Cascadia International Ventures Inc.

1997 DRILLING PROGRAM ON THE FAWN 1-7 CLAIMS

Volume I - Text

Located on the Nechako Plateau
Omineca Mining Division
NTS 93F/3E
53° 12' North Latitude
125° 08' West Longitude

-prepared for-

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October, 1997

SUMMARY

The Fawn property covers 140 contiguous claim units (3500 hectares) in the Nechako Plateau of central British Columbia, approximately 120 kilometres southwest of Vanderhoof and 180 kilometres west of Quesnel. The Kluskus-Malaput Forest Road passes through the claim group, along with a network of tributary roads and logging spurs. Topography is moderate and lower elevations have been partially clear-cut.

BP Minerals Limited carried out extensive soil sampling over the Fawn property in 1982 and 1983, identifying a northwesterly trend of coincident lead+zinc+silver±arsenic anomalies over 700 x 3,000 metres. Prospecting, mapping and geophysical surveying by Western Keltic Mines Inc. in 1991 showed these anomalies to correspond to four east-west VLF-EM conductors with a minimum aggregate length of 6,500 metres. A hand trench over one of these conductors (V2) revealed sericite-clay alteration with epithermal quartz stockwork which averaged 0.6 g/tonne Au across a true width of 8.2 metres in the Giver Zone. In 1994, Western Keltic drilled 617 metres in widely spaced reconnaissance holes, returning intersections of 8.1 metres of 2.0 g/tonne Au and 4.4 metres of 1.5 g/tonne Au from the Giver Zone. In March and April of 1997, Cascadia International Ventures Inc. drilled a further 620 metres on the Fawn property, consisting of five 150-metre stepouts along the V2 conductor from the Giver Zone and two holes on the Giver Splay, a weakly conductive cross-structure nearby.

The Fawn property is underlain by a sequence of Early to Middle Jurassic Hazelton Group rhyolitic and andesitic volcanics with lesser epiclastic sediments. These have been intruded by a Late Cretaceous diorite and by later felsic dykes. Drilling shows that VLF-EM conductor V2 is caused by a major, steeply north-dipping, fault zone enveloped by 15-30 metres of intense clay-sericite alteration with local chalcedonic quartz stockwork and chalcedony breccias. Sulphide content is variable, consisting mainly of pyrite, lesser arsenopyrite and minor chalcopyrite, sphalerite and galena. Cretaceous or Tertiary quartz-feldspar rhyolite dykes are locally emplaced along the V2 fault zone, as well as faulted and brecciated by it. There is evidence of repeated faulting, dyke emplacement and hydrothermal activity along the fault zones, with several generations of veining and brecciation.

To date, 900 metres of conductor V2 have been tested by drilling, with each of the eight holes intersecting wide clay-sericite alteration zones, variable amounts of quartz veining and gold values in the range of 100-3000 ppb. The best 1997 hole intersected 10.2 metres grading 1.08 g/tonne Au. The remaining 1000+ metres of conductor V2 have not been drilled, nor have the 4,600+ metres along three parallel conductors, although each is accompanied by soil geochemical anomalies of similar intensity to that associated with V2. In addition, it is possible that the fault/alteration zones may be more focused, with narrower widths of better mineralization, where they pass eastwards out of andesitic lapilli tuffs into rhyolite. An analogue for this would be the Tommy epithermal deposit, 17 kilometres to the south, where similar Hazelton Group rhyolites host 478,000 tonnes grading 8.7 g/tonne Au across an average width of four metres.

1997 DRILLING PROGRAM ON THE FAWN 1-7 CLAIMS

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1.0 INTRODUCTION

The Fawn property is located on the Nechako Plateau, approximately 120 kilometres southwest of Vanderhoof in central British Columbia. It is underlain by felsic and andesitic Hazelton Group volcano-sedimentary rocks cut by the Late Cretaceous Capoose Lake Batholith and by feeder dykes to the Eocene Ootsa Lake Group felsic to andesitic volcanics. BP Minerals Ltd. carried out geological mapping, soil sampling and backhoe trenching on the property from 1981 to 1984, defining coincident zinc-silver-lead soil anomalies over an area of 3000 metres by 700 metres. It was restaked as the Fawn property and Western Keltic Mines Inc. conducted mapping, prospecting, soil sampling, geophysical surveys and 617 metres of diamond drilling from 1991 through 1994. Four open-ended, subparallel VLF-EM conductors, with a total strike length of 6,400 metres, were defined within the soil geochemical anomaly. Drilling on one of these, the Giver Zone, showed it to correspond to epithermal chalcedony stockwork/breccia within a 18-32 metre wide zone sericite-clay alteration; the best intersection assayed 2.0 g/t Au across 8.1 metres.

A 620 metre diamond drilling program was carried out in March and April of 1997, to intersect the Giver Zone conductor along strike from the 1994 drilling and to test one of its splays which had yielded auriferous subcrop mineralization. Equity Engineering Ltd. conducted this drill program for Cascadia International Ventures Inc. and has been retained to report on the fieldwork. Limited mapping and soil sampling were carried out in conjunction with the drillsite reclamation in September 1997 and will be reported separately.

2.0 LIST OF CLAIMS

The Fawn property comprises seven contiguous claims totalling 140 claim units (3,500 hectares), located in the Omineca Mining Division (Figure 2). Records of the British Columbia Energy and Minerals Division indicate that the Fawn 1-7 claims are owned by Western Keltic Mines Inc.. Separate documents indicate that Cascadia International Ventures Inc. has an option to earn an interest in them. Claim data for the Fawn property is summarized in Table 2.0.1.

Table 2.0.1
CLAIM DATA

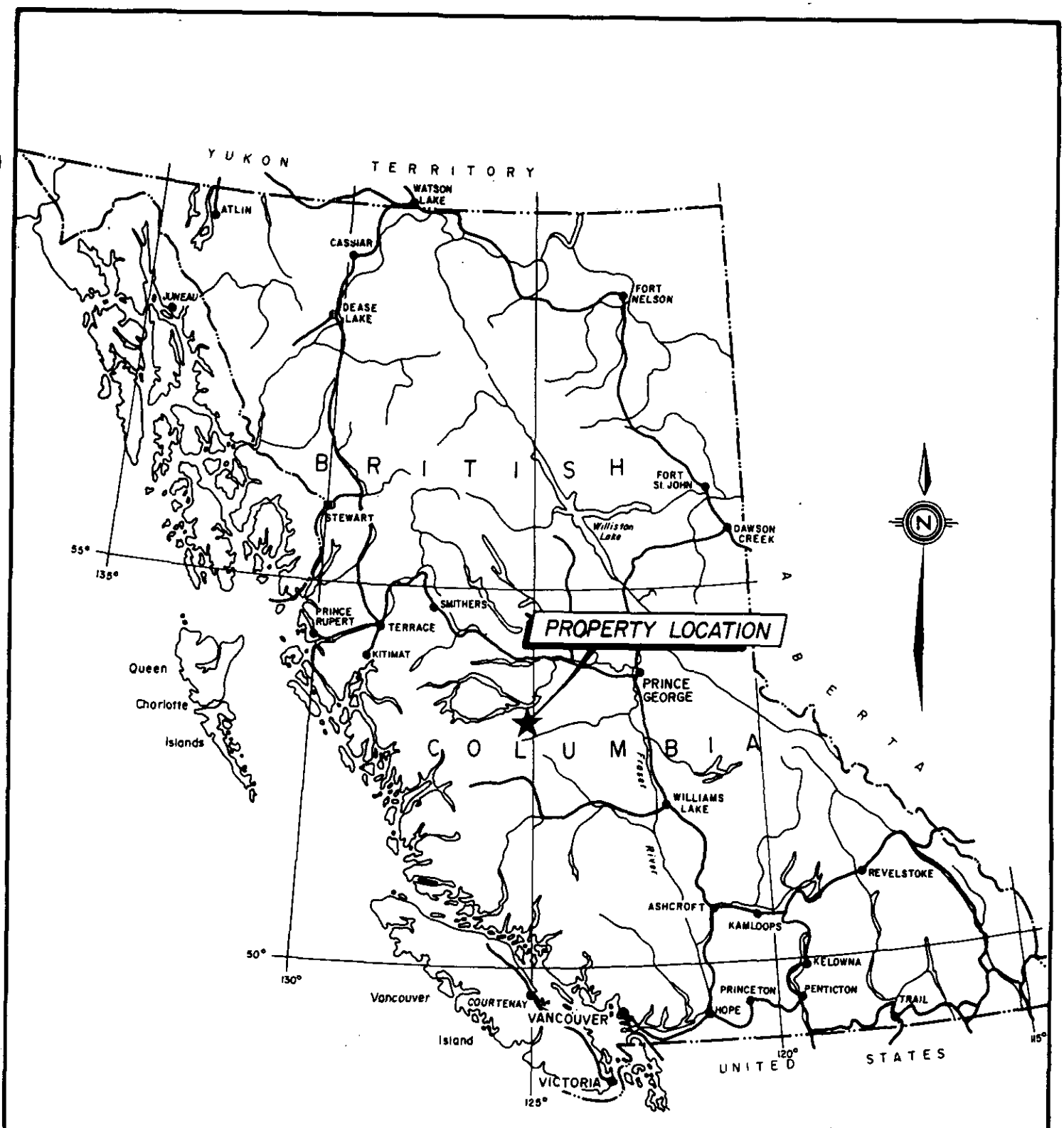
Claim Name	Mineral Tenure No.	No. of Units	Record Date	Expiry Year
Fawn 1	243221	20	March 15, 1991	2007*
Fawn 2	301430	20	June 26, 1991	2007*
Fawn 3	301431	20	June 26, 1991	2007*
Fawn 4	301432	20	June 26, 1991	2004
Fawn 5	305450	20	October 13, 1991	2007*
Fawn 6	322193	20	October 28, 1993	2007*
Fawn 7	323869	20	February 26, 1994	2004
		140		

* Subject to approval of assessment work covered by this report.

The position of the legal corner posts for the Fawn 1-5 claims has been verified by the authors.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Fawn property is situated on the Nechako Plateau of central British Columbia, approximately 120 kilometres southwest of Vanderhoof and 180 kilometres west of Quesnel (Figure 1). The claims are



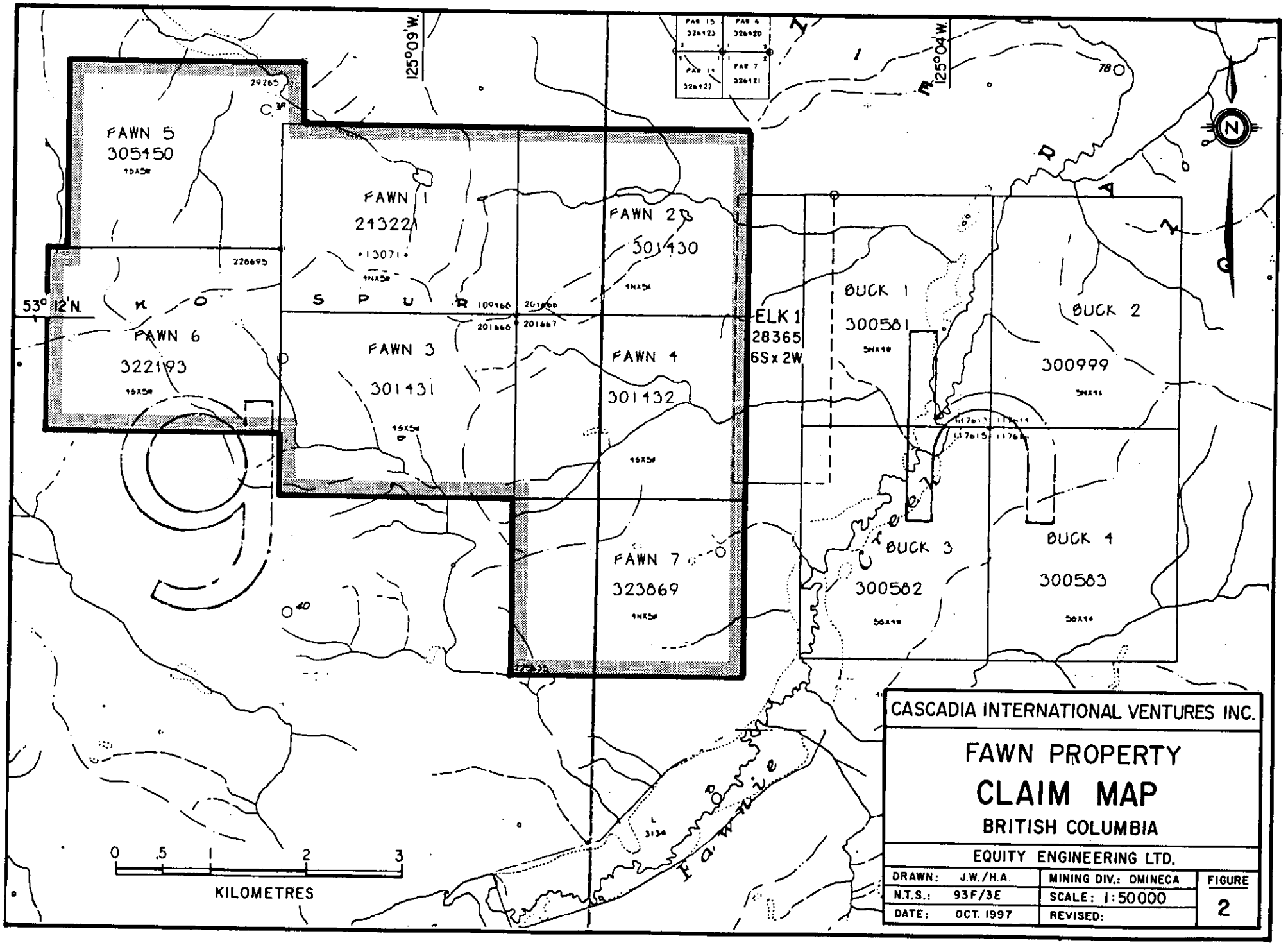
CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY LOCATION MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W./H.A.	MINING DIV. OMINECA	FIGURE
N.T.S.: 93F/3E	SCALE: As Shown	1
DATE: OCT. 1997	REVISED:	


125°09'W.
125°04'W.
53° 12'N.
FAWN 5
305450
FAWN 1
243221
FAWN 2
301430
FAWN 6
322193
FAWN 3
301431
FAWN 4
301432
FAWN 7
323869
ELK 1
28365
6S x 2W
BUCK 1
300581
BUCK 2
300999
BUCK 3
300582
BUCK 4
300583
Fawnie
0 .5 1 2 3
KILOMETRES
CASCADIA INTERNATIONAL VENTURES INC.
FAWN PROPERTY
CLAIM MAP
BRITISH COLUMBIA
EQUITY ENGINEERING LTD.
DRAWN: J.W./H.A.
MINING DIV.: OMINECA
FIGURE
N.T.S.: 93F/3E
SCALE: 1:50000
2
DATE: OCT. 1997
REVISED:

located within the Omineca Mining Division, centred at 53° 12' north latitude and 125° 08' west longitude.

The property is accessed by a major logging road, the Kluskus-Malaput Forest Road, which reaches the north side of the property 146 kilometres south of the Plateau Forest Products mill at Engen on Highway 16. The Kluskus-Malaput road angles through the southeastern corner of the property, while a major branch, the Van Tine Forest Road, provides good access through its northern part. The M-4000 Forest Road, another major branch, leaves the Kluskus-Malaput south of the property and angles northwesterly through the southwestern corner of the Fawn 6 claim. Spur roads provide four-wheel drive access throughout each of several recent clear-cuts on the property. The Capoose access road, on the north side of Van Tine Creek, is also accessible by four-wheel drive vehicle but has not been maintained for several years.

The claims cover the eastern portion of Entiako Spur, a range of rolling hills lying south of Van Tine Creek within the Nechako Plateau. Upland surfaces are generally well drained with few lakes or marshes. Lower creek valleys are broad and swampy. Topography is moderate, with elevations ranging from 1,100 metres in the Fawnie Creek valley to 1,739 metres at the highest point of Entiako Spur. Outcrop exposure is fairly good along the ridge top, but is increasingly masked by glacial till at lower elevations. Overall, the property would average less than 5% outcrop. Road cuts along the Van Tine Road expose up to 30 metres of glacial till. Glacial striae trend 060° on the Fawn 2 claim, and Tipper (1963) provides strong evidence regionally for a southwestern ice source.

The property is largely covered by spruce and lodgepole pine with a light undergrowth of huckleberry and alder. Recent clear-cuts at lower elevations on most of the claims have made the sparse outcrops easier to find and examine. The Fawn property is subject to a continental climatic regime, with warm summers and cold winters. Snowfall is moderate with an accumulation of one to two metres during the winter.

4.0 REGIONAL AND PROPERTY EXPLORATION HISTORY

4.1 Previous Work

The area around the Fawn property received little exploration until the late 1960's, when Rio Tinto Canadian Exploration Ltd. carried out stream and lake sediment sampling surveys throughout the Nechako Plateau, searching primarily for copper-molybdenum porphyry deposits (Hoffman, 1976). Follow-up work on one of their anomalies by Rio Canex (1969-71) and Granges Exploration Ltd./Cominco Ltd. (1976-present) led to the discovery in 1979 of the Capoose silver-lead-zinc deposit approximately seven kilometres north of the Fawn property. Reserves at Capoose have been estimated at 28 million tonnes grading 36 g/tonne silver and 0.9 g/tonne gold (Green and Diakow, 1993).

Following the recognition of a major silver resource at Capoose, BP Minerals Limited staked several other nearby high-priority silver-lead-zinc lake sediment anomalies from Rio Canex's data. Their Gran and Laid claims were staked in 1981 to cover the drainages surrounding Square Lake, a small lake at the head of Van Tine Creek near the northern boundary of the present Fawn 1 claim. Square Lake was extremely anomalous in lead, exceeding the values for the lakes which marked the Capoose deposit (Hoffman, 1976).

In 1982, BP Minerals carried out geological mapping over the area now covered by the Fawn property and laid out a compass and hipchain geochemical grid which used three different numbering systems. An east-west baseline was blazed and numbered from 0+00W to 28+00W, just north of the present Fawn 2 southern boundary. Cross-lines were run to the south from this baseline, with station numbering up to 24+00S. A second baseline was blazed to the north from station 28+00W on the first baseline, which was re-labelled 0+00N 0+00W. Cross-lines were run to the east and west from this second baseline (and labelled accordingly), which extended north to 18+00N. A western tie line was

blazed north-south 2,600 metres to the west of the second baseline, near the western boundary of the current Fawn 1 and 3 claims. This was used to tie in lines 0+00N to 14+00N, which were run west from the second baseline. Lines were also run and numbered east (Lines 14+00N to 20+00N) and west from the western tie line (and labelled east or west relative to the western tie line). A total of 1,152 soil and stream sediment samples were taken in 1982 and a further 1,517 in 1983 from ground currently covered by the Fawn property (Hoffman and Smith, 1982; Smith and Hoffman, 1983 and 1984). Samples were taken initially at 100 metre intervals on lines spaced 100 metres apart, with later infilling to 50 metre intervals in anomalous areas. The soil geochemistry delineated a northwesterly trend of coincident lead-zinc-silver anomalies measuring approximately 3,000 metres by 700 metres, centred on the Fawn 1 claim.

In 1983, limited trenching and a series of 40 backhoe test pits were excavated at 25 metre intervals near the eastern end of the lead-zinc-silver soil anomaly, exposing three or four "rhyodacite lapilli tuff" units with up to 94.5 ppm silver and 880 ppb gold (Smith and Hoffman, 1984). The following year, another grid was established for mapping purposes over the Fawn 1 soil anomaly. A 3,000 metre baseline oriented at 310° was cut and numbered from 0+00N to 30+00N. Cross-lines were run at 035° from the baseline at 200 metre intervals. Further backhoe trenching was carried out in the area of the 1983 trenching and near the western end of the soil anomaly, without encouraging results (Smith, 1985). BP Minerals allowed their claims to lapse in 1988.

The Fawn 1-4 claims were staked in 1991 over BP Minerals' soil geochemical anomaly. In September and October of that year, Western Keltic Mines Inc. carried out geological mapping, soil and rock geochemistry and geophysical surveying, taking 239 rock, 144 soil and 41 deep overburden samples. The 1984 cut baseline was re-established and extended at 130° for 2,425 metres to the southeast. Cross-lines were run towards 040° at 100 metre intervals from 4+00N to 30+00N and at 200 metre intervals from 4+00N to 24+00S, with stations marked every 25 metres. Cross-lines, 500 metres in length, were run at a bearing of 220° from 5+00N to 27+00N at 100 metre intervals. Five widely-spaced lines were extended further to the southwest, in an area to the south of pre-existing coverage and soil samples were taken along them at 50 metre intervals. The BP Minerals soil anomalies were relocated relative to the new grid and verified by 41 soil samples taken from their most anomalous sample locations. Magnetometer and VLF-EM surveys were carried out over 31 line-kilometres of the grid between 2+00S and 30+00N. Deep overburden sampling and MaxMin EM were tested over the Giver Zone, a mineralized VLF-EM conductor (Awmack, 1991).

Four subparallel, easterly-trending VLF-EM conductors were defined along strike lengths of 700 to 2200 metres by the 1991 program, with each remaining open along strike in at least one direction. Each of the four VLF conductors is accompanied by silver+zinc+lead$\pm$arsenic soil geochemistry. Eocene(?) epithermal chalcedony-sulphide breccia was found in subcrop and float along one of the VLF conductors, with assays up to 12.9 g/tonne Au and 637 g/tonne silver in separate samples from the "Giver Zone" and one of its splays, the "Giver Splay" (Awmack, 1991). The Fawn 5 and 6 claims were subsequently staked to cover the projected westward extension of these VLF structures.

Western Keltic performed a 20.7 line-kilometre induced polarization survey on lines spaced 200 metres apart from 3+00N to 29+00N in October and November, 1993. This showed low resistivity and weak chargeability along the Giver VLF-EM structure and outlined a strong chargeability anomaly at the eastern end of the survey. Moderate chargeability and low resistivity anomalies were indicated near the northwestern end of the grid, in an area of strong soil geochemistry and two VLF-EM structures (Ballantyne, 1993).

During the course of regional mapping in 1993, the BC Geological Survey discovered the Malaput Showing, a zone of silicification and sericitization located four kilometres southeast of the Giver Zone (Diakow and Webster, 1994). The Fawn 7 claim was subsequently staked over the Malaput Showing.

The BC Geological Survey undertook regional lake sediment (Cook and Jackaman, 1994) and

basal till (Levson et al, 1994) sampling programs throughout portions of the 93F map sheet in 1993, taking three lake sediment samples and 18 till samples from the Fawn property. The lake sediment sample from Square Lake returned the highest lead, zinc and cobalt values for all 237 samples taken from the region, along with anomalous antimony, arsenic and gold. Six of the till samples exceeded the survey's 95th percentile for gold, lead, arsenic or antimony. Four of these anomalous till samples, including the sample with the survey's second highest gold value, were taken from the northeastern portion of the Fawn 7 claim, an area which has received no exploration.

In 1994, Western Keltic drilled 617 metres in six diamond drill holes on geophysical and geochemical targets on the Fawn 1 and Fawn 5 claims. Three of these were drilled across the V2 conductor (Giver Zone) showing it to be a steeply-dipping 18-32 metre wide zone of sericite-clay-pyrite alteration hosting epithermal chalcedony stockworks and breccias. The best intersections were 8.1 metres of 2.0 g/tonne Au in hole FWN94-02 and 4.4 metres of 1.5 g/tonne Au and 63.8 g/tonne Ag in hole FWN94-03. In addition, 55 soil samples were taken from a small grid over the Malaput Showing, returning up to 255 ppb Au, 336 ppm As, 226 ppm Pb and 1360 ppm Zn. Mapping showed it to be an easterly-trending, 25-30 metre wide zone of silicification which can be traced along strike for at least 300 metres (Baknes and Awmack, 1994a).

4.2 1997 Diamond Drilling Program

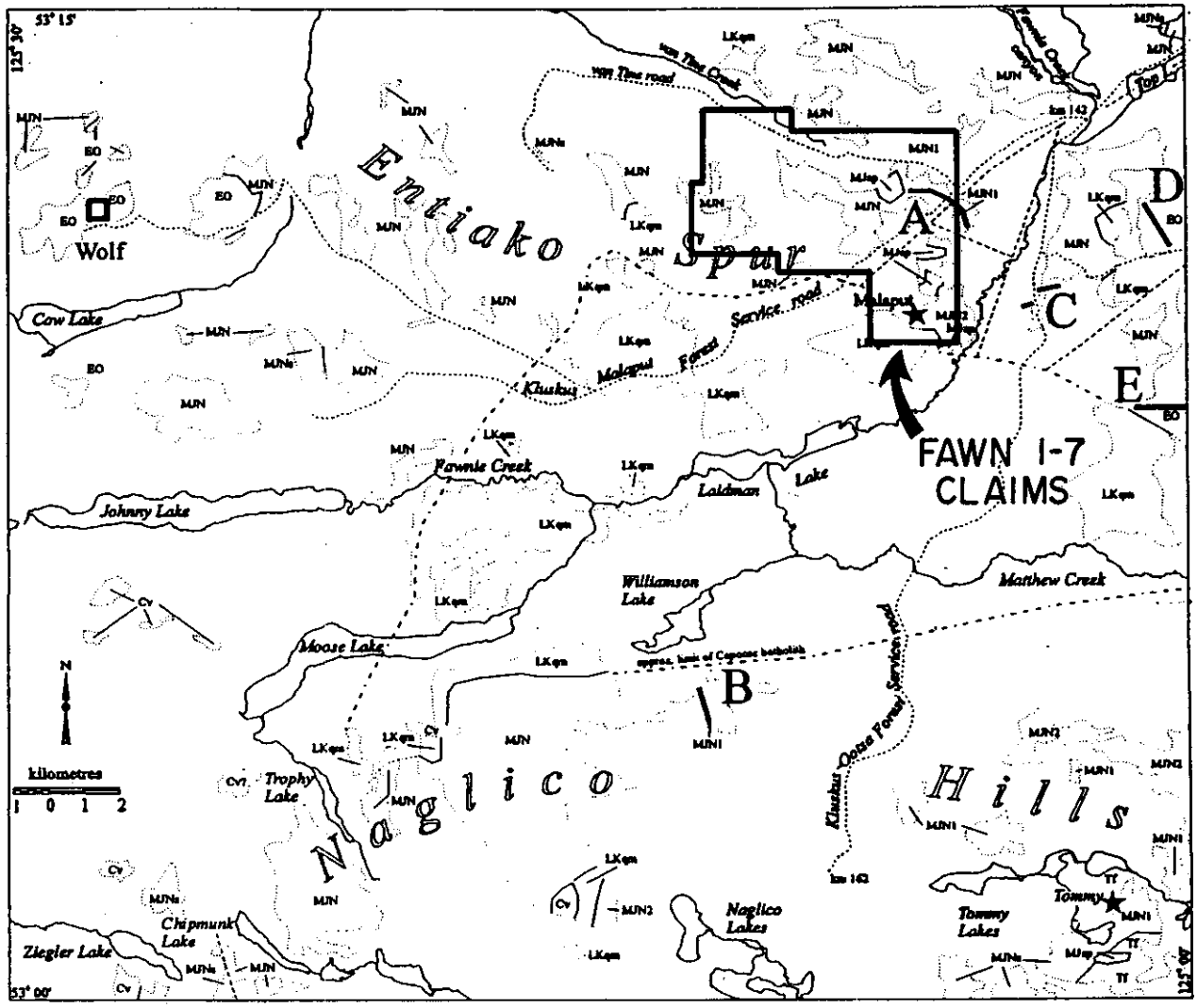
During March and April of 1997, Cascadia International Ventures Inc. carried out a second diamond drill program on the Fawn property, targeted at the Giver Zone and Giver Splay on the Fawn 1 claim. Seven holes, totalling 619.6 metres (2,032') of BTW core, were drilled by Falcon Drilling Ltd. of Prince George, using their F-1000 drill. Core was logged on site and split mechanically for geochemical analysis. Drill logs are attached in Appendix C. Drill sites were accessed by short spur roads built using a small cat from existing roads. A total of 125 core samples were analyzed geochemically for gold and by ICP for 32 elements by Chemex Laboratories in North Vancouver. Samples with high gold values were subsequently fire assayed. Appendix D contains analytical certificates.

Reclamation of all drill sites and drill roads was carried out in September 1997. Limited soil sampling and mapping was performed in conjunction with the reclamation, focused on the Malaput Showing area and skarn mineralization on the Fawn 6 claim. Results of this program will be reported separately.

5.0 REGIONAL GEOLOGY

The British Columbia Geological Survey carried out 1:50,000 scale regional mapping over map-sheet 93F/6 in 1992 (Green and Diakow, 1993; Diakow and Green, 1993). In 1993, this mapping was extended to the south over map-sheet 93F/3, which covers the Fawn property (Diakow and Webster, 1994; Diakow et al, 1994). Their mapping shows Jurassic Hazelton Group volcanics and sediments intruded by the Late Cretaceous Capoose Lake batholith and unconformably overlain by Eocene Ootsa Lake Group subaerial volcanics and younger plateau basalts (Figure 3).

The Early to Middle Jurassic Hazelton Group rocks in the vicinity of the Fawn property have been assigned by Diakow and Webster (1994) to their informal Naglico Formation of silica-bimodal volcanic rocks and Bajocian intravolcanic sediments which are gradationally overlain by Callovian marine sediments. The lower division of this formation consists of "crudely layered fragmental and lesser flow rocks of rhyolitic composition, and local maroon and green andesitic tuffs deposited in a subaerial environment" (**Unit MJN1**). The upper division is dominated by mafic and intermediate lavas (**Unit MJN2**), interpreted by Diakow and Webster (1994, p. 19) to be deposited in a shallow marine environment with local subaerial conditions. Green and Diakow (1993) report that a section of the upper division exceeds 1,000 metres in thickness on Tutiai Mountain, 14 kilometres north of the Fawn property. Augite porphyry plugs (**Unit MJap**) mapped on the Fawn claims are thought to be cogenetic with upper



SYMBOLS
- Geological contact
- Fault
- Potential epithermal prospect
- Geological section
- Outcrop limit

LEGEND

STRATIFIED ROCKS
MIOCENE TO PLIOCENE

Chilcotin Group
- Cv — Olivine basalt

EOCENE

Ootsa Lake Group
- EO — Rhyolite and andesite flows, quartz-bearing lapilli tuffs, tuffaceous siltstone

MIDDLE JURASSIC

Hazelton Group (Naglico Formation)
- MJNs — Fine to coarse-grained, fossiliferous volcaniclastics
- MJN2 — Basalt and andesite flows and lapilli tuffs
- MJN1 — Rhyolite flows, ash-flow tuffs and lapilli tuffs

INTRUSIVE ROCKS
TERTIARY
- Tf — Felsite sills

LATE CRETACEOUS

Capoose Lake Batholith
- LKqm — Equigranular quartz monzonite, with lesser quartz diorite and quartz porphyry

MIDDLE JURASSIC
- MJap — Mafic augite-plagioclase porphyry plugs

Geology modified from Diakow and Webster (1994).

0 5 10
KILOMETRES

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
REGIONAL GEOLOGY

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN:	J.W./H.A.	MINING DIV.: OMINECA	FIGURE 3
N.T.S.:	93 F/3	SCALE: 1:200,000	
DATE:	OCT. 1997	REVISED	

division Naglico Formation augite-phyric volcanics.

Wide-spread, irregularly-distributed, marine sedimentary rocks (**Unit MJNs**) are intercalated with Naglico Formation volcanics, interpreted as basins between coalescing volcanic centres. The marine sediments become dominant in the stratigraphically highest Middle Jurassic exposures. Main lithologies include feldspathic sandstone and siltstone, tuffaceous argillite, locally prominent volcanic conglomerate and scarce limestone. Fossils are common in the sedimentary rocks, with most of indeterminate or probable Middle Jurassic age and at least one early Bajocian collection (Diakow and Webster, 1994).

The Jurassic stratigraphy was intruded by the Late Cretaceous Capoose Lake Batholith (**Unit LKqm**), a 250 km^2 pluton which extends southwesterly for at least 20 kilometres from the Fawn property. The Hazelton volcanics of the southwestern portion of the Fawn property are thought to be underlain by the Capoose Lake Batholith at a fairly shallow depth. Its main phase consists of light coloured, medium- to coarse-grained, equigranular quartz monzonite, although its composition is locally granodioritic and a dioritic phase cuts northerly through the Fawn 2, 4 and 7 claims. Andrew (1988) reports a biotite K-Ar date of 64.3$\pm$2.4 Ma for the batholith. Miarolytic quartz porphyry dykes and plugs cut Hazelton Group sediments on the Buck property, immediately east of the Fawn claims. These were interpreted by Diakow and Webster (1994) to be subvolcanic apophyses projecting from the Capoose Lake Batholith.

Flat-lying to moderately dipping, subaerial volcanics of the Ootsa Lake Group (**Unit EO**) unconformably overlie older Mesozoic rocks. Potassium-argon dating of Ootsa Lake rocks at the Wolf prospect gave an age of 48$\pm$2 million years (mid-Eocene). The Ootsa Lake volcanics consist of calc-alkaline andesite to rhyolite. North of the Natalkuz Fault, a northeasterly trending fault which passes twenty kilometres northwest of the Fawn claims, Ootsa Lake volcanics cover an extensive area, with a 750 metre stratigraphic section. South of the fault, the Ootsa Lake Group forms thin isolated cappings on older rocks.

Miocene plateau basalts of the Chilcotin Group (**Unit Cv**) unconformably overlie all other units.

Low grade regional metamorphism and weak deformation are pervasive on the Nechako Plateau. Contact metamorphism is pronounced around intrusives. Tipper (1959) observed that the overall lack of structural features may, in part, be attributed to the abundance of often structureless volcanics in the area. The Hazelton volcanics appear more strongly deformed in comparison to other rock types, with dips of up to 70°. At the Capoose deposit, eight kilometres north of the Fawn property, bedding dips moderately (20-40°) to the southwest, with a synclinal fold axis plunging at 10° to the southeast (Andrew and Godwin, 1987). The Ootsa Lake Group volcanics were deposited in a period of extensional tectonism. Another period of deformation during the Oligocene produced broad open folds in the Ootsa Lake Group volcanics and sediments. The relatively undeformed Chilcotin Group consists of generally flat-lying to gently easterly dipping plateau lavas (Tipper, 1963).

Several styles and ages of mineralization have been documented in the vicinity of the Fawn property (Figure 3). Teck Corp.'s Tommy epithermal gold-silver prospect, 17 kilometres south of the Fawn claims, consists of several north to northeast trending veins and silicified stockwork zones hosted by Naglico Formation quartz-phyric felsic crystal lithic and ash tuffs. The veins consist of milky quartz, chalcedony, sparry calcite, ankerite and adularia, with typical epithermal textures such as druse, colloform banding, cockscomb structures and multiple brecciation/veining episodes. Only trace amounts of sulphides, mainly pyrite, chalcopyrite, sphalerite and galena, are present. The Tommy Vein, which has received the most exploration, hosts a geological resource of 478,000 tonnes grading 8.7 g/tonne Au and 82.3 g/tonne Ag across an average width of four metres (J. Pautler, pers. comm., 1997).

The Wolf epithermal gold-silver prospect, located twenty kilometres west of the Fawn property, is hosted by Eocene Ootsa Lake Group rhyolitic flows, tuffs and subvolcanic intrusives. Repeated low-sulphide silicification, brecciation and stockwork veining have been accompanied by up to 8.49 g/tonne gold and 42.2 g/tonne silver across 7.5 metres in trenching (Cann, 1984). It has been suggested that

the Wolf deposit may have been related to maar (Andrew et al, 1986), collapse caldera (Andrew, 1988) or hot-spring (Andrew, 1988) paleo-environments.

The Capoose silver deposit, located eight kilometres north of the Fawn property, is hosted by Naglico Formation mafic flows, rhyolite tuff, argillite and lithic wacke intruded by Late Cretaceous quartz-garnet rhyolite sills related to the Capoose Lake Batholith. Mineralization consists of pyrite, sphalerite, galena, chalcopyrite and arsenopyrite in disseminations, fracture-fillings and replacing garnets, and is thought to be Late Cretaceous in age (Andrew, 1988). The Capoose deposit contains 28 million tonnes grading 36 g/tonne silver and 0.9 g/tonne gold (Green and Diakow, 1993). The Capoose Lake Batholith itself has been explored for porphyry-style copper-molybdenum mineralization a few kilometres west of the Capoose deposit.

Immediately east of the Fawn property, the Buck 1-4 claims cover a 3,000 metre long zinc-arsenic-lead soil geochemical anomaly overlying Naglico Formation rocks. Proximal (vent facies) felsic volcanics change laterally to distal felsic volcaniclastics and epiclastics along with marine sedimentary and intermediate volcanic lithologies. Stratabound sphalerite-pyrrhotite mineralization, grading up to 4.69% zinc, is present in felsic ash tuffs. The Christmas Cake Showing, with a 45 centimetre chip sample grading 7.38% Zn, 2.25% Pb and 542 g/tonne Au, consists of coarse sphalerite, iron carbonate, galena, minor chalcopyrite and sugary quartz forming a matrix which supports fragments composed entirely of very fine-grained pyrite and by variably altered, angular, felsic lithic clasts (Baknes and Awmack, 1994). A northeast-trending VLF-EM conductor corresponds to a recessive zone of clay alteration with quartz-calcite veining, accompanied by 2-10% pyrite and lesser arsenopyrite and sphalerite. Although this zone returned only low gold and silver values, its similarities to the Fawn's Giver Zone suggest a genetic link (Caulfield, 1996)..

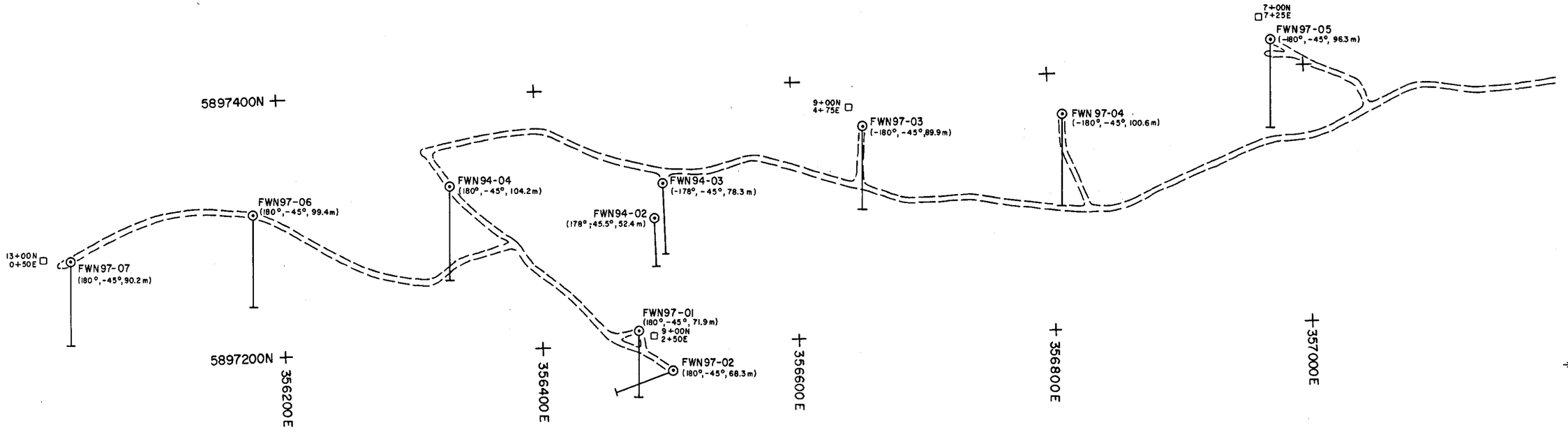
Fifteen kilometres east of the Fawn property, the PEM prospect is underlain by Naglico Formation *felsic to intermediate tuffs, lapilli tuffs, breccias and flows, intercalated with argillite, siltstone and* sandstone. Disseminated and shear-hosted mineralization occurs in a steeply-dipping, structurally-controlled zone of phyllic and argillic alteration at least 900 metres long, with introduction of 3-4% sphalerite and 1-2% pyrite (Schroeter and Lane, 1994). Zbitnoff (1988) reports drill intersections up to 6.3 metres grading 14.3 g/tonne gold, 27 g/tonne silver and 1.25% zinc. Textural evidence suggests that PEM mineralization may be genetically similar to that of Capoose.

6.0 PROPERTY GEOLOGY

The Fawn property is largely underlain by a sequence of Early to Middle Jurassic Hazelton Group (Naglico Formation) rhyolitic and andesitic volcanics with lesser epiclastic sediments. These have been intruded by a dioritic pluton, thought to form part of the Late Cretaceous Capoose Lake Batholith, and by later felsic dykes which are presumably feeders to the Tertiary Ootsa Lake rhyolites. No geological mapping was carried out on the Fawn property during the 1997 drill program; more detailed descriptions of geology and mineralization can be found in previous reports by Baknes and Awmack (1994a) and Awmack (1991).

7.0 DIAMOND DRILLING

Seven holes were drilled in the vicinity of the gold-bearing 1994 drill intersections on the Giver Zone. Five of these were 150-metre stepouts along the V2 (Giver Zone) VLF-EM conductor from holes FWN94-02, 03 and 04. The other two were designed to test the Giver Splay, a conductive cross-structure where epithermal veining had assayed up to 12.9 g/tonne Au in subcrop. Table 7.0.1 summarizes location, orientation and drilling depths for the 1997 holes. The holes are located in plan on Figures 4 and 5, with vertical cross-sections in Figures 6-12. Drill logs are attached in Appendix C.



0 50 100 150
METRES

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
DRILL PLAN
GIVER ZONE MAP 9

EQUITY	Date. Oct. 1997	Scale. 1:2500	FIGURE. 5
	U.T.M. Zone. 10 (NAD-27)	Mining Dist. OMINECA	
	N.T.S. 93 F/3E	State/Prov. B.C.	

Table 7.0.1
Drill Hole Survey Data

Hole Number	Grid Location		Elevation	Azimuth	Dip	Length
	Northing (m)	Easting (m)	(m)	(°)	(°)	(m)
FWN97-01	9+12 N	2+45 E	1525.7	180	-45	71.9
FWN97-02	8+72 N	2+40 E	1528.7	250	-45	71.3
FWN97-03	8+82 N	4+71 E	1478.3	180	-45	89.9
FWN97-04	7+68 N	5+70 E	1457.2	180	-45	100.6
FWN97-05	6+84 N	7+18 E	1425.3	180	-45	96.3
FWN97-06	11+98 N	1+81E	1574.8	180	-45	99.4
FWN97-07	12+87 N	0+62 E	1598.5	180	-45	90.2
						619.6

FWN97-01

Hole FWN97-01 was drilled under the Giver Splay along the same section as 1994 drill holes FWN94-02 and -03. The Giver Splay is a weak VLF-EM conductor which trends 130° from conductor V2 (Giver Zone). In 1991, a sample of silicified, brecciated, pyritic subcrop cut by drusy quartz-arsenopyrite veinlets assayed 12.9 g/tonne Au; it was taken from an old backhoe pit a few metres northwest along the Giver Splay from where hole FWN97-01 cuts it. The Giver Splay had been tested previously by FWN94-04, which was targeted at its junction with the Giver Zone conductor, 180 metres to the northwest; it intersected 2.7 metres grading 2.42 g/tonne Au.

The hole was drilled through a package of andesite lapilli to ash tuff which displays zones of alteration (Figure 6). This alteration zoning progresses from propylitic to intensely sericitized andesite lapilli ash tuff. The propylitic alteration displays variable epidote, chlorite and calcite alteration with a significant magnetite content. With increasing alteration the magnetite appears to be altered to hematite with subsequent loss of magnetism and increased red to brown colour. Mixed hematite-sericite alteration then follows which results in mottled red-brown and pale green coloured lapilli-tuff. With increased alteration the colour changes to pale green-grey, then textural features of the lapilli-tuff are obliterated, commonly with increased disseminated pyrite.

FWN97-01 encountered the Giver Splay between 58.8 and 63.0 metres depth. It is a highly fractured zone of intensely sericitized and variably pyritized lapilli tuff, with local quartz±dolomite veining. A strong fracture foliation trends 10-35° to core axis, indicating that the drill hole is oriented at a low angle to the Giver Splay. This is consistent with its assumed northwesterly trend and steep dip. Assuming a 25° average angle, the true width of the Giver Splay would be about 1.8 metres; the true width of sample 197021 (2.02 g/tonne Au) would be 0.46 metres. Significant samples are summarized in Table 7.0.2.

Table 7.0.2
Significant Intercepts - FWN97-01

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
197019	58.80	60.15	1.35	365	---	2.8	928	27	60	20	440
197020	60.15	61.90	1.75	<5	---	0.4	32	8	34	6	178
197021	61.90	63.00	1.10	2000	2.02	6.0	2270	9	84	10	508

FWN97-02

FWN97-02 was directed southwesterly across the same target as FWN97-01, in an effort to cut

the Giver Splay at a less acute angle. Like hole FWN97-01, it was drilled entirely within andesitic lapilli tuff (Figure 7). Strong sericite alteration was observed below the casing from 3.05 to 8.20 metres as well as paralleling a major fault intersected at 48.3 to 52.2 metres and a fault zone from 63.6 to 64.9 metres. The alteration envelopes parallel these fault zones and alteration decreases with distance from the faults. Presumably, the faults correspond to the Giver Splay. Fracturing is generally 50-55° to core axis, corresponding to the Giver Splay's assumed northwesterly trend and steep dip.

Table 7.0.3
Significant Intercepts - FWN97-02

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
197024	13.40	14.70	1.30	170	---	1.2	6	28	262	<2	484
197026	50.00	52.20	2.20	130	---	3.8	264	28	44	14	154

FWN97-03

Holes FWN97-03, -04 and -05 were successive 150 metre stepouts to the east along the V2 conductor (Giver Zone) from 1994 holes FWN94-02 and -03. Hole FWN97-03 was collared in a fine-grained andesite flow, entering andesitic lapilli tuff at 9.7 metres (Figure 8). It intersected the Giver Zone from 50.5 - 83.6 metres depth, a true width of about 27 metres exhibiting intense sericite±clay alteration and heavy fracturing at 30-65° to core axis. In the core of the Giver Zone, quartz veining increases and two sections of quartz±dolomite vein breccia were intersected, roughly paralleling the core axis (67.6-74.1m and 77.0-81.5m). Slightly elevated gold and arsenic values are associated with the vein breccia (Table 7.0.3).

Table 7.0.4
Significant Intercepts - FWN97-03

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
197042	70.41	74.10	3.69	575	---	2.2	1750	11	68	6	348
197044	77.00	78.90	1.90	345	---	1.4	1530	12	24	8	186
197045	78.90	81.50	2.60	345	---	1.8	1420	14	36	8	224

FWN97-04

Hole FWN 97-04 was collared 150 metres east of FWN97-03 along VLF-EM conductor V2. It displayed narrow intervals of variably hematite, sericite and clay altered andesite lapilli tuff over the upper 56.1 metres (Figure 9). From 56.1 to 90.4 metres the hole cut a zone of very intensely altered, fractured and faulted lapilli to ash tuff and a minor quartz feldspar porphyry dyke. A very strong fault zone from 59.8 to 65.0 metres displayed strongly brecciated lapilli tuff with clay gouge and alteration. The fault/fracture zone appears to continue to 81.5 metres as all rock units are broken and blocky, commonly with clay on fracture/fault slip surfaces. Broken core within the fault zone display fragments of vein quartz as well as <5mm quartz veins cross-cutting the fault breccia. This suggests multiphase quartz episodes and activity along the V2 conductor.

A quartz stringer zone from 56.3 to 57.2 metres consists of vuggy, generally 1-2 mm (to a maximum of 30 mm) grey quartz stringers with traces of arsenopyrite, chalcopyrite and sphalerite. A later dolomite stringering episode does not appear to host any significant sulphide mineralization. Minor quartz±pyrite±arsenopyrite stringers occur in the 57.2 to 59.8 metre interval and rare quartz ± sulphide stringering occur from 63.3 to 79.3 metres.

A quartz-feldspar porphyry dyke intersected from 81.5 to 86.0 metres displays strong fracturing with significant alteration paralleling these fractures suggesting later movement on the fault zone.

Table 7.0.5
Significant Intercepts - FWN97-04

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
197049	14.30	15.80	1.50	130	---	<.2	14	46	2	12	120
197057	56.30	57.20	0.90	125	---	1.2	282	10	16	8	70
197059	57.60	58.70	1.10	130	---	3.2	370	27	18	12	176
197061	59.40	59.80	0.40	580	---	6.6	3690	14	50	14	266
197065	63.30	65.00	1.70	140	---	1.8	622	11	30	8	184
197067	66.50	67.40	0.90	120	---	1.2	1200	17	18	10	128
197071	74.80	75.90	1.10	275	---	2.2	638	17	24	8	284

FWN97-05

Hole FWN 97-05 was the easternmost stepout along conductor V2, collared another 160 metres east of FWN97-04 in an area of anomalous arsenic soil geochemistry. The upper 50.5 metres cut a variably sericite-hematite altered interval of ash and lapilli tuff (Figure 10). Strong sericite alteration is associated with a fault at 21.9 to 22.4 metres. Minor silicified zones occur in the interval from 20.0 to 21.9 metres above the fault.

Quartz-feldspar porphyry was intersected from 50.5 to 86.6 metres. This interval was subdivided into two units based upon their groundmass colour difference as well as significant fracturing differences. The upper 50.5 to 78.0 metre interval displayed strong fracturing and weak mineralization, with white and grey quartz stringers hosting trace pyrite and arsenopyrite. An extremely rubbly sericite and clay altered zone from 60.5 to 65.9 metres is likely responsible for the V2 conductor.

Gold-bearing mineralization occurs at the footwall contact of the quartz feldspar porphyry. Throughout the mixed porphyry/tuff zone (86.6-89.1 metres) and footwall ash lapilli tuff zone (89.1-91.7 metres), millimetre-scale white and grey quartz stringers host minor amounts of pyrite, arsenopyrite, sphalerite, galena and chalcopyrite. Very fine grained black alteration associated with this zone may be the result of fine-grained sulphides in the wall rock.

Table 7.0.6
Significant Intercepts - FWN97-05

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
197092	86.60	87.90	1.30	575	---	4.4	1295	8	10	6	74
197093	87.90	89.10	1.20	210	---	3.0	892	12	12	8	106
197094	89.10	90.60	1.50	1620	1.58	0.2	16	31	62	2	312
197095	90.60	91.70	1.10	300	---	0.6	62	47	56	6	368

FWN97-06

Holes FWN97-06 and FWN97-07 were stepouts west along conductor V2 from 1994 drill hole FWN94-04, which intersected 2.7 metres assaying 2.4 g/tonne Au. Hole FWN97-06 was collared 150 metres west of FWN94-04 in the vicinity of several epithermal float boulders sampled in 1991. These samples, known as the Givermore Zone, graded up to 3.4 g/tonne Au and 92 g/tonne Ag.

FWN97-06 encountered dominantly andesite flows with minor andesite lapilli tuffs (Figure 11). Alteration throughout the interval from 43.3 to 71.1 metres is dominantly sericite, clay and pyrite alteration with the most intense alteration paralleling a fault zone from 59.74 to 69.5 metres. Pyrite mineralization is dominant throughout the altered interval and likely represents pyritization of the magnetite (magnetite→hematite→pyrite). Within the fault zone is an interval of silicified breccia with dark grey chalcedonic quartz and minor white quartz from 59.74 to 61.4 metres. On either side of this silicified fault breccia occurs strongly altered and variably quartz and dolomite stringered andesite. Chalcedonic quartz stringers host varying amounts of pyrite, arsenopyrite and sphalerite but sulphides are generally present as trace amounts. These stringers occur sporadically throughout the altered zone, but are also concentrated as a stockwork zone from 53.1 to 55.3 metres. The upper, silicified, part of the fault and the overlying alteration averages 1.08 g/tonne Au and 23 g/tonne Ag along 10.2 metres of core (51.2 - 61.4 metres).

A strong fault breccia with clay gouge intersected from 61.4 to 62.5 metres, and an extremely broken and faulted clay and sericite altered zone from 62.5 to 69.5 metres are thought to be the source of the V2 conductor.

Table 7.0.7
Significant Intercepts - FWN97-06

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
197100	51.20	53.10	1.90	680	---	7.2	2350	45	34	24	258
197101	53.10	54.00	0.90	1680	1.61	42.4	1835	29	36	60	288
197102	54.00	55.35	1.35	1365	1.23	56.8	2690	24	56	64	260
197103	55.35	57.00	1.65	2340	2.33	11.0	5370	52	54	22	428
197104	57.00	59.74	2.74	<5	---	3.0	232	78	26	20	244
197105	59.74	61.40	1.66	1700	1.68	50.0	2640	34	202	34	656
Avg.	**51.20**	**61.40**	**10.20**	**1080**	**1.08**	**23.3**	**2316**	**49**	**66**	**33**	**349**
197109	69.50	71.00	1.50	250	---	1.8	1385	22	28	8	266
197112	81.40	83.90	2.50	160	---	1.0	332	35	14	6	124

FWN97-07

Hole FWN 97-07 was the westernmost 1997 drill hole, collared 150 metres west of FWN97-06 on the V2 conductor, in an area with no soil geochemical anomalies and no surface epithermal float. It encountered a package of volcanic flows and fragmental volcanics which displayed alteration parallel to two strong faults (Figure 12). All quartz and dolomite stringering occur within the faults or alteration zone.

Pyrite mineralization occurs disseminated throughout the extremely altered zones, and within minor quartz stringers. Within the fault zones clay gouge and breccia appear to contain disseminated pyrite throughout. Fragments of quartz-feldspar porphyry within the fault breccia suggest the presence of a dyke which may have occupied the zone, but was reduced to rubble by faulting. The quartz feldspar porphyry fragments may also have been dragged into the zone from elsewhere.

Stringering throughout the hole appeared to be substantially less than previous holes along the V2 conductor. The reduction in stringering may be the result of the strong faulting which may have post-dated the quartz veining event. The strong faults from 43.7 to 50.4 metres and 63.6 to 67.0 metres may both represent the V2 conductor although the 43.7-50.4 metre fault displayed a larger interval with strong clay gouge.

Table 7.0.8
Significant Intercepts - FWN97-07

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
197115	29.30	30.60	1.30	140	---	0.6	120	21	12	6	78
197127	65.40	67.00	1.60	165	---	0.8	1890	17	20	6	90
197128	78.10	78.90	0.80	25	---	13.4	32	4060	490	4	1610

8.0 DISCUSSION

The 1997 diamond drilling program focused on the Giver Zone, an east-west trending zone of faulting and sericite-clay alteration with local quartz stringer stockworks and chalcedonic breccias. It is marked on surface by sporadic arsenic, lead and zinc soil geochemistry and a strong VLF-EM conductor (V2). Eight holes tested the Giver Zone in 1994 and 1997, on seven sections along 900 metres of its strike length. Each of these holes produced wide altered intervals and samples exceeding 100 ppb Au; five returned intersections of 1-3 g/tonne Au, including hole FWN97-06 with 10.2 metres grading 1.08 g/tonne Au.

Two 1997 holes tested the Giver Splay, a weak, northwesterly-trending VLF-EM cross-structure to the Giver Zone. Epithermal veining which subcrops between the 1997 holes and the Giver Zone had yielded assays up 12.9 g/tonne Au in 1991. However, the drilling shows the Giver Splay to be a relatively narrow zone of faulting and mineralization; the best core sample assayed 2.02 g/tonne Au across a few tens of centimetres true width.

Quartz-feldspar porphyry dykes were encountered in several Giver Zone holes, locally altered and mineralized. They both follow fault zones and are locally fractured or brecciated by later faulting. They may be related to the Late Cretaceous Capoose Lake Batholith or may be feeders to Eocene Ootsa Lake Group volcanics. Their close spatial association with alteration and epithermal mineralization in drill holes and on surface suggests a genetic link as well, implying that Fawn epithermal mineralization is Cretaceous or Tertiary in age. Repeated fault, hydrothermal and igneous activity along the Giver Zone is suggested by the locally brecciated dyking and by silicified fault breccias cut by later veining and faulting..

The alteration along the Giver Zone (V2) is indicative of a strong and extensive epithermal mineralizing system. Despite widespread 'sniffs' of gold, no potentially economic gold mineralization has yet been discovered along the 900 metres of the V2 conductor which has been drill tested. However, less than 15% of the prospective strike length of the known conductors has been drilled. Conductor V2 itself has been defined over an additional 1,000 metre strike length and remains open to the east and west. Three other east-west VLF-EM conductors with associated soil geochemical anomalies were also defined by the 1991 survey, aggregating 4,600 metres of strike length and each remaining open in one or two directions; none of these has been tested by drilling. In addition, it appears likely that further parallel structures will be found to the south of the 1991 geophysical survey, including the Malaput Showing, an east-west silicified zone four kilometres south of the V2 conductor. Epithermal systems are characterised by strong vertical controls on mineralization. It may turn out that the drilled portion of V2 is too low (or too high) in the epithermal system and one of the other structures is exposed at a better level.

The Tommy prospect, located 17 kilometres south of the Fawn property, consists of epithermal quartz veins in Hazelton Group (Naglico Formation) quartz-phyric rhyolite tuffs. Teck Corp. has developed a reserve of 478,000 tonnes grading 8.7 g/tonne Au over a width of four metres at Tommy in a geological setting which is very similar to the Fawn property's. Not only does this bode well for the

possibility of discovering significant gold mineralization on the Fawn claims, but it suggests a possible rheological control on mineralization. At Tommy, the rhyolite host forms brittle fractures, along which the quartz veins are emplaced. In the Giver Zone, the less competent andesitic lapilli tuffs do not form discrete fractures, but rather wide zones of faulting, alteration and quartz stockworks, with more dispersed gold mineralization. It would be worthwhile extending the Fawn geophysical grid eastward over the Naglico Formation quartz-phyric rhyolite tuffs. If the known fault structures, and their associated hydrothermal fluids, extended over into the rhyolite, they may also be characterized by narrower but more focused, discrete quartz veins.

Respectfully submitted,
EQUITY ENGINEERING LTD.

Henry J. Awmack, P.Eng.

Jim Lehtinen, P.Geo.

Vancouver, British Columbia
October, 1997

APPENDIX A

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APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

Fawn 1 Claim

March 24 - April 12, 1997

PROFESSIONAL FEES AND WAGES		
Stewart Harris, Project Geologist		
30.188 days @ $425/day	12,829.90	
Jim Lehtinen, P. Geo		
23.5 days @ $425/day	9,987.50	
Mark Baknes, P.Geo.		
3.25 days @ $425/day	1,381.25	
Warren Cole, Field Assistant		
20.5 days @ $225/day	4,612.50	
Clerical		
0.25 hours @ $25/hour	6.25	$ 28,817.40
EXPENSES		
Accommodation	$ 12,048.52	
Cat	15,263.48	
Automobile Fuel	983.59	
Bulk Fuel	3,830.87	
Water Truck	14,595.00	
Camp Supplies	162.53	
Chemical Analyses	2,166.86	
Courier	48.65	
Freight	775.00	
Airfare	4,361.70	
Materials and Supplies	3,219.92	
Meals	146.16	
Taxis and Airporters	48.77	
Printing and Reproductions	102.47	
Tolls and Airport Taxes	9.35	
Automotive Expenses	53.86	
Telephone Distance Charges	352.66	
Truck Rental (Non-Equity)	3,795.39	$ 61,964.78
SUB-CONTRACTS		
Falcon Drillling Ltd:		
Mob/Demob	9,165.00	
Footage	38,375.50	
Materials	467.09	
Standby/Moves/Travel	10,290.00	
Other Drilling Expenses	1,960.00	$ 60,257.59
EQUIPMENT RENTALS		
4x4 Equity Crewcab		
20 days @ $80/manday	$ 1,600.00	
Generator, 1kVA		
5 days @ $10/day	50.00	
Truck Radio		
19 days @ $5/day	95.00	
Chainsaw		

17 days @ $15/day	255.00	
Handheld Radios		
12 days @ $5/day	60.00	$ 2,060.00
REPORT (estimated)		
Drafting	$ 2,500.00	
Printing and Reproductions	900.00	
Time	6,600.00	$ 10,000.00
SUBTOTAL		$ 163,099.77
PROJECT SUPERVISION CHARGE		
12% on first $100,000		$ 12,000.00
10% on remaining $63,099.77		$ 6,309.98
SUBTOTAL		$ 181,409.75
GST		
7.0 % on subtotal (including project supervision charges)		$ 12,698.68
TOTAL		$ 194,108.43

APPENDIX C

DIAMOND DRILL LOGS

MINERALS AND ALTERATION TYPES

AS	arsenopyrite	BI	biotite	CA	calcite
CL	chlorite	CP	chalcopyrite	CY	clay
EP	epidote	GE	goethite	GL	galena
HE	hematite	JA	jarosite	MC	malachite
MG	magnetite	MN	Mn-oxides	MS	sericite
PO	pyrrhotite	PY	pyrite	QZ	quartz
SI	silica	SP	sphalerite	TT	tetrahedrite

EQUITY ENGINEERING LTD.

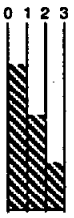
DRILL LOG

PROJECT: Fawn	COLLAR ELEVATION: 1525.7
HOLE: FWN 97-01	AZIMUTH: 180°
LOCATION: 9+12 N, 2+45 E	DIP: -45°
LOGGED BY: J. Lehtinen	LENGTH: 71.9
DRILLED BY: Falcon Drilling	HORIZONTAL PROJECTION:
ASSAYED BY:	VERTICAL PROJECTION:
CORE SIZE: BTW	
DATE STARTED: march 30/97	DATE COMPLETED: march 31/97
DIP TESTS BY: Acid	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
71.9	-45	/			

OBJECTIVE

ALTERATION SCALE



absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

Target:

0 - 3.05 Casing
3.05 - 11.3 Lapilli / Ash Tuff
11.3 - 21.8 Hematite Altered Lapilli Tuff
21.8 - 22.9 Andesite Lapilli Tuff
22.9 - 33.0 Variably MS-HE altered Lapilli Tuff
- Fracture fol'n near base of interval
33.0 - 40.3 Andesite Lapilli Tuff
40.3 - 52.3 Variably MS-HE altered Ash-Lapilli Tuff
52.3 - 53.7 - Ash Lapilli Tuff
53.7 - 57.1 - Variably HE altered Ash-Lapilli Tuff
57.1 - 63.6 MS+PY altered Lapilli Tuff
63.6 - 65.5 - HE altered Lapilli Tuff
65.5 - 71.9 - Andesite Lapilli Tuff

PAGE 1 OF 8 | PROJECT FAWN | HOLE FWN 97-01

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: sericite MS	hematite HE	clay CY	Dolomite DO	FRACTURE INTENSITY
0.0										
1					0 - 3.05 Casing					
2	CASING				3.05 - 11.3 Pale green-grey to med green Grey Lapilli Ash Tuff - Variably altered throughout giving mottled appearance.					
3										
4				Str Fault Slickens						12
5.0	66	13		30°	- Lapilli fragments commonly pale green, also rare dark grey - Fragments up to 4cm in 2mm - Ash matrix. Rare laths of feldspar crystals up to 1.5mm. - Strong Oxidation along fractures Alteration - Variably sericite alt'd with trace hematite alteration throughout. Patchy hematite near base of interval.					
6										
7				40 30						
7.92										
8										
9	87	24								5.0
10				40° CY						
10.67					11.3 - 21.8 Hematite Altered Lapilli Tuff - Variably altered, dominantly maroon matrix with pale green-grey fragments. Fragments variable composition from ash tuff, crystal tuff, porphyritic and amygdaloidal. - Minor < 3mm dolomite stringers at 40-55° TCA + along C.A. - Minor Clay along weak slips - Zones of moderate sericite alteration from 17.0 to 18.2m + 19.8 to 20.8					15
11				60						
12	103	78								10
13										
14										
15	105	59		Slip						15
16										40
17				Do. Str	- 21.2 - Minor erratic chalcedonic quartz.					7
18	101	52		Slip 45° CY						20
19				51° 39° 28°	- Very fine fracture fol'n. (crackle)					15
20				fracture fol'n						30
										10

PAGE 2 OF 8 | PROJECT FAWN | HOLE FWN 97-01

	MINERALIZATION DESCRIPTION	% TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
0							
1							
2							
3	~5% Pyrite in < 1 cm Vein parallel to C.A. - Strongly oxidized		3.05	4.55	1.5	197001	
4							
5							
6							
7							
8							
9							
10	- Mod. fractured - mod. MS. alt'n Alt'n front contact with HE (below)		10.1	11.0	0.9	197002	
11	- Strong HE alt'n. - Alt'n. front		11.0	12.5	1.5	197003	
12	with MS above						
13							
14							
15							
16	Strong HE alt'n above fracture zone		16.0	17.0	1.0	197004	
17	- Strongly fractured, MS alt'n ± Carbon? alt'n along CO_3 stringers		17.0	18.2	1.2	197005	
18	- Strongly - mod fractured HE alt'd zone		18.2	19.83	1.63	197006	
19	- Mod - strongly crackle breccia foliated. MS alt'd. Irregular,		1983	21.6	1.77	197007	
20	grey chalcedonic qz near base @ 21.2 m						

PAGE 3 OF 8 | PROJECT FAWN | HOLE FWN 97-01

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CY	DO	CA	SY/EP	FRACTURE INTENSITY
20.0												
21	102	65		32° Slip	21.8 - 22.9 Dark Green Andesite Lapilli Tuff Dark green chlorite altered tuff - Fragments up to 6 cm, commonly dark green - black. - Weak calcite stringers <2mm - Strong calcite alteration							5
22												
23			Str Qz Ca									20
24			QE DO	35°								
25.0	94	42			22.9 - 33.0 Mottled Lapilli Tuff. Variably coloured sericite / Hematite altered tuff, varying from pale green-grey to varying brown-red - Fragments commonly of similar composition as matrix, but also black - - Matrix of ash, & minor crystal tuff Numerous stringers throughout of Dolomite, Calcite & Quartz 22.9 - QZ-CA Stringer @ 40° TCA - Strong fracture fol'n & crackle texture near base of interval							10
26			Ca Qz	15° 60°								
27			Slip	25°								10
28	100	41	CA DO									
29				10°								7½
30	68	31										
31												15
32	100	16		Do. 40°								7½
33			crackle Str fol'n.	60°	33.0 - 40.3 Dark Green Andesite Lapilli Tuff - Dark green to green-grey with pale green altered fragments & matrix. Fragments commonly 1 - 2 cm but may vary up to 15 cm (Rare). Heterolithic fragments. - Fragment & matrix composition epidote & chlorite altered. - Minor Calcite / Hematite stringers and fine calcite / epidote stringers all < 2 mm.							20
34	97	73	Ca Str	55° 55°								5
35			Str Ca, He	15°								
36												
37	101	77										
38			Str Ca, He	12°								
39												
40	98	73	Str Ca He	40°								

PAGE 4 OF 8	PROJECT FAWN	HOLE FWN 97-01

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
20	- Chl-ite carbonate Altd Volc. - no Sx.		21.6	22.9	1.3	197008	
21	Minor Calcite stringers <3mm						
	Stringers near base of interval						
22	- Strongly CA+DO stringered						
	at top of interval (+ Carbon?)		22.9	24.2	1.3	197009	
23							
24	- MS altd., weak carbon alt'n		24.2	25.5	1.3	197010	
	near base						
25							
	- weak QZ+DO stringers		25.5	26.2	0.7	197011	
26	with Trace PY.						
	- MS+HE alt'n No Sx		26.2	27.4	1.2	197012	
27							
	- Numerous DO stringers		27.4	28.8	1.4	197013	
28	< 5mm + minor Vein Bx.						
29							
30							
31	- Bottom of MS alt'n - grading		31.9	33.0	1.1	197014	
32	to strong HE alt'n. DO						
	stringers and crackle Bx.						
33							
34							
35							
36							
37							
38							
39							
40							

PAGE 5 OF 8 | PROJECT FAWN | HOLE FWN 97-01

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CY	DO	CA	SI/EP	FRACTURE INTENSITY
40			DO. CA stkwk QZ	30°	40.3 - Pale Light Green to Brown-Red							5
41	98	73	DO	30°	52.3 Mottled coloured Lapilli-Ash Tuff							10
			DO Slicks	70°	Variably coloured throughout due							
42				0°	to varying degrees of sericite							5
			CY	45°	and hematite. Dolomite/calcite							7×0
43	102	38			stringering at shallow angle TCA							
					from 46.1 – 49.4 m.							15
44					46.1 – 49.3 Mod. crackle textured						SI	
					foliation with Hematite along							
45					very fine fractures.							10
46	98	26			Fragments commonly < 1 cm,							
					but also up to 5 cm							7×0
47					- Stringers commonly in fault							
					slips							5
	104	33	DO str.	15°								7×0
48				28°								
			DO Crackle BX									20
49	95	59										
50	74	40		30°	52.3 - Med-dk Green Ash-Lapilli Tuff							
				35°	53.7 Variably med-dk green with varying							
51	96	33	ft HE Str	30°	textures from lapilli (< 1 cm)							
					to coarse ash. Minor calcite							
52					stringers throughout.							
53	110	92			Strong calcite alteration and							5
					weak to moderate epidote							
54												
				80°	53.7 - Mottled Pale Green to Brown-Red							
55	62	46	crackle		57.1 Lapilli-Ash Tuff							10
					Highly variable colouring due to							
56					varying amounts of hematite alteration							
	96	49	str. Py	15°	Very fine "crackle" texture foliation							10
57					with HE along fractures							7×0
	83	31										
58					57.1 - Variably Pyritized Lapilli Tuff.							10
	90	56			58.8 - Light green to weak red brown to							
59					med grey. Lapilli fragments up							7×0
	101	100			to 4 cm. Dark grey zones							
60					due to increased pyrite.							10

PAGE 6 OF 8	PROJECT	FAWN	HOLE FWN 97-01

	MINERALIZATION DESCRIPTION	% TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
40							
41							
42							
43							
44	5 Cm Schistied zone with Trace PY		44.2	44.7	0.5	197015	
45							
46							
47	Strong fracture fol'n. "Crackle"		47.6	49.6	2.0	197016	
48	texture, DO veining assoc. w/ faulting. Trace Pyrite with Quartz in						
49	stringering						
50							
51							
52							
53							
54							
55							
56	"Hanging wall" of pyritized zone. Trace Pyrite near base		56.0	57.1	1.1	197017	
57	of interval						
	- Top 10 cm of 5% Pyrite		57.1	58.8	1.7	197018	
58	in patches + disseminations, 5%						
	parralleling 15° TCA Do Stringers						
59	- Bal. of interval = MS, HE, Tr PY.						
	- Strongly Pyritized 7-10%		58.8	60.15	1.35	197019	
60	with locally 15% PY. Diss.						
	+ Fracture controlled Pyrite						
	Strong Fracturing @ 10-30° TCA						
	with QZ-PY, Patchy, Creamy DO						

PAGE 7 OF 6 | PROJECT FAWN | HOLE FWN 97-01

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CY	DO	CA	SI / TEP	FRACTURE INTENSITY
60			Fr	/25	58.8 - Med. Grey Sericite altered and							
61	89	82	Fr PY	/30	60.15 Pyritized Lapilli Tuff.							10
62	98	36	Fr QZ PY	/50 /45 /30	- med grey with lighter green-grey lapilli Tuff. Less PY = lighter color							
63	100	79			- Fragments remain distinct with strong MS alt'n & pyritization							10
64					- Strong fracture fol'n at 10-30° TCA. Fracture fill commonly of QZ-PY-Very Patchy creamy							
65	102	76	DO BX	/65 /15	DO. PY disseminated throughout							
66			Str QZ-CA	/45	Faulted (?) rubbly basal contact						TEP	
67	98	90			60.15 - 61.9 Pale Green Sericite Altered Lapilli Tuff. - Light grey-green with minor HE altered zones. Angular fragments up to 3 cm. Weak fracturing Patchy pyrite (3%) near base							60
68												
69			Str CA, HE	/30 /30								
70	111	87			61.9 - 63.0 Med Grey Sericite altered and Pyritized Lapilli Tuff. (as per 58.8 - 60.15)							
71					- Strong fracture fol'n & increased vuggy quartz stringering - 15 - 35° TCA							
71.9		EOH			- Quartz & pyrite stringers display growth texture (very weak cockscomb) - Vein bx with QZ, PY, creamy DO.							
					63.0 - 65.5 Red-brown Hematite Altered Lapilli Tuff - med to dark red brown with Lapilli fragments up to 4 cm. - Transitional contact from above unit MS+PY → MS → HE ± MS - Minor DO bx zone 64.8 - 65.1 m							
					65.5 - 71.9 Dark Green Andesite Lapilli Tuff - Dark-med green - Lapilli fragments up to 10 cm. - Minor fragments with Augite phenos - Strong calcite & mod. epidote alteration. Ca+Epidote Amygdules - Minor calcite & calcite-hematite stringers							
					EOH 71.9m							

PAGE 8 OF 8	PROJECT FAWN	HOLE FWN 97-01

MINERALIZATION DESCRIPTION	% TOTAL SULPHIDE (3 6 9)	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
60 - Trace diss. PY in upper section		60.15	61.9	1.75	197020	
61 5% PY in 0.5cm stringer @ 60.95m 3% PY dissem + patchy in basal 25cm.						
62 - Strongly fractured with Qz + DD veining + PY Dissem PY. - Vuggy Qz PY 7-10% 15% PY 62.5-63.0m.		61.9	63.0	1.1	197021	
63 - Strong MS grading into Strong		63.0	64.0	1.0	197022	
64 HE. as Footwall Alteration						
65						
66						
67						
68						
69						
70						
71						
71.9 E.O.H.						1

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: FAWN WKM 97-06	COLLAR ELEVATION: 1528.7
HOLE: FWN 97-02	AZIMUTH: 250°
LOCATION: 8+72 N, 2+40 E	DIP: -45°
LOGGED BY: J. Lehtinen	LENGTH: 68-3
DRILLED BY: Falcon Drilling	HORIZONTAL PROJECTION:
ASSAYED BY: Chemex	VERTICAL PROJECTION:
CORE SIZE: BQTW	
DATE STARTED: march 31/97	DATE COMPLETED: April 1/97

DIP TESTS BY

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
62-5	-47°	/			

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

SUMMARY LOG

Target:

0.0 - 3.05 - Casing
3.05 - 8.20 - Strongly oxidized MS-HE altered Ash-Crystal Tuff
8.20 - 14.4 - Andesitic Lapilli Tuff
14.4 - 20.85 - Variably HE-MS altered Lapilli Tuff
20.85 - 48.3 - Andesite Lapilli Tuff ± Ash Tuff. minor HE altered sections - Strong oxidation + fracturing 28.95 - 33.1
48.3 - 52.2 Strong Fault in CY+MS altered Lapilli Tuff
52.2 - 63.6 - MS + CY altered Lapilli Tuff
63.6 - 64.9 - Strong Fault & Breccia Zone
64.9 - 68.3 - Andesite Lapilli Tuff

PAGE 1 OF 8 | PROJECT FAWN | HOLE FWN 97-02

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	EP	FRACTURE INTENSITY
0					0.0 – 3.05 Casing – Sericite alt'd Lapilli tuff in basal 40cm					
1										
2	CASING									>40
3					3.05 – 8.2 Strongly Oxidized Sericite – Hematite altered Ash-Crystal Tuff – Extremely fractured with Limonite (Fe stained) fracture surfaces & pervasively throughout core – Rare unoxidized intervals with MS & HE altered ash-crystal tuff. – Trace Pyrite – Unoxidized med-dk green Strong CA altered andesite (tuff?) from 5.8 – 6.4 m					
4	96	8								>40
5										
6	89	31								5
7										>40
8			Str Qz 2cm CA	50						8
9	98	73		60						
10					8.2 – 14.4 Med-dark green Andesite Lapilli Tuff – Med to dark green with minor hematite altered zones – Lapilli fragments less distinct that altered units. – Fragments with diffuse boundaries & commonly porphyritic – Fine < 2mm CA stringers common ± HE					
11										
12	103	80	Str CA	25						
13			Fr	40						
14			Str Qz = CA Qz	20 35						
15	99	61			14.4 – 20.85 Light Green-Grey to Red Brown Lapilli Tuff – Variably coloured due to varying degree of HE and MS alteration Lapilli Fragments angular to subrounded. Commonly fine grained to aphanitic & porphyritic Weak DO stringering. Fragments up to 8 cm. HE along micro-fractures					
16			Str Hz	55 45						
17										
18	103	69		50						
19										
20										

PAGE 2 OF 8	PROJECT FAWN	HOLE FWN 97-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
Highly oxidized - Strong Fe Stain - Tr. PY in Strong Sa. altd Crystal/Ash Tuff - Strongly fractured		3.05	4.50	1.45	197023	
Thin (<1cm quartz stringers with minor pyrite + Trace GN.		13.4	14.7	1.30	197024	

PAGE 3 OF 8 | PROJECT FAWN | HOLE FWN 97-02

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	EP	FRACTURE INTENSITY
20			F-M CA	60	20.85- Med - Dk green Andesite Lapilli Tuff.					5
21	97	86			- Med. green with locally HE altered patches. Lapilli fragments up to 5 cm. Variable composition of fragments, sub-angular to sub-rounded					
22			Str							
23			CA, HE	40	- Thin calcite stringers + minor HE Stringers					
24	101	102								
25										
26										
27										
28	99	96	CA HE	30	28.95- Med - Light Green Lapilli - Ash Tuff.					
29				25	33.1 - Med - light green to extremely iron oxide stained, strongly fractured. Very fine "crackle" texture @ 30.5 m					
30	85	46	Fr "Crackle"	40						30
31				40						
32			DO	30	33.1- Med - Dk Green Andesite Lapilli Tuff.					
33					med - dk green. Lapilli fragments. Less distinct, Large blocks? up to 15 cm					
34	96	72			- Porphyritic fragments.					8
35					- Possibly flow + flow bx in part.					
36	102	96			- Weak calcite ± HE. ± DO. - Very Strong HE alteration @ base of interval.					
37										
38										
39	90	70	Stngs CA + HE	40 60 12						
40										

PAGE 5 OF 8	PROJECT	FAWN	HOLE FWN 97-02

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS					
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												

PAGE 5 OF 8 | PROJECT FAWN | HOLE FWN 97-02

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	EP	FRACTURE INTENSITY
40			Strgly CY DO	30°							
41	90	36									
42											
43	115	108									
44											
45	98	59	Slig CY	30°							
46											
47	99	85	Str DO, HE	17	48.3 - 52.2 Strong fault in Clay & Sericite Altered Lapilli Tuff. 30° Fault gouge and rubble, light-med grey. Weak fault foliation @ 20-30° TCA.						
48											
49	74	33									150
50											
51					52.2 - 63.6 Pale Green Sericite and Clay Altered Lapilli Tuff. Colours variable due to clay, sericite and hematite alteration of Lapilli - tuff. Lapilli fragments not as common & are partly obliterated by intense alteration - Fracturing increasing downsection approaching the lower fault. - Fracturing commonly @ 50-55° TCA & Lesser 15-20° TCA.						
52	91	14									
53											15
54			Fr	15							
55	93	36		50							
56											10
57			Fr	50							
58	101	72									
59				50							
60											

PAGE 6 OF 8	PROJECT FAWN	HOLE FWN 97-02

	MINERALIZATION DESCRIPTION	% TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
46							
47							
47							
43							
44							
45							
46							
47							
	Intense Hematite Alt'n @ top of sample						
48	with 3-5% Pyrite near base. PY-dissem		48.0	50.0	2.0	197025	
49							
50	Fault-Brecciated with dissem.		50.0	52.2	2.2	197026	
	PY in Fragments and in						
51	stringers < 5mm - Strong MS						
	Alt'n.						
52			52.2	53.2	1.0	197027	1
53							
5							
54							
55							
56	Hairline micro fractures with		56.9	58.5	1.6	197028	
	PY + dissem PY in MS. Alt'n.						
57	Rare Patchy PY clusters - Minor DD PY Veins		58.5	59.3	0.8	197029	
58	- MS above (clay gouge at top of interval)						
59							
60							

PAGE 7 OF 8 | PROJECT FAWN | HOLE FWN 97-02

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY		FRACTURE INTENSITY
60				15	63.6- FAULT.						
61	83	12			64.9 Gouge + Breccia Zone of Sericite and clay in part weakly cemented with calcite						40
62				70	weak foliation @ 50° TCA						70
63	60	0									
64	63	0									
	71	39		50°							>50
65				Str. DO1 PY							
	100	48			64.9- Med- dark Grey + Green-Grey 68.3 Andesite, Lapilli Tuff						10
66				60	Grey to green-grey, with lighter altered zones.						
67	90	46			Lapilli fragments indistinct to rare → Possible flow?						15
68	97	0		40	At contact with fault = 50° TCA foliation at fine DO + PY stringering						
68.3 E.O.H.					Fracturing commonly 40-60° TCA						
					68.3 E.O.H.						

PAGE 8 OF 8	PROJECT FAWN	HOLE FWN 97-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
60 - Strongly fractured with PY-DO		60.7	62.5	1.8	197030	
61 along fractures. ~1% PY						
62 - Intensely fractured with PY + DO stringers		62.5	64.0	1.5	197031	
63 PY ~1-3% as dissem. +						
< 2mm stringers						
64 - Fault gauge + Breccia		64.0	64.9	0.9	197032	
with dissem PY in fragments						
65 and in thin stringer/slips						
1% PY						
66						
Trace Pyrrhotite						
67						
68						
68.3 E.O.H.						

EQUITY ENGINEERING LTD.

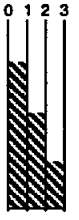
DRILL LOG

PROJECT: FAWN	COLLAR ELEVATION: 1478.3
HOLE: FWN 97-03	AZIMUTH: 180°
LOCATION: 8+82 N, 4+71 E	DIP: -45°
LOGGED BY: J. LEHTINEN	LENGTH: 89.9m
DRILLED BY: FALCON DRILLING	HORIZONTAL PROJECTION:
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION:
CORE SIZE: BQTW	
DATE STARTED: April 2/97	DATE COMPLETED: April 3/97
DIP TESTS BY: ACID	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
89.9	-44	—			

OBJECTIVE

ALTERATION SCALE



absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

Target:

0-1.52 Casing
1.52-9.7 Andesite Flow
9.7-41.4 Andesite Lapilli Tuff
41.4-47.8 MS ± HE altered Lapilli Tuff
47.8-50.5 Andesite Lapilli Tuff (Flow?)
50.5-56.0 MS altered Lapilli Tuff
56.0-63.15 MS ± HE altered Lapilli Tuff
63.15-67.6 MS altered Lapilli Tuff
67.6-74.1 MS altered Lapilli Tuff (Fault parallel to C.A.)
74.1-77.0 MS altered Lapilli Tuff
77.0-81.5 MS altered Lapilli Tuff. QV. Breccia zone // to C.A.
81.5-83.6 MS altered Lapilli Tuff
83.6-84.9 HE altered Lapilli Tuff
84.9-89.91 Andesite Lapilli Tuff

PAGE 1 OF 9

PROJECT FWN

HOLE FWN 97-03

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	EP	FRACTURE INTENSITY
0					0 – 1.52 Casing					
1	CASING									
					1.52 – Andesite Flow					
2	36	16			9.7 - Very Blocky ground. Unoxidized sections with med. green-grey fine grained volcanic. Finely stringered CA, EP, QZ veining					50
3					- Unaltered fragments strongly magnetic					
4	20	0								
5	22	0								
6	74	18								
7	95	0	CA STR	45						
	76	11	EP							
8	65	35	Str 3cm QZ	90°						
	97	194								
9	138	0			9.7 - Med – Dark Grey Andesite					
	90	361			41.4 Lapilli tuff					10
10	89	39			- Overall Dark grey with lighter altered sections.					
11					- Calcite alteration throughout.					
12	114	82			- Lapilli fragments heterolithic varying from aphanitic to porphyritic commonly < 1.0 cm but up to 10 cm.					
13	82	60			- Weak epidote alteration					
14	135	220			- Fine calcite stringering					5
15					- Magnetic throughout.					
16	98	103								
17			FV	45						
18	105	120								
19										
20										

PAGE 2 OF 9	PROJECT FAWN	HOLE FWN 97-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS					
0											
1											
2											
3											
4											
5											
6 - Trace - 1% disseminated PY in MS altered volc. +		6.40	8.23	1.83	197083						
7 QZ veining < 3cm Strongly broken core											
8											
9											
10											
11											
12											1
13											
14											
15											
16											
17											
18											
19											
20											

PAGE 3 OF 9 | PROJECT FAWN | HOLE FWN 97-03

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	IN E	CA			EP	FRACTURE INTENSITY
20												
21	100	60										
22												
			Fr	40								
23	94	58										
24												
25	102	111										
			Fr CA	10°								
26												
27	109	139										
28												
29	101	39										
			Fr CA	5°								
30												
31												
32	94	42										
33												
34	105	128	Fr CA	20								
35												
36	94	79	CA									
37												
38	98	50	CA									
39												
40												

PAGE 4 OF 9 | PROJECT FAWN | HOLE FWN 97-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						

PAGE 5 OF 9 | PROJECT FAWN | HOLE FWD 97-03

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	EP	FRACTURE INTENSITY
40											
41	111	73	PY		41.4 - 47.8 Light Grey - Green to Red-Brown Sericite altered Lapilli Tuff. - Dominantly pale green with patchy Red brown colouring. - Lapilli fragments up to 5cm. - Increasing fracturing and Dolomite stringering - Minor Quartz.						10
42			QZ Slip	40° 45°							
43	104	83	DO Str	45°							
44			DO Str	50° 40°							
45	101	74									
46											
47			DO Str								
48					47.8 - 50.5 Andesite Lapilli Tuff. - Possibly Flow. - Minor indistinct fragments - Dark green-grey - Increased dolomite Stringering and alteration @ base - Strongly magnetic where unaltered.						
49	102	0	CA	20°							
50			Str DO PY HE	30°							
51											
52	87	48	Fr fol'n	40°	50.5 - 56.0 Light Green, Strongly Broken Sericite and Clay altered Lapilli Tuff - Pale green with minor grey (pyritic) & red-brown (HE) zones - Strongly DO stringered as fracture fill - erratic stringers						7/m
53			DO								
54			QZ DO	65°							
55	101	54	DO	65°							
56			Slip	60°	56.0 - 63.15 Sericite & hematite altered Lapilli tuff. Increased HE alt'n. - Porphyritic zones = xtal tuff.						
57			Do	70°							
58	101	69	DO	60°							
59											
60			DO	60°							

PAGE 7 OF 9 | PROJECT: FAWN | HOLE: FWN 97-03

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CA	CY	FRACTURE INTENSITY
60										
61	99	48	Fr CA	30	63.15- 67.6 Sericite Altered Lapilli Tuff - Pale Green + with - hematitic mottled colour. - Entire unit is strongly fractured with intense DO stringering, all < 3mm. - Minor quartz stringerings					10
62			DO QZ	0						
63	106	71	QZ HF Slip CY	30 40						
64										
65										
66			Slip Fr.	35 35						
67	99	44			67.6- 74.1 Sericite Altered Lapilli Tuff - FAULT: Interval follows a fault which hosts light to dark grey brecciated vein quartz which has been cemented with ① Grey quartz and ② a later stage of creamy white dolomite. Pyrite appears related to ① the cementing quartz. - Clay along fracture surfaces					
68										
69	165	74								
70										
71										
72	59	38								
73										>40
74					74.1- 77.0 Sericite Altered Lapilli Tuff - Very strong MS alteration of Lap. Tuff - Med. → light grey-green - Relatively unfractured with little stringering. Fracturing increased from 76.2 - 77.0m					
75										10
76	129	85	Fr	35						
77			Fr	0	77.0- 81.5 Sericite Altered Lapilli Tuff with Quartz Vein Breccia along Core Axis. - Core axis follows fracturing + Quartz vein Bx - Vein Bx from 77.6 - 79.7m Vein QZ fragments med-dk grey. Angular to sub-rounded. - Silica cemented, then DO. stringered + cemented.					>40
78	121	0								
79	72	26								
80										

PAGE 6 OF 9	PROJECT FAWN	HOLE FWN 97-03

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
40	Trace Py assoc. w/ Qz-Do						
41	stringers + finely dissem in		41.8	43.1	1.3	197034	
	alt'd. Tuff						
42							
43	Numerous Do stringers ± Py		43.1	44.7	1.6	197035	
	as v. fine diss.						
44	Trace Py with stringers		44.7	46.2	1.5	197036	
45	Do ± Qz						
46	Trace Py with Do+Qz		46.2	47.3	1.1	197037	
	stringers						
47							
48							
49							
50							
51	Fault + fracture zone with		51.7	54.0	2.3	197038	
52	numerous Do stringers						
	with 1 - 10 cm Qz bx.						
53	vein - finely dissem Py in vein.						
	finely dissem in alt'd wallrock.						
54							
55							
56							
57							
58							
59							
60							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
Very strongly fractured with DD stringers throughout. Minor < 2mm Pyrite stringers, Trace diss Py		63.15	65.53	2.38	197039	
-As Per Sample 197039. but trace Py.		65.53	67.6	2.07	197040	
-Py in quartz as stringers + diss		67.6	70.41	2.81	197041	
- Min diss py in wall rock. Fracturing + QZ Bx paralleling C.A.						
-Py. in stringers & QZ in Fracture paralleling C.A. ± 3cm width PY - Tr → 3%		70.41	74.1	3.69	197042	
-Increased fracturing (along C.A.) 3-5% PY as fragment replacement + diss. throughout		76.2	77.0	0.8	197043	
- Strong fracture along C.A. 77.60 - 78.9 = QZ. Bx with PY ± SP(?) in stringers along fracture		77.0	78.9	1.9	197044	
- 78.9 → 79.7 = QZ Bx - Continuation of above, with 1-3% diss. PY in 79.7 - 81.5 m section		78.9	81.5	2.6	197045	

PAGE 9 OF 9 | PROJECT FAWN | HOLE FWD 97-03

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY		BD	FRACTURE INTENSITY
80												
81	123	0			81.5 – Sericite Altered Lapilli + Ash Tuff							240
					83.6 – Dominantly pale green with patches up to 10 cm of HE.							
82			DO	15°	– Angular Fragments up to 2 cm							10
	94	63			– Zones of ash tuff :-							
83												
					83.6 – Hematite Altered Lapilli Tuff							
84					84.9 Fragmental + Amygdaloidal (frags)							
					– Clay altered zone at base							
85	103	51	DO, HE	20	paralleling 1 cm dolomite stringer							
					@ ≃ 5° TCA							
86			slip	35°								
					84.9 – Andesite Lapilli Tuff							
87					89.91 – Dominantly Propylitic altered							
					Lapilli Tuff							
88	100	66	DO	25°	– Minor HE altered zones							
					– Fragments up to 12 cm							
89			str DO	46°	– Minor < 5mm QZ or QZ-DO stringers							
					– Moderately Magnetic							
89.91												
E.O.H.												
					E.O.H 89.91							

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: FAWN	COLLAR ELEVATION: 1457.2
HOLE: FWN 97-04	AZIMUTH: 180°
LOCATION: 7+68 N, 5+70 E	DIP: -45°
LOGGED BY: J. LEHTINEN	LENGTH: 100.6m
DRILLED BY: FALCON DRILLING	HORIZONTAL PROJECTION:
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION:
CORE SIZE: BQTW	
DATE STARTED: April 4/97	DATE COMPLETED: April 5/97
DIP TESTS BY: Acid → Faulty Test	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM

OBJECTIVE

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

Target:

0 – 3.05 Casing
3.05 – 4.57 HE+MS altered Lapilli Tuff
4.57 – 5.79 MS altered Lapilli Tuff
5.79 – 10.1 HE altered Lapilli Tuff
10.1 – 16.76 MS altered Lapilli Tuff
16.76 – 18.7 HE altered Crystal Lapilli Tuff
18.7 – 19.81 – Andesite Flow
19.81 – 24.90 – HE altered Andesite Flow ± Ash Lapilli Tuff
24.90 – 28.30 – Andesite Flow Breccia
28.30 – 31.8 HE altered Ash/Lapilli Tuff
31.8 – 33.4 MS/CY altered Lapilli Tuff
33.4 – 40.7 MS + PY altered Lapilli Tuff/QZ Stringers 37.9 – 40.7
40.7 – 43.9 – HE altered Lapilli Tuff
43.9 – 52.50 MS + CY altered Lapilli – Ash Tuff
52.50 – 55.4 MS-HE altered Lapilli Tuff
55.4 – 56.1 Andesite Lapilli Tuff
*56.1 – 59.8 – Strongly fractured/Stringered Zone with QZ stringers PY, AS, ± CP
59.8 – 65.6 – Fault Zone in MS, CY + Brecciated Lapilli Tuff
65.0 – 81.5 MS altered Lapilli Tuff – Blocky & strongly fractured
81.5 – 86.0 Quartz Feldspar Porphyry Dyke
86.0 – 90.4 MS+CY altered Ash Tuff
90.4 – 91.1 Andesite Ash Lapilli Tuff
91.1 – 94.1 Andesite Flow
94.1 – 98.0 Andesite – Lapilli Ash Tuff

PAGE 1 OF 13 | PROJECT FAWN | HOLE FWN 97-04

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	EP	FRACTURE INTENSITY
0					0 - Casing						
1					3.05						
2	CASING				3.05 - Strongly Oxidized HE + MS altered						
3					4.57 Lapilli Tuff						
4	89	14	Rubble		- Extremely iron stained + strongly fractured -						40
5	70	0			- Lapilli commonly < 1cm.						
6	89	38			4.57 - Sericite Altered Lapilli Tuff						5
	187	145			5.79 mod grey matrix, light grey-beige						
7	97	68			fragments up to 5cm. MS + CY						
					Altered. Tr diss. PY						
8					5.79 - Hematite altered Lapilli Tuff						
9	97	69			10.1 - Variable alteration decreasing at the						
					interval boundaries. Strong HE =						
10			Py Stgs		dark red-brown. Fragments up						
					to 5cm, angular to rounded.						
11	90	0	FY	15	Fragment composition from aphanitic						20
					med. grained						
12	84	25	FY PY & GN 5%	20 5cm	10.1 - Sericite Altered Lapilli Tuff						
					16.76 - Med Grey matrix with light						
			PY, SP.	FY 15	creamy-green fragments						
13	116	80			- Angular to irregular shaped						5
					fragments up to 10cm set						
14					in a fine ash matrix.						
					- Minor brecciated, vuggy zone @						
15	101	81			11.45 - 11.60m @ 20° TCA. Tr. GN+						
					SP. - Weakly Silicified.						
16											
			DO 1mm	20	16.76 - Hematite altered Crystal-Lapilli Tuff						
17					18.7 - Variably HE altered with zones						
					of MS alteration.						
18	105	47			- Crystals up to 2mm, light coloured						12
					(Sericite) in sericite/hematite matrix						
19					- Lapilli fragments less common						
20					18.7 - Dark Green Andesite Flow.						
					19.81 - Propylitic altd flow with minor						
					flow bx frags. - Corroded frag.						
					boundaries. Porphyritic fracs.						
					- weakly magnetic						

PAGE 2 OF 13 | PROJECT FAWN | HOLE FWN 97-04

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
0							
1							
2							
3							
4							
5							
6							
7							
8							
9	Fine-gr. Py disem throughout, <1% with up to 3% conc. near < 3mm		9.7	11.3	1.6	197046	
10	QV stages in fracture fill.						
11	Silicified, breccia zone (5cm) with minor vuggy fractures. Tr SP+GN		11.3	12.9	1.6	197047	
12	Pyrite Tr-1% overall						
	- Trace Pyrite overall with		12.9	14.3	1.4	197048	
13	concentrations up to 1% paralleling fractures						
14	- Trace pyrite overall with		14.3	15.8	1.5	197049	
15	"Pyrite front" (alteration) at 15.4-15.5m						
16							
17							
18							
19							
20							

PAGE 3 OF 13 | PROJECT FAWN | HOLE FWN 97-04

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CA	CY	GY ?	EP	FRACTURE INTENSITY
20					19.81 - Hematite altered Andesite Flow?							
21					24.90 ± Ash Lapilli Tuff.							
	100	97			- Weak to moderately HE altered							
22				12°	Flow/Tuff?							
					- Minor fragments & "grainy" intervals							
23			QZ 4cm	80	- Minor propylitic altered intervals							
					- Dolomite Stringering common							
24					throughout - milky DO x-cuts							
	102	88	DO 1cm	90 / 30	<0.5mm QZ stringers							
25				Str DO								
					24.90 - Andesite Flow Breccia - Med							
26					28.30 Green.							
			CA	12°	- Fragments are monolithic and							
27			PX	50	appear of identical composition							
	98	30			to the matrix ⇒ Weakly porphyritic							
28					with pale plagioclase phenos							
					- Fragments up to 2cm.							
29			DO Stngrs									
					28.3 Hematite Altered Ash/Lapilli Tuff							
30					31.8 - Grading downwards from ash to							
					Lapilli Tuff.							
	106	71	1cm QZ-DO	50	- Dolomite stringering paralleling							
31			QZ-DO Str	30	core axis (weak stockwork <2mm stngrs)							
					-							
32					31.8 - Sericite Clay Altered Lapilli Tuff.							
33					33.4 - Pale Green frags & matrix. Trace							
					HE alteration							
34	100	72										
					33.4 Pyritized, Sericite Lapilli Tuff.							
35			QZ		-37.9 As above, but with "Swirl texture"							
					pyrite paralleling Sericite or Gypsum as erratic							
36					veining. Appears to be an alteration							
	104	77			front. - 35-35-35.47 - HE altered,							
37				33								
			1cm QZ-PY		37.9 - Sericite Altered Lapilli Tuff							
38			Vuggy		40.7 - Med gray-green due to dissem PY							
			2.5cm QZ	35 / 55	Numerous Pyritic QZ stringers (vuggy)							
39	93	75	QZ-PY	90	with dissem PY all <1cm.							
40												

PAGE 4 OF 13	PROJECT FAWN	HOLE FWN 97-04

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE %	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
29 * 34.5m - Sample for thin section (QZ stringer						
30 + alteration banding)						
32 - Banded + diss. pyrite						
Strongly pyritized with PY surrounding						
33 <1mm ash fragments + d/s Py as		33.4	35.1	1.7	197050	
fine <1mm stringers. The pyrite						
34 alteration appears with pale orange -						
beige mineral which may be						
35 sericite or gypsum. (scratchable						
with thumbnail - with difficulty)						
36 or some mixture of both -						
Banding appears to be						
37 Pyrite alteration - Minor QZ string						
- 32.1 - 39.2 - As per 197051		37.1	39.2	2.1	197051	
38 Also includes vuggy QZ-PY						
Stringers 38.7m → 35° TCA						
39 38.85 → 75° TCA, 39.2m 40° TCA						
- Strongly fractured MS/CY altered		39.2	40.7	1.5	197052	
40 zone. Weak DO. Stringers						
Trace Diss. PY						

PAGE 5 OF 13 | PROJECT FAWN | HOLE FWN 97-04

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	FP	FRACTURE INTENSITY
40					40.7 Hematite Altered Lapilli Tuff						
41					43.9 - Mottled red-brown to pale green colour due to Hematite content.						5
42	107	66			- Lapilli fragments commonly remaining pale colour.						15
43					- Minor QZ stringer (2cm) 95° TCA with 10% bandal PY @ 41.5m						
44					- Minor Pyrite paralleling cleavage/fracture						
45					43.9 - Sericite and Clay altered						
46	106	47	Bed	65°	47.50 Lapilli - Ash Tuff						25
47			Fr DO	10 50	- Overall light green to grey green with minor zones of HE alteration and pyrite alteration						
48			4cm QZ		- mixed Ash & lapilli tuff beds - @ 45.8m → bed = 65° TCA						
49	101	70	QZ 2cm +Slip	55	strongly Pyritized zone over 35 cm marginal to QZ stringer @ 48.8m						5
50											10
51	96	42	QZ DO/QZ	80 60							
52			QZ DO	20 25	52.50 - Hematite/Sericite altered Lapilli						15
53			QZ DO		55.4 Tuff. Patchy red-brown to light green. Fragments are indistinct due to alteration surrounding significant stringering and fracturing. Tail < 1cm						
54			QZ	60							10
55	94	51	HE DO	80 30							
56					55.4 - Andesite Lapilli Tuff						25
57					56.1 - Dark green propylitic Alt'n - Minor Hematitic fractures						5
58	160	105	*		56.1 * - Strongly Fractured Zone 59.8 - Fractured and stringered with ~ 5% Grey Quartz and Quartz breccia.	*					25
59											
60											

* See detail log next page for mineralized zone

PAGE 6 OF 13	PROJECT FAWN	HOLE FAWN 97-04

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
	- Fracture paralleling C.A. + QZ		46.5	47.5	1.0	197053	
47	Stringer @ 30° TCA Tr. Py						
48	- Pyrite alteration margin surrounding		48.5	49.0	0.5	197054	
49	3cm fault slip /QV/ with vfg. Py						
50	- DO stringers + CY gouge filt		49.5	50.8		197055	
	Zone. Trace Py						
52	- Py alteration of sericite altered,		50.8	52.1	1.3	197056	
	mod. fractured + DO stringered						
53	Tuff. Irregular veining, minor						
	QZ, Vuggy fractures						
54	(Alteration similar to sample 197051)						

PAGE 7 OF 13 | PROJECT FAWN | HOLE FWN 97-04

Detail of mineralized Zone

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CA	CY	FRACTURE INTENSITY
55										
	94	51			56.1 - 56.3 Sericite and Clay alt'd Lapilli Tuff - Pale green, weak DO filled fractures					
56					56.3 - 57.2 Quartz Stringer Zone: Strongly broken Lapilli Tuff with quartz stringering & minor DO stringers					
			DO		QZ @ 60° TCA @ 56.6					
			QZ	60	65° - 57.0m vuggy AS, PY					
57				65	25° 57.15m vuggy SP, PY					
			QZ	25	50° - 57.35m vuggy SP, PY					
			QZ/DO	50	Strong basal contact @ 50° TCA					
			QZ							
58	140	105			57.2 - 57.6 Sericite alt'd Lapilli Tuff minor DO Stringers					
			Fract. + QZ							
			+SX	35						
			QZ		57.6 - 58.7 Sericite altered Lapilli Tuff. - Moderately, vuggy quartz stringered & mod. fracture foliated & Pyritized					
			QZ	5						
59			Fract. fol'n + HE							
					58.7 - 59.4 Sericite & Hematite altered Lapilli Tuff. - Strong fracture fol'n @ 50° TCA					
			QZ fract fol'n 55° + SX							
					59.4 - 59.8 - Sericite Alt'd Lapilli Tuff - Mod grey due to Sulphide Content - Strong fracture fol'n @ 55° TCA					
60										
	93	22		50	1/mm QZ stringers, dark grey hairline SX stringers. AS stringer (very fine)					
61				30						
					59.8 - 61.7 Sericite / Clay / Hematite altered Lapilli Tuff Light grey-green to mottled red-brown - Fracture foliated @ 50° TCA - Becoming increasingly Rubbly brecciated & clay gouge / altered toward base of interval faulting @ 50 - 55° TCA					
				45						
	169	16	DC	30						
62										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
55						
56 – Grading from 1-2mm DO + QZ Stringers at top to QZ ± DO near base PY as dissem + stringers - AS dissem QZ = vuggy + up to 3cm near base. Sharp basal contact. DO. post dates		56.3	57.2	0.9	197057	
57 QZ. Drusy cavities with QZ + late DO. – Trace PY as dissem.		57.2	57.6	0.4	197058	
– Drusy Cavities in QZ Stringers		57.6	58.7	1.10	197059	
58 PY. f.g. parelleling veining + As < 1mm stringers. Tr AS, GP String fract. fol'n with assoc. stringers						
– Strong fracture fol'n (Wo Sx)		58.7	59.4	0.7	197060	
59						
– Very strong fracture fol'n. with assoc. PY ± As stringering.		59.40	59.8	0.4	197061	
60 Dissem. PY Throughout – MS → HE → CY altered + fault brecciated. Tr. PY		59.8	61.5	1.7	197062	
61						
– Fault zone, Fault Bx + clay altered. Tr. PY		61.5	62.4	0.9	197063	
62						

PAGE 9 OF 13 | PROJECT FAWN | HOLE FWN 97-04

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	ALTERATION HE	ALTERATION CA	ALTERATION CY	FRACTURE INTENSITY
59.8–65.0					Fault Zone in Lapilli Tuff - Light Grey-green; Extremely MS-Clay altered & variably brecciated throughout. Competent zones with DO. stringering and associated QZ stringering. Some QZ stringering appears to cut the fault zone - Sphalerite assoc. with QZ stgrs.					
65.0–81.5					Sericite Altered Lapilli Tuff. - Entire zone is strongly broken & blocky with numerous minor slips, generally clay coated. - DO & to a lesser extent QZ veining occurs as thin stringers & vuggy zones. Stringers commonly < 2mm. Pyrite flakes surround zones of stronger QZ±DO stringering. 65.0 – 67.8 Numerous strong Clay slips					
60										
61	93	22								
62	107	16								
63										
64	108	12								
65										
66										
67	109	5	QZ							
68	95	61								
69			QZ							
70	109	42	DO							
71			DO							
72			QZ-DO							
73	102	48	CA							
74			QZ,DO							
75	118	45								
76			DO							
77										
78	99	47	DO							
79			QZ,DO							
80										

PAGE 10 OF 13	PROJECT FAWN	HOLE FWN 97-01

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
60	(See Previous Page)		59.8	61.5	1.7	197062	
61	"		61.5	62.4	0.9	197063	
62	-Strongly fault bx. - Wak PY Paralleling Slip. - Dissem. PY in frags & gouge		62.4	63.3	0.9	197064	
63	-Numerous < 3mm QZ stringers with PY ± SP. - Stockwork stringering -		63.3	65.0	1.7	197065	
64	Very strongly fault brecciated						
65	- Strongly DO stringered at 45° TCA.		65.0	66.5	1.5	197066	
66	Strongly broken core, numerous fault slips 1% PY overall						
	- Dissem PY in broken core &		66.5	67.4	0.9	197067	
67	remnant QZ stringers up to 1cm in finely stringered core.						
68							
69	-Lapilli tuff rare 2x1cm QV+PY - Thin DO stringers, Tr. PY		69.2	70.8	1.6	197068	
70							
71							
72	-Pyrite Halos surrounding ≈5cm QZ-DO vein with minor PY		72.2	73.0	0.8	197069	1
73	PY in wallrock = 5-7%						
	- Pyrite halos paralleling QZ+DO		73.9	74.8	0.9	197070	
74	stringers. Single CA stringer PY 3% as dissem. in wallrock		74.8	75.9	1.1	197071	
75	- Dissem PY in wallrock & 2 QZ						
	stringers with PY ± SP - Strongly		75.9	77.8	1.9	197072	
76	fractured & stringered						
	- Dissem PY & numerous DO+QZ stringers						
77	- Strong Pyritization of Lapilli Tuff		77.8	79.3	1.5	197073	
	- Competent core with QZ/DO						
78	stringers PY. 3-5%						
79	- Py. as dissem. - Tr		79.3	81.5	2.2	197074	
80							

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CA	CY	FRACTURE INTENSITY
80	124	72	LT	30°	81.5 – Quartz Feldspar Porphyry Dyke					
81			Contact		86.0 Extremely (br, Hle) fractured throughout interval, with a common fracture set at a shallow angle TCA. (20-40°)					5
82	100	39			Groundmass = med orange-brown with widely spaced white (F.S.)					
83	65	0	GEP		phenos up to 2mm + less clear quartz phenos. Light green chlorite					7 10
84	88	0		30	altered mafics? as crude phenos					
	92	0			- Clay + MS on fracture surfaces					
85	73	0		30	- Alteration marginal to fractures					
86	100	0			- Light colour = MS?					
			DO, PY	70	- Upper Contact @ ≈ 30° TCA.					
87				40						8
			DO	13	86.0 – Sericite + Clay altered Mafic Tuff					
88	109	51			90.4 – Pale green, minor bull/red HE alt'n patches.					
89			DO, PY lam	85°	- Very fine grained (texture may be obliterated by alteration)					
				DO	- Becoming coarse with lapilli size frags near base of interval					
90	100	81		DO	- Numerous DO stringers, at top of interval, with CA stringers near base					
91			CA	18						
92	80	16								
93			Younger PO	15	90.4 – Andesite Mafic Lapilli Tuff					
				60	91.1 – Dark green, Magnetic. Chlorite alt'd + CA alt'd. Fragments up to 1cm,					
94					commonly 4mm. Gradational					
	104	86		DO 40	Contact from altered tuff above					
95			CA DO							
96					91.1 – Andesite Flow					
					94.1 Dark green Fine to med grained, variably CA					
97			DO	23 30 45	altered, numerous CA stringers					
	101	90								
98			DO	120°	94.1 – Andesite Lapilli Mafic Tuff					
					98.0 Variably coloured from light to					
99					dark green. Light colour = CA alteration					
					around CA-DO stringers					
100	102	59		33°	- Fragment size commonly < 1cm.					
					(QZ stringer offset by DO)					
100.6										

PAGE 12 OF 13	PROJECT FAWN	HOLE FWN 97-04

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
83 Quartz Feldspar Porphyry - No visible Sx - Strongly fractured - CY+MS		83.82	85.04	1.22	197080	
84 alt'n along fractures						
86 Ash Tuff at footwall contact of the QFP. Minor PY parallel		86.0	87.3	1.3	197081	
87 Y in DO stringers. Sx overall = Trace						

PAGE 13 OF 13

PROJECT FAWN

HOLE FWN 97-04

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY
98.0 – 100.6					- Andesite Flow. - Mottled colour with HE patches & zones in a dominantly med-dk green overall colour - Numerous DO + CA stringers ± HE - Minor fragmental zones. - Magnetic 100.6 E.O.H.		

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: FAWN	COLLAR ELEVATION: 1425.3
HOLE: FWN 97-05	AZIMUTH: 180°
LOCATION: 6+84N 7+18E	DIP: -45
LOGGED BY: J. LEHTINEN	LENGTH: 96.3
DRILLED BY: FALCON DRILLING	HORIZONTAL PROJECTION:
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION:
CORE SIZE: BQTW	
DATE STARTED: APRIL 5/97	DATE COMPLETED: APRIL 7/97

DIP TESTS BY: Acid

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
96.3	-44.5				

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

SUMMARY LOG

Target:

0 - 3.66 Casing
3.66 - 17.2 Andesite Lapilli Tuff
17.2 - 18.7 MS - HE altered Lapilli Tuff
18.7 - 21.9 MS altered Ash Tuff/Lapilli Tuff
21.9 - 22.4 Fault in Ash/Lapilli Tuff
22.4 - 30.2 MS + HE altered Lapilli Tuff
30.2 - 46.35 Andesite Lapilli Tuff
46.35 - 50.50 HE altered Lapilli Tuff
50.50 - 78.0 Quartz Feldspar Porphyry with Quartz Stringering ± PY AS
78.0 - 86.6 Quartz Feldspar Porphyry
86.6 - 89.1 - Mixed QFP + Ash/Lapilli Tuff = Footwall Zone ± QZ ± PY AS
89.1 - 91.7 - MS altered Ash/Lapilli Tuff + QZ stringers ± PY + AS
91.7 - 96.51 Ash + Lapilli Tuff ± minor QZ stringers + TR SP + CP

PAGE 1 OF 13 | PROJECT FAWN | HOLE FWN 97-05

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CA	CY	FRACTURE INTENSITY
0					0 — Casing					
1					3.66					
2	CASING									
3					3.66 - Andesitic Lapilli Tuff					
					17.7 med-dark green					
					- Fragments vary in size up to 5cm and are matrix supported. Zones with coarse ash and rare fragments					
4	37	0								
5	66	0		22°						
	117	50	Ex							
6					- Fragment composition heterolithic aphanitic to porphyritic					
	78	15			- Alteration restricted to propylitic, weak CA alteration.					
7	83	0								
	141	32								
	133	57			Base of interval = gradational contact with 1st appearance of HE then MS. Magnetics lost through HE. zone.					
8			DO, cl 5cm	60						
9	103	39								
10			DO 1cm	65						
11										
12										
13	103	33	MS CA 1cm	0°						
14										
15	98	39								
16			CA/py DO							
17					17.20 - Hematite & Sericite Altered Lapilli Tuff					
					18.70 - Minor HE. near top of interval grading into MS alt'n + weak CY in bottom of interval					
18			DO/py		- Numerous angular fragments.					
	99	47	DO	60°	- Gradational into crystal tuff @ base.					
19					- Minor Quartz stringers @ base.					
			DO	10						
20					18.70 - Sericite Altered Ash Tuff					
					21.0 - Light to med drab green.					
					- fine grained ash grading to crystal Tuff at upper + Lower contacts. Alteration appears to					

PAGE 2 OF 10	PROJECT FAWN	HOLE FWN97-05

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS					
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12											1	
13												
14												
15												
16												
17												
18	Strong MS alt'n with minor <2mm QZ stringers @ top of interval		18.0	20.0	2.0	197075						
19	Weak DO stringers. TR PY											
20												

PAGE 3 OF 10 | PROJECT FAWN | HOLE FWN 97-05

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	EP	FRACTURE INTENSITY
20			DO Qz	35°	20 have obliterated most textural						
			Qz+	85	features.						
21			Qz+ C°	85° to 50° *	- Upper Contact = Clay altered.						10
22	104	64			- Vuggy Silicified Zones @ 20.03 - 20.23						2to
			55°		20.56 - 20.75						
23			DO	90	21.13 - 21.90						
24			DO	45 15	- Zones = Black silicified stringers with Trace PY. Black = Vfg sulphides? or Carbon?						8
25	98	43									
			slip		21.0 - Sericite Altered Lapilli Tuff.						
26					21.9 - Light-med grey green - Silicified Zones (Vuggy) see Above						5
27											
					21.9- Fault.						
28	93	77	DO +HE	75	22.4 Clay altered & Brecciated Sericite Lapilli Tuff						
29			DO +HE								
			DO		22.4- Sericite ± Hematite altered Lapilli Tuff						
30					30.2 - Very Distinct Lapilli Tuff.						
					- Light - Med green - grey with Zones of dark fragments						
31	103	79			- Fragment supported. Angular to subrounded, heterolithic fragments						
32					- Clay altered near top of interval						10
					- Fragments 0.5 to 1.0 commonly						
33			DO								
					30.2- Andesite Lapilli, tuff						
34	97	41	CA		46.35 - Dark green						
			CA		- Compositionally identical to unit above (without sericite alteration)						
35											
36					- Fragments are less distinct in unaltered version						
			CA HE	45°	- Mod - strongly magnetic						
37	95	45	DO, HE		- minor HE. fragments - Minor HE alt'n paralleling stringers.						
38			CA		- Fragment Composition = gabbroic to porphyritic						
					- Angular to sub-rounded						
39			CA HE								
	108	43									
40											

PAGE 4 OF 10	PROJECT FAWN	HOLE FWN 97-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
20 - 3 QZ stringer zones with		20.0	21.0	1.0	197076	
21 Vuggy black Silicified zones. Black						
= Carbon? or v.fg. Sx.? - Erratic		21.0	21.9	0.9	197077	
22 Orientation (appears High Angle)						
DO stringers with QZ.		21.9	22.4	0.5	197078	
23 21.0 - 21.9 - Stringer Zone						
as above with lesser QZ stringers		22.4	24.2	1.8	197079	
24						
21.9 - 22.4 - Fault Zone - Clay						
25 Altered, brecciated, no						
visible Sx						
26						
22.4 - 24.2 - Footwall of						
27 fault -> altered DO stringers						
MS, Clay + HE altered						
28 No visible Sx						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						

PAGE 5 OF 10 | PROJECT FAWN | HOLE FWN 97-05

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	EP	FRACTURE INTENSITY
40											
41	100	43	3cm Do, CA	70°							
42											
43	107	69	CA		416.35- Hematite Altered Lapilli Tuff						
44					50.50 - Fragment Supported Lapilli Tuff (as per previous intervals)						10
45					- Fragments up to 1cm but avg. 0.5cm						
46	98	47			- " aphanitic to porphyritic, creamy-white to black - Some fragments Hematitic + pervasive						
47			DO	30°	HE alteration of fragments and matrix						
48					- Competent core throughout						
49	99	58	CA		- Basal Contact strongly fractured + Clay + MS altd						
50					50.50 Quartz Feldspar Porphyry						
			HELT		- 78.0 - Light to med orange-brown.						
51	65	0	QFP		- Widely spaced phenocrysts all 1-2mm dia.						7.40
52	75	8			- White feldspars, watery quartz.						
53	104	33		10° 30°	- Groundmass = orange brown. Orange brown colour appears to be the result of alteration as the original colour appears to be pale (sericite) green.						
54	101	36	QZ Stringer		-Orange-brown may be result of Fe from sparse mafics?						20
55			Shl wrks		- Prominent fracture foliation appears to be 30-40° @ top of interval						
56	101	33		25°	- Grey QZ stringering (Erratic Orientation) with Trace PY AS, SP.						
57			Slip		- Upper Contact broken with altered Lapilli Tuff + QFP with 10-15% Finely disseim PY+AS?						
58	105	34	Fract. 50° to 70° + 6-8		- Strongly fractured with Clay + sericite along fractures						7.60
59	74	11			- Decrease in QZ stringering by 65-9m						
60											

PAGE 6 OF 10	PROJECT FAWN	HOLE FWN 97-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50 – Hangingwall of QFP. dyke diss Py in Rubble		50.0	50.5	0.5	197082	
– Extremely fractured / rubbly zone		50.5	52.1	1.6	197083	
51 Lapilli Tuff/QFP Frags. Up to 15% dissem PY ± AS? (Contact Zone)						
52 – Weakly fractured – Minor QZ stringers Fine Grey QZ Stk. @ base		52.1	53.03	0.93	197084	
53 – Fine Stockwork grey QZ. Minor AS near top of interval. CY-SE Fract.		53.03	54.5	1.47	197085	
54 – Weak Hairline White ± Grey QZ		54.5	56.0	1.50	197086	
55 Stockwork – Trace PY						
56 – Very weak QZ stockwork – Minor fault Slip with Tr PY		56.0	57.5	1.50	197087	
57 – Watery QZ. stockwork ± minor Grey QZ. Tr PY Clay + Sericite on		57.5	59.0	1.50	197088	
58 Numerous fractures –						
59 – QZ stockwork – white to watery QZ – Tr. PY + AS.		59.0	60.5	1.50	197089	
60						

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PROJECT FAWN

HOLE FWN 97-05

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	ALTERATION HE	ALTERATION CA	ALTERATION CY	FRACTURE INTENSITY
60	100	16								
61	66	0								
62	63	0								
63	117	0								
64	25	0								
65										
66	44	13								
67	63	0								
68	98	26								
69	85	0			78.0 Quartz Feldspar Porphyry					
	91	0			86.6 - Similar to previous interval but colour change of groundmass to pink-grey.					
70	82	6			- Fracturing appears to be significantly less with less rubbly core - Fractures with Sericite and Clay.					
71	62	0			- Fracturing common along C.A. and @ 50-65° TCA					
72	89	0								
	82	0								
73	100	18								
74										
75										
76	76	6	50°- 60° + 0°							
77										
78	92	0								
79										
80										

PAGE 8 OF 10	PROJECT FAWN	HOLE FWN 97-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
60 Extremely Rubbly & broken, MS+CY		60.5	62.80	2.3	197090	
61 on fractures. Tr. PY+SP						
in Grey-Watery QZ.						
62 - As above, with drusy QZ		62.8	65.9	3.1	197091	
Cavities - No Grey QZ - all						
63 watery, clear QZ.						
64						
65						
66						
67						
68						
69						
70						
71						
73						1
74						
75						
76						
77						
78						
79						
80						

PAGE 9 OF 10 | PROJECT FAWN | HOLE FWN 97-05

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	FRACTURE INTENSITY
80	120	0								
81	100	0								
82	74	0								4
83					86.6 – Quartz Feldspar Porphyry (Footwall Zone)					
	87	0	QFP		89.1					
84	113	0			Mixed Zone					
85	57	0			Xenolith(?) inclusions of altered lapilli tuff in strongly fractured and stringered QFP.					
86	79	0			Grey ± white (2 phase) quartz stringers up to 1cm as erratic stockwork with PY + AS.					
87			QFP	55						
			QZ		Vuggy QZ. Also DO ± QZ with GN, SP					
88	109	0		35	Sericite and Clay on fracture					
			Fr		surfaces.					
89			Fv	40						
			QZ, Fr / QZ, AS	30	89.1 – Sericite Altered Ash-Lapilli					
90	94	7			91.70 Tuff.					
					- Pale green-buff. Darker grey					
91			25° 45°		zones with increased					4
	101	44	QZ	50	diss. PY. + Patchy PY.					
92			PY + CY		- QZ stringers paralleling					
					dominant fracture direction					
93			DO		@ 40-55°					
			Bed	20°	- Alteration(?) banding of PY					
94	98	43	Slip	12°	+ CY + SE @ 12° TCA @ 90.6m					
					90.7 = Fault Bx + Diss PY					
95			DO		91.6 Banded PY + CY? (50° TCA) Sem					
			QZ, CP, SP	42°						
			Bed	20°						
96	75	23	QZ, DO Stv.	30°	91.7 – Interbedded Ash and Lapilli Tuff.					
					96.31 Pale green-beige + buff coloured					
96	3	1			Minor fine ash tuff, interbedded					
E.O.H.					with coarse ash + Lapilli tuff.					
					Minor QZ stringers (CP + SP) crosscut					
					+ offset by DO stringers @ 20-30° TCA					
					– 92.2 – 93.2 – Black v.f.g. altn					
					PY "Carbon" = Erratic + patchy.					

PAGE 10 OF 10 | PROJECT FAWN | HOLE FWN 97-05

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
86 Erratic, vuggy white + grey QZ stringering with fine, diss PY+AS±SP		86.6	87.9	1.3	197092	
87 hosted in grey QZ. PY diss, in ms alt'd Lapilli tuff intervals		87.9	89.1	1.2	197093	
88 87.9 - 89.1 - AS above with						
89 Less veining in upper part. with increased DO stringering		89.1	90.6	1.5	197094	
90 89.1 - 90.6 - Strong MS alt'n with PY		90.6	91.7	1.1	197095	
91 diss. throughout, white + Grey QZ stringers with PY+AS ± SP.						
92 - Banded PY + CY (OR GY?) as alteration at base of interval		91.7	93.3	1.6	197096	
93 - 90.6 - 91.7 - Faulted + weak CY alt'n						
94 - Minor white + Grey QZ with Minor PY, AS Basal 5cm with banded PY+(GY?)		94.6	96.31	1.71	197097	
95 - Light orange-brown, soft						
96 91.7 - 93.3 - Strong MS, mod CY - Dark black alt'n = Carbon(?) or vvfg SX(?)						
94.6 - 96.31 - Weak DO stringering + occasional QZ Stringer all < 5mm. QZ with Tr CP + SP.						

PAGE OF

PROJECT

HOLE

DEPTH (m)	% CORE REC	% RQD			LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION						FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: FAWN	COLLAR ELEVATION: 1574.8
HOLE: FWN 97-06	AZIMUTH: 180°
LOCATION: 11+98 N, 1+81 E	DIP: -45
LOGGED BY: J. LEHTINEN	LENGTH: 99.4
DRILLED BY: FALCON DRILLING	HORIZONTAL PROJECTION:
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION:
CORE SIZE:	
DATE STARTED: APRIL 7/97	DATE COMPLETED: April 9/97
DIP TESTS BY: Acid	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
90.2	-44.5				

OBJECTIVE

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

Target:

0 - 3.05 Casing
3.05 - 43.3 Andesite Flows
43.3 - 50.8 MS + CY altered porphyritic andesite
50.8 - 53.1 MS + PY altered Andesite + Minor QZ stringers
53.1 - 55.35 Quartz Stockwork in Andesite, Stockwork + Q.V. Breccia
55.35 - 59.74 MS altered porphyritic andesite
59.74 - 61.4 Silicified fault breccia. PY + Tr SP
61.4 - 62.5 Fault Breccia
62.5 - 69.5 Broken/Faulted MS altered andesite
69.5 - 71.1 MS + PY altered andesite
71.1 - 72.4 Andesite Lapilli Tuff
72.4 - 81.4 Andesite Flow Breccia
81.4 - 99.4 Andesite Lapilli Tuff

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CA	CY	EP	FRACTURE INTENSITY
0–3	CASING				0.0 – 3.05 Casing						
3–4	60	6	Strongly Oxidized Porphyritic Andesite		3.05 – 10.10 Strongly Oxidized Porphyritic Andesite Med orange – brown with darker, heavy iron stain paralleling DO. Stringering. Phenocrysts up to 5mm of altered plagioclase remain med. grey. Phenos are in part epitole altered ± HE. – Blocky / broken core over entire interval						
4–7	59	26									
7–8											
8–9	79	8	CA/DO string								
9–12											
12–13	62	7									
13–14			QZ CL	50	10.10 – 43.3 Porphyritic Andesite Flow(s) Entire interval = med to dark green – grey with the exception of minor alteration zones paralleling DO ± QZ stringering or minor faulting. – Minor variations in grain size, but overall = coarse grained + porphyritic – Phenos dominantly plagioclase although minor zones of argilite phenos. Phenos upto 5mm – Strongly magnetic overall – non magnetic in altered rx. – Weak Epidote and calcite alteration overall						
14–15	114	33									
15–16											
16–17	103	54	CA EP	17-79							
17–18											
18–19	94	72									
19–20			CA DO	20							
20	103	16									

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS					
		FROM	TO	WIDTH							
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12										1	
13											
14											
15											
16											
17											
18											
19											
20											

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY		EP	FRACTURE INTENSITY
20												
21	114	67										5
22	86	28										
23	83	0										
24	103	25										
	74	0	QZ, CA, EP	45°	Porphyritic Andesite (see page 2)							
25	88	27										
26	107	39										
27	104	8	CA	50°								
28												
29			CA									
30	96	28	CA	50°								
31												
32	104	46	CA									
33	101	41										
34	97	0										
35	97	55										
36				45°								
37	96	34										
38	120	54										
39	100	0										
	65	0										
	119	600										
40												

PAGE 4 OF 10	PROJECT FAWN	HOLE FWN 97-06

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS					
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	SI	PY	FRACTURE INTENSITY
40					43.3 - Sericite and Clay altered Porphyritic Andesite							
41	99	36			50.8 Pale green + grey-green with increased PY content.							5
42					- Original porphyritic texture still visible							
43	83	48			- Pyritization throughout interval, increasing along vein margins.							
44					- Pale creamy-buff coloured DO stringers							20
	88	11	DO Str	50	- Minor QZ stringer ≈1cm @ 47.5m							
45	145	39			- Fault @ 47.8m - 25° TCA - Gouge + BX							
					- Basal contact sharp @ 40° TCA							
46	71	11										
	99	0			50.8 - Strongly Sericite and Pyrite							
47	139	0			53.1 Altered Andesite with							
			QZ	25	minor Quartz veining							
48	131	49			Increased pyritization with							40
	71	6			5cm banded/foliated DO-QZ							
49			GZ Str		vein at top of interval							
	102	49			- <1cm grey QZ stringers with							
50					PY. (Dark grey = F.G. AS?)							
	92	39			QZ = Chalcedonic							
51			QZ, DO									
					53.1 - Quartz Stockwork Zone							
52			PY = QZ ±		55.35 - Dark grey to tan-grey							
	107	41			- Zone comprised of vuggy							
53					banded QZ + DO veining with							
			QZ Str.		dominantly grey chalcedonic							
54					& white quartz							20
					- Stronger stockwork and							
55	102	25	AS QZ	55	minor silicified zones							
					- Minor vein breccia							
56					- Mineralization = PY ± AS?							
	105	20	QZ/DO PY		Secondary = Realgar, Tr. SP							
57												8
	95	18			55.35 - Strong Sericite Altered Porphyritic							
58					59.74 Andesite with interfedded Ash Tuff							
					Pale green with a dark							
59	112	44			grainy appearance due to							
					concentrations of PY as							
			Contact	60	alteration - Minor Tuff (basal 1.0m)							
60			SI BX	DO	- Minor QZ-DO-PY stringers							
					- Sharp basal Contact @ 60°							

PAGE 6 OF 10	PROJECT FAWN	HOLE FWN 97-06

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
40						
41						
42						
43						
44 49.0 - 50.0 - Strong MS w/ lt'n - * 5% PY		49.0	50.0	1.0	197111	
45						
46 47.3 - 49.0 - Minor PY as dissem & replacement) - Minor		47.3	49.0	1.7	197098	
47 Vuggy QZ stringers PY 7-10%						
48 50.0 - 51.2 - Increased PY		50.0	51.2	1.2	197099	
49 with Scm banded DO+QZ+PY + wk SI zone. PY 10%						
51.2 - 53.1 Weakly QZ stringered		51.2	53.1	1.9	197100	
50 (grey) strong MS zone. PY 10%						
53.1 - 54.0 Quartz Stockwork		53.1	54.0	0.9	197101	
51 with Vuggy Grey QZ with PY ± AS? + Realgar Red in fractures						
52						
53						
54 54.0 - 55.35 - Similar to above with ten MS-PY alt'd blebs.		54.0	55.35	1.35	197102	
55 PY + Minor AS PY = 10% Realgar along fractures		55.35	57.0	1.65	197103	
56 55.35 - 57.0 - Strong MS-PY alt'n with minor grey QZ stringers						
57 Alt'n PY = 10% 57.0 - 59.74 MS + PY alt'n		57.0	59.74	2.74	197104	
58 3-5% PY.						
59						
60						

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CB	CX	SI		FRACTURE INTENSITY
60												
61	104	36			59.74- Silicified Fault Breccia							
					61.4 - Dark Grey							17
62					- Strongly Silicified + Brecciated Andesite(?) with very strong dark grey chalcedonic quartz.							
63	87	0			Minor white quartz Vuggy.							
					- Pyrite with T+ SP.						PY	
64	132	30			- Amber-like mineral on fracture surfaces = Orpiment?							
65			Gouge									
	88	0										7 40
66					61.4- Fault Breccia							
					62.5 - Variably brecciated, with PY ± other SX? as silicified lings.							
67	143	14			- Dissem PY in matrix. CY Gouge.							
68					- Strongly SX rich @ 61.8 - 62.2 & 62.35 - 62.5							
69	89	35			62.5- Extremely Broken + Faulted.							
			60° DO		69.5 Clay-Sericite altered Andesite							12
70					- med-light green-grey.							
71			Gz DO	33 44	- Upper part of interval = mod. competent = pyritized zone.							
	134	76	DO	125 37								
72					69.5- Sericite-Pyrite altered Andesite							
					71.1 - Med-light grey-green.						EP	
73	97	83			- Strongly DO stringered.							
74					- Pyrite as stringers (banded)							
					- Minor 1 5mm QZ with PY ± AS. (Vuggy stringers)							
75												
76					71.1- Andesite Lapilli Tuff							
	105	69			72.4 - Top 1.8m at weakly MS altered Lapilli tuff (med-light grey-green) grading into dark unaltered lapilli tuff.							
77												
78			CA									
	94	25	CA	35°	72.4- Andesite Flow Breccia							
79					81.41 Dark green propylitic alt'd.							
					- Variably brecciated, amygdaloidal zones.							
80					- Calcite stringering							
					- Magnetic, Mod. Epidote Alt'd.							

PAGE 8 OF 10	PROJECT FAWN	HOLE FWN 97-06

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
60	59.74 - 61.4						
	Strongly Silicified & Bx. PY.		59.74	61.4	1.66	197105	
61	Finely dissem PY. 7-10%						
	Tr. SP. Chalcedonic QZ-grey						
62							
	61.4 - 62.5 - Fault Bx with		61.4	62.5	1.1	197106	
63	Bx Frags = Grey QZ with PY						
	Matrix of fault = finely dissem PY						
64	Overall ≈ 5% PY						
	62.5 - 64.0 - Footwall of		62.5	64.0	1.5	197107	
65	fault and mineralized zone						
66							
67							
	68.0 - 69.5						
68	Fault zone. Dissem PY 3%		68.0	69.5	1.5	197108	
	with 7-10% in H.W. Fragments						
69							
	69.5 - 71.0 = Strongly PY altered		69.5	71.0	1.5	197109	
70	paralleling DC stringers						
	- Minor 1-1cm QZ-DO						
71	Stringers with Trace AS+SP		71.0	72.4	1.4	197110	
	PY = 10-15% Overall						
72							
	71.0 - 72.4 - MS & PY						
73	alt'd. PY alt'n as bands						
	paralleling weak DO stringers						
74	PY 3-5%						
75							
76							
77							
78							
79							
80							

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	HE	CA	CY	EP	PY	FRACTURE INTENSITY
80	117	113	CA		81.4 - 99.4 Andesite Lapilli Tuff. Similar to unit above but alteration zones produce weakly bleached, lighter zones with distinct lapilli fragments. Fragments up to 10cm with varying textures from aphanitic to porphyritic. 82.2 - 1cm, grey+white qz with ≈5% Py. Trace AS. Alteration Zone 81.3 - 83.9; 85.6 - 86.2; Weak alt'n 88.1 - 90.2							
81												
82			1cm Qz + Py Tr AS	20								PY
83	96	73		40								
84			CA									
85												
86	116	87	Gouge	DO 25°								
87												
88			DO	40	- Numerous rounded lapilli fragments with corroded boundaries = (lapilli incorporated into flow?) + fragments with diffuse boundaries							
89	101	30	DO +Qz	55 90 60								PY
90			Qz									
91	110	38										
92												
93	99	248										
94												
95	103	67										
96				55								
97												
98	103	67		50								
99					99.4 E.O.H.							
100												

PAGE 10 OF 10	PROJECT FAWN	HOLE FWN 97-06

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
80						
81 81.4 - 83.9 - ∠ 1cm QZ-stringer with minor DO - 5% PY with TR AS		81.4	83.9	2.5	197112	
82 10 - 15% Diss. PY = Alt'n.						
83						
84						
85 85.6 - 86.2 - Alteration paralleling small fault with gouge zone		85.6	86.2	0.6	197113	
86 3 - 5% Pyrite as diss. + minor stringers						
87						
88 - 88.0 - 89.9 - Numerous DO + QZ stringers with PY +		88.0	89.9	1.9	197114	
89 strong wallrock alt'n (Single grey QZ vein x-cutting						
90 dolomite then QZ cut by DO) PY - 10% Tr AS						

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: FAWN	COLLAR ELEVATION: 1598.5
HOLE: FWN 97-07	AZIMUTH: 180°
LOCATION: 12+87N 0+62E	DIP: -45°
LOGGED BY: J. LEHTINEN	LENGTH: 90.2m
DRILLED BY: FALCON DRILLING	HORIZONTAL PROJECTION:
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION:
CORE SIZE: BQTW	
DATE STARTED: APRIL 9/97	DATE COMPLETED: April 11/97
DIP TESTS BY: Acid	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
90.2	-44.5	—			

OBJECTIVE

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

Target:

0 – 1.52 Casing
1.52 – 29.4 Andesite Porphyry
29.4 – 30.6 MS/HE/CY altered Andesite Porphyry
30.6 – 35.35 MS/HE altered Lapilli Tuff
35.35 – 43.7 MS altered Andesite Porphyry
43.7 – 50.4 Fault Zone in QFP? + Lapilli Tuff
50.4 – 63.6 Andesite Lapilli Tuff
63.6 – 67.0 Stringer / Fault Zone in Lapilli Tuff
67.0 – 69.3 Andesite Lapilli Tuff
69.3 – 86.9 Andesite Flow
86.9 – 90.22 Andesite Feldspar Porphyry

PAGE 1 OF 10 | PROJECT FAWN | HOLE FWN 97-07

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION ms	HE	CA	CY	CL	FRACTURE INTENSITY
0					0.0 - Casing						
1	CASING				1.52						
2	16	0									
3	36	0			1.52 - Rubbly, Oxidized Porphyritic Andesite						
	32	0			7.40 Dark green - black with rusty fracture surfaces.						
4	33	0			- Feldspar- lath shaped phenos, light grey in dark green-black matrix						X40
5	62	0									
	65	0									
	67	0									
6											
7	59	0			7.40 - Andesite Porphyry						
					22.0 Dark green-black						
8					- Feldspar- phenocrysts light grey, lath shaped up to 5mm length, set in a dark green-black matrix						
9	89	36	Ca/Fp		- Minor weak epidote-calcite stringers (<0.5mm)						15
10					- Minor HE stringers						
					- Overall = weakly chloritic altered						
11			Ca/Fp		- Trace Disseminated PY.						
12	77	32									
13											
14											
15	100	70									10
16			Py Ca Fp PY	45							
17											
18	97	35	Ca Fp								
19											
20											

PAGE 2 OF 10	PROJECT FAWN	HOLE FWN 97-07

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS					
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											1
13											
14											
15											
16											
17											
18											
19											
20											

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	CL	FRACTURE INTENSITY
20											
21	74	21			22.0 - 23.3 Fracture Zone. - Andesite Porphyry - Strongly broken, mod. drab green-grey, weak clay alt'n.. - Original textures (porphyry) faint - Minor DO stringers						16
22											
23											7.90
24	86	23		47	23.3 - 29.4 Moderately Stringered Andesite Porphyry - Similar porphyry as 7.40 - 22.0m - Cross-cut with numerous DO-CA stringers (Weak DO-CA stockwork) - Very strongly chlorite altered at base of interval. Minor Cholandonic QZ.						2.0
25				30							
26				68							
27	109	26		45							1.0
28				30							
29			QZ	58	29.4 - 30.6 Sericite / Clay / Hematite altered Andesite Porphyry - Similar to Porphyry above, but strongly fractured & stringered with creamy-white DO stringers. - Minor early QZ (anal) stringers - Alteration highly variable over short intervals with MS, CY & HE prominent in decreasing order					CL	3.0
30	94	0	DO Stngs								
31	121	44									
32	92	0									
33	57	0									
	107	0			30.6 - 35.35 Sericite - Hematite altered Lapilli Tuff Med - dark green grey. - Very distinctive grey matrix due to very fine HE. - Fragments commonly 0.5 cm generally sub-rounded & variable composition. Frags commonly MS altered. - Disseminated PY in matrix & as replacement in fragments						
34	82	6									
35	88	0									1.0
36	100	55									
37											
38	99	95									
39											
40											

PAGE 4 OF 10 | PROJECT FAWN | HOLE FWN 97-07

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
29 29.3 - 30.6 - Weak PY paralleling DO stringers. Minor Chalcedonic QZ		29.3	30.6	1.3	197115	
30 30.6 - 32.3 - PY finely dissem in Strong MS-HE alt'n. PY = Tr - 1%		30.6	32.3	1.7	197116	
31						
32 32.3 - 33.40 - PY as alt'n. ? = diss minor QZ stringers . . PY - 1%		32.3	33.40	1.1	197117	
33 HE - DO stringers 33.40 - 35.35 - Strong PY		33.40	35.35	1.75	197118	
34 alt'n = 3% PY Strong DO stringering @ 60°/70°c.m.						
35 Minor Grey QZ stringers X-cut by DO. - Vuggy.		35.35	37.50	2.15	197119	
36 35.35 - 37.5 - Fracture + Vuggy grey QZ following C.A.						
37 PY = 1% dominantly as alt'n. Tr PY with QZ						
38						
39						
40						

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION ms	HE	CA	CY	CL	FRACTURE INTENSITY
40					35.35- Sericite altered Andesite(?)						
41	52	86			43.7 Porphyry						
42	90	33			- Light green-buff, with white to pale green phenocrysts up to 3-4 mm.						10
43					- Uniform texture = porphyritic.						
44	123	0			- Matrix commonly with disseminated PY						
	64	0	Bx + Gouge		- Pale green phenos = MS ± CH?						
45	98	0			- Weak clay alteration						
46	77	0			- Basal 2.0 m = patchy HE alteration + increased CY alteration + increased DO + Chalcedonic QZ stringering						
	100	6	34°								
47	93	0									
48					43.7- Fault Zone						
	101	44			50.4 Extremely broken, dark grey with clay gouge and fault breccia						
49					- Fragments are very strongly MS altered and PY is disseminated throughout.						
50	121	55	50°								
51				CA	- Fragments of QFP are incorporated into the bx. indicating possible narrow dyke as the fragments have been dragged in.						
52	86	37									
53					- Possible fault orientation from slips within the zone are Avg = 34° TCA						
54	103	35		CA							
55	113	0			- Basal Contact @ 50° TCA						
	66	0									
56	83	0			- Host Lithology = Lapilli Tuff?						
57	41	0									
58	44	0									
	82	6									
59	[illegible]	[illegible]									
	19	6									
60											

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	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
40							
41							
42	42.10-43.7 Minor < 2mm black Chalcedonic Stringers Tr. PY		42.10	43.7	1.6	197120	
43							
44	43.7-46.0 - Strongly broken, minor < 2mm Vuggy QZ stringers ± DO PY 3%		43.7	46.0	2.3	197121	
45							
46	46.0 - 47.85 - Med-dk grey. Finely dissem & fracture-fill PY.		46.0	47.85	1.85	197122	
47	-weak Pink grey = soft = MS + BX?) + HE						
48	47.85-48.7 - Fault gouge + Bx + 1% PY in matrix + Frags.		47.85	48.7	0.85	197123	
49	48.7-49.68 - Strong MS alt'd + bx. - Minor < 1mm QZ Stringers		48.7	49.68	0.98	197124	
50	Tr PY		49.68	50.40	0.72	197125	
	49.68-50.40 - fault gouge + Bx						
51	Diss PY in Matrix + Frags = 1-3%						
52							
53							
54							
55							
56							
57							
58							
59							
60							

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION MS	HE	CA	CY	CL	FRACTURE INTENSITY
60	162	0									
61	50	0	Broken Core		50.4- 63.6 Andesite Lapilli Tuff - Dark to med green - Fragments up to 3cm. - Extremely broken - Strong chlorite alteration with Zones of strong clay alteration. - Extremely broken core from. 53.70 - 63.6m. - Strong Py alteration in MS altd Rx & PY in fractures - Strong CA all'n in lighter coloured zones. -						5
62	71	0									10
63	100	0									
64	100	35									
65					47°						
66			QZ AS, PY								
67	100	52	Group of MS								
68			CA		63.6- 67.0 Stringer / Fault Zone in Altered Lapilli Tuff - Med grey-green - Very strongly fractured and stringered with DO Stringering throughout. Stringering erratic = weak stockwork. Minor 2cm QZ stringer along C.A. with PY + AS. - Truncated by fault slips 1QZ @ 66.0-66.1 Pyr. to finely diss. + stringers						
69											
70	99	65	DO								
71			DO, QZ PY								
72	99	42									
73	86	51	EP.								
74	120	33			67.0- 69.3 Andesite Lapilli Tuff. Dark green with sub-rounded fragments up to 5cm. - Cross-cut by CA, DO ± HE Stringers ≤ 3mm. - Weak epidote pebbles = amygdales? - Weakly magnetic						
75											
76	89	49									
77											
78			CPT PY								
79	90	47									
80											

PAGE 8	OF 10	PROJECT FAWN	HOLE FWN 97-07

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
60						
61						
62						
63 63.6 - 65.4 - Strongly Stringered (DO) Intense MS with PY (diss) ≈ 7%		63.6	65.4	1.8	197126	
64						
65						
65.4 - 67.0 - Strongly DO stringered		65.4	67.0	1.6	197127	
66 - Remnant section of QZ						
67 stringers 2cm along C.A. With PY & AS overall PY ≈ 7% AS = Tr						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78 78.1 - 78.9 - Fracture fill PY+CP+PO in 25° TCA fractures overall		78.1	78.9	0.80	197128	
79 SX = 1% CP ≈ 0.25% - Hornfelsed - bio						
80						

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: MS	ALTERATION: HE	ALTERATION: CA	ALTERATION: CY	ALTERATION: CL	FRACTURE INTENSITY
80			CA+ EP+ CL+	20°	69.3 – Andesite						
81	90	97		30°	86.9 Dark green-gray to gray						5
					- Patchy amygdaloidal zones						
82					- Generally aphanitic to fine grained						
	104	66			- Minor CA ± EP ± PY stringers throughout interval - Strong Magnetic						
83				35°	78.1 – 78.8 = Fractures (Discrete with PY + CL fill (overall = <1% CL) in this Hornfelsed section (1.5m)						
84	136	52			- Basal contact = 50° TCA						
85					-						
	97	70			86.9 – Andesite Feldspar Porphyry						
86				50°	90.22 Light grey phenos in dark grey matrix.						
87					- Phenos upto 2mm, moderately packed						
					- Very weak CH alt'n.						
88					- PY erratic as dis's + fine. fill						
	100	71			- Strongly Magnetic						
89											
90											
					90.22 = E.O.H.						

PAGE 10 OF 10	PROJECT FAWN	HOLE FWN 97-07

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS					
87.17 - 88.2 - Diss Py + weak Hairline fracture fill Py - Total = 3 1%		87.17	88.2	1.03	197129						

1997 DIAMOND DRILL CORE SAMPLES

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
FWN97-01											
197001	3.05	4.55	1.50	30	---	1.0	122	3	86	4	880
197002	10.10	11.00	0.90	<5	---	0.8	14	23	60	8	570
197003	11.00	12.50	1.50	<5	---	<.2	10	<1	10	4	286
197004	16.00	17.00	1.00	<5	---	<.2	4	5	8	4	194
197005	17.00	18.20	1.20	5	---	1.0	6	57	16	<2	350
197006	18.20	19.83	1.63	<5	---	<.2	8	13	10	2	140
197007	19.83	21.60	1.77	<5	---	<.2	10	16	12	2	108
197008	21.60	22.90	1.30	<5	---	<.2	14	11	2	<2	78
197009	22.90	24.20	1.30	10	---	0.4	6	169	8	2	180
197010	24.20	25.50	1.30	<5	---	<.2	<2	1	2	<2	136
197011	25.50	26.20	0.70	<5	---	<.2	4	<1	4	2	246
197012	26.20	27.40	1.20	<5	---	<.2	12	<1	10	2	396
197013	27.40	28.80	1.40	<5	---	0.6	6	13	4	<2	420
197014	31.90	33.00	1.10	<5	---	0.4	14	44	10	14	142
197015	44.20	44.70	0.50	5	---	3.8	74	112	76	42	258
197016	47.60	49.60	2.00	<5	---	<.2	6	10	4	6	80
197017	56.00	57.10	1.10	<5	---	<.2	14	10	6	2	240
197018	57.10	58.80	1.70	<5	---	<.2	14	5	2	2	92
197019	58.80	60.15	1.35	365	---	2.8	928	27	60	20	440
197020	60.15	61.90	1.75	<5	---	0.4	32	8	34	6	178
197021	61.90	63.00	1.10	2000	2.02	6.0	2270	9	84	10	508
197022	63.00	64.00	1.00	10	---	<.2	26	2	12	8	112
FWN97-02											
197023	3.05	4.50	1.45	<5	---	1.0	36	23	28	4	372
197024	13.40	14.70	1.30	170	---	1.2	6	28	262	<2	484
197025	48.00	50.00	2.00	<5	---	<.2	16	50	16	12	122
197026	50.00	52.20	2.20	130	---	3.8	264	28	44	14	154
197027	52.20	53.20	1.00	<5	---	<.2	22	9	8	<2	56
197028	56.90	58.50	1.60	20	---	0.4	166	5	14	6	142
197029	58.50	59.30	0.80	10	---	0.6	52	25	54	8	320
197030	60.70	62.50	1.80	<5	---	0.4	20	15	36	4	292
197031	62.50	64.00	1.50	20	---	2.6	12	18	60	<2	388
197032	64.00	64.90	0.90	15	---	1.8	20	81	56	6	398
FWN97-03											
197033	6.40	8.23	1.83	10	---	<.2	8	49	2	<2	96
197034	41.80	43.10	1.30	<5	---	<.2	88	44	6	2	88
197035	43.10	44.70	1.60	<5	---	0.2	44	46	2	8	88
197036	44.70	46.20	1.50	<5	---	<.2	2	12	<2	2	80
197037	46.20	47.30	1.10	<5	---	<.2	12	6	2	<2	94
197038	51.70	54.00	2.30	5	---	0.4	56	25	4	2	100
197039	63.15	65.53	2.38	10	---	0.2	306	23	8	2	138
197040	65.53	67.60	2.07	<5	---	0.4	28	19	10	4	122
197041	67.60	70.41	2.81	60	---	0.6	254	7	38	2	246
197042	70.41	74.10	3.69	575	---	2.2	1750	11	68	6	348
197043	76.20	77.00	0.80	25	---	0.6	206	2	18	2	246
197044	77.00	78.90	1.90	345	---	1.4	1530	12	24	8	186
197045	78.90	81.50	2.60	345	---	1.8	1420	14	36	8	224

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
FWN97-04											
197046	9.70	11.30	1.60	<5	---	0.6	24	42	6	8	114
197047	11.30	12.90	1.60	<5	---	0.6	16	37	38	6	206
197048	12.90	14.30	1.40	<5	---	0.2	18	31	2	6	86
197049	14.30	15.80	1.50	130	---	<.2	14	46	2	12	120
197050	33.40	35.10	1.70	80	---	2.4	508	16	14	16	122
197051	37.10	39.20	2.10	<5	---	3.2	214	17	14	12	128
197052	39.20	40.70	1.50	<5	---	0.8	24	27	2	6	46
197053	46.50	47.50	1.00	<5	---	0.6	58	28	6	6	94
197054	48.50	49.00	0.50	30	---	1.4	172	11	12	12	96
197055	49.50	50.80	1.30	<5	---	0.4	36	28	6	8	64
197056	50.80	52.10	1.30	70	---	2.8	212	28	16	14	156
197057	56.30	57.20	0.90	125	---	1.2	282	10	16	8	70
197058	57.20	57.60	0.40	<5	---	0.2	36	8	10	6	104
197059	57.60	58.70	1.10	130	---	3.2	370	27	18	12	176
197060	58.70	59.40	0.70	<5	---	<.2	18	4	2	2	84
197061	59.40	59.80	0.40	580	---	6.6	3690	14	50	14	266
197062	59.80	61.50	1.70	<5	---	<.2	20	7	<2	2	82
197063	61.50	62.40	0.90	10	---	0.2	176	7	10	4	142
197064	62.40	63.30	0.90	30	---	0.6	500	12	12	6	224
197065	63.30	65.00	1.70	140	---	1.8	622	11	30	8	184
197066	65.00	66.50	1.50	<5	---	0.2	16	8	6	<2	100
197067	66.50	67.40	0.90	120	---	1.2	1200	17	18	10	128
197068	69.20	70.80	1.60	<5	---	<.2	26	13	<2	<2	98
197069	72.20	73.00	0.80	30	---	0.6	150	7	20	4	618
197070	73.90	74.80	0.90	50	---	0.4	220	29	8	8	142
197071	74.80	75.90	1.10	275	---	2.2	638	17	24	8	284
197072	75.90	77.80	1.90	10	---	1.0	54	38	24	6	908
197073	77.80	79.30	1.50	50	---	1.0	152	34	6	10	86
197074	79.30	81.50	2.20	30	---	0.6	98	34	<2	10	102
197080	83.82	85.04	1.22	<5	---	<.2	8	<1	6	<2	8
197081	86.00	87.30	1.30	10	---	2.4	32	47	8	8	76
FWN97-05											
197075	18.00	20.00	2.00	<5	---	0.2	26	103	4	24	80
197076	20.00	21.00	1.00	<5	---	<.2	52	18	14	6	140
197077	21.00	21.90	0.90	<5	---	<.2	32	8	30	12	124
197078	21.90	22.40	0.50	10	---	0.2	246	42	12	14	138
197079	22.40	24.20	1.80	<5	---	<.2	80	39	2	6	72
197082	50.00	50.50	0.50	<5	---	0.2	70	18	10	6	112
197083	50.50	52.10	1.60	95	---	1.8	752	2	12	8	170
197084	52.10	53.03	0.93	60	---	1.4	142	1	8	<2	12
197085	53.03	54.50	1.47	25	---	3.8	46	10	10	4	18
197086	54.50	56.00	1.50	10	---	3.2	20	10	10	4	14
197087	56.00	57.50	1.50	5	---	0.8	36	5	12	2	14
197088	57.50	59.00	1.50	10	---	1.4	34	4	8	<2	12
197089	59.00	60.50	1.50	10	---	0.8	30	1	10	2	8
197090	60.50	62.80	2.30	55	---	0.6	120	1	14	<2	18
197091	62.80	65.90	3.10	20	---	<.2	28	<1	2	<2	2
197092	86.60	87.90	1.30	575	---	4.4	1295	8	10	6	74

Sample Number	From (m)	To (m)	Length (m)	Au (ppb)	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
FWN97-05											
197093	87.90	89.10	1.20	210	---	3.0	892	12	12	8	106
197094	89.10	90.60	1.50	1620	1.58	0.2	16	31	62	2	312
197095	90.60	91.70	1.10	300	---	0.6	62	47	56	6	368
197096	91.70	93.30	1.60	<5	---	0.8	114	35	6	8	38
197097	94.60	96.31	1.71	<5	---	0.2	114	62	2	16	58
FWN97-06											
197098	47.30	49.00	1.70	30	---	0.4	282	30	30	8	370
197111	49.00	50.00	1.00	15	---	<.2	32	13	20	2	344
197099	50.00	51.20	1.20	30	---	0.8	240	37	40	12	376
197100	51.20	53.10	1.90	680	---	7.2	2350	45	34	24	258
197101	53.10	54.00	0.90	1680	1.61	42.4	1835	29	36	60	288
197102	54.00	55.35	1.35	1365	1.23	56.8	2690	24	56	64	260
197103	55.35	57.00	1.65	2340	2.33	11.0	5370	52	54	22	428
197104	57.00	59.74	2.74	<5	---	3.0	232	78	26	20	244
197105	59.74	61.40	1.66	1700	1.68	50.0	2640	34	202	34	656
197106	61.40	62.50	1.10	65	---	3.0	246	76	84	22	460
197107	62.50	64.00	1.50	<5	---	0.2	16	31	64	2	314
197108	68.00	69.50	1.50	10	---	0.6	66	48	54	4	380
197109	69.50	71.00	1.50	250	---	1.8	1385	22	28	8	266
197110	71.00	72.40	1.40	<5	---	<.2	14	26	2	2	116
197112	81.40	83.90	2.50	160	---	1.0	332	35	14	6	124
197113	85.60	86.20	0.60	25	---	1.0	32	27	10	2	96
197114	88.00	89.90	1.90	<5	---	<.2	6	64	6	<2	104
FWN97-07											
197115	29.30	30.60	1.30	140	---	0.6	120	21	12	6	78
197116	30.60	32.30	1.70	<5	---	<.2	12	59	2	<2	92
197117	32.30	33.40	1.10	<5	---	<.2	32	33	6	4	78
197118	33.40	35.35	1.95	<5	---	<.2	30	33	6	6	314
197119	35.35	37.50	2.15	<5	---	0.2	32	68	6	14	98
197120	42.10	43.70	1.60	<5	---	<.2	10	60	8	14	66
197121	43.70	46.00	2.30	30	---	0.4	188	35	12	14	98
197122	46.00	47.85	1.85	10	---	0.2	20	54	8	16	60
197123	47.85	48.70	0.85	<5	---	<.2	22	22	8	4	38
197124	48.70	49.68	0.98	30	---	<.2	12	9	6	<2	30
197125	49.68	50.40	0.72	30	---	0.6	94	76	12	16	84
197126	63.60	65.40	1.80	<5	---	<.2	8	26	8	<2	68
197127	65.40	67.00	1.60	165	---	0.8	1890	17	20	6	90
197128	78.10	78.90	0.80	25	---	13.4	32	4060	490	4	1610
197129	87.17	88.20	1.03	<5	---	<.2	16	50	8	<2	90

APPENDIX D

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9720423

Comments: ATTN:S.HARRIS/J.LEHTINEN

CERTIFICATE A9720423

(EIA) - EQUITY ENGINEERING LTD.

Project: WKM 97-06
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 21-AUG-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	129	Geochem ring to approx 150 mesh
226	129	0-3 Kg crush and split
3202	129	Rock - save entire reject
229	129	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	129	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	6	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
2118	129	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	129	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	129	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	129	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	129	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	129	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	129	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	129	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	129	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	129	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	129	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	129	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	129	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	129	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	129	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	129	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	129	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	129	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	129	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	129	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	129	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	129	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	129	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	129	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	129	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	129	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	129	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	129	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	129	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	129	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	129	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	129	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : WKM 97-06
Comments: ATTN:S.HARRIS/J.LEHTINEN

Page Number :1-A
Total Pages :4
Certificate Date: 21-AUG-97
Invoice No. : I9720423
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9720423

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
197001	205	226	30	-----	1.0	0.60	122	20	0.5	2	0.77	3.5	22	24	3	5.21	< 10	1	0.28	< 10	0.38
197002	205	226	< 5	-----	0.8	0.75	14	30	0.5	< 2	0.66	1.0	19	16	23	4.94	< 10	1	0.28	10	0.40
197003	205	226	< 5	-----	< 0.2	0.99	10	30	0.5	< 2	0.86	< 0.5	19	12	< 1	5.79	< 10	< 1	0.31	10	0.48
197004	205	226	< 5	-----	< 0.2	0.74	4	30	0.5	< 2	1.83	< 0.5	17	12	5	4.37	< 10	< 1	0.26	< 10	0.75
197005	205	226	5	-----	1.0	0.46	6	20	0.5	< 2	2.99	0.5	19	9	57	4.53	< 10	< 1	0.20	< 10	1.09
197006	205	226	< 5	-----	< 0.2	0.82	8	30	1.0	< 2	1.89	< 0.5	17	11	13	4.55	< 10	< 1	0.27	10	0.68
197007	205	226	< 5	-----	< 0.2	0.67	10	30	1.0	< 2	4.33	< 0.5	20	12	16	4.59	< 10	< 1	0.20	10	0.87
197008	205	226	< 5	-----	< 0.2	2.22	14	60	0.5	< 2	4.17	< 0.5	19	15	11	4.57	< 10	< 1	0.18	10	1.49
197009	205	226	10	-----	0.4	0.86	6	30	0.5	< 2	3.31	0.5	21	15	169	5.06	< 10	< 1	0.20	< 10	1.00
197010	205	226	< 5	-----	< 0.2	0.93	< 2	30	0.5	< 2	1.02	< 0.5	18	7	1	5.17	< 10	< 1	0.23	< 10	0.51
197011	205	226	< 5	-----	< 0.2	0.94	4	20	0.5	< 2	1.04	0.5	22	10	< 1	6.82	< 10	< 1	0.21	10	0.62
197012	205	226	< 5	-----	< 0.2	1.01	12	20	0.5	< 2	0.72	0.5	21	7	< 1	4.73	< 10	< 1	0.23	< 10	0.36
197013	205	226	< 5	-----	0.6	0.91	6	40	0.5	< 2	2.22	0.5	22	10	13	4.30	< 10	1	0.23	< 10	0.82
197014	205	226	< 5	-----	0.4	0.91	14	30	0.5	< 2	3.61	< 0.5	19	11	44	4.70	< 10	< 1	0.20	< 10	1.17
197015	205	226	5	-----	3.8	0.74	74	30	0.5	< 2	0.52	1.5	19	22	112	2.45	< 10	1	0.40	< 10	0.25
197016	205	226	< 5	-----	< 0.2	0.82	6	20	0.5	< 2	3.00	< 0.5	16	9	10	4.41	< 10	< 1	0.20	10	0.83
197017	205	226	< 5	-----	< 0.2	0.81	14	30	0.5	< 2	1.16	0.5	16	8	10	4.07	< 10	< 1	0.26	10	0.44
197018	205	226	< 5	-----	< 0.2	0.72	14	20	0.5	< 2	0.99	< 0.5	21	8	5	5.53	< 10	< 1	0.25	10	0.42
197019	205	226	365	-----	2.8	0.55	928	30	0.5	< 2	1.15	3.0	29	14	27	5.09	< 10	< 1	0.32	< 10	0.30
197020	205	226	< 5	-----	0.4	0.79	32	30	1.0	< 2	0.59	0.5	27	7	8	5.92	< 10	< 1	0.32	10	0.31
197021	205	226	2000	2.02	6.0	0.77	2270	40	1.0	< 2	2.03	3.5	25	20	9	5.70	< 10	1	0.39	< 10	0.50
197022	205	226	10	-----	< 0.2	0.87	26	20	1.0	< 2	1.98	< 0.5	20	9	2	6.03	< 10	< 1	0.22	< 10	0.72
197023	205	226	< 5	-----	1.0	0.99	36	30	1.0	< 2	0.58	2.5	27	10	23	6.10	< 10	< 1	0.20	10	0.12
197024	205	226	170	-----	1.2	1.70	6	30	< 0.5	< 2	3.83	2.0	20	15	28	4.85	< 10	1	0.23	< 10	1.29
197025	205	226	< 5	-----	< 0.2	1.87	16	30	1.5	< 2	2.64	0.5	22	15	50	5.77	< 10	< 1	0.29	< 10	0.84
197026	205	226	130	-----	3.8	0.79	264	30	1.5	< 2	0.72	0.5	28	10	28	5.21	< 10	< 1	0.36	< 10	0.16
197027	205	226	< 5	-----	< 0.2	1.00	22	30	1.5	< 2	1.04	< 0.5	23	10	9	6.16	< 10	1	0.26	10	0.40
197028	205	226	20	-----	0.4	0.69	166	40	1.0	< 2	2.00	< 0.5	29	14	5	5.35	< 10	1	0.32	< 10	0.55
197029	205	226	10	-----	0.6	0.64	52	40	0.5	< 2	0.43	1.5	21	11	25	4.05	< 10	< 1	0.36	10	0.12
197030	205	226	< 5	-----	0.4	0.68	20	30	0.5	< 2	0.51	1.0	23	12	15	5.01	< 10	< 1	0.31	10	0.34
197031	205	226	20	-----	2.6	0.65	12	30	0.5	< 2	1.52	1.5	30	15	18	6.07	< 10	< 1	0.29	< 10	0.53
197032	205	226	15	-----	1.8	0.76	20	30	0.5	< 2	2.81	2.5	18	13	81	4.37	< 10	< 1	0.29	< 10	0.75
197033	205	226	10	-----	< 0.2	2.46	8	40	< 0.5	< 2	4.53	< 0.5	15	21	49	4.31	< 10	< 1	0.18	< 10	0.97
197034	205	226	< 5	-----	< 0.2	0.87	88	30	1.0	< 2	1.82	< 0.5	19	12	44	4.37	< 10	< 1	0.36	10	0.60
197035	205	226	< 5	-----	0.2	0.85	44	40	0.5	< 2	2.82	< 0.5	18	17	46	4.50	< 10	< 1	0.31	< 10	0.86
197036	205	226	< 5	-----	< 0.2	0.87	2	160	0.5	< 2	3.42	< 0.5	17	12	12	4.66	< 10	< 1	0.17	< 10	1.14
197037	205	226	< 5	-----	< 0.2	0.91	12	30	0.5	< 2	2.12	< 0.5	21	13	6	5.32	< 10	< 1	0.14	< 10	0.89
197038	205	226	5	-----	0.4	0.86	56	110	0.5	< 2	3.53	< 0.5	17	13	25	4.31	< 10	< 1	0.32	< 10	1.16
197039	205	226	10	-----	0.2	1.03	306	40	1.0	< 2	1.37	< 0.5	16	14	23	4.48	< 10	1	0.39	10	0.44
197040	205	226	< 5	-----	0.4	1.19	28	30	1.5	< 2	0.95	< 0.5	14	12	19	4.48	< 10	< 1	0.33	10	0.37

CERTIFICATION: Ian Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : WKM 97-06
Comments: ATTN:S.HARRIS/J.LEHTINEN

Certificate Date: 21-AUG-97
Invoice No. : I9720423
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9720423

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
197001	205	226	6010	< 1	< 0.01	3	1130	86	4	4	15	< 0.01	< 10	< 10	30	< 10	880
197002	205	226	6880	< 1	< 0.01	2	1500	60	8	4	14	< 0.01	< 10	< 10	32	< 10	570
197003	205	226	4430	< 1	0.01	1	1420	10	4	8	15	< 0.01	< 10	< 10	61	10	286
197004	205	226	2060	< 1	0.01	3	1090	8	4	5	33	< 0.01	< 10	< 10	49	< 10	194
197005	205	226	3360	< 1	< 0.01	2	1300	16	< 2	4	38	< 0.01	< 10	< 10	35	< 10	350
197006	205	226	2390	< 1	< 0.01	3	1320	10	2	7	31	< 0.01	< 10	< 10	63	< 10	140
197007	205	226	1900	< 1	< 0.01	3	1370	12	2	8	75	< 0.01	< 10	< 10	60	< 10	108
197008	205	226	1395	< 1	0.02	3	1280	2	< 2	6	77	< 0.01	< 10	< 10	62	< 10	78
197009	205	226	3090	< 1	< 0.01	4	1280	8	2	8	40	< 0.01	< 10	< 10	72	< 10	180
197010	205	226	5110	< 1	< 0.01	< 1	1310	2	< 2	7	15	< 0.01	< 10	< 10	66	< 10	136
197011	205	226	4510	< 1	< 0.01	3	1380	4	2	8	16	< 0.01	< 10	< 10	94	< 10	246
197012	205	226	3790	< 1	< 0.01	2	1450	10	2	11	15	< 0.01	< 10	< 10	69	< 10	396
197013	205	226	3900	< 1	< 0.01	3	1210	4	< 2	6	20	< 0.01	< 10	< 10	54	< 10	420
197014	205	226	2780	< 1	< 0.01	4	1200	10	14	7	59	< 0.01	< 10	< 10	83	< 10	142
197015	205	226	1965	< 1	< 0.01	3	910	76	42	6	12	< 0.01	< 10	< 10	38	< 10	258
197016	205	226	1635	< 1	< 0.01	3	1380	4	6	6	36	< 0.01	< 10	< 10	65	10	80
197017	205	226	3700	< 1	< 0.01	1	1540	6	2	6	17	< 0.01	< 10	< 10	42	< 10	240
197018	205	226	5790	< 1	< 0.01	1	1410	2	2	8	12	< 0.01	< 10	< 10	68	< 10	92
197019	205	226	4800	1	< 0.01	3	1190	60	20	6	14	< 0.01	< 10	< 10	31	< 10	440
197020	205	226	4990	< 1	< 0.01	2	1400	34	6	9	11	< 0.01	< 10	< 10	54	< 10	178
197021	205	226	4630	1	< 0.01	3	1330	84	10	7	20	< 0.01	< 10	< 10	34	< 10	508
197022	205	226	4590	< 1	< 0.01	< 1	1370	12	8	10	34	< 0.01	< 10	< 10	107	10	112
197023	205	226	3740	< 1	< 0.01	3	1420	28	4	10	20	< 0.01	< 10	< 10	89	< 10	372
197024	205	226	5230	< 1	0.01	1	1430	262	< 2	3	62	< 0.01	< 10	< 10	38	< 10	484
197025	205	226	1885	< 1	< 0.01	3	1210	16	12	6	33	< 0.01	< 10	< 10	67	< 10	122
197026	205	226	2180	< 1	< 0.01	4	1260	44	14	4	12	< 0.01	< 10	< 10	21	< 10	154
197027	205	226	>10000	< 1	< 0.01	5	1230	8	< 2	8	14	< 0.01	< 10	< 10	56	< 10	56
197028	205	226	4050	< 1	< 0.01	5	1200	14	6	10	17	< 0.01	< 10	< 10	30	< 10	142
197029	205	226	1595	1	< 0.01	4	1380	54	8	5	11	< 0.01	< 10	< 10	23	< 10	320
197030	205	226	3290	< 1	< 0.01	1	1380	36	4	7	14	< 0.01	< 10	< 10	36	< 10	292
197031	205	226	5340	5	0.01	2	1390	60	< 2	5	25	< 0.01	< 10	< 10	36	< 10	388
197032	205	226	8250	1	0.01	4	1170	56	6	3	40	< 0.01	< 10	< 10	35	< 10	398
197033	205	226	1135	1	0.08	2	2080	2	< 2	2	95	< 0.01	< 10	< 10	49	< 10	96
197034	205	226	2570	< 1	< 0.01	1	1480	6	2	4	55	< 0.01	< 10	< 10	39	< 10	88
197035	205	226	2110	< 1	< 0.01	1	1320	2	8	4	54	< 0.01	< 10	< 10	40	< 10	88
197036	205	226	1385	< 1	< 0.01	1	1420	< 2	2	5	66	< 0.01	< 10	< 10	64	< 10	80
197037	205	226	1900	< 1	< 0.01	1	1430	2	< 2	6	36	< 0.01	< 10	< 10	75	< 10	94
197038	205	226	1745	< 1	< 0.01	2	1140	4	2	6	71	< 0.01	< 10	< 10	49	< 10	100
197039	205	226	4280	< 1	< 0.01	1	1690	8	2	6	40	< 0.01	< 10	< 10	35	< 10	138
197040	205	226	4590	< 1	< 0.01	< 1	1670	10	4	5	34	< 0.01	< 10	< 10	43	< 10	122

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : WKM 97-06
Comments: ATTN:S.HARRIS/J.LEHTINEN

Page Number :2-A
Total Pages :4
Certificate Date: 21-AUG-97
Invoice No. : I9720423
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9720423

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
197041	205	226	60	-----	0.6	1.09	254	70	1.0	< 2	0.60	1.0	16	34	7	3.14	< 10	1	0.51	10	0.16
197042	205	226	575	-----	2.2	0.40	1750	20	0.5	< 2	1.18	1.5	18	42	11	2.63	< 10	< 1	0.27	< 10	0.27
197043	205	226	25	-----	0.6	0.87	206	30	1.5	< 2	1.13	0.5	32	12	2	5.44	< 10	< 1	0.51	< 10	0.23
197044	205	226	345	-----	1.4	0.56	1530	20	1.0	< 2	0.62	0.5	26	24	12	3.76	< 10	< 1	0.36	< 10	0.15
197045	205	226	345	-----	1.8	1.02	1420	30	1.0	< 2	0.83	2.0	22	24	14	3.54	< 10	< 1	0.58	10	0.20
197046	205	226	< 5	-----	0.6	0.72	24	30	0.5	< 2	0.65	< 0.5	27	10	42	5.55	< 10	< 1	0.23	10	0.53
197047	205	226	< 5	-----	0.6	1.16	16	60	0.5	< 2	0.52	2.0	22	14	37	5.32	< 10	< 1	0.41	10	0.38
197048	205	226	< 5	-----	0.2	0.86	18	50	0.5	< 2	0.71	< 0.5	24	12	31	5.22	< 10	< 1	0.32	10	0.45
197049	205	226	130	-----	< 0.2	1.14	14	90	0.5	< 2	1.88	< 0.5	18	15	46	5.00	< 10	< 1	0.40	10	0.91
197050	205	226	80	-----	2.4	0.97	508	30	2.0	< 2	1.27	< 0.5	27	8	16	5.67	< 10	1	0.43	< 10	0.31
197051	205	226	< 5	-----	3.2	1.32	214	40	1.5	< 2	0.51	< 0.5	24	16	17	4.82	< 10	< 1	0.70	< 10	0.10
197052	205	226	< 5	-----	0.8	0.99	24	100	1.5	< 2	0.69	< 0.5	26	10	27	5.46	< 10	< 1	0.27	< 10	0.38
197053	205	226	< 5	-----	0.6	1.36	58	30	1.5	< 2	0.80	< 0.5	21	14	28	3.89	< 10	1	0.74	10	0.26
197054	205	226	30	-----	1.4	1.17	172	20	2.0	< 2	0.64	< 0.5	29	7	11	5.99	< 10	< 1	0.46	< 10	0.22
197055	205	226	< 5	-----	0.4	1.29	36	30	2.0	< 2	0.85	< 0.5	22	8	28	5.36	< 10	1	0.52	< 10	0.35
197056	205	226	70	-----	2.8	0.75	212	10	1.5	< 2	0.62	< 0.5	26	7	28	5.36	< 10	< 1	0.44	< 10	0.12
197057	205	226	125	-----	1.2	0.94	282	40	1.0	< 2	0.61	< 0.5	21	17	10	4.32	< 10	1	0.52	< 10	0.16
197058	205	226	< 5	-----	0.2	0.70	36	110	1.0	< 2	0.63	< 0.5	18	7	8	5.42	< 10	< 1	0.33	< 10	0.31
197059	205	226	130	-----	3.2	1.14	370	40	1.5	< 2	0.50	0.5	16	24	27	3.78	< 10	< 1	0.53	10	0.12
197060	205	226	< 5	-----	< 0.2	0.89	18	30	1.5	< 2	0.99	< 0.5	16	7	4	4.67	< 10	1	0.30	10	0.46
197061	205	226	580	-----	6.6	1.40	3690	30	2.0	< 2	0.61	< 0.5	29	14	14	4.26	< 10	< 1	0.59	10	0.13
197062	205	226	< 5	-----	< 0.2	0.92	20	100	1.0	< 2	1.33	< 0.5	15	7	7	3.94	< 10	< 1	0.32	10	0.53
197063	205	226	10	-----	0.2	1.27	176	40	1.5	< 2	0.80	< 0.5	15	11	7	3.86	< 10	< 1	0.52	10	0.29
197064	205	226	30	-----	0.6	0.93	500	30	1.5	< 2	1.07	0.5	15	8	12	4.05	< 10	< 1	0.44	10	0.30
197065	205	226	140	-----	1.8	1.02	622	80	1.0	< 2	0.94	< 0.5	17	10	11	4.46	< 10	< 1	0.43	10	0.30
197066	205	226	< 5	-----	0.2	0.85	16	40	0.5	< 2	1.29	< 0.5	20	9	8	4.54	< 10	< 1	0.36	10	0.51
197067	205	226	120	-----	1.2	1.10	1200	40	1.0	< 2	0.81	< 0.5	24	17	17	4.54	< 10	1	0.53	10	0.26
197068	205	226	< 5	-----	< 0.2	0.83	26	30	0.5	< 2	1.26	< 0.5	20	10	13	4.39	< 10	< 1	0.29	10	0.50
197069	205	226	30	-----	0.6	1.03	150	60	1.5	< 2	2.91	2.0	21	16	7	5.35	< 10	< 1	0.55	< 10	0.82
197070	205	226	50	-----	0.4	0.69	220	80	1.0	< 2	1.79	< 0.5	21	9	29	4.82	< 10	< 1	0.34	10	0.60
197071	205	226	275	-----	2.2	0.88	638	60	1.0	< 2	1.94	0.5	21	19	17	4.80	< 10	< 1	0.39	< 10	0.60
197072	205	226	10	-----	1.0	0.60	54	80	0.5	< 2	1.74	3.0	37	10	38	5.52	< 10	< 1	0.37	< 10	0.59
197073	205	226	50	-----	1.0	1.07	152	100	1.0	< 2	2.27	< 0.5	26	12	34	5.76	< 10	1	0.45	< 10	0.95
197074	205	226	30	-----	0.6	0.59	98	50	1.0	< 2	4.00	< 0.5	30	16	34	5.08	< 10	1	0.35	< 10	1.33
197075	205	226	< 5	-----	0.2	1.44	26	70	1.0	< 2	0.47	< 0.5	16	16	103	3.33	< 10	< 1	0.31	10	0.21
197076	205	226	< 5	-----	< 0.2	0.87	52	40	0.5	< 2	0.45	< 0.5	18	14	18	3.68	< 10	< 1	0.45	< 10	0.20
197077	205	226	< 5	-----	< 0.2	0.62	32	30	0.5	< 2	0.34	< 0.5	13	15	8	2.41	< 10	< 1	0.26	< 10	0.18
197078	205	226	10	-----	0.2	0.66	246	30	0.5	< 2	0.45	< 0.5	20	12	42	3.92	< 10	< 1	0.32	< 10	0.19
197079	205	226	< 5	-----	< 0.2	1.41	80	60	1.5	< 2	1.72	< 0.5	18	12	39	4.73	< 10	< 1	0.43	10	0.66
197080	205	226	< 5	-----	< 0.2	0.48	8	< 10	0.5	< 2	0.27	< 0.5	< 1	26	< 1	0.38	< 10	< 1	0.27	< 10	0.04

CERTIFICATION: _____

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CERTIFICATE OF ANALYSIS A9720423

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
197041	205	226	2100	2	< 0.01	1	1280	38	2	4	33	< 0.01	< 10	< 10	23	< 10	246
197042	205	226	1650	4	< 0.01	3	840	68	6	2	19	< 0.01	< 10	< 10	13	< 10	348
197043	205	226	3830	< 1	< 0.01	5	1510	18	2	9	25	< 0.01	< 10	< 10	28	< 10	246
197044	205	226	1410	1	< 0.01	3	1110	24	8	3	20	< 0.01	< 10	< 10	17	< 10	186
197045	205	226	1510	4	< 0.01	2	1170	36	8	4	24	< 0.01	< 10	< 10	20	< 10	224
197046	205	226	2550	1	< 0.01	3	1590	6	8	6	12	< 0.01	< 10	< 10	43	< 10	114
197047	205	226	2810	1	0.01	1	1510	38	6	6	11	< 0.01	< 10	< 10	42	< 10	206
197048	205	226	2510	< 1	< 0.01	1	1550	2	6	7	12	< 0.01	< 10	< 10	56	< 10	86
197049	205	226	1860	< 1	0.01	1	1310	2	12	6	25	< 0.01	< 10	< 10	39	< 10	120
197050	205	226	2130	< 1	< 0.01	3	1370	14	16	4	28	< 0.01	< 10	< 10	22	< 10	122
197051	205	226	1205	1	< 0.01	4	1350	14	12	6	22	< 0.01	< 10	< 10	30	< 10	128
197052	205	226	6030	< 1	< 0.01	3	1340	2	6	9	22	< 0.01	< 10	< 10	56	< 10	46
197053	205	226	6070	1	< 0.01	1	1390	6	6	8	28	< 0.01	< 10	< 10	58	< 10	94
197054	205	226	4240	< 1	< 0.01	1	1600	12	12	6	34	< 0.01	< 10	< 10	40	< 10	96
197055	205	226	6070	1	< 0.01	1	1450	6	8	8	31	< 0.01	< 10	< 10	49	< 10	64
197056	205	226	2840	1	< 0.01	3	1450	16	14	6	28	< 0.01	< 10	< 10	27	< 10	156
197057	205	226	3750	3	< 0.01	2	1230	16	8	7	19	< 0.01	< 10	< 10	38	< 10	70
197058	205	226	6690	1	< 0.01	< 1	1300	10	6	7	21	< 0.01	< 10	< 10	43	< 10	104
197059	205	226	2640	1	< 0.01	1	1300	18	12	5	21	< 0.01	< 10	< 10	27	< 10	176
197060	205	226	2830	< 1	< 0.01	1	1650	2	2	7	22	< 0.01	< 10	< 10	55	< 10	84
197061	205	226	1490	1	< 0.01	2	1550	50	14	2	32	< 0.01	< 10	< 10	22	< 10	266
197062	205	226	2180	< 1	< 0.01	< 1	1490	< 2	2	6	28	< 0.01	< 10	< 10	46	< 10	82
197063	205	226	3680	< 1	< 0.01	1	1480	10	4	6	30	< 0.01	< 10	< 10	34	< 10	142
197064	205	226	3220	< 1	< 0.01	1	1570	12	6	4	34	< 0.01	< 10	< 10	21	< 10	224
197065	205	226	2850	2	< 0.01	1	1430	30	8	5	29	< 0.01	< 10	< 10	29	< 10	184
197066	205	226	3370	< 1	< 0.01	1	1150	6	< 2	7	30	< 0.01	< 10	< 10	43	< 10	100
197067	205	226	2280	4	< 0.01	4	1320	18	10	5	25	< 0.01	< 10	< 10	32	< 10	128
197068	205	226	3220	< 1	< 0.01	3	1550	< 2	< 2	6	23	< 0.01	< 10	< 10	42	< 10	98
197069	205	226	3830	4	< 0.01	3	1450	20	4	9	36	< 0.01	< 10	< 10	43	< 10	618
197070	205	226	3690	1	< 0.01	3	1410	8	8	8	24	< 0.01	< 10	< 10	41	< 10	142
197071	205	226	2820	3	< 0.01	4	1110	24	8	7	26	< 0.01	< 10	< 10	54	< 10	284
197072	205	226	4000	6	< 0.01	6	1030	24	6	8	22	< 0.01	< 10	< 10	45	< 10	908
197073	205	226	2750	1	< 0.01	4	1170	6	10	8	36	< 0.01	< 10	< 10	50	< 10	86
197074	205	226	3270	4	< 0.01	9	850	< 2	10	9	51	< 0.01	< 10	< 10	44	< 10	102
197075	205	226	1955	2	< 0.01	< 1	1530	4	24	5	15	< 0.01	< 10	< 10	21	< 10	80
197076	205	226	1465	143	< 0.01	1	1390	14	6	5	14	< 0.01	< 10	< 10	28	< 10	140
197077	205	226	1580	791	< 0.01	< 1	1090	30	12	3	9	< 0.01	< 10	< 10	15	< 10	124
197078	205	226	1300	12	< 0.01	3	1210	12	14	4	20	< 0.01	< 10	< 10	22	< 10	138
197079	205	226	2370	1	< 0.01	1	1630	2	6	7	30	< 0.01	< 10	< 10	59	< 10	72
197080	205	226	380	< 1	< 0.01	< 1	20	6	< 2	< 1	10	< 0.01	< 10	< 10	< 1	< 10	8

CERTIFICATION:_____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : WKM 97-06
Comments: ATTN:S.HARRIS/J.LEHTINEN

Certificate Date: 21-AUG-97
Invoice No. : I9720423
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9720423

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
197081	205	226	10	-----	2.4	1.14	32	80	1.5	< 2	3.19	< 0.5	20	15	47	4.20	< 10	< 1	0.48	< 10	0.89
197082	205	226	< 5	-----	0.2	1.32	70	10	1.5	< 2	0.76	< 0.5	29	11	18	3.62	< 10	< 1	0.30	10	0.25
197083	205	226	95	-----	1.8	0.89	752	20	1.0	< 2	0.58	< 0.5	11	20	2	2.40	< 10	< 1	0.42	< 10	0.17
197084	205	226	60	-----	1.4	0.65	142	< 10	0.5	< 2	0.09	< 0.5	< 1	37	1	0.31	< 10	< 1	0.33	< 10	0.03
197085	205	226	25	-----	3.8	0.55	46	< 10	0.5	< 2	0.22	< 0.5	< 1	34	10	0.39	< 10	< 1	0.30	< 10	0.07
197086	205	226	10	-----	3.2	0.58	20	< 10	0.5	< 2	0.08	< 0.5	< 1	42	10	0.27	< 10	< 1	0.31	< 10	0.02
197087	205	226	5	-----	0.8	0.64	36	< 10	0.5	< 2	0.08	< 0.5	< 1	41	5	0.27	< 10	< 1	0.34	< 10	0.02
197088	205	226	10	-----	1.4	0.67	34	< 10	0.5	< 2	0.07	< 0.5	< 1	54	4	0.27	< 10	< 1	0.34	< 10	0.03
197089	205	226	10	-----	0.8	0.54	30	< 10	0.5	< 2	0.06	< 0.5	< 1	39	1	0.25	< 10	< 1	0.30	< 10	0.01
197090	205	226	55	-----	0.6	0.66	120	< 10	0.5	< 2	0.07	< 0.5	< 1	68	1	0.30	< 10	< 1	0.35	< 10	0.02
197091	205	226	20	-----	< 0.2	0.55	28	< 10	0.5	< 2	0.09	< 0.5	< 1	56	< 1	0.28	< 10	< 1	0.31	< 10	0.03
197092	205	226	575	-----	4.4	0.80	1295	< 10	0.5	< 2	0.40	< 0.5	6	39	8	1.03	< 10	< 1	0.48	< 10	0.13
197093	205	226	210	-----	3.0	0.66	892	< 10	0.5	< 2	0.70	< 0.5	10	29	12	2.06	< 10	< 1	0.36	< 10	0.21
197094	205	226	1620	1.58	0.2	1.09	16	30	0.5	< 2	2.16	1.0	22	28	31	5.21	< 10	< 1	0.26	< 10	0.80
197095	205	226	300	-----	0.6	1.40	62	40	0.5	< 2	1.19	1.5	22	13	47	5.85	< 10	< 1	0.47	< 10	0.57
197096	205	226	< 5	-----	0.8	1.46	114	10	2.0	< 2	0.80	< 0.5	27	17	35	7.18	< 10	< 1	0.27	< 10	0.51
197097	205	226	< 5	-----	0.2	1.07	114	30	1.0	< 2	1.85	< 0.5	20	14	62	3.89	< 10	< 1	0.53	10	0.62
197098	205	226	30	-----	0.4	1.04	282	40	0.5	< 2	0.44	1.5	23	20	30	5.34	< 10	< 1	0.54	< 10	0.29
197099	205	226	30	-----	0.8	0.92	240	50	0.5	< 2	0.31	2.0	21	20	37	4.70	< 10	< 1	0.47	< 10	0.08
197100	205	226	680	-----	7.2	0.88	2350	40	0.5	< 2	0.35	2.0	23	25	45	5.87	< 10	< 1	0.43	< 10	0.06
197101	205	226	1680	1.61	42.4	0.69	1835	50	0.5	< 2	0.25	1.5	19	35	29	4.33	< 10	< 1	0.34	< 10	0.04
197102	205	226	1365	1.23	56.8	0.87	2690	40	0.5	< 2	0.26	1.5	18	40	24	5.08	< 10	< 1	0.39	< 10	0.04
197103	205	226	2340	2.33	11.0	0.69	5370	30	0.5	< 2	0.25	2.0	23	26	52	5.00	< 10	< 1	0.40	< 10	0.06
197104	205	226	< 5	-----	3.0	1.13	232	50	1.5	< 2	0.51	0.5	23	21	78	5.26	< 10	< 1	0.57	< 10	0.29
197105	205	226	1700	1.68	50.0	0.63	2640	10	0.5	< 2	0.15	5.0	16	49	34	3.65	< 10	< 1	0.27	< 10	0.03
197106	205	226	65	-----	3.0	1.03	246	30	1.0	< 2	0.30	2.0	24	20	76	4.94	< 10	< 1	0.44	< 10	0.10
197107	205	226	< 5	-----	0.2	1.10	16	30	0.5	< 2	2.19	1.0	22	29	31	5.27	< 10	< 1	0.26	< 10	0.81
197108	205	226	10	-----	0.6	1.43	66	40	0.5	< 2	1.23	1.5	22	12	48	5.96	< 10	< 1	0.47	< 10	0.58
197109	205	226	250	-----	1.8	0.82	1385	30	1.0	< 2	2.70	1.5	17	14	22	5.23	< 10	< 1	0.40	< 10	0.81
197110	205	226	< 5	-----	< 0.2	1.21	14	170	0.5	< 2	2.02	< 0.5	18	10	26	4.96	< 10	< 1	0.37	< 10	0.66
197111	205	226	15	-----	< 0.2	0.87	32	50	0.5	< 2	0.42	1.5	19	15	13	5.49	< 10	< 1	0.50	< 10	0.39
197112	205	226	160	-----	1.0	1.32	332	20	1.0	< 2	2.51	< 0.5	21	9	35	5.28	< 10	< 1	0.39	< 10	0.56
197113	205	226	25	-----	1.0	2.34	32	160	0.5	< 2	2.89	< 0.5	19	15	27	4.70	< 10	< 1	0.39	< 10	1.20
197114	205	226	< 5	-----	< 0.2	1.78	6	190	0.5	< 2	2.20	< 0.5	23	26	64	4.81	< 10	< 1	0.51	10	0.88
197115	205	226	140	-----	0.6	0.94	120	50	0.5	< 2	2.91	< 0.5	18	12	21	4.83	< 10	< 1	0.39	< 10	0.74
197116	205	226	< 5	-----	< 0.2	1.11	12	70	0.5	< 2	0.75	< 0.5	29	17	59	5.38	< 10	< 1	0.47	< 10	0.38
197117	205	226	< 5	-----	< 0.2	0.79	32	50	0.5	< 2	0.38	< 0.5	20	15	33	4.66	< 10	< 1	0.31	< 10	0.33
197118	205	226	< 5	-----	< 0.2	0.97	30	50	0.5	< 2	0.38	1.5	23	19	33	5.44	< 10	< 1	0.42	10	0.29
197119	205	226	< 5	-----	0.2	0.87	32	20	0.5	< 2	0.46	0.5	24	18	68	5.69	< 10	< 1	0.31	10	0.22
197120	205	226	< 5	-----	< 0.2	1.01	10	10	1.0	< 2	0.51	< 0.5	18	17	60	4.75	< 10	< 1	0.29	10	0.31

CERTIFICATION:_____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : WKM 97-06
Comments: ATTN:S.HARRIS/J.LEHTINEN

Page Number :3-B
Total Pages :4
Certificate Date: 21-AUG-97
Invoice No. :I9720423
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9720423

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
197081	205	226	2210	3	< 0.01	4	1210	8	8	8	49	< 0.01	< 10	< 10	55	< 10	76
197082	205	226	2710	4	< 0.01	3	1440	10	6	6	36	< 0.01	< 10	10	44	< 10	112
197083	205	226	790	9	< 0.01	1	680	12	8	2	28	< 0.01	< 10	< 10	12	< 10	170
197084	205	226	65	< 1	< 0.01	< 1	20	8	< 2	< 1	24	< 0.01	< 10	< 10	< 1	< 10	12
197085	205	226	185	1	< 0.01	< 1	10	10	4	< 1	24	< 0.01	< 10	< 10	< 1	< 10	18
197086	205	226	35	< 1	< 0.01	< 1	10	10	4	< 1	24	< 0.01	< 10	< 10	< 1	< 10	14
197087	205	226	35	< 1	< 0.01	< 1	10	12	2	< 1	25	< 0.01	< 10	< 10	< 1	< 10	14
197088	205	226	30	< 1	< 0.01	< 1	< 10	8	< 2	< 1	25	< 0.01	< 10	< 10	< 1	< 10	12
197089	205	226	30	< 1	< 0.01	< 1	< 10	10	2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	8
197090	205	226	25	< 1	< 0.01	< 1	< 10	14	< 2	< 1	24	< 0.01	< 10	< 10	< 1	< 10	18
197091	205	226	80	< 1	< 0.01	< 1	< 10	2	< 2	< 1	21	< 0.01	< 10	< 10	< 1	< 10	2
197092	205	226	545	6	< 0.01	3	220	10	6	2	21	< 0.01	< 10	20	12	< 10	74
197093	205	226	790	3	< 0.01	5	160	12	8	5	35	< 0.01	< 10	10	15	< 10	106
197094	205	226	3410	< 1	< 0.01	9	920	62	2	13	20	< 0.01	< 10	< 10	97	< 10	312
197095	205	226	3730	< 1	< 0.01	3	1210	56	6	7	18	< 0.01	< 10	< 10	63	< 10	368
197096	205	226	9440	< 1	< 0.01	11	820	6	8	13	60	< 0.01	< 10	< 10	90	< 10	38
197097	205	226	2850	1	< 0.01	8	910	2	16	7	46	< 0.01	< 10	< 10	35	< 10	58
197098	205	226	3810	1	< 0.01	10	950	30	8	9	8	< 0.01	< 10	< 10	53	< 10	370
197099	205	226	1395	3	< 0.01	7	980	40	12	5	8	< 0.01	< 10	< 10	34	< 10	376
197100	205	226	2890	2	< 0.01	9	1120	34	24	4	8	< 0.01	< 10	< 10	26	< 10	258
197101	205	226	1560	3	< 0.01	7	830	36	60	3	7	< 0.01	< 10	< 10	19	< 10	288
197102	205	226	635	4	< 0.01	8	910	56	64	3	9	< 0.01	< 10	< 10	20	< 10	260
197103	205	226	1735	3	< 0.01	9	810	54	22	5	7	< 0.01	< 10	< 10	26	< 10	428
197104	205	226	5060	3	< 0.01	9	1240	26	20	12	11	< 0.01	< 10	< 10	60	< 10	244
197105	205	226	310	4	< 0.01	8	440	202	34	2	6	< 0.01	< 10	< 10	25	< 10	656
197106	205	226	1920	8	< 0.01	10	610	84	22	6	18	< 0.01	< 10	< 10	45	< 10	460
197107	205	226	3450	1	< 0.01	10	910	64	2	13	20	< 0.01	< 10	< 10	97	< 10	314
197108	205	226	3800	< 1	< 0.01	1	1200	54	4	7	18	< 0.01	< 10	< 10	64	< 10	380
197109	205	226	4330	< 1	< 0.01	< 1	1320	28	8	8	21	< 0.01	< 10	< 10	32	< 10	266
197110	205	226	2200	< 1	< 0.01	< 1	1210	2	2	8	45	< 0.01	< 10	< 10	66	< 10	116
197111	205	226	4690	1	< 0.01	7	940	20	2	12	8	< 0.01	< 10	< 10	60	< 10	344
197112	205	226	2050	< 1	< 0.01	3	1480	14	6	7	47	< 0.01	< 10	< 10	52	< 10	124
197113	205	226	1860	< 1	0.05	1	1430	10	2	6	78	0.03	< 10	< 10	81	< 10	96
197114	205	226	1685	< 1	< 0.01	10	1320	6	< 2	7	47	< 0.01	< 10	< 10	78	< 10	104
197115	205	226	3190	< 1	< 0.01	< 1	1470	12	6	6	43	< 0.01	< 10	< 10	32	< 10	78
197116	205	226	2010	2	< 0.01	12	860	2	< 2	4	12	< 0.01	< 10	< 10	47	< 10	92
197117	205	226	2360	< 1	< 0.01	9	1010	6	4	6	9	< 0.01	< 10	< 10	44	< 10	78
197118	205	226	2870	< 1	< 0.01	8	900	6	6	8	8	< 0.01	< 10	< 10	51	< 10	314
197119	205	226	2780	1	< 0.01	8	1210	6	14	8	10	< 0.01	< 10	< 10	45	< 10	98
197120	205	226	2560	< 1	< 0.01	6	1190	8	14	11	11	< 0.01	< 10	< 10	69	< 10	66

CERTIFICATION: David Buchholz

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SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
197121	205	226	30	-----	0.4	0.83	188	50	0.5	< 2	0.22	< 0.5	11	24	35	2.84	< 10	< 1	0.32	10	0.04
197122	205	226	10	-----	0.2	0.80	20	30	0.5	< 2	0.26	< 0.5	19	10	54	5.89	< 10	< 1	0.18	10	0.08
197123	205	226	< 5	-----	< 0.2	0.72	22	30	0.5	< 2	0.19	< 0.5	18	12	22	7.06	< 10	< 1	0.20	< 10	0.13
197124	205	226	30	-----	< 0.2	0.53	12	10	< 0.5	< 2	0.40	< 0.5	13	19	9	3.66	< 10	< 1	0.18	< 10	0.21
197125	205	226	30	-----	0.6	0.75	94	40	0.5	< 2	1.13	< 0.5	31	11	76	5.80	< 10	< 1	0.18	< 10	0.50
197126	205	226	< 5	-----	< 0.2	1.29	8	40	< 0.5	< 2	2.39	< 0.5	23	22	26	5.92	< 10	< 1	0.19	< 10	0.91
197127	205	226	165	-----	0.8	0.82	1890	50	0.5	< 2	2.71	< 0.5	25	18	17	5.42	< 10	< 1	0.29	< 10	0.82
197128	205	226	25	-----	13.4	7.72	32	190	< 0.5	< 2	2.78	16.0	25	28	4060	6.97	10	< 1	1.86	< 10	2.05
197129	205	226	< 5	-----	< 0.2	2.91	16	90	< 0.5	< 2	1.61	< 0.5	16	28	50	4.81	< 10	< 1	0.28	< 10	1.00

CERTIFICATION:

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
197121	205	226	690	1	0.01	3	500	12	14	1	14	< 0.01	< 10	< 10	9	< 10	98
197122	205	226	585	1	0.08	5	670	8	16	2	27	< 0.01	< 10	< 10	37	< 10	60
197123	205	226	920	1	0.04	8	220	8	4	4	18	< 0.01	< 10	< 10	27	< 10	38
197124	205	226	1040	1	0.04	3	170	6	< 2	5	15	< 0.01	< 10	< 10	31	< 10	30
197125	205	226	1500	< 1	0.03	10	790	12	16	7	27	< 0.01	< 10	< 10	40	< 10	84
197126	205	226	1220	1	0.04	5	870	8	< 2	4	51	< 0.01	< 10	< 10	30	< 10	68
197127	205	226	1870	1	< 0.01	4	1280	20	6	6	36	< 0.01	< 10	< 10	40	< 10	90
197128	205	226	2250	2	0.42	< 1	1060	490	4	7	400	0.15	< 10	< 10	152	< 10	1610
197129	205	226	645	< 1	0.18	< 1	2150	8	< 2	5	334	0.10	< 10	< 10	91	< 10	90

CERTIFICATION:_____

APPENDIX E

GEOLOGIST'S AND ENGINEER'S CERTIFICATES

GEOLOGIST'S CERTIFICATE

I, Jim Lehtinen, of 4317 Briardale Road, Royston in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with Equity Engineering Ltd. with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.

3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based on a diamond drilling program I supervised in March and April of 1997, and on publicly available reports.

DATED at Vancouver, British Columbia, this ___ day of October, 1997.

_____

Jim Lehtinen, P.Geo.

ENGINEER'S CERTIFICATE

I, Henry J. Awmack, of 1735 Larch Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geological Engineer with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with an Honours Bachelor of Applied Science degree in Geological Engineering.

3. THAT I am a Professional Engineer registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based on fieldwork carried out under my direction during March and April of 1997, and on publicly available reports. I have examined the property in the field.

DATED at Vancouver, British Columbia, this 20th day of October, 1997.

Henry J. Awmack, P.Eng.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
H. J. AWMACK

FAWN 5
305450 (10)

FAWN 1
243221 (3)

FAWN 2
301430 (6)

FAWN 6
322193 (10)

FAWN 3
301431 (6)

FAWN 4
301432 (6)

FAWN 7
323869 (2)

VAN TINE ROAD

VAN TINE CK.

SQUARE LAKE

KLUSKUS - MALAPUT ROAD

M-2000 ROAD

Base Line

GIVER ZONE
See Figure 5

MALAPUT SHOWING

FWN 94-05 (-, -90°; 106.7m)

FWN 94-06 (182°, -56.5°; 137.8m)

FWN 94-01 (-, -90°; 137.2m)

FWN 94-02

FWN 94-03

FWN 94-04

FWN97-01

FWN97-02
GIVER SPLAY

FWN97-03

FWN97-04

FWN97-05

FWN97-06

FWN97-07

SILT 1

SILT 2

545964

545965

545966

545967

545968

545969

545970

545971

545972

5705

5000

5500

353 000 E
354 000 E
355 000 E
356 000 E
357 000 E
358 000 E
359 000 E
360 000 E

5 899 000 N
5 898 000 N
5 897 000 N
5 896 000 N
5 895 000 N
5 894 000 N
5 893 000 N

99
98
97
96
95

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,190

0 200 400 600 800 1000
METRES

SYMBOLS

- FWN 94-6 (182°, -56.5°; 1378m) — Diamond drill hole (Azimuth, dip, length)
- Geological contact (approximate, inferred)
- 25 — Bedding with dip
- Glacial striae
- VLF-EM conductor axis
- 1994 rock sample (float, outcrop)
- 1994 silt sample
- Logging clear-cut boundary
- Legal corner post (located, approximate)

LEGEND

LITHOLOGIES

EOCENE
Ootsa Lake Group
11 Felsic dykes
11c Quartz-eye rhyolite porphyry

LATE CRETACEOUS
Capoose Lake Batholith
10 Diorite

EARLY TO MIDDLE JURASSIC
Hazelton Group (Naglico Formation)
9 Felsic pyroclastics
8 Black cherty sediment within andesitic package
7 Sericitized crystal lithic tuff
6 Andesite
6a Lapilli to breccia tuff
6b Fine-grained massive andesite
6i Augite-feldspar phyric andesite lapilli tuff
5 Epiclastics, tuffs and siltstones
5a Graphitic, laminated, argillite-siltstone and grey felsic ash tuff and siltstone
5c Green, thin-bedded, epiclastic siltstone and greywacke
4 Augite porphyry
3 Dacite
2 White quartz-eye felsic pyroclastics

1994 SILT SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
Silt 1	<5	<0.2	14	24	18	68
Silt 2	<5	0.6	16	30	14	160

1994 ROCK SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
545964	<5	0.6	16	4	6	8
545965	<5	<0.2	14	77	12	114
545966	<5	<0.2	12	86	2	202
545967	<5	<0.2	<2	21	4	24
545968	<5	0.2	4	186	14	38
545969	<5	2.6	108	30	562	390
545970	<5	<0.2	12	44	20	282
545971	<5	<0.2	20	154	16	52
545972	<5	<0.2	20	62	6	22

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY

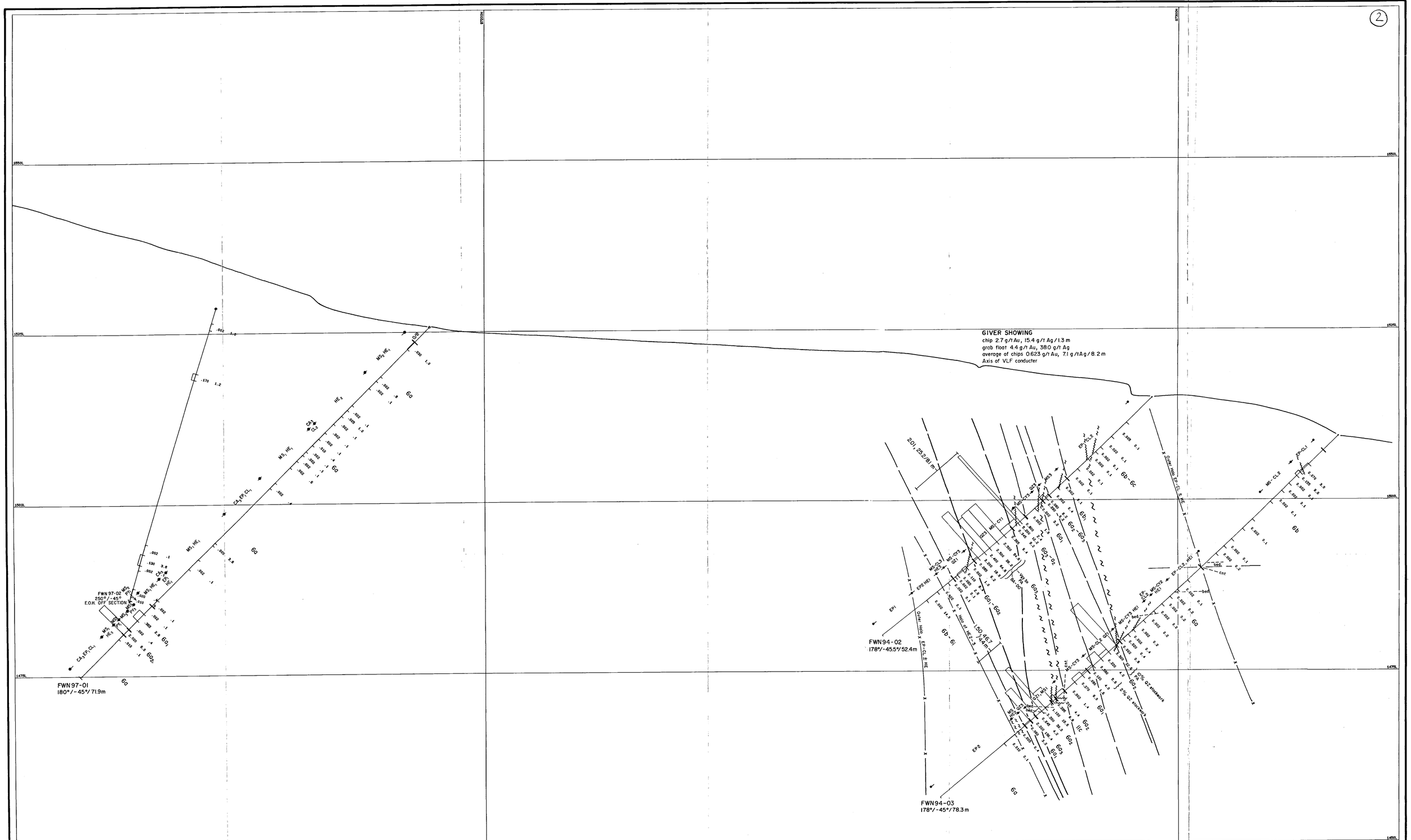
COMPILATION MAP

BRITISH COLUMBIA

(MAP 1)

EQUITY ENGINEERING LTD.

DRAWN: H.A./J.W.	MINING DIV.: OMINECA		FIGURE
N.T.S.: 93 F/3E	SCALE: 1:10,000		4
DATE: OCT. 1997	REVISED:		



NOTE. SECTION LOOKING TOWARDS 268°

LITHOLOGIES

EOCENE
Ootsa Lake Group
11 Felsic dykes
11c Quartz-feldspar rhyolite porphyry

EARLY TO MIDDLE JURASSIC
Hazelton Group (Naglico Formation)
6 Andesites
6a Lapilli to breccia tuff
6a$_1$ strong sericite-clay altered
6a$_2$ strong sericite-clay altered with chalcedony stockwork
6a$_3$ vuggy chalcedonic breccia
6a$_4$ strong sericite-clay altered andesite with jasper matrix crackle breccia
6a$_5$ chlorite-pyrite breccia
6a$_6$ intense oligoclase-sericite-biotite-pyrite altered
6b Fine-grained massive andesite
6b$_1$ strong sericite-clay altered
6b$_2$ strong sericite-clay altered with chalcedony stockwork
6b$_3$ chlorite-pyrite breccia
6b$_4$ plagioclase (oligoclase)-muscovite-pyrite chalcedony breccia
6b$_5$ chalcedony-epidote breccia
6a$_6$ intense oligoclase-sericite-biotite-pyrite altered
6c Feldspar porphyry
6c$_1$ strong sericite-clay altered
6c$_2$ strong sericite-clay altered with chalcedony stockwork
6g Maroon feldspar porphyry
6h Amygdaloidal andesite
6i Augite-feldspar phyric andesite lapilli tuff
6j Maroon massive-bedded siltstone-coarse-grained sandstone

5 Epiclastics, Tuffs and Siltstones
5a Fine (sharp) laminated graphitic argillite-siltstone and grey felsic ash tuff and siltstone
5b Finely laminated argillite-siltstone and grey felsic ash tuff and siltstone

ALTERATION & MINERALIZATION

AS arsenopyrite	BA barite	BI biotite
CL chlorite	CY clay	DO dolomite
EP epidote	GL galena	HE hematite
MG magnetite	MS sericite	PF plagioclase
PO pyrrhotite	PR pyrargyrite	PY pyrite
QZ chalcedony	SP sphalerite	

ALTERATION INTENSITY

1 weak 2 moderate 3 strong

SYMBOLS

180°/-45°/71.3m Diamond drill hole (azimuth, dip, length)
3.200 39.0 Assay interval: Au (g/t) Ag (g/t)
2.02, 252/8.1m Composite assay interval: Au (g/t) Ag (g/t) / Length (m)
Fault/Shear
Lithological contact
Alteration contact
CL Alteration interval
Histograms to left of drill holes correspond to gold grades

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,190

0 5 10 15 20
METRES

CASCADIA INTERNATIONAL VENTURES INC.

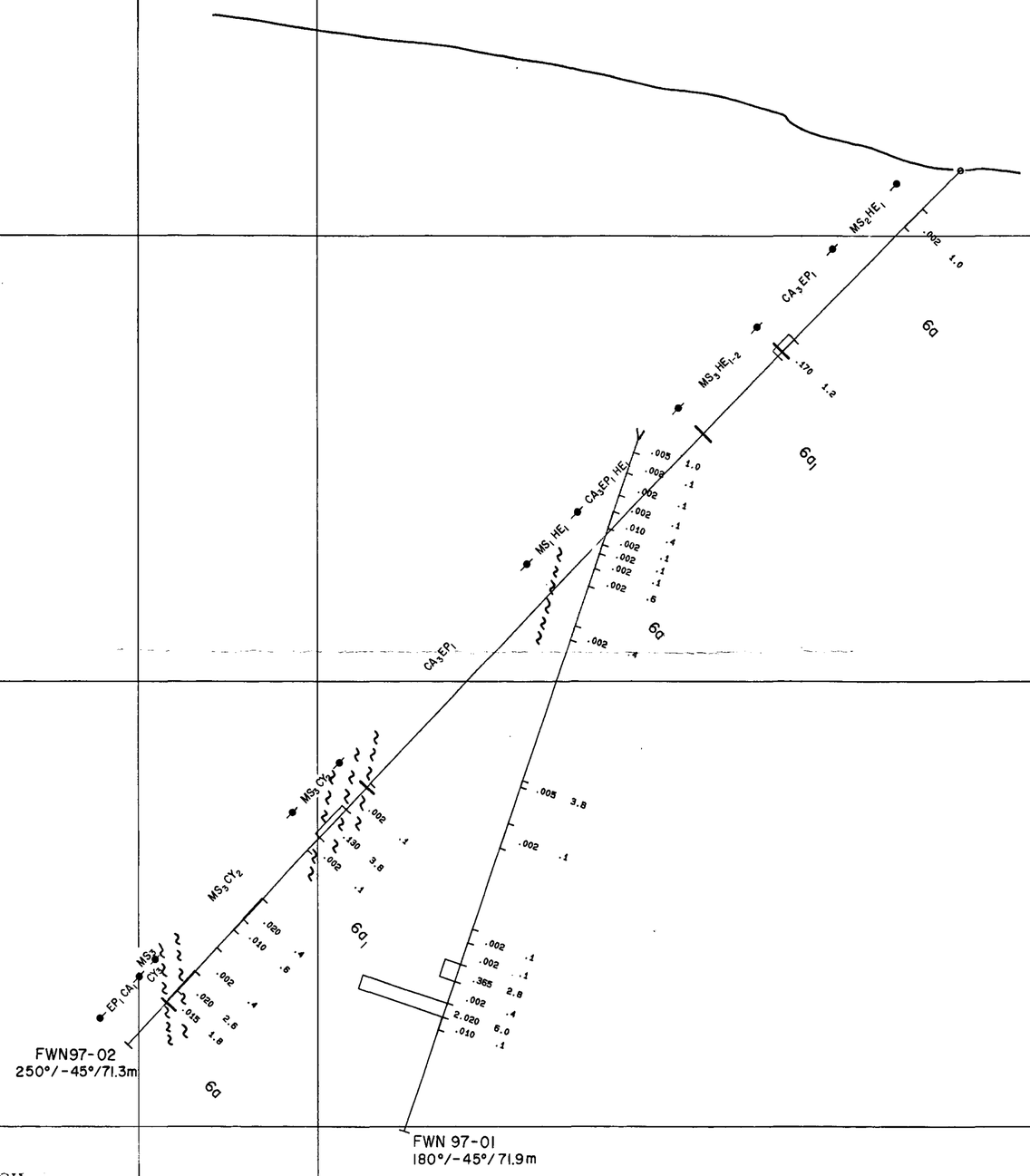
FAWN PROPERTY
FWN94-02,94-03,97-01,97-02 CROSS-SECTION
GIVER ZONE (MAP 2)

EQUITY

Date OCT. 1997	Scale 1:200	FIGURE
U.T.M. Zone 10 (NAD-27)	Mining District OMINECA	6
N.T.S. 93 F/3E	State/Province B.C.	

6450E | 6500E | 6550E | 97175N | 97150N | 97125N

1550L | 1525L | 1500L | 1475L



LEGEND

LITHOLOGIES

EOCENE

Ootsa Lake Group

11 Felsic dykes
- 11c Quartz-feldspar rhyolite porphyry

EARLY TO MIDDLE JURASSIC

Hazelton Group (Naglico Formation)

6 Andesites
- 6a Lapilli to breccia tuff
  - $6a_1$ strong sericite-clay altered
  - $6a_2$ strong sericite-clay altered with chalcedony stockwork
  - $6a_3$ vuggy chalcedonic breccia
  - $6a_4$ strong sericite-clay altered andesite with jasper matrix crackle breccia
  - $6a_5$ chlorite-pyrite breccia
  - $6a_8$ intense oligoclase-sericite-biotite-pyrite altered
- 6b Fine-grained massive andesite
  - $6b_1$ strong sericite-clay altered
  - $6b_2$ strong sericite-clay altered with chalcedony stockwork
  - $6b_5$ chlorite-pyrite breccia
  - $6b_6$ plagioclase (oligoclase)-muscovite-pyrite chalcedony breccia
  - $6b_7$ chalcedony-epidote breccia
  - $6a_8$ intense oligoclase-sericite-biotite-pyrite altered
- 6c Feldspar porphyry
  - $6c_1$ strong sericite-clay altered
  - $6c_2$ strong sericite-clay altered with chalcedony stockwork
- 6g Maroon feldspar porphyry
- 6h Amygdaloidal andesite
- 6i Augite-feldspar phyric andesite lapilli tuff
- 6j Maroon massive-bedded siltstone-coarse-grained sandstone

5 Epiclastics, Tuffs and Siltstones
- 5a Fine (sharp) laminated graphitic argillite-siltstone and grey felsic ash tuff and siltstone
- 5b Finely laminated argillite-siltstone and grey felsic ash tuff and siltstone

ALTERATION & MINERALIZATION

AS arsenopyrite	BA barite	BI biotite
CL chlorite	CY clay	DO dolomite
EP epidote	GL galena	HE hematite
MG magnetite	MS sericite	PF plagioclase
PO pyrrhotite	PR pyrargyrite	PY pyrite
QZ chalcedony	SP sphalerite	

ALTERATION INTENSITY

1 weak | 2 moderate | 3 strong

SYMBOLS

180°/-45°/71.3m	Diamond drill hole (azimuth, dip, length)
3.200 39.0	Assay Interval: Au (g/t) Ag (g/t)
2.02,25.2/8.1m	Composite assay interval: Au (g/t) Ag (g/t) / Length (m)
~~	Fault/Shear
—— ——	Lithological contact
●— —●	Alteration contact
CL	Alteration interval

Histograms to left of drill holes correspond to gold grades

SECTION LOOKING 340°

0 5 10 15 20

METRES

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
FWN 97-02
CROSS-SECTION
GIVER ZONE

MAP 3

EQUITY

Date OCT. 1997	Scale 1:200	FIGURE
U.T.M. Zone 10 (NAD-27)	Mining District OMINECA	7
N.T.S. 93F/3E	State/Province B. C.	

LEGEND

LITHOLOGIES

EOCENE
Ootsa Lake Group
11 Felsic dykes
11c Quartz-feldspar rhyolite porphyry

EARLY TO MIDDLE JURASSIC
Hazelton Group (Naglico Formation)
6 Andesites
6a Lapilli to breccia tuff
$6a_1$ strong sericite-clay altered
$6a_2$ strong sericite-clay altered with chalcedony stockwork
$6a_3$ vuggy chalcedonic breccia
$6a_4$ strong sericite-clay altered andesite with jasper matrix crackle breccia
$6a_5$ chlorite-pyrite breccia
$6a_6$ intense oligoclase-sericite-biotite-pyrite altered
6b Fine-grained massive andesite
$6b_1$ strong sericite-clay altered
$6b_2$ strong sericite-clay altered with chalcedony stockwork
$6b_5$ chlorite-pyrite breccia
$6b_6$ plagioclase (oligoclase)-muscovite-pyrite chalcedony breccia
$6b_7$ chalcedony-epidote breccia
$6a_8$ intense oligoclase-sericite-biotite-pyrite altered
6c Feldspar porphyry
$6c_1$ strong sericite-clay altered
$6c_2$ strong sericite-clay altered with chalcedony stockwork
6g Maroon feldspar porphyry
6h Amygdaloidal andesite
6i Augite-feldspar phyric andesite lapilli tuff
6j Maroon massive-bedded siltstone-coarse-grained sandstone

5 Epiclastics, Tuffs and Siltstones
5a Fine (sharp) laminated graphitic argillite-siltstone and grey felsic ash tuff and siltstone
5b Finely laminated argillite-siltstone and grey felsic ash tuff and siltstone

ALTERATION & MINERALIZATION

AS arsenopyrite	BA barite	BI biotite
CL chlorite	CY clay	DO dolomite
EP epidote	GL galena	HE hematite
MG magnetite	MS sericite	PF plagioclase
PO pyrrhotite	PR pyrargyrite	PY pyrite
QZ chalcedony	SP sphalerite	

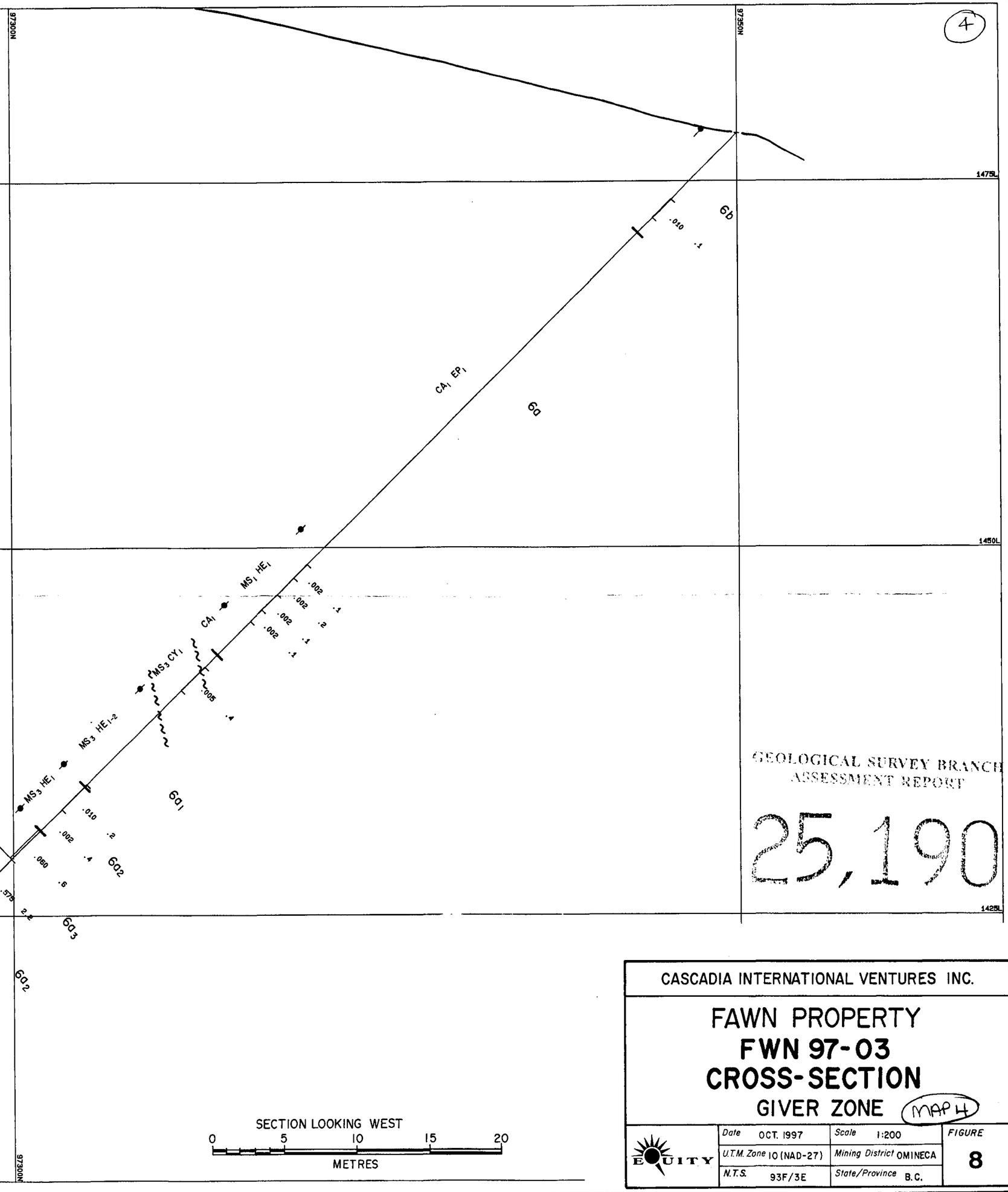
ALTERATION INTENSITY

1 weak 2 moderate 3 strong

SYMBOLS

180°/-45°/71.3m	Diamond drill hole (azimuth, dip, length)
3.200 39.00	Assay Interval: Au (g/t) Ag (g/t)
2.02,25.2/8.1m	Composite assay interval: Au (g/t) Ag (g/t) / Length (m)
~ ~ ~ ~	Fault/Shear
— —	Lithological contact
●— —●	Alteration contact
CL	Alteration interval

Histograms to left of drill holes correspond to gold grades



CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
FWN 97-03
CROSS-SECTION
GIVER ZONE (MAP 4)

EQUITY

Date OCT. 1997	Scale 1:200	FIGURE 8
U.T.M. Zone 10 (NAD-27)	Mining District OMINECA	
N.T.S. 93F/3E	State/Province B.C.	

LEGEND

LITHOLOGIES

EOCENE
Ootsa Lake Group
11 Felsic dykes
11c Quartz-feldspar rhyolite porphyry

EARLY TO MIDDLE JURASSIC
Hazelton Group (Naglico Formation)
6 Andesites
6a Lapilli to breccia tuff
$6a_1$ strong sericite-clay altered
$6a_2$ strong sericite-clay altered with chalcedony stockwork
$6a_3$ vuggy chalcedonic breccia
$6a_4$ strong sericite-clay altered andesite with jasper matrix crackle breccia
$6a_5$ chlorite-pyrite breccia
$6a_6$ intense oligoclase-sericite-biotite-pyrite altered
6b Fine-grained massive andesite
$6b_1$ strong sericite-clay altered
$6b_2$ strong sericite-clay altered with chalcedony stockwork
$6b_3$ chlorite-pyrite breccia
$6b_4$ plagioclase (oligoclase)-muscovite-pyrite chalcedony breccia
$6b_7$ chalcedony-epidote breccia
$6a_8$ intense oligoclase-sericite-biotite-pyrite altered
6c Feldspar porphyry
$6c_1$ strong sericite-clay altered
$6c_2$ strong sericite-clay altered with chalcedony stockwork
6g Maroon feldspar porphyry
6h Amygdaloidal andesite
6i Augite-feldspar phyric andesite lapilli tuff
6j Maroon massive-bedded siltstone-coarse-grained sandstone

5 Epiclastics, Tuffs and Siltstones
5a Fine (sharp) laminated graphitic argillite-siltstone and grey felsic ash tuff and siltstone
5b Finely laminated argillite-siltstone and grey felsic ash tuff and siltstone

ALTERATION & MINERALIZATION

AS arsenopyrite	BA barite	BI biotite
CL chlorite	CY clay	DO dolomite
EP epidote	GL galena	HE hematite
MG magnetite	MS sericite	PF plagioclase
PO pyrrhotite	PR pyrargyrite	PY pyrite
QZ chalcedony	SP sphalerite	

ALTERATION INTENSITY

1 weak 2 moderate 3 strong

SYMBOLS

180°/-45°/71.3m	Diamond drill hole (azimuth, dip, length)
3.200 39.0	Assay Interval: Au (g/t) Ag (g/t)
2.02, 25.2/8.1m	Composite assay interval: Au (g/t) Ag (g/t) / Length (m)
~~	Fault/Shear
—— ——	Lithological contact
●— —●	Alteration contact
CL	Alteration interval

Histograms to left of drill holes correspond to gold grades

SECTION LOOKING WEST

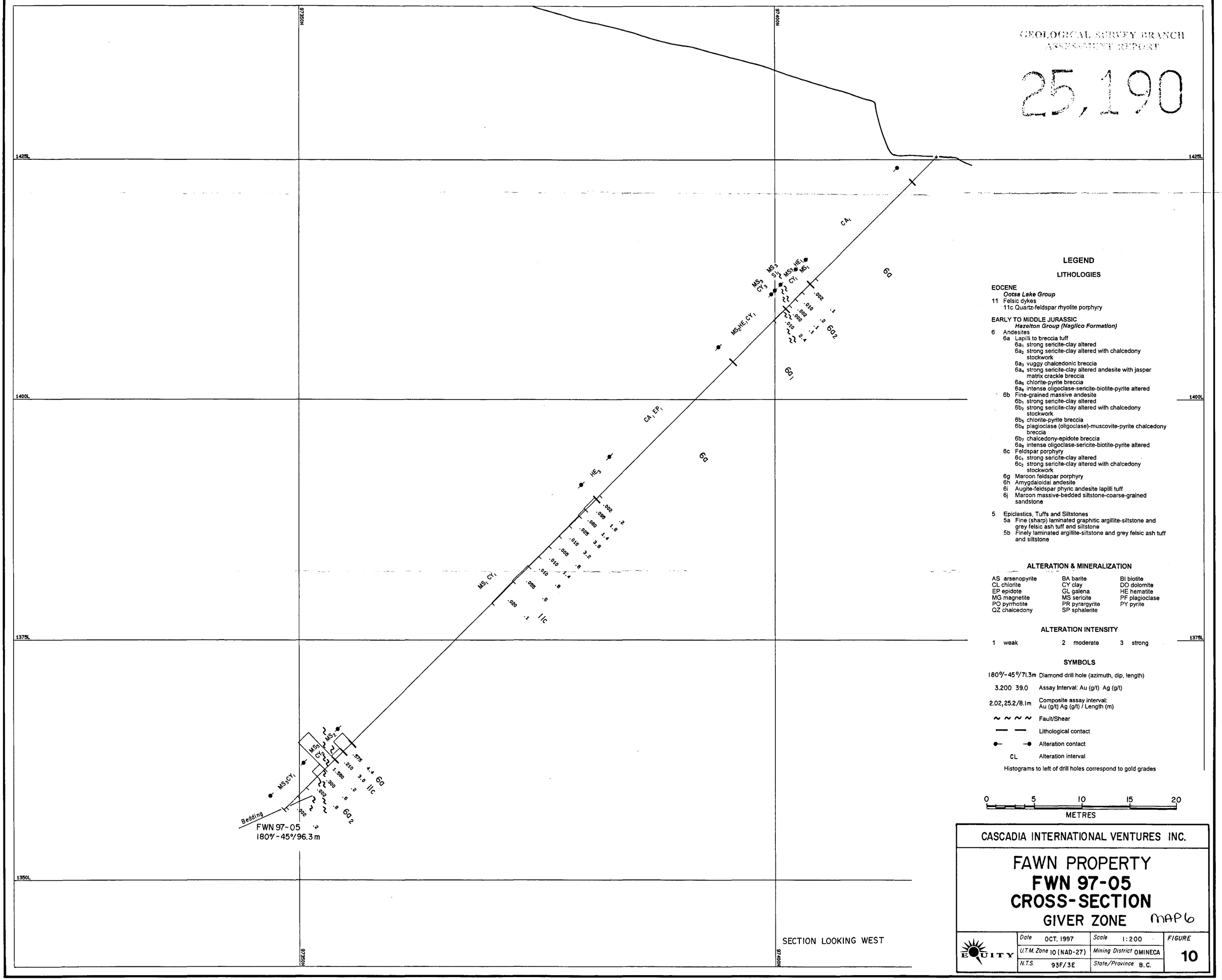
0 5 10 15 20
METRES

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
FWN 97-04
CROSS-SECTION
GIVER ZONE MAP 5

EQUITY

Date OCT. 1997	Scale 1:200	FIGURE 9
U.T.M. Zone 10 (NAD-27)	Mining District OMINECA	
N.T.S. 93F/3E	State/Province B.C.	



SECTION LOOKING WEST

LEGEND

LITHOLOGIES

EOCENE

Ootsa Lake Group

11 Felsic dykes
- 11c Quartz-feldspar rhyolite porphyry

EARLY TO MIDDLE JURASSIC

Hazelton Group (Naglico Formation)

6 Andesites
- 6a Lapilli to breccia tuff
  - $6a_1$ strong sericite-clay altered
  - $6a_2$ strong sericite-clay altered with chalcedony stockwork
  - $6a_3$ vuggy chalcedonic breccia
  - $6a_4$ strong sericite-clay altered andesite with jasper matrix crackle breccia
  - $6a_5$ chlorite-pyrite breccia
  - $6a_8$ intense oligoclase-sericite-biotite-pyrite altered
- 6b Fine-grained massive andesite
  - $6b_1$ strong sericite-clay altered
  - $6b_2$ strong sericite-clay altered with chalcedony stockwork
  - $6b_5$ chlorite-pyrite breccia
  - $6b_6$ plagioclase (oligoclase)-muscovite-pyrite chalcedony breccia
  - $6b_7$ chalcedony-epidote breccia
  - $6a_8$ intense oligoclase-sericite-biotite-pyrite altered
- 6c Feldspar porphyry
  - $6c_1$ strong sericite-clay altered
  - $6c_2$ strong sericite-clay altered with chalcedony stockwork
- 6g Maroon feldspar porphyry
- 6h Amygdaloidal andesite
- 6i Augite-feldspar phyric andesite lapilli tuff
- 6j Maroon massive-bedded siltstone-coarse-grained sandstone

5 Epiclastics, Tuffs and Siltstones
- 5a Fine (sharp) laminated graphitic argillite-siltstone and grey felsic ash tuff and siltstone
- 5b Finely laminated argillite-siltstone and grey felsic ash tuff and siltstone

ALTERATION & MINERALIZATION

AS arsenopyrite	BA barite	BI biotite
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MG magnetite	MS sericite	PF plagioclase
PO pyrrhotite	PR pyrargyrite	PY pyrite
QZ chalcedony	SP sphalerite	

ALTERATION INTENSITY

1 weak 2 moderate 3 strong

SYMBOLS

180°/-45°/71.3m	Diamond drill hole (azimuth, dip, length)
3.200 39.0	Assay Interval: Au (g/t) Ag (g/t)
2.02, 25.2/8.1m	Composite assay interval: Au (g/t) Ag (g/t) / Length (m)
~~	Fault/Shear
——	Lithological contact
●— —●	Alteration contact
CL	Alteration interval

Histograms to left of drill holes correspond to gold grades

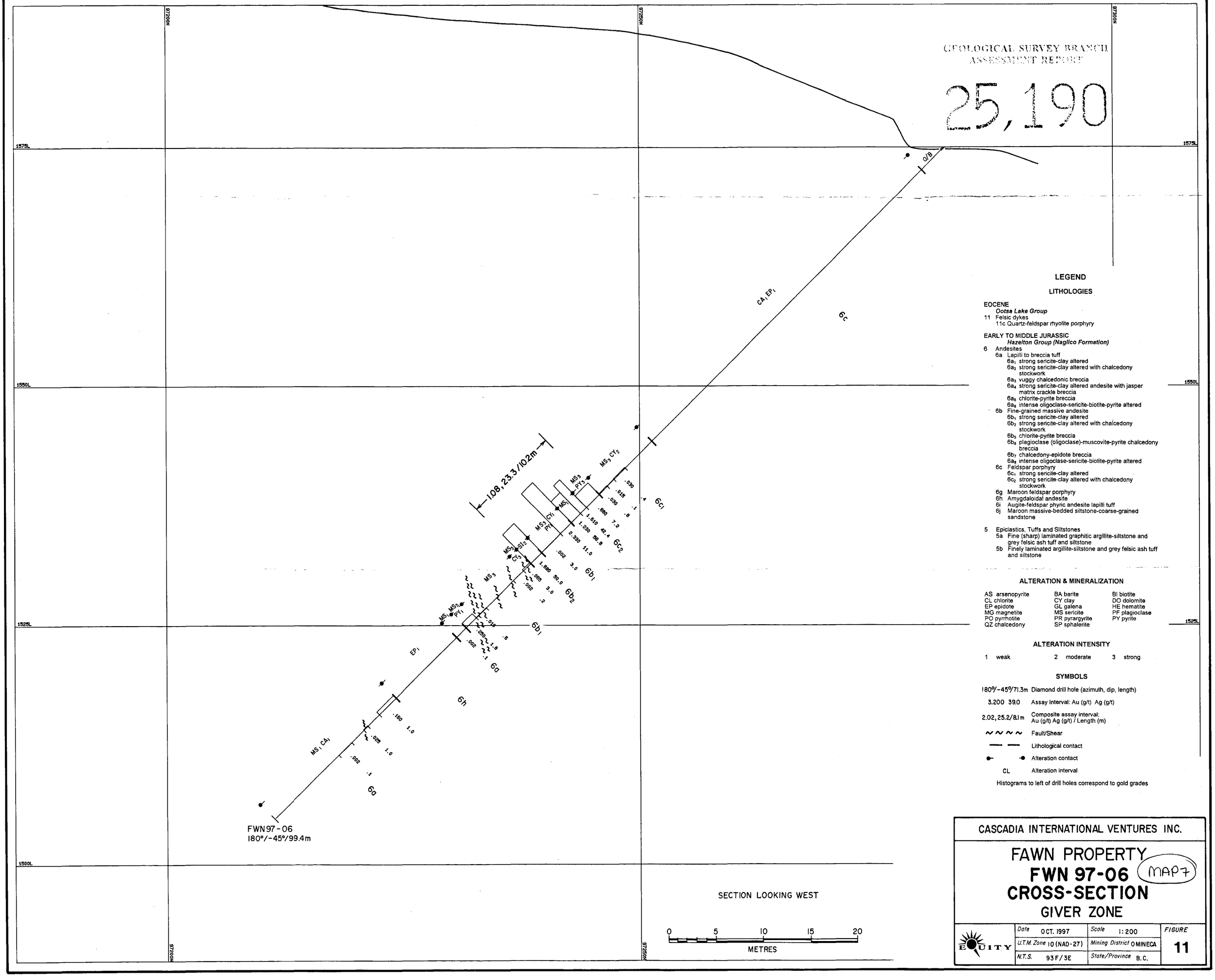
0 5 10 15 20
METRES

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
FWN 97-05
CROSS-SECTION
GIVER ZONE

MAP 6

EQUITY	Date OCT. 1997	Scale 1:200	FIGURE 10
	U.T.M. Zone 10 (NAD-27)	Mining District OMINECA	
	N.T.S. 93F/3E	State/Province B.C.	



LEGEND

LITHOLOGIES

EOCENE
Ootsa Lake Group
11 Felsic dykes
- 11c Quartz-feldspar rhyolite porphyry

EARLY TO MIDDLE JURASSIC
Hazelton Group (Naglico Formation)
6 Andesites
- 6a Lapilli to breccia tuff
  - $6a_1$ strong sericite-clay altered
  - $6a_2$ strong sericite-clay altered with chalcedony stockwork
  - $6a_3$ vuggy chalcedonic breccia
  - $6a_4$ strong sericite-clay altered andesite with jasper matrix crackle breccia
  - $6a_5$ chlorite-pyrite breccia
  - $6a_6$ intense oligoclase-sericite-biotite-pyrite altered
- 6b Fine-grained massive andesite
  - $6b_1$ strong sericite-clay altered
  - $6b_2$ strong sericite-clay altered with chalcedony stockwork
  - $6b_3$ chlorite-pyrite breccia
  - $6b_6$ plagioclase (oligoclase)-muscovite-pyrite chalcedony breccia
  - $6b_7$ chalcedony-epidote breccia
  - $6a_8$ intense oligoclase-sericite-biotite-pyrite altered
- 6c Feldspar porphyry
  - $6c_1$ strong sericite-clay altered
  - $6c_2$ strong sericite-clay altered with chalcedony stockwork
- 6g Maroon feldspar porphyry
- 6h Amygdaloidal andesite
- 6i Augite-feldspar phyric andesite lapilli tuff
- 6j Maroon massive-bedded siltstone-coarse-grained sandstone

5 Epiclastics, Tuffs and Siltstones
- 5a Fine (sharp) laminated graphitic argillite-siltstone and grey felsic ash tuff and siltstone
- 5b Finely laminated argillite-siltstone and grey felsic ash tuff and siltstone

ALTERATION & MINERALIZATION

AS arsenopyrite	BA barite	BI biotite
CL chlorite	CY clay	DO dolomite
EP epidote	GL galena	HE hematite
MG magnetite	MS sericite	PF plagioclase
PO pyrrhotite	PR pyrargyrite	PY pyrite
QZ chalcedony	SP sphalerite	

ALTERATION INTENSITY

1 weak 2 moderate 3 strong

SYMBOLS

180°/-45°/71.3m	Diamond drill hole (azimuth, dip, length)
3.200 39.0	Assay Interval: Au (g/t) Ag (g/t)
2.02, 25.2/8.1m	Composite assay interval: Au (g/t) Ag (g/t) / Length (m)
~~	Fault/Shear
—— ——	Lithological contact
●— —●	Alteration contact
CL	Alteration interval

Histograms to left of drill holes correspond to gold grades

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
FWN 97-06 CROSS-SECTION
GIVER ZONE

(MAP 7)

EQUITY	Date OCT. 1997	Scale 1:200	FIGURE 11
	U.T.M. Zone 10 (NAD-27)	Mining District OMINECA	
	N.T.S. 93F/3E	State/Province B.C.	

LEGEND

LITHOLOGIES

EOCENE
Ootsa Lake Group
11 Felsic dykes
11c Quartz-feldspar rhyolite porphyry

EARLY TO MIDDLE JURASSIC
Hazelton Group (Nagilco Formation)
6 Andesites
6a Lapilli to breccia tuff
$6a_1$ strong sericite-clay altered
$6a_2$ strong sericite-clay altered with chalcedony stockwork
$6a_3$ vuggy chalcedonic breccia
$6a_4$ strong sericite-clay altered andesite with jasper matrix crackle breccia
$6a_5$ chlorite-pyrite breccia
$6a_6$ intense oligoclase-sericite-biotite-pyrite altered
6b Fine-grained massive andesite
$6b_1$ strong sericite-clay altered
$6b_2$ strong sericite-clay altered with chalcedony stockwork
$6b_3$ chlorite-pyrite breccia
$6b_4$ plagioclase (oligoclase)-muscovite-pyrite chalcedony breccia
$6b_7$ chalcedony-epidote breccia
$6a_8$ intense oligoclase-sericite-biotite-pyrite altered
6c Feldspar porphyry
$6c_1$ strong sericite-clay altered
$6c_2$ strong sericite-clay altered with chalcedony stockwork
6g Maroon feldspar porphyry
6h Amygdaloidal andesite
6i Augite-feldspar phyric andesite lapilli tuff
6j Maroon massive-bedded siltstone-coarse-grained sandstone

5 Epiclastics, Tuffs and Siltstones
5a Fine (sharp) laminated graphitic argillite-siltstone and grey felsic ash tuff and siltstone
5b Finely laminated argillite-siltstone and grey felsic ash tuff and siltstone

ALTERATION & MINERALIZATION

AS arsenopyrite	BA barite	BI biotite
CL chlorite	CY clay	DO dolomite
EP epidote	GL galena	HE hematite
MG magnetite	MS sericite	PF plagioclase
PO pyrrhotite	PR pyrargyrite	PY pyrite
QZ chalcedony	SP sphalerite	

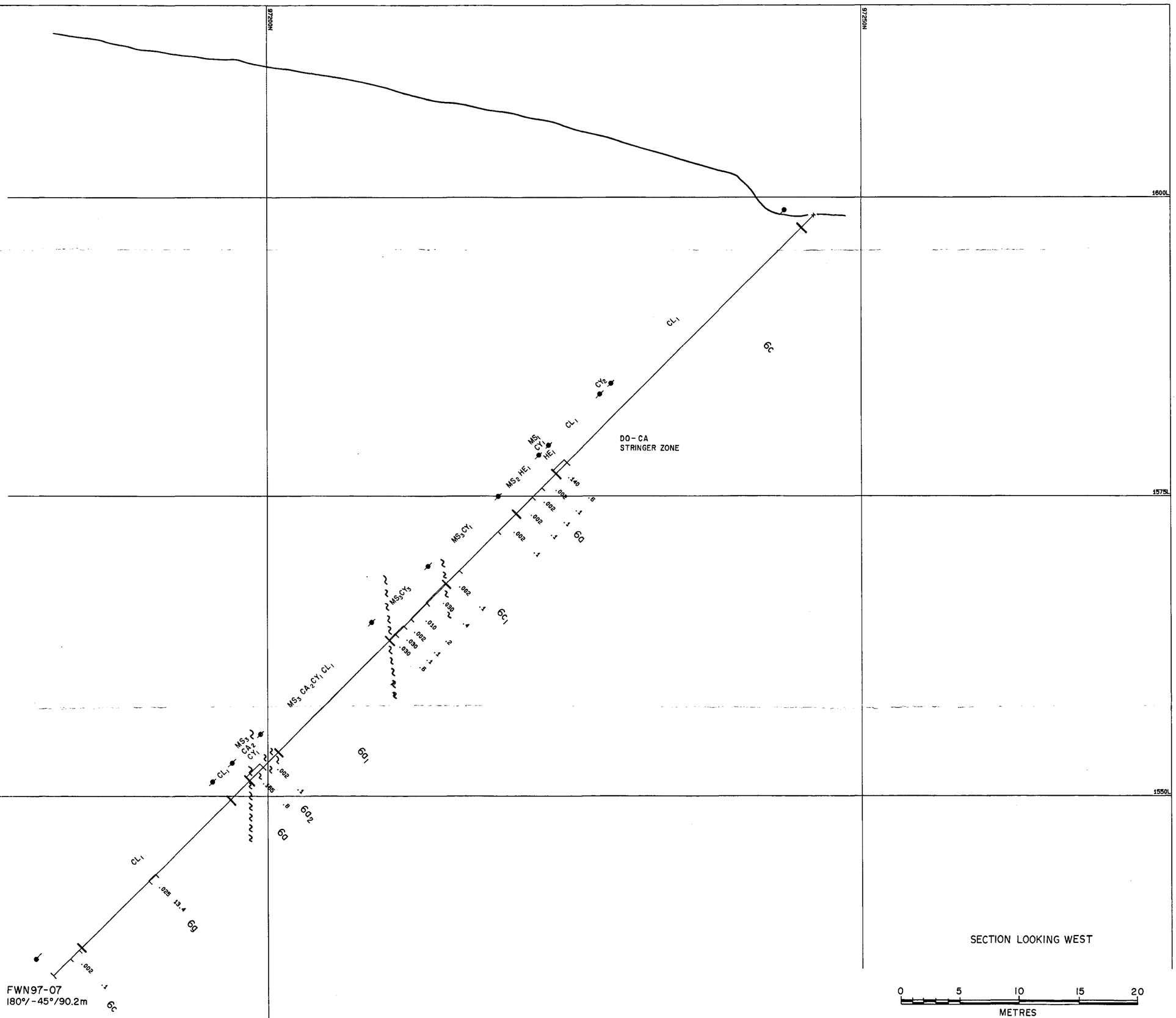
ALTERATION INTENSITY

1 weak 2 moderate 3 strong

SYMBOLS

180°/-45°/71.3m	Diamond drill hole (azimuth, dip, length)
3.200 39.0	Assay Interval: Au (g/t) Ag (g/t)
2.02, 25.2/8.1m	Composite assay interval: Au (g/t) Ag (g/t) / Length (m)
~~	Fault/Shear
—— ——	Lithological contact
●— —●	Alteration contact
CL	Alteration interval

Histograms to left of drill holes correspond to gold grades



SECTION LOOKING WEST

0 5 10 15 20
METRES

CASCADIA INTERNATIONAL VENTURES INC.

FAWN PROPERTY
FWN 97-07 CROSS-SECTION (MAP 8)
GIVER ZONE

EQUITY	Date OCT. 1997	Scale 1:200	FIGURE 12
	U.T.M. Zone 10 (NAD-27)	Mining District OMINECA	
	N.T.S. 93 F/3E	State/Province B.C.	