

6035

#6035

GEOLOGICAL-MINERALOGICAL

ASSESSMENT REPORT

Describing Diamond Drill Holes #1 and #3

on the

East Group of Mineral Claims

(Big Kidd Breccia Property)

(to Apply to Broach #3, #4 and Halo FR)

situated at Aspen Grove

HALO, TOUCH

Nicola Mining Division

92H/15E

NTS 92/15E

Latitude 49°55'N; Longitude 120°35'W

British Columbia

on behalf of

DAVID MINERALS LTD.

MERRITT, B. C.

of

Vancouver, B.C.

OCT 2 1976

MINING RECORDER

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
No. 6035

Report by:

D. R. Cochrane, P.Eng.,
Oct. 16, 1976,
Delta, B.C.



Cochrane Consultants Limited
4882 Delta St., Delta, B.C. V4K 2T8 946-9221
Geotechnical Consulting / Exploration Services

geology
geophysics
geochemistry

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1. INTRODUCTION

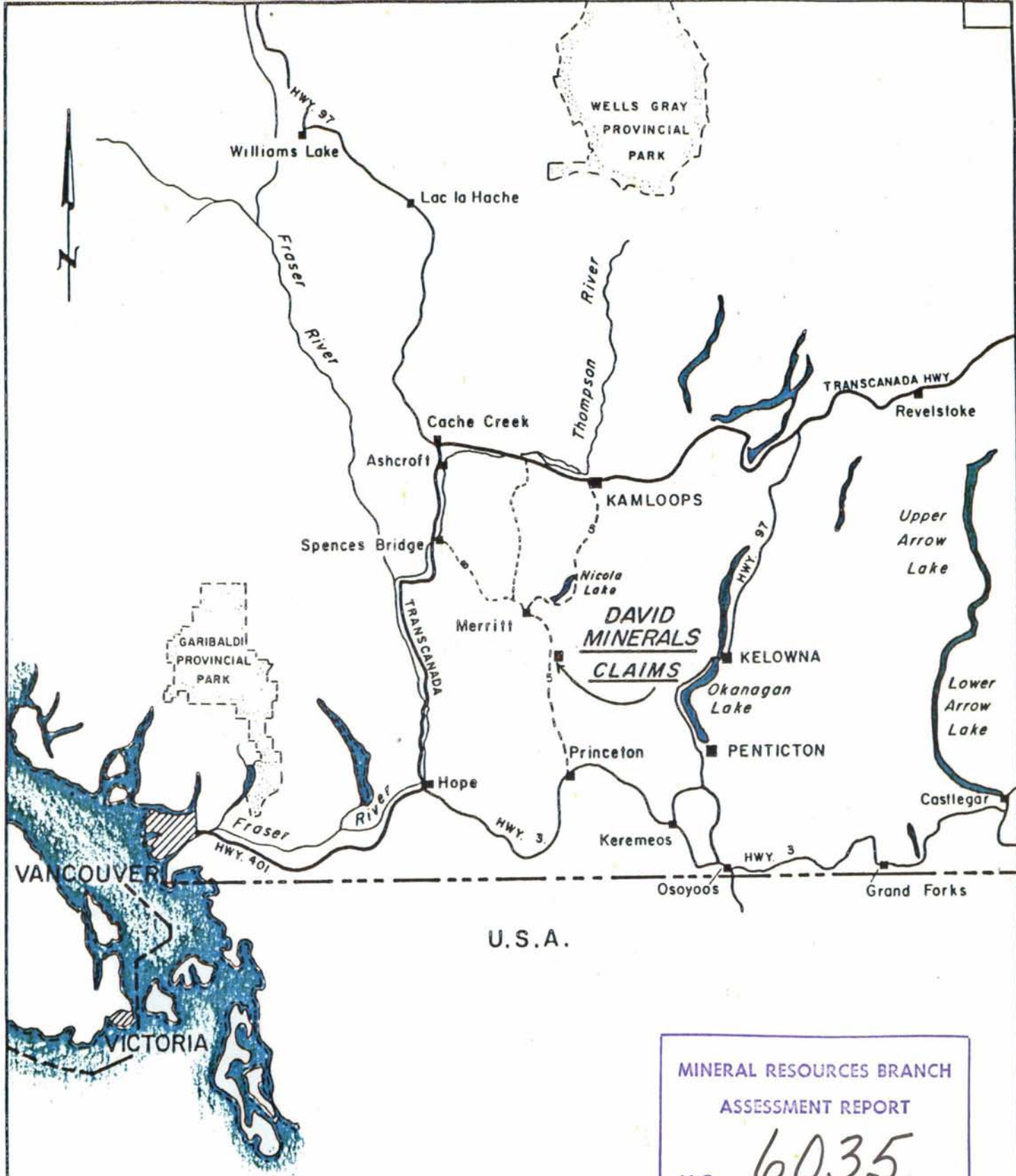
In July, 1976, Scope Exploration Services Ltd. of Merritt, B.C. completed three (3) short EX diamond drill holes on the Aspen Grove copper/silver property of David Minerals Ltd. The details of the drilling were described in an Assessment Report by the author dated August 9, 1976. The August 9 report only briefly described the core and mineralization, and consequently in September, 1976, nine (9) sections of core were cut and polished from D.H. 76-1 and seven (7) sections cut from D. H. 76-3. This report describes the results of the microscopic examinations of these sections.

2. BACKGROUND

The Halo and East groups of mineral claims are situated in the Thompson plateau subdivision of the British Columbian interior plateau physiographic system. This is, in general, a gently rolling upland of low to moderate relief. The local Aspen Grove area lies within the Fairweather Hills, with elevations normally between 1000 and 1200 meters. (A.S.L.) It is a rather impressive area of British Columbia, with a moderately dry climate, with open fields, bushy draws, and the landscape dotted with lakes.

The general region is underlain dominantly by Upper Triassic Nicola group intermediate volcanics with minor amounts of sediments. This complex is intruded by stocks, plugs, and dikes of Jurassic Coast Acidic intrusions. A series of north striking faults trend





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DAVID MINERALS LTD.
ASPEN GROVE AREA NICOLA MINING DIVISION, B.C.

LOCATION MAP

DRAWN R.K., B.C.	DATED AUG / '76	FIG. NO. 1
CHECKED / /	JOB NO. 1064 - CC	

across the area under discussion. One of the focal points of economic interest in the area is the Big Kidd Breccia, consisting of altered brecciated diorite, with silicification, carbonatization and sporadic sections mineralized with magnetite, pyrite, chalcopyrite, bornite, and chalcocite. A number of pits, adits, trenches and drill holes have partially explored the breccia and work on the property has been conducted for many decades and by several different companies.

Previous work on the claims has included limited diamond drilling, test pitting, driving of prospect tunnels, and in 1968, a magnetometer and induced polarization survey. In 1972 the property was optioned to Amax Exploration who conducted geological and geochemical surveys. Most recently (1976) work has consisted of additional IP surveying and the drilling of three (3) short EX diamond drill holes.

3. CLAIMS INFORMATION

The Aspen Grove property of David Minerals consists of a group of surveyed and unsurveyed claims and fractions, collectively called the Big Kidd property. It is comprised of the following:

<u>Claim Name</u>	<u>Record Number</u>	<u>Expiry Date</u>
Touch 1 - 16 (incl.)	29446 - 61	April 12 (17), 1977
Top 1 & 2	20910 - 11	June 10, 1977
Magnus 1 - 6 (incl.)	24813 - 18	July 20, 1977
Vin #1 Fraction	49587	June 18, 1977
Ram A - 1	24819	July 20, 1977
Ram 1 - 6 (incl.)	24820 - 25	July 20, 1977
Halo 1 - 4 (incl.)	1363 - 6	July 28, 1977
Halo 5 & 6	1367 & 8	July 28, 1977

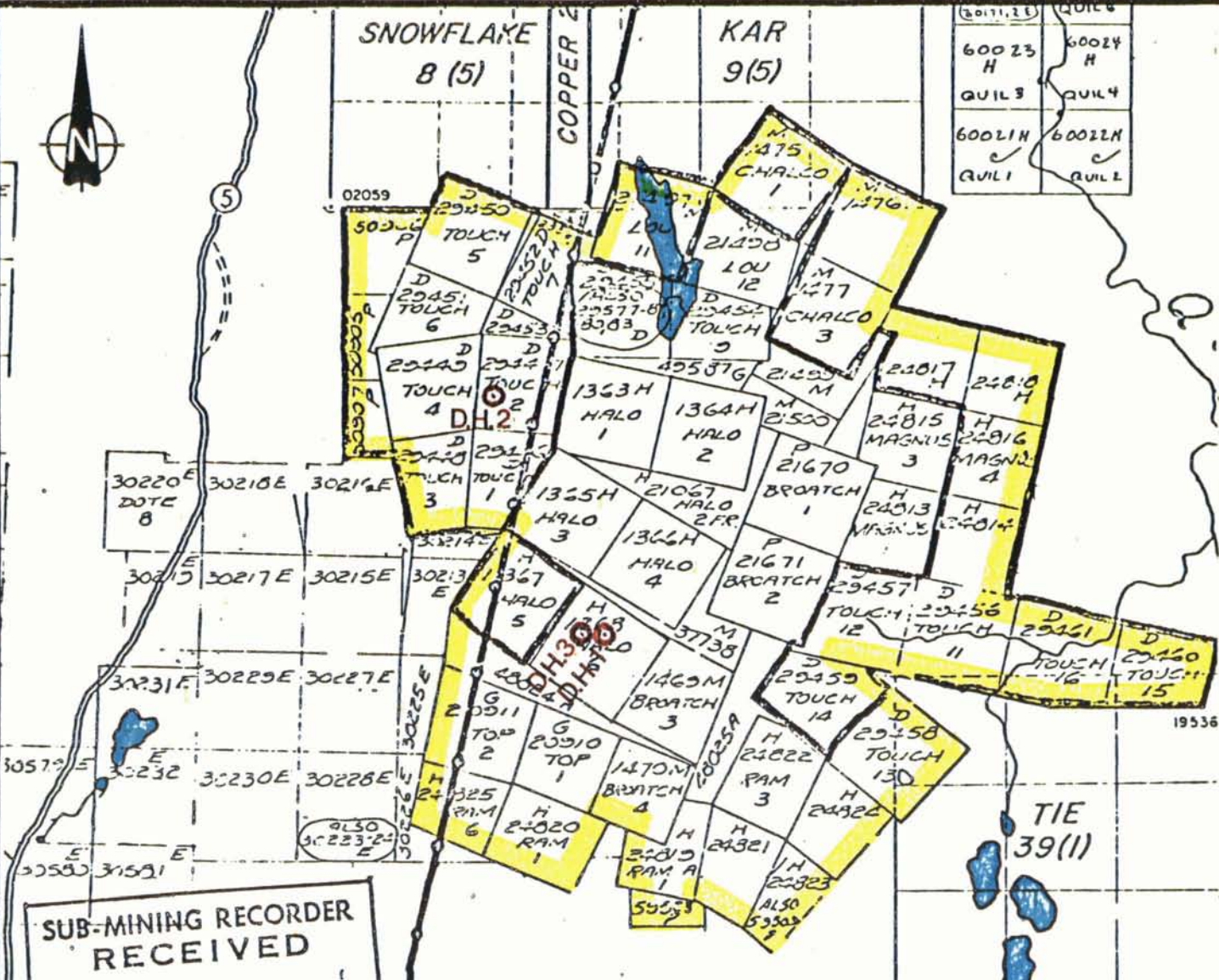




SNOWFLAKE
8 (5)

KAR
9(5)

60023 H	60024 H
QUIL3	QUIL4
60021H	60022H
QUIL1	QUIL2



SUB-MINING RECORDER RECEIVED

APR 12 1976

M.R.# 102092E 11100

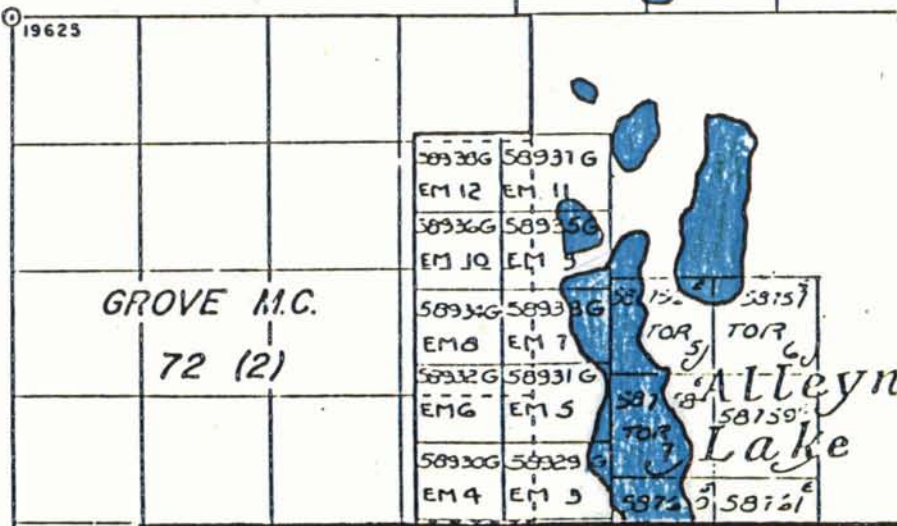
VANCOUVER, B. C.

Aspen Grove store 2mi

Kidd L.

DAGO

82(3)



DAVID MINERALS LTD.

ASPEN GROVE AREA NICOLA MINING DIVISION - B. C.

MINERAL RESOURCES BRANCH 1 MILE

SCALE - MILES

ASSESSMENT REPORT

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○ DRILL HOLE LOCATIONS & CLAIMS MAP (MINERAL MAP 92H/15E)

DRAWN: B. C.	DATE: AUG / '76	FIG. NO. 2
CHECKED: <i>rne</i>	JOB NO: 1064 - CC	

<u>Claim Name</u>	<u>Record Number</u>	<u>Expiry Date</u>
Halo 2 Fraction	21067	July 12, 1977
Broach 1 & 2	21670 - 71	Nov. 21, 1976
Broach 3 & 4	1469 - 70	Sept. 22, 1976
Chalco 1 - 3 (incl.)	1475 - 77	Sept. 22, 1977
Halo Fraction	37738	Sept. 26, 1976
Lou 11 to 14	21497 - 500	Sept. 27, 1977
SNO 1 & 2 Fraction	48024 - 25	Jan. 26, 1977
EX 1, 1 Fraction, 2	50905, 06, 07	Nov. 18, 1977
<u>Total 56</u>		

The claims are held by David Minerals Ltd. of Vancouver,
B.C. (FML #143181)

4. METHODS

A Boyles X-Ray type drill, equipped with EXT rods and bits was mobilized early in July, 1976 to a site previously flagged by the author. Holes #1 and #3 were located on the Halo #6 claim. Hole #1 was drilled west at an angle of -45 and to a depth of 18.3 meters. Hole #3 was drilled vertically and was collared 30 meters west and in line with Hole #1.

Hole #2 was vertical and collared in a trench on the Touch #2 claim. Drilling was completed on the 20th of July, 1976.

The core was shipped to Delta, B.C. on the 23rd of July where it was inspected by the author in early August, 1976. (see report dated August 9, 1976).

Subsequently, in September, sections of core were cut by a diamond saw and polished by Cochrane Consultants and examined by the author under a binocular (Nikon Zoon microscope). A section of near the center of Hole 76-1 was crushed with a mortar and pestle and panned, and the heavy mineral concentrate examined under the microscope.



5. DESCRIPTION OF DRILL CORE

Drill Holes #1 and #3 drilled at the south end of the Kidd Breccia Pipe, cored hybrid type rocks perhaps best described as medium grained andesite or microdiorite which is brecciated in certain sections, and often quite altered. The rock is a green, grey colour and relic porphyritic mafic minerals are occasionally present and up to 2.5 mm long by 1 mm wide. K spar crystals are occasionally much larger, and in one case up to 2 cm in diameter. Plagioclase feldspars, quartz, epidote, chlorite, calcite and magnetite make up the largest percentage of the groundmass. The host rock is sometimes well brecciated and fractured and shows broken feldspar crystals, and quartz-carbonate microveinlets cutting all above described rock forming minerals.

The first few meters of both holes are weathered with considerable limonite, hematite and traces of malachite.

A sub adamanite white to pinkish, fine grained unidentified alteration mineral is often disseminated about high sulphide sections of the core.

6. MINERALOGY

Nine (9) polish sections from Drill Hole #76-1 and seven (7) polished sections from Drill Hole 76-3 were examined under the microscope by the author. A description of each section is appended. The following summarized the findings.



6 (a) Principal Opaque Minerals

Most of the polished sections examined contained a simple suite of opaque minerals consisting of magnetite, pyrite and chalcopyrite. Traces of bornite were found in Section 76-1 (7.6 meters) and other minerals included secondary products such limonite, earthy hematite, cuprite (?) and malchite.

Magnetite is by far the most abundant opaque mineral and makes up from a few to approximately 10 percent of the percentage composition of the sections (as estimated by use of a hand magnet and visual estimation charts).

Pyrite is the next most abundant mineral and is usually present in the 1 to 5 percent rage. Chalcopyrite normally makes up less than 1 percent of the polished section surface (as estimated by use of Visual Estimation Charts).

Secondary minerals are normally present only in the upper few meters of the core, however one section from Hole 76-3 at a depth of 14.6 meters contained 1 percent limonite and traces of hematite and malachite.

6 (b) Textures

The magnetite is normally fine grained; appears as an integral part of the ground mass, and as a normal rock forming mineral. Section 76-3 (12.6 meters) however shows a crude banding to the magnetite/gangue minerals, and a narrow band of almost massive magnetite is parallel to mafic-felsic gangue mineral banding.



Pyrite normally occurs as discrete disseminated (cubic habit) grains up to 5 mm in diameter. The pyrite also occurs along fractures associated with chalcopyrite and gangue minerals including pink K spar, quartz and carbonate.

Chalcopyrite occurs in several modes including

- (a) finely disseminated in the groundmass usually associated with magnetite (see sketch of section 76-1; 14.9 m)
- (b) intimately associated with pyrite (see sketch of section 76-1; 10.6 meters), and
- (c) pseudomorphous after pyrite as shown in the sketch of section 76-1 at 15.5 meters.

This suggests a fairly complex history for chalcopyrite.

The original host rock is believed to have been copper rich since chalcopyrite sometimes occurs in fine grained disseminations apparently as part of the groundmass and as a normal rock forming mineral.

A later fracturing of the rock and introduction of pyrite/chalcopyrite is indicated by the chalcopyrite-pyrite intergrowths especially prevalent along fractures. Finally, presumably late in the process, some of the pyrite was wholly or partly replaced by chalcopyrite since chalcopyrite pseudomorphous after (cubic) pyrite is observable.



7. CONCLUSIONS

The altered microdiorite or medium grained andesite encountered in drill holes 76-1 and 76-3 is quite magnetite rich, and magnetite is an important rock forming mineral which makes up to 10 percent of the percentage composition of the rock. The host rock also appears to be (originally) copper rich and chalcopyrite sometimes occurs in fine disseminations as a typical accessory mineral. The (original) grade is certainly much below economic considerations, however certain sections have been fractured and pyrite/chalcopyrite and chalcopyrite replacing pyrite is evident and, of course, considerably augments the copper content of the zone.

It appears as if significant amounts of copper may be found in areas of high fracturing (and subsequent mineralization) which commonly occur near contacts, along zones of primary banding or within highly siliceous zones (which tend to crackle rather than shear and slip).

A detailed re-mapping of the Kidd Breccia and environs is warranted. Considerable detail should be devoted to fracture density (degree of brecciation), alteration, and to the position and attitude of contacts.

Respectfully submitted,



D. R. Cochrane, P.Eng.,
October 15, 1976,
Delta, B.C.



APPENDIX III

Assessment Work Details

Project: David Minerals/Big Kidd Breccia Project

Location: 2 miles north of the Aspen Grove Store, Nicola M.D.
N.T.S. 92 H/15 E

Work Done: Polished section work on Drill Holes 76-1 and 76-3

Dates: Microscope Examination, September, 1976

Report Preparation, October, 1976

Personnel: D. R. Cochrane, P.Eng. - Microscope and Report

W. Cochrane - typing

G. Wilson - sketches

Costs:

Total 16 polished sections @ \$35.00 each (including cutting and polishing)	= \$ 560.00
Sketches of Sections (4 sketches @ \$10/ea.)	40.00
Report Preparation/Reproduction	_____
Total	\$ +600.00



D. R. Cochrane, P.Eng.
October 15, 1976.

Assessment Work Cost Appropriation:

To apply for 1 year to Broach 3 \$ 4 and Halo Fraction
(part of the East Group on which holes 76-1 & 76-3 were
drilled)

3 claims @ \$200.00 each = \$600.00



petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 1.8 m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	~ 10
2 PYRITE	3
3 CHALCOPHYRITE	1/2
4 LIMONITE	TR
5 CUPRITE	TR
6	
7	
8	
9	
10	

textures : FINE GRAINED CUBEDRAL MAGNETITE DISSEMINATED IN GROUNDMASS
SUBHEDRAL PYRITE UP TO 1.5 MM. DIA. SCATTERED AND ALONG FRACTURES,
IN ASSOCIATION WITH FINE BLEBS OF CHALCOPHYRITE

alteration : CARBONATE, EPIDOTE SERRICITE CHLORITE

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 2.6 m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

<i>principal minerals</i>	<i>abundance (%)</i>
1 MAGNETITE	~ 5
2 PYRITE	3
3 CHALCOPYRITE	< 1
4	
5	
6	
7	
8	
9	
10	

textures : FINE DISSEMINATED MAGNETITE IN GROUND MASS
DISSEMINATED CUBIC HABIT PYRITE (WITH SOME MINOR ADMIXED
CHALCOPYRITE) UP TO 2 MM. x 2 MM.

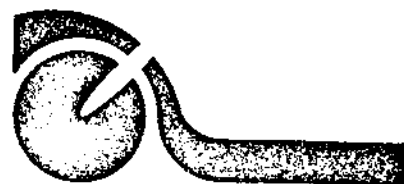
alteration : SAME AS 76-1 1.8 m

origin : _____

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76- 1 : 7.6m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 Pyrite	3
2 Magnetite	3
3 Chalcopyrite	1
4 Bornite (?)	TR
5 Limonite	
6	
7	
8	
9	
10	

textures : FINE TARNISHED SOFT BROWN/BLACK MINERAL
TENTATIVELY IDENTIFIED AS BORNITE

alteration : SAME

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 9.2m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

<i>principal minerals</i>	<i>abundance (%)</i>
1 MAGNETITE	5
2 LIMONITE	2
3 HEMATITE	1
4 PYRITE	TR
5	
6	
7	
8	
9	
10	

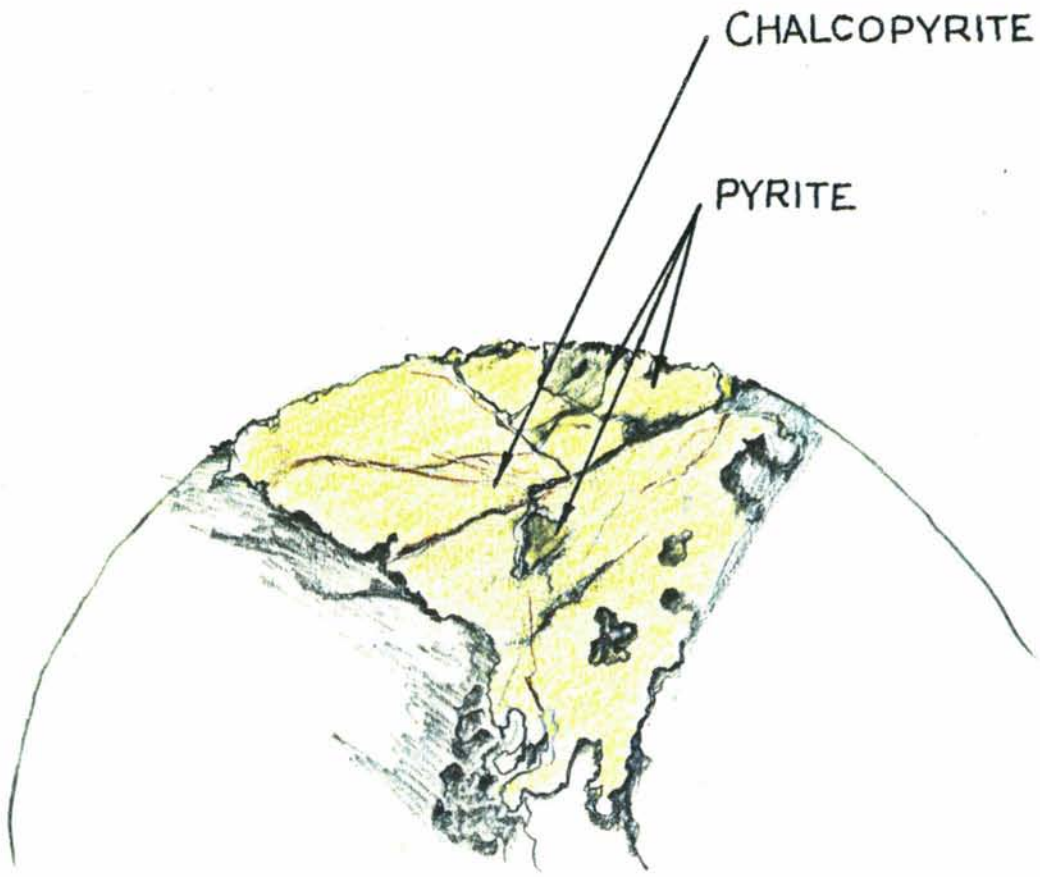
textures : LIMONITE - HEMATITE IN HEALED FRACTURES
ACROSS SECTION

alteration : _____

origin : _____

classification : Altered andesite/microdiorite

examined by : D.R.C.



D.H. 76-1 10.6 METERS (TIMES 20)

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Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 10.6m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°. D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	4
2 CHALCOPYRITE	2
3 PYRITE	TR
4 LIMONITE	TR
5	
6	
7	
8	
9	
10	

textures : FINELY DISSEMINATED MAGNETITE IN RELIC
PYROXENE CRYSTAL 2.5MM X 1MM. LARGE BLOC OF
CHALCOPYRITE 6MM X 4MM WITH CUBIC HABIT PYRITE
(SEE SKETCH).

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 11.7 m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 PYRITE	3
2 MAGNETITE	2
3 LIMONITE	TR
4	
5	
6	
7	
8	
9	
10	

textures : DISSEMINATED CUBIC HABIT PYRITE - LIMONITE
FRACTURES.

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 150m collected by : Scope Exploration/D.R.C.
 location : David Minerals: Big Kidd Breccia Project: Aspen Grove
 field relations : South end of Kidd Breccia on Halo #6 claim
 hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
 microdiorite
 remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
 west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	8
2 PYRITE	1
3 CHALCOPYRITE	1
4	
5	
6	
7	
8	
9	
10	

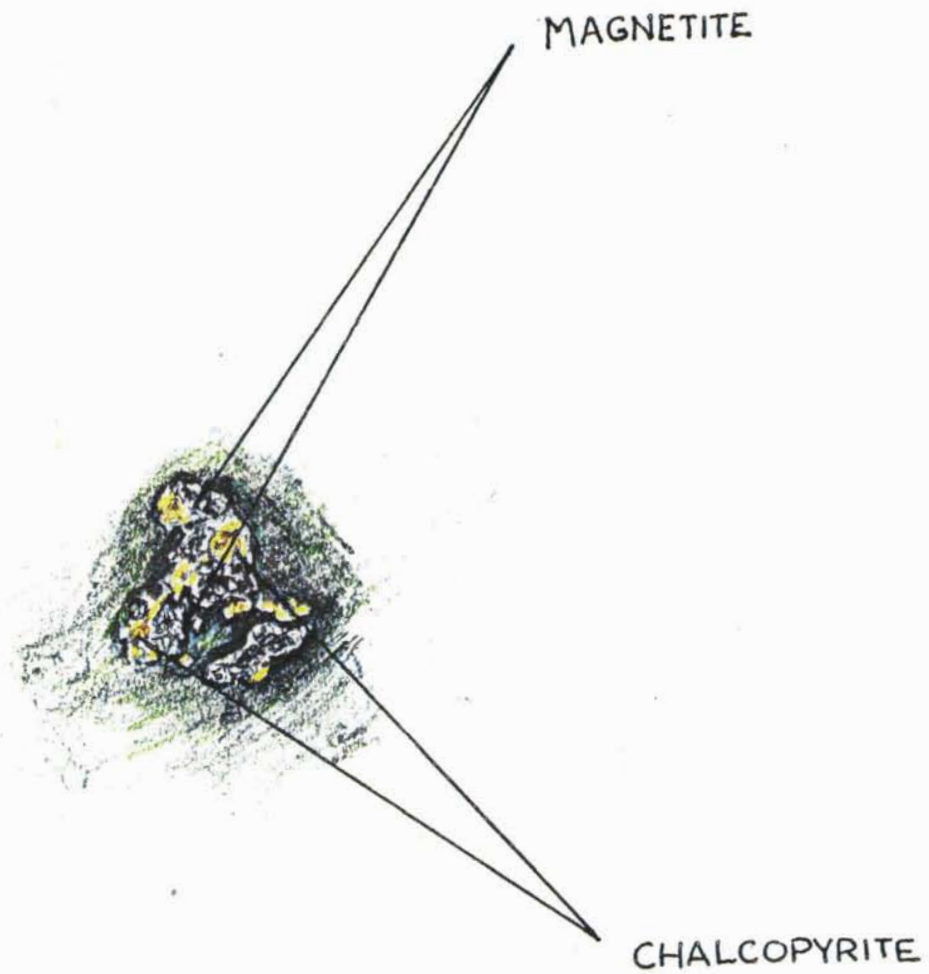
textures : EXTREMELY FINE DISSEMINATED CHALCOPYRITE
 APPEARS AS INTEGRAL PART OF GROUND MASS

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.



D.H. 76-1 14.9 METERS (TIMES 40)

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Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 14.9m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

<i>principal minerals</i>	<i>abundance (%)</i>
1 MAGNETITE	10
2 PYRITE	1
3 CHALCOPYRITE	<1
4	
5	
6	
7	
8	
9	
10	

textures : FINE GRAINED MAGNETITE/CHALCOPYRITE
INTERGROWTHS AND COARSE DISSEMINATION (CUBIC)
PYRITE (SEE SKETCH)

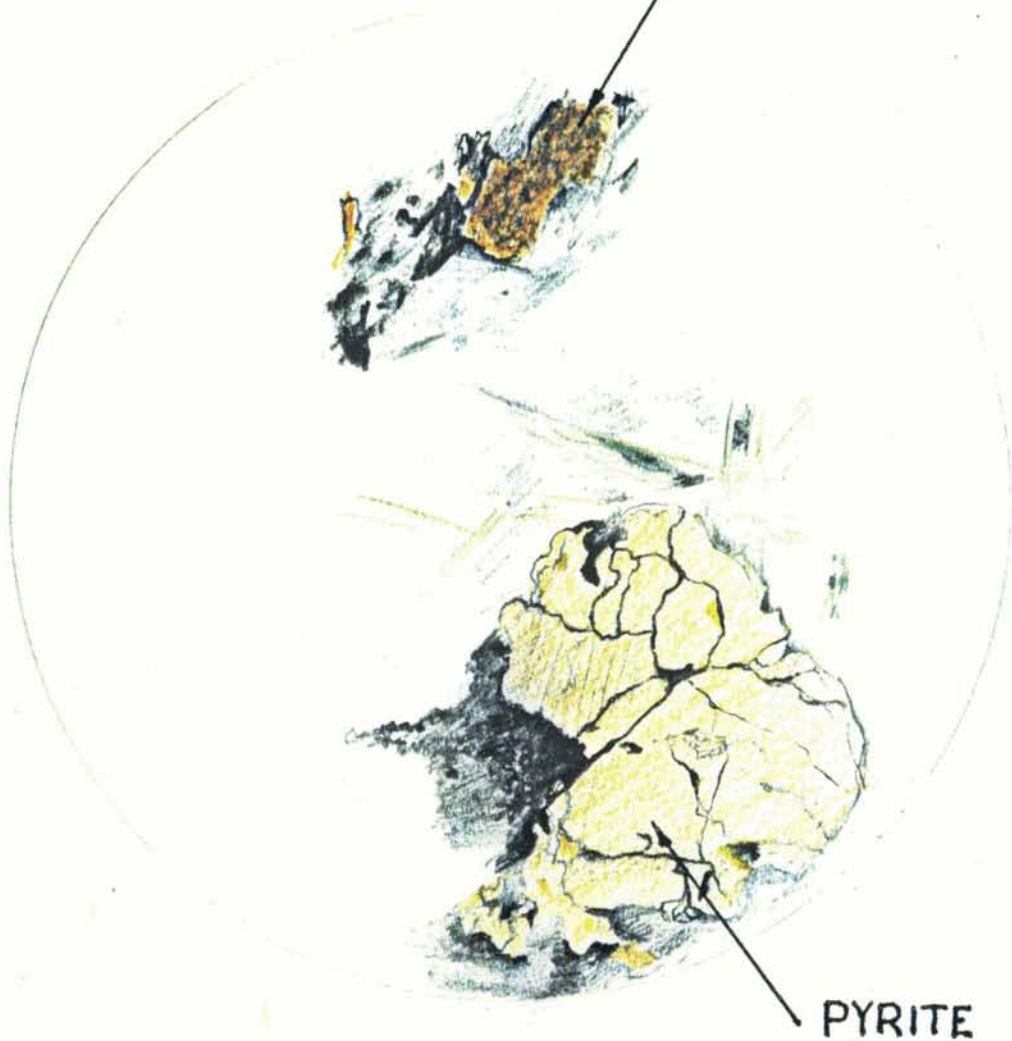
alteration : _____

origin : _____

classification : Altered andesite/microdiorite

examined by : D.R.C.

CHALCOPYRITE
PSEUDOMORPHOUS
AFTER (CUBIC) PYRITE



PYRITE

D.H. 76-1 15.5 METERS (TIMES 25)

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Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-1 : 15.5m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 PYRITE	5
2 MAGNETITE	5
3 CHALCOPYRITE	1
4	
5	
6	
7	
8	
9	
10	

textures : LARGE CRYSTAL OF PYRITE 4MM DIA,
INTERGROWTHS OF PYRITE AND CHALCOPYRITE
CHALCOPYRITE PSEUDOMORPHOUS AFTER PYRITE (SEE SKETCH)

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-3 : 6.4 m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	4
2 PYRITE	4
3 CHALCOPYRITE	1
4	
5	
6	
7	
8	
9	
10	

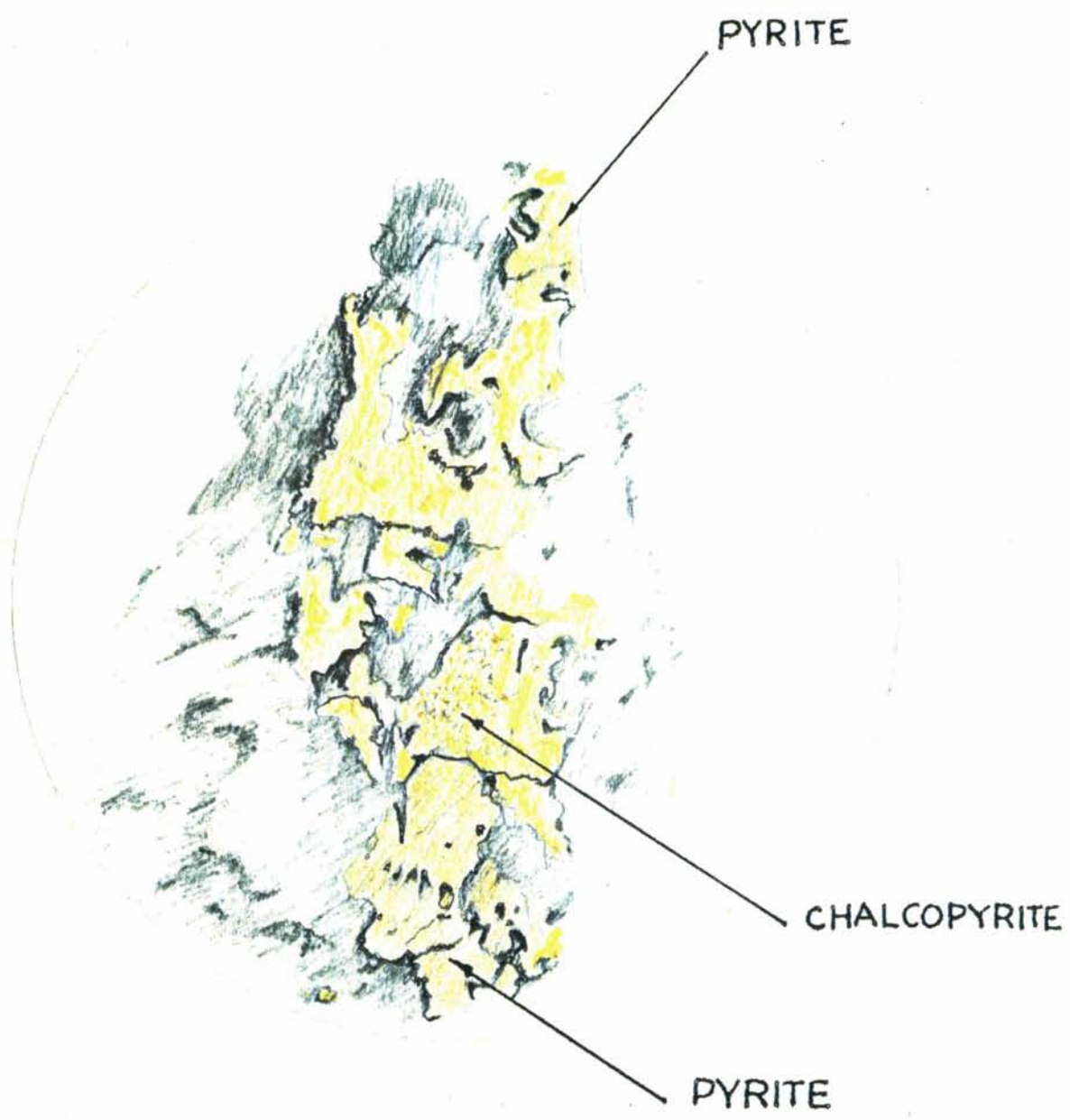
textures : CHALCO SPLATTERED THROUGH ROCK AS FINE
DISSEMINATIONS ESPECIALLY ASSOCIATED WITH MAGNETITE
AND ALTERED MAFIC MINERALS.

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.



D.H. 76-3 9.0 METERS (TIMES 30)

MINERAL RESOURCES BRANCH
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NO. 6035

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-3 : 9.0m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

<i>principal minerals</i>	<i>abundance (%)</i>
1 PYRITE	4
2 MAGNETITE	3
3 CHALCOPYRITE	2
4	
5	
6	
7	
8	
9	
10	

textures : LARGE BLEB OF PYRITE/CHALCOPYRITE 7MM LONG X
2MM WIDE SHOWING CHALCOPYRITE PSEUDO AFTER
CUBIC HABIT PYRITE (SEE SCETCH)

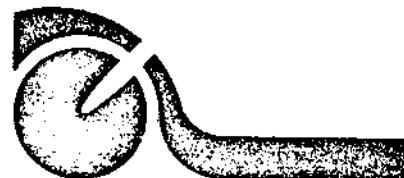
alteration : _____

origin : _____

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-¹⁰⁴3 : ϕ m collected by : Scope Exploration/D.R.C.
 location : David Minerals: Big Kidd Breccia Project: Aspen Grove
 field relations : South end of Kidd Breccia on Halo #6 claim
 hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
 microdiorite
 remarks : Drill Hole 76-1 drilled west @ -45° ; D.H. 76-3 located 100'
 west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	3
2 PYRITE	2
3 CHALCOPYRITE	<1
4	
5	
6	
7	
8	
9	
10	

textures : LARGE PYRITE CRYSTALS 2MM X 2MM WITH
 FINELY DISSEMINATED MAGNETITE & CHALCOPYRITE
 AS INTEGRAL PART OF GROUND MASS.

alteration : _____

origin : _____

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-3 : 126 m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	+10
2 LIMONITE	TR
3	
4	
5	
6	
7	
8	
9	
10	

textures : CRUDE BANDING WITH ALMOST MASSIVE BAND
OF MAGNETITE PARALLEL - CALCITE MICROVEINLET CUTS
ORIGINAL (?) BANDING

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-3 : 14.6m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	2
2 LIMONITE	1
3 HEMATITE	TR
4 PYRITE	TR
5 MALACHITE	TR
6	
7	
8	
9	
10	

textures : WEATHERED SECTION : RUSTY - POUROUS , A LOT
OF SECONDARY MINERALS.

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-3 : 17.0m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°; D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	2
2 PYRITE	1
3 CHALCOPYRITE	TR
4 LIMONITE	TR
5	
6	
7	
8	
9	
10	

textures : PYRITE/CHALCOPYRITE ESPECIALLY PREVALENT
ALONG HEALED FRACTURES - CHALCO.PSEUDO AFTER
CUBIC PYRITE.

alteration : _____

origin : _____

classification : Altered andesite/microdiorite

examined by : D.R.C.

petrographic / ore microscopy report



Cochrane Consultants Limited
4882 Delta Street — Delta B.C.

sample # : D.H. 76-3 : 15.2m collected by : Scope Exploration/D.R.C.

location : David Minerals: Big Kidd Breccia Project: Aspen Grove

field relations : South end of Kidd Breccia on Halo #6 claim

hand specimen desc. : Fine to medium grained grey-greenish altered andesite/
microdiorite

remarks : Drill Hole 76-1 drilled west @ -45°: D.H. 76-3 located 100'
west of collar of 76-1 and drilled vertical.

principal minerals	abundance (%)
1 MAGNETITE	5
2 LIMONITE	TR
3 MALACHITE	TR
4	
5	
6	
7	
8	
9	
10	

textures : MAGNETITE FINELY DISSEMINATED THROUGH SECTION
AS INTEGRAL ROCK MINERAL LIMONITIC LATE FRACTURE
WITH MALACHITE CUTS ALL MINERALS.

alteration :

origin :

classification : Altered andesite/microdiorite

examined by : D.R.C.