

LOG NO:	0328	RD.
ACTION:		
FILE NO:		152 p.

REPORT OF WORK
SECOND RELIEF PROJECT
ERIE, B.C.
82F/6W
49°20'N, 117°24'W

FOR

HAWKEYE DEVELOPMENTS LTD.
550-1040 W. Georgia Street,
Vancouver, B. C. V6E 4H1

By: ERIK A. OSTENSOE
GEOLOGIST

FEBRUARY 15, 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,839

SUB-RECORDER RECEIVED MAR 22 1990 M.R.# \$ <small>MANICOMED B.C.</small> STATEMENT OF FIELD COSTS - SECOND RELIEF PROJECT - 1989

To accompany Statement of Work re Buck Group of mineral claims,
 Nelson M.D., B. C.

Prepared for: Hawkeye Developments Ltd.
 550-1040 West Georgia St.,
 Vancouver, B. C., V6H 4H1

By: Erik Ostensoe from company records.

Mobilization/demobilization.....	\$ 8091.00
Geophysical surveys.....	26453.00
Geological surveys, includes project supervision and labour.....	138407.00
Excavator trenching, road improvements, drill site preparation.....	11615.00
Petrological studies.....	556.75
Diamond drilling and reverse circulation drilling.....	174226.51
TOTAL.....	\$359349.26

NOTE: \$17,705.00 of the above-detailed expenditures relates to
 grid preparation costs and was applied to claims by a
 Statement of Work dated November 3, 1989.

Erik A. Ostensoe

March 22, 1990.

CERTIFICATION

I, Erik A. Ostensoe, of Vancouver, B. C. certify that:

1. I am a consulting geologist with office and residence in Vancouver, British Columbia

2. I am a graduate of the University of British Columbia, Vancouver, B. C. (B.Sc. degree in Honours Geology, 1960), and I have studied geology at Queen's University, Kingston, Ontario

3. I have practiced my profession for thirty years, working for major and junior mining companies and as a consultant

4. I am a Fellow of the Geological Association of Canada (membership no. 4128), a Member of the Association of Exploration Geochemists, and a Member of the Canadian Institute of Mining and Metallurgy

4. I personally supervised all of the work described in the Report of Work, Second Relief Project, Erie, B. C., dated February 15, 1990 and I personally prepared the text and illustrations that accompany that report.

5. Cost information submitted with a Statement of Work filed with Titles Branch, Mineral Resources Division, Ministry of Energy, Mines and Petroleum Resources in support of an application of work credit was derived from documents supplied to the writer by Hawkeye Developments Ltd.

Signed at Vancouver, B. C. on the twenty-second day of March, 1990



Erik A. Ostensoe, FGAC, geologist.

CONTENTS

	page
I. Program	1 /
II. Acknowledgements	3 /
III. Location and Claims	3 /
IV. History	3 /
V. Regional Geology	7 /
VI. Geology of the Second Relief Area	8 /
VII. Geophysics	11 /
(a) Magnetometer Survey	11 /
(b) VLF-EM Survey	12 /
(c) Hammer Seismic Survey	12 /
VIII. Sampling	16 /
(a) Inez Vein	16 /
(b) High Elevation Prospect, West of Erie Creek	18 /
(c) Rand Vein	24 /
(d) Mineral Zones Located at Upper Slopes, East of Erie Creek	24 /
(e) No. 5 Vein	27 /
(f) Ida D Vein	27 /
(g) No. 2 Vein	28 /
(h) Erie Creek "Zone"	30 /
IX. Comments and Observations	37 /
X. Recommendations	38 /

Contents (continued)	page
TABLES	
Table 1. Claims and Expiry Dates (as of February 13, 1990)	6 /
APPENDICES	
Appendix I. Petrographic Reports, JF Harris, PhD.	40 /
Appendix II.	53 /
(a) Assay Certificates - Rock Chip Samples and Diamond Drill Core Samples	54 /
(b) Geochemical Certificates - Drill Core Specimens	55 /
(c) Soil Samples - Geochemical Reports	56 ✓
(d) Reverse Circulation Drill Hole Samples Holes R.C.-89-1 to R.C.-89-12.	57 ✓
Appendix III. Drill Core Log Summaries D.D.H. 89-1 to 89-14.	58 ✓

ILLUSTRATIONS

	page
Figure 1. Location Map	4 /
Figure 2. Claim Map	5 /
Figure 3. Geology	in pocket /
Figure 4. Diagrammatic Section	10 /
Figure 5. Magnetics - West Grid	in pocket /
Figure 6. Magnetics - East Grid	in pocket /
Figure 7. VLF-EM - West Grid	in pocket /
Figure 8. VLF-EM - East Grid	in pocket /
Figure 9. Hammer Seismic Survey - Line 540 SW	13 /
Figure 10. Hammer Seismic Survey - Line 780 SW	14 /
Figure 11. Hammer Seismic Survey - Line 900 SW	15 /
Figure 12. Inez Vein - North End	17 /
Figure 13. Inez Vein - Assay Plan	in pocket /
Figure 14. Inez Vein - Site "A"	19 /
Figure 15. Inez Vein - Site "B"	20 /
Figure 16. Inez Vein - Site "C-1"	21 /
Figure 17. Inez Vein - Site "C-2"	22 /
Figure 18. Inez Vein - Site "D"	23 /
Figure 19. Soil Sampling	25 /
Figure 20. Rand Trench	26 /
Figure 21. Ida D Vein	29 /
Figure 22. Assay Plan - No. 2 Vein 1989 Chip Sampling	in pocket /

Illustrations (continued)

	page
Figure 23. Reverse Circulation Drill Hole Section A-A'	31 /
Figure 24. Reverse Circulation Drill Hole Section B-B'	32 /
Figure 25. Reverse Circulation Drill Hole Section C-C'	33 /
Figure 26. Reverse Circulation Drill Hole Section D-D'	34 /
Figure 27. Reverse Circulation Drill Hole Section E-E'	35 /
Figure 28. Reverse Circulation Drill Hole Section - Erie Creek	36 /

I. PROGRAM

A two-phased program of work at the Second Relief Mine property, Erie, B. C. at anticipated cost of \$547,000 was recommended by Richard Kucera, PhD, F.G.A.C., in a report to the Directors of Hawkeye Developments Ltd. dated March 6, 1989. Dr. Kucera judged the exploration potential of the Second Relief property to be excellent.

Erik Ostensoe, F.G.A.C., geologist, was hired to provide field management and geological services to the Second Relief project under the direction of the President, J.H. Whipple, and the Vice-President of Exploration and Development, J.F. Bristow, P Eng. Further project review and advice was provided by directors J.H. Montgomery and D. Milburn.

The first stage of work proposed by Dr. Kucera included the establishment of additional grid, detailed geological mapping, trenching, rock sampling, 1000m diamond drilling and a VLF-EM survey. The No.5 level was to be rehabilitated for a distance of at least 200m. The estimated cost of first stage work was \$324,000.

The second stage of work, contingent upon encouraging results from the first stage, included additional rehabilitation of No. 5 level and initiation of underground diamond drilling at estimated cost of \$250,000.

Following the acquisition by Hawkeye Developments Ltd. of an option to explore and exploit nineteen mineral claims held or leased by Homestead Resources Ltd., Dr. Kucera, in an addendum dated April 2, 1989, noted that this program of exploration remained essentially the same as originally proposed and no additional funding was recommended.

Work commenced May 26, 1989 and was continuous until October 27, 1989. Project financial services and personnel were provided by Rooi Enterprises Ltd., Richmond, B.C. Crew members and the periods of their employment are listed below:

Ron Biebrich, line cutter and sampler	June 1 - October 27
James F. Bristow, P. Eng., Project Supervisor	May 28 - October 23
John Campbell, field worker and blaster	May 28 - October 27
Carol Crowe, cook	Oct 2 - October 27
Shellie Jut, line cutter	June 4 - August 8
Barry Needham, line cutter	June 4 - August 8
Erik Ostensoe, field manager, geologist	May 26 - October 27
Dirk Wendland, labourer	May 31 - July 10

A camp comprised of two travel trailers and two camper - equipped pick up trucks was established at Slide Creek near the former mine plant site. Groceries and other supplies were obtained from nearby communities.

The following contractors were employed in the 1989 field program:

White Contracting Ltd. of Castlegar - Hitachi excavator Model UHC 07- road rehabilitation and trenching

Montgomery Consultants Ltd. of Vancouver - three person geophysical crew - magnetometer, VHF-EM, and hammer seismic surveys

West-Gate Diamond Drilling Limited of Salmo - Longyear Model 38 diamond drilling outfit - completed 3105 feet (946 m.) of NQ-size drilling

Midnight Sun Drilling Co. Ltd. of Whitehorse, Y.T. - reverse circulation drilling and sampling equipment - completed 5105 feet (1556 m.) of drilling.

Hawkeye's crews collected 389 rock samples and 87 soil samples. 126 drill core and 982 reverse circulation cuttings samples were also obtained. --- diamond drill core specimens were analysed by geochemical methods for gold, silver, copper, lead, zinc, bismuth, arsenic, and antimony contents. All analyses were performed by Kamloops Research and Assay Laboratory Ltd., Kamloops, B.C.

McElhaney Geosurveys Ltd. of Vancouver, B. C. prepared from available air photographs a 1:5000 scale topographic base map of the Second Relief Project area.

II. ACKNOWLEDGEMENTS

In addition to the above mentioned employees and contractors the writer wishes to express appreciation to Mssrs. Luke Felde, Alton Dahlstrom and Ron Tjader for information and other assistance provided.

Illustrations used in this report were prepared by J. F. Bristow, Nancy Smith and the writer.

III. LOCATION AND CLAIMS

The Second Relief mine is located in a mountain valley 18 km north of Erie, a small community on Highway 6 west of Salmo, B.C. (Figures 1 and 2). Nelson, B.C. is 21 air kms north, and Castlegar is 19 air kms due west of the property. Geographical location is 49 degrees 20 minutes N, 117 degrees 24 minutes W. NTS map sheet is 82 F/6W. Erie Creek flows southwesterly through the middle part of the property and its tributary, Slide Creek, passes through the northeast end of the claims.

The Second Relief project is comprised of crown granted, reverted crown granted, modified grid system and two-post claims. The company has negotiated option agreements with several owners and has acquired additional ground by staking. Claims status as determined by a record search at the Gold Commissioner's Offices in Vancouver on February 13, 1990 is summarized in Table 1 of this report. Assessment work has been applied to certain claims and further credits will be requested with the near term objective being to place all claims in good standing until their 1999 anniversary dates.

IV. HISTORY

The history of the Second Relief mine is summarized in the Kucera report. Recorded production is stated to be 228,200 tons from which was recovered 100,235 ounces gold, 27,856 ounces silver, 98,021 lbs copper, 51,260 lbs lead and 713 lbs zinc (Kucera, from B.C.D.M. Minfile). Most of the ore came from the Second Relief vein, small amounts were obtained from the Ida D, Inez and Rand veins. Production occurred only intermittantly in the period 1900 through 1932 but 170,000 tons were produced from 1933 to 1941 when operations were guided by Relief-Arlington



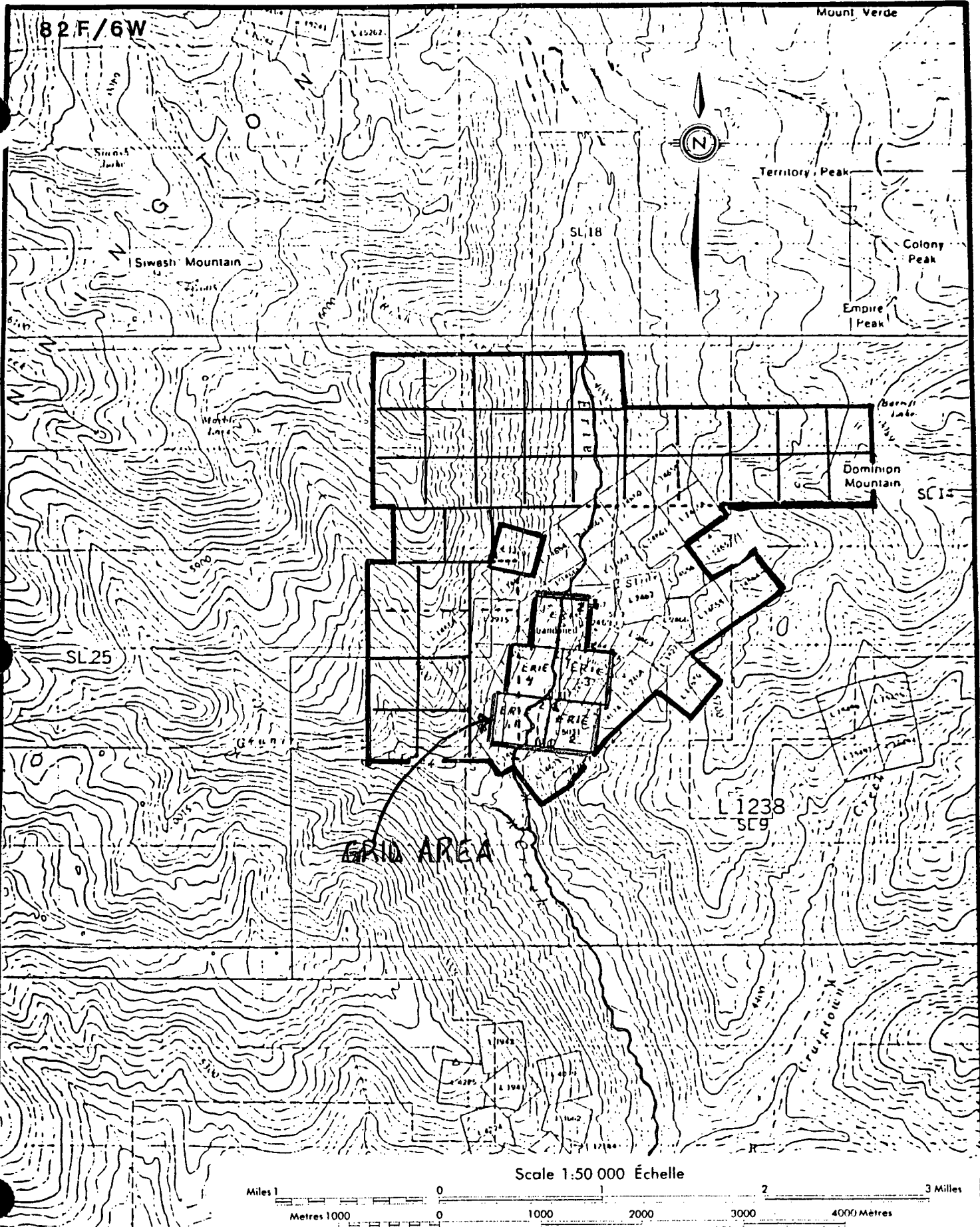
DRAWN BY J.F.B.

DATE DECEMBER 1989

HAWKEYE DEVELOPMENTS LTD
 LOCATION MAP

SCALE

FIGURE No 1



DRAWN BY J.F.B.
DATE DECEMBER 1989

HAWKEYE DEVELOPMENTS LTD
CLAIM MAP

SCALE 1:50,000
FIGURE No 2

TABLE I. CLAIMS

Claim Name	Title No.	Expiry Date
Gus Fr.	1151	August 8, 1992
Dale	1834	July 22, 1992
Winnie	1833	July 22, 1992
Pitt	1832	July 22, 1992
Lee	1831	July 22, 1992
Rhodes Fr.	1315	October 26, 1992
Dolly	1314	October 26, 1992
Amos	1316	October 26, 1992
Peggy Fr.	1149	August 8, 1992
Risk Fr.	1148	August 8, 1992
Starshine	1147	August 8, 1992
Eva Fr.	1152	August 8, 1992
Lucy	1150	August 8, 1992
DeeJay	3452	August 9, 1992
Rush #1	3552	October 26, 1992
Rush #2	3553	October 26, 1991
Li'l Geez	592	April 14, 1992
Grand Union	590	April 14, 1993
Digit	1181	August 27, 1992
Andy Fr.	2989	March 25, 1997
Argenteuil	4339	March 24, 1997
Madelon Fr.	4597	March 9, 1998
Waffer	4340	March 26, 1997
Apex Fr.	2975	March 23, 1997
Hawkeye	2831	November 19, 1999
Martha Washington	2813	November 8, 1999
Kvist Fr.	2811	November 8, 1999
Polly Fr.	2810	November 8, 1999
Chief Fr.	2812	November 8, 1999
Mike	2832	November 19, 1999
Ozzie	5855	August 10, 1990
Eye	5856	August 10, 1990
Jim Fr.	5991	October 20, 1990
Erie 1 to 3 incl.	3207 to 3209 incl.	May 24, 1997
Erie 4	3210	May 24, 1996
Erie 5	3211	May 24, 1996
Ida D	L2462	Crown Granted Claim
Second Relief	L2463	Crown Granted Claim
Big Bump	L2464	Crown Granted Claim
Relief Fr.	L2469	Crown Granted Claim
Laura	L14668	Crown Granted Claim
Inez Fr.	L14669	Crown Granted Claim
Rand Fr.	L14666	Crown Granted Claim
Cliff	L 2915	Crown Granted Claim

Mines Ltd., a Premier Gold Mining Company affiliate. Minor unrecorded salvage-type production occurred after World War II.

Hawkeye Developments Ltd. commenced land assembly in mid-1988, followed in September and October, 1988 by rehabilitation of roads, recovery of the portal of the main haulage level (No. 5 level) and excavation and sampling of No. 2 vein. Data from that work plus information from Ministry of Mines Reports and other sources were used by Kucera in preparation of his report.

The geology of the general area of the Second Relief project was reported on by, among others, Cockfield (G.S.C. Memoir 191, 1936), Little (G.S.C. Memoir 308, 1960) and Hoy and Andrew (BCDM Paper 1989-1).

Hawkeye Developments Ltd. conducted exploration work on the entire Second Relief property in the period May 26 through October 27, 1989. Company employees cleared, flagged, measured and picketed approximately 48 km of lines in two separate grids - the East and West grids. The East grid baseline with orientation 056 degrees crosses the east slope of the Erie Creek valley. Cross lines with orientation 146 degrees are spaced at 60 m. intervals and extend from the valley bottom to the ridge top, with stations at 30 metre spacings. West of Erie Creek the West grid base line is oriented at 045 degrees, has stations at 25 m. intervals and cross lines oriented at 135 degrees with stations at 25 m. intervals. The grid was used by the geologist and the geophysicists to maintain their field positions and was vital to referencing the location of the trenches, sample sites, old workings, and old legal survey points.

V. REGIONAL GEOLOGY

The Second Relief project area lies within the Bonnington Range of the Selkirk Mountains. Dominant rock types belong to the mainly volcanic Rossland Formation. Rock types are

i) the thinly-bedded fine-grained Sinemurian beds, recently re-defined and re-named the Archibald Formation (Hoy and Andrew, op cit)

ii) massive to brecciated flows, lapilli tuffs and other intermediate (shoshonitic) pyroclastic volcanic rocks currently assigned to the Elise Formation (Hoy and Andrew, op cit)

iii) crystalline rocks of the middle Jurassic age Nelson Intrusions. Minor syenitic intrusive bodies probably belong to Middle Eocene age Coryell intrusions.

On a regional scale northerly-trending folds record intense compressional deformation (Hoy and Andrews, op cit) possibly of pre-Nelson batholith age. The so-called Red Mountain fault passes through the valley of Erie Creek.

The Second Relief area mineral deposits have been described as gold-bearing skarn deposits but their morphology is akin to classic gold-enriched shear zone deposits. Vein quartz is notably scarce and pyrite and pyrrhotite are the dominant sulphide minerals.

VI. GEOLOGY OF THE SECOND RELIEF AREA

Bedrock exposures are abundant in most parts of the Second Relief property. Exceptions are in the lower slopes near the north end of the old mine workings and along the valley of Erie Creek where depth of alluvium is known to exceed 5 metres. Granitic terrain has smoothly contoured outcrops. Bedded sedimentary rocks tend to be recessive except east of the former mine where Coryell-type porphyritic dykes support low but steep bluffs. Exposures of fragmental volcanic units vary in character apparently in response to alteration/dioritization.

Detailed outcrop mapping of much of the property grid was undertaken by Erik Ostensoe in order to determine if the vein deposits occur in response to particular geological features (Figure 3). The possibilities that broad areas of low grade gold mineralization could be present and both accessible to mining and amenable to processing, though not suggested by Kucera, was actively considered during mapping and sampling. The southeasternmost portion of the grid was not mapped in detail.

Seven rock specimens were reported on by J. F. Harris, Ph.D., petrologist, for Vancouver Petrographics Ltd. He provided individual petrographic descriptions but stated, in part, in a summary section, that "The rocks of this suite are of debatable origin". Dr. Harris' complete report forms Appendix I of this report.

Figure 3 illustrates the geological features of the Second Relief property. The valley of Erie Creek north and northeast of the confluence of Granite Creek is occupied by a broad ruptured synclinal structure that is closed to the north and apparently broadens and opens to the south. Crystalline rocks of the Nelson Intrusions are present north of Slide Creek and at high elevations west of Erie Creek. Similar rocks occur south of the property and the mine area can thus be characterized as a pendant. Reverse circulation drilling (d.h. R.C. 89-9) indicated that the strong Red Mountain fault that Hoy and Andrews (op. cit) projected south into the Second Relief area does indeed occupy the valley of Erie Creek. Reverse displacement is inferred in an area a few kms north but no sensible evidence of movement was recognized in Erie Creek.


Rocks of the Lower Jurassic age "Sinemurian Beds" (now the Archibald Formation) are exposed in the bed of Slide Creek and at high elevations on both sides of Erie Creek valley (Figure 4). They are typically fissile, thinly bedded and argillaceous. Pyrite occurs everywhere in the formation in small amounts and its weathering results in distinctive bright orange-reddish coloured outcroppings. Several of the stronger concentrations of pyrite were excavated many years ago. Work included open cuts as well as shallow shafts and short adits. Re-sampling and further drilling/blasting work during 1989 confirmed that anomalous gold contents are frequently present in pyritic zones.

Rocks assigned to the Archibald Formation gradationally pass upwards into augite and feldspar porphyries and crystal and lapilli tuffs of the Elise Formation of the Rosslund Group. The individual members of the formation are only vaguely defined except where interbands of argillic or finely tuffaceous material emphasize the bedding. Colours are shades of grey, green, and bluish-green. Clasts vary from dust-size particles to several centimetres in diameter. White angular feldspar and shiny black euhedral pyroxene crystals are abundantly present. All of the known valuable mineral zones are hosted by Elise Formation rocks.

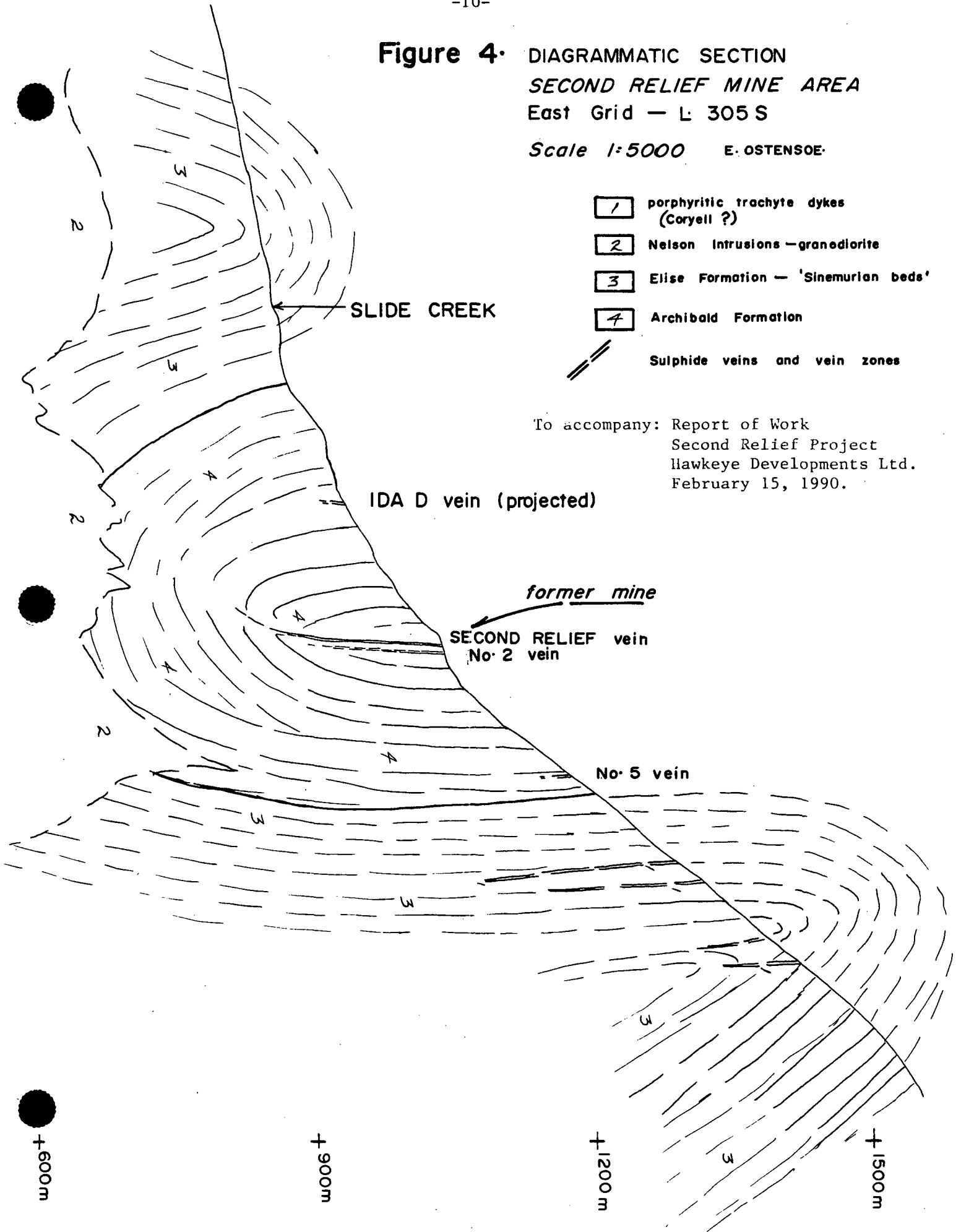
Figure 4 is a speculative diagrammatic cross section of Erie Creek valley at about East Grid Line 305S. The Red Mountain fault should lie near the left (west) edge of the diagram.

Figure 4. DIAGRAMMATIC SECTION
SECOND RELIEF MINE AREA
East Grid — L: 305 S

Scale 1:5000 E. OSTENSOE.

- 1 porphyritic trachyte dykes
(Coryell ?)
- 2 Nelson Intrusions — granodiorite
- 3 Elise Formation — 'Sinemurian beds'
- 4 Archibald Formation
-  Sulphide veins and vein zones

To accompany: Report of Work
Second Relief Project
Hawkeye Developments Ltd.
February 15, 1990.



VII. GEOPHYSICS

A three person field crew supplied by Montgomery Consultants Ltd. completed proton magnetometer and VLF-EM (EM-16) surveys on the entire Erie Creek grid. Hammer seismic surveys of three lines with total length 1000 metres attempted to profile the bedrock configuration of the Erie Creek valley.

Data obtained from Montgomery Consultants Ltd. are included as Figures 5 through 11 of this report.

(a) Magnetometer Survey

An E G and G model G-856AX portable proton precession magnetometer system was employed in surveying the Second Relief grid. A similar recording base station unit was located near the road north of Slide Creek to facilitate correction of data for diurnal and other variations. Such variations were observed to be of small amplitude.

(i) West grid - the survey recorded magnetic responses between 55,000 gammas and 59,000 gammas. Fragmental volcanic rocks of the Elise Formation have a disorganized magnetic response and the method failed to identify either the Rand or the Inez vein. Granitic rocks of Nelson Intrusions at the north end of the grid have relatively "quiet" magnetic characteristics. The contact with the siliceous argillite (Archibald) formation coincides with an increase in the amplitude of variation of the magnetic response. The latter effect increases toward the southwest end of the grid.

(ii) East grid - a strong northerly-oriented magnetic signature is present east of Erie Creek. Magnetic "lows" on upper slopes, for example, at 3+30E on lines 120SW and 180SW, coincide with the presence of coarsely porphyritic Coryell-type augite porphyry dykes.

The Second Relief and No. 2 veins are enveloped by an attenuated weak but distinct northeasterly-trending magnetic trough that extends from L240SW to L420SW. South of L420SW the magnetic "low" is broadly diffused. No similarly obvious magnetic expression is present at the Ida D vein at approximately L120SW/75NW, but there is a coincidence of an attenuated local "low" with the site of the old mine workings. Just north of the Ida D workings the closure of the 57,000 gamma contour approximates the contact between the argillaceous and the andesitic volcanic formations. The valley of Slide Creek is paralleled by a sharply defined magnetic "low".

(b) VLF-EM Survey

A VLF Sabre Model 27 unit was employed in surveying the entire Second Relief grid. The signal from US Navy radio communications station Annapolis, Maryland was used as the source. The VLF-EM survey data were plotted in profile. No detailed geophysical analysis has been undertaken.

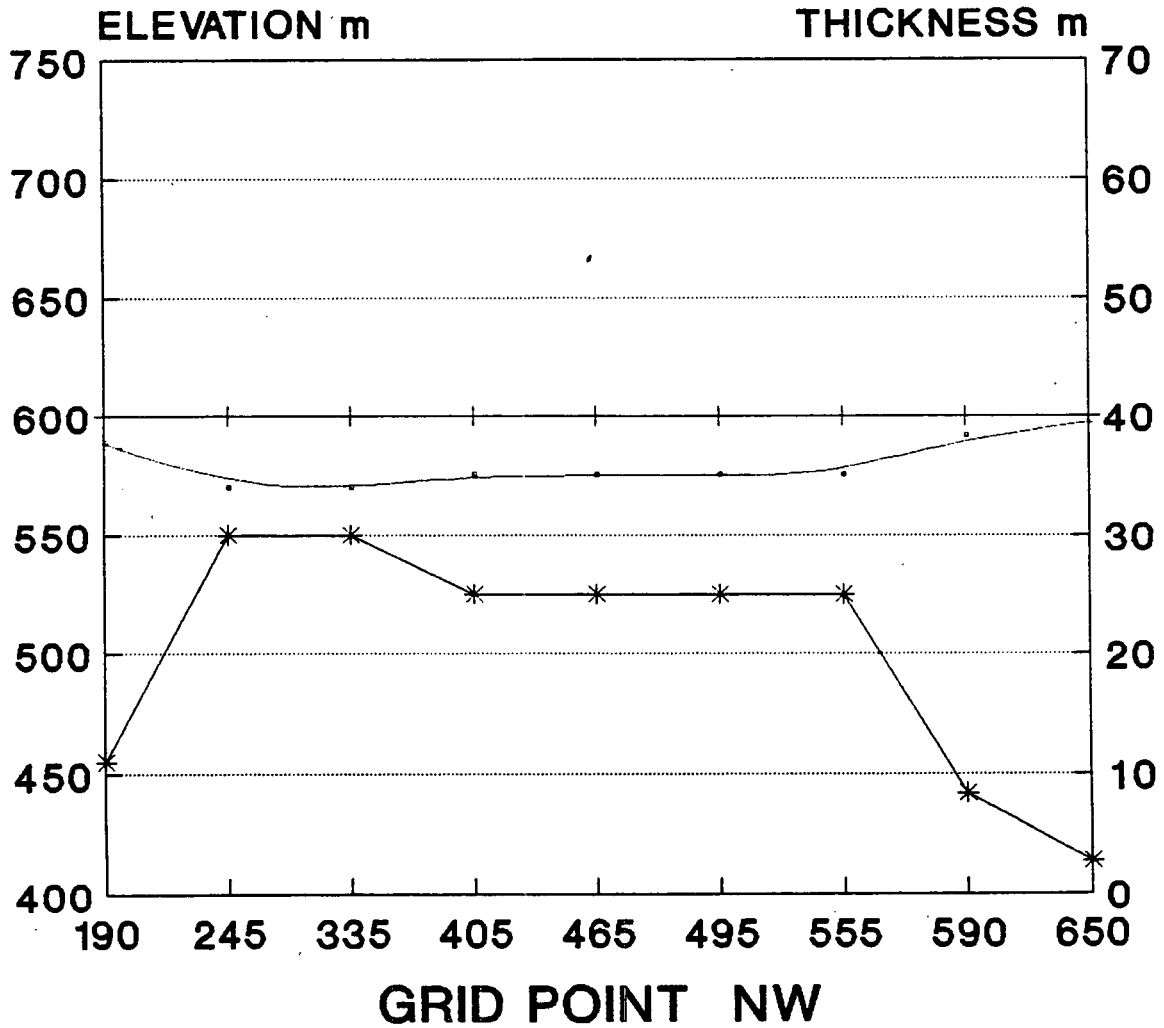
(i) West grid - granite at the northwest end of the west grid has a weakly negative response (Figure 7). The contact between granite and the strongly positive response of siliceous/argillaceous sediments is sharply defined. Areas known to be underlain by fragmental andesitic volcanic rocks have weakly positive VLF-EM signals that are diminished in the southern part of the grid where the strength of dioritization/homogenization of those volcanic rocks is enhanced. Alluvium in the floor of Erie Creek valley has distinctive very low response, both weakly negative and weakly positive. No particular response was correlated with narrow nearly vertical Rand and Inez vein structures.

(ii) East grid - east of Erie Creek VLF-EM responses are distorted by geological and topographical effects that make comparisons between the opposite sides of the valley tenuous (Figure 8). In particular, thinly laminated rocks of the siliceous argillaceous Archibald Formation have a "strongly positive" EM response west of Erie Creek but a "very strongly negative" response east of the Second Relief mine. This contrasting behavior is not explained but may be due to a fortuitous coupling effect of the distant radio transmitter with the bedding. Included massive porphyritic trachytic dykes are not recognizable.

(c) Hammer Seismic Survey

A Nimbus Model ES-125 signal enhancement seismograph was used to survey three grid lines that were extended across the floor of Erie Creek valley to determine the depth to bedrock. These data, for parts of lines 540SW, 780SW and 900SW (Figures 9, 10 and 11 of this report), were required prior to planning drilling tests in the valley bottom. Hawkeye personnel used the information to determine that depths to bedrock were nominal and that it should be possible to penetrate the alluvium with standard drilling tools. One reverse circulation drill hole (RC-89-9) was subsequently drilled between lines 540SW and 780SW.

SEISMIC LINES SECOND RELIEF MINE



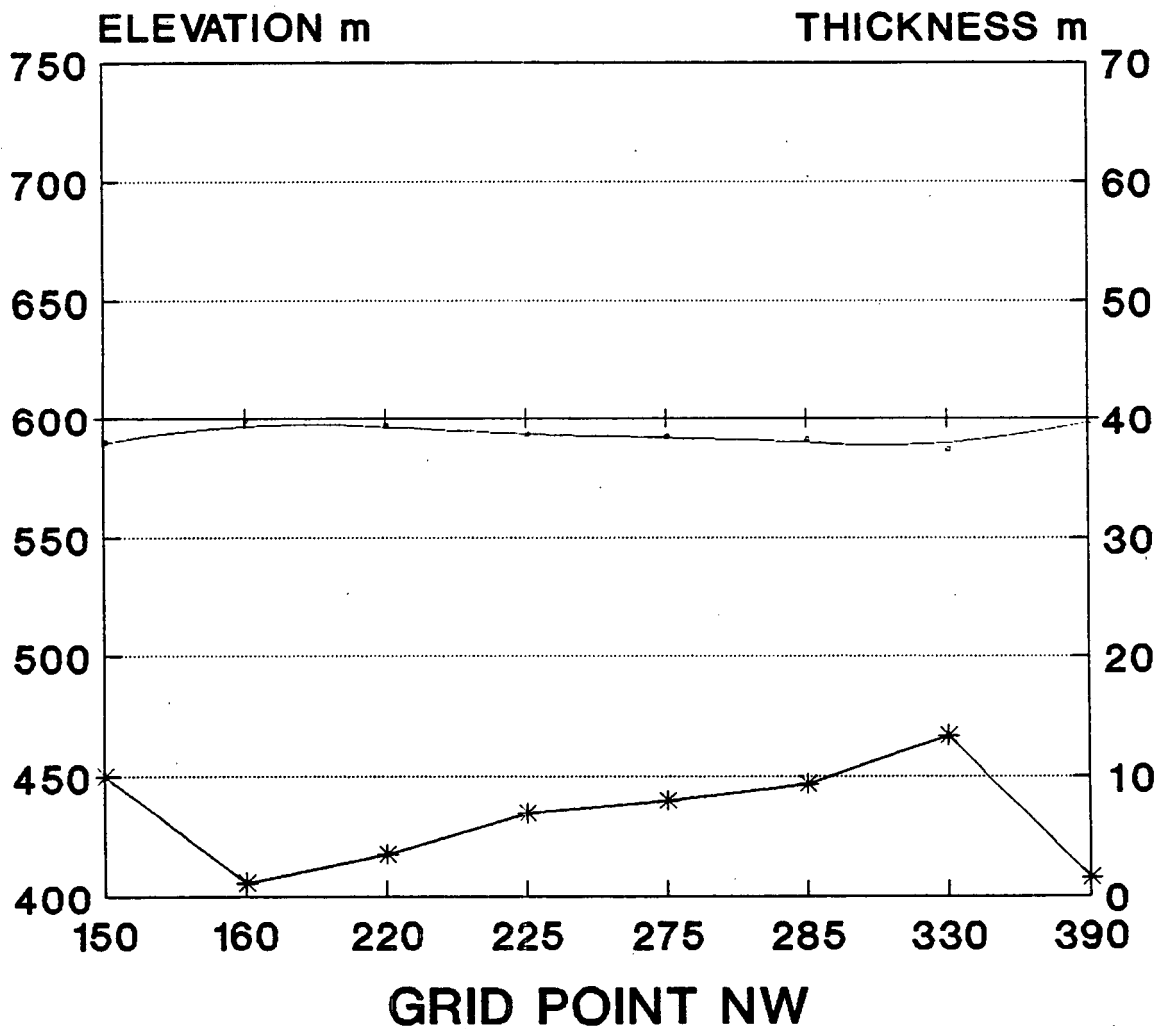
—+— Surface Elevation
—*— Thickness O/B
—•— Bedrock Elevation

LINE 540 SW

FIGURE 9. Hammer Seismic Survey - L540 SW

To accompany: Report of Work
Second Relief Project
Hawkeye Developments Ltd.
February 15, 1990.

SEISMIC LINES SECOND RELIEF MINE



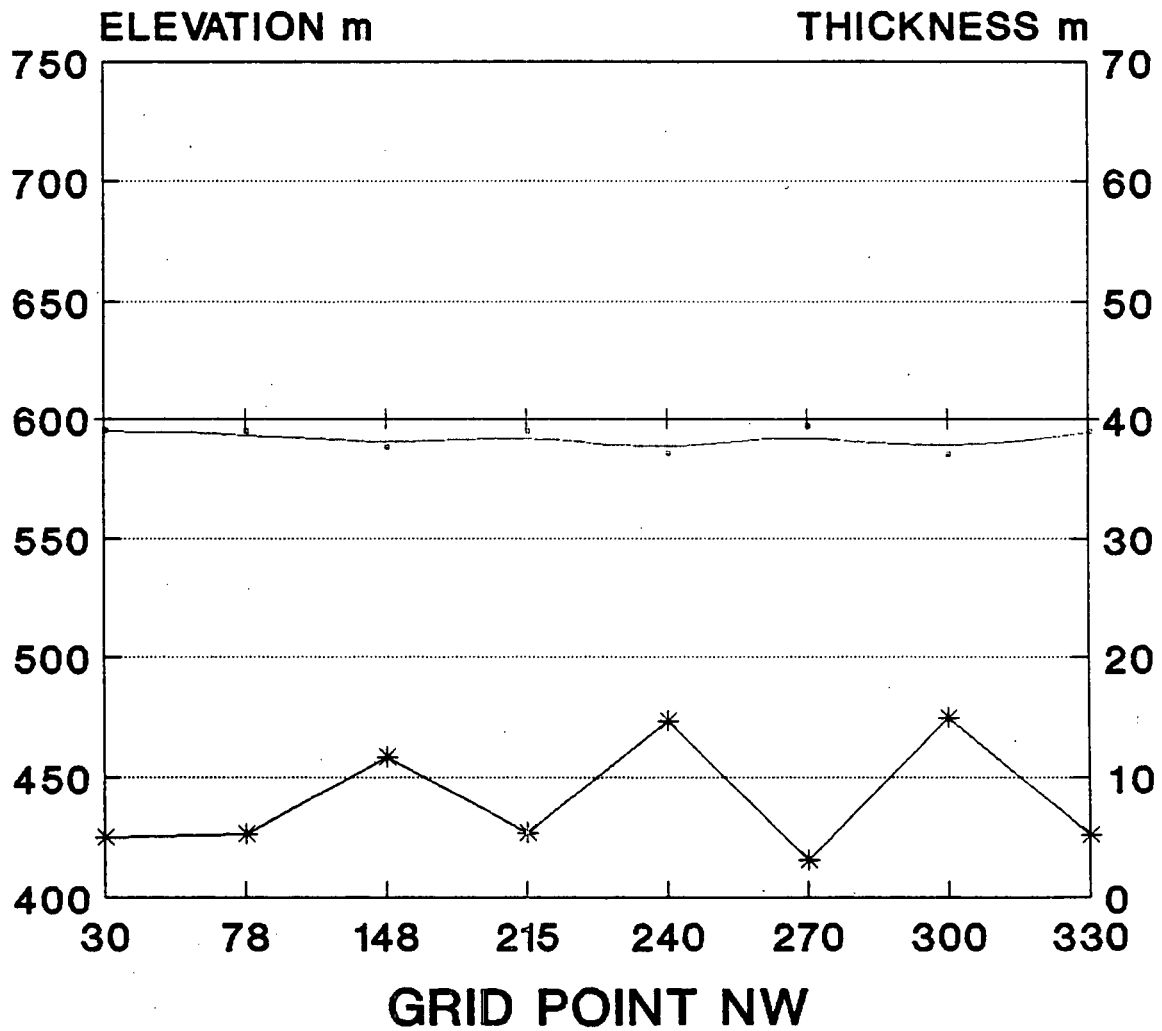
—+— Bedrock Elevation -+ Surface Elevation
—*— Thickness O/B

LINE 780SW

Figure 10. Hammer Seismic Survey -
L780 SW

To accompany: Report of Work,
Second RELief Project,
Hawkeye Developments Ltd.
February 15, 1990

SEISMIC LINES SECOND RELIEF MINE



—•— Bedrock Elevation —+— Surface Elevation
—*— Thickness O/B

LINE 900SW

Figure 11. Hammer Seismic Survey - L900 SW

VIII. SAMPLING

Rock chip sampling was undertaken in several parts of the Second Relief property. Sampling, except in an area at high elevation west of Erie Creek, was accomplished by the following process: bedrock was exposed by use of an hydraulic backhoe (excavator), structures and rock types were determined by cursory mapping, areas thought to have metallic mineral values were chip sampled by hand-held sampling moil and hammer technique. Resulting cuttings, usually with mass of 2 to 5 kgs., were gathered into standard plastic sample bags that were then packaged for shipment by Greyhound parcel express to Kamloops Assay and Research Laboratory Ltd. in Kamloops, B. C. All samples were analysed for gold content; most, for silver, and many, for zinc, copper, and lead. Most 1989 sample locations and assays have been plotted on appropriate assay plans. Assay certificates are included as Appendix II(a) of this report.

a) Inez Vein

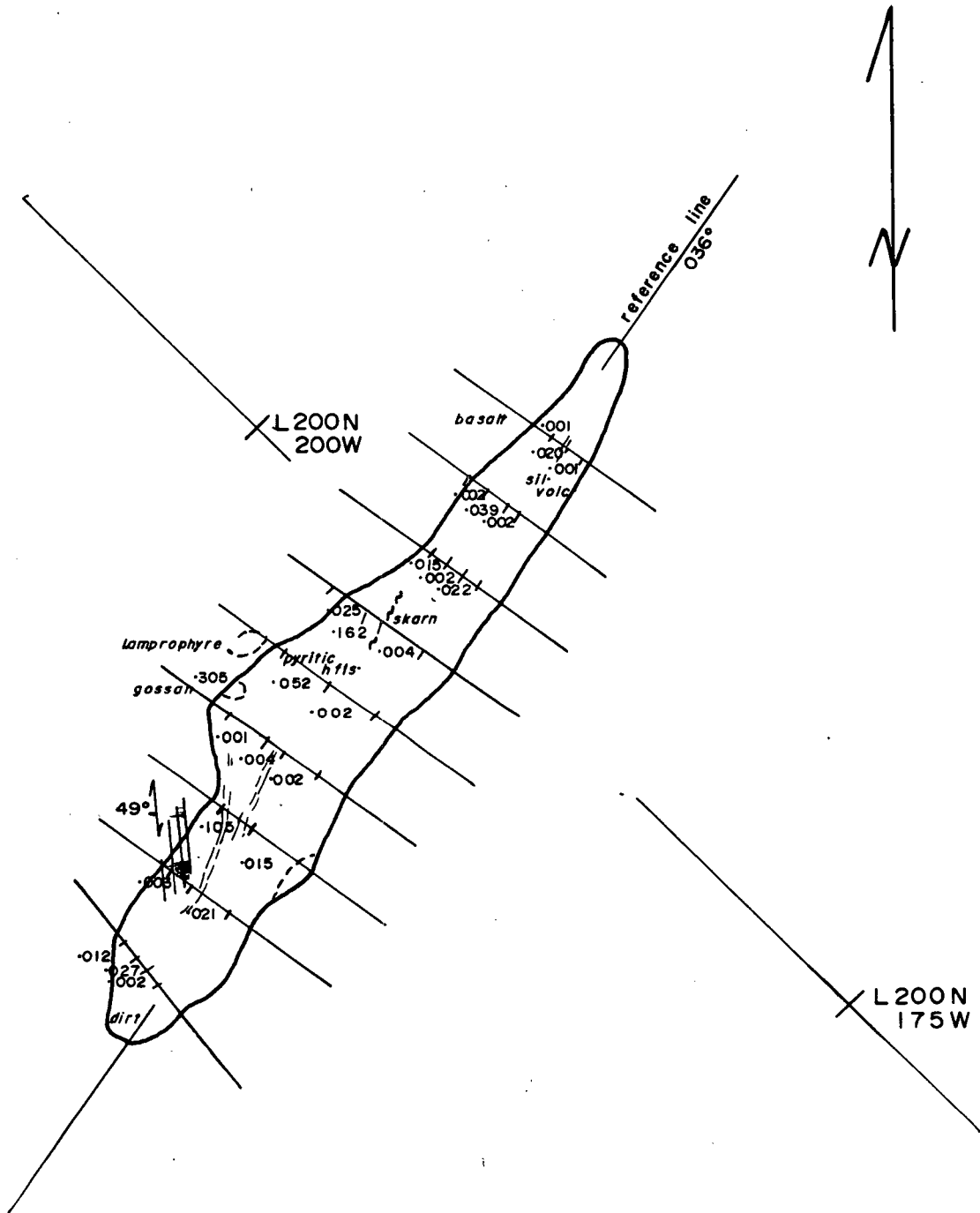
The Inez vein, which is located west of Erie Creek, was excavated and sampled in two areas (i) at its northeast end near grid line 200N, and (ii) "long trench" between grid lines 50 South and 400 South.

(i) Northeast trench

Rocks in the northeast trench are andesite and basaltic andesite. Mineralized structures are narrow and discontinuous with variable and inconsistent metal values (Figure 12). Old boxes of drill core and at least one former drill site, complete with casing protruding from drill hole collars, was found near the northeast end of the trench. Other evidence of mineral exploration was found in the immediate area and it is apparent that mine workings are present at shallow depth. Further exploration work in the vicinity of the northeast end trenches was deferred pending the results of work elsewhere in the area.

(ii) Long trench

The Inez vein was excavated almost continuously from Line 50 S to Line 400 S (Figure 13). Several old bedrock pits were re-opened by this work and what may have been a shaft, located at grid point 175N/186W, was dug into but no bedrock was uncovered. The vein structure was observed to be very variable in appearance,



.057 - gold assay (opt)

Figure 12.
 HAWKEYE DEVELOPMENTS LTD.
 INEZ VEIN - NORTH END
 Assay plan
 Scale: 1: 200 July 1989.



strength, and metal content. Seven zones of possible significance were identified in the distance that was sampled. Details are as follows:

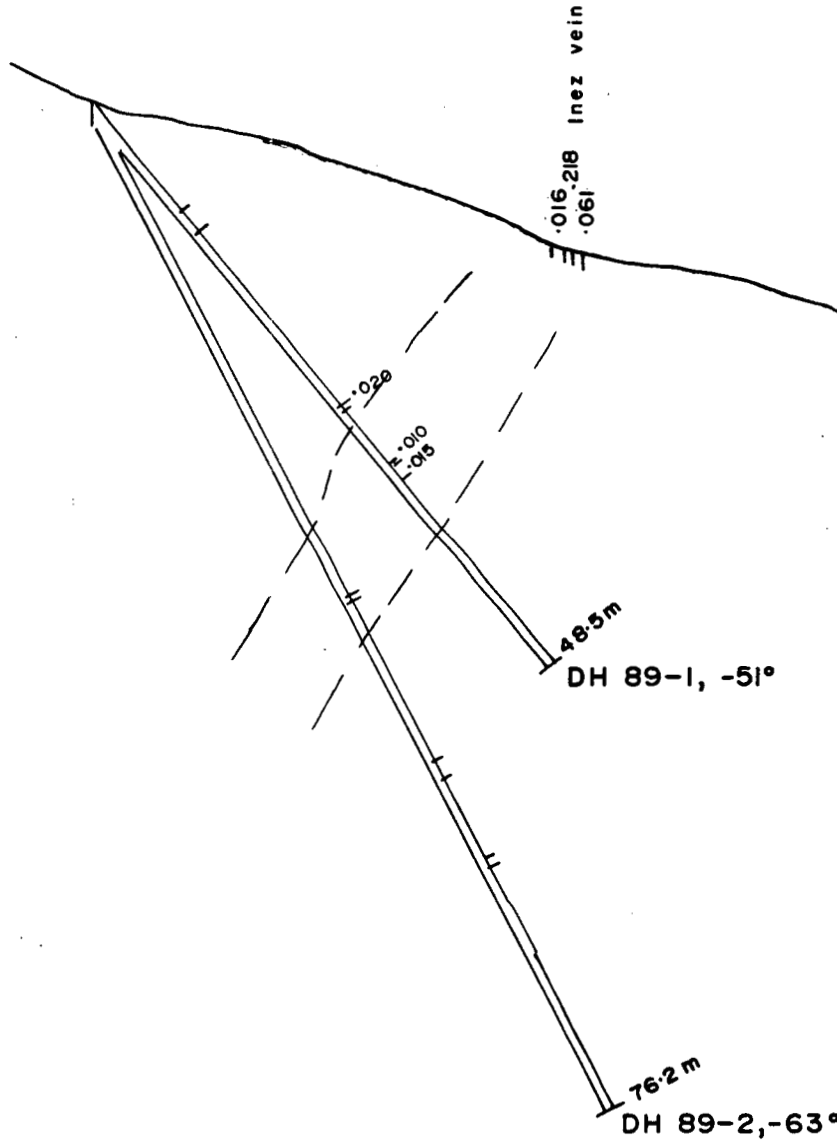
Zone	Length (metres)	Average width (cms)	Gold Content (ounces per ton)
A	15	67	0.258
B	17	73	0.63
C-I	15.5	200	0.086
C-II	15.5	70	0.25
D	26	237	0.17
E	35.5	90	0.245
F	17	193	0.127

These zones, with the exception of Zone F, were later explored by diamond drill holes (Figures 13 to 17 inclusive). Rocks vary considerably but are largely fragmental volcanics with bands of siliceous, fine-grained, strongly hornfelsed sedimentary rocks. Dark matrixed feldspar porphyry dykes are present and are thought to be closely related to what appears to be an underlying dioritic intrusion that was revealed in drill holes. Gold content of drill hole samples varied from nil to 0.349 opt; silver content was negligible. Base metal values where determined were not significant. Details are given in drill core log summaries that are included as Appendix III of this report.

Selected core specimens were analysed by geochemical methods to determine contents of gold and silver as well as of possible pathfinder elements: copper, lead, zinc, bismuth, arsenic and antimony. Certificates of analyses are included as Appendix II(b) of this report.

(b) High Elevation Prospect, West of Erie Creek

An area of gossaned argillite/phyllite is present at the north-west end of west grid lines 50N to 400N. Narrow seams of pyrite are ubiquitously present but most are strongly weathered. Several of the occurrences were obviously explored many years ago by trenching methods and samples taken in 1989 by the geologist during reconnaissance mapping returned low but distinctly anomalous gold assays.



.057 - gold assay (opt)

Figure 14.
HAWKEYE DEVELOPMENTS LTD.
INEZ VEIN - SITE "A"
view northeasterly - d-dh oriented 135° az.
Scale 1:500 Sept. 1989.

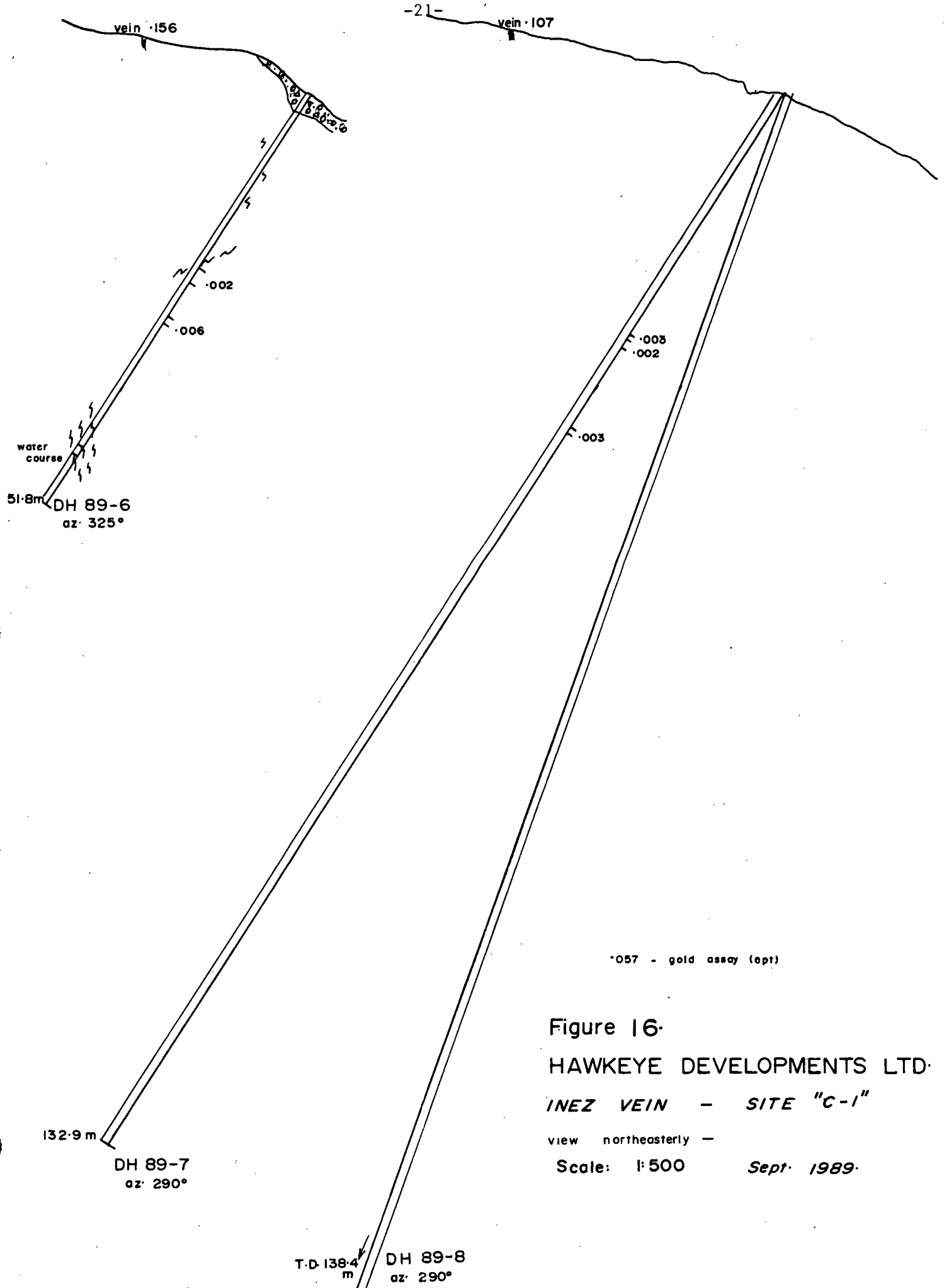
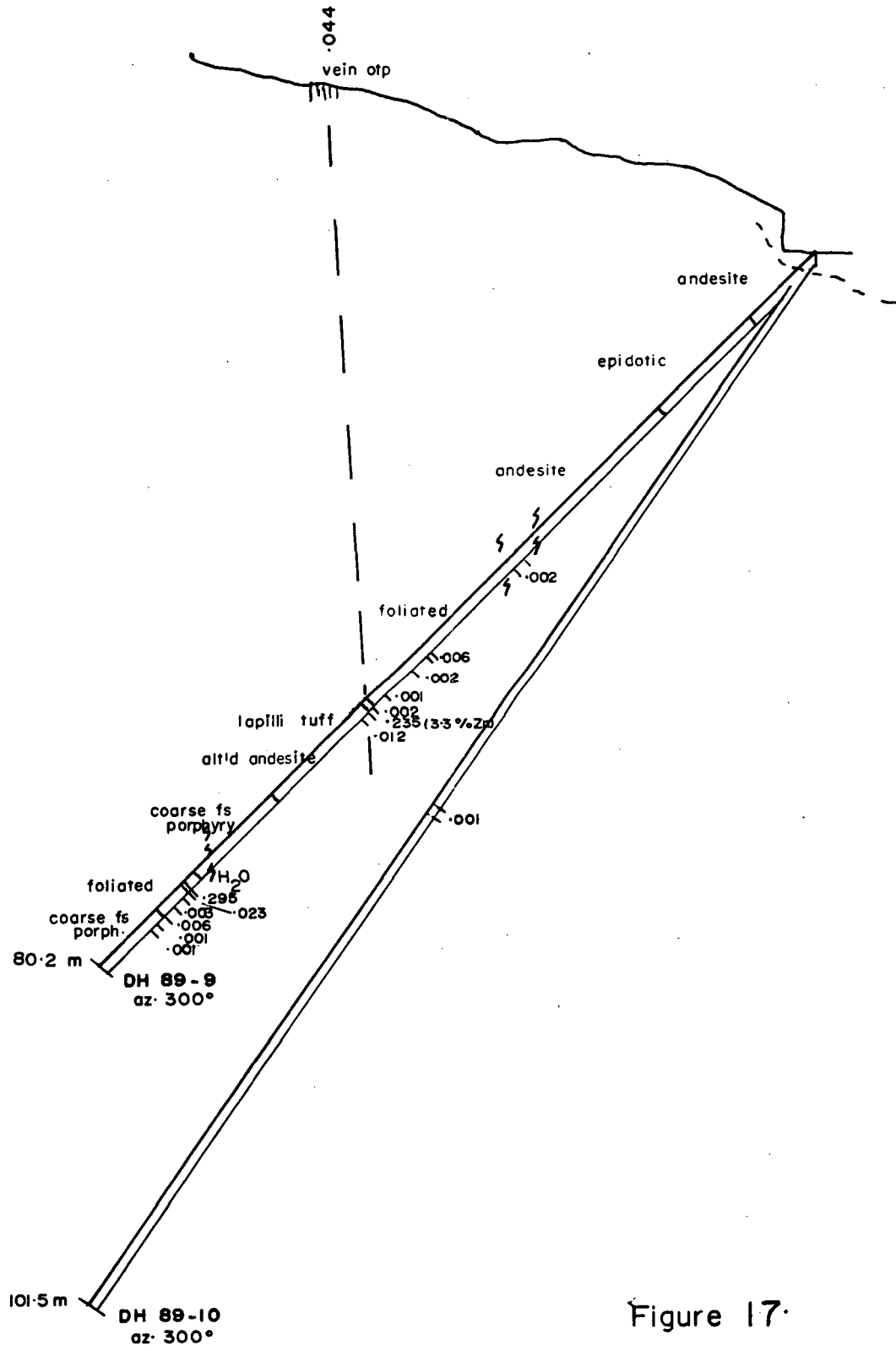


Figure 16-
 HAWKEYE DEVELOPMENTS LTD.
 INEZ VEIN - SITE "C-1"
 view northeasterly -
 Scale: 1:500 Sept. 1989.



.057 - gold assay (opt)

Figure 17.

HAWKEYE DEVELOPMENTS LTD.

INEZ VEIN - SITE "C-II"

view northeasterly -

Scale: 1 = 500.

Sept. 1989.

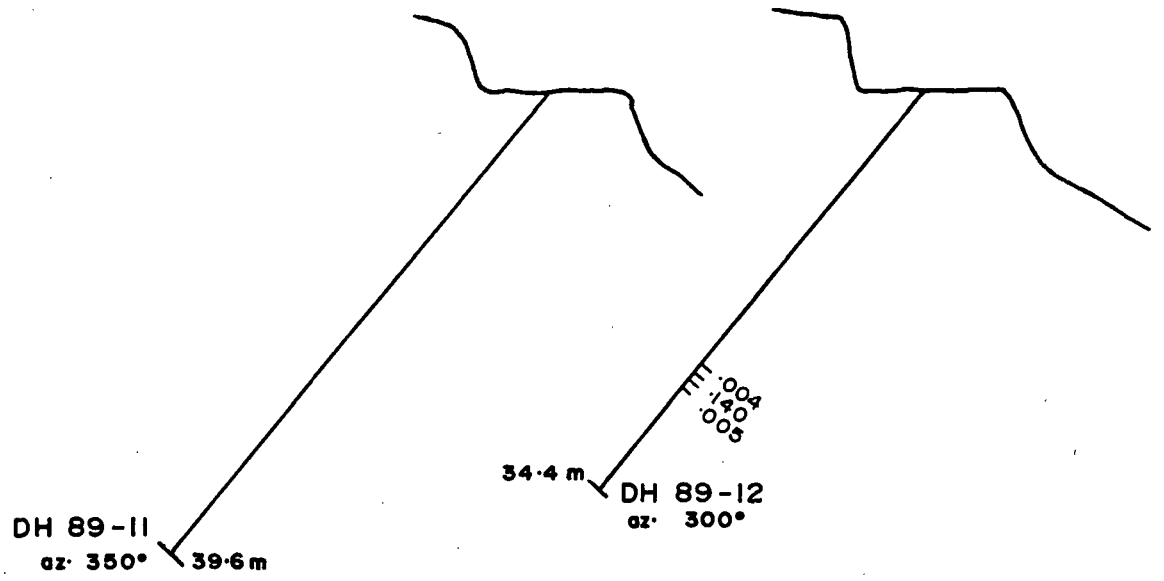


Figure 18.

.057 - gold assay (opt)

HAWKEYE DEVELOPMENTS LTD.
INEZ VEIN - SITE "E"

view northeasterly -

Scale: 1:500

Sept. 1990

Follow-up work included grid extensions, further prospecting, soil sampling (87 samples), Cobra drilling and blasting, and further, more-detailed, chip sampling. Figure 19 illustrates data obtained from soil samples.

The area of pyritization is located close to granitic intrusions and likely is a thermal halo. No broad areas of anomalous gold content were identified and no further exploration work was undertaken pending assembly of data from other parts of the Second Relief property.

(c) Rand Vein

The Rand vein was explored by Relief-Arlington Mines in the later stages of the mine operation. An unknown tonnage of ore was extracted by means of two drift levels with an estimated length of 1000 metres.

The most southwesterly exposures of the Rand vein are at grid point 75N/330W where a shallow waterfilled shaft explores the extension of narrow but massive sulphide mineralization that is exposed in a trench at 100N/290W. Samples from the trench and from a quantity of stockpiled mineralized rock near the shaft head contain in excess of 1 opt gold.

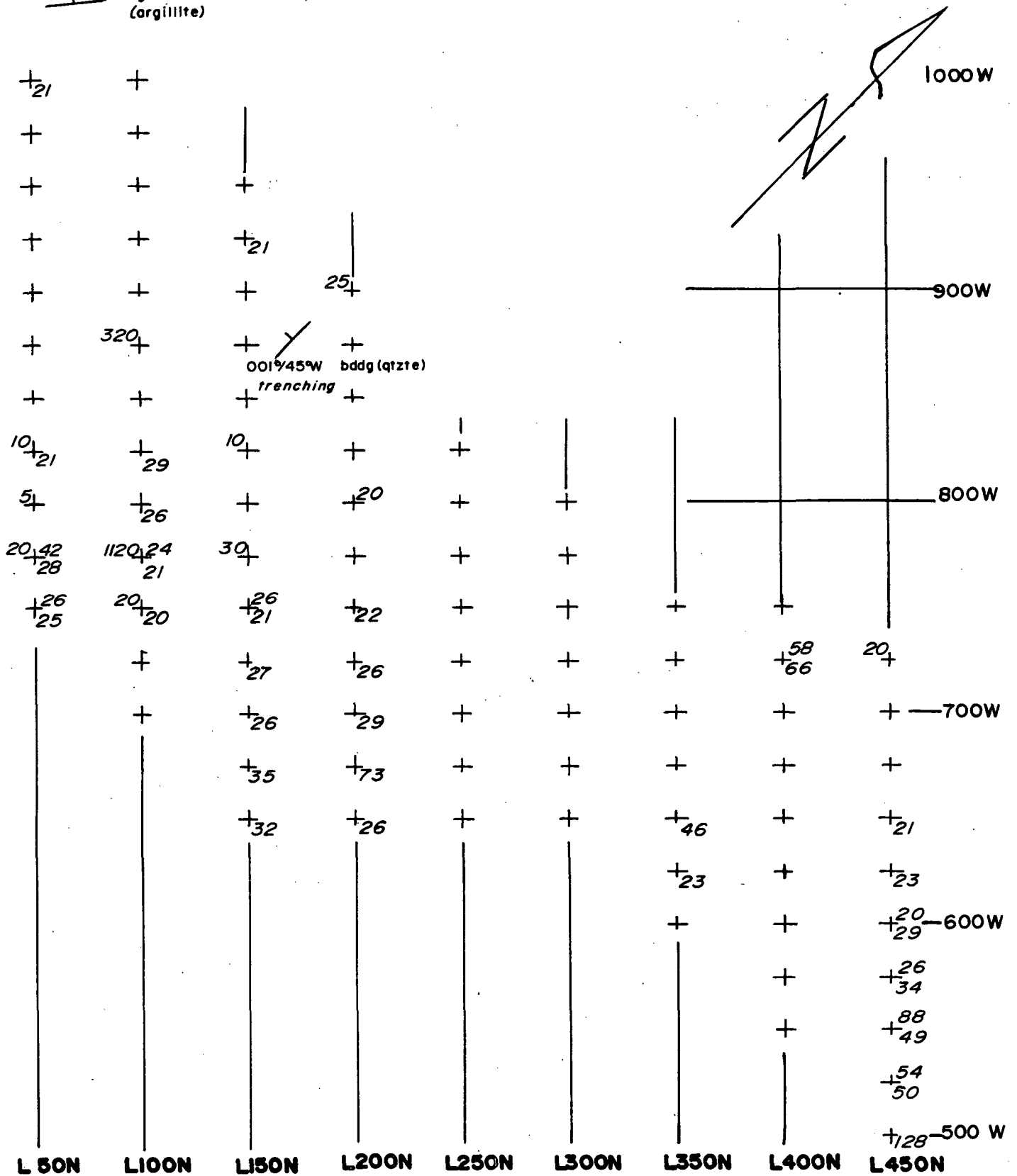
The excavator was used to deepen and extend the Rand trench and to search for the vein extension west of the shaft. Trench samples are illustrated in Figure 20. Trenching west of the shaft failed to reach bedrock and examination of old mine plans indicates that the bottom section of the apparently vertical shaft was in fact inclined to the south where, judging from the "ore" pile, it found the vein.

Detailed sampling of the Rand trench (Figure 19) showed that gold values are erratic. It is probable that the early mining efforts removed all ore that was accessible from the adit levels, perhaps stoping up to the grassroots. Considering the fact that diamond drilling of the nearby Inez vein resulted in data that suggested that the area is underlain at shallow depth by a dioritic intrusion that is not mineralized, there is little incentive to confirm that conclusion at this time by carrying out further exploration of the Rand vein.

(d) Mineral Zones Located at Upper Slopes, East of Erie Creek

Several pyritic areas located near the east ends of the grid lines east of the Second Relief Mine were explored many years ago by trenches, short adits, and shallow shafts. As part of the

56° bddg 60m west
(argillite)



>20 ppb Au As >19 ppm
>2 ppm Sb Cu >20 ppm

Figure 19.

HAWKEYE DEVELOPMENTS LTD.
SOIL SURVEY - WEST GRID
'B' Horizon Soils

Scale: 1:500 1989.

1:2500 TR

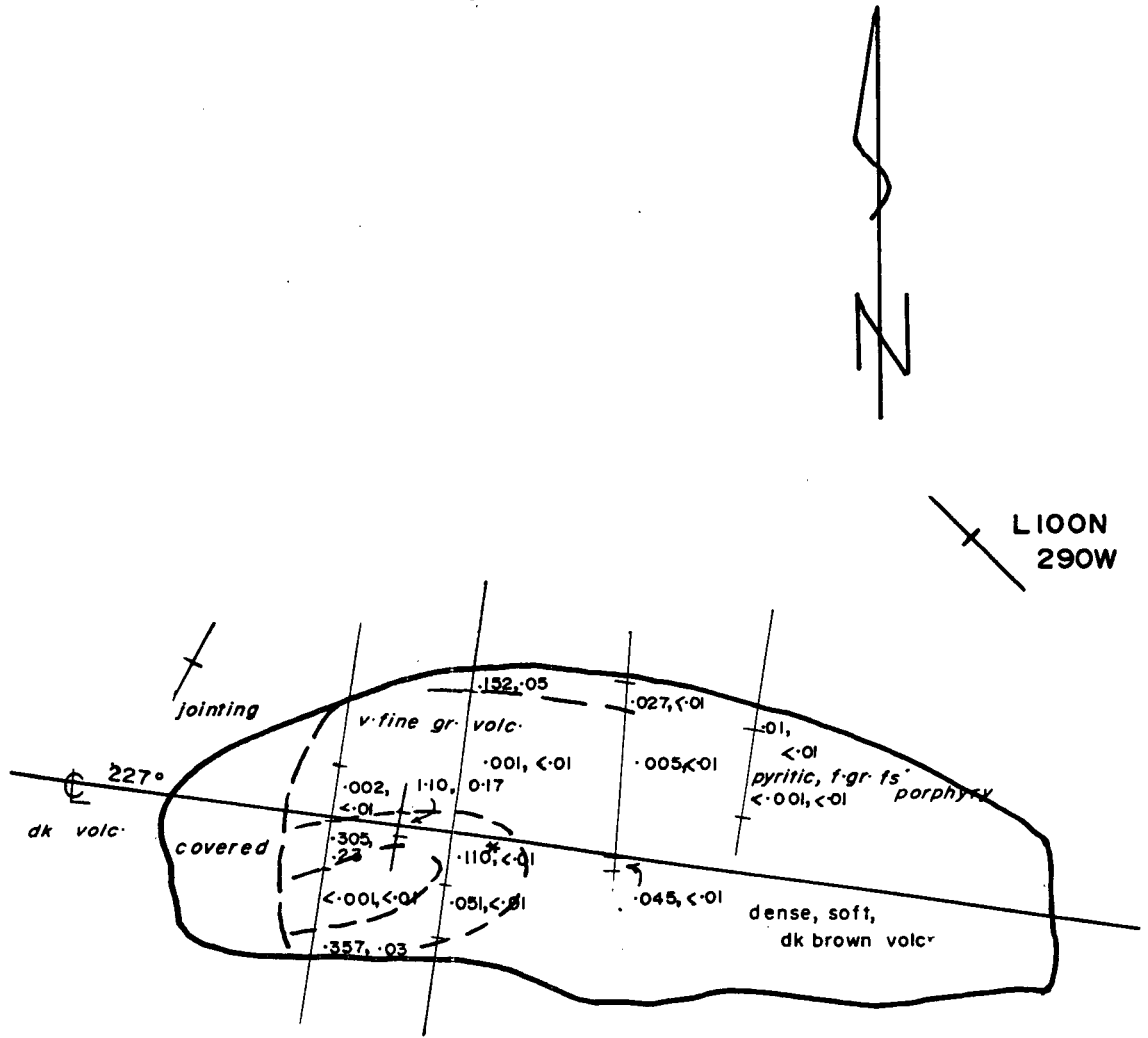


Figure 20.

HAWKEYE DEVELOPMENTS LTD.

RAND TRENCH -

Scale: 1cm = 1m.



Assays - opt gold, silver

* metallic gold

1989 field program, some of these zones were resampled and, although some substantial gold values were found, none appears to have the size and strength needed to qualify it as deserving further exploration. This conclusion is preliminary and would be reviewed if substantial quantities of potential gold ore were found elsewhere on the property.

The pyritized zones are similar to those in hornfelsed argillite/phyllite described in a previous section of this report. Apart from the presence of several thick augite porphyry and feldspar porphyry dykes of Coryell Intrusions affinity, there are no known nearby outcroppings of granitic rocks and it seems likely that there is no direct genetic relationship between the sulphide flooding and intrusions.

(e) No. 5 Vein

The No. 5 vein is located 100 metres east of workings of the Second Relief mine. A crude road was built to it in fall, 1988, at which time the portal of an old adit was uncovered and samples were taken. Further excavation, in search of southwesterly continuations of the vein, was done during June, 1989. Deep trenches were dug but nothing was found that was similar to material present in the adit where the vein is about 1.5 metres wide and carries pyrite and chalcopyrite. Two 1988 samples, reported by Dr. Kucera, contained 0.002 and 0.774 opt gold.

The vein is located in the transition zone between Elise sedimentary rocks and Archibald volcanic rocks. It is terminated at its northeast end by an easterly-striking high angle zone of shearing but its southwesterly continuation was either not excavated or not recognized.

(f) Ida D Vein

The Ida D vein, located about 150 metres west of the Second Relief vein, contributed ores in the early days of the mine. The portal area of the structure was excavated and sampled as part of the 1988 work and Dr. Kucera reported the following gold assays: 0.458, 0.588, 1.040, and 0.003 opt.

In June, 1989, the excavator was used to re-open a caved shaft located about 30 metres southwest of the 1988 workings. A 9-inch wide sample taken from the shaft wall, at depth 5 metres below bedrock surface assayed 0.68 opt gold and less than 0.01 opt silver. Other grab samples from the unstable brow of an adit contained gold particles.

Two diamond drill holes, numbers 89-13 and 89-14 (Figure 21), were drilled beneath the vein in search of vertical extensions of the gold-bearing structure. Both holes encountered long sections of strongly sheared Archibald-type rocks and it is apparent that they were drilled into a fault structure. No conclusive evidence was obtained concerning the vertical persistence of the gold-bearing structure.

Parenthetically, it should be noted that although about 1000 ounces of gold is reported to have been produced from the Ida D vein, the company does not have any plans or other basic data concerning the productive zone. Trenches excavated many years ago in the area immediately north of the Ida D adit have traced the zone northerly into the so-called "Sinemurian Beds" where one may speculate that gold values diminished. Similar effects were experienced at the north end of the Second Relief mine.

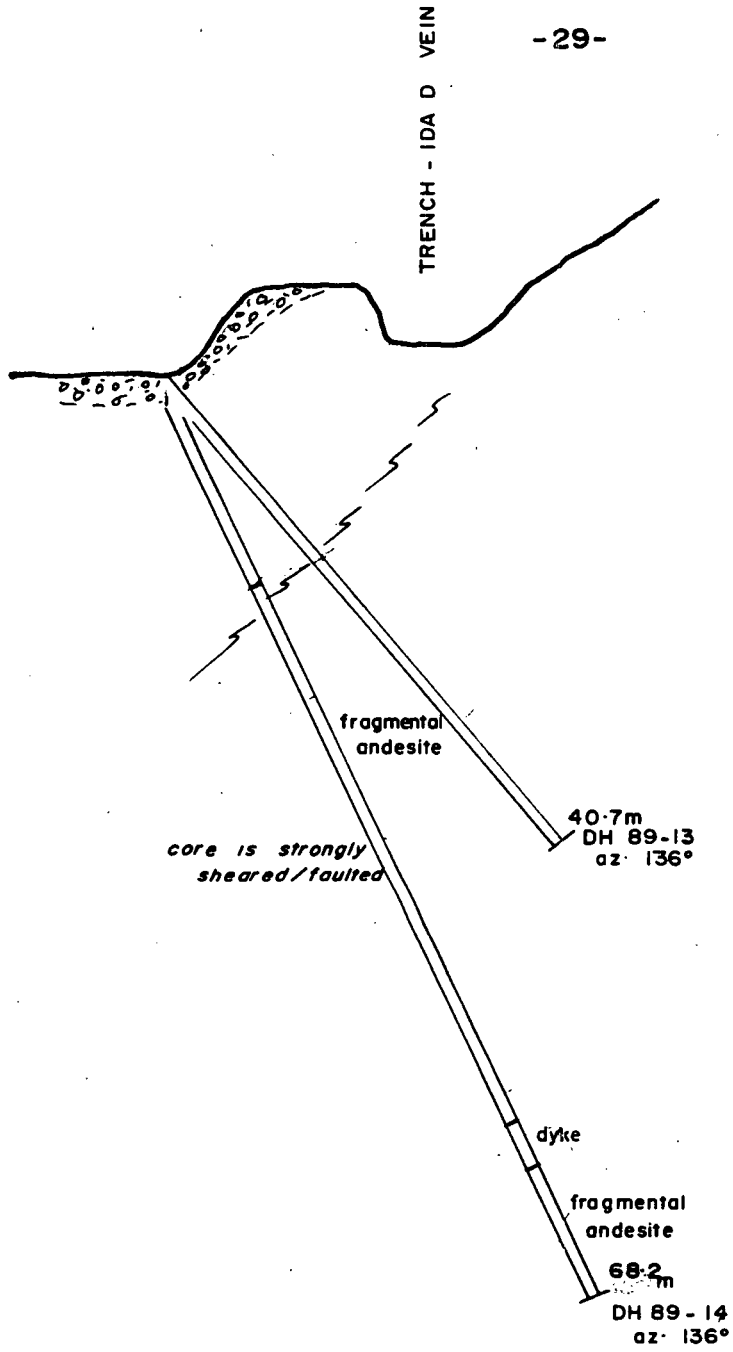
(g) No. 2 Vein

The No. 2 vein structure, in accordance with Dr. Kucera's recommendations, was the principal objective of 1989 exploration work east of Erie Creek. It has numerous similarities to the Second Relief vein and it closely parallels that vein both in strike and dip. Hosted by altered fragmental volcanic rocks of the Elise Formation, the vein is a persistent strand of metallic minerals, variously pyrite, pyrrhotite, magnetite, sphalerite, and chalcopyrite, with an attendant envelope of silicification but very sparse vein quartz. Visible gold particles, noted in several places, are fine-grained.

Widths vary substantially and there seems to be little correlation between widths and gold tenor. 1989 work, supplemental to and in a sense a continuation of the 1988 excavations, was two-fold: (1) additional detailed sampling of the surface portion of the vein and (2) reverse circulation drilling to intersect the vein at significant depths below surface.

Detailed sampling employed a Cobra drill and dynamite to expose less-weathered material at shallow depths, which material was then chip-sampled by the moil and hammer method. Samples were taken at irregular intervals in a 200 metre length. Some assays can be compared to those taken in 1988 from corresponding but more superficial sites, others are representative of parts of the vein that were not previously sampled. Figure 22 illustrates 1989 samples.

Eight reverse circulation drill holes, numbered RC-89-1 to RC-89-6 and RC-89-10 and RC-89-11, were directed to deeper parts of the No. 2 vein and two holes, RC-89-7 and RC-89-12 tested it



24 core samples — all nil gold

Figure 21.

HAWKEYE DEVELOPMENTS LTD.

IDA D VEIN — view northeasterly.

Scale: 1:500

Sept. 1989.

near surface. Figures 23 to 27 are somewhat diagrammatic presentations of vertical sections that illustrate the reverse circulation drill holes, as well as, where they were recognized, Second Relief mine workings and No. 2 vein. Gold assays are plotted on the sections.

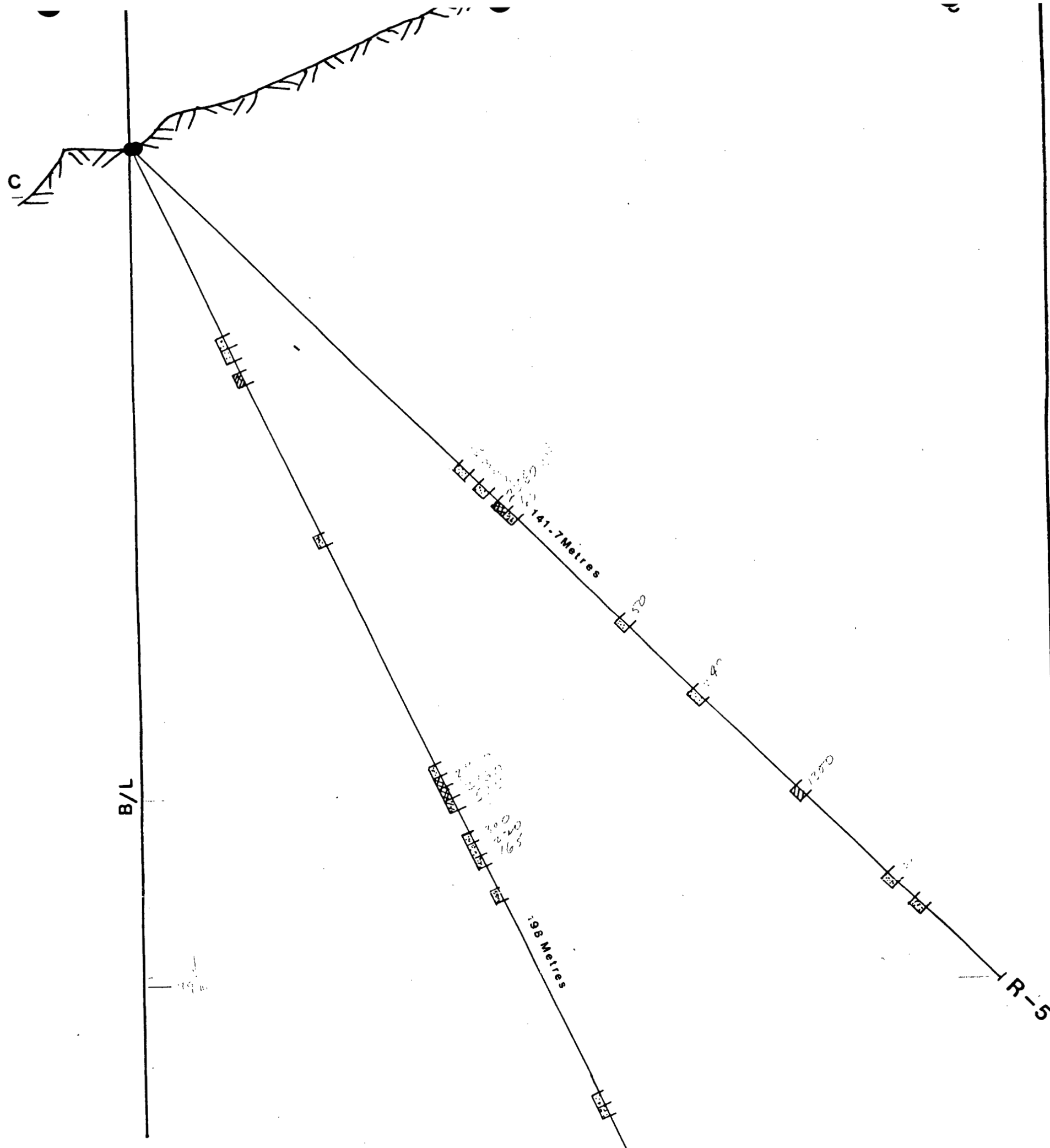
Several reverse circulation drill holes failed to reach their objective, the No. 2 vein, due to over-estimation of the capability of the machinery employed. Initially it was planned to drill two holes, at -65 degrees and -80 degrees, from each of three prepared drill sites. The drill had insufficient power to reliably lift cuttings and water from hole depths of more than about 175 metres so the -80 degree holes were eliminated and the program was changed to -45 degree and -65 degree holes.

The vertical sections show that, where intersected, No. 2 vein contains substantial amounts of gold. The reliability of the sampling method cannot be determined from the limited number of intersections obtained so that the assays should be accepted as being qualitative rather than as being of high precision. Nonetheless these few and very preliminary drill hole results are considered to be strongly encouraging as well as being confirmation of information preserved from work done in the 1930s by Relief Arlington Mines Ltd. Further test work is recommended in a later section of this report.

Review of drill cuttings indicates that wall rocks in the hanging wall of Second Relief vein are strongly propylitized fragmental volcanic rocks of intermediate composition. Rocks between Second Relief vein and No. 2 vein are dark matrix biotitized feldspar porphyry. Similar rocks are present at surface where they clearly are dykes.

(h) Erie Creek "Zone"

Two reverse circulation drill holes were drilled in the "floor" of Erie Creek channel. Drill hole RC-89-8 was drilled westerly in search of the possible continuation of the Inez and Rand veins (Figure 28). No encouragement resulted from that hole and drill hole RC-89-9 was then drilled easterly beneath Erie Creek to test bedrock in an area of possible mineral potential where there are no outcroppings. Hole RC-89-9 passed through an intensely sheared zone that is likely the southerly continuation of the "Red Mountain Fault" that was mapped by Hoy and Andrew at Fortynine Creek north of the Nelson Intrusions that occupy the upper parts of Erie Creek valley.



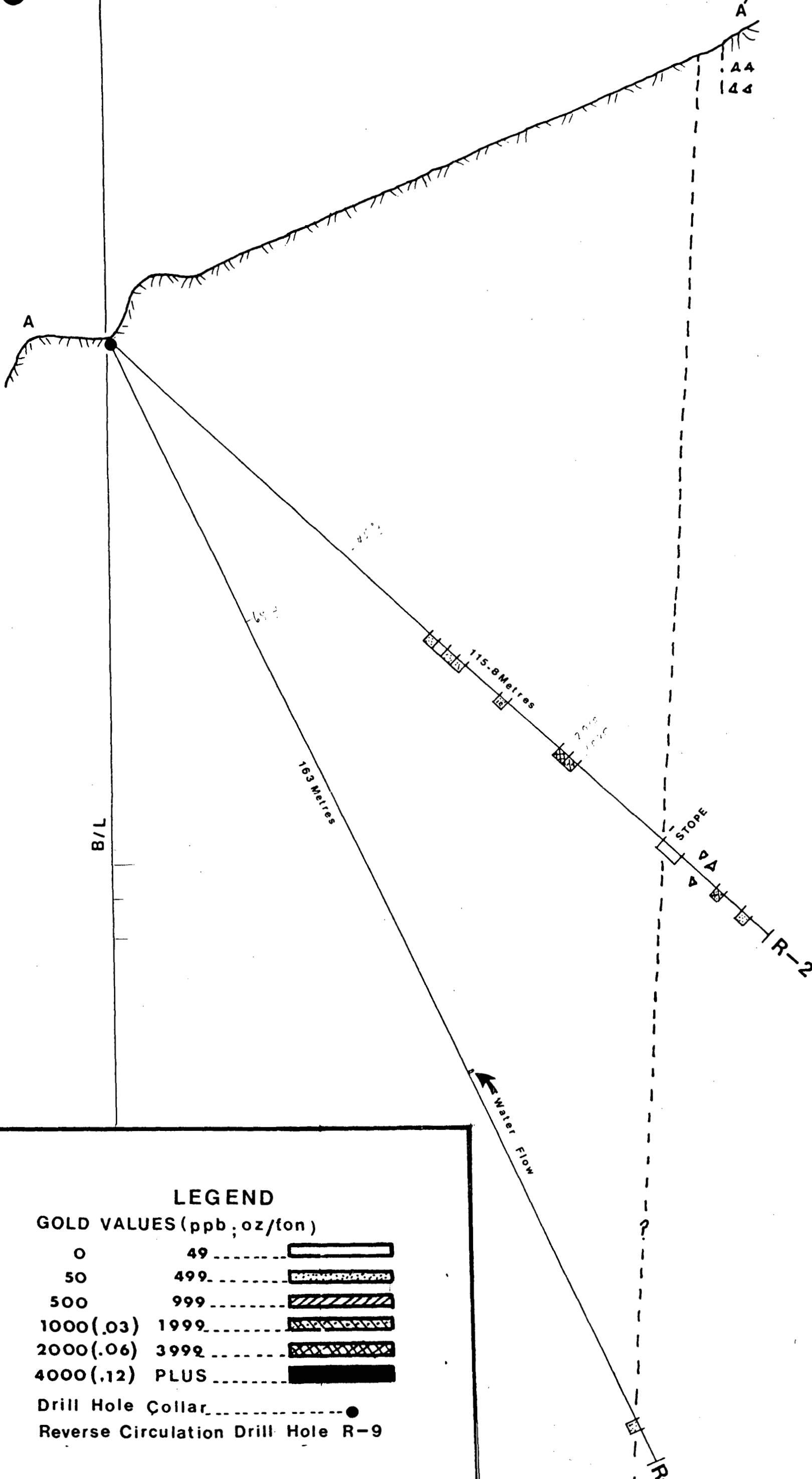
LEGEND		
GOLD VALUES (ppb, oz/ton)		
0	49	[White box]
50	499	[Horizontal lines]
500	999	[Diagonal lines /]
1000 (.03)	1999	[Diagonal lines \]
2000 (.06)	3999	[Cross-hatch]
4000 (.12)	PLUS	[Solid black]
Drill Hole Collar		[Small circle]
Reverse Circulation Drill Hole R-9		[Small circle]

DRAWN BY J. F. B. /
 DATE DECEMBER 1989

HAWKEYE DEVELOPMENTS LTD
 SECTION C-C' (378.5S)

SCALE 1:500
 FIGURE No 25

R-9
 169
 144



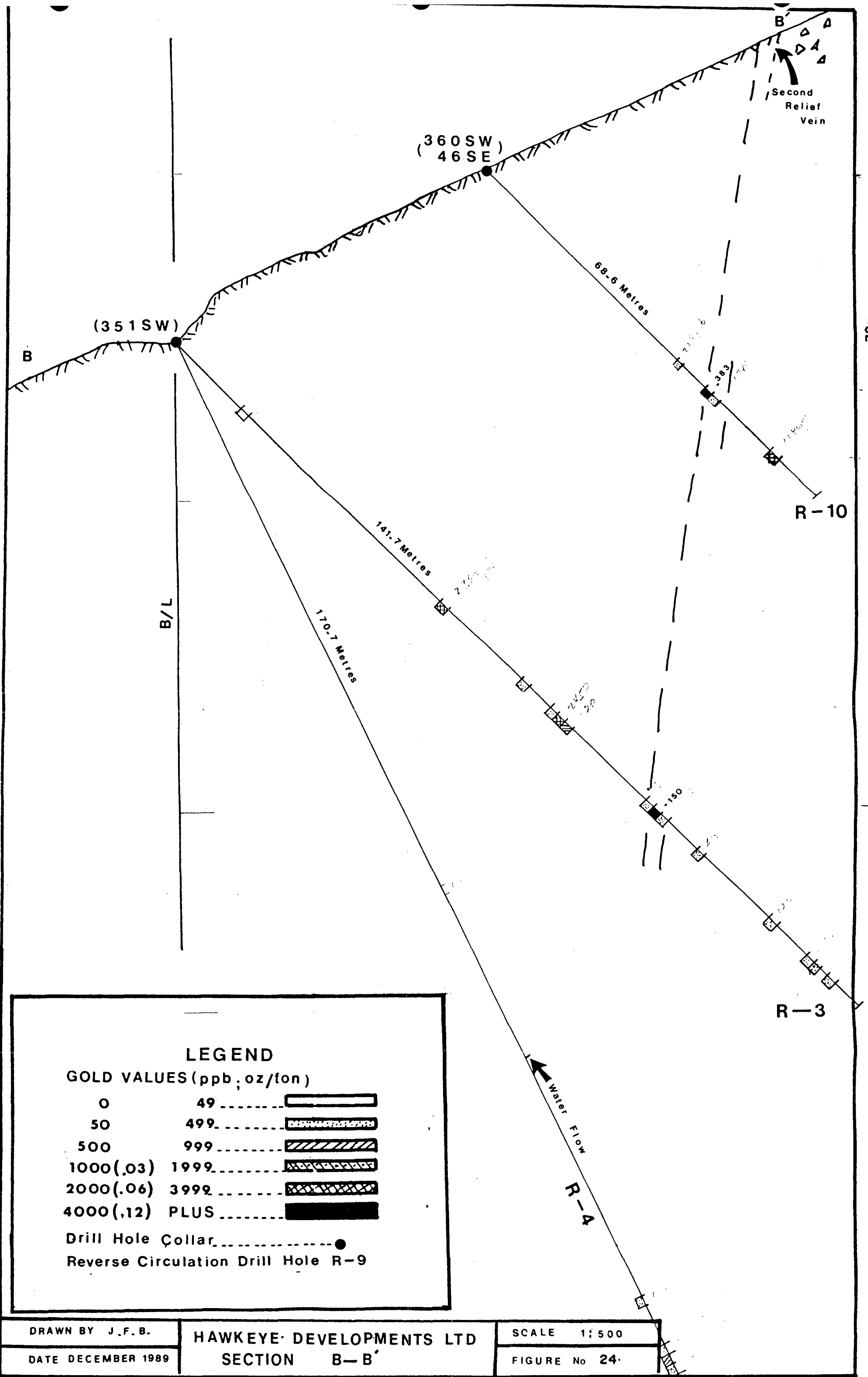
LEGEND

GOLD VALUES (ppb ; oz/ton)		
0	49	[White Box]
50	499	[Horizontal Lines Box]
500	999	[Diagonal Lines Box]
1000 (.03)	1999	[Wavy Lines Box]
2000 (.06)	3999	[Cross-hatch Box]
4000 (.12)	PLUS	[Solid Black Box]
Drill Hole Collar		[Dashed Line with Dot]
Reverse Circulation Drill Hole R-9		[Dashed Line]

DRAWN BY J.F.B.
DATE DECEMBER 1989

HAWKEYE DEVELOPMENTS LTD
SECTION A—A' (325SW)

SCALE 1:500
FIGURE No 23



-32-

LEGEND		
GOLD VALUES (ppb; oz/ton)		
0	49	.....
50	499	.....
500	999	.....
1000 (.03)	1999	.....
2000 (.06)	3999	.....
4000 (.12)	PLUS	.....
Drill Hole Collar	●
Reverse Circulation Drill Hole R-9		.....

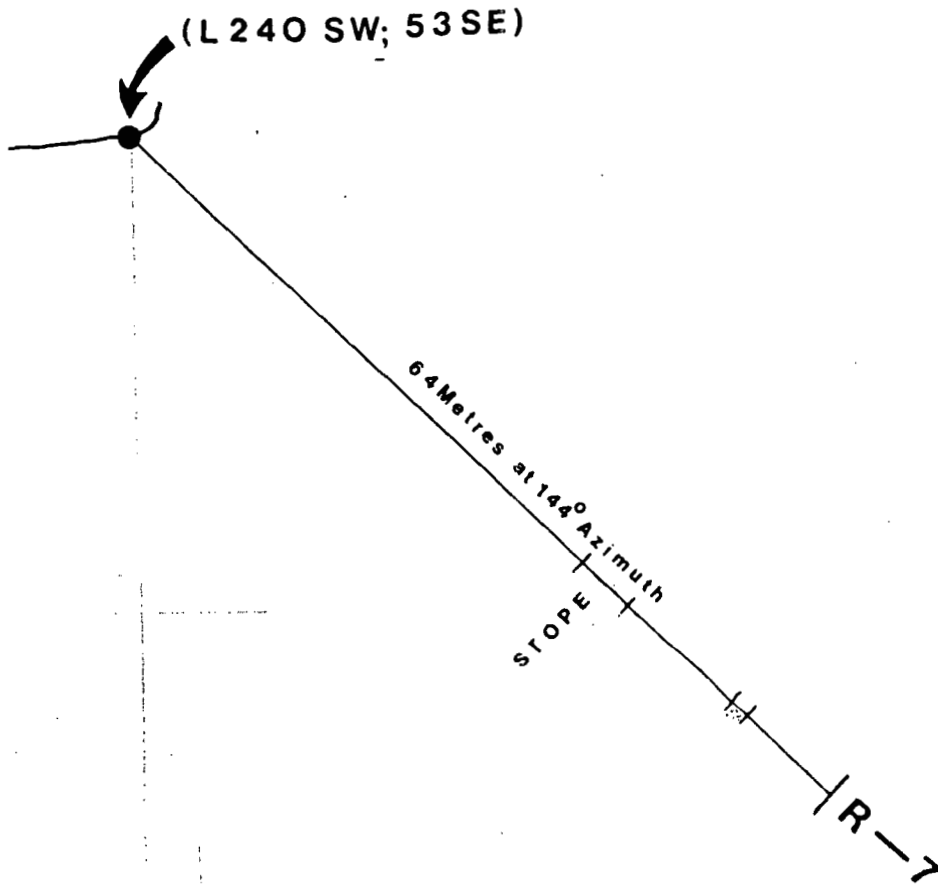
DRAWN BY J.F.B.
DATE DECEMBER 1989

HAWKEYE DEVELOPMENTS LTD
SECTION B-B'

SCALE 1:500
FIGURE No 24

D

D'



LEGEND

GOLD VALUES (ppb ; oz/ton)

0	49	.....	[White Box]
50	499	.....	[Horizontal Lines]
500	999	.....	[Diagonal Lines /]
1000 (.03)	1999	.....	[Diagonal Lines \]
2000 (.06)	3999	.....	[Cross-hatch]
4000 (.12)	PLUS	.....	[Solid Black]

Drill Hole Collar.....●

Reverse Circulation Drill Hole R-9

DRAWN BY J.F.B

HAWKEYE DEVELOPMENTS LTD
SECTION D—D'

SCALE 1:500

DATE DECEMBER 1989

FIGURE No. 26

E

E'

(L 240SW, 53SE)

86-9 Metres at 180° Azimuth

3430

57, 61







1215

155 ppb

R-12

LEGEND

GOLD VALUES (ppb, oz/ton)

0	49	
50	499	
500	999	
1000 (.03)	1999	
2000 (.06)	3999	
4000 (.12)	PLUS	

Drill Hole Collar 

Reverse Circulation Drill Hole R-9

DRAWN BY J.F. B.

HAWKEYE DEVELOPMENTS LTD
SECTION E—E'

SCALE 1:500

DATE DECEMBER 1989

FIGURE No 27

ERIE CREEK

130 ppb Au

Figure 28
REVERSE CIRCULATION
DRILL HOLES
ERIE CREEK SITE

-65° 320° azimuth
RC-8
97 m

-55° 140° azimuth

280 ppb Au

RC-9
146 m

HAWKEYE DEVELOPMENTS LTD.
SECOND RELIEF PROJECT
ERIE, B.C.

To Accompany: Report of Work
February 15, 1990.

IX. COMMENTS AND OBSERVATIONS

1. Veins at Second Relief property are sheared, quartz poor, structures that are irregularly mineralized with one or more iron sulphides plus one or more of magnetite, chalcopyrite and sphalerite. Metallic gold is present as dust-sized particles except at Ida D vein where gold grains are as coarse as 2 mm diameter.

2. Diamond drill holes failed to prove vertical persistence of the Inez vein. Drill core sample assays were less than those obtained from surface channel samples. Dioritic feldspar porphyry intrusive rocks were intersected at shallow depths in drill holes and may indicate that mineral potential is severely restricted.

3. Magnetometer and VLF-EM surveys confirmed data obtained by geological mapping. Vein structures are too narrow and too sharply defined to be reliably traced by the geophysical methods employed but further analysis of the data may yield useful information concerning the entire zones.

4. Strongly iron-stained pyritic and siliceous argillic sedimentary rocks of the Archibald formation contain tantalizing concentrations of iron sulphides but gold values are seldom significantly higher than background.

5. The No. 2 vein is known to contain important amounts of gold in steep zones of moderate thickness that appear at surface in a distance of 200 metres. A few reverse circulation drill holes have confirmed persistence of gold values to at least 200 metres below surface.

6. The Ida D vein has significant gold values, including visible gold, in surface exposures. The vein is cut by a strong fault zone that appears to neither offset the structure nor diminish the gold content.

X. RECOMMENDATIONS

Additional exploration of the No. 2 vein of the Second Relief property is strongly recommended. Experience to date shows that continuation of reverse circulation drilling utilizing a relatively mobile drill unit is unlikely to produce satisfactory results and two alternative methods of exploring the No. 2 vein are suggested.

Conventional wireline diamond drilling, in part following the 1989 reverse circulation drill holes that failed to reach their intended depths, should be able to drill across the open or rubble-filled stopes of the Second Relief mine and reach the No. 2 vein. Obviously only nearly new drill bits should be used because it will be neither reasonable nor practical to withdraw worn drill tools from the stope portion in the expectation that the footwall portion can be re-entered.

Until a great amount of information is known about the distribution of gold in a deposit, core samples are generally unsatisfactory for determining with any degree of precision the amount of gold present. They may serve to affirm or deny in general terms the presence of gold and thus encourage or forestall further exploration. Better data are obtained from mine headings where larger samples can be obtained and more detailed sampling patterns can be established. For these and other reasons, it may be desirable to re-enter the old mine workings of the Second Relief mine by way of the former main haulage level. After rehabilitation it should be possible to re-locate one or more of the crosscuts that passed from the Second Relief mine into the No. 2 vein in the footwall and then determine if a program of drifting is warranted. Also it should then be possible to de-water the shaft and gain access to deeper portions of the old mine from which it may be practical to drill several holes into the No. 2 vein.

Timbering and other rehabilitation of the caved portion of the former main haulage level (No. 5 Level) of the Second Relief mine may be only moderately costly and likely could be facilitated by using either a small scooptram (sized to negotiate what was originally a tracked crosscut) or conventional tracked methods. Higher costs relative to drilling from surface would be balanced by advantages mentioned in the previous paragraph.

The cost of a program of surface drilling is likely to be about \$100,000. Mine rehabilitation followed by sampling, and possibly by drifting, drilling, and dewatering operations, is recommended and will require a budget of about \$250,000.

Respectfully submitted,

Erik A. Ostensoe,
geologist.

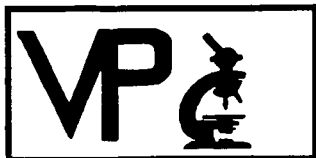
APPENDIX I.

PETROGRAPHIC REPORTS

J. F. HARRIS, PhD.,
Vancouver Petrographics Ltd.

August 25, 1989.

To Accompany: Report of Work, Second Relief Project,
Hawkeye Developments Ltd., 1989.



Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
FORT LANGLEY, B.C.
VOX 1J0
PHONE (804) 888-1323
FAX. (804) 888-3642

Report for: Joe Whipple,
Hawkeye Developments Ltd.,
550-1040 West Georgia Street,
Vancouver, B.C.
V6E 4H1

Invoice 8355

August 25th, 1989

Samples:

7 rock samples, numbered 1 through 7, submitted by Joe Montgomery for sectioning and petrographic examination. The samples were prepared as conventional thin sections, except for #3, which contains substantial sulfides and was prepared as a polished thin section.

Summary:

The rocks of this suite are of debatable origin. Several show high contents of epidote and, in one case, pyroxene and garnet, suggesting probable skarnic affinities. Others contain fine-grained biotite and may be hornfelsic. They typically appear microgranularly recrystallized and lack strong foliation - suggesting that they are products of dominantly thermal rather than regional/dynamic metamorphism.

Many of these rocks exhibit patchy cryptofragmental textures and probable relict bedding, and are either feldspathic or siliceous in composition. They are thought to have been formed by thermal metamorphism and/or skarnic metasomatism from a sequence of felsic tuffs or coarse wackes, and quartzites or cherts - possibly of somewhat calcareous composition.

Sample 5 is distinct from the rest of the suite in that it is a rather fine-grained trachyandesite porphyry, of normal (non-recrystallized) aspect.


Samples 1, 3, 4, 6 and 7 are all tentatively classified as hornfelsed and/or skarnified meta tuffs or sediments.

Samples 1 and 7 are composed of potassic felsite, with clumps and streaks of epidote and intergrown sericite. They both have skarnic bands or veniform segregations of coarser quartz-epidote.

Samples 3 and 4 are fine-grained, quartzose or felsitic rocks of non-potassic composition. They contain biotite as clumpy segregations and dispersed flecks. The first includes a band or veinlet of quartz and pyrrhotite with traces of Au.

Samples 2 and 6 are of siliceous composition. The first consists of essentially monomineralic, recrystallized quartz, with a skarnic band of pyroxene and garnet. The second is a finer-grained quartz mosaic, abundantly permeated by epidote; it appears interbedded with a potassic felsite, and may be a thermally recrystallized calcareous siltstone or chert.

Individual petrographic descriptions are attached.

A handwritten signature in cursive script, appearing to read 'J.F. Harris', is centered on the page.

J.F. Harris Ph.D.

(929-5867)

SAMPLE 1

SKARNIC META-TUFF

Estimated mode

Quartz	27
K-feldspar	14
Epidote	50
Biotite	2
Sericite	3
Carbonate	2
Amphibole	2
Sphene	trace
Apatite	trace

This sample is a fine-grained, weakly foliated, streaky/clumpy rock of partially potassic composition (note yellow cobaltinitrite stain on cut-off block). The slide includes a concordant, coarser-grained, K-free zone, 6 - 7mm in thickness.

The foliated portion of the slide consists essentially of a heterogenous intergrowth of quartz, K-feldspar and epidote, of grain size 0.02 - 0.2mm.

The epidote is mostly strongly segregated, as sub-parallel lenses, clumps and semi-continuous strings of grains. It typically contains sericite - in the form of stubby flakes of similar size to the epidote - as an intergrown accessory.

The epidote/sericite strings and augen are separated by a fine mosaic intergrowth of quartz and K-feldspar. The latter mineral tends to segregate as thin wisps of minutely fine-grained material sinuously outlining the epidote segregations. Some clumpy segregation of coarser quartz is also seen.

Biotite is the other principal accessory. This occurs as tiny, randomly-oriented, ragged flakes, 0.02 - 0.1mm in size, often clumped. It is mainly closely associated with the epidote lenses, but is sometimes also seen as disseminated flecks and elongate clusters within the quartz/K-spar component. It is a strongly pleochroic, Fe-rich variety. Traces of sphene are sometimes associated.

Apatite, as randomly disseminated, euhedral individuals, is a relatively abundant minor accessory.

The coarse, K-free band is composed of a mosaic aggregate of epidote and quartz, of grain size 0.2 - 2.0mm or more, with intergrown accessory carbonate.

The margins of this zone include some ragged porphyroblastic/skeletal grains of brown amphibole, patchily altered to a dark brown opaque material (limonite?). Similar dark brown

Sample 1 cont.

flecks (presumably also representing altered amphiboles) are seen throughout the rock, closely associated with the accessory biotite.

This rock is probably a metamorphically recrystallized tuff. The abundance of epidote suggests metacalcareous or skarnic affinities.

SAMPLE 2

QUARTZOSE SKARN

Estimated mode

Quartz	70
Pyroxene	12
Garnet	15
Amphibole	trace
Carbonate	1
Apatite	trace
Magnetite	2

This is a crudely-banded rock composed predominantly of quartz, in the form of a varigranular, crenulate-margined mosaic, of grain size 0.05 - 1.0mm. Occasional much coarser grains, to 2 or 3mm, are also seen. The quartz shows strong, shadowy, strain polarization throughout - indicative of recrystallization under stress.

A central zone, 5 - 10mm thick, is demarked by a strong concentration of brown garnet and pale green pyroxene. The garnet forms irregular poikiloblastic masses, sieved with fine-grained quartz, and the pyroxene forms clusters of irregular granules and aggregated, equant, subhedral grains, 0.05 - 2.0mm in size.

Magnetite forms an intergranular network in the pyroxene aggregate, and irregular inclusions in the garnet. Traces of carbonate are intergrown with the quartz matrix in the vicinity of the garnet-pyroxene band.

Generally the garnet and pyroxene are well segregated, but there is some intergrowth. The pyroxene in intimate contact with the garnet is often partially altered to carbonate.

Small pockets and wisps of pyroxene, with minor associated garnet, occur as oblique off-shoots from the main band, and as scattered, disseminated clumps.

A wispy band at one end of the slide is made up of clusters of tiny granules of carbonate and magnetite in the quartz matrix.

This sample has the aspect of a siliceous skarn - possibly derived by thermal recrystallization from a quartzite or chert with calcareous intercalations.

SAMPLE 3

META-TUFF/HORNFELS(?)

Estimated mode

Quartz	45
Sericite	25
Biotite	15
Chlorite	trace
Apatite	trace
Tourmaline	trace
Rutile	trace
Pyrrhotite	15
Pyrite	trace
Chalcopyrite	trace
Bi telluride(?)	trace
Gold	trace

As can be seen from the cut-off block, this is a fine-grained, non-foliated rock, showing irregular, patchy, darker areas of distinctive mineralogy. The slide includes a band or veniform segregation of pyrrhotite, and is cut by a network of hairline microfractures also containing pyrrhotite.

The matrix is a microgranular aggregate of quartz, of grain size 10 - 100 microns. It is a polygonal mosaic of recrystallized aspect.

Abundant accessory sericite occurs as an intergranular meshwork of tiny flakes throughout the quartz. Locally the sericite shows preferred orientation and, emphasized by wisps of sub-opaque rutile, defines a weak, irregular foliation - sometimes reflecting crenulate microdeformation.

In the patchy darker areas the place of the sericite is taken by biotite, typically randomly-oriented and locally quite strongly concentrated as felted aggregates.

Apatite, as sparsely disseminated, individual, tiny euhedra, is a trace accessory, occurring in both the sericitic and biotitic areas.

The fabric of the rock suggests that it is possibly a form of hornfels. The biotite patches may reflect a relict fragmental structure.

The main sulfide band is composed of pyrrhotite, intergrown with coarser, mica-free, granular quartz, of grain size 0.1 - 1.0mm. The quartz forms ramifying, irregular veinlike zones, and also occurs as a selvage to the more massive part of the pyrrhotite segregation. The pyrrhotite forms coarsely granular, well-polished clumps and masses, with occasional intergrown pyrite grains and tiny marginal pockets of chalcopyrite.

Sample 3 cont.

Rare traces of Au and Bi minerals were seen. Probable Bi telluride occurs as discrete blebs within pyrrhotite. Native Au was seen as grains 5 - 15 microns in size, associated with probable bismuthinite in a threadlike veinlet of chalcopyrite in pyrite, and in quartz peripheral to pyrrhotite.

Pyrrhotite, with minor chalcopyrite, also occurs as clusters in small pockets of coarsened crystallization in the quartz/sericite and quartz/biotite matrix, and with granular quartz which forms a bi-directional network of hairline veinlets.

Rare traces of tourmaline are associated with sulfides in the latter context.

SAMPLE 4

META-TUFF/HORNFELS

Estimated mode

Quartz	18
Plagioclase	45
K-feldspar	3
Biotite	25
Sericite	6
Chlorite	trace
Sphene)	1
Rutile)	
Apatite	trace
Opauques	2

The cut-off block of this sample shows a distinctive cryptofragmental texture of etched (and weakly potassic) patches, defined by a network of darker, unetched material. There are also a few sub-concordant zones resembling very fine-grained sedimentary intercalations.

In thin section the rock is found to consist essentially of a microgranular, recrystallized aggregate of felsite, of grain size 20 - 70 microns, with more or less abundant, intergrown, tiny flakes of biotite and minor sericite.

Patches and irregular streaks of segregated quartz (slightly coarser than the predominant biotitic felsite) and concentrations of coarser biotite, constitute the darker, unetched material as seen in the cut-off block.

Minutely granular sphene is sometimes associated with the biotite concentrations. Apatite forms scattered euhedra, to 100 - 200 microns in size.

Fine-grained disseminated opaques (magnetite, and possibly some pyrrhotite), as granules and equant euhedra, 10 - 100 microns in size, form random clusters - without any particular relation to the patchy variations in the host.

The biotite and sericite show a weak preferred orientation (with many local irregularities) throughout the rock. The fine-grained concordant streaks, seen in the cut-off block, are composed of the same microgranular felsite mosaic as the rest of the rock, but are much more homogenous. They include notably well-oriented biotite and sericite flecks and are devoid of the patchy grain size and mineralogical segregations seen elsewhere.

This rock is probably a hornfelsed and/or weakly regionally metamorphosed tuff.

SAMPLE 5

TRACHYANDESITE PORPHYRY

Estimated mode

Quartz	5
Plagioclase	60
K-feldspar	7
Sericite	trace
Biotite	20
Hornblende	3
Epidote	2
Sphene	3
Carbonate	trace
Apatite	trace
Opaques	trace

This sample is an igneous rock, showing a well-defined, porphyritic texture. It could be a coarse-grained flow, or a minor intrusive.

Phenocrysts make up 60% or more of the rock. They consist predominantly of euhedral-subhedral plagioclase, 0.3 - 3.0mm in size. There is also a minor proportion of prominent, rounded to amoeboid phenocrysts of quartz.

Phenocrysts of hornblende were originally a major component. These are now largely converted to prismatic pseudomorphs and more or less diffuse clusters composed of fine-grained biotite, with intergrown granules of sphene and epidote. A few partial remnants of amphibole survive as cores to these pseudomorphs.

The plagioclase phenocrysts are fresh but for an occasional light flecking by carbonate or sericite.

The groundmass is a notably equigranular, minutely fine-grained, mosaic-textured aggregate of fresh plagioclase, of grain size 5 - 30 microns. Accessory groundmass constituents are biotite, hornblende and sphene; these often concentrate as sub-oriented wisps, tending to outline the plagioclase phenocrysts.

The cut-off block shows a marked concentration of positive cobaltinitrite stain marginal to many of the plagioclase phenocrysts. This feature is recognizable, in thin section, as segregations of microgranular K-feldspar - slightly coarser than the general groundmass grain size. These are seemingly products of early groundmass crystallization centred on pre-existing phenocrysts. A few pockety segregations of similar microgranular K-spar are also seen independent of the phenocrysts.

SAMPLE 6

EPIDOTE SKARN

Estimated mode

Quartz	28
Epidote	62
Amphibole	3
Chlorite	1
Carbonate	3
Sphene	trace
Apatite	trace
Garnet	1
K-feldspar	2
Biotite	trace

This is another heterogenous, streaky-textured rock of skarnic aspect. It is composed essentially of quartz and epidote.

The quartz forms a rather equigranular, polygonal to interlocking mosaic, of grain size 0.05 - 0.2mm.

Epidote is a major constituent, permeating the quartz as interconnected clumps, streaks and intergranular networks. It shows a general grain size similar to that of the quartz, but locally shows poikiloblastic habit, as coarse, optically continuous patches sieved with quartz.

The compact aggregates of epidote contain scattered, partially replaced grains of intergrown green hornblende, and pockets and streaks of fibrous chlorite. Minutely granular sphene is a random trace accessory.

In one area, the epidote shows intimate intergrowth with fragmentary /porphyroblastic garnet.

Carbonate is a minor accessory, sporadically intergrown with the patches of quartz mosaic, or as individual grains or small clumps within epidote.

One end of the slide incorporates a portion of a band(?) of fine-grained felsitic K-spar with accessory flecks of biotite.

This is a totally recrystallized rock of indeterminate ancestry. Its mineralogy is consistent with the skarnified tuff/sediment environment indicated for the rest of the suite.

SAMPLE 7

HORNFELS(?) WITH SKARNIC VEINLETS

Estimated mode

Quartz	14
K-feldspar	34
Sericite	21
Epidote	26
Biotite	2
Amphibole)	1
Chlorite)	
Tourmaline	trace
Carbonate	trace
Garnet	trace
Apatite	trace
Sphene	1
Opaques	1

About 75% of this slide consists of a cryptofragmental intergrowth of small patches of unetched material in a fine-grained matrix rich in K-feldspar (see cut-off block). This shows some similarities to Samples 1 and 4. One end of the slide incorporates part of a veniform segregation of unetched, non-potassic material - discordant to the crude foliation recognizable in the potassic area.

The latter consists of a minutely microgranular aggregate of K-feldspar, of grain size 5 - 20 microns, with minor intergrown biotite and sericite and scattered, somewhat coarser, individual grains and small clumps of quartz.

Randomly oriented flakes of sericite, up to 0.2mm in size, and similar sized anhedral grains of epidote, form intergrown clumps and streaks throughout the felsitic matrix. These are the abundant fragment-like, unetched areas visible in the cut-off block. They show a general parallelism of elongation which defines a weak foliation.

This lithotype has the aspect of a thermally recrystallized tuff or coarse clastic. Apatite, sphene and tourmaline are trace accessories. The rock also contains relatively abundant opaques, as random disseminations of tiny grains 10 - 150 microns in size. These appear to be mainly pyrrhotite - partially oxidized.

The veniform zone is coarser grained and free of K-feldspar. It is composed predominantly of a mosaic of quartz, of grain size 0.05 - 0.15mm, strongly permeated by clumps and networks of epidote. It thus resembles the material of Sample 6.

A selvedge to the zone includes concentrations of coarse epidote with sphene and green amphibole, and incipient/fragmental development of garnet with intergrown carbonate.

Sample 7 cont.

This rock appears to be a recrystallized tuff or impure calcareous arkosic wacke, permeated by irregular skarnic veinlets.

APPENDIX II.

- (a) Assay Certificates - Rock Chip Samples and Diamond Drill Core Samples
- (b) Geochemical Certificates - Drill Core Specimens
- (c) Soil Samples - Geochemical Reports
- (d) Reverse Circulation Drill Hole Samples R.C.-89-1 to R.C.-89-12

To Accompany: Report of Work, Second Relief Project,
Hawkeye Developments Ltd., 1989

(a) Assay Certificates - Rock Chip Samples and
Diamond Drill Core Samples

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments Ltd.
550 - 1040 West Georgia St.,
Vancouver, B.C.

Number: K 9546

Date: June 19, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	CuS percent	W percent
1	30815	.158	1.66		
2	30816	.051	3.79		<.01
3	30817	<.001	<.01		
4	30818	.006	.06		
5	30819	.006	.08		
6	30820	<.001	<.01		
7	30821	<.001	<.01		
8	30822	<.001	<.01	.129	
9	30823	.002	<.01		
10	41678	* 1.24	.23		
11	41679	.021	.14		
12	41680	<.001	<.01		
13	41681	.006	<.01		
14	41682	.225	.61		
15	41683	.009	.03		
16	41684	.001	<.01		
17	41685	<.001	<.01		
18	41686	.003	1.55		
19	42462	6.97	1.11		
20	42463	* 2.76	.32		
21	42464	.002	<.01		
22	42465	.30	.14		
23	42466	<.001	<.01		
24	42467	.114	.09		
25	42468	.86	.20		
26	42469	.061	.03		
27	42470	.38	<.01		
28	42471	.041	.49		
29	42472	* .068	.20		
30	42473	.069	.11		
31	42474	.002	.05		
32	42475	.127	.50		

* Sample has been screened and found to contain coarse gold. See Page 2.

Deek A. Blundell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments Ltd.
550 - 1040 West Georgia St.,
Vancouver, B.C.

Number: K 9546

Date: June 19, 1989

Proj.:

Attn:

No.	Description	Percent Weight	Au ozs/ton	Combined Au ozs/ton
10	41678 -100 mesh	99.71	1.23	1.24
	+100 mesh	.29	4.11	
20	42463 -100 mesh	99.93	2.48	2.76
	+100 mesh	.07	384.	
29	42472 -100 mesh	99.81	.061	.068
	+100 mesh	.19	3.84	

Deak A. Blundell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

** ASSAY CERTIFICATE **



To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9573

Date: June 29, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton
1	41687	.005	<.01
2	41688	.005	.14
3	41689	2.32	.50
4	41690	.013	<.01
5	41691	.032	.08
6	41692	.040	.03
7	41693	.025	.06
8	41694	.001	<.01
9	41695	.002	<.01
10	41696	<.001	<.01
11	41697	<.001	<.01

* Sample has been screened and found to contain coarse gold. See below

	Percent Weight	Au ozs/ton	Combined Au ozs/ton
4 41690 -100 mesh	99.96	.008	.013
+100 mesh	.04	12.5	

Charles A. Stewart

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9587

Date: July 5, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent	Zn percent
1	65501	.026	.03	.10	
2	65502	.347	.05	.16	
3	65503	.123	.08	.15	
4	65504	.250	.06	.14	
5	65505	.063	.01	.06	
6	65506	.002	<.01	.06	
7	65507	.006	<.01		
8	65508	.001	<.01		
9	65509	.437	.02	.10	
10	65510	.008	<.01		
11	65511	.107	<.01	.08	
12	65512	.081	.05	.17	
13	65513	.174	.01	.10	.02
14	65514	.359	.08	.09	
15	65515	.081	.05	.15	
16	65516	.101	.02	.10	

* Sample has been screened and found to contain coarse gold. See below.

		Percent Weight	Au ozs/ton	Combined Au ozs/ton
9	66509 -100 mesh	99.94	.425	.437
	+100 mesh	.04	21.5	

Clark J. [Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

ASSAY CERTIFICATE



To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6H 4H1

Number: K 9591

Date: July 7, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent	Pb percent	Zn percent
1	65517	.090	<.01			
2	65518	.124	<.01			
3	65519	* .209	<.01	.05	<.01	.30
4	65520	.010	<.01			
5	65521	<.001	<.01			
6	65522	.096	<.01			
7	65523	* .217	<.01			
8	65524	.146	<.01			
9	65525	* .241	<.01			
10	65601	* .482	<.01	.03	<.01	.09
11	65602	.005	<.01			

* Sample has been screened and found to contain coarse gold. See below.

			Percent Weight	Au ozs/ton	Combined Au ozs/ton
3	65519	-100 mesh	99.95	.206	.209
		-100 mesh	.05	5.16	
7	65523	-100 mesh	99.91	.213	.217
		-100 mesh	.09	5.10	
9	65525	-100 mesh	98.41	.236	.241
		-100 mesh	1.59	.540	
10	65601	-100 mesh	99.92	.466	.482
		-100 mesh	.07	24.6	

David A. Small
B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments
500-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9602

Date: July 19, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent
1	41698	<.001	<.01	
2	41699	<.001	<.01	
3	41700	<.001	<.01	
4	59005	<.001	<.01	
5	59006	.108	.38	.47
6	59007	<.001	<.01	
7	59008	<.001	<.01	
8	59009	<.001	<.01	
9	59010	<.001	<.01	
10	59011	<.001	<.01	
11	59012	.003	<.01	
12	59013	.005	<.01	
13	59014	.013	<.01	
14	59015	<.001	<.01	
15	59016	<.001	<.01	
16	59017	<.001	<.01	
17	59018	* .68	<.01	

* Sample has been screened and found to contain coarse gold. See below.

		Percent Weight	Au ozs/ton	Combined Au ozs/ton
17	59018 -100 mesh	99.98	.588	.68
	+100 mesh	.02	455.7	

Derek A. Blundell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments Ltd.
500-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9624

Date: July 26, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton
1	59019	.002	<.01
2	59020	.027	<.01
3	59021	.012	<.01
4	59022	.021	<.01
5	59023	.003	<.01
6	59024	.015	<.01
7	59025	.105	<.01
8	65003	.002	<.01
9	65004	.004	<.01
10	65005	.001	<.01
11	65006	.305	.11
12	65007	.005	<.01
13	65008	.052	<.01
14	65009	.004	<.01
15	65010	.162	.08
16	65011	.025	<.01

Charles D. Blum

B.C. Certified Assayer

107 samples

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments Ltd.
500-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9636

Date: August 1, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton
1	41729	<.001	<.01
2	41730	.006	<.01
3	41731	* 1.02	.76
4	41732	.056	.08
5	41733	.003	<.01
6	41734	.095	.05
7	41735	.021	.03
8	41736	.004	<.01
9	41737	.132	.08
10	41738	.002	<.01
11	41739	.001	<.01
12	41740	.062	.06
13	41741	.015	<.01
14	41742	.061	.03
15	41743	* .218	.03
16	41744	.016	<.01
17	41745	.021	<.01
18	41746	.146	.05
19	41747	.001	<.01
20	41748	.004	<.01
21	41749	* .65	.20
22	41750	<.001	.08
23	45705	.119	<.01
24	45706	.013	<.01
25	45707	.004	<.01
26	45708	* .452	.21
27	45709	.002	<.01
28	45710	* .004	<.01
29	45711	.043	<.01
30	45712	.001	<.01
31	45713	.001	<.01
32	45714	.119	.11

Deak A. Bennett

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments Ltd.
500-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9636

Date: August 1, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent	Zn percent
33	45715	.001	<.01		
34	45716	<.001	<.01		
35	45717	.060	<.01		
36	45718	.001	<.01		
37	45719	.032	.05		
38	45720	.006	<.01		
39	45721	.008	<.01		
40	45722	.035	<.01		
41	45723	.004	<.01		
42	45724	.235	.23		
43	45725	.125	.03		
44	65526	.003	<.01		
45	65527	.051	<.01		
46	65528	.037	<.01		
47	65529	.024	.06		
48	65530	* .63	.35	.24	
49	65531	.003	<.01		
50	65532	.002	<.01		
51	65533	.008	<.01		
52	65534	.101	.08		
53	65535	.002	<.01		
54	65536	.073	<.01		
55	65537	.48	.29	.36	
56	65538	.047	.08		
57	65539	.030	.17	.34	.04
58	65540	.226	.29		
59	65541	.003	<.01		
60	65542	.005	<.01		
61	65543	.346	.26	.37	.20
62	65544	.002	<.01		
63	65545	.003	<.01		
64	65546	.256	.35	.62	.01

[Handwritten Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments Ltd.
500-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9636

Date: August 1, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent	Zn percent
65	65547	.001	<.01		
66	65548	.001	<.01		
67	65549	.64	.29	.41	.12
68	65550	.005	<.01		
69	65612	.022	<.01		
70	65613	.002	<.01		
71	65614	.015	<.01		
72	65615	.002	<.01		
73	65616	.039	<.01		
74	65617	.002	<.01		
75	65618	.001	<.01		
76	65619	.020	<.01		
77	65620	.001	<.01		
78	65621	<.001	<.01		
79	65622	.090	<.01		
80	65623	.001	<.01		
81	65624	2.78	1.98		
82	65625	.007	<.01		
83	65726	.009	<.01		
84	65727	.021	<.01		
85	65728	.38	.29		
86	65729	* .012	<.01		
87	65730	.181	<.01		
88	65731	.142	<.01		
89	65732	.006	<.01		
90	65733	.020	<.01		
91	65734	.042	<.01	.06	
92	65735	.156	<.01	.08	
93	65736	.056	<.01		
94	65737	<.001	<.01		
95	65738	.004	<.01		
96	65739	.018	<.01		

[Handwritten Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** ASSAY CERTIFICATE ****

To: Hawkeye Developments Ltd.
500-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9636

Date: August 1, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent
97	65740	.022	<.01	
98	65741	<.001	<.01	
99	65742	<.001	<.01	
100	65743	.001	<.01	.05
101	65744	.028	.03	.13
102	65745	.040	<.01	
103	65746	.003	<.01	
104	65747	<.001	<.01	
105	65748	.103	<.01	.09
106	65749	.055	.03	.07
107	65750	.084	<.01	.04

* Sample has been screened and found to contain coarse gold. See below.

		Percent Weight	Au ozs/ton	Combined Au ozs/ton
3	41731 -100 mesh	99.60	1.00	1.02
	+100 mesh	.40	5.53	
15	41743 -100 mesh	99.39	.215	.28
	+100 mesh	.61	.68	
21	41749 -100 mesh	99.73	.52	.65
	+100 mesh	.27	49.4	
26	45708 -100 mesh	99.99	.44	.452
	+100 mesh	.01	96.3	
28	45710 -100 mesh	99.98	.002	.004
	+100 mesh	.02	14.58	
48	65530 -100 mesh	99.54	.62	.63
	+100 mesh	.46	2.78	
86	65729 -100 mesh	99.15	.009	.012
	+100 mesh	.85	.34	

[Handwritten Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To:
Hawkeye Developments
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9646
Date: August 9, 1989
Proj.:

Attn:

No.	Description	Au		Ag		Cu		Zn	
		ozs/ton	ozs/ton	ozs/ton	ozs/ton	percent	percent	percent	percent
1	1000	* .526	<.01			.08		.20	
2	1001	.035	<.01						
3	1002	.002	<.01						
4	1003	* .009	<.01						
5	1004	.059	<.01						
6	1005	.001	<.01						
7	1006	.019	<.01						
8	1007	.040	<.01						
9	1008	.004	<.01						
10	1009	.089	<.01						
11	1010	.017	<.01						
12	1011	.005	<.01						
13	1012	.006	<.01						
14	1013	.041	<.01						
15	1014	.418	.14						
16	1015	<.001	<.01						
17	1016	.017	<.01						
18	1017	.019	<.01						
19	1018	.027	<.01						
20	1019	.190	<.01						
21	1020	.049	<.01						
22	1021	.033	.05						
23	1022	* .105	.03						
24	1023	* .406	.06						
25	1024	.051	<.01						
26	1025	.152	.03						
27	1026	.109	.06						
28	1027	.017	.06						
29	1028	* .291	<.01			.12		1.86	
30	1029	.123	<.01			.12		.60	
31	1030	.072	<.01			.04		.36	
32	1031	.099	<.01			.08		4.88	

Frank A. B. [Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To:
Hawkeye Developments
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9646
Date: August 9, 1989
Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent	Zn percent
33	1032	.087	<.01	.07	1.06
34	1033	.035	<.01	.01	.23
35	1034	.062	<.01	.07	1.24
36	1035	.044	<.01	.01	.09
37	1036	.028	<.01		
38	1037	.130	.03		
39	1038	.103	.11	.19	13.6
40	1039	.019	<.01	<.01	.08
41	1040	.011	<.01	.06	.69
42	1041	.007	<.01	.01	.07
43	1042	.085	.17	.02	.02
44	65551	.010	<.01		
45	65552	<.001	<.01		
46	65553	.001	<.01		
47	65554	<.001	<.01		
48	65555	* .064	<.01		
49	65556	.041	.05	.08	<.01
50	65557	.001	<.01		
51	65558	.114	<.01		
52	65559	* .110	<.01		
53	65560	.090	<.01	.07	.31
54	65561	.008	<.01		
55	65562	.085	<.01		
56	65563	.230	<.01		
57	65564	* .144	<.01		
58	65565	.010	<.01		
59	65566	.010	<.01		
60	65567	.044	<.01	.03	.01
61	65568	.003	<.01		
62	65569	.002	<.01		
63	65570	.151	<.01		
64	65571	.001	<.01		

Cliff B. [Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To:
Hawkeye Developments
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9646
Date: August 9, 1989
Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent	Zn percent
65	65572	.038	<.01		
66	65573	.121	.06		
67	65574	.006	<.01		
68	65575	.101	.01		
69	65576	.006	<.01		
70	65577	.003	<.01		
71	65578	.019	<.01		
72	65579	.009	.05		
73	65580	.258	.11		
74	65581	.225	.08		
75	65582	.004	<.01		
76	65583	.077	.11		
77	65584	.015	<.01		
78	65585	.175	.06		
79	65586	.025	<.01		
80	65587	.004	<.01		
81	65588	* .142	<.01		
82	65589	.004	<.01		
83	65590	.004	<.01		
84	65591	.109	<.01		
85	65592	.046	<.01		
86	65593	2.10	.85		
87	65594	.52	.20		
88	65595	.061	<.01		
89	65596	.050	<.01		
90	65597	<.001	<.01		
91	65598	.035	<.01		
92	65599	.001	<.01		
93	65600	.113	<.01		

* Sample has been screened and found to contain coarse gold. See below.

[Handwritten Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** ASSAY CERTIFICATE ****

To:
Hawkeye Developments
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9646
Date: August 9, 1989
Proj.:

Attn:

No.	Description	Percent	Au	Combined Au
		Weight	ozs/ton	ozs/ton
1	1000 -100 mesh	99.99	.520	.526
	+100 mesh	.01	110.8	
4	1003 -100 mesh	99.80	.003	.009
	+100 mesh	.20	3.05	
23	1022 -100 mesh	99.89	.095	.105
	+100 mesh	.11	9.54	
24	1023 -100 mesh	99.93	.395	.406
	+100 mesh	.07	15.17	
29	1028 -100 mesh	99.91	.265	.291
	+100 mesh	.09	30.55	
48	65555 -100 mesh	99.99	.059	.064
	+100 mesh	.01	39.38	
52	65559 -100 mesh	99.04	.103	.110
	+100 mesh	.96	.824	
57	65564 -100 mesh	99.83	.141	.144
	+100 mesh	.17	2.12	
81	65588 -100 mesh	99.90	.137	.142
	+100 mesh	.10	4.82	

[Handwritten Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



*Road vein
1/2 of water shaft*

To: Hawkeye Developments
550-1040 west Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9655

Date: August 21, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton
1	67501	<.001	<.01
2	67502	.010	<.01
3	67503	.045	<.01
4	67504	.005	<.01
5	67505	.027	<.01
6	67506	.051	<.01
7	67507	* .110	<.01
8	67508	<.001	<.01
9	67509	.152	.05
10	67510	1.10	.17
11	67511	.357	.03
12	67512	<.001	<.01
13	67513	* .305	.23
14	67514	.002	<.01

* Sample has been screened and found to contain coarse gold. See below.

	Percent Weight	Au ozs/ton	Combined Au ozs/ton
7 67507 -100 mesh	99.96	.107	.110
+100 mesh	.04	7.0	
13 67513 -100 mesh	99.99	.256	.305
+100 mesh	.01	1167.	

Deak A. Stoddell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (804) 372-2784 FAX 372-1112



**** ASSAY CERTIFICATE ****

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9702

Date: August 24, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton
1	1042	<.001	<.01
2	67517	<.001	<.01
3	67518	<.001	<.01
4	67519	<.001	<.01
5	67520	<.001	<.01

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9720

Date: Sept. 5, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton
1	45752	<.001	<.01
2	45753	<.001	<.01
3	45754	.081	2.68
4	45755	<.001	<.01
5	45756	<.001	<.01
6	45757	<.001	<.01
7	45758	<.001	<.01
8	45759	<.001	<.01
9	45760	<.001	<.01
10	45761	<.001	<.01
11	45762	<.001	<.01
12	45763	<.001	<.01
13	45764	<.001	<.01
14	45765	<.001	<.01
15	45766	<.001	<.01
16	45767	<.001	<.01
17	45768	<.001	<.01
18	45769	.094	.58
19	45770	.115	.58
20	67522	.003	<.01
21	67523	.002	<.01

Deek A. Scudell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9735

Date: Sept. 14, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton
1	45771	.070
2	45772	.015
3	45773	.017
4	45774	.040
5	45775	.003
6	65651	* .40
7	65652	.158
8	65653	.015
9	65654	.50
10	65655	* .56
11	65656	.124
12	65657	.067
13	65658	.073
14	65659	.009
15	65660	.014
16	65661	.061
17	65662	.169
18	65663	.097
19	65664	* .029
20	65665	.102
21	65666	.163
22	65667	.071
23	65668	.035
24	65669	.025
25	65670	.243
26	65671	.010
27	65672	.45
28	65673	.066
29	65674	.092
30	65675	.149
31	65676	.112
32	65677	.062

Jack A. Blundell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** ASSAY CERTIFICATE ****



To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9735

Date: Sept. 14, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton
33	65678	.092
34	65679	.258
35	65680	.38
36	65681	.84
37	65682	.70
38	65683	.82
39	65684	.110
40	65685	.019

* Sample has been screened and found to contain coarse gold. See below.

		Percent Weight	Au ozs/ton	Combined Au ozs/ton
6	65651 -100 mesh	99.99	.396	.401
	+100 mesh	.01	36.9	
10	65655 -100 mesh	99.99	.555	.560
	+100 mesh	.01	119.6	
19	65664 -100 mesh	99.94	.027	.029
	+100 mesh	.06	4.01	

Deek A. Sandell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9775

Date: Sept. 21, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent
1	65686	<.001		
2	65687	.020		
3	65688	.010		
4	65689	.015		
<i>DH 89-1</i>				
5	65690	<.001		
6	65691	<.001		
7	65692	<.001		
8	65693	<.001		
<i>DH 89-2</i>				
9	65694	<.001		
10	65695	<.001		
11	65696	<.001		
12	65697	<.001		
13	65698	<.001		
14	65699	<.001		
15	65700	.115		
16	67526	.005		
<i>DH 89-3</i>				
17	67527	.440		
18	67528	.030		
19	67529	.027		
20	67530	.063	<.01	
21	67531	.002	.08	
22	67532	<.001		
23	67533	<.001		
24	67534	.143	<.01	.27
25	67535	.002		
26	67536	.135	.06	.32
27	67537	.021		
28	67538	.001		
<i>DH 89-4</i>				
29	67539	.005		
30	67540	<.001		
31	67541	.349	1.92	.28
32	67542	.090		

Jack A. Blundell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9782

Date: Sept. 22, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent
1	67543	<.001		
2	67544	<.001		
3	67545	.114		
4	67546	.001	<.01	.13
5	67547	<.001		
6	67548	<.001		
7	67549	.026	<.01	.17
8	67550	<.001		
9	67551	<.001		
10	67552	.005		
11	67553	<.001		
12	67554	<.001		
13	67555	<.001		
14	67556	.001		
15	67557	.002		
16	67558	<.001		
17	67559	<.001		
18	67560	<.001		
19	67561	.006		
20	67562	<.001		
21	67563	<.001		
22	67564	<.001		
23	67565	.003		
24	67566	.002		

DH 89-5

DH 89-6

DH 89-7

partial

[Signature]

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Development Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9808

Date: Oct. 5, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton	Ag ozs/ton	Cu percent	Zn percent
1	67567	<.001			
2	67568	<.001	DM 89-8		
3	67569	.003	—		
4	67570	<.001			
5	67571	<.001	DM 89-7		
6	67572	<.001			
7	67573	<.001			
8	67574	<.001	^		
9	67575	<.001			
10	67576	.002			
11	67577	<.001	DM 89-9		
12	67578	<.001			
13	67579	<.001			
14	67580	<.001			
15	67581	<.001			
16	67582	<.001			
17	67583	<.001			
18	67584	<.001			
19	67585	<.001			
20	67586	.006			
21	67587	.002			
22	67588	<.001			
23	67589	.001			
24	67590	.002			
25	67591	.235	<.01	.23	3.30
26	67592	.012	<.01	.09	<.01
27	67593	.295	<.01	.13	.31
28	67594	.023	<.01	.06	.59
29	67595	.003			
30	67596	.006			
31	67597	.001			
32	67598	.001	v		

Derek A. Blundell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9840

Date: Oct. 16, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton
1	67599	.001
2	67600	<.001
3	67601	<.001
4	67602	<.001
5	67603	.001
6	67604	<.001
7	67605	.002
8	67606	<.001
9	67607	.004
10	67608	.140
11	67609	.005
12	67610	.002
13	67611	<.001
14	67612	.004
15	67613	<.001
16	67614	<.001
17	67615	<.001
18	67616	<.001
19	67617	<.001
20	67618	<.001
21	67619	<.001
22	67620	<.001
23	67621	<.001
24	67622	<.001
25	67623	<.001
26	67624	<.001
27	67625	<.001

DH 89-10

DH 89-11

DH 89-12

DH 89-13

Deuk A. Blumfeld

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** ASSAY CERTIFICATE ****

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9850
Date: Oct. 18, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton
1	67626	<.001
2	67627	<.001
3	67628	<.001
4	67629	<.001
5	67630	<.001
6	67631	<.001
7	67632	<.001
8	67633	<.001
9	67634	<.001
10	67635	<.001
11	67636	<.001

D.H. 89-14

Jack A. Blundell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2G 5P8 PHONE (604) 372-2794 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9857

Date: Oct. 20, 1989

Proj.:

Attn:

No.	Description	Au	Ag	Cu	Pb	Zn
		ozs/ton	ozs/ton	percent	percent	percent
1	28403	<.001	<.01	<.01	1.35	1.25
2	28404	<.001	<.01	<.01	1.16	1.37
3	28405	<.001	<.01	<.01	.97	1.45
4	28406	<.001	<.01	<.01	1.08	1.91
5	28407	<.001	<.01	<.01	2.62	2.26

B.C. Certified Assayer

(b) Geochemical Certificates - Drill Core
Specimens

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** GEOCHEMICAL REPORT ****

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2208

Date: OCT 18, 1989

Proj.:

Attn:

PAGE 1 / 2

KRAL NO.	IDENTIFICATION	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM
1	89-7 44.6	3.0	0.0	4.0	10.0	98.0
2	89-7 53.4	3.0	0.0	4.0	5.0	35.0
3	89-7 89.7	3.0	0.2	49.0	7.0	54.0
4	89-8 5.7	3.0	0.1	1.0	4.0	50.0
5	89-8 17	3.0	0.0	0.0	4.0	49.0
6	89-8 24.3	3.0	0.1	64.0	6.0	59.0
7	89-8 31.7	3.0	0.0	0.0	3.0	73.0
8	89-8 34.3	3.0	0.1	0.0	14.0	45.0
9	89-8 41.9	3.0	0.0	0.0	4.0	61.0
10	89-8 54.3	3.0	0.0	2.0	18.0	46.0
11	89-8 60	3.0	0.2	5.0	6.0	66.0
12	89-8 72.6	3.0	0.1	0.0	4.0	18.0
13	89-8 73.5	3.0	0.1	31.0	9.0	58.0
14	89-8 93.2	3.0	0.2	42.0	8.0	45.0
15	89-8 108	3.0	0.1	16.0	7.0	67.0
16	89-8 128.5	3.0	0.0	1.0	6.0	74.0
17	89-9 10	3.0	0.0	0.0	3.0	36.0
18	89-9 58.8	3.0	0.0	6.0	4.0	72.0
19	89-9 69	3.0	0.1	41.0	6.0	66.0
20	89-10 21.3	3.0	0.0	5.0	3.0	65.0
21	89-10 59.5	3.0	0.1	40.0	3.0	78.0
22	89-10 76.6	3.0	0.1	28.0	7.0	53.0
23	89-11 11.9	3.0	0.5	91.0	8.0	54.0
24	89-11 27	3.0	0.1	45.0	7.0	53.0
25	89-12 6.4	3.0	0.0	6.0	3.0	63.0
26	89-12 13.8	3.0	0.0	9.0	5.0	52.0
27	89-13 17	3.0	0.1	60.0	10.0	34.0
28	89-13 22	3.0	0.1	63.0	4.0	57.0
29	89-13 28.8	3.0	0.3	355.0	6.0	56.0
30	89-14 21.2	3.0	0.2	58.0	11.0	42.0
31	89-14 28.0	3.0	0.0	48.0	10.0	28.0
32	89-14 36	3.0	0.1	40.0	14.0	27.0
33	89-14 42	3.0	0.0	43.0	10.0	16.0
34	89-14 43.6	3.0	0.1	51.0	11.0	34.0
35	89-14 50.1	3.0	0.0	48.0	8.0	32.0

IN AU COLUMN 3 INDICATES <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** QUALITY CONTROL REPORT **

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2208

Date: OCT 18, 1989

Proj.:

Attn:

PAGE 1 / 2

KRAL NO.	IDENTIFICATION	BI PPM	AS PPM	SB PPM
1	89-7 44.6	0.0	10.0	2.0
2	89-7 53.4	0.0	10.0	2.0
3	89-7 89.7	0.0	10.0	2.0
4	89-8 5.7	0.0	10.0	2.0
5	89-8 17	0.0	10.0	2.0
6	89-8 24.3	0.0	10.0	2.0
7	89-8 31.7	0.0	10.0	2.0
8	89-8 34.3	0.0	10.0	2.0
9	89-8 41.9	0.0	10.0	2.0
10	89-8 54.3	0.0	10.0	2.0
11	89-8 60	0.0	10.0	2.0
12	89-8 72.6	0.0	10.0	2.0
13	89-8 73.5	0.0	10.0	2.0
14	89-8 93.2	0.0	10.0	2.0
15	89-8 108	0.0	10.0	2.0
16	89-8 128.5	0.0	10.0	2.0
17	89-9 10	0.0	23.0	2.0
18	89-9 58.8	0.0	10.0	2.0
19	89-9 69	0.0	10.0	2.0
20	89-10 21.3	0.0	10.0	2.0
21	89-10 59.5	0.0	10.0	2.0
22	89-10 76.6	0.0	10.0	2.0
23	89-11 11.9	0.0	10.0	2.0
24	89-11 27	0.0	10.0	2.0
25	89-12 6.4	0.0	10.0	2.0
26	89-12 13.8	0.0	10.0	2.0
27	89-13 17	0.0	10.0	2.0
28	89-13 22	0.0	10.0	2.0
29	89-13 28.8	0.0	10.0	2.0
30	89-14 21.2	0.0	10.0	2.0
31	89-14 28	0.0	10.0	2.0
32	89-14 36	0.0	10.0	2.0
33	89-14 42	0.0	10.0	2.0
34	89-14 43.6	0.0	10.0	2.0
35	89-14 50.1	0.0	10.0	2.0

IN BI COLUMN 0 INDICATES <1 PPM

IN AS COLUMN 10 INDICATES <20 PPM

IN SB COLUMN 2 INDICATES <4 PPM

(c) Soil Samples - Geochemical Reports

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** GEOCHEMICAL REPORT ****

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2183

Date: AUGUST 30, 1989

Proj.:

Attn:

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU PPB	CU PPM	SB PPM	AS PPM
1	SR 1	3.0	128.0	2.0	10.0
2	SR 2	3.0	50.0	2.0	54.0
3	SR 3	3.0	49.0	2.0	88.0
4	SR 4	3.0	34.0	2.0	26.0
5	SR 5	3.0	29.0	2.0	20.0
6	SR 6	3.0	23.0	2.0	10.0
7	SR 7	3.0	21.0	2.0	10.0
8	SR 8	3.0	17.0	2.0	10.0
9	SR 9	3.0	16.0	2.0	10.0
10	SR 10	20.0	18.0	2.0	10.0
11	SR 11	3.0	9.0	2.0	10.0
12	SR 12	3.0	66.0	2.0	58.0
13	SR 13	3.0	18.0	2.0	10.0
14	SR 14	3.0	17.0	2.0	10.0
15	SR 15	3.0	15.0	2.0	10.0
16	SR 16	3.0	15.0	2.0	10.0
17	SR 17	3.0	14.0	2.0	10.0
18	SR 18	3.0	18.0	2.0	10.0
19	SR 19	3.0	16.0	2.0	10.0
20	SR 20	3.0	10.0	2.0	10.0
21	SR 21	3.0	23.0	2.0	10.0
22	SR 22	3.0	46.0	2.0	10.0
23	SR 24	3.0	9.0	2.0	10.0
24	SR 25	3.0	13.0	2.0	10.0
25	SR 26	3.0	6.0	2.0	10.0
26	SR 27	3.0	8.0	2.0	10.0
27	SR 28	3.0	8.0	2.0	10.0
28	SR 29	3.0	9.0	2.0	10.0
29	SR 30	3.0	14.0	2.0	10.0
30	SR 31	3.0	12.0	2.0	10.0
31	SR 32	3.0	17.0	2.0	10.0
32	SR 33	3.0	19.0	2.0	10.0
33	SR 34	3.0	10.0	2.0	10.0
34	SR 35	3.0	17.0	2.0	10.0
35	SR 36	3.0	18.0	2.0	10.0
36	SR 37	3.0	18.0	2.0	10.0
37	SR 38	3.0	15.0	2.0	10.0
38	SR 39	3.0	14.0	2.0	10.0
39	SR 40	3.0	13.0	2.0	10.0
40	SR 41	3.0	26.0	2.0	10.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

*** GEOCHEMICAL REPORT ***



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2183

Date: AUGUST 30, 1989

Proj.:

Attn:

PAGE 2 / 3

KRAL NO.	IDENTIFICATION	AU PPM	CU PPM	SB PPM	AS PPM
41	SR 42	3.0	73.0	2.0	10.0
42	SR 43	3.0	29.0	2.0	10.0
43	SR 44	3.0	26.0	2.0	10.0
44	SR 45	3.0	22.0	2.0	10.0
45	SR 46	3.0	17.0	2.0	10.0
46	SR 47	3.0	15.0	2.0	20.0
47	SR 48	3.0	15.0	2.0	10.0
48	SR 49	3.0	18.0	2.0	10.0
49	SR 50	3.0	17.0	2.0	10.0
50	SR 51	25.0	11.0	2.0	10.0
51	SR 52	3.0	32.0	2.0	10.0
52	SR 53	3.0	35.0	2.0	28.0
53	SR 54	3.0	26.0	2.0	10.0
54	SR 55	3.0	27.0	2.0	10.0
55	SR 56	3.0	21.0	2.0	26.0
56	SR 57	30.0	14.0	2.0	10.0
57	SR 58	3.0	15.0	2.0	10.0
58	SR 59	10.0	17.0	2.0	10.0
59	SR 60	3.0	17.0	2.0	10.0
60	SR 61	3.0	16.0	2.0	10.0
61	SR 62	3.0	18.0	2.0	10.0
62	SR 63	3.0	21.0	2.0	10.0
63	SR 64	3.0	14.0	2.0	10.0
64	SR 65	3.0	9.0	2.0	10.0
65	SR 66	3.0	11.0	2.0	10.0
66	SR 67	20.0	20.0	2.0	10.0
67	SR 68	1120.0	21.0	2.0	24.0
68	SR 69	3.0	26.0	2.0	10.0
69	SR 70	3.0	29.0	2.0	10.0
70	SR 71	3.0	14.0	2.0	10.0
71	SR 72	320.0	14.0	2.0	10.0
72	SR 73	3.0	12.0	2.0	10.0
73	SR 74	3.0	16.0	2.0	10.0
74	SR 75	3.0	12.0	2.0	10.0
75	SR 76	3.0	13.0	2.0	10.0
76	SR 77	3.0	16.0	2.0	10.0
77	SR 78	3.0	25.0	2.0	26.0
78	SR 79	20.0	28.0	2.0	42.0
79	SR 80	5.0	19.0	2.0	10.0
80	SR 81	10.0	21.0	2.0	10.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

* GEOCHEMICAL REPORT *



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2183

Date: AUGUST 30, 1989

Proj.:

Attn:

PAGE 3 / 3

KRAL NO.	IDENTIFICATION	AU PPB	CU PPM	SB PPM	AS PPM
81	SR 82	3.0	16.0	2.0	10.0
82	SR 83	3.0	17.0	2.0	10.0
83	SR 84	3.0	16.0	2.0	10.0
84	SR 85	3.0	14.0	2.0	10.0
85	SR 86	3.0	11.0	2.0	10.0
86	SR 87	3.0	14.0	2.0	10.0
87	SR 88	3.0	21.0	2.0	10.0

IN AU COLUMN 3 INDICATES <5 PPB

IN SB COLUMN 2 INDICATES <4 PPM

IN AS COLUMN 10 INDICATES <20 PPM

(d) Reverse Circulation Drill Hole Samples
R.C.-89-1 to R.C.-89-12

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2G 6P5 PHONE (604) 372-2784 FAX 372-1112

**** GEOCHEMICAL REPORT ****



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2209
Date: OCT. 24, 1989
Proj:

Attn:

PAGE 1 / 8

KRAL NO.	IDENTIFICATION	AU PPB
1	5-10 89 R-1	3.0
2	10-15	3.0
3	15-20	3.0
4	20-25	3.0
5	25-30	3.0
6	30-35	3.0
7	35-40	3.0
8	40-45	3.0
9	45-50	3.0
10	50-55	3.0
11	55-60	3.0
12	60-65	3.0
13	65-70	3.0
14	70-75	3.0
15	75-80	3.0
16	80-85	3.0
17	85-90	3.0
18	90-95	3.0
19	95-100	3.0
20	100-105 89 R-1	3.0
21	105-110	3.0
22	110-115	3.0
23	115-120	3.0
24	120-125	3.0
25	125-130	3.0
26	130-135	3.0
27	135-140	3.0
28	140-145	3.0
29	145-150	3.0
30	150-155	3.0
31	155-160	3.0
32	160-165	3.0
33	165-170	3.0
34	170-175	3.0
35	175-180	3.0
36	180-185	3.0
37	185-190	3.0
38	190-195	3.0
39	195-200	3.0
40	200-205 89 R-1	3.0

34290

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P6 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2209

Date: OCT. 24, 1989

Proj.:

Attn:

PAGE 2 / 8

KRAL NO. IDENTIFICATION		AU PPB
41	205-210	3.0
42	210-215	3.0
43	215-220	3.0
44	220-225	3.0
45	225-230	3.0
46	230-235	3.0
47	235-240	3.0
48	240-245	3.0
49	245-250	3.0
50	250-255	3.0
51	255-260	3.0
52	260-265	3.0
53	265-270	3.0
54	270-275	3.0
55	275-280	3.0
56	280-285	3.0
57	285-290	3.0
58	290-295	3.0
59	295-300	3.0
60	300-305 89 R-1	3.0
61	305-310	3.0
62	310-315	3.0
63	315-320	3.0
64	320-325	3.0
65	325-330	3.0
66	330-335	3.0
67	335-340	3.0
68	340-345	3.0
69	345-350	3.0
70	350-355	3.0
71	355-360	3.0
72	360-365	3.0
73	365-370	3.0
74	370-375	3.0
75	375-380	3.0
76	380-385	3.0
77	385-390	3.0
78	390-395	3.0
79	395-400	3.0
80	400-405 89 R-1	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

812 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2G 5P5 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2209
Date: OCT. 24, 1989
Proj.:

Attn:

PAGE 3 / 8

KRAL NO.	IDENTIFICATION	AU PPB
81	405-410	3.0
82	410-415	3.0
83	415-420	3.0
84	420-425	3.0
85	425-430	3.0
86	430-435	3.0
87	435-440	3.0
88	440-445	3.0
89	445-450	3.0
90	450-455	3.0
91	455-460	3.0
92	460-465	3.0
93	465-470	3.0
94	470-475	3.0
95	475-480	3.0
96	480-485	3.0
97	485-490	3.0
98	490-495	3.0
99	495-500	3.0
100	500-505 89 R-1	3.0
101	505-510	3.0
102	510-515	3.0
103	515-520 157-103.5"	50.0
104	520-525	3.0
105	525-530	3.0
106	530-535 89 R-1	3.0
107	170-175 89 R-2	3.0
108	175-180	3.0
109	180-185	3.0
110	185-190 56.4-57.9	90.0
111	190-195 -59.4	580.0
112	195-200 -61	90.0
113	200-205 89 R-2-62.5	55.0
114	205-210	3.0
115	210-215	3.0
116	215-220	3.0
117	220-225	3.0
118	225-230 68.6-70.1	55.0
119	230-235	5.0
120	235-240	3.0

Hole 1

Hole 2

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

812 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P5 PHONE (604) 372-2784 FAX 372-1112



* GEOCHEMICAL REPORT *

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2209

Date: OCT. 24, 1989

Proj.:

Attn:

PAGE 4 / 8

KRAL NO.	IDENTIFICATION	AU PPB
121	240-245	3.0
122	245-250	3.0
123	250-255	3.0
124	255-260	3.0
125	260-265 79.2-86.77	2910.0
126	265-270 - 82.3	1020.0
127	270-275	3.0
128	275-280	3.0
129	280-285	3.0
130	285-290	3.0
131	290-295	3.0
132	295-300	3.0
133	300-305 89 R-2	3.0
134	305-310	3.0
135	310-315	3.0
136	315-320	3.0
137	320-325	3.0
138	325-330	10.0
139	330-335	5.0
140	335-340	3.0
141	340-345	3.0
142	345-350 106.7-109.2	1330.0
143	350-355	3.0
144	355-360	3.0
145	360-365 111.25-112.5	205.0
146	365-370	3.0
147	370-375 89 R-2 - 15.8	3.0
148	375-380 89 R-3	3.0
149	10-15	3.0
150	15-20	3.0
151	20-25	3.0
152	25-30	3.0
153	30-35	3.0
154	35-40	3.0
155	40-45	3.0
156	45-50 13.7-15.2	50.0
157	50-55	3.0
158	55-60	3.0
159	60-65	3.0
160	65-70	3.0
161	70-75	3.0
162	75-80	3.0

.08
.029
hole 2

stope ?

.04 *#2 ?*

hole 3

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2G 5P5 PHONE (604) 372-2784 FAX 372-1112

*** GEOCHEMICAL REPORT ***



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2209

Date: OCT. 24, 1989

Proj.:

Attn:

PAGE 5 / 8

KRAL NO.	IDENTIFICATION	AU PPB
161	80-85	3.0
162	85-90	3.0
163	90-95	3.0
164	95-100	3.0
165	100-105 89 R-3	3.0
166	105-110	3.0
167	110-115	3.0
168	115-120	3.0
169	120-125	3.0
170	125-130	3.0
171	130-135	3.0
172	135-140	3.0
173	140-145	3.0
174	145-150	3.0
175	150-155	3.0
176	155-160	3.0
177	160-165	3.0
178	165-170	3.0
179	170-175	3.0
180	175-180	3.0
181	180-185 54 86-58-4	2360.0 .06
182	185-190	40.0
183	190-195	10.0
184	195-200	3.0
185	200-205 89 R-3	3.0
186	205-210	3.0
187	210-215	3.0
188	215-220	3.0
189	220-225	3.0
190	225-230	3.0
191	230-235	3.0
192	235-240 746-73-1	50.0
193	240-245	3.0
194	245-250	3.0
195	250-255	10.0
196	255-260 77-7-79-2	100.0
197	260-265 -80-8	2450.0 .06
198	265-270 -82-3	820.0
199	270-275	40.0
200	275-280	3.0

Handwritten notes:
Holes 3

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 -1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P8 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2209
Date: OCT. 24, 1989
Proj.:

Attn:

PAGE 6 / 8

KRAL NO.	IDENTIFICATION	AU PPB
201	280-285	3.0
202	285-290	20.0
203	290-295	3.0
204	295-300	3.0
205	300-305 B9 R-3	3.0
206	305-310	3.0
207	310-315	3.0
208	315-320	3.0
209	320-325 975-975	95.0
210	325-330 -100% 4000.0	- .12
211	330-335 -102%	50.0
212	335-340	3.0
213	340-345	3.0
214	345-350	3.0
215	350-355	3.0
216	355-360 108.2-121.7	410.0
217	360-365	3.0
218	365-370	3.0
219	370-375	3.0
220	375-380	3.0
221	380-385	30.0
222	385-390	3.0
223	390-395	3.0
224	395-400	3.0
225	400-405 B9 R-3	3.0
226	405-410 120.4-125	100.0
227	410-415	10.0
228	415-420	3.0
229	420-425	3.0
230	425-430	30.0
231	430-435 131.46-131.6	200.0
232	435-440 -134.1	50.0
233	440-445	3.0
234	445-450 135.6-137.1	160.0
235	450-455	3.0
236	455-460	3.0
237	460-465 B9 R-3 141.7	3.0
238	10-15 B9 R-4	3.0
239	15-20	3.0
240	20-25	3.0

Assay - 0.150

HOLE 3 -45°

HOLE 4 -65° Site #2

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2G 5P5 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2209
Date: OCT. 24, 1989
Proj.:

Attn:

PAGE 7 / 8

KRAL NO.	IDENTIFICATION	AU PPB
241	25-30	3.0
242	30-35	3.0
243	35-40	3.0
244	40-45	3.0
245	45-50	3.0
246	50-55	3.0
247	55-60	3.0
248	60-65	3.0
249	65-70	3.0
250	70-75	3.0
251	75-80	3.0
252	80-85	3.0
253	85-90	3.0
254	90-95	3.0
255	95-100	3.0
256	100-105 B9 R-4	3.0
257	105-110	3.0
258	110-115	3.0
259	115-120	3.0
260	120-125	3.0
261	125-130	3.0
262	130-135	3.0
263	135-140	3.0
264	140-145	3.0
265	145-150	3.0
266	150-155	3.0
267	155-160	20.0
268	160-165	3.0
269	165-170	3.0
270	170-175	3.0
271	175-180	3.0
272	180-185	3.0
273	185-190	3.0
274	190-195	3.0
275	195-200	3.0
276	200-205 B9 R-4	3.0
277	205-210	3.0
278	210-215	3.0
279	215-220	3.0
280	200-225 B9 R-4	3.0

HOLE 4

2
HOLE 1 535
2-380
3-465
4-225
1605 FT.

IN AU COLUMN 4000 INDICATES >4000 PPB 3 = <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2G 6P5 PHONE (604) 372-2784 FAX 372-1112

**** GEOCHEMICAL REPORT ****



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2210

Date: OCT. 26, 1989

Proj.:

Attn:

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU PPB
1	225-230 B9 R-4	3.0
2	230-235	3.0
3	235-240	3.0
4	240-245	3.0
5	245-250	3.0
6	250-255	3.0
7	255-260	3.0
8	260-265	3.0
9	265-270	3.0
10	270-275	3.0
11	275-280	3.0
12	280-285 85.3-86.9	50.0
13	285-290	3.0
14	290-295	3.0
15	295-300 89.9-91.4	130.0
16	300-305 B9 R-4	3.0
17	305-310	10.0
18	310-315	3.0
19	315-320	3.0
20	320-325	3.0
21	325-330	3.0
22	330-335	3.0
23	335-340	3.0
24	340-345	3.0
25	345-350	3.0
26	350-355	3.0
27	355-360	3.0
28	360-365	3.0
29	365-370	3.0
30	370-375	3.0
31	375-380	3.0
32	380-385	3.0
33	385-390	3.0
34	390-395	3.0
35	395-400	3.0
36	400-405 B9 R-4	3.0
37	405-410	3.0
38	410-415	3.0
39	415-420	3.0
40	420-425	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P6 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: B 2210
Date: OCT. 26, 1989
Proj.:

Attn:

PAGE 2 / 3

KRAL NO.	IDENTIFICATION	AU PPB
41	425-430	3.0
42	430-435	3.0
43	435-440	3.0
44	440-445	3.0
45	445-450	3.0
46	450-455	3.0
47	455-460	3.0
48	460-465	3.0
49	465-470	3.0
50	470-475	3.0
51	475-480	3.0
52	480-485	3.0
53	485-490	3.0
54	490-495	3.0
55	495-500	3.0
56	500-505 89 R-4	3.0
57	505-510	3.0
58	510-515	3.0
59	515-520	3.0
60	520-525 158.4-160	140.0
61	525-530	3.0
62	530-535	3.0
63	535-540	3.0
64	540-545	3.0
65	545-550 166.1-167.6	480.0
66	550-555 -169.16	845.0
67	555-560 89 R-4-170.7	375.0
68	15-20 89 R-5	3.0
69	20-25	3.0
70	25-30	3.0
71	30-35	3.0
72	35-40	3.0
73	40-45	3.0
74	45-50	3.0
75	50-55	3.0
76	55-60	3.0
77	60-65	3.0
78	65-70	3.0
79	70-75	3.0
80	75-80	3.0

R-4

R-5

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

818 - 1 LAVAL ORESCENT, KAMLOOPS, B.C. V2G 5P8 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2210
Date: OCT. 26, 1989
Proj.:

Attn:

PAGE 3 / 3

KRAL NO.	IDENTIFICATION	AU PPB
81	80-85	3.0
82	85-90	3.0
83	90-96	3.0
84	96-101	3.0
85	101-105 89 R-5	3.0
86	105-110	3.0
87	110-115	3.0
88	115-120	3.0
89	120-125	3.0
90	125-130	3.0
91	130-135	3.0
92	135-140	3.0
93	140-145	3.0
94	145-150	3.0
95	150-155	3.0
96	155-160	3.0
97	160-165	3.0
98	165-170	3.0
99	170-175	3.0
100	175-180 53.2 - 54.5	60.0
101	180-185	3.0
102	185-190 56.4 - 57.9	80.0
103	190-195	3.0
104	195-200 59.4 - 61	2360.0
105	200-205 89 R-5 - 62	60.0

R-5

IN AU COLUMN 3 INDICATES <5 PPB

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P6 PHONE (804) 372-2784 FAX 372-1112



**** GEOCHEMICAL REPORT ****

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2212

Date: OCT. 30, 1989

Proj.:

Attn:

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU PPB
1	10-15 B9 R-2	3.0
2	15-20	3.0
3	20-25	3.0
4	25-30	3.0
5	30-35	3.0
6	35-40	3.0
7	40-45	3.0
8	45-50	3.0
9	50-55 15.2-14.7	50.0
10	55-60	3.0
11	60-65	3.0
12	65-70	3.0
13	70-75	3.0
14	75-80	3.0
15	80-85	3.0
16	85-90	3.0
17	90-95	3.0
18	95-100	3.0
19	100-105 B9 R-2	3.0
20	105-110	3.0
21	110-115	3.0
22	115-120	3.0
23	120-125	3.0
24	125-130	3.0
25	130-135	3.0
26	135-140	3.0
27	140-145	3.0
28	145-150	3.0
29	150-155	3.0
30	155-160	3.0
31	160-165	3.0
32	165-170 B9 R-2	3.0
33	205-210 B9 R-5	3.0
34	210-215	3.0
35	215-220	3.0
36	220-225	3.0
37	225-230	3.0
38	230-235	3.0
39	235-240	3.0
40	240-245	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P5 PHONE (604) 372-2784 FAX 372-1112

*** GEOCHEMICAL REPORT ***



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2212

Date: OCT. 30, 1989

Proj.:

Attn:

PAGE 2 / 3

KRAL NO.	IDENTIFICATION	AU PPB
41	245-250	3.0
42	250-255	3.0
43	255-260	3.0
44	260-265 79.2 - 80.7	50.0
45	265-270	3.0
46	270-275	3.0
47	275-280	3.0
48	280-285	3.0
49	285-290	3.0
50	290-295	3.0
51	295-300	3.0
52	300-305 89 R-5 912.3	240.0
53	305-310	3.0
54	310-315	3.0
55	315-320	3.0
56	320-325	3.0
57	325-330	3.0
58	330-335	3.0
59	335-340	3.0
60	340-345	3.0
61	345-350	3.0
62	350-355	3.0
63	355-360 121.8 - 123.7	1300.0
64	360-365	3.0
65	365-370	3.0
66	370-375	3.0
67	375-380	3.0
68	380-385	3.0
69	385-390	3.0
70	390-395	3.0
71	395-400	3.0
72	400-405 89 R-5	20.0
73	405-410 123.4 - 125	60.0
74	410-415	3.0
75	415-420	20.0
76	420-425 128 - 129.5	60.0
77	425-430	20.0
78	430-435	3.0
79	435-440	3.0
80	440-445	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2O 8P5 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2212

Date: OCT. 30, 1989

Proj.:

Attn:

PAGE 3 / 3

KRAL NO.	IDENTIFICATION	AU PPB
81	445-450	3.0
82	450-455	3.0
83	455-460	3.0
84	460-465 89 R-5	3.0
85	10-15 89 R-6	3.0
86	15-20	5.0
87	20-25	20.0
88	25-30	3.0
89	30-35	20.0
90	35-40	30.0
91	40-45	10.0
92	45-50	20.0
93	50-55	5.0
94	55-60	20.0
95	60-65	40.0
96	65-70	45.0
97	70-75	10.0
98	75-80	3.0
99	80-85 24.4-25.9	100.0
100	85-90 27.4	180.0
101	90-95	10.0
102	95-100 28.95-30.5	660.0
103	100-105	3.0
104	105-110	3.0
105	110-115 89R-6	10.0

IN AU COLUMN 3 INDICATES <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ANALYSTS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** GEOCHEMICAL REPORT ****

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: 2214 ?
G 22214
Date: OCT. 31, 1989
Proj.:

Attn:

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU PPB
1	115-120 89 R-6	3.0
2	120-125	3.0
3	125-130	3.0
4	130-135	3.0
5	135-140	3.0
6	140-145	3.0
7	145-150	3.0
8	150-155	3.0
9	155-160	3.0
10	160-165	3.0
11	165-170 89 R-6	60.0
12	170-175	25.0
13	175-180	3.0
14	180-185	3.0
15	185-190	3.0
16	190-195	3.0
17	195-200	3.0
18	200-205 89 R-6	3.0
19	205-210	3.0
20	210-215	3.0
21	215-220	3.0
22	220-225	3.0
23	225-230	3.0
24	230-235	3.0
25	235-240	3.0
26	240-245	3.0
27	245-250	3.0
28	250-255	3.0
29	255-260	3.0
30	260-265	3.0
31	265-270 89 R-6	75.0
32	270-275 89 R-6	2910.0
33	275-280 89 R-6	2160.0
34	280-285 89 R-6	525.0
35	285-290	10.0
36	290-295	3.0
37	295-300 89 R-6	300.0
38	300-305 89 R-6	220.0
39	305-310 89 R-6	165.0
40	310-315	40.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

INC. CERTIFIED ANALYSTS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G / 22214

Date: OCT. 31, 1989

Proj.:

Attn:

PAGE 2 / 3

KRAL NO.	IDENTIFICATION	AU PPB
41	315-320	3.0
42	320-325 97.5-99	75.0
43	325-330	3.0
44	330-335	3.0
45	335-340	3.0
46	340-345	3.0
47	345-350	3.0
48	350-355	3.0
49	355-360	3.0
50	360-365	3.0
51	365-370	3.0
52	370-375	3.0
53	375-380	3.0
54	380-385	3.0
55	385-390	3.0
56	390-395	3.0
57	395-400	20.0
58	400-405 89 R-6	45.0
59	405-410	3.0
60	410-415 120-125	120.0
61	415-420 - 128	180.0
62	420-425	40.0
63	425-430	20.0
64	430-435	3.0
65	435-440	10.0
66	440-445	3.0
67	445-450 100-105	100.0
68	450-455	30.0
69	455-460 100-105	100.0
70	460-465	30.0
71	465-470	20.0
72	470-475 100-105	80.0
73	475-480	20.0
74	480-485	3.0
75	485-490	3.0
76	490-495	3.0
77	495-500	20.0
78	500-505 89 R 6	3.0
79	505-510	10.0
80	510-515	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ANALYSTS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



* GEOCHEMICAL REPORT *

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G #2214
Date: OCT. 31, 1989
Proj.:

Attn:

PAGE 3 / 3

KRAL NO.	IDENTIFICATION	AU PPB
81	515-520	3.0
82	520-525	3.0
83	525-530	10.0
84	530-535	40.0
85	535-5	10.0
86	540-1	3.0
87	545-550	20.0
88	550-555	10.0
89	555-560	3.0
90	560-565	10.0
91	565-570	10.0
92	570-575	10.0
93	575-580	120
94	580-585	4000.0
95	585-590	560.0
96	590-595	270.0
97	595-600 89 R-6	30.0
98	10-15 89 R-7	3.0
99	15-20	3.0
100	20-25	10.0
101	25-30	10.0
102	30-35	3.0
103	35-40	3.0
104	40-45	3.0
105	45-50 89 R-7	3.0

IN AU COLUMN 4000 INDICATES >4000 PPB 3 = <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** GEOCHEMICAL REPORT ****

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2216

Date: NOV. 2, 1989

Proj.:

Attn:

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU PPB
1	50-55 89 R-7	3.0
2	55-60	3.0
3	60-65	3.0
4	65-70	3.0
5	70-75	3.0
6	75-80	3.0
7	80-85	3.0
8	85-90	3.0
9	90-95	3.0
10	95-100	3.0
11	100-105	3.0
12	105-110	3.0
13	110-115	3.0
14	115-120	3.0
15	120-125	3.0
16	125-130	3.0
17	130-135	3.0
18	150-155	3.0
19	155-160	3.0
20	160-165	3.0
21	165-170	3.0
22	170-175	3.0
23	175-180	3.0
24	180-185	120.0
25	185-190	3.0
26	190-195	3.0
27	195-200	3.0
28	200-205	3.0
29	205-210 89 R-7 64m	3.0
30	20-25 89 R-8	3.0
31	25-30	3.0
32	30-35	3.0
33	35-40	3.0
34	40-45	3.0
35	45-50	3.0
36	50-55	3.0
37	55-60	3.0
38	60-65	3.0
39	65-70	3.0
40	70-75	3.0

← STOPE

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



* GEOCHEMICAL REPORT *

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2216

Date: NOV. 2, 1989

Proj.:

Attn:

PAGE 2 / 3

KRAL NO.	IDENTIFICATION	AU PPB
41	75-80	3.0
42	80-85	3.0
43	85-90	3.0
44	90-95	3.0
45	95-100	3.0
46	100-105 89 R-B	3.0
47	105-110	3.0
48	110-115	3.0
49	115-120	3.0
50	120-125	3.0
51	125-130	3.0
52	130-135	3.0
53	135-140	3.0
54	140-145	3.0
55	145-150	3.0
56	150-155	3.0
57	155-160	3.0
58	160-165	3.0
59	165-170	3.0
60	170-175	3.0
61	175-180	3.0
62	180-185	3.0
63	185-190	3.0
64	190-195	3.0
65	195-200	3.0
66	200-205 89 R-B	3.0
67	205-210	3.0
68	210-215	3.0
69	215-220	3.0
70	220-225	3.0
71	225-230	3.0
72	230-235	3.0
73	235-240	3.0
74	240-245	3.0
75	245-250	3.0
76	250-255	3.0
77	255-260	3.0
78	260-265	3.0
79	265-270	3.0
80	270-275	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2216

Date: NOV. 2, 1989

Proj.:

Attn:

PAGE 3 / 3

KRAL NO.	IDENTIFICATION	AU PPB
81	275-280	3.0
82	280-285	3.0
83	285-290	3.0
84	290-295	3.0
85	295-300	3.0
86	300-305 89 R-8	3.0
87	305-310	3.0
88	310-315	3.0
89	315-320 89 R-8	3.0
90	20-30 89 R-9	3.0
91	30-35	3.0
92	35-40	3.0
93	40-45	3.0
94	45-50	130.0
95	50-55	3.0
96	55-60	3.0
97	60-65	3.0
98	65-70	3.0
99	70-75	3.0
100	75-80	3.0
101	80-85	3.0
102	85-90	3.0
103	90-95	3.0
104	95-100	3.0
105	100-105 89 R-9	3.0

IN AU COLUMN 3 INDICATES <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



**** GEOCHEMICAL REPORT ****

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2218

Date: NOV 3, 1989

Proj.:

Attn:

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU PPB
1	105-110 89 R-9	3.0
2	110-115	3.0
3	115-120	3.0
4	120-125	3.0
5	125-130	3.0
6	130-135	3.0
7	135-140	3.0
8	140-145	3.0
9	145-150	3.0
10	150-155	3.0
11	155-160	3.0
12	160-165	3.0
13	165-170	3.0
14	170-175	3.0
15	175-180	3.0
16	180-185	3.0
17	185-190	3.0
18	190-195	3.0
19	195-200	3.0
20	200-205 89 R-9	3.0
21	205-210	3.0
22	210-215	3.0
23	215-220	3.0
24	220-225	3.0
25	225-230	3.0
26	230-235	3.0
27	235-240	3.0
28	240-245	3.0
29	245-250	3.0
30	250-255	3.0
31	255-260	3.0
32	260-265	3.0
33	265-270	3.0
34	270-275	3.0
35	275-280	3.0
36	280-285	3.0
37	285-290	3.0
38	290-295	3.0
39	295-300	3.0
40	300-305 89 R-9	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



*** GEOCHEMICAL REPORT ***

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2218

Date: NOV 3, 1989

Proj.:

Attn:

PAGE 2 / 3

KRAL NO.	IDENTIFICATION	AU PPB
41	305-310	3.0
42	310-315	3.0
43	315-320	3.0
44	320-325	3.0
45	325-330	3.0
46	330-335	3.0
47	335-340	3.0
48	340-345	3.0
49	345-350	3.0
50	350-355	3.0
51	355-360	3.0
52	360-365	3.0
53	365-370	3.0
54	370-375	3.0
55	375-380	3.0
56	380-385	3.0
57	385-390	3.0
58	390-395	3.0
59	395-400	3.0
60	400-405 69 R-9	3.0
61	405-410	3.0
62	410-415	3.0
63	415-420	3.0
64	420-425	3.0
65	425-430	3.0
66	430-435	3.0
67	435-440	3.0
68	440-445	3.0
69	445-450	280.0 <
70	450-455	3.0
71	455-460	3.0
72	460-465	3.0
73	465-470 69 R-9	3.0

IN AU COLUMN 3 INDICATES <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P6 PHONE (604) 372-2784 FAX 372-1112

**** GEOCHEMICAL REPORT ****



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2219
Date: NOV 6, 1989
Proj.:

Attn:

PAGE 1 / 4

KRAL NO.	IDENTIFICATION	AU PPE
1	5-10 89 R-10	3.0
2	10-15	3.0
3	15-20	3.0
4	20-25	3.0
5	25-30	3.0
6	30-35	3.0
7	35-40	3.0
8	40-45	3.0
9	45-50	3.0
10	50-55	3.0
11	55-60	10.0
12	60-65	3.0
13	65-70	3.0
14	70-75	3.0
15	75-80	3.0
16	80-85	3.0
17	85-90	3.0
18	90-95	3.0
19	95-100	3.0
20	100-105 89 R-10	3.0
21	105-110	3.0
22	110-115	3.0
23	115-120	3.0
24	120-125	3.0
25	125-130	3.0
26	130-135 39.6 - 41.1	225.0
27	135-140	3.0
28	140-145	3.0
29	145-150	3.0
30	150-155 45.7 - 47.2	4000.0
31	155-160 - 48.76	1740.0
32	160-165	3.0
33	165-170	3.0
34	170-175	3.0
35	175-180	3.0
36	180-185	3.0
37	185-190	3.0
38	190-195	3.0
39	195-200 59.4 - 60.96	2080.0
40	200-205 89 R-10	3.0

0.383 assay

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P5 PHONE (604) 372-2784 FAX 372-1112



* GEOCHEMICAL REPORT *

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2219
Date: NOV 6, 1989
Proj.:

Attn:

PAGE 2 / 4

KRAL NO.	IDENTIFICATION	AU PPB
41	205-210	3.0
42	210-215	3.0
43	215-220	3.0
44	220-225 89 R-10	3.0
45	35-40 89 R-11	3.0
46	40-45	3.0
47	45-50	3.0
48	50-55	3.0
49	55-60	3.0
50	60-65	3.0
51	65-70	3.0
52	70-75	3.0
53	75-80	3.0
54	80-85 24.4 - 25.91	195.0
55	85-90	3.0
56	90-95	3.0
57	95-100	3.0
58	100-105 89 R-11	3.0
59	105-110	3.0
60	110-115	3.0
61	115-120	3.0
62	120-125	3.0
63	125-130	3.0
64	130-135	3.0
65	135-140	3.0
66	140-145	3.0
67	145-150	3.0
68	150-155	40.0
69	155-160	3.0
70	160-165	3.0
71	165-170	3.0
72	170-175	3.0
73	175-180	3.0
74	180-185	3.0
75	185-190	3.0
76	190-195	3.0
77	195-200	3.0
78	200-205 89 R-11	3.0
79	205-210	3.0
80	210-215	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



* GEOCHEMICAL REPORT *

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2215

Date: NOV 6, 1989

Proj.:

Attn:

PAGE 3 / 4

KRAL NO.	IDENTIFICATION	AU PPB
81	215-220 R-11	3.0
82	220-225	3.0
83	225-230	3.0
84	230-235	3.0
85	235-240	3.0
86	240-245	3.0
87	245-250	3.0
88	250-255	3.0
89	255-260	3.0
90	260-265	3.0
91	265-270	3.0
92	270-275	3.0
93	275-280	3.0
94	280-285 93-3-97.9	60.0
95	285-290	3.0
96	290-295	10.0
97	295-300	3.0
98	300-305 89 R-11	3.0
99	305-310	3.0
100	310-315	3.0
101	315-320	3.0
102	320-325	3.0
103	325-330	3.0
104	330-335	3.0
105	335-340	3.0
106	340-345	3.0
107	345-350 105-15-196.7	1475.0
108	350-355 106.2	100.0
109	355-360	3.0
110	360-365	3.0
111	365-370	3.0
112	370-375	3.0
113	375-380	3.0
114	380-385 115-8-117.3	4000.0
115	385-390	3.0
116	390-395	3.0
117	395-400	3.0
118	400-405 89 R-11	3.0
119	405-410	3.0
120	410-415	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P6 PHONE (604) 372-2784 FAX 372-1112



* GEOCHEMICAL REPORT *

To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2219

Date: NOV 6, 1989

Proj.:

Attn:

PAGE 4 / 4

KRAL NO.	IDENTIFICATION	AU PPB
121	415-420	3.0
122	420-425	3.0
123	425-430	3.0
124	430-435	3.0
125	435-440	3.0
126	440-445	3.0
127	445-450	3.0
128	450-455	3.0
129	455-460	3.0
130	460-465	3.0
131	465-470	3.0
132	470-475	3.0
133	475-480	3.0
134	480-485	3.0
135	485-490 147.8 - 149.3	205.0
136	490-495	3.0
137	495-500	3.0
138	500-505 89 R-11	3.0
139	505-510	3.0
140	510-515	3.0
141	515-520	3.0
142	520-525	3.0
143	525-530	3.0
144	530-535	3.0
145	535-540 89 R-11	3.0

IN AU COLUMN 4000 INDICATES >4000 PPB 3 = <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P5 PHONE (604) 372-2784 FAX 372-1112

**** GEOCHEMICAL REPORT ****



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
VEE 4H1

Number: G 2221

Date: NOV 7, 1989

Proj.:

Attn:

PAGE 1 / 3

KRAL NO.	IDENTIFICATION	AU PPB
1	10-20 89 R-12	3.0
2	20-25	3.0
3	25-30	3.0
4	30-35	3.0
5	35-40	3.0
6	40-45	3.0
7	45-50	3.0
8	50-55	3.0
9	55-60	3.0
10	60-65	3.0
11	65-70	3.0
12	70-75	3.0
13	75-80	3.0
14	80-85	3.0
15	85-90	3.0
16	90-95	3.0
17	95-100	3.0
18	100-105 89 R-12	3.0
19	105-110	3.0
20	110-115	3.0
21	115-120	3.0
22	120-125	3.0
23	125-130	3.0
24	130-135	3.0
25	135-140	3.0
26	140-145	10.0
27	145-150	3.0
28	150-155	3.0
29	155-160	3.0
30	160-165	3.0
31	165-170	3.0
32	170-175	3.0
33	175-180	3.0
34	180-185 5486-564	3630.0
35	185-190	3.0
36	190-195	3.0
37	195-200 59.4-61	145.0
38	200-205 89 R-12	3.0
39	205-210	3.0
40	210-215	3.0

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

*** GEOCHEMICAL REPORT ***



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: G 2221
Date: NOV 7, 1989
Proj.:

Attn:

PAGE 2 / 3

KRAL NO.	IDENTIFICATION	AU PPB
41	215-220	3.0
42	220-225 67-68.6	155.0
43	225-230	3.0
44	230-235	3.0
45	235-240	3.0
46	240-245	3.0
47	245-250	3.0
48	250-255	3.0
49	255-260	3.0
50	260-265	3.0
51	265-270	3.0
52	270-275	3.0
53	275-280	3.0
54	280-285 89 R-12	3.0
55	600-605 89 R-6 -1520	330.0
56	605-610 -1859	1260.0
57	610-615 1875	860.0
58	615-620 189	415.0
59	620-625 190.5	1060.0
60	625-630 182	125.0
61	630-635 193.5	1060.0
62	635-640 195	990.0
63	640-645 1966	4000.0
64	645-650 89 R-6 198.1	445.0
65	89-1-18	3.0
66	89-1-31	3.0
67	89-1-40.4	3.0
68	89-2-30	3.0
69	89-2-73.4	3.0
70	89-3-11.6	3.0
71	89-3-26	3.0
72	89-3-50	3.0
73	89-4-23.5	3.0
74	89-6-27.7	3.0
75	89-6-30.5	3.0

IN AU COLUMN 4000 INDICATES >4000 PPB 3 = <5 PPB

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912-1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 6P6 PHONE (604) 372-2784 FAX 372-1112



**** ASSAY CERTIFICATE ****

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9891

Date: Nov. 7, 1989

Proj.:

Attn:

No.	Description	Au ozs/ton
1	89 R-3 325-330	.150
2	89 R-6 580-585	.169
3	89 R-6 640-645	.144
4	89 R-10 150-155	.383 <i>45.7 - 47.2</i>
5	89 R-11 380-385	.386 <i>115.8 - 117.3</i>

David A. Blumell

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112



** ASSAY CERTIFICATE **

To: Hawkeye Developments Ltd.
550-1040 West Georgia St.,
Vancouver, B.C.
V6E 4H1

Number: K 9904
Date: Nov. 16, 1989
Proj.:

Attn:

No.	Description	Au ozs/ton
1	89 R-6 575-580	.005
2	585-590	.012
3	590-595	.007
4	595-600	<.001
5	600-605	.050
6	605-610	.031
7	610-615	.024
8	615-620	.016
9	620-625	* .023
10	625-630	.008
11	630-635	.035
12	635-640	.026
	640-645	.169
13	89 R-6 645-650	.009

* Sample has been screened and found to contain coarse gold. See below.

	Percent Weight	Au ozs/ton	Combined Au ozs/ton
9 620-625 -100 mesh	97.23	.019	.023
+100 mesh	2.77	.172	

David A. Randall

B.C. Certified Assayer

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT, KAMLOOPS, B.C. V2C 5P5 PHONE (604) 372-2784 FAX 372-1112

**** GEOCHEMICAL REPORT ****



To: HAWKEYE DEVELOPMENTS LTD.
550-1040 WEST GEORGIA ST.,
VANCOUVER, B.C.
V6E 4H1

Number: B 2230

Date: NOV. 23, 1989

Proj.:

Attn:

PAGE 1 / 1

KRAL NO.	IDENTIFICATION	AS PPM	CU PPM	ZN PPM	AS PPM
1	575-580 89 R-6	0.6	328.0	160.0	10.0
2	580-585	3.8	1120.0	279.0	30.0
3	585-590	0.1	33.0	105.0	10.0
4	590-595	0.0	45.0	86.0	10.0
5	595-600	0.0	24.0	80.0	10.0
6	600-605	0.6	160.0	130.0	10.0
7	605-610	1.9	134.0	115.0	10.0
8	610-615	0.4	111.0	104.0	10.0
9	615-620	0.1	84.0	92.0	10.0
10	620-625	0.4	86.0	105.0	10.0
11	625-630	0.0	62.0	94.0	10.0
12	630-635	0.5	165.0	114.0	10.0
13	635-640	0.5	146.0	112.0	10.0
14	640-645	0.7	405.0	108.0	10.0
15	645-650 89 R-6	0.2	156.0	93.0	10.0
16	45-50 89 R-9	0.0	15.0	62.0	10.0
17	95-100 89 R-9	0.0	8.0	100.0	10.0

IN AS COLUMN 0.0 INDICATES <0.1 PPM

IN AS COLUMN 10 INDICATES <20 PPM

APPENDIX III.

DRILL CORE LOG SUMMARIES

D.D.H. 89-1 to 89-14

To Accompany: Report of Work, Second Relief Project,
Hawkeye Developments Ltd., 1989.

HAWKEYE DEVELOPMENTS LTD.

DIAMOND DRILL RECORD

NQ size

HOLE NO:

89-2

PAGE NO:

1 of 1

L 88.5 S
208.5 W

AZIMUTH 135°. Dip -63°. Length 76.2m, 250 feet.

INEZ VEIN - 'A' ZONE

METRES		DESCRIPTION	SAMPLE NO	METRES		LENGTH METRES	Au oz/ton	Ag oz./ton	Cu %	Alter.	Pyrite
from	to			from	to						
0	2.7	Overburden.									
2.7		Dense dark green-brown skarn altered andesite Broken sections. Varyingly porphyritic. Minor pyritization, epidotization									
		12.9-14.05 dk f. gr. andesite dyke. Calc. alteration - white fracture fillings. Minor faulting - crushed rock with gouge at 14.5-14.8 sub-parallel to C.A.									
		14.8-16.1 greenish coloured dyke - andesite varyingly amygdaloidal, calcareous									
16.1		Crushed textures at lower contact of dyke. Followed by narrow zone of epidote and less intense epidotization of andesite. Probably much modified lapillistone formation. Fracturing 45° N C.A.									
		18.3-19.6 Broken core. Some surface-type weathering effects. Hematite on shears									
		21.4-22.4 As above. Some intense epidotization in lapillistone Fractured 60° N C.A.									
32.1	32.9	Dark andesite dykes - compare 12.9-14m chilled margins, irregularly amygdaloidal. Varying degrees of epidotization. F. gr. pyrite at contacts.									
35.0	35.7										
37.4	39.8		65691	37.1	37.4	0.30	<.001			epidote	✓
39.8	41.0	Intense epidotization - bright apple green. Related to fracturing sub-parallel to C.A.	65692	49.65	51.0	1.35	<.001			intense epidote	mt, py
41.0	49.65	Followed by heterogeneous epidotic, porphyritic andesite and fragmental andesite (lapillistone)	65693	57.0	57.6	0.60	<.001			epidote	Fe Ox
49.65	51.1	Speckled appearing apple green 'epidote rock' with specks of chlorite. Few narrow seams py/mt at 45° N C.A. Followed by rock that is obviously of volcanic origin. Few patches of garnet (reddish)									
		57.0-57.6 broken core ± Fe Ox. Calc. veins to 3cm.									
57.6	76.2	v. strongly epidotized andesite volc. fragmental Apple-green ± patches of reddish garnet 1cm x 0.5cm. Chlorite on shears. Calc. on frags. Rock reacts to HCl (10%)									

E.O.H.

L152S
212W

HAWKEYE DEVELOPMENTS LTD.
DIAMOND DRILL RECORD

NQ size.

HOLE NO:

89-A

PAGE NO:

1 of 2

AZIMUTH 135° DIP -71° LENGTH 47.8m. 157 feet.

INEZ VEIN - 'B' ZONE

METRES		DESCRIPTION	SAMPLE NO	METRES		LENGTH METRES	Au oz/ton	Ag oz./ton	Cu %	Alter.	Pyrite
from	to			from	to						
0	1.5	Overburden.									
1.5	6.4	Broken core. Strongly epidotic porphyritic fragmental volcanics - andesite composition. Fractures at 45° to C.A. ± with q.									
6.4	8.95	Dk grey andesite dyke - upper contact broken. Lower contact chilled - narrow. Strong reaction to 10% HCl. Rock is med. soft.									
8.95	13.0	Fragmental volcanics - very strongly epidotized - same as 1.5 - 6.4m. 10.4 to 11.6m. is intensely epidotic. Fragments to 4cm.									
13.0	14.3	Much lost core. Crushed biotitic material - may be lamprophyre but from 13.4	67534	28.96	30.1	1.14	.143	2.01	.27		Q-magn 1-3%
		rock is dk grey andesite as 8.4 to 6.4 to 8.95m. Strongly reactive to HCl.	67535	30.1	31.6	1.5	.002				
			67536	31.6	32	0.4	.135	.06	.32		Mt, Q, Po, Py, Cp
			67537	32	32.7	0.7	.021				QV Py (tr)
	15.5		67538	32.7	33.18	0.48	.001				
15.5	26.0	Epidotic fragmental volcanics - andesite varyingly porphyritic and fragmental. Non-reactive to HCl. Epidote varies from narrow seams to pervasive - especially in finer grained portions. 25.3 to 26m. is mixture of epidotic seams sub-parallel to C.A., feldspathization and chloritization	67539	33.18	34	0.82	.005				
			67540	34	36.1	2.10	2.001				
			67541	36.1	36.6	0.5	.349	1.92	.28		Pa. Cpy. Py.
			67542	36.6	37.4	.8	.090				
				28.96	34	5.04	.047				
26.0	34.0	Crowded feldspar porphyry - rock is dark bluish-grey colour with prominent white feldspars up to 4mm diameter 30 to 60% of rock. Matrix is foliated with development of biotite. At 28.96 - contact at 80° to C.A. - change to a zone of quartz and magnetite that parallels C.A. Width appears to be only a few cms. Magnetite is 35% +. 1 to 3% sulphides - mixed pyrrhotite, chalcopyrite, and pyrite - continues to 30.1m. 30 to 30.1m. - white vitreous quartz vein some sulphides present in folia of diorite porphyry.		36.1	37.4	1.3	.190				

IDA D VEIN
L101SW
91 NW

HAWKEYE DEVELOPMENTS LTD

DIAMOND DRILL RECORD

NQ

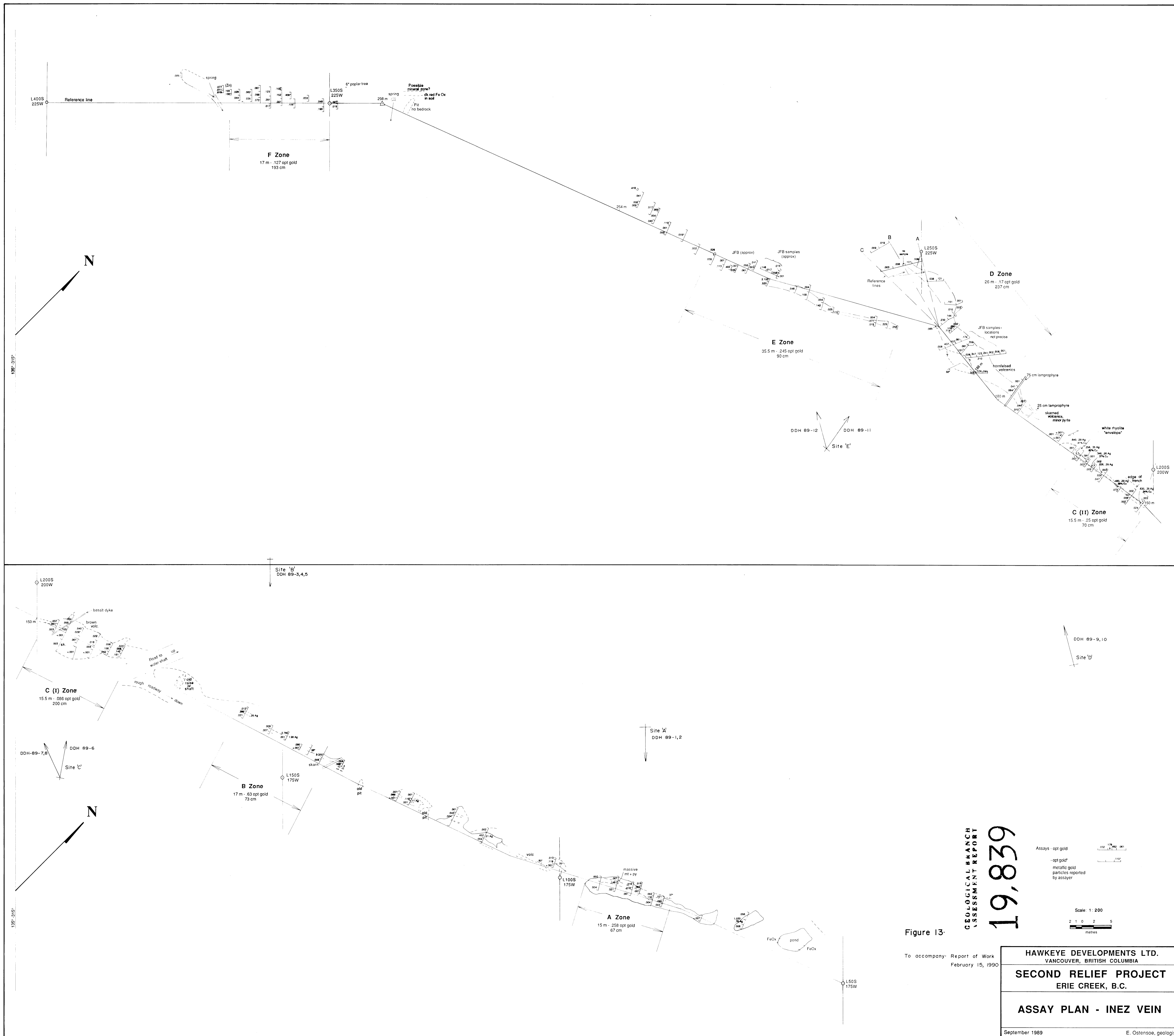
HOLE NO: 89-13

PAGE NO: 1 of 1

AZIMUTH 136°. DIP -50°. LENGTH 40.75m (137ft).

METRES		DESCRIPTION	SAMPLE NO	METRES		LENGTH METRES	Au oz/ton	Ag oz./ton	Cu %	Alter.	Pyrite
from	to			from	to						
0	3.	No core									
3.	16.3	Upper portion of hole is very crushed and broken, brown weathering andesite. Short solid intervals are feldspar porphyry andesite - dk bluish-greyish-greenish colours.									
16.3	40.75	At 16.3m. core becomes slightly more competent, mottled purple/pale green colour. Lighter coloured material is alteration that has penetrated andesite, creating a cracked-type of pattern - presumably by forming a feldspathic-epidiotec mixture. Similar rock continues to EOH. Malachite at 32.4m. Rock is very variable - also broken and fractured with surface weathering present to total depth. Intervals are strongly biotitid - mostly in sections that are porphyritic. Pyrite is present but very variable in occurrence and amounts - strong in stringers at 31.9 - 33.2m. Crystalline calcite - grey to black - present in fractures and in strongly altered cracked sections. No quartz veining.	67613	30.6	31.6	1.0	Trace			cracked.	
			67614	31.6	32.4	.8					4%
			67615	32.4	33.4	1.					
			67616	33.4	34.4	1.					
			67617	34.4	35.0	.6					
			67618	35.	36.	1.					
			67619	36.	36.7	.7					
			67620	36.7	37.7	1.					
			67621	37.7	38.7	1.					
			67622	38.7	39.7	1.					
			67623	39.7	40.7	1.					
			67624	40.7	41.3	.6					
			67625	41.3	41.75	.45					

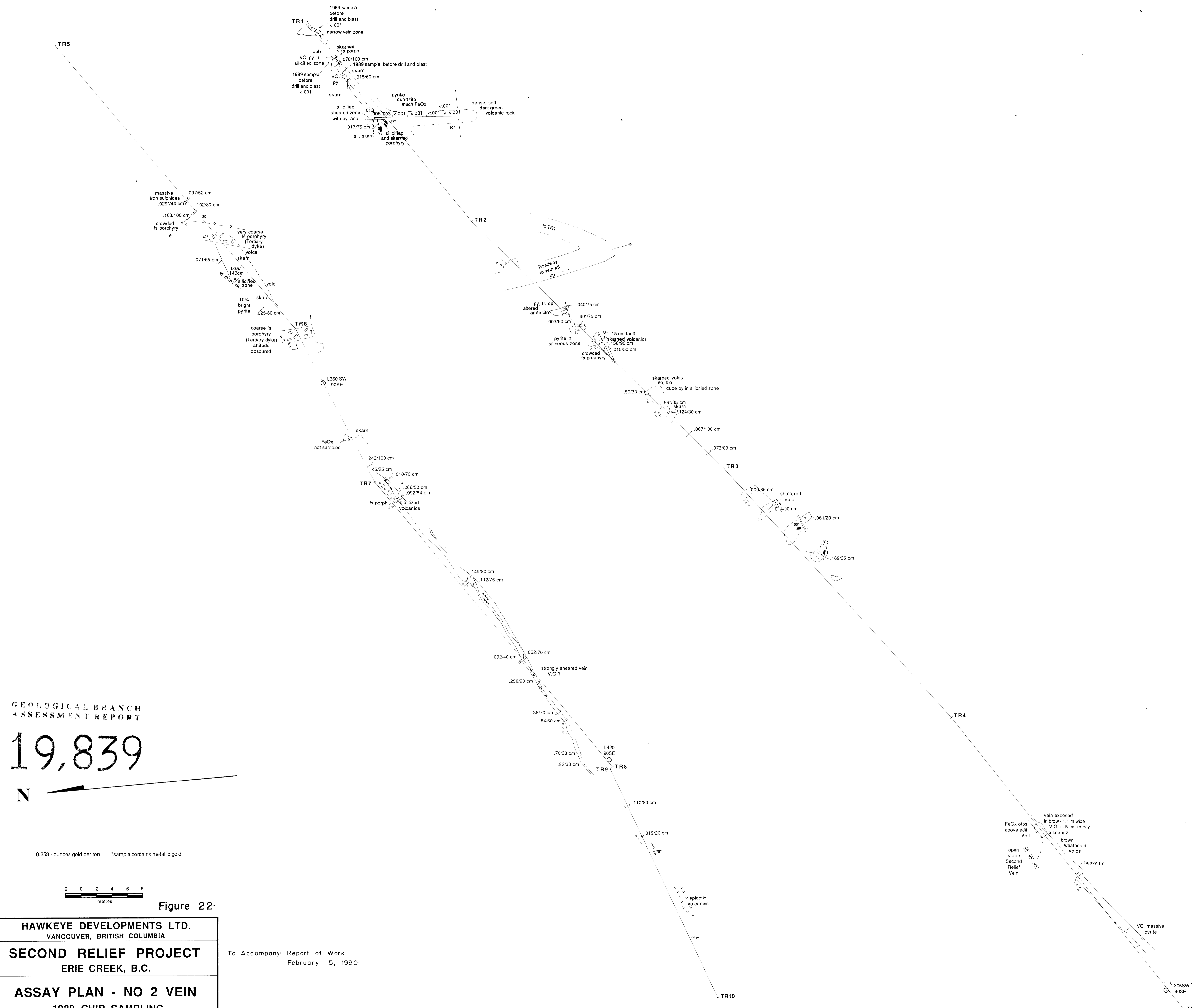
E.O.H. Oct 8/89.



GEOLOGICAL BRANCH
 ASSESSMENT REPORT
19,839

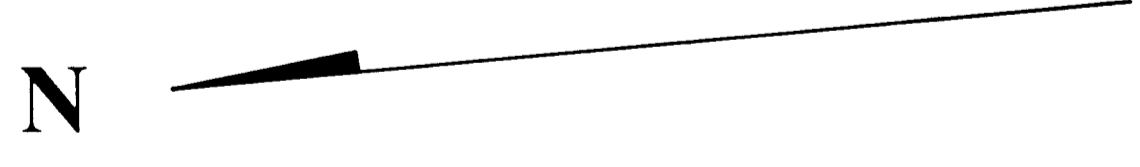
Figure 13:
 To accompany Report of Work
 February 15, 1990

HAWKEYE DEVELOPMENTS LTD. VANCOUVER, BRITISH COLUMBIA	
SECOND RELIEF PROJECT ERIE CREEK, B.C.	
ASSAY PLAN - INEZ VEIN	
September 1989	E. Ostensoe, geologist



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,839



0.258 - ounces gold per ton *sample contains metallic gold

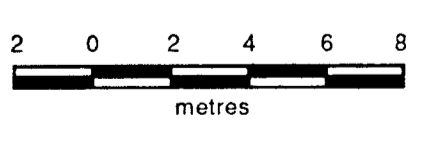
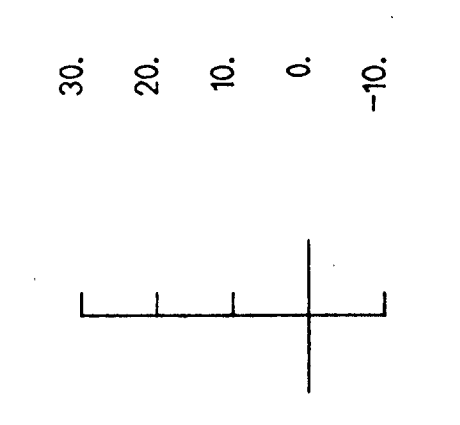
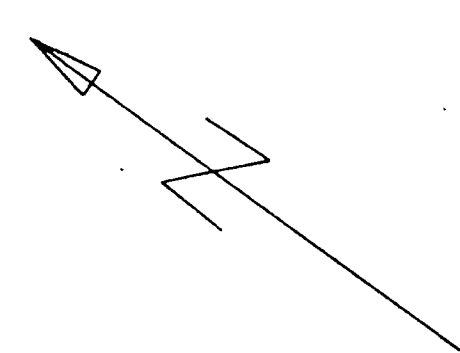
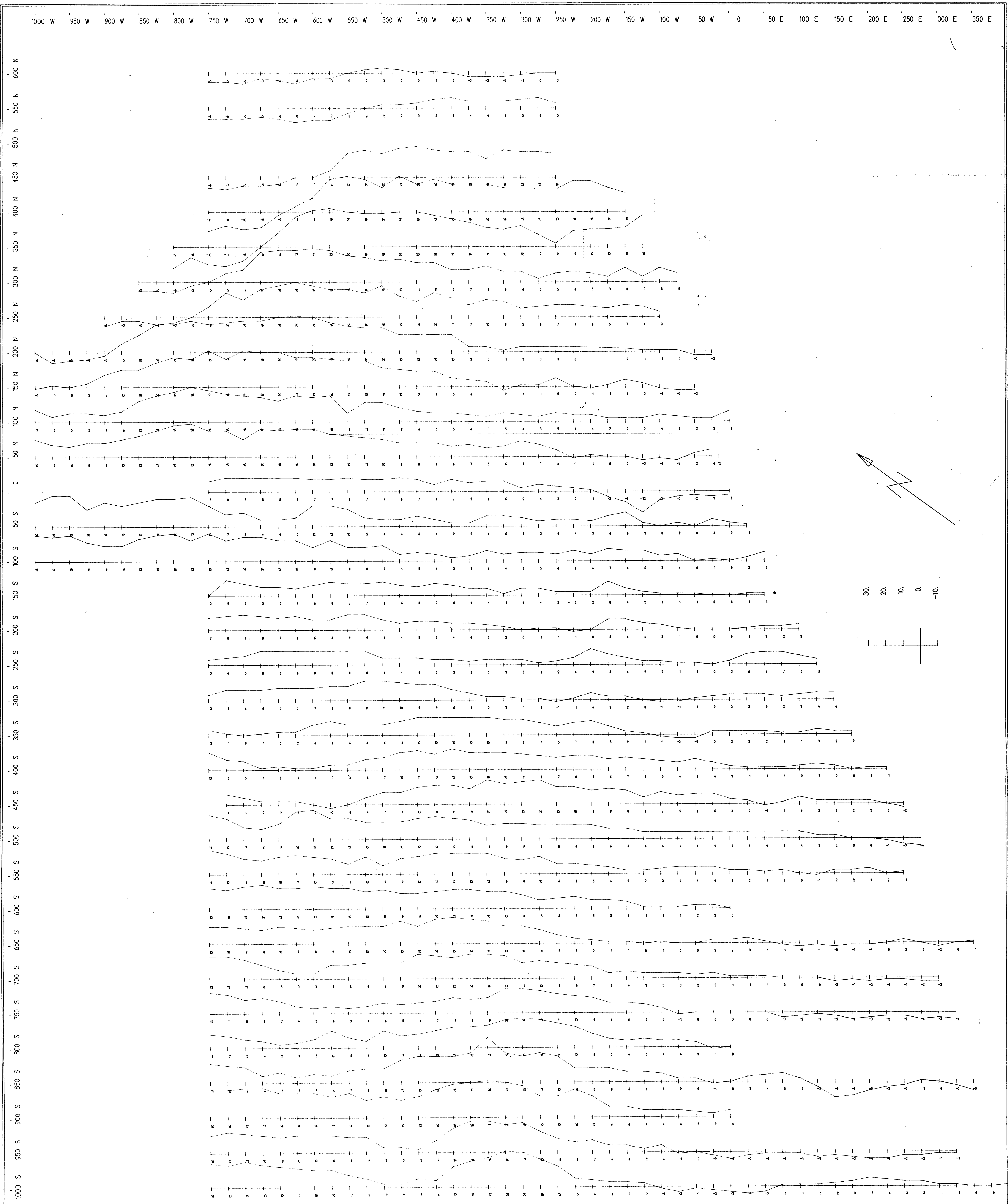


Figure 22.

HAWKEYE DEVELOPMENTS LTD. VANCOUVER, BRITISH COLUMBIA	
SECOND RELIEF PROJECT ERIE CREEK, B.C.	
ASSAY PLAN - NO 2 VEIN 1989 CHIP SAMPLING	
September 1989	E. Ostensoe, geologist

To Accompany: Report of Work
February 15, 1990.

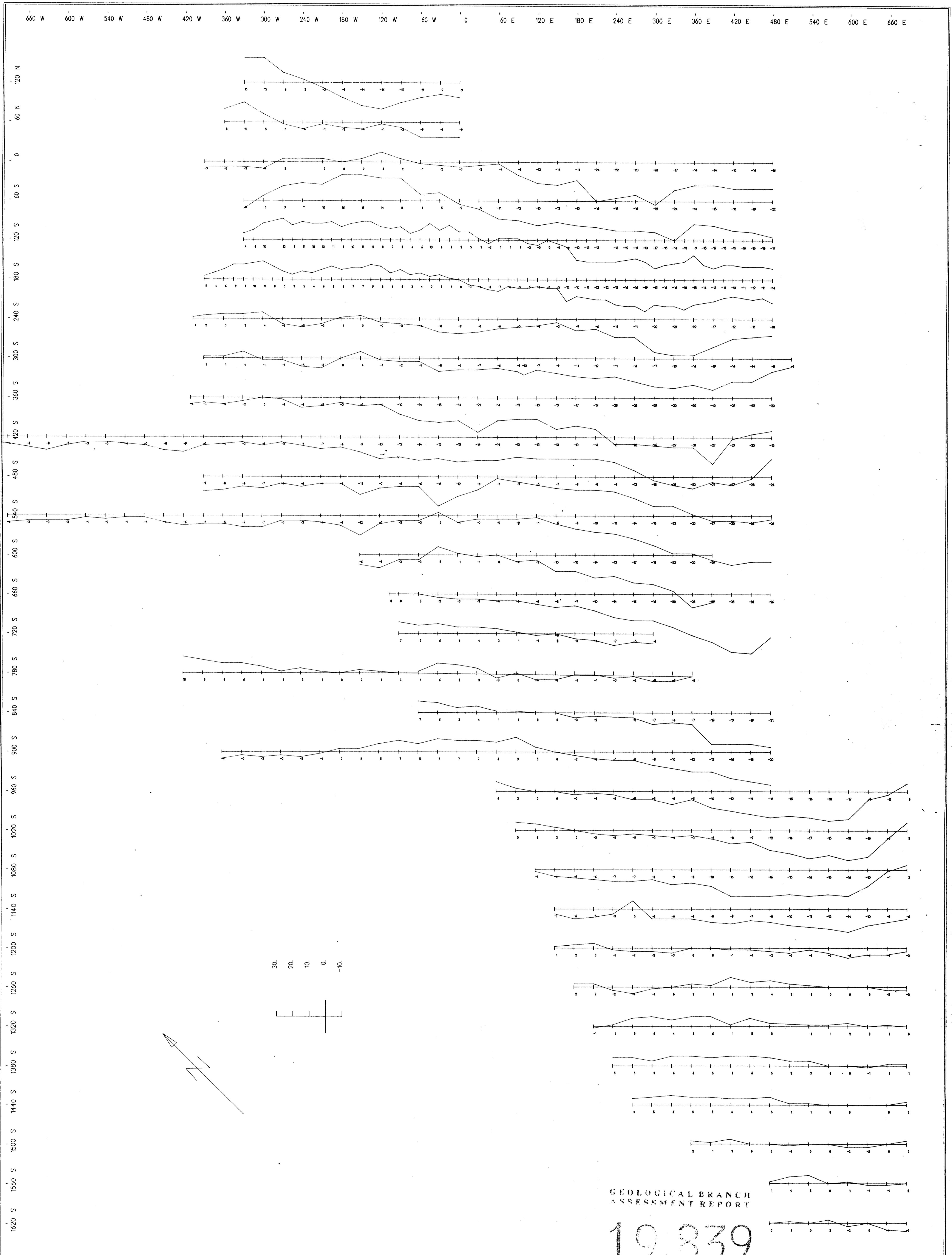


GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 19,839

Figure 7. VLF - EM Survey - West Grid

To Accompany: Report of Work,
 Second Relief Project,
 Erie, B. C.
 February 15, 1990.

HAWKEYE RESOURCES LTD.	
SECOND RELIEF	PROJECT # 89HE1
VLF EM SURVEY - WEST GRID	
MONTGOMERY CONSULTANTS LIMITED	AUGUST 24, 1989

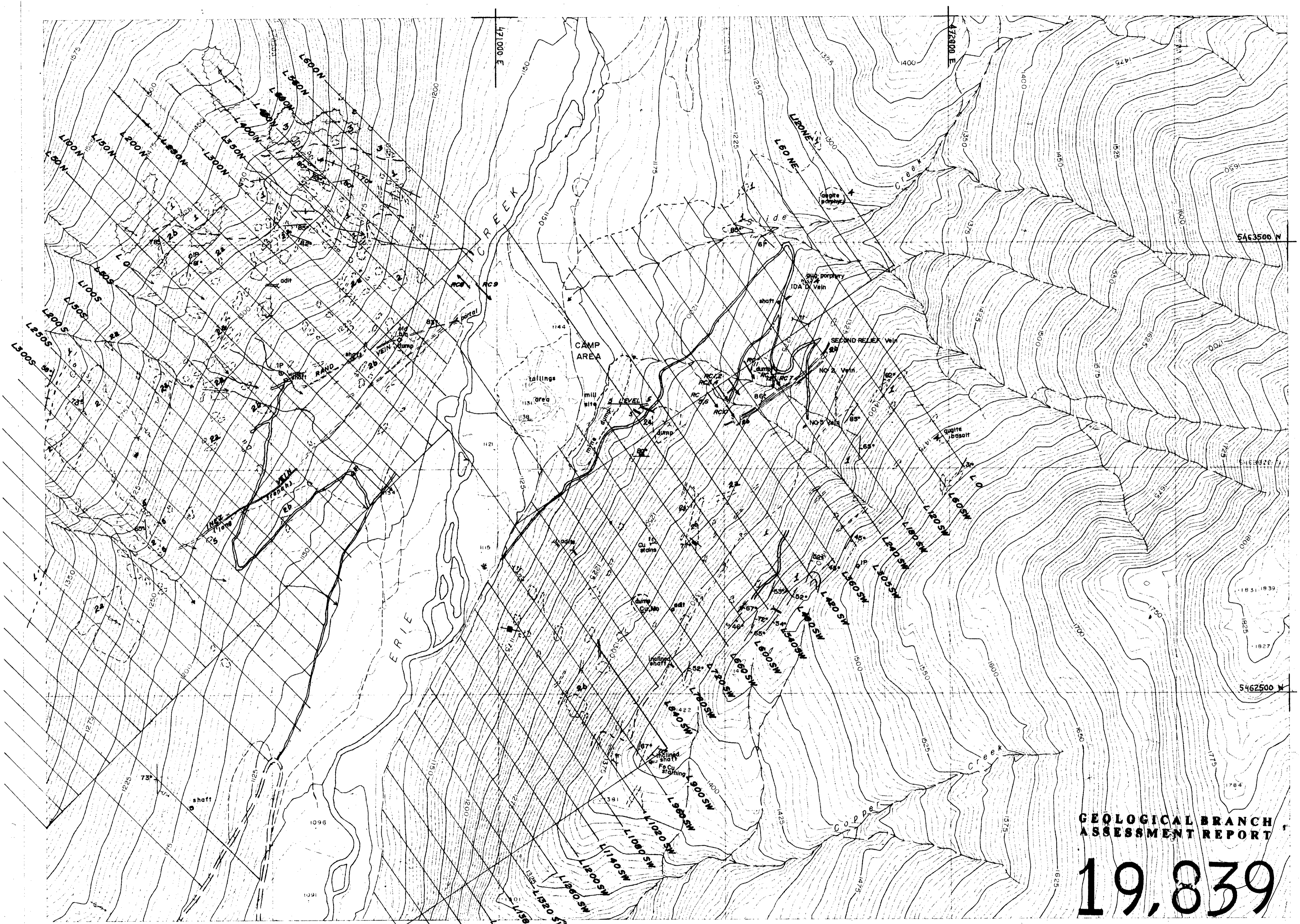


GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,839

Figure 8. VLF - EM Survey - East Grid
To Accompany: Report of Work
Second Relief Project
Erie, B. C.
February 15, 1990.

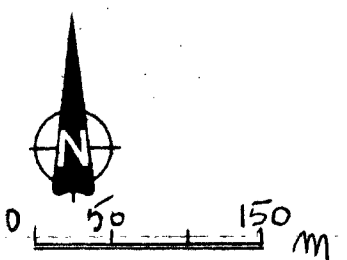
FIGURE 8	
HAWKEYE RESOURCES LTD.	
SECOND RELIEF	PROJECT # 89HE1
VLF EM SURVEY - EAST GRID	
MONTGOMERY CONSULTANTS LIMITED	AUGUST 24, 1989



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,839

- | | | | |
|----|---|---|--|
| 1 | "SINEMURIAN BEDS"
Archibald formation
argillite, quartzite, FeOx | 3 | NELSON INTRUSIONS
granite, granodiorite |
| 2a | "ROSSLAND VOLCANICS"
Elise formation
lapilli tuff, fs porphyry
fragmental textures | 4 | basalt |
| 2b | microdiorite, crowded
feldspar porphyry | 5 | biotite lamprophyre |
| | | | mineral zone |



Geological mapping
by E. Ostensoe 1989

PRELIMINARY RECONNAISSANCE TYPE MAPPING
SCALE AND ELEVATION DATUM BASED ON LIMITED GROUND CONTROL
RESULTING IN GOOD RELATIVE BUT UNCERTAIN MAP ACCURACY.

To accompany: REPORT OF WORK - Second Relief Project

THE McELHANNAY SURVEYS LTD.
1000 AVENUE A BEAUFORT STREET, VANCOUVER, B.C. (604) 683-8521

COMPILED FROM AERIAL PHOTOGRAPHY TAKEN IN 1980
AT AN APPROXIMATE SCALE OF 1:40000

SCALE 1:5,000
DATE JUNE 1989
SHEET NUMBER 1 OF 1

McElhannay
REF. NO. 12298

HAWKEYE DEVELOPMENTS

ERIE CREEK

Figure 3. GEOLOGY - SECOND RELIEF AREA

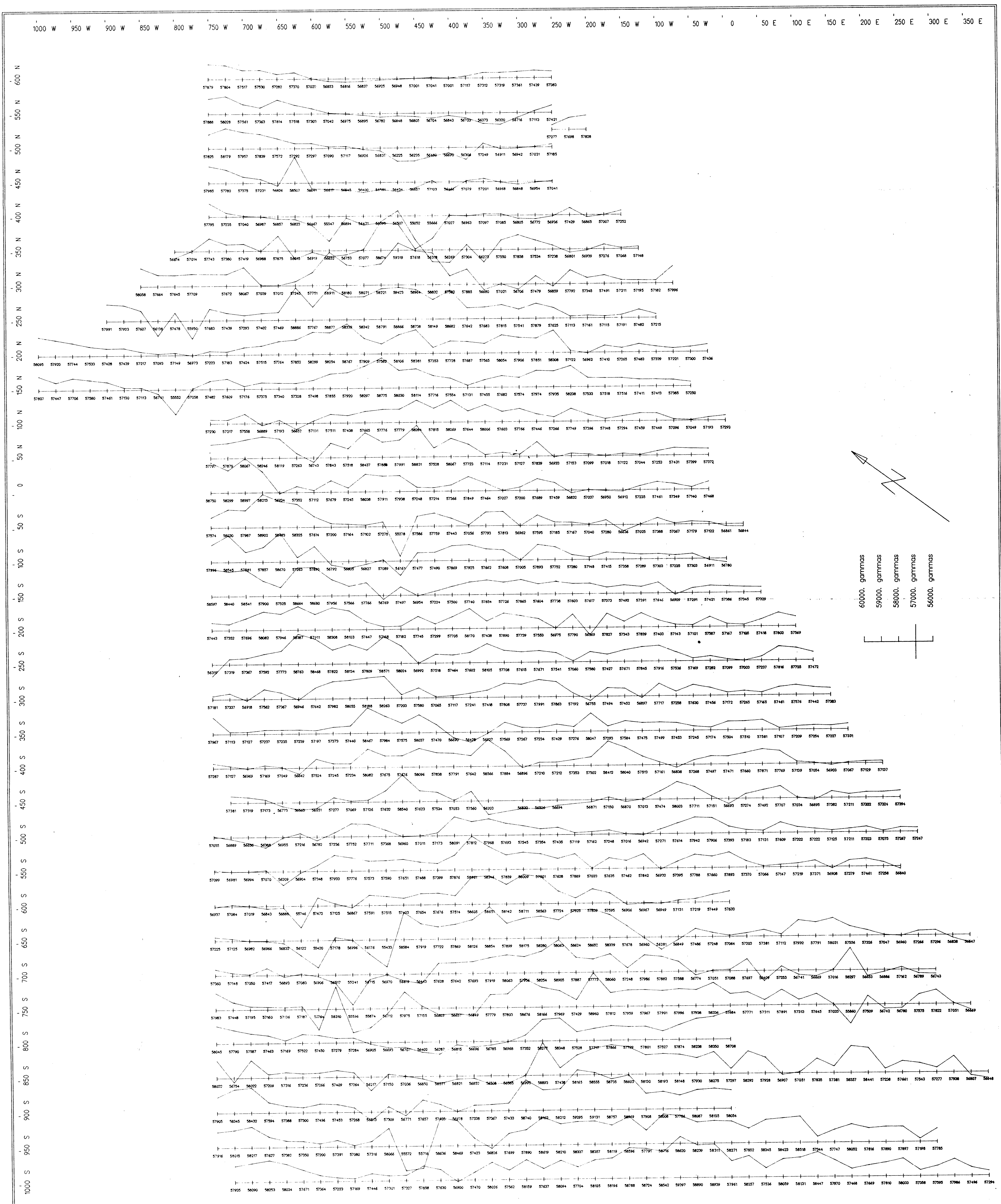


Figure 5. Magnetics - West Grid

GEOLOGICAL BRANCH
ASSESSMENT REPORT

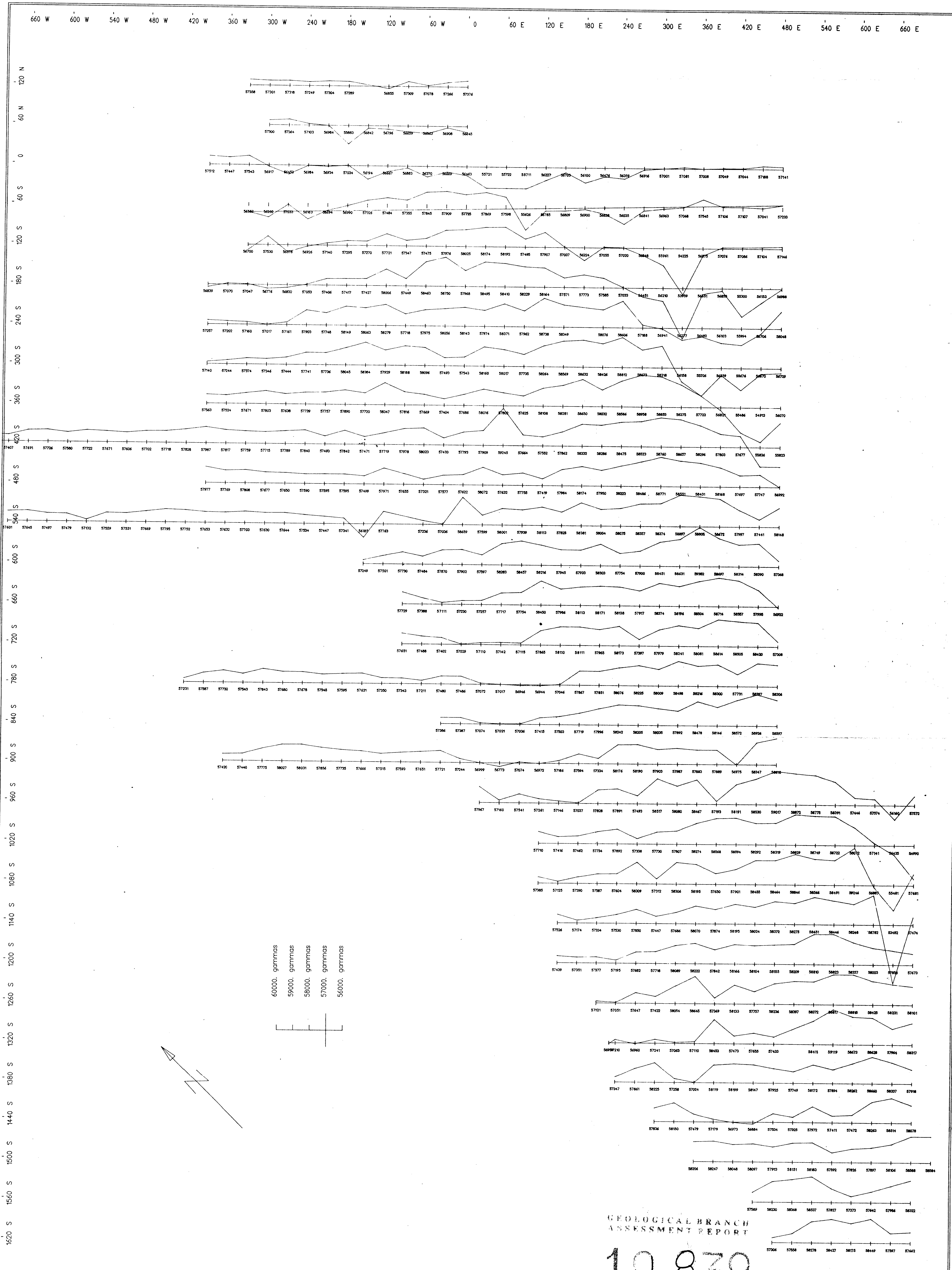
To Accompany: Report of Work
Second Relief Project,
Erie, B. C.

February 15, 1990.

19,839

HAWKEYE RESOURCES LTD.
SECOND RELIEF PROJECT # 89HE1
MAG SURVEY - WEST GRID

0 50 100 M
MONTGOMERY CONSULTANTS LIMITED AUGUST 24, 1989



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,839

Figure 6. Magnetics - East Grid
To Accompany: Report of Work,
Second Relief Project,
Erie, B. C.
February 15, 1989.

FIGURE 6	
HAWKEYE RESOURCES LTD.	
SECOND RELIEF	PROJECT # 89HE1
MAG SURVEY - EAST GRID	
MONTGOMERY CONSULTANTS LIMITED	AUGUST 25, 1989