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GOLD-SILVER PROPERTY 'DELIA-WENDY' SIXTYMILE RIVER AREA, YUKON TERRITORY, CANADA

Geological-, Diamond Drilling-, Geochemical-, Geophysical- and Fluid Inclusion Report

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by Dipl. Geol. U. Glasmacher

Part B:
Geophysical Report
by Dipl. Geol. H.P. Thominski

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1. INTRODUCTION

Attention was first drawn to the 'Delia-Wendy' claims in 1985 when placer miners opened up a mineralized zone with diss. pyrite and pyrite veinlets and analysis of grab samples return with anomalous gold and silver values. The core of the anomalous area was staked as Delia 1 to 6 by Erwin Kraeft. Sampling and prospecting in 1986 field season extended and amplified the anomalous area. By the end of 1986 the Wendy group has been staked.

The 1988 program consist of detailed geological mapping and 765 m of diamond drilling distributed among 7 holes with emphasis on definition of mineral and metal zoning pattern and testing continuity of mineralization below the best occurrences exposed by placer mining activities.

In connection with the drilling program a detailed VLF- and magnetometer survey was done to follow up and define zones with strong alteration and mineralization.

These program has been carried out between July 15th 1988 and August 21th 1988.

2. PROPERTY, LOCATION AND ACCESS

The gold-silver property Delia-Wendy is located in the Sixtymile River area 80 miles west of Dawson City (Fig. 1). The claimgroups Delia and Wendy cover an area in Sixtymile River valley at the confluence of Miller Creek (Fig. 2).

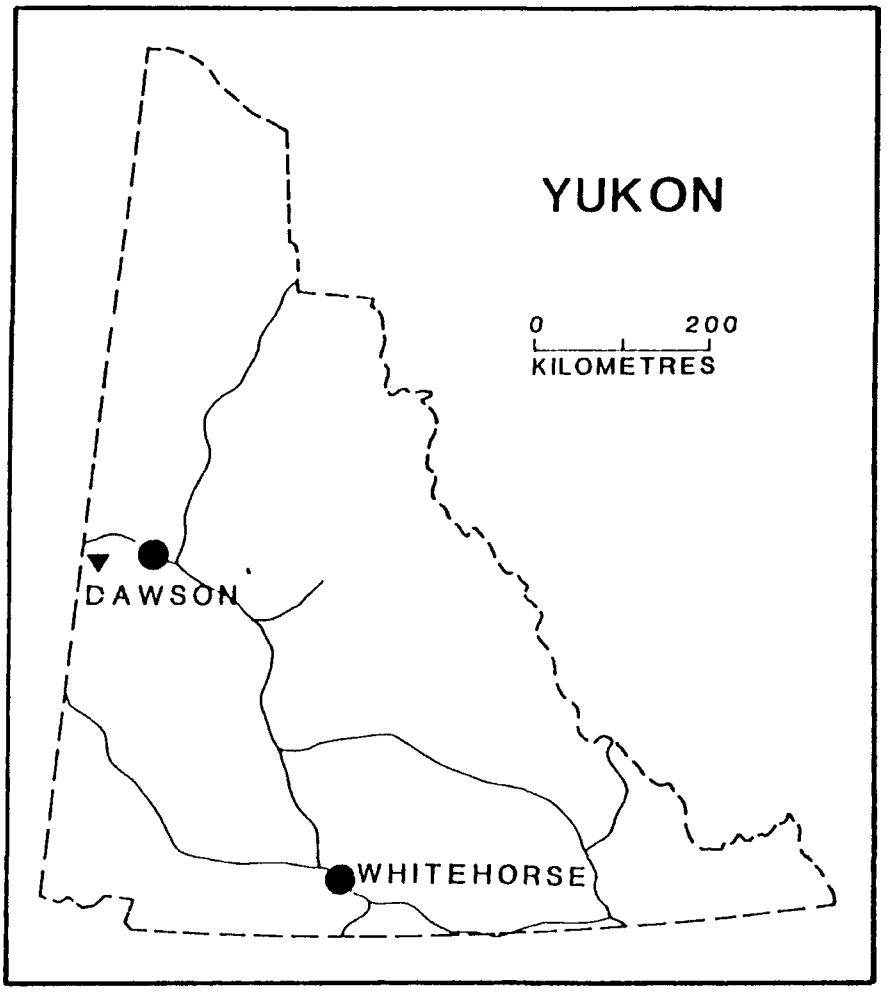


Fig. 1: Location of the Sixtymile River Area (▼).

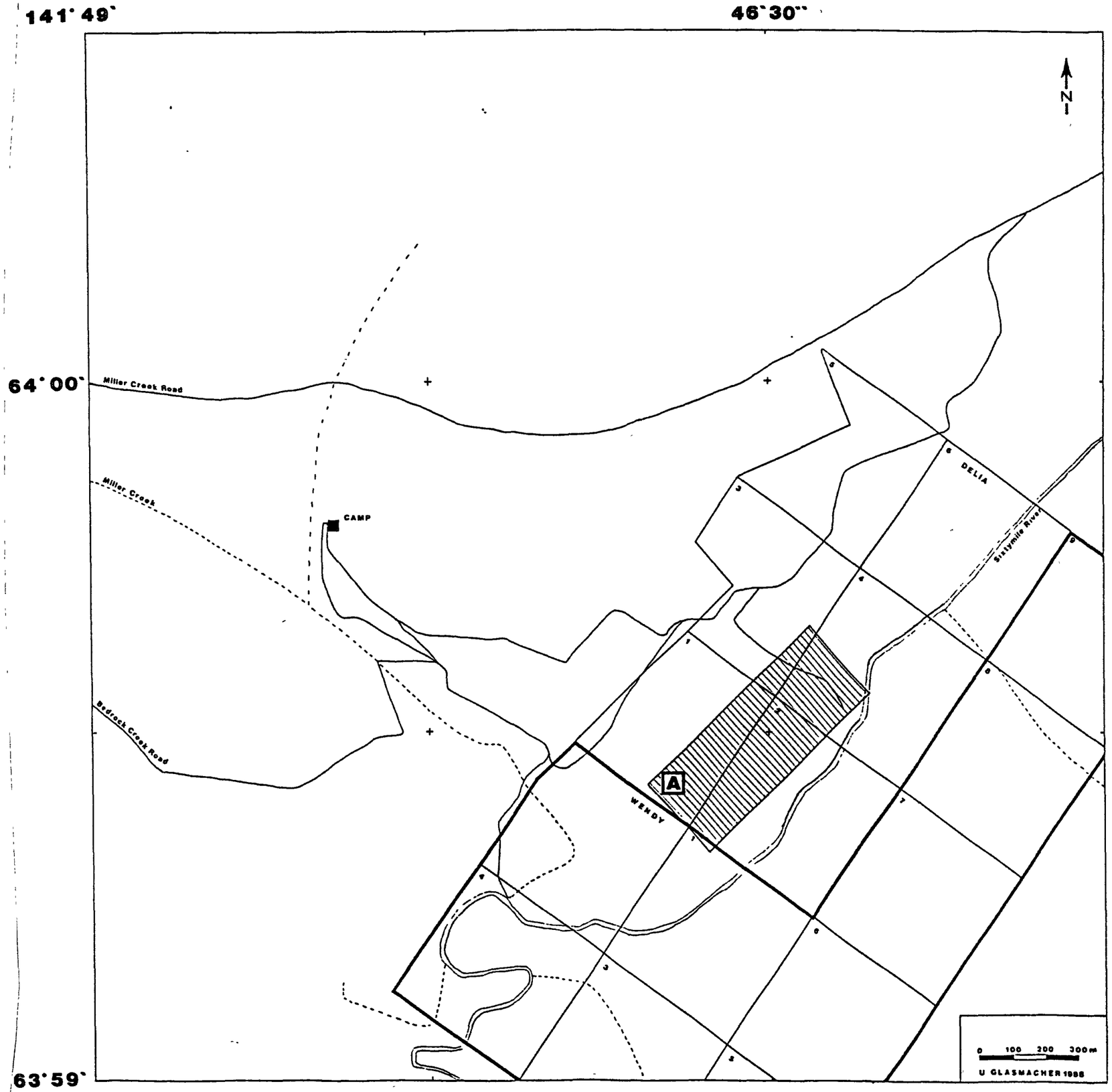


Fig. 2: Claim map of the gold-silver property Delia-Wendy
(A = location of geologic map Fig. 4)

The gold-silver property Delia-Wendy consists of 15 contiguos claims crosscutting the Sixtymile River valley in northeast direction at the confluence of Miller Creek (Tab. 1; Fig. 2). Claims are registered in the name of Erwin Kraeft (1985; 1986), Whitehorse in the Dawson Mining District.

Table 1: Hardrock claim groups

Property (Claim Map)	Claim Name	No. of Claims	Grant Number
Delia-Wendy (115-N-15, 116-C-2)	Delia 1 - 6	6	YA87688-YA87693
	Wendy 1 - 9	9	YA88114-YA88122

The Delia-Wendy block is centered at the latitude 63° 59'30''N and longitude 140° 46'30''W on claim sheet 116-C-2 and 115-N-15.
During spring, summer and fall access from Dawson City is via the Top of the World Highway and the Sixtymile River Road. During the winter time access to the property is given by helicopter transportation from Dawson City.

3. PREVIOUS WORK

The area is well known for placer gold occurence since 1892 when C. Miller discovered gold in quarternary sediments of Miller Creek.
During the 60th minor exploration was done by local prospectors followed by the discovery of lead-silver veintype mineralization south of Moskito Creek (southeast tributary of Sixtymile River).
Following up a Ba-anomaly Homestake Ltd. staked a claim group on the hillside between Miller Creek and Glacier Creek in 1982.
Recent exploration work is done by Hudge-Lang Group and Croesus Exploration.

4. PHYSIOGRAPHY AND GEOMORPHOLOGY

The Delia and Wendy property is located in the Sixtymile River valley at the confluence of Miller Creek and Sixtymile River. Property elevation is 2,300 ft.

Like the rest of the area between Dawson City and the Alaskan border the Delia-Wendy property did not undergo continental glaciation during the Pleistocene epoch.

Outcrops are scare and hardrock at the property is normaly covered by 10 feet of fluvial gravel as well as tailing piles. The only hardrock occurrences are in the active open pits of placer mines.

Treeline in the surrounding area is at 3,500 ft. and characteristic vegetation consists of spruce and birch giving way to slide alder with mosses and lichens above 3,000 ft.

5. REGIONAL GEOLOGY

The Sixtymile River area is underlain by precambrian to paleozoic metasediments, metavolcanics and orthogneisses, which are intruded by an Upper Cretaceous biotitegranite as well as andesitic and granodioritic dykes and overlain by calcalkaline volcanic rocks (andesites - dacites, pyroclastica) and terrestrical sediments (siltstone, sandstone, white conglomerates) of Uppper Cretaceous age (Fig. 3, Tab. 2, GLASMACHER et al. 1987). Serpentinized ultramafic rocks are developed along thrust faults (p.c. Dr. J. MORTENSEN). Northeast - southwest striking pegmatites and aplites of unkown age occur in Miller and Glacier Creek. The Quarternary evolution is characterized by the intrusion of an alkaline-olivine-basalt dyke and the development of fluvial sediments intercalated with debris flows (HUGHES et al. 1986).

Table 2: Stratigraphic units in the Sixtymile River area

AREA	FORMATION	LITHOLOGIE northwest area	LITHOLOGIE southeast area
QUARTER-NARY	Selkirk Group	alluv sediments alkaline-olivine basalt	alluv sediments
TERTIARY - UP CRETA-CEOUS		andesites - dacites, pyroclastica, fluviale sedimentary rocks and dacitic dikes	andesitic - dacitic dikes
?	?		biotitegranite
?	?	pegmatitic and apilitic dikes	
PALAOZOIC - PRECAMBRIAN	Yukon Group	ultramafic rocks	
		orthogneiss	
		paragneiss, quarzites, quartzmicaschists, micaschists, graphitic schists, marble lenses	quartzites, quartz-micaschists, mica-schists
	Pelly Gneiss		augengneiss,garnet-micaschist gneiss

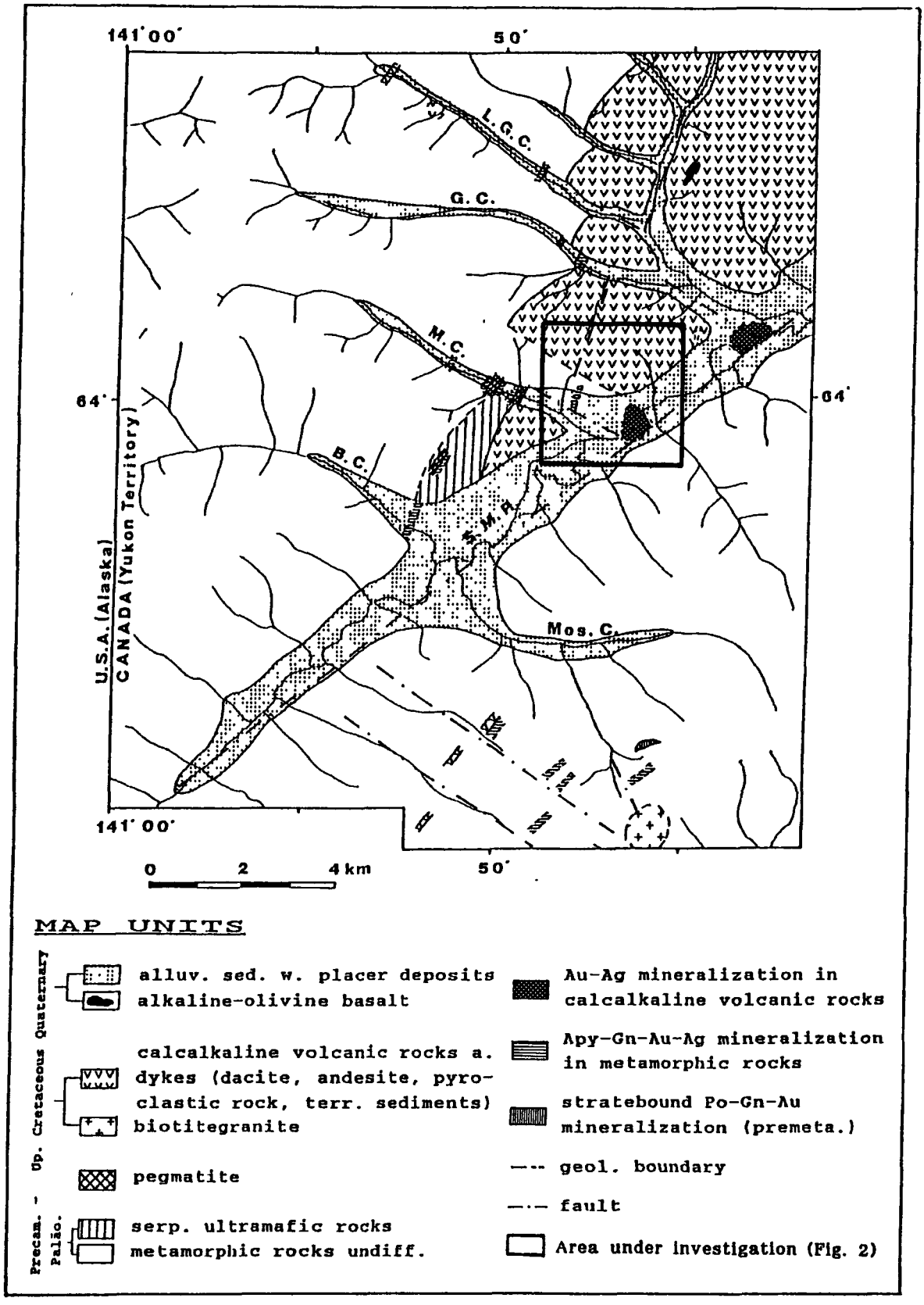


Fig. 3: Geological map of the Sixtymile River area (GLASMACHER et al. 1987)

The major lineament which devides the Sixtymile River area by geological means in a northern and a southern part is the northeast-southwest trending Sixtymile River Fault. Two other main fault systems are developed: a northnortheast-southsouthwest trending system and a northwest-southeast trending system.

6. MINERALIZATION

The gold-silver property Delia-Wendy is underlain by Upper Cretaceous calcalkaline andesites and pyroclastica and intruded by granodioritic dykes (Fig. 3; Fig. 4; Fig. 5; GLASMACHER et al. 1987). Mineralization mainly consists of stockwork and disseminated pyrite-gold enrichments as well as northwest-southeast trending gold-pyrite-arsenopyrite and silver-base metal veins (cm - dm) and veinlets (mm - cm). The mineralized area is normally overlain by gold-bearing quaternary alluvial sediments with an average thickness of 10 feet.

Gold-pyrite-arsenopyrite and silver-base metal mineralization at the property is generally accompanied by an inner quartz-phengite alteration zone, with a gradual transition into a kaolinite-carbonate-quartz zone (Fig. 5). Propylitic alteration marks the outer zone (Fig. 4). Instead of phengite adularia is developed in the inner zone adjacent to the silver-base metal veining.

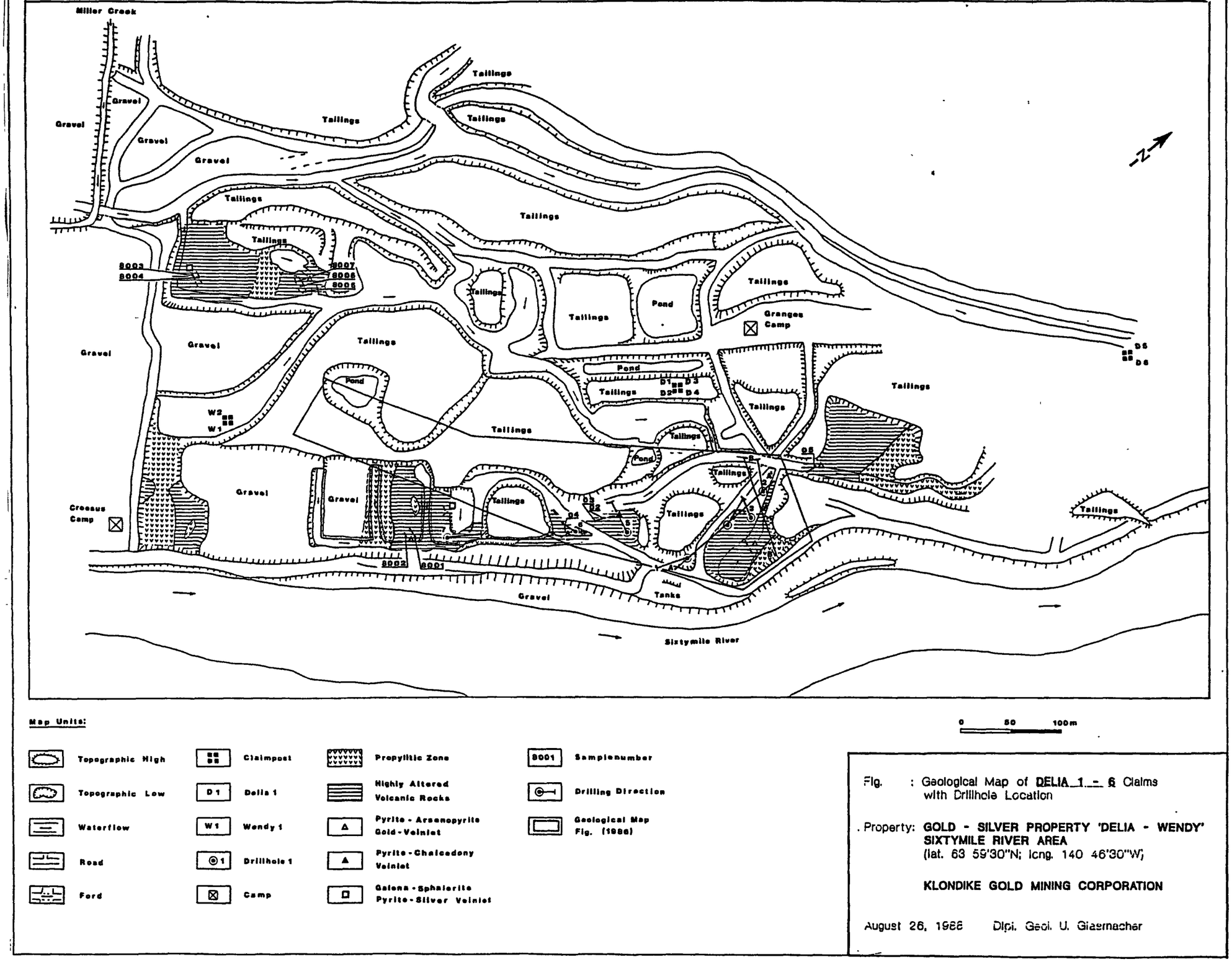


Fig. 4: Geological map on part of the gold-silver property Delia-Wendy

(■ Claimpost; ● Drillhole location)

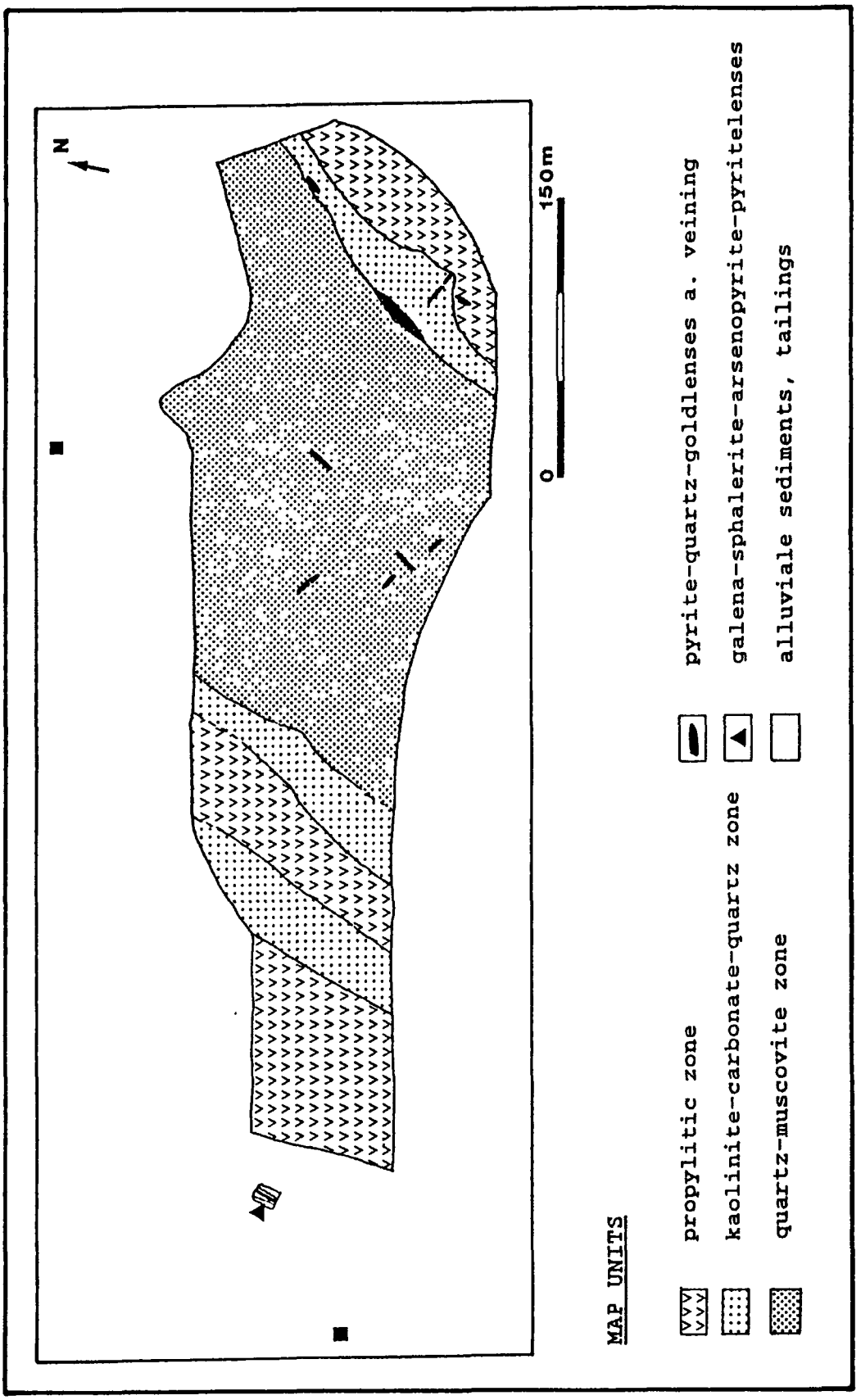


Fig. 5: Detailed geological map on part of the gold-silver property Delia-Wendy (GLASMACHER et al. 1987; ■ Claimpost)

Detailed geological, mineralogical and geochemical studies (GLASMACHER et al. 1987) in Sixtymile River area and on the property have been carried out between 1983 and 1987.
These studies point to three distinctive mineralization stages at the property (Fig. 6).
Stage I is characterized by trapping temperture of 135 °C, a salinity of 2 % NaCl equiv. and pyrite with gold inclusions as the prevalent mineral.
Stage II shows a trapping temperature of 295 °C, high salinity (trapped salt-, hematite- and sphalerite crystals) and pyrite with base metal- and minor amounts of gold inclusions (Fig. 7).
Trapping temperture of 275 °C as well as arsenopyrite and gold inclusions in pyrite characterize stage III (Fig. 6).
Boiling occured at all stages and is the main process which caused deposition of gold at the property.

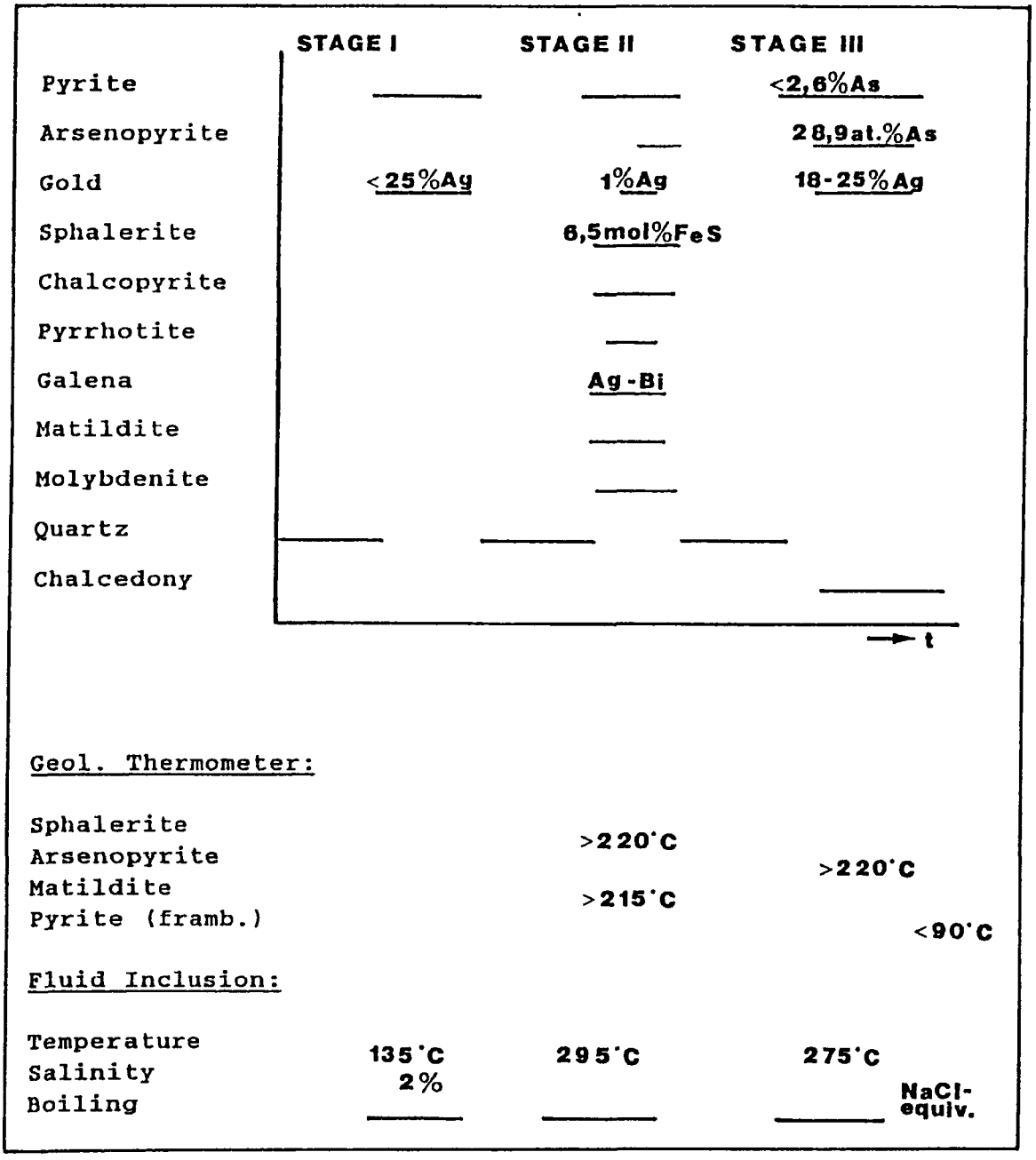


Fig. 6: Paragenetic sequence of gold-pyrite-arsenopyrite mineralization in volcanic rocks

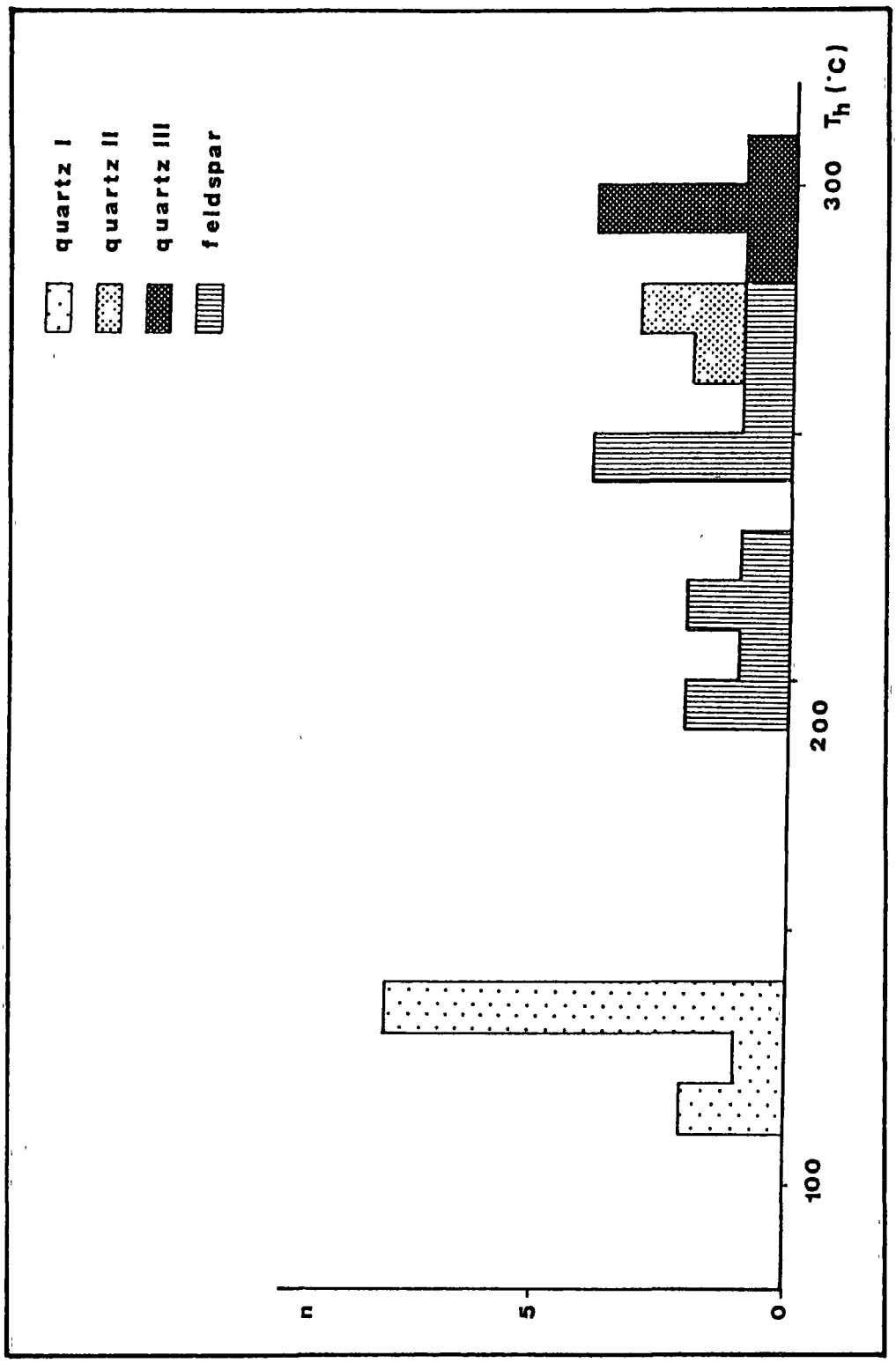


Fig. 7: Histogram of homogenization temperature for different stages

Main silver enrichment has been developed in silver-base metal mineralization during Stage III (Fig. 8). Fluid inclusion measurments on zoned sphalerites (Fig. 9) of stage III point to a homogenization temperature of 185 °C. Exsolution textures of matildite in galena (Stage II) point to a minimum formation temperature of 215 °C (Fig. 9).

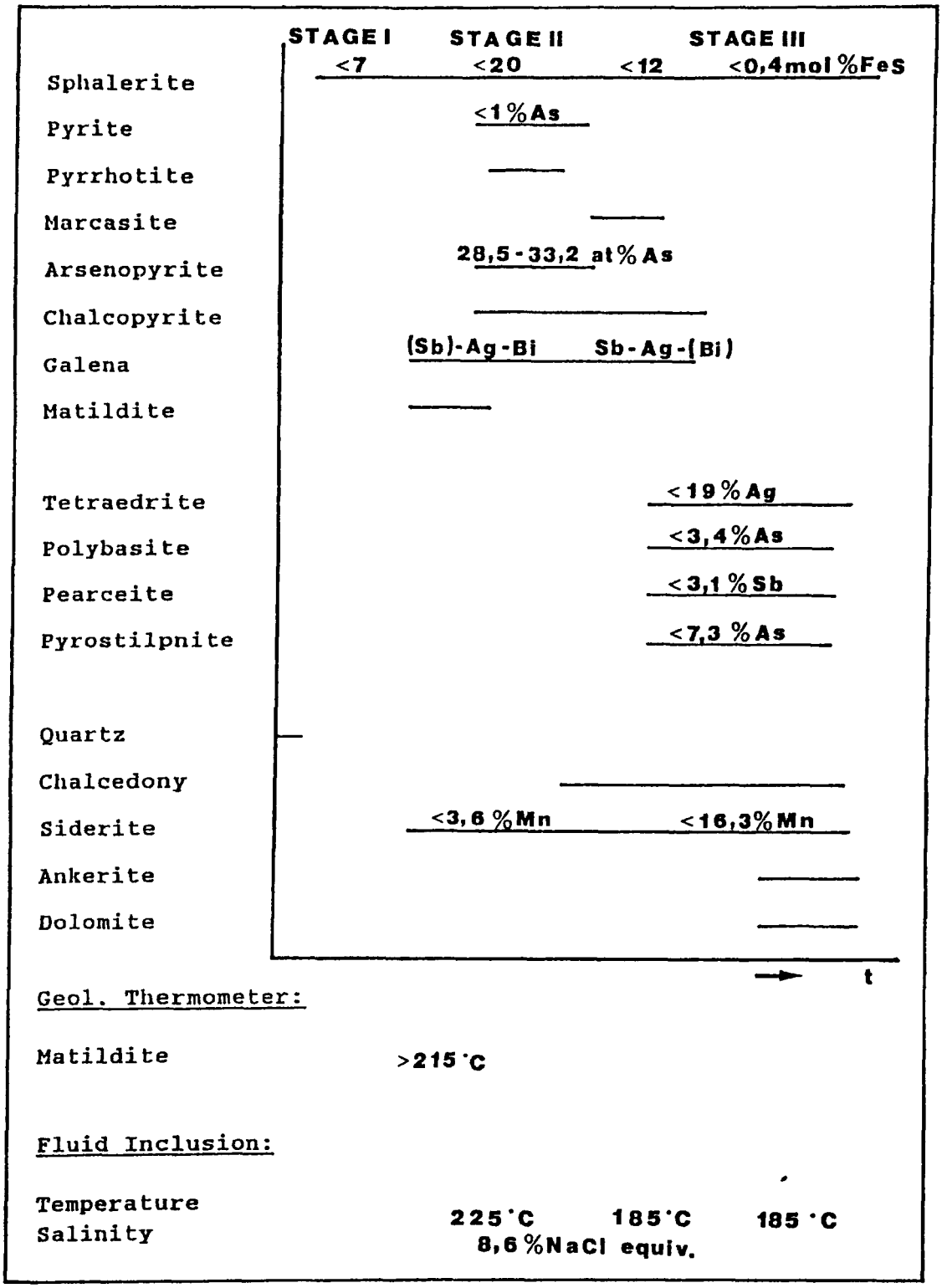


Fig. 8: Paragenetic sequence of sphalerite-galena-silver enrichment in volcanic rocks

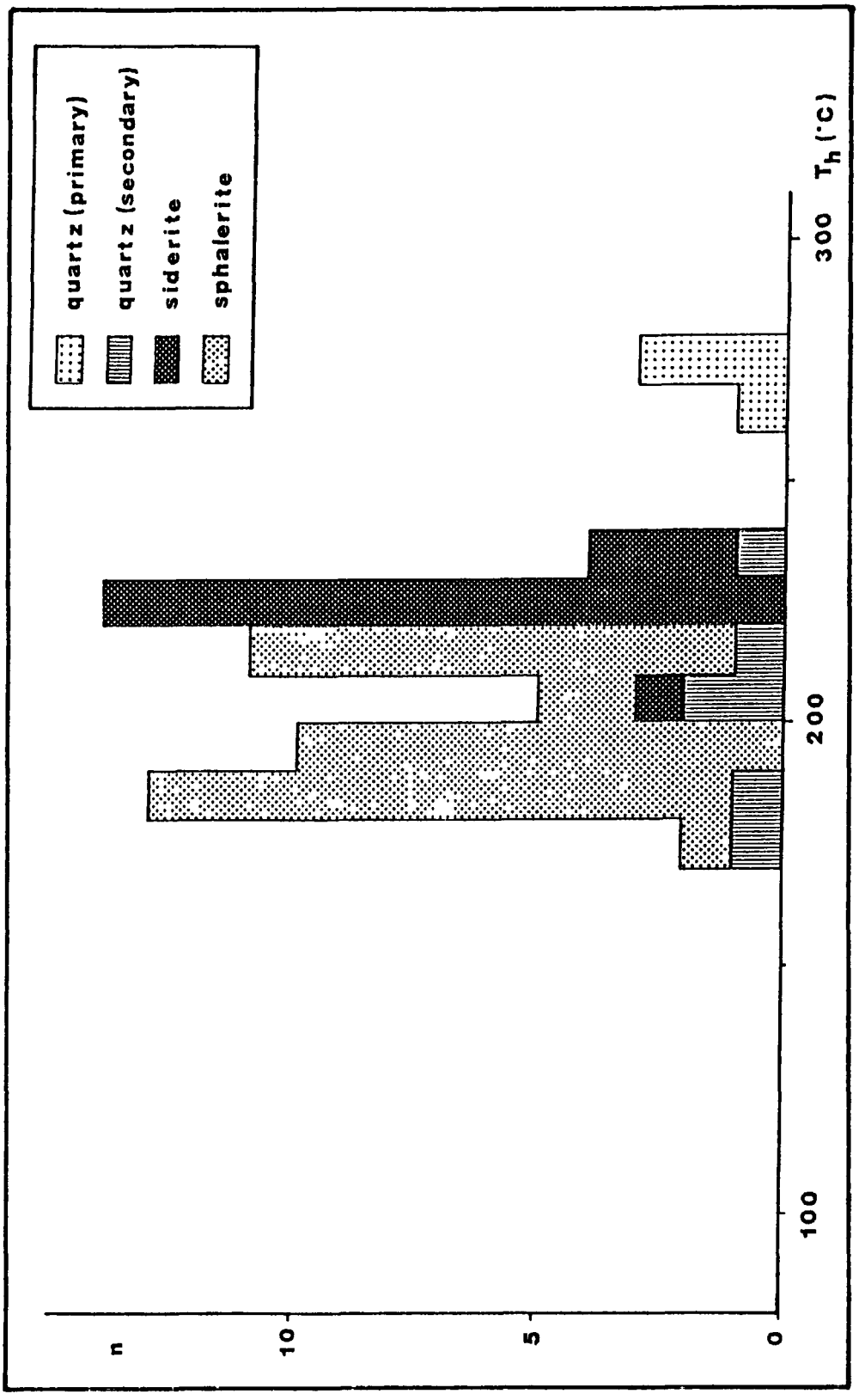


Fig. 9: Histogram of homogenization temperature in different mineralization stages

Geological, mineralogical and geochemical features of the mineralization at the property are similar to characteristics (HAYBA et al. 1985) of volcanic-hosted epithermal precious metal deposits of adularia-sericite-type gold-silver enrichments such as Creede, Colorado.

7. DIAMOND DRILLING

7.1. General remarks

The diamond drilling was contracted to Kluane Drilling Limited of Whitehorse.
Work commenced on July 21 and was completed on August 16. Core is stored at the placer property of Klondike Goldmining Corporation in Miller Creek.
All holes were drilled with NQ equipment. In general core recovery was good, averaging 95 %, with the exception of the first 10 feet. Sludge samples were not collected as drill mud was used in all holes to stabilize broken ground and prevent caving.
The core was logged in metric units and split in halve at the Camp of Klondike Goldmining Corporation. Meaning of drillhole name are as following:
D4 = Claimname Delia 4
88-04 = Year of drilling - 1988 - ; drillhole no. - 04;

Core box description, drill sheets with geochemical data and drill logs (Fig. 10 to Fig. 17) are enclosed as Appendix III, Appendix IV and Appendix V. Location of drill holes are illustrated on figures 4 and Appendix I. Two nearly perpendicular crossections (A - A'; B - B') are drawn (Fig. 18; Fig. 19; Appendix II). Crossection A - A' which includes drillhole D4/88-01 and D4/88-04 has a north - south striking direction where as crossection B - B' which includes drillhole D4/88-02 and D4/88-03 is drawn in east - west direction.
Column 'L' in drillogs represents the lithological description where as column 'A' represents the alteration description. While the aim of this exploration program was to testify the continuation of gold and silver enriched zones only gold and silver values are plotted along the drillogs (Appendix V; Fig. 10 to Fig. 17). Minor informations on the element correlation are given through the following text.

7.2. Assaying

In general samples were taken over 5 feet with special samples where narrow sulphide veinlets and a high distribution frequence of sulfide fissures occur. These samples have been send to Bondar-Clegg & Company Ltd., North Vancover, B.C. where a geochemical survey was done for 9 elements (gold, silver, arsenic, copper, molybdenum, lead, antimony, zinc and mercury). Those samples which exceed geochemical detection limit for gold have been reassayed in ounces per ton using standard assay procedures. The nine element package was choosen while:

- all these elements are enriched in parts of the property
- possible pathfinder elements as hinds to gold enriched zones useful for further exploration on and around the property have not been explored.

Assay results are listed in relation to the depth as Appendix VI. Values less than the lower detection limit are descriped by zero. Geochemical analytical techniques are descriped in Appendix VII.

7.3. Results

7.3.1. Lithology

Drilling has shown that the surface lithology, mineralization and alteration in general exhibit vertical continuation (Fig. 10 to Fig. 17; Appendix IV and V). The main lithological units are porphyritic to fine grained andesitic lava flows and pyroclastic rocks ranging in grain size between tuff and lapilli (minor agglomerate). Granodioritic dykes occur in drillhole D4/88-01 between 47.5 m and 63.8 m, in hole D4/88-03 between 53.9 m and 72.1 m as well as in hole D4/88-04 from 82.6 m to the final depth.

LEGENDE:


Tailings, overburden,


Pyroclastica,


Andesitic lava flow


Granodioritic dyke


Chilled margin of granodioritic dyke


Breccia


Stockwork (pyrite as well as chalcedony to quartz)


Silicification


Argillitization


Propylitization

L Description of lithology

A Description of alteration

Fig. 10: Legende for Fig. 11 to Fig. 17.

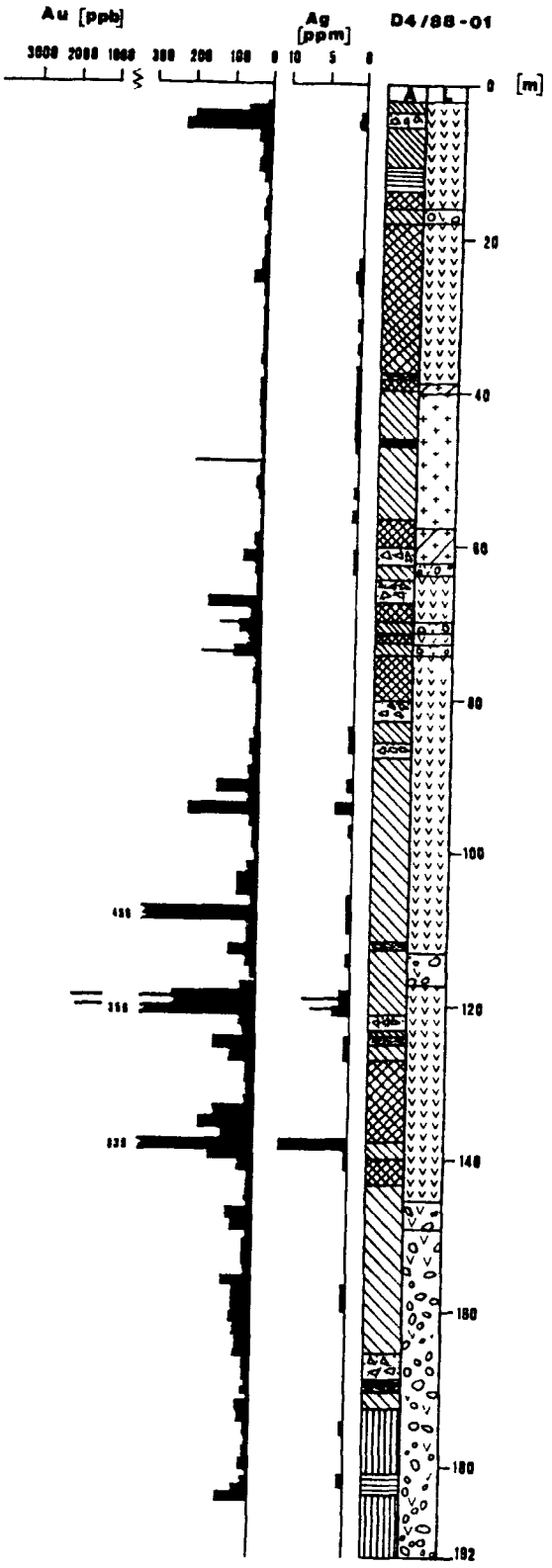


Fig. 11: Drill log of drillhole D4/88-01 with gold and silver distribution.

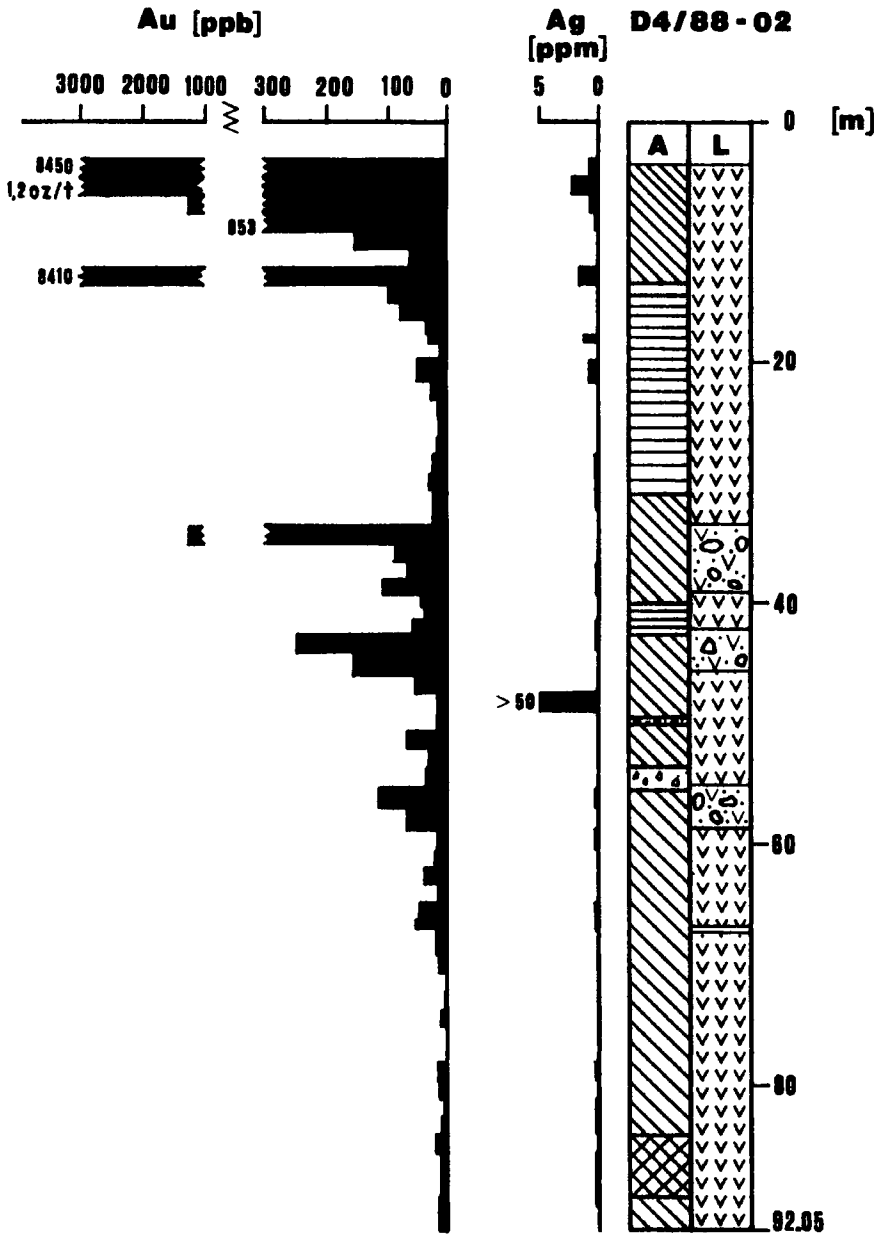


Fig. 12: Drill log of drillhole D4/88-02 with gold and silver distribution.

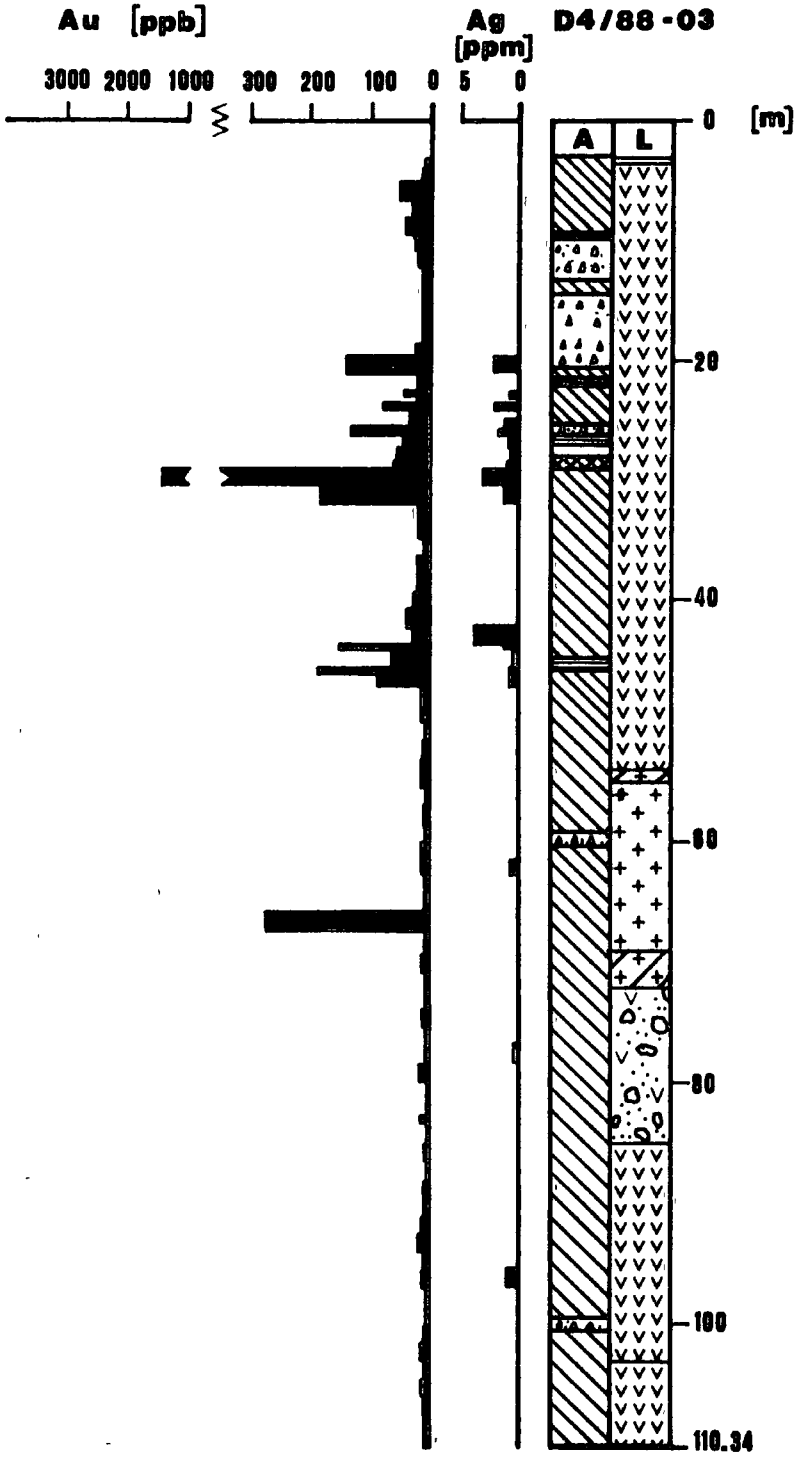


Fig. 13: Drill log of drillhole D4/88-03 with gold and silver distribution.

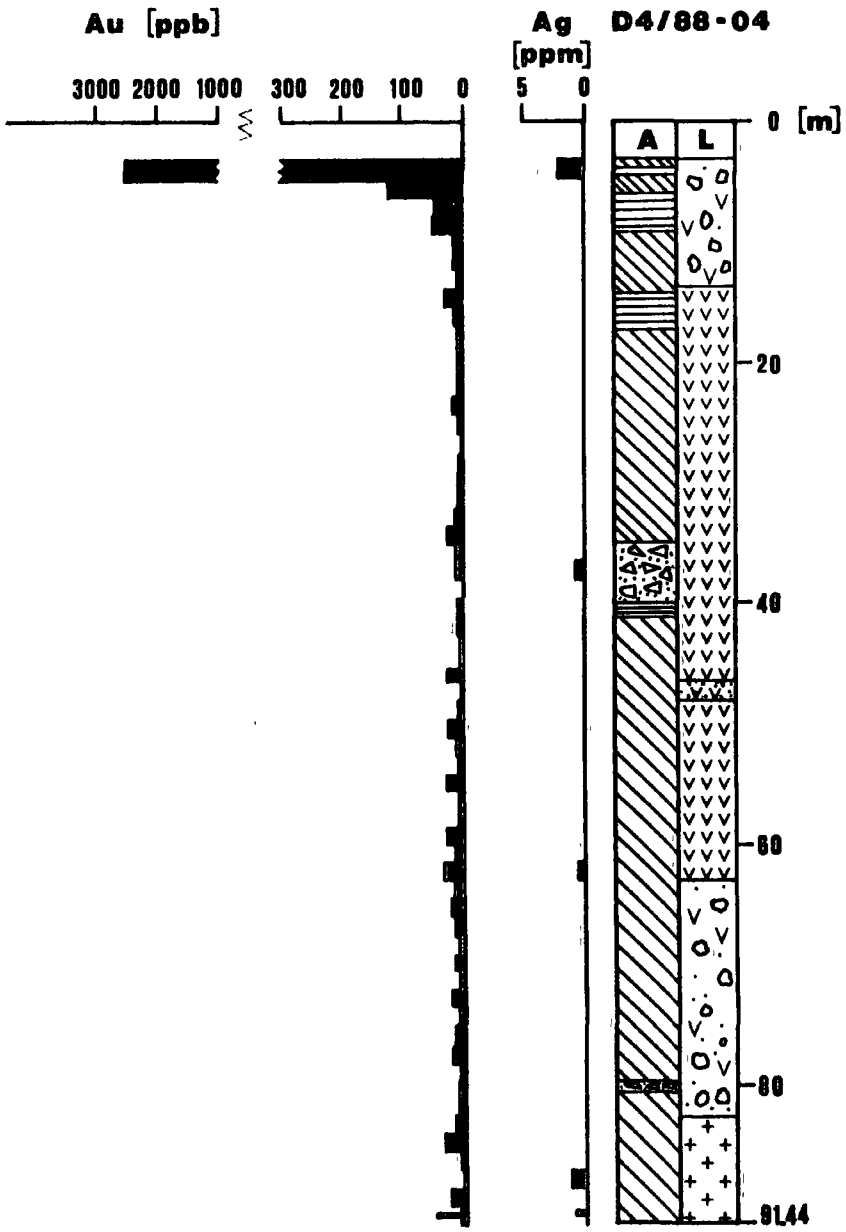


Fig. 14: Drill log of drillhole D4/88-04 with gold and silver distribution.

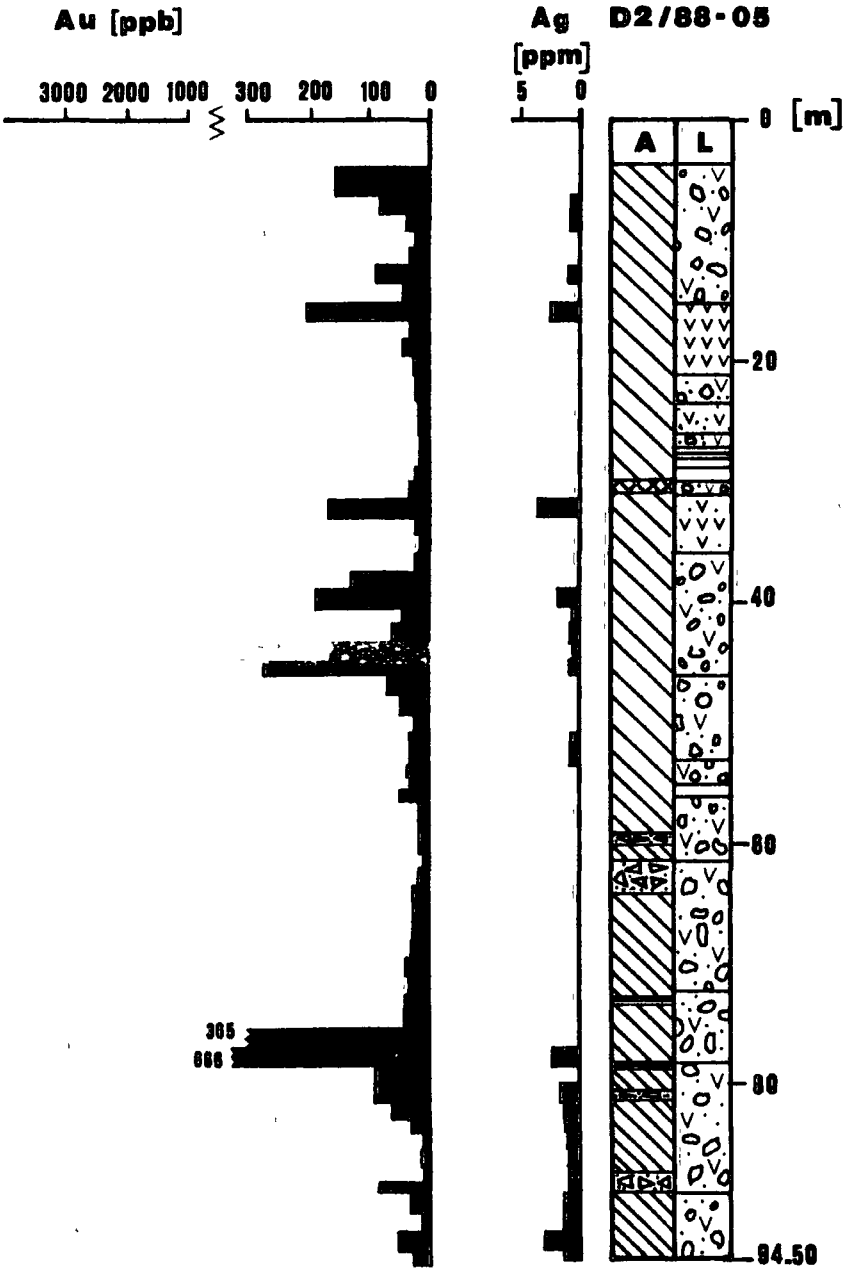


Fig. 15: Drill log of drillhole D2/88-05 with gold and silver distribution.

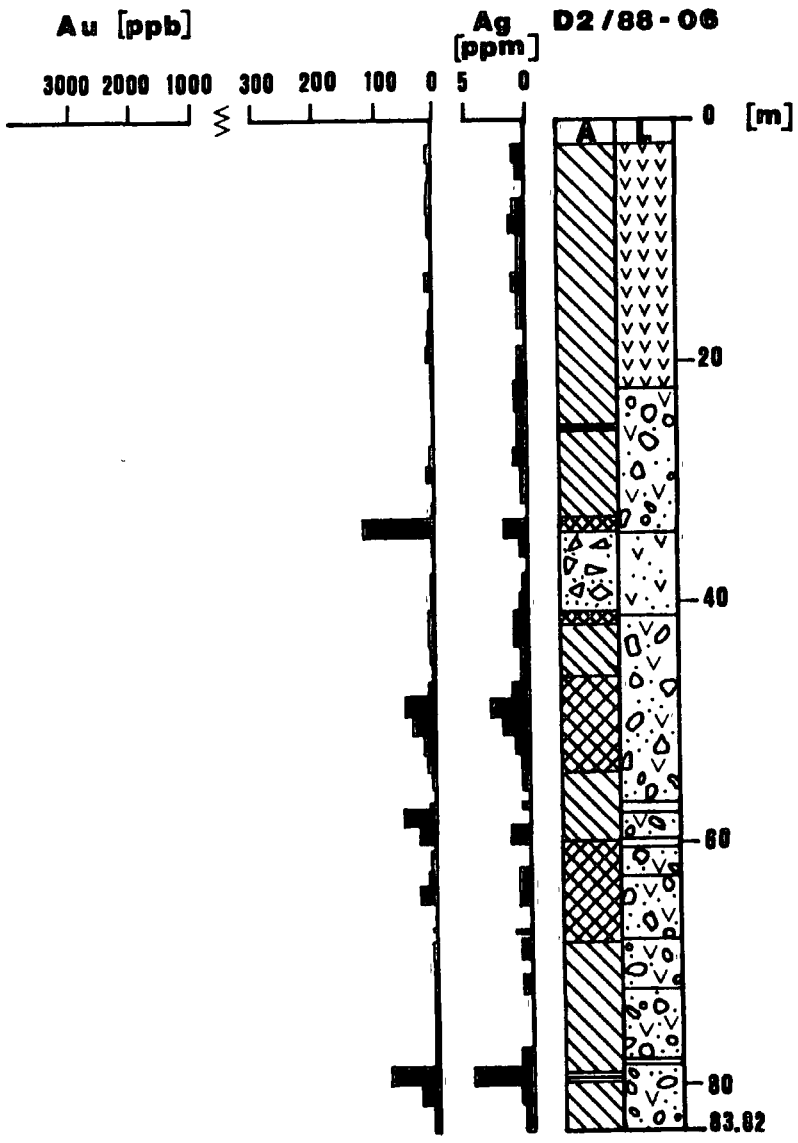


Fig. 16: Drill log of drillhole D2/88-06 with gold and silver distribution.

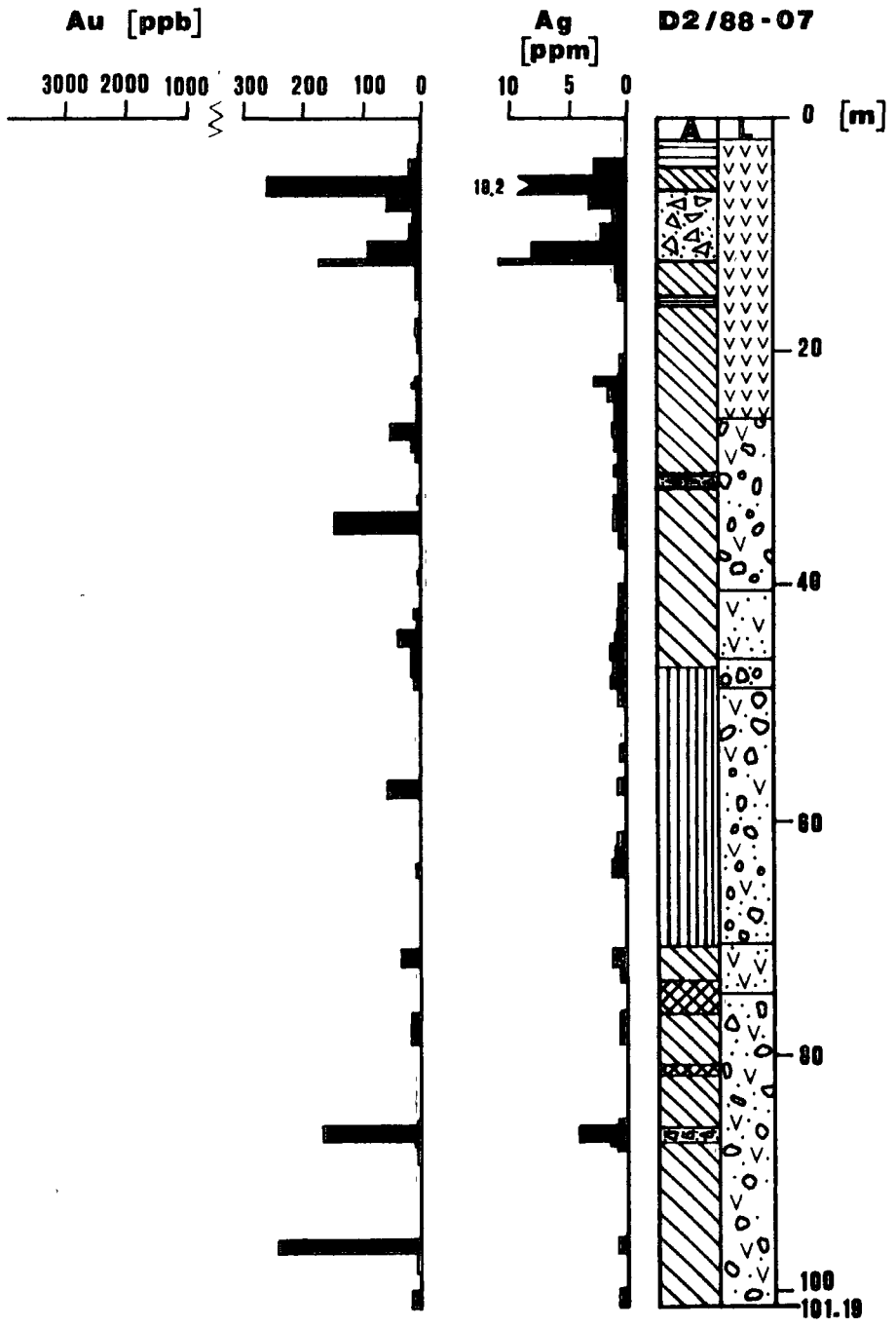


Fig. 17: Drill log of drillhole D2/88-07 with gold and silver distribution.

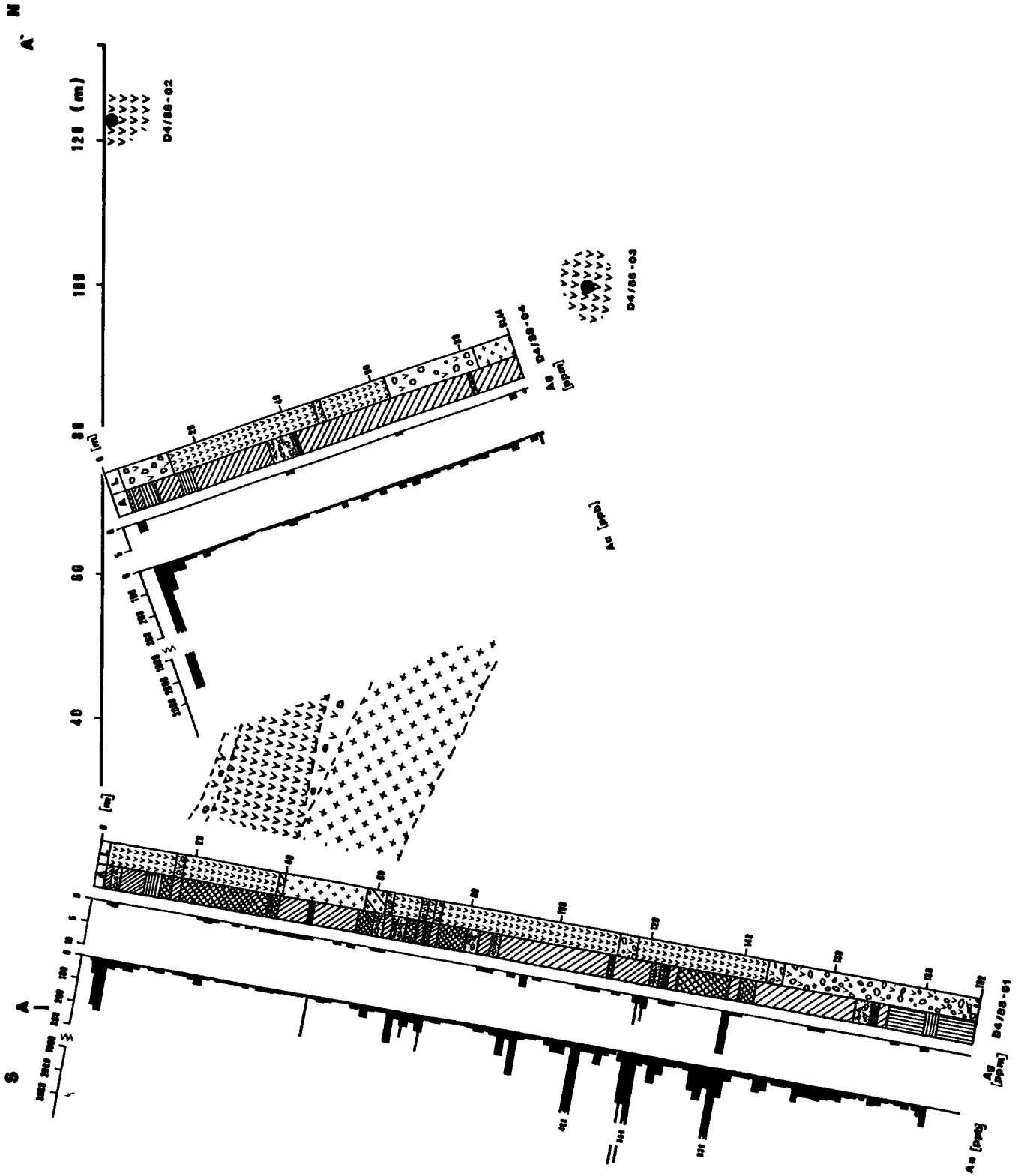


Fig. 18: North-South crossection (A-A').

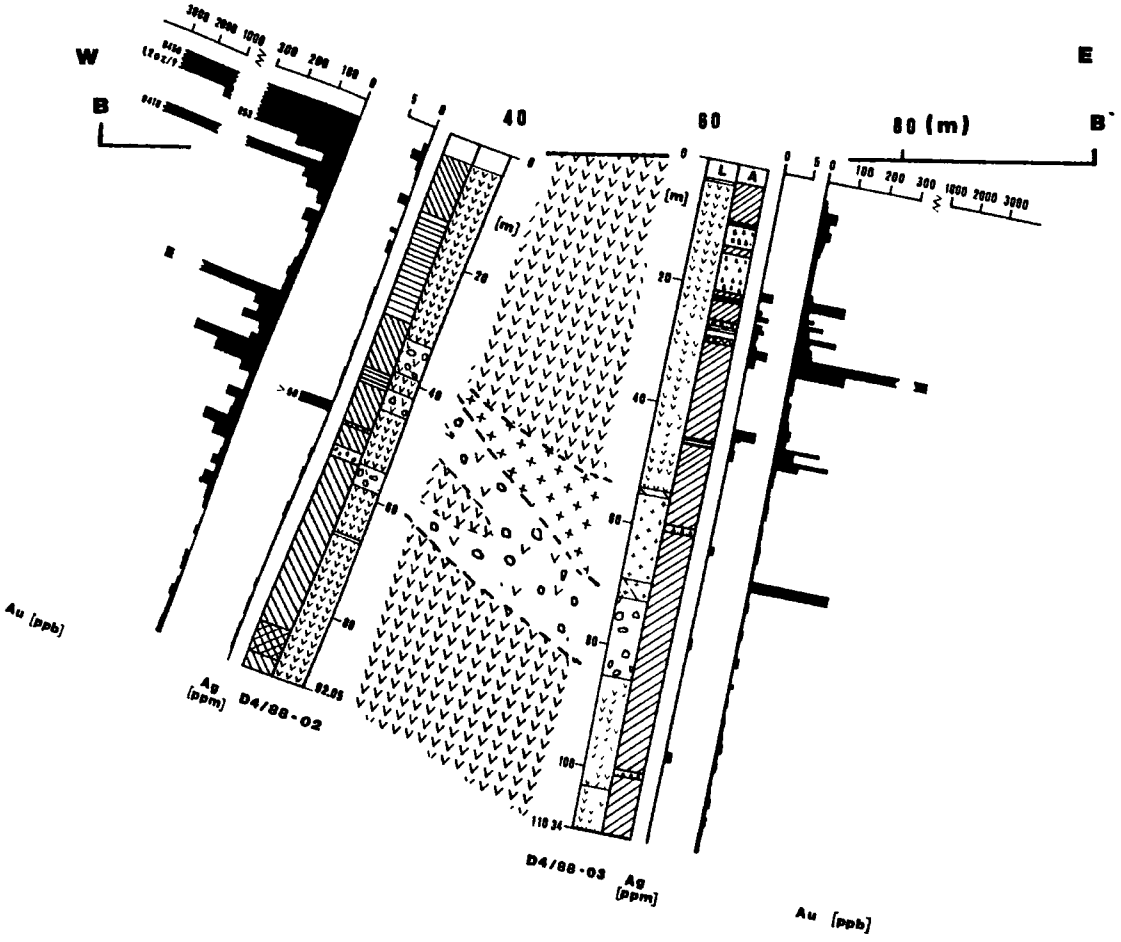


Fig. 19: East-West crossection (B-B').

7.3.2. Mineralization

Core mineralization consist of disseminated pyrite, stockwork-type pyrite- and chalcedonic enrichment as well as pyrite-quartz-carbonate and chalcedony fissures (< 1 mm) and veinlets (< 2 cm) sometimes with open cavities. Chalcedony fissures are often banded. Banded chalcedony veinlets are developed between 2 m - 22 m in drillhole D2/88-06. Similar banding are developed in drillhole D2/88-07 between 73.2 m and 89.6 m. These banding is often characterized by a sharpe contact on one side and a continues transition from chalcedonic fissure to silicified wallrock on the other side.

Two chalcedonic generations occur. The older one is represented by dark grey chalcedony where as the younger one is light grey to white in colour. In several veinlets pyrite is associated with chalcopyrite and arsenopyrite. Brecciation occur through all drillholes in different depth. Drillhole D4/88-02 intersects in 78.3 m depth a 5 cm wide breccia which is accompanied by pyrite banding at the wallrock.

A significant breccia zone has been intersected in drillhole D4/88-03 between 4.9 m and 22.3 m. Brecciation is often accompanied by open caveties filled with pyrite, carbonate or chalcedony (14.5 m - 15.1 m; drillhole D4/88-03). Matrix often consist of banded chalcedony, carbonates and diss. pyrite.

Between 44.0 and 44.3 m depth in hole D4/88-03 a younger generations of pyrite veinlets are crosscutting an older generation of pyrite veinlets. Both are crosscutted by a younger generation of chalcedonic veinlet. In other parts of the drillcore these younger chalcedonic generation is crosscuted by carbonate veinlets. These features are cohärent with results gain by mineralogical studies on surface rocksamples from part of the property (GLASMACHER et al. 1987).

Molybdenite, galena, silver and sphalerite enrichment as it has been seen by the author in 1987 on the surface has not been intersected during the drilling program.

7.3.3. Alteration

Alteration mainly consist of propylitisation, silicification and argillitization. A propylitic zone is developed between 172.8 m - 192.0 m in drillhole D4/88-01 and in hole D4/88-07 between 48.8 m and 63.1 m. In general gradual increase of alteration from propylitic to silicified rocks occur.

Silicification is developed through all the drillholes. Stronger silicification zones are accompanied by chalcedonic or pyrite stockwork or pyrite veinlets. Minor argillic alteration occur in all holes. Between 13.4 m and 30.8 m in drillhole D4/88-02 argillic alteration is well advanced.

Surface alteration pattern have been studied by using XRD- and XRF- techniques combined with thin sections (GLASMACHER et al. 1987). This has not been done during the exploration program 1988. Therefore the alteration description is based on the field core logging.

7.3.4. Geochemical survey

Using the gold and silver distribution of all drillholes two distinct groups are developed. Where as drillhole D4/88-01 to D2/88-05 are enriched in gold, drillhole D2/88-06 and D2/88-07 are general characterized by higher silver values. This pattern is cohärent with the results of the surface study done during 1985 - 1987 by the author. The area around D2/88-07 is general enriched in silver-base metal occurence. Where as the area around D4/88-01 to D4/88-04 is enriched in gold-pyrite-arsenopyrite occurence.

The highest gold values (1.2 oz/t over 1.5 m) have been intersected in drillhole D4/88-02 between 4.5 m and 6.0 m. Between 3.0 m and 15.0 m an average goldvalue of 7.1 ppm Au over 12.0 m has been detected. This zone is characterized by anomalous higher Zn (up to 6166 ppm) and Hg (up to 1000 ppb) values. Between 33.6 m and 35.1 m the goldvalue (D4/88-02) reaches 1.2 ppm Au over 1.5 m.
Between 47.5 m and 49.0 m in drillhole D4/88-02 the silver values exceeds the upper detection limit of 50 ppm Ag. With the exception of gold all other elements are enriched as well.

Gold is enriched between 66.7 m and 140.0 m in hole D4/88-01 with an maximum of 1.27 ppm (over 2.2 m) between 118.3 m and 120.5 m. Beside gold and silver (13.1 ppm over 2.2 m) arsenic, copper, lead, zinc and mercury are enriched.

A zone of gold enrichment occur in drillhole D4/88-03 between 28.7 m and 30.2 m. This gold enrichment is accompanied by a slight enrichment of arsenic, copper and zinc.

Gold enrichment (2.5 ppm) occur in drillhole D4/88-04 between 3.2 m and 4.7 m accompanied by higher copper values.

Two silver enriched zones have been intersected between 4.8 m - 6.3 m (18.2 ppm) and 12.0 m - 12.6 m (11.2 m) in drillhole D2/88-07. These higher silver values are accompanied

by higher arsenic, copper, molybdenum, lead, antimony, zinc and mercury values.

Minimum and maximum element values with standard deviation are shown in Figures 20 and Figures 21.

DRILLHOLE D4 88-01

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
MIN	7	0	0	3	0	6	0	12	5	0
MAX	1810	31.1	866	3260	48	951	192	1817	550	100
STD	239.57	3.30	96.36	308.40	5.82	110.71	21.67	231.48	49.16	19.70

DRILLHOLE 88-02

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
MIN	0	0	0	2	0	5	0	22	10	0
MAX	57300	80	367	668	109	3161	316	5166	4000	2778
STD	4885.32	5.29	62.49	91.30	13.76	406.65	39.75	909.23	136.81	349.19

DRILLHOLE 88-03

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
MIN	7	0	0	2	0	8	0	17	10	0
MAX	1394	1.8	134	119	22	868	12	981	290	127
STD	156.36	0.69	25.79	20.68	1.96	103.67	1.10	112.48	41.33	18.92

DRILLHOLE D4 88-04

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
MIN	5	0	0	3	0	7	0	37	10	0
MAX	2660	2.1	44	974	39	174	11	661	160	200
STD	328.58	0.32	9.46	126.14	5.17	33.80	3.12	92.45	35.63	26.62

Fig. 20: Minimum, maximum and standard deviation of studied elements in drillhole D4/88-01; D4/88-02; D4/88-03 and D4/88-04.

DRILLHOLE 88-05

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
MIN	9	0	0	8	0	0	0	39	0	0
MAX	666	5.5	86	374	16	153	12	671	45	122
STD	101.45	0.76	13.46	78.09	2.30	28.87	1.08	123.87	8.62	25.23

DRILLHOLE 88-06

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
MIN	0	0	0	5	0	5	0	58	5	0
MAX	124	4.6	109	89	9	127	.4	507	195	200
STD	21.50	0.77	16.62	13.32	1.52	12.58	4.60	35.62	33.70	48.06

DRILLHOLE 88-07

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
MIN	0	0	0	0	0	0	0	55	0	0
MAX	750	18.2	647	347	21	913	30	4900	590	320
STD	50.08	2.58	105.47	50.87	5.00	202.51	5.76	774.23	97.53	51.91

Fig. 21: Minimum, maximum and standard deviation of studied elements in drillhole D2/88-05, D2/88-06 and D2/88-07.

Correlation coefficient has been computed for all drillholes seperately (Fig. 22 to Fig. 24). Beside this correlation coefficient element correlation diagrams using the elements gold, silver, arsenic, copper, mercury and zinc have been plotted for those drillholes where a high correlation coefficient has been detected (Fig. 25 to Fig. 34). In general the positive correlation between gold and silver is moderate through nearly all drillholes with a clear sign of positive correlation where gold values are greater than 1,000 ppb. The exceptions (Ag high - Au low) occur when all other elements (As, Cu, Mo, Pb, Sb, Zn, Hg) are enriched. Therefore and in connection with the mineralogical knowledge on the silver distribution in the silver-galena-sphalerite occurence, these exceptions represent the smae or a simelar mineralization stage.

Interpretation of gold-arsenic positiv correlation has to take into account the same features as mentioned above. A clear positive correlation only occur in drillhole D4/88-01 and D2/88-05.

Where gold exceeds 1,000 ppb in drillhole D4/88-02 a positive correlation occur between mercury and gold.

The distribution pattern representing the relation between zinc and gold in D4/88-02 is simelar to the distribution pattern representing the relation between gold and mercury. Therefore and while a positive correlation between zinc and mercury exist it is possible that sphalerite occur with mercury as a trace element.

Correlations: Drillhole D4/88-01

	AU	AG	AS	CU	MO	PB	SB	ZN	HG
AU	1.0000	0.8182	0.7723	0.8430	0.0369	0.3701	0.4618	0.1707	0.6039
AG	0.8182	1.0000	0.8480	0.9317	-0.0129	0.3284	0.6900	0.1256	0.8594
AS	0.7723	0.8480	1.0000	0.7859	0.0443	0.3473	0.5723	0.2497	0.7919
CU	0.8430	0.9317	0.7859	1.0000	0.0318	0.3251	0.6791	0.1486	0.8515
MO	0.0369	-0.0129	0.0443	0.0318	1.0000	-0.0868	-0.0655	0.0239	0.0587
PB	0.3701	0.3284	0.3473	0.3251	-0.0868	1.0000	0.7048	0.3632	0.3336
SB	0.4618	0.6900	0.5723	0.6791	-0.0655	0.7048	1.0000	0.0717	0.6863
ZN	0.1707	0.1256	0.2497	0.1486	0.0239	0.3632	0.0717	1.0000	0.2799
HG	0.6039	0.8594	0.7919	0.8515	0.0587	0.3336	0.6863	0.2799	1.0000
AU	1.0000	0.8182	0.7723	0.8430	0.0369	0.3701	0.4618	0.1707	0.6039

Correlations: Drillhole D4/88-02

	AU	AG	AS	CU	MO	PB	SB	ZN	HG
AU	1.0000	0.7679	0.8115	-0.0136	0.3247	0.0063	-0.0774	0.6739	0.6441
AG	0.7679	1.0000	0.7825	0.0485	0.3051	0.3588	-0.0009	0.6678	0.5729
AS	0.8115	0.7825	1.0000	0.0506	0.2755	0.2586	0.0313	0.3418	0.3511
CU	-0.0136	0.0485	0.0506	1.0000	0.2901	-0.0674	0.2363	0.0009	-0.0666
MO	0.3247	0.3051	0.2755	0.2901	1.0000	0.1427	0.1670	0.3716	0.4300
PB	0.0063	0.3588	0.2586	-0.0674	0.1427	1.0000	0.2332	0.0369	0.0317
SB	-0.0774	-0.0009	0.0313	0.2363	0.1670	0.2332	1.0000	-0.0669	-0.0230
ZN	0.6739	0.6678	0.3418	0.0009	0.3716	0.0369	-0.0669	1.0000	0.8697
HG	0.6441	0.5729	0.3511	-0.0666	0.4300	0.0317	-0.0230	0.8697	1.0000
AU	1.0000	0.7679	0.8115	-0.0136	0.3247	0.0063	-0.0774	0.6739	0.6441

Correlations: Drillhole D4/88-03

	AU	AG	AS	CU	MO	PB	SB	ZN	HG
AU	1.0000	0.5228	0.5398	0.6358	-0.0402	0.0630	-0.0206	0.0235	-0.0457
AG	0.5228	1.0000	0.6482	0.5303	0.1681	0.7451	0.3151	0.5693	0.1247
AS	0.5398	0.6482	1.0000	0.5416	0.3269	0.2542	0.1380	0.1265	0.2574
CU	0.6358	0.5303	0.5416	1.0000	0.1777	0.2404	0.2584	0.2113	0.2087
MO	-0.0402	0.1681	0.3269	0.1777	1.0000	0.2322	0.4577	0.1531	0.2408
PB	0.0630	0.7451	0.2542	0.2404	0.2322	1.0000	0.4812	0.8665	0.2230
SB	-0.0206	0.3151	0.1380	0.2584	0.4577	0.4812	1.0000	0.4421	0.2138
ZN	0.0235	0.5693	0.1265	0.2113	0.1531	0.8665	0.4421	1.0000	0.2428
HG	-0.0457	0.1247	0.2574	0.2087	0.2408	0.2230	0.2138	0.2428	1.0000
AU	1.0000	0.5228	0.5398	0.6358	-0.0402	0.0630	-0.0206	0.0235	-0.0457

Fig. 22: Correlation coefficient for all studied elements of drillhole D4/88-01, D4/88-02 and D4/88-03.

Correlations: Drillhole D4/88-04

	AU	AG	AS	CU	MO	PB	SB	ZN	HG
AU	1.0000	0.7984	0.1577	0.9871	-0.0597	0.0627	0.3849	0.0439	0.0406
AG	0.7984	1.0000	0.4247	0.7856	0.0110	0.3263	0.4369	0.3052	0.3211
AS	0.1577	0.4247	1.0000	0.1399	-0.0735	0.1171	0.1435	-0.0302	0.2572
CU	0.9871	0.7856	0.1399	1.0000	-0.0610	0.0350	0.3912	0.0277	0.0884
MO	-0.0597	0.0110	-0.0735	-0.0610	1.0000	0.0474	-0.0208	0.1993	0.0530
PB	0.0627	0.3263	0.1171	0.0350	0.0474	1.0000	0.2303	0.6806	0.0750
SB	0.3849	0.4369	0.1435	0.3912	-0.0208	0.2303	1.0000	0.1699	0.2341
ZN	0.0439	0.3052	-0.0302	0.0277	0.1993	0.6806	0.1699	1.0000	0.2642
HG	0.0406	0.3211	0.2572	0.0884	0.0530	0.0750	0.2341	0.2642	1.0000
AU	1.0000	0.7984	0.1577	0.9871	-0.0597	0.0627	0.3849	0.0439	0.0406

Correlations: Drillhole D2/88-05

	AU	AG	AS	CU	MO	PB	SB	ZN	HG
AU	1.0000	0.4335	0.5796	0.6744	0.2875	0.1388	-0.0583	0.0628	0.1136
AG	0.4335	1.0000	0.4127	0.2605	0.1173	0.3744	0.0973	0.1925	0.0726
AS	0.5796	0.4127	1.0000	0.3326	0.2210	0.4057	-0.0757	0.1483	-0.0790
CU	0.6744	0.2605	0.3326	1.0000	0.1137	-0.1137	0.0007	0.1399	0.0140
MO	0.2875	0.1173	0.2210	0.1137	1.0000	0.1351	-0.1343	0.0741	0.2043
PB	0.1388	0.3744	0.4057	-0.1137	0.1351	1.0000	-0.0561	0.6480	0.2725
SB	-0.0583	0.0973	-0.0757	0.0007	-0.1343	-0.0561	1.0000	-0.0937	-0.0294
ZN	0.0628	0.1925	0.1483	0.1399	0.0741	0.6480	-0.0937	1.0000	0.4871
HG	0.1136	0.0726	-0.0790	0.0140	0.2043	0.2725	-0.0294	0.4871	1.0000
AU	1.0000	0.4335	0.5796	0.6744	0.2875	0.1388	-0.0583	0.0628	0.1136

Correlations: Drillhole D2/88-06

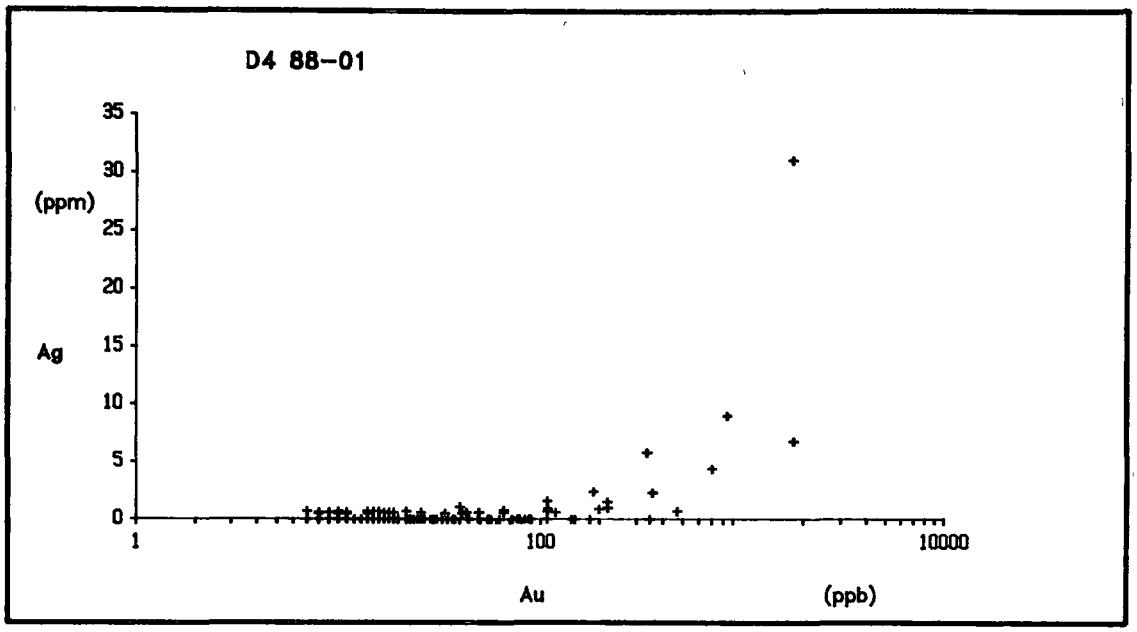
	AU	AG	AS	CU	MO	PB	SB	ZN	HG
AU	1.0000	0.6557	0.6995	0.3254	0.3884	0.3619	-0.0427	0.3738	0.1065
AG	0.6557	1.0000	0.3217	0.4040	0.4833	0.5303	0.0479	0.3868	-0.0669
AS	0.6995	0.3217	1.0000	0.3064	0.4407	0.3827	-0.0753	0.3959	0.0161
CU	0.3254	0.4040	0.3064	1.0000	0.4058	0.2780	-0.0413	0.0734	-0.1496
MO	0.3884	0.4833	0.4407	0.4058	1.0000	0.2560	-0.1085	-0.0082	-0.1381
PB	0.3619	0.5303	0.3827	0.2780	0.2560	1.0000	0.0878	0.7594	-0.0476
SB	-0.0427	0.0479	-0.0753	-0.0413	-0.1085	0.0878	1.0000	0.0397	-0.1586
ZN	0.3738	0.3868	0.3959	0.0734	-0.0082	0.7594	0.0397	1.0000	-0.0248
HG	0.1065	-0.0669	0.0161	-0.1496	-0.1381	-0.0476	-0.1586	-0.0248	1.0000
AU	1.0000	0.6557	0.6995	0.3254	0.3884	0.3619	-0.0427	0.3738	0.1065

Fig. 23: Correlation coefficient for all studied elements of drillhole D4/88-04, D2/88-05 and D2/88-06.

Correlations: D2/88-07

	AU	AG	AS	CU	MO	PB	SB	ZN	HG
AU	1.0000	0.7465	0.7282	0.6590	0.2603	0.6562	0.7111	0.7267	0.5056
AG	0.7465	1.0000	0.9467	0.9279	0.3728	0.7973	0.8288	0.9559	0.7225
AS	0.7282	0.9467	1.0000	0.9199	0.3703	0.7340	0.8234	0.9727	0.7507
CU	0.6590	0.9279	0.9199	1.0000	0.3277	0.6949	0.8082	0.9097	0.7054
MO	0.2603	0.3728	0.3703	0.3277	1.0000	0.3432	0.3734	0.3582	0.1959
PB	0.6562	0.7973	0.7340	0.6949	0.3432	1.0000	0.6882	0.7825	0.5864
SB	0.7111	0.8288	0.8234	0.8082	0.3734	0.6882	1.0000	0.8212	0.6297
ZN	0.7267	0.9559	0.9727	0.9097	0.3582	0.7825	0.8212	1.0000	0.7273
HG	0.5056	0.7225	0.7507	0.7054	0.1959	0.5864	0.6297	0.7273	1.0000
AU	1.0000	0.7465	0.7282	0.6590	0.2603	0.6562	0.7111	0.7267	0.5056

Fig. 24: Correlation coefficient for all studied elements of drillhole D2/88-07.



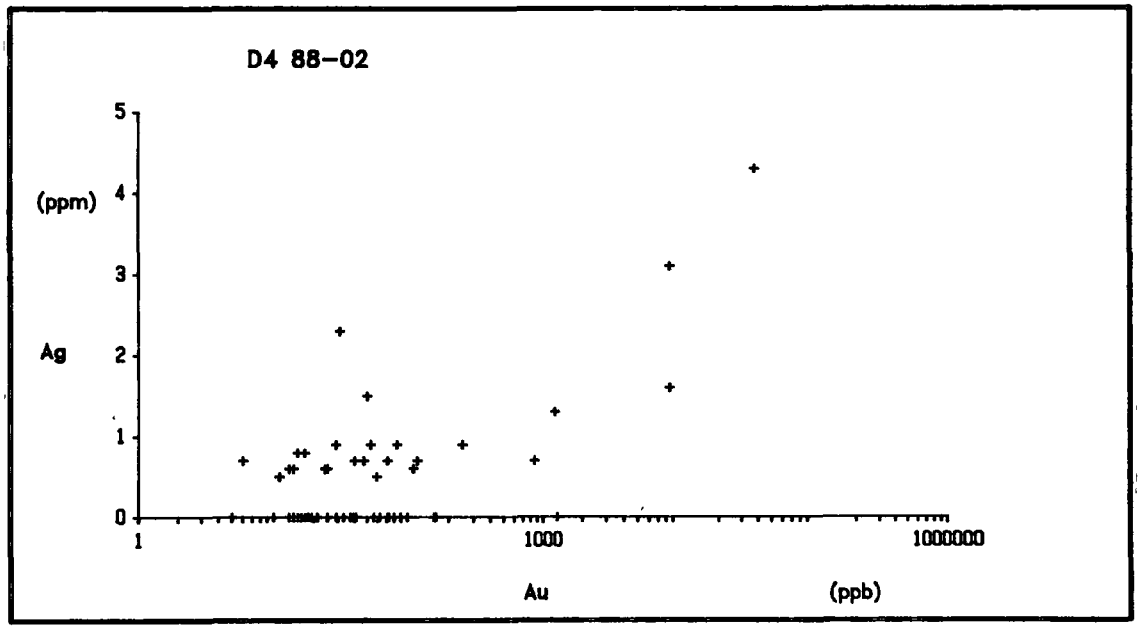
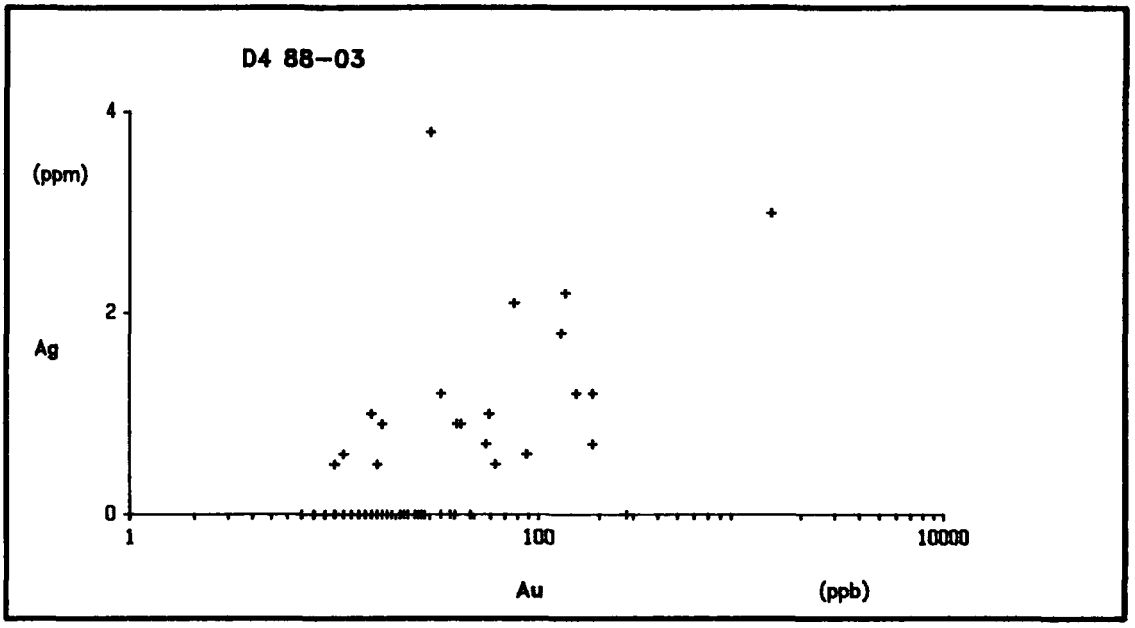


Fig. 25: Relation between gold and silver distribution in drillhole D4/88-01 and D4/88-02.



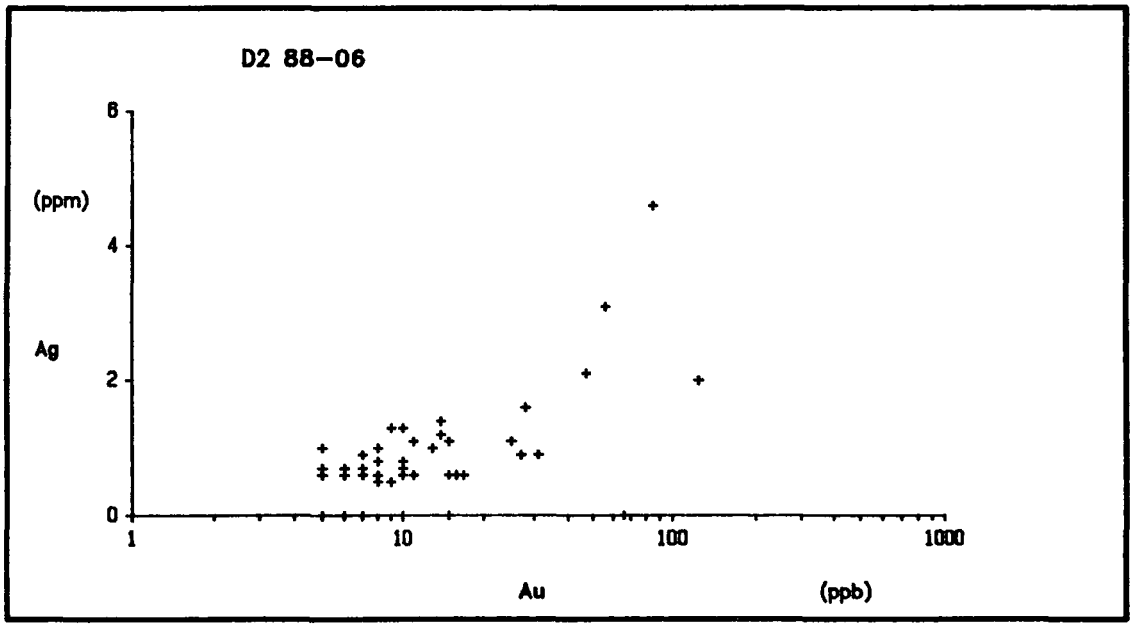


Fig. 26: Relation between gold and silver distribution in drillhole D4/88-03 and D4/88-06.

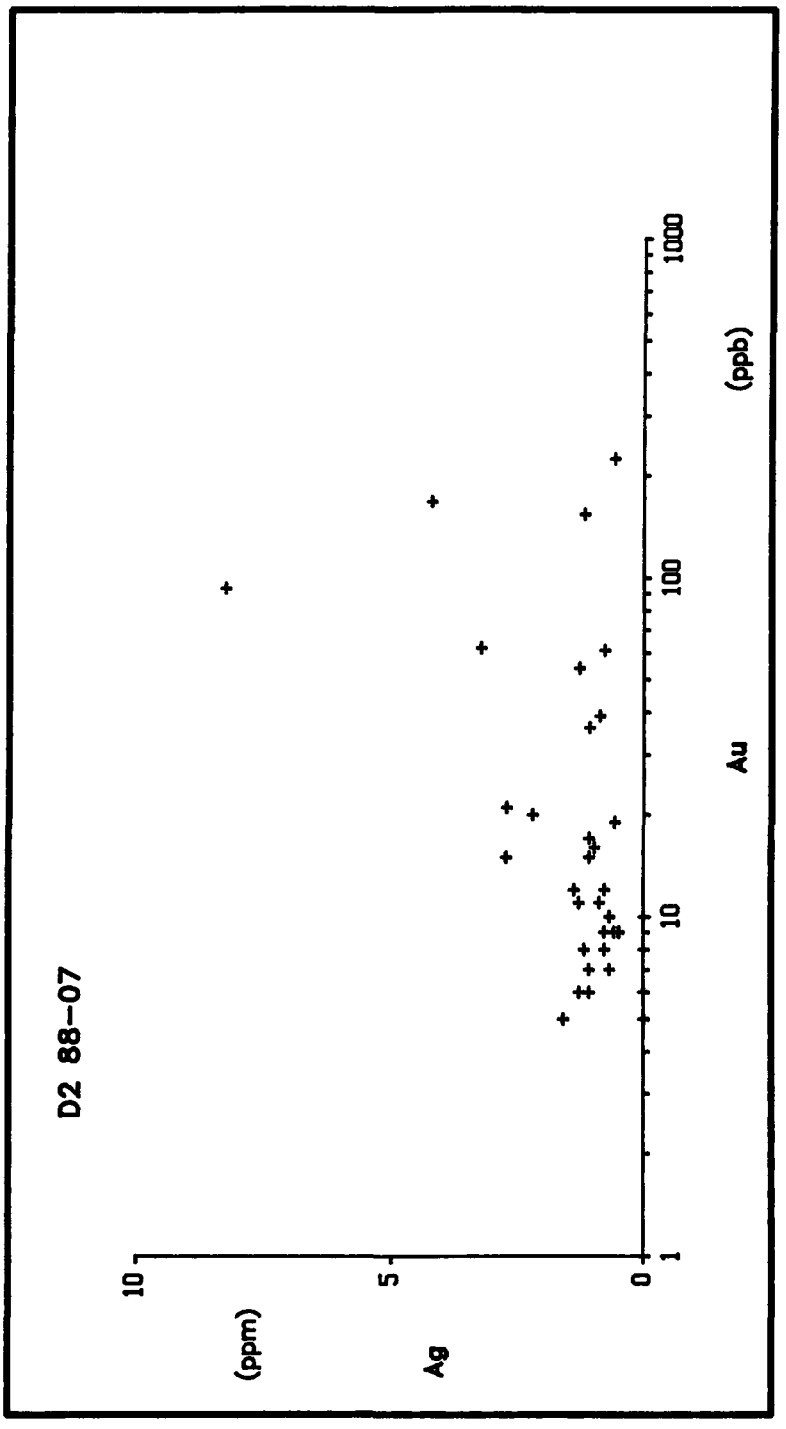
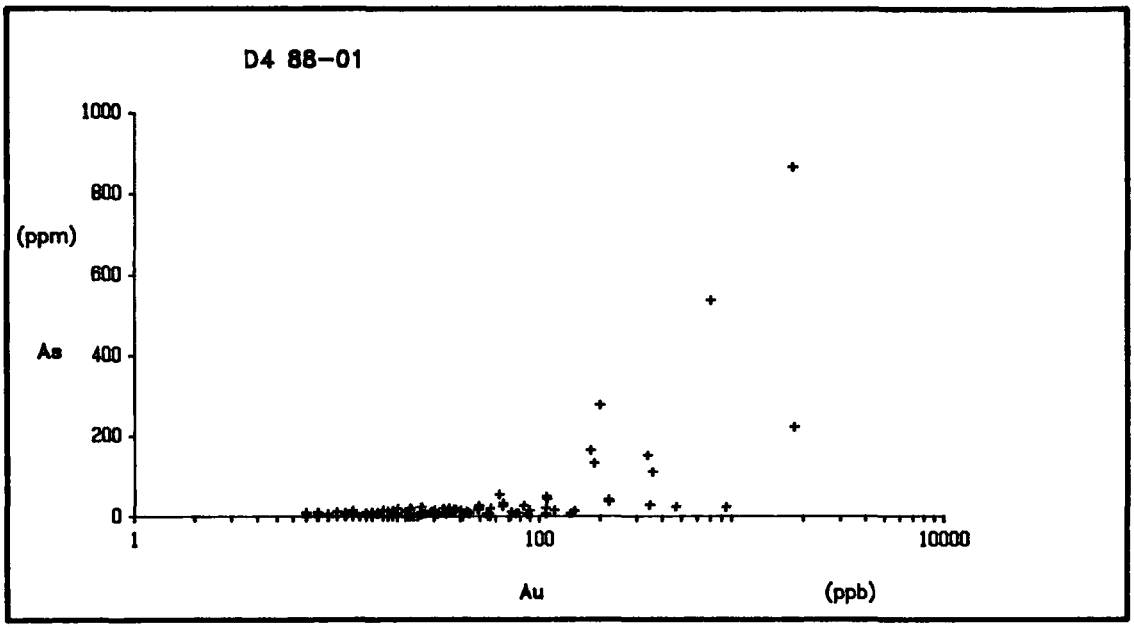


Fig. 27: Relation between gold and silver distribution in drillhole D4/88-07.



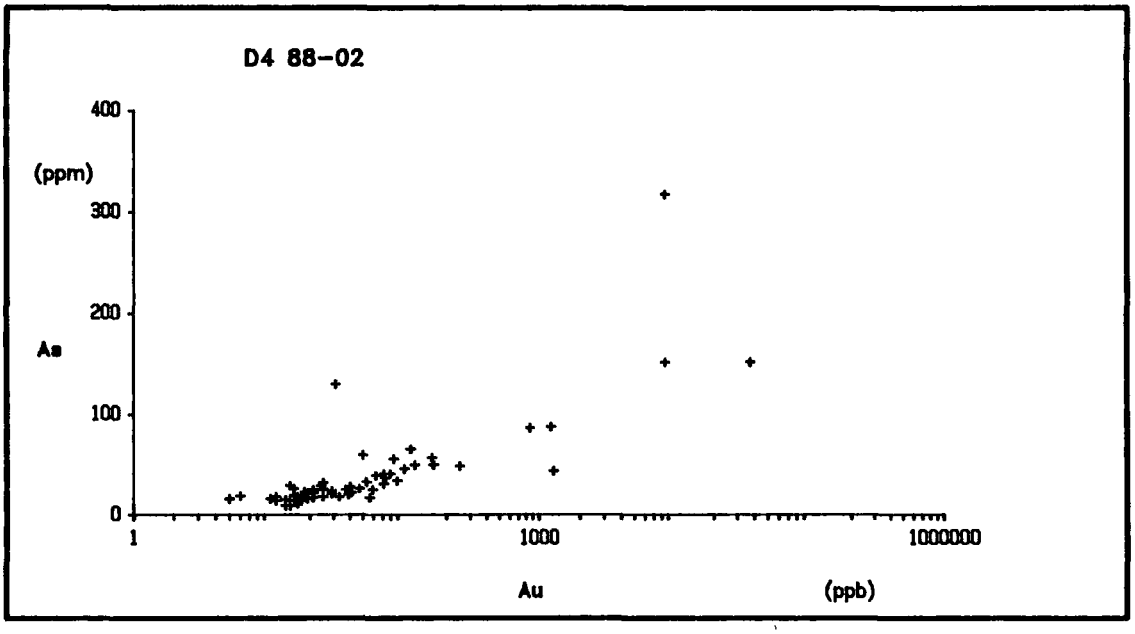
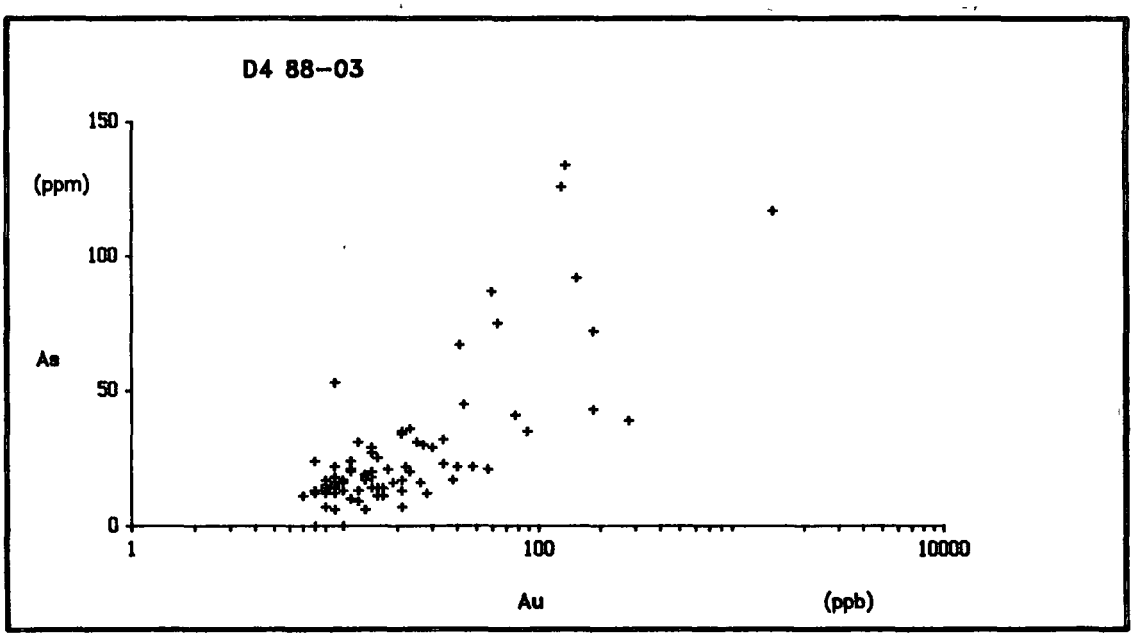


Fig. 28: Relation between gold and arsenic distribution in drillhole D4/88-01 and D4/88-02.



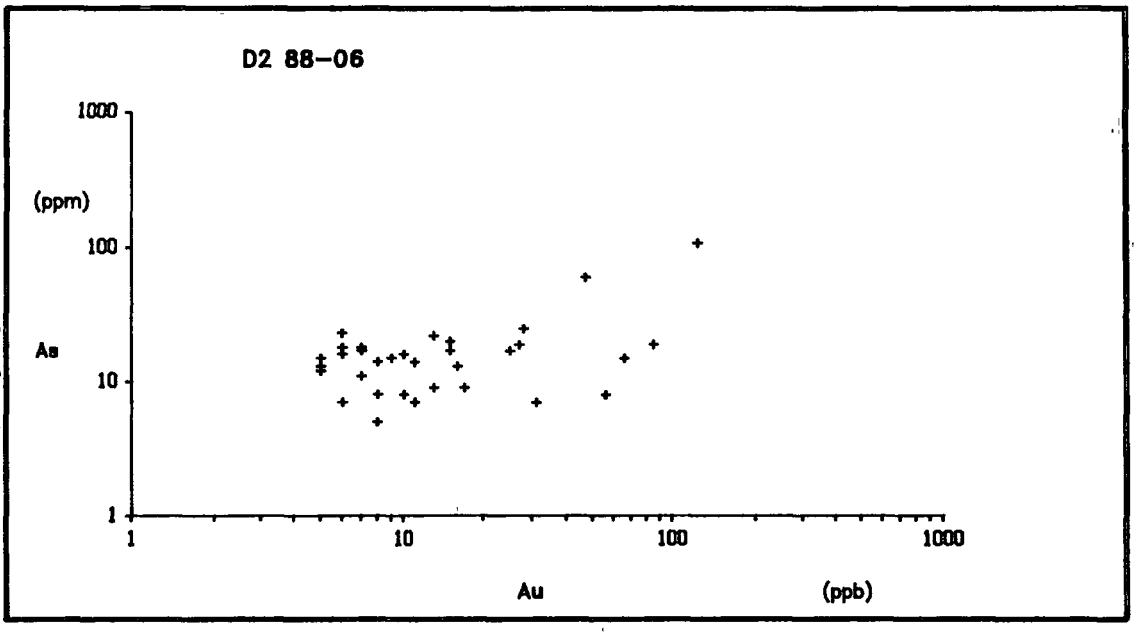


Fig. 29: Relation between gold and arsenic distribution in drillhole D4/88-03 and D4/88-06.

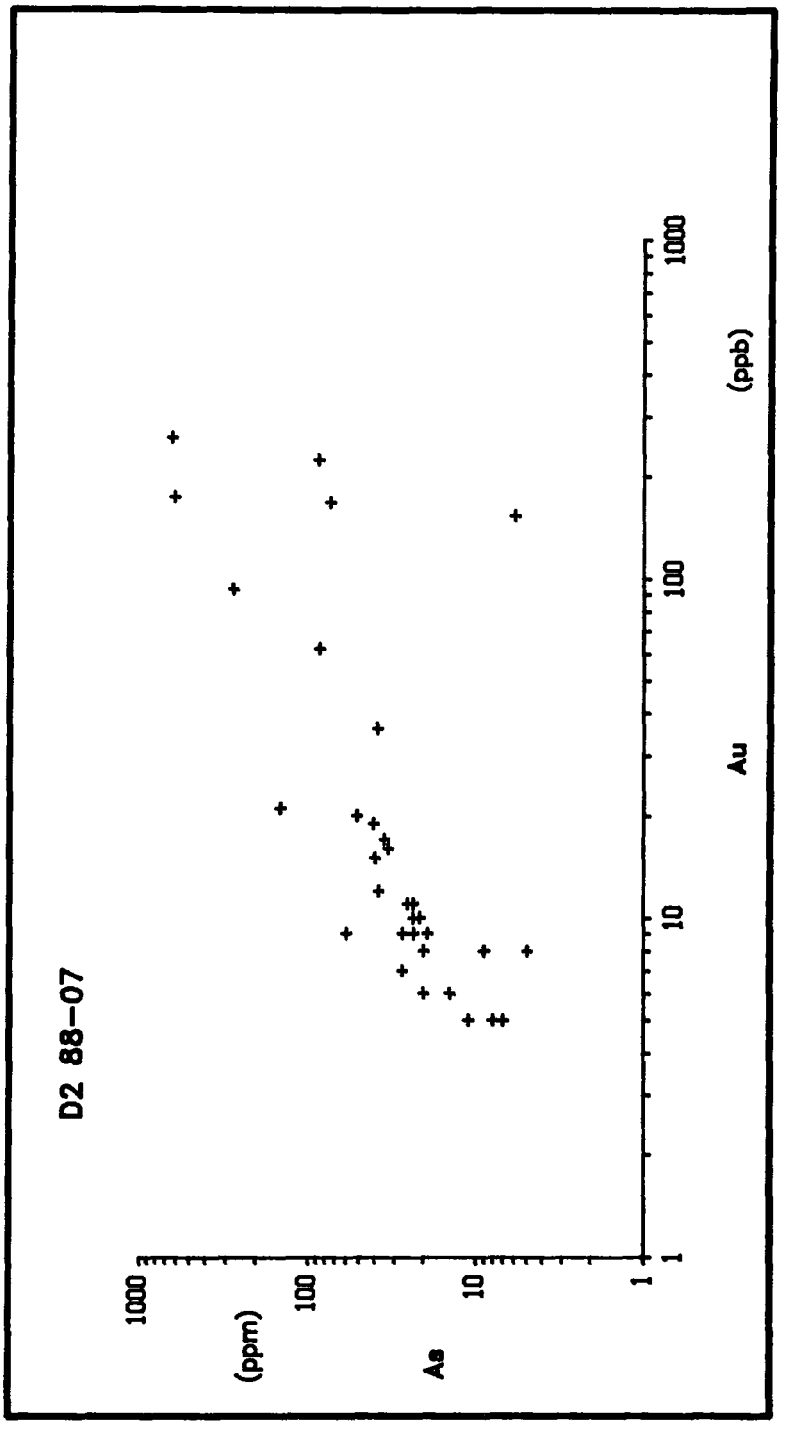
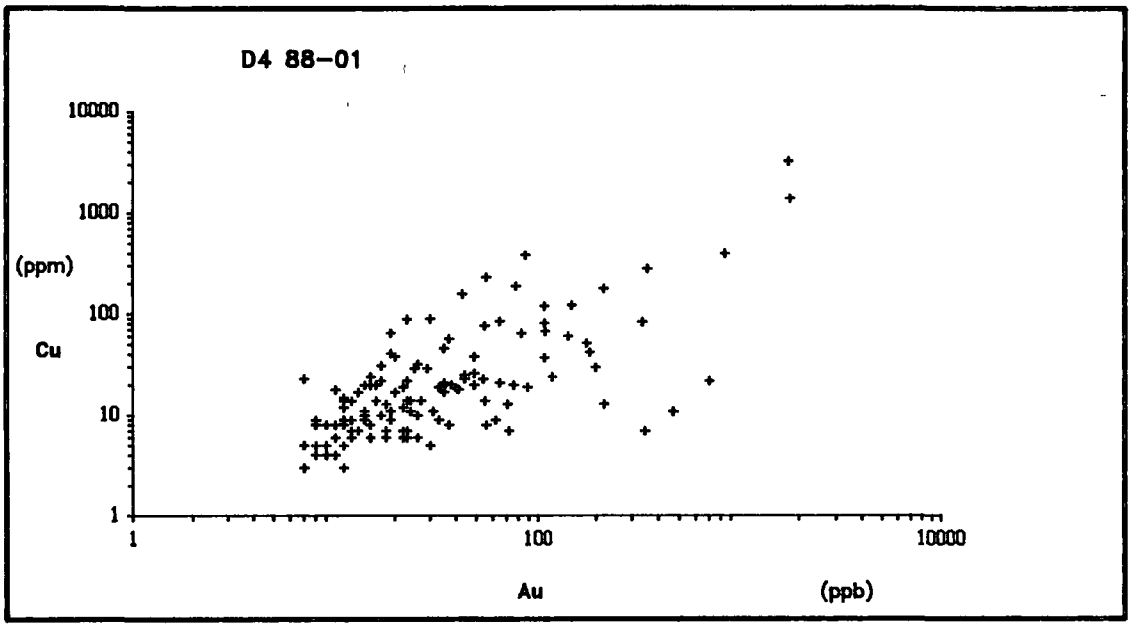


Fig. 30: Relation between gold and arsenic distribution in drillhole D4/88-07.



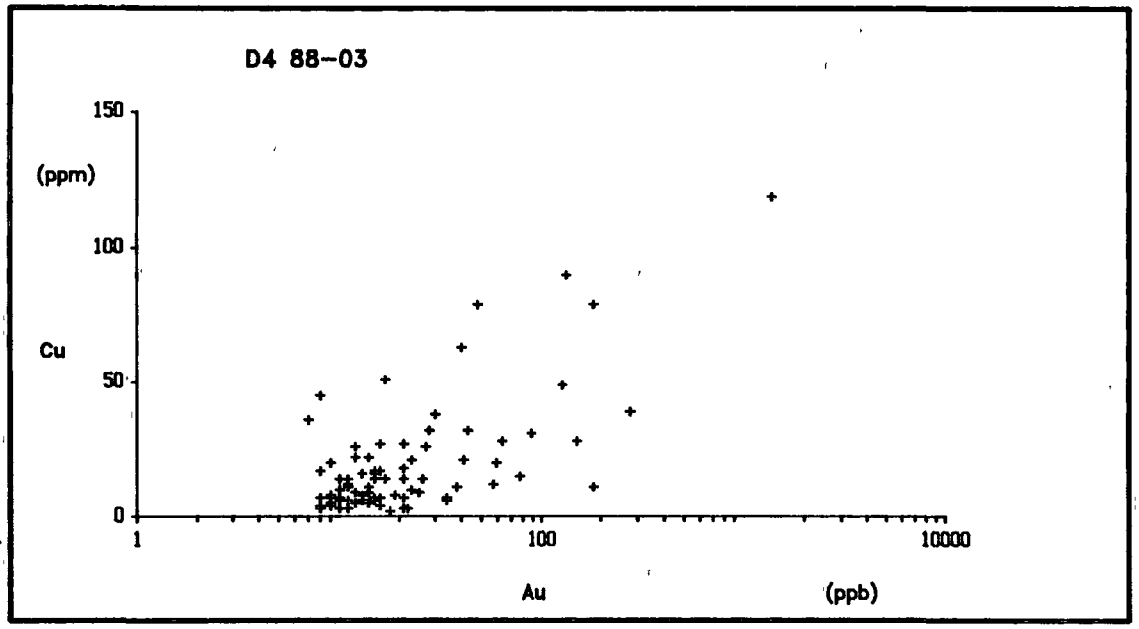
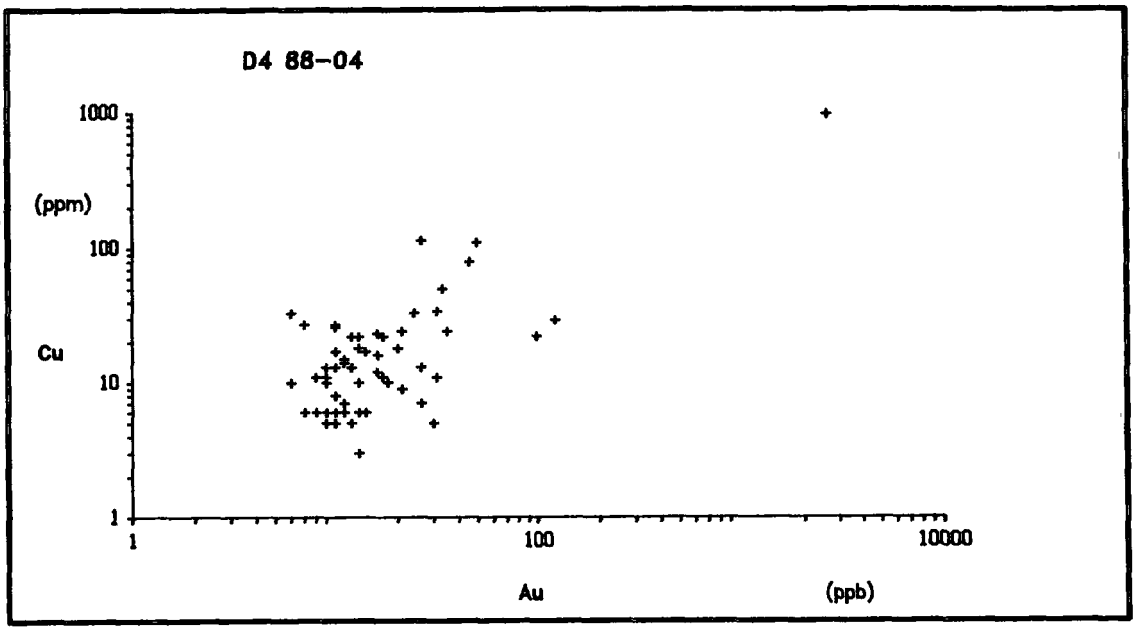


Fig. 31: Relation between gold and copper distribution in drillhole D4/88-01 and D4/88-03.



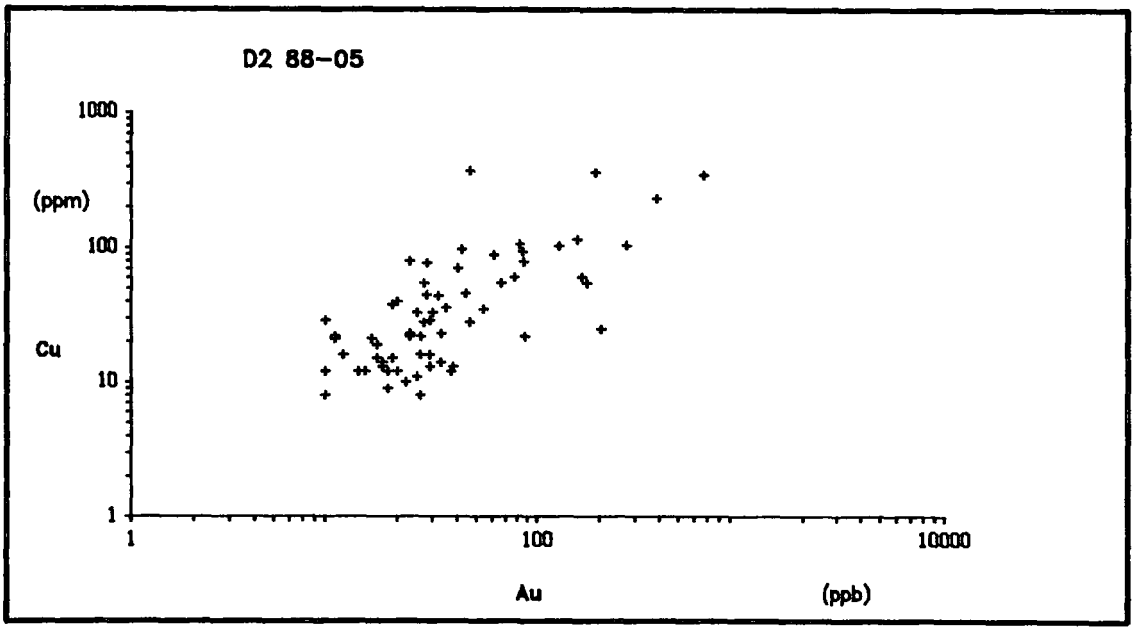
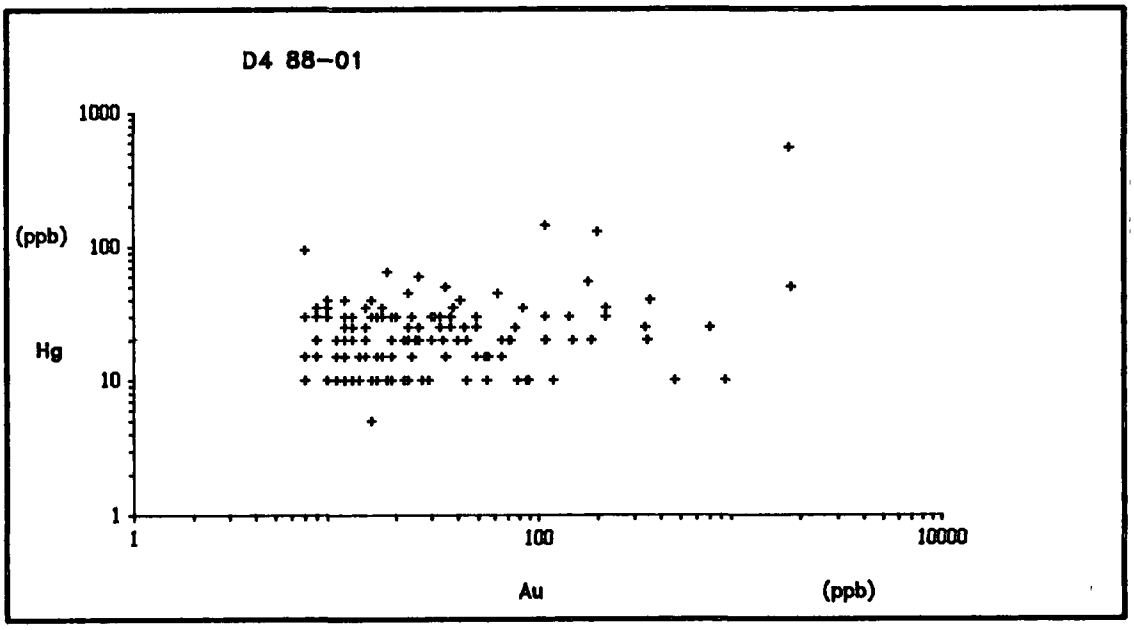


Fig. 32: Relation between gold and copper distribution in drillhole D4/88-04 and D4/88-05.



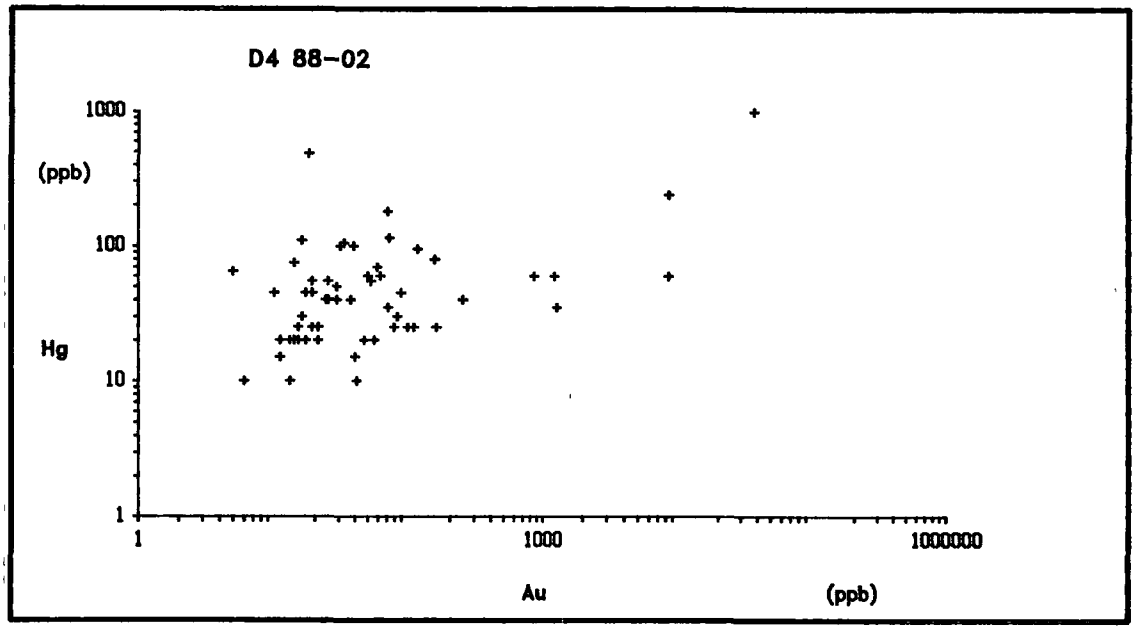


Fig. 33: Relation between gold and mercury distribution in drillhole D4/88-01 and D4/88-02.

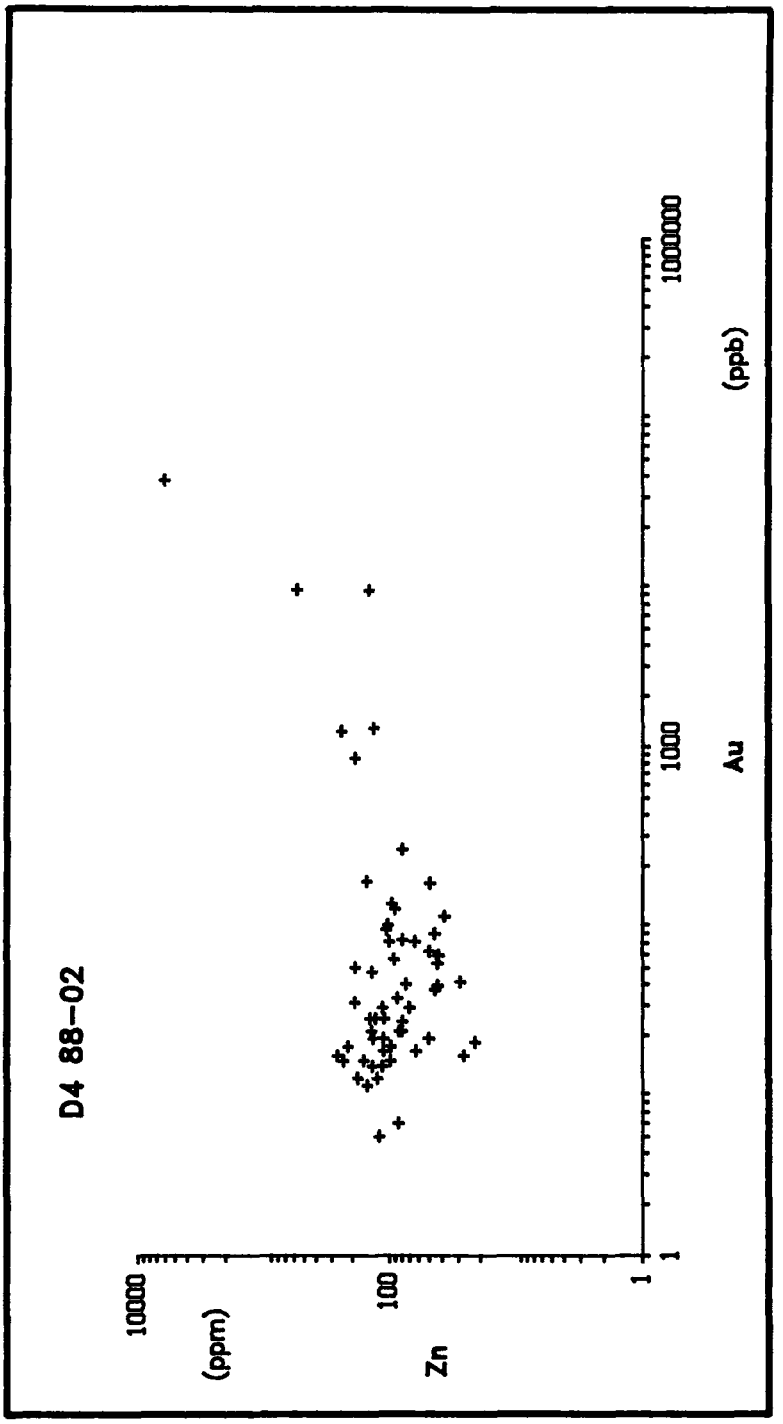


Fig. 34: Relation between gold and zinc distribution in drillhole D4/88-02.

Tracing the question on reliable pathfinder elements for further exploration one has to take in account that at the surface the mineralization is characterized by one gold-pyrite-arsenopyrite enriched area and a sphalerite-galena-silver enriched area. Both areas have seen at least three mineralization stages with at least three gold enrichment phases (Fig. 6) in the gold-pyrite-arsenopyrite area and two silver enrichment phases in the sphalerite-galena-silver zone (Fig. 8). While the mineralogical studies point to the feature that gold is accompanied by silver (as Au-Ag-allows with low or high Ag values) during all stages, by chalcopyrite during the second stage and arsenopyrite during second and mainly third stage silver, copper and arsenic could be useful for further exploration. But while in both zones silver (as silver minerals and as a trace element in galena), arsenopyrite and chalcopyrite as well as mercury (as trace element in silver minerals, fahlore and sphalerite) is enriched and the same structure has been used by mineralizing hydrothermal fluids several times (see core discription) a crosscheck has to be done using the elements lead and antimony.

REFERENCES:

GLASMACHER U. 1984: Geology, petrography and mineralization in the Sixtymile River area, Yukon Territorium, Canada; (unpubl. MSc thesis), 242 p., Institute of Mineralogy and Economic Geology, Aachen; Germany,

GLASMACHER U.; FRIEDRICH G. 1987: Sixtymile River area an example of gold and silver mineralization in Yukon-Tanana Terrane, Y.T., Canada - Poster at an meeting in Whitehorse, Yukon Territory

HUGHES R.L.; MORISON S.R. and HEIN F.J. 1986: Placer Gravels of Miller Creek, Sixtymile River area, 116 B,C. - Yukon Geology, vol. 1, p. 50-55, Whitehorse,

HAYBA D.O.; BETHKE P.M.; HEALD P. & FOLEY N.K. 1985: Geologic, Mineralogic, and Geochemical Characteristics of Volcanic-Hosted Epithermal Precious-Metal Deposits; in: BERGER B.R.; BETHKE P.M.; Geology and Geochemistry of Epithermal Systems; Reviews in Economic Geology, vol. 2, 298 p.,

PART B: GEOPHYSICAL REPORT

by
Dipl. Geol. H.P. Thominski

PART B: GEOPHYSICAL REPORT

CONTENTS

FIGURES:

1. INTRODUCTION

The application of magnetic and elctromagnetic measurements for defining gold-silver deposits is well kwown and used in different goldareas in the world. For example, BABONE (1986) and HOHENSTEIN (1986) defined gold-silver deposits in volcanic terranes in New Zealand. In the Canadian Shield region magnetic surveying is an effective method for identifying volcanogenetic gold deposits which occur within greenstone belts (GRANT 1984/85). Also the close association of gold and magnetite in sediments is often used to locate placer golddeposits (JOESTING 1945).

Magnetic techniques are generally used in the search for magnetic minerals such as iron ores rich in magnetite, as a tracer technique when magnetic minerals are associated with valuables nonmagnetic minerals or to determinate the depth, size and shape of an mineralized zone.

The object of this geophysical study was to investigate the geological setting of the property and to outline significant structural features relevant for gold exploration. Hydrothermal fluids which causes the gold enrichment also causes replacement of magnetite and titanomagnetite by pyrite. Therefore mineralized volcanic rocks are characterized by magnetic lows in opposite to unmineralized volcanic rocks.

A combined ground magnetic and electromagnetic (Very Low Frequency = VLF) survey has been done between July 17 and July 25.

All measurements were taken on traverse lines (Fig. 1) which have had straight direction. Along these traverse lines generally VLF and magnetic measurements were carried out simultanously.

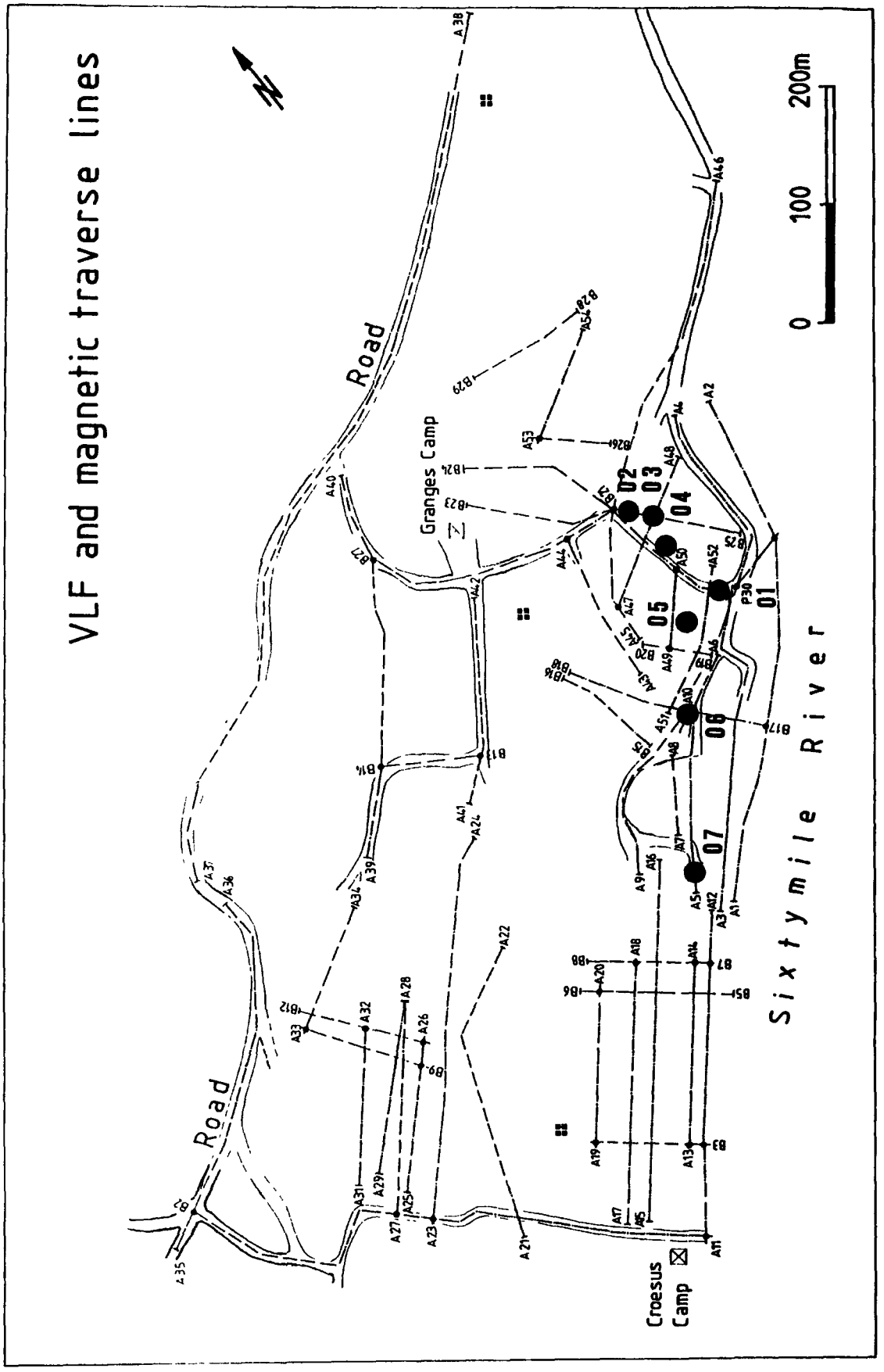


Fig. 1: Location of VLF and magnetic traverse lines.
(● Drill location; 01 Holeno.)

2. MAGNETIC SURVEY

All magnetic measurements were made with a proton precession magnetometer Model G - 826 GeoMetrics. This instrument measures the total intensity of the earth's magnetic field and displays the measurements in form of an unambignous digital readings.

Field work and calculation of anomaly was carried out in the same way as discribed in the first report (GLASMACHER et al. 1988). The diurnal variation was also in the same range as it was in March 1988. Magnetic data are presented in isanomaly contour maps (Fig. 1).

For the compilation of the contour maps additionaly magnetic data of the first report were also used.

Measurements of magnetic susceptibility of 28 hardrock samples from the property were made with an Kappameter Microkappa KT-5.

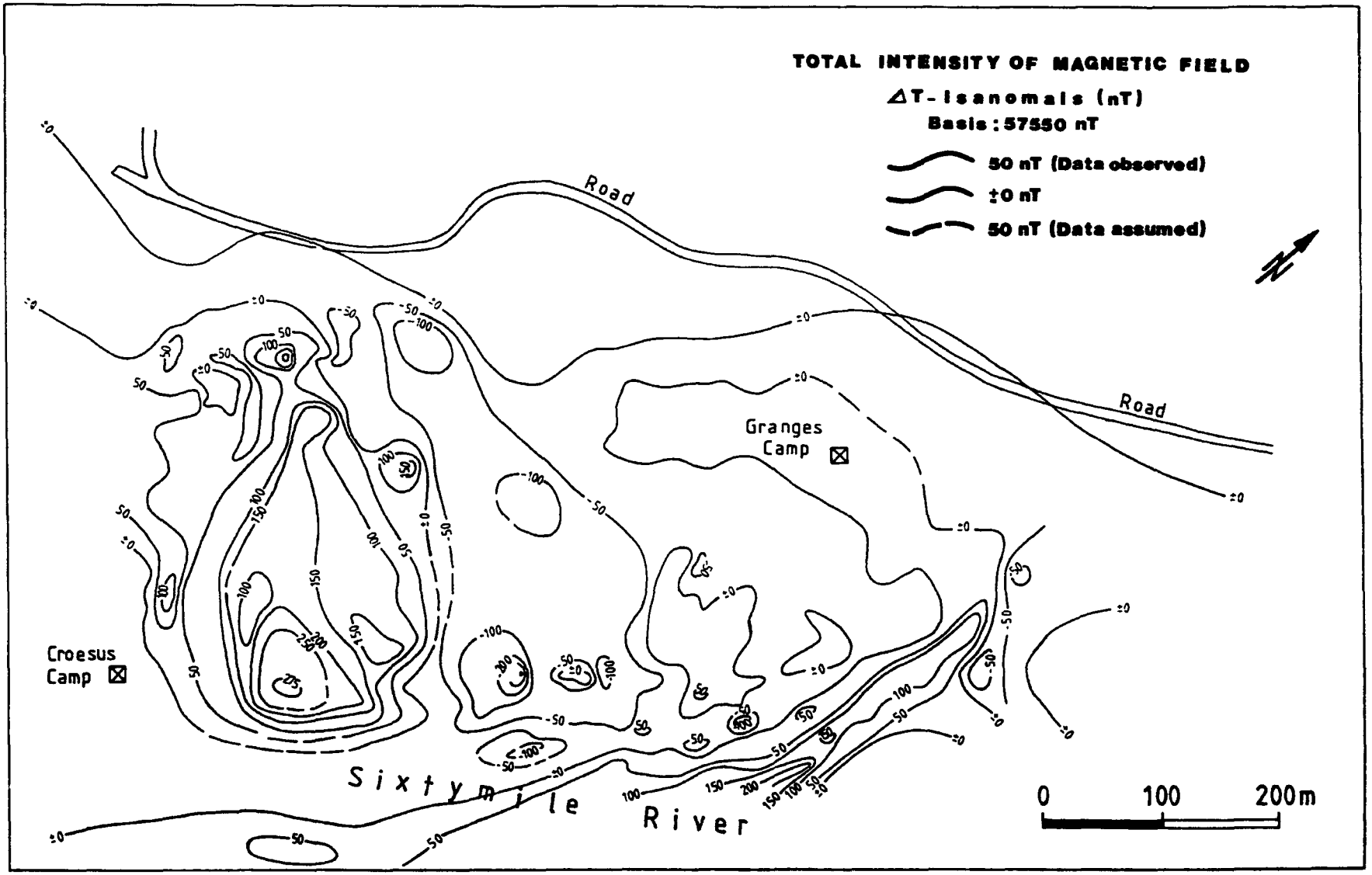


Fig. 2: Total intensity map, contour interval 50 nT.

2.1. Interpretation of magnetic measurementss

Important principles of magnetic interpretation have been discribed in the first report and the reader is referred to these chapters.
A proton magnetometer measures the total intensity of the earth's magnetic field. This is roughly the sum of the earth's regional magnetic field and of magnetic anomalies due to the magnetization of rocks. The earth's regional magnetic field has been taken into account by subtracting a constant magnetic intensity value (57550 nT) which was found to be typical for this region.
Calculated magnetic anomaly is caused by magnetization pattern of the rocks in this region. This rock magnetization (M) is the vector sum of remanent (Mr) and induced magnetization (Mi) :

$M = Mr + Mi$

$Mi = kH$

K = magnetic susceptibility
H = strength of the local earth's magnetic field (57550 nT)

Value and direction of the Mr has not been determinant. Following the predominatly normal polarity of La BRECQUE et al. 1977 for upper cretaceous time the direction of Mr is assumend to be normal for the upper cretaceous volcanic rocks on the property.
Induced magnetization was measured on 28 hardrock samples from the property which thought to be representative for the studied area by using a Kappameter. Results are shown in Fig. 3.

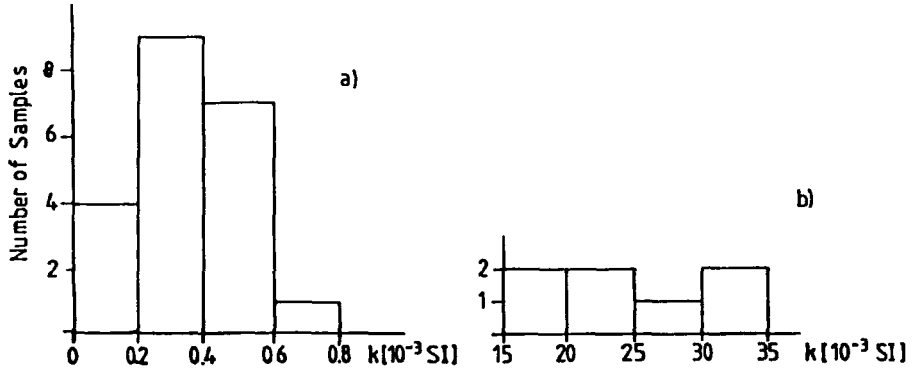


Fig. 3: Susceptibility of altered (a) and of propylitic (b) volcanic rocks

Altered and mineralized volcanic rocks have given a normal distribution of susceptibility values (Fig. 3a), the arithmetric mean value is 0.35 * 10^{-3} SI units.
Volcanic rocks of the propylitic zone display values ranging from 15 to 35 * 10^{-3} SI units with an aritmetric mean of 25 * 10^{-3} SI units (Fig. 3b). While susceptibility of rocks are dependent on the amount of ferromagnetic minerals such as magnetite or pyrrhotite and taking into account previous mineralogical studies (GLASMACHER et al. 1987), which have shown that these rocks are characterized by the conversion of magnetite to pyrite, the brought range can be interpreted as the result of different alteration stages between fresh volcanic rocks and strong altered rocks.

If the assumption of normal directed remanent magnetization is true, than the propylitic zones should produce magnetic highs and the altered volcanic rocks negative to moderate anomalies (caused by the intensity of magnetite to pyrite conversion).
Field observations on the property have been shown that the propylitic zones in the open pits (placer mines) are generally characterized by positiv magnetic anomalies and the altered volcanic rocks in general characterized by moderate to negative anomalies. Therefore these observations are in agreement with the measured suszebtibility.
Using these informations as the leading key in the interpretation of the iso-intensity map (Fig. 4) in areas where hardrock is covered by tailing piles and fluvial sediments two regions of positiv magnetic anomalies occur:

- the first is situated northeast of Croesus Camp showing a northwest-southeast magnetic trend,
- the second is situated at the east border of the investigated area, having a strong north-south magnetic trend.

In both areas small outcrops with propylithic rocks occur. Therefore it is very likely that the positive anomalies are caused by the distribution pattern of similar propylitic rocks.
The discontinuation of both anomalies to the northwest (region 1) and north (region 2) could have been caused by :

- different remanent magnetization
- subsurface rocks with different suscebtibility

Because of the same age of the underlaying rocks it is unlikely to expect different remanent magnetization. Therefore rocks with different suscebtibility are expected.
The central part of the investigated area is characterized by intermediate to negative anomalies. Knowing from outcrops that part of these area is underlain by moderate to intense altered and mineralized volcanic rocks it is very likely that these anomalies showing the distribution pattern of altered and mineralized volcanic rocks.

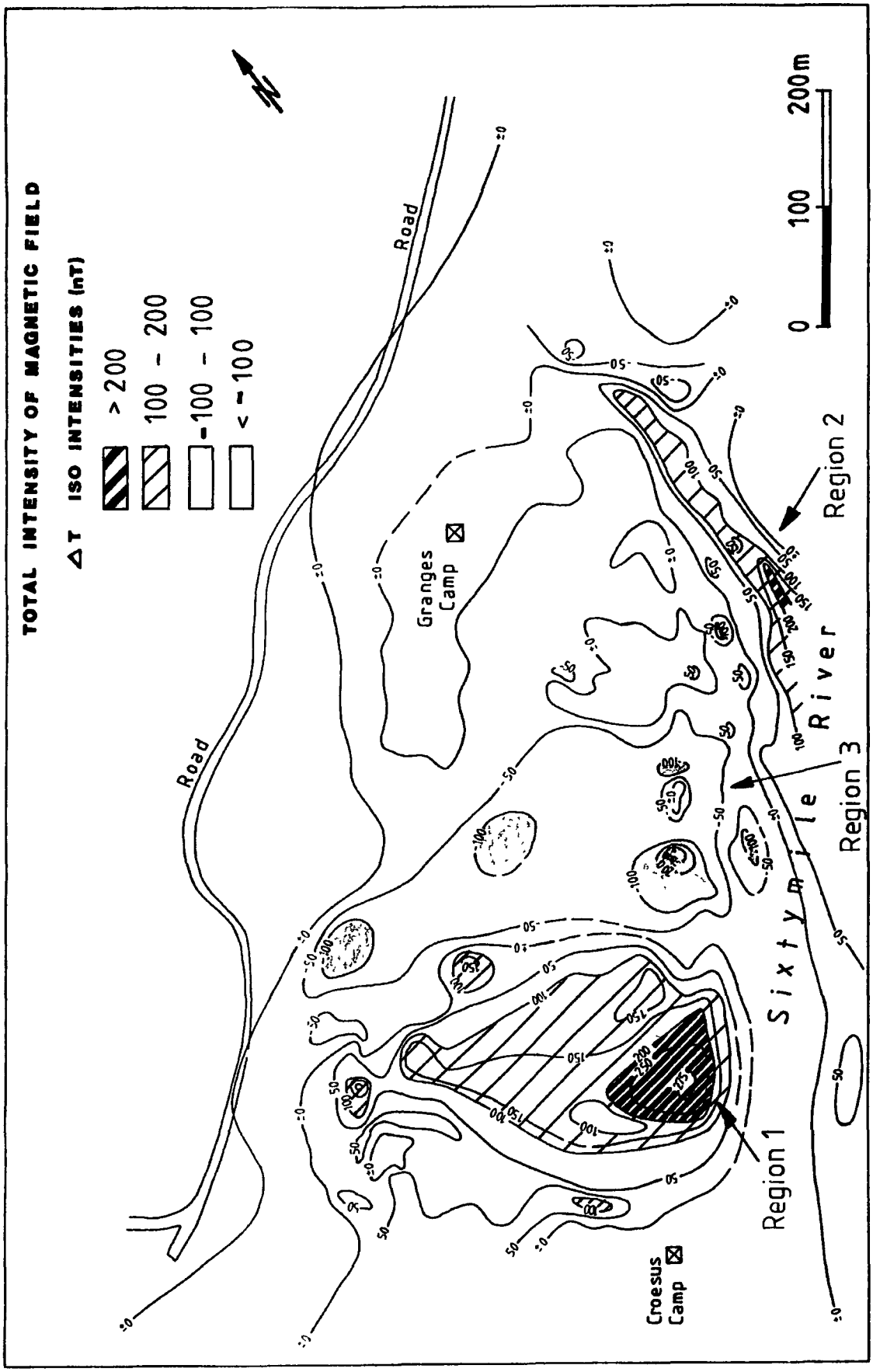


Fig. 4: Iso intensity map; Region 1 - 3 (see text) are indicated.

3. VLF SURVEY

3.1. Instrument and field work

For all VLF measurements an EM 16 of GEONICS was used. This instrument measures the 'In-phase' and 'Quadrature' components of the local electromagnetic field. Transmitting stations which have been used:

- Station NPG, Seattle, Washington 18.6 KHz
- Station NPM, Hawaii, Hawaii

These two stations served reliable signals during the whole survey. The spacing on the traverse lines for each measurement was 10 m or 20 m. The effects of tailings and water (small creeks) on the readings were controlled by systematic measurements and are neglicgible.

3.2. Presentation of data

All VLF measurementss are presented as profiles (Fig. 5 - 9). The horizontal scale is the same as in Fig. 1. The readings are plotted as bright lines for inphase and as small lines for quadrature. Spacing on the abcissa is generally 10%.

Northeast-southwest running profils are marked by prefix 'A', northwest-southeast running profiles are marked with prefix 'B'. The profiles were arranged in 'profile sets' in order to recognize same VLF trends on parallel traverses lines.

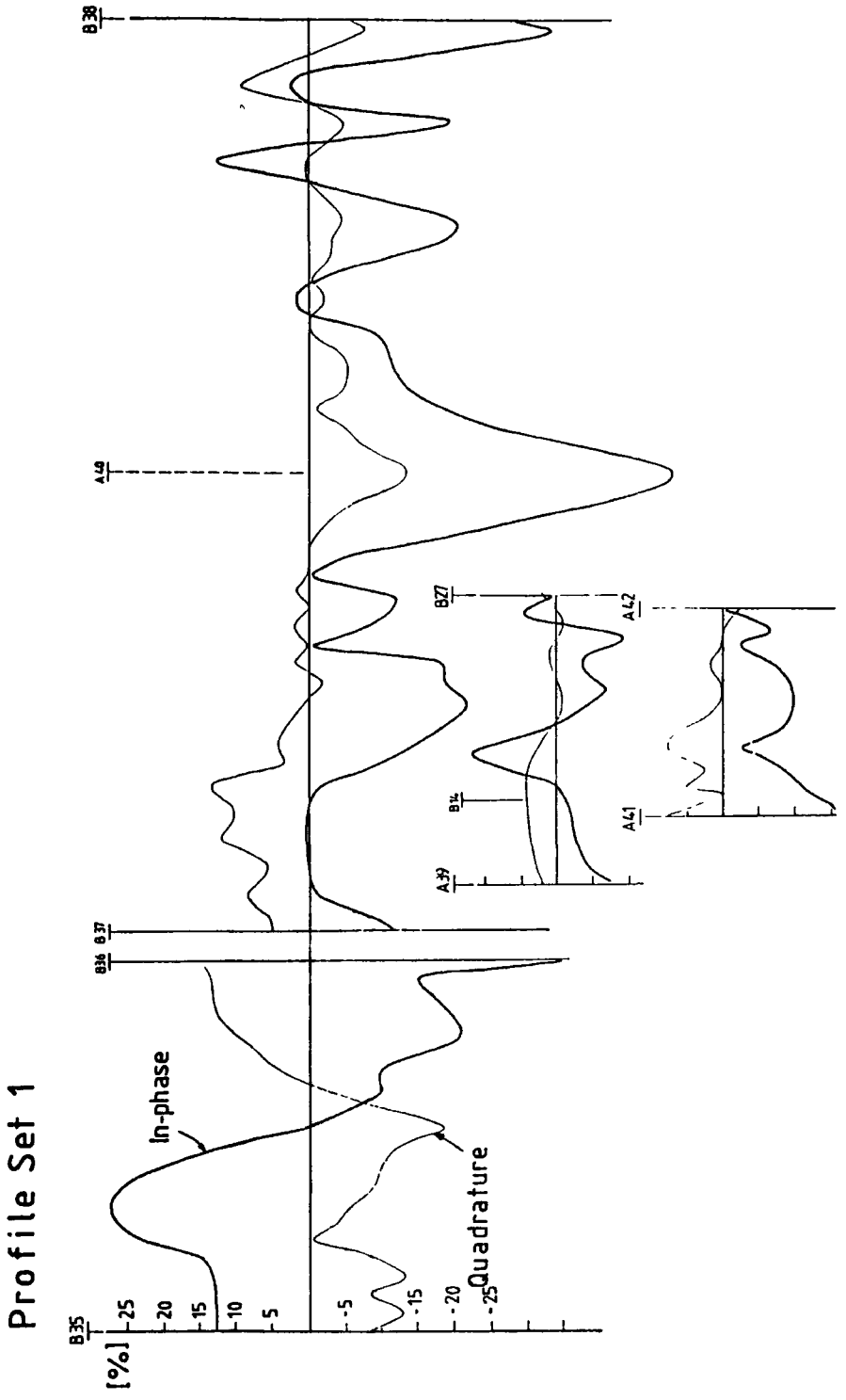


Fig. 5: VLF profile set 1.

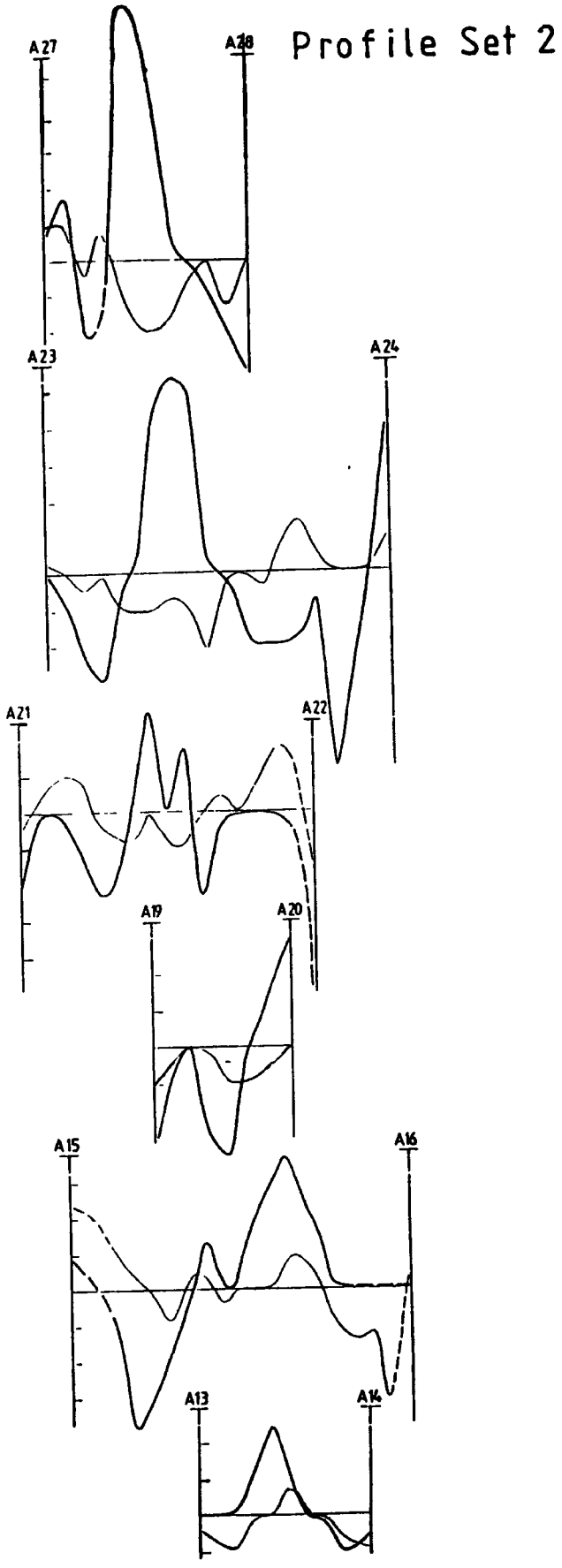


Fig. 6: VLF profile set 2.

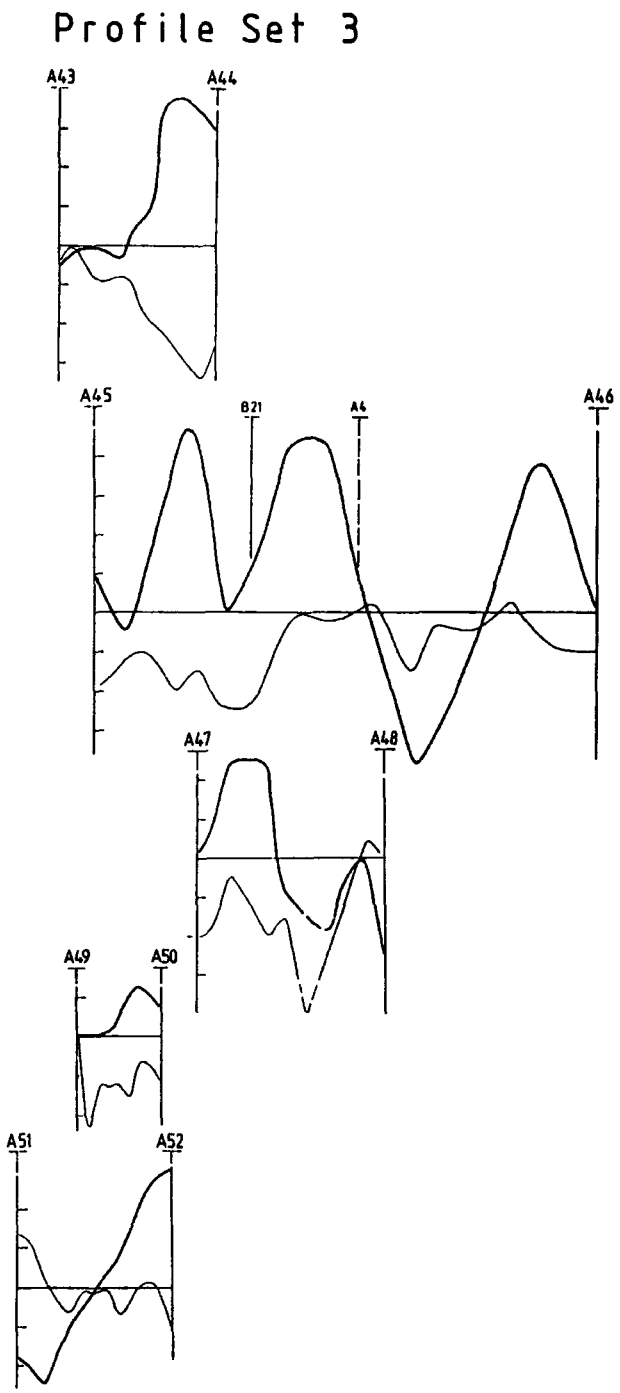


Fig. 7: VLF profile set 3.

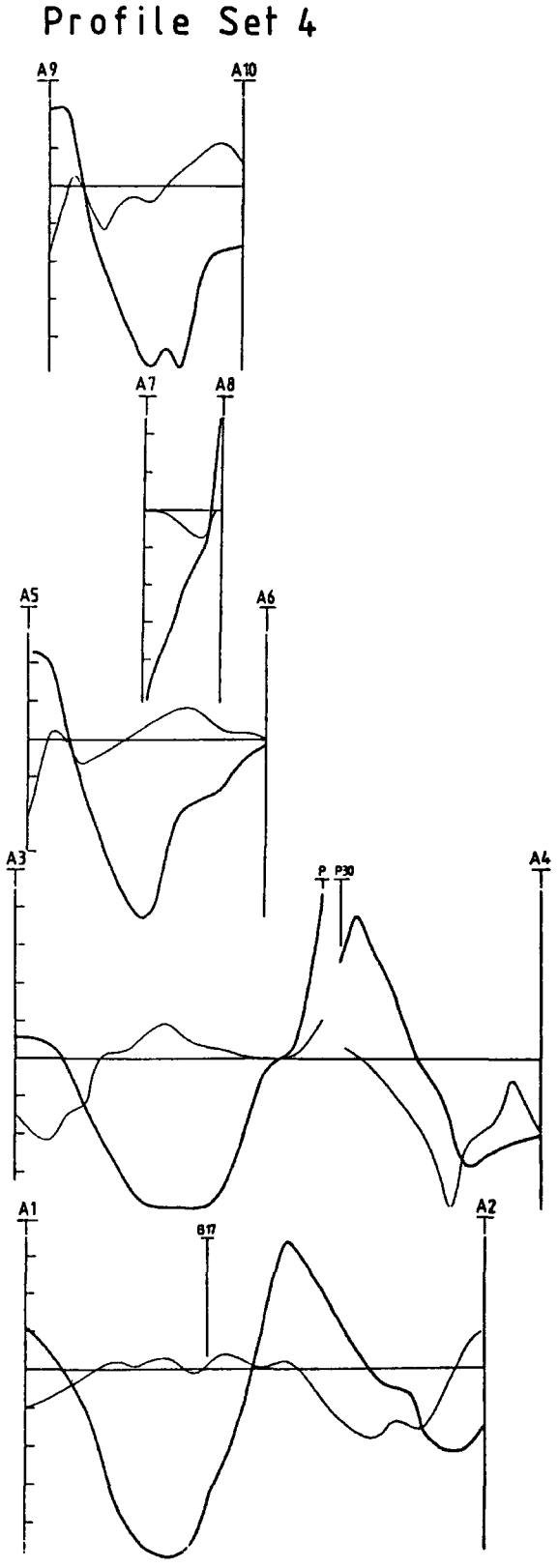


Fig. 8: VLF profile set 4.

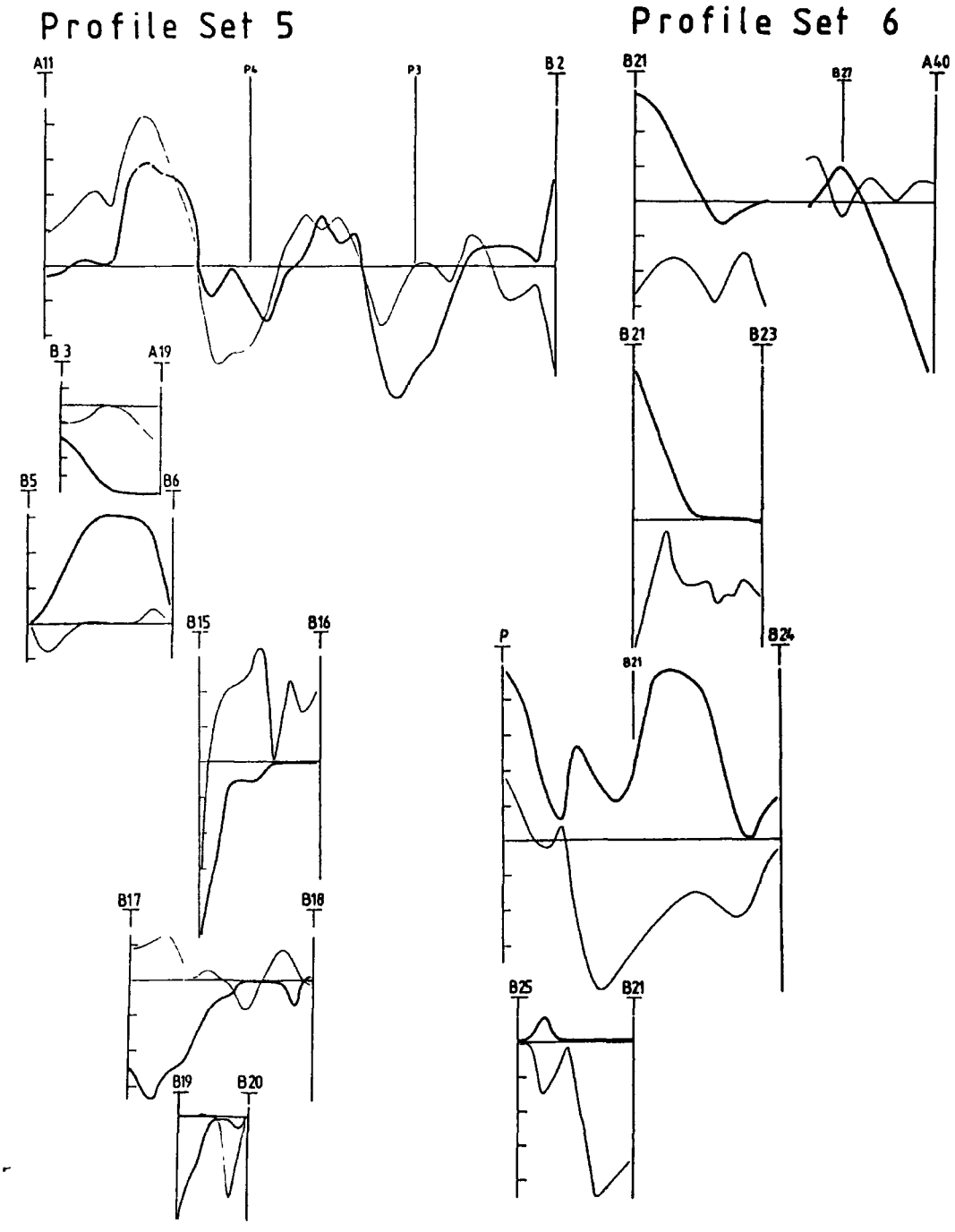


Fig. 9: VLF profile set 5 and 6.

3.3. Interpretation of VLF measurements

3.3.1. General remarks

A VLF transmitting station creates a concentric horizontal magnetic field. If this magnetic field reach conductive bodies in the ground there will be a secondary field radiating from these bodies. The VLF EM16 measures the vertical components of this secondary field.
The magnetic fieldlines of a VLF station are at right angles to the direction of the station. For any survey it is important to select a station which gives the field approximately at right angles to the main strike of the ore bodies or geological structures of interest. This selection of proper transmitting station is done by plug in units inside the receiver. For this survey, plug in units for seattle, NPG and Hawaii, NPM were used.
VLF data only allow qualitative interpretations. This means, that dimension or depth of an conductive body cannot be exactly computed. A rough measure for the depth of an ore body is explained in Fig. 10.
The following figures illustrate the principles of interpretation of VLF data (Fig. 11). A small body of conductive material in nonconductive ground (Fig. 11a) produces a significant 'In-phase' and 'Quadrature' anomaly. The same anomaly can be produced by changing concentration of conductive material, depth and dimension of the body; e.g. a smaller body containing a higher amount of pyrite, situated deeper in the crust will produce a nearly identical anomaly. In the case of two conductive bodies (Fig. 11b) the resulting anomaly is a superposition of the individual effects. Figures 11c shows the effect of a conductive layer which causes two signals with opposite phase.

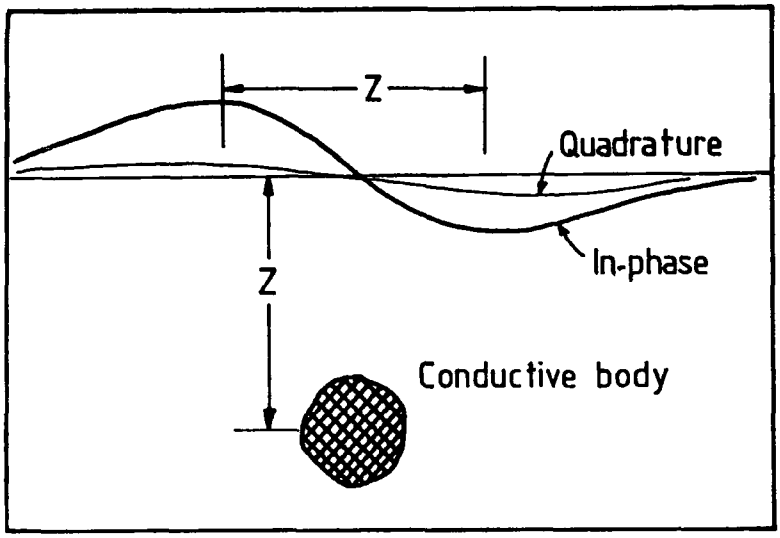


Fig. 10: Principle of depth estimation from VLF data.

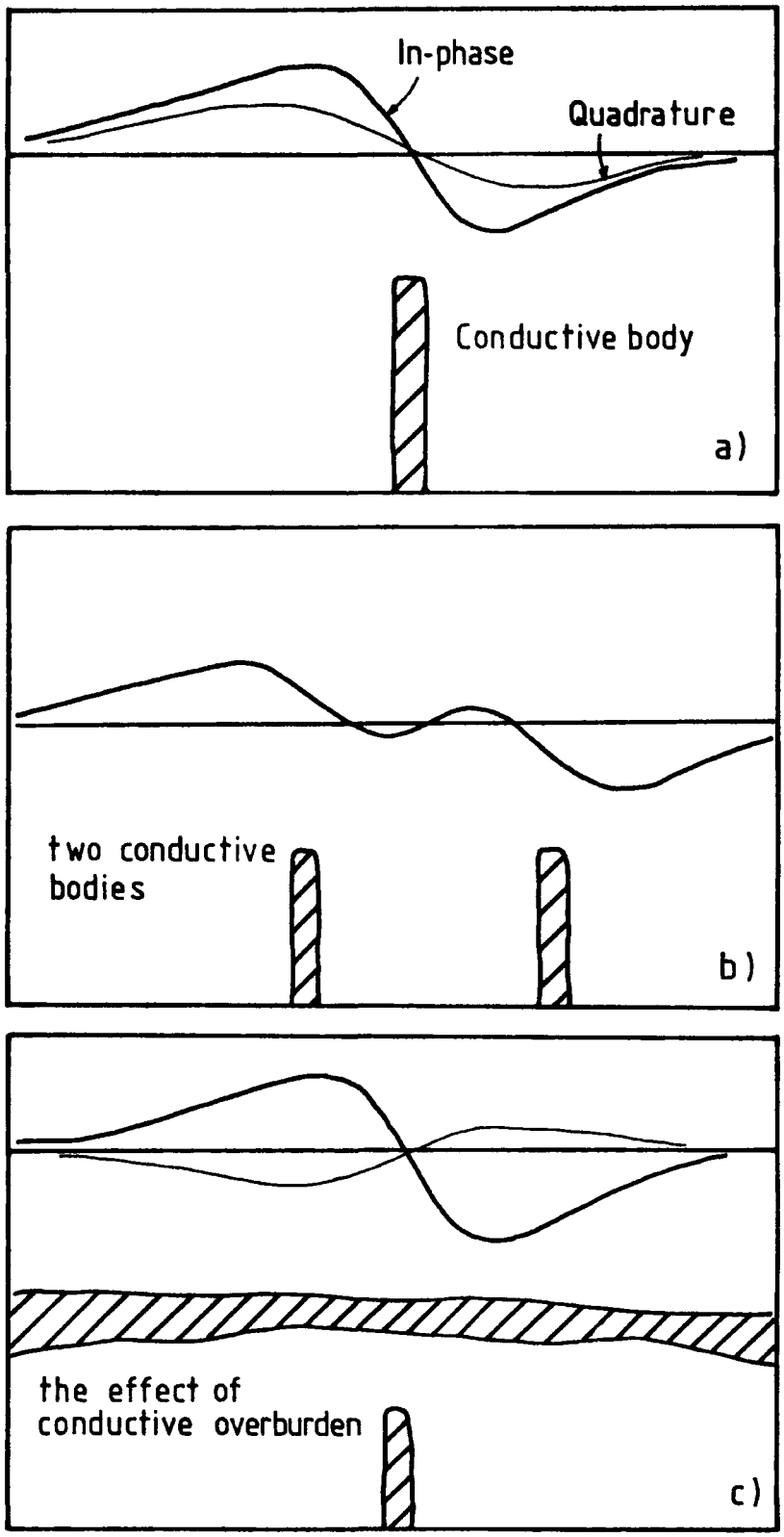


Fig. 11: Some principle remarks on the interpretation of VLF data

3.3.2. Interpretation of the VLF profile data

In Fig. 12 a qualitative interpretation of the VLF profiles is given. The VLF profile sets, already shown in detail (Fig. 5 - 9) are now arranged to rialize similar features. First it is seen, that there are pronounced VLF anomalies for the southwest-northeast running profiles (A-profiles), whereas in general no clear anomalies are indicated along the northwest-southeast running profiles (B-profiles) but opposite phases of the two VLF-signals. This trend can be interpreted as a effect of strike direction of the geological structures. It is probable that the conductive zones (or ore bodies) are northwest-southeast striking, thus producing sharp and pronounced anomalies on the right angle directed A-profiles.

For the A-profiles in the cases of clear anomalies possible ore bodies were constructed (dark dashed signature). When no clear signal was obtained, the profile part is designated by a "?". Step and small anomalies are characterized by small ore bodies in shallow depth (A27 - A28; A23- A24; A35 - A38, right)

If the VLF signals show opposite phases, a conductive layer is assumed (A35 - A38 left; A27 - A28; A23 - A24; A21 - A22; A9 - A10; A5 - A6; A3 - A4; A1 - A2)

The arrangement of the profiles (profile sets) shows that several features can be traced on parallel profiles. This is an indication that the VLF measurements identified real ore bodies and the anomalies are not produced by measurement errors.

Very often VLF anomalies are caused by local concentrations of pyrite, this could also be the case for this survey while all altered and mineralized volcanic rocks in the investigated area carry more or less amounts of disseminated pyrite or narrow pyrite stockwork. Also northwest-southeast striking pyrite veins and veinlets of different thickness (centimeter to decimeter) are present. Thus it is assumed that the VLF anomalies, presented here are caused by local concentrations of pyrite.

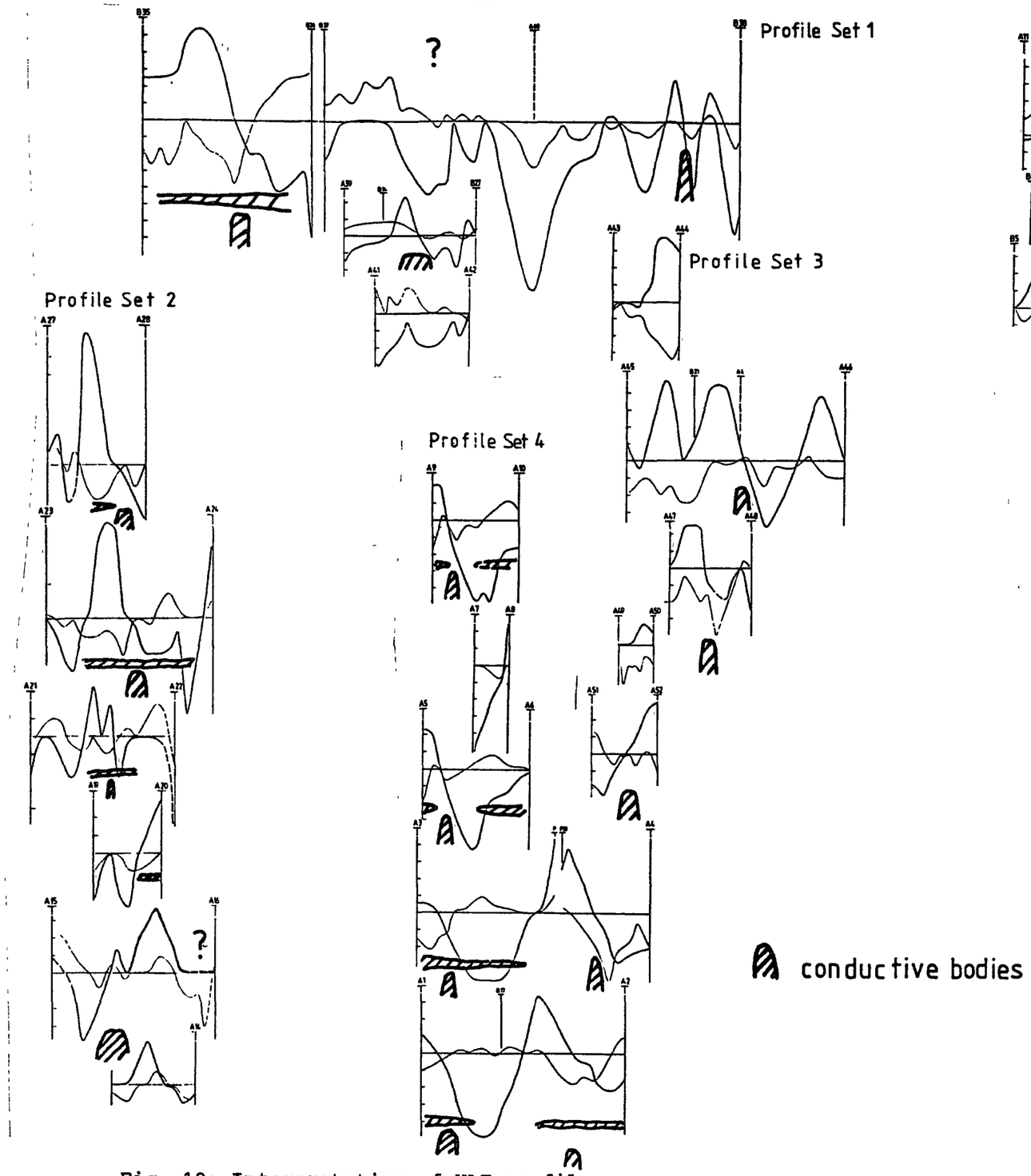


Fig. 12: Interpretation of VLF profiles.

4. COMBINED INTERPRETATION AND CONCLUSION

In order to achieve a clear understanding of the property VLF and magnetic data are compared in three areas:
- the region NW of Croesus Camp (Fig. 13a)
- the region NE of Croesus Camp (Fig. 13b)
- the region SE of Granges Camp with point B 21 in its center (Fig. 14)

VLF and magnetic profiles have the same horizontal scale.

A clear correlation of magnetic and VLF data can be seen on all figures. In the case an VLF anomaly occur, a magnetic anomaly is also present (A27 - A28; A15 - A16; B25 - B23/24; A47 - A46; A47 - A2).
This trend can be interpreted in the following way:
As described in former chapters (2.1.) magnetic anomalies are caused by the occurence of magnetite bearing propylithic volcanic rocks in relation to strongly altered and mineralized volcanic rocks with disseminated pyrite, pyrite veinlets and pyrite stockwork.
VLF anomalies have been interpreted as local concentrations of disseminated pyrite or pyrite veinlets or pyrite stockwork.
Therefore the correlation between magnetic- and VLF anomalies are caused by the lithological transition from propylithic to altered and mineralized volcanic rocks.

In one case (Fig. 14, left side) the absence of VLF anomaly (B21 - B23; P - B24; B25 - B21) is correlated with the absence of a magnetic anomaly.
Drillhole D4/88-02, drillhole D4/88-03 and drillhole D4/88-04, which have had the highest gold values are located around B21 (Fig. 1).
If there is any conection between the absence of anomalies and the occurence of gold enrichment have to be tested during future exploration.

Fig. 13 a

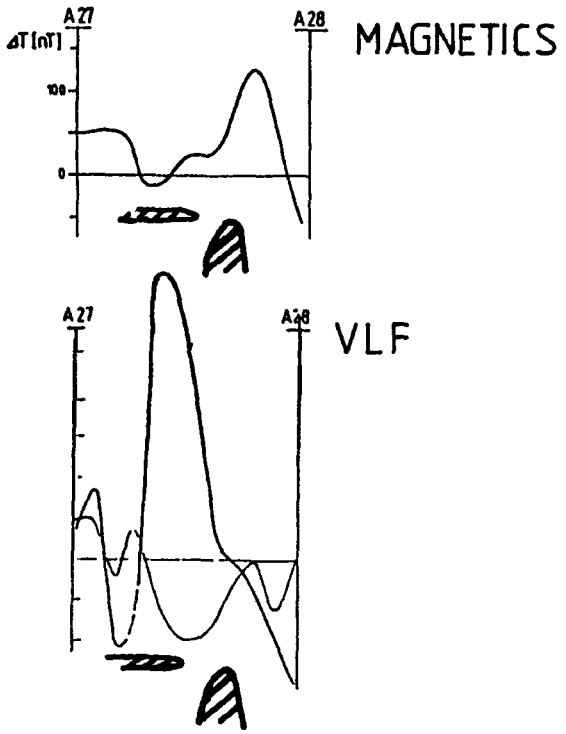


Fig 13 b

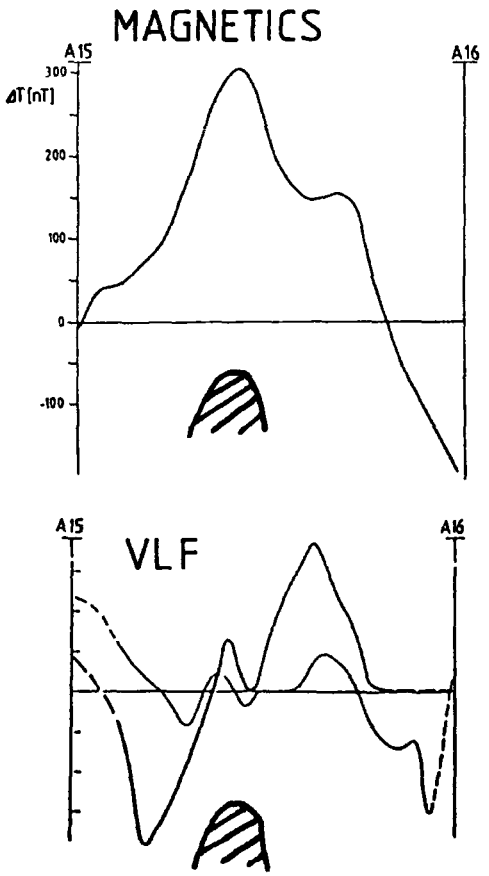


Fig. 13: Combined VLF and magnetic interpretation.

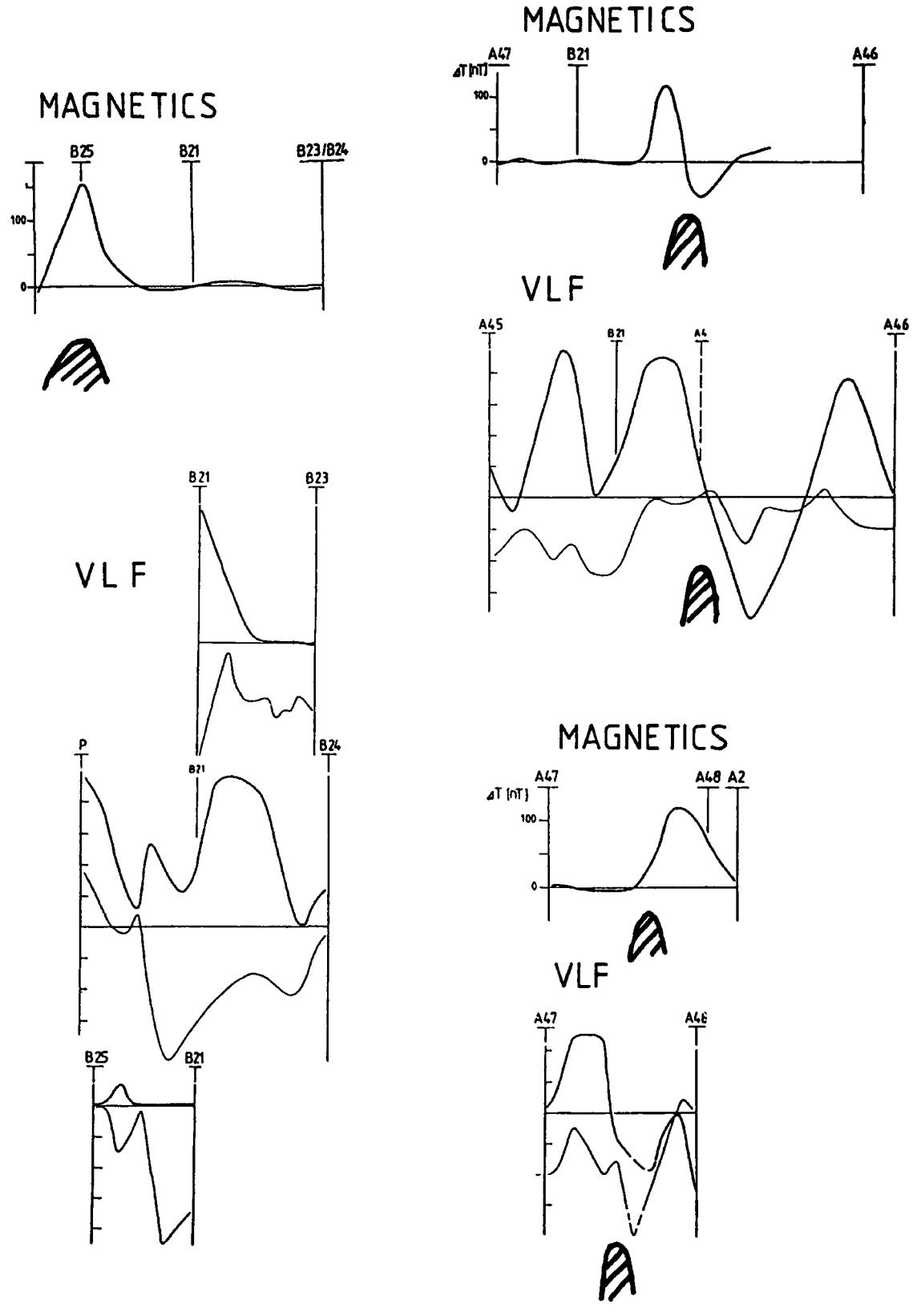


Fig. 14: Combined VLF and magnetic interpretation.

References

BABONE S.D.C. 1986: Airborne magnetics, Coromandel, Tour C1, IAVCEI Volcanological Congres New Zealand, 8 p.,

GLASMACHER U.; FRIEDRICH G. 1987: Sixtymile River area, an example of gold and silver mineralization in Yukon-Tanana Terrane, Y.T., Canada - Poster at an meeting in Whitehorse

GLASMACHER U., THOMINSKI H.P. 1988: Report on the Gold-Silver Property Delia-Wendy, Sixtymile River Area, Yukon Territory, Canada, May 1988, Internal report for Klondike Goldmining Coperation,

GRANT, F.S. 1984/85: Aeromagnetics, Geology and ore enviroments, II. Magnetite and ore enviroments. - Geoexploration, 23, 335-362,

HOHENSTEIN M.P 1986. Geophysics, Alexandra Volcanics, Tour C1, IAVCEI Volcanological Congres New Zealand, 5 p.,

JOESTING, H.R. 1945: Magnetometer and direct-current-resistivity studies in Alaska. - Trans. Am. Inst. Min. Met. Eng., 64, Geophysics 1945, 67-87,

LA BRECQUE J.L.; KENT D.V. & CANDE S.C. 1977: Revised magnetic polarity time scale for late Cretacous and Cenozoic time, Geology 5, p. 330 - 335,

PART C: FLUID INCLUSION REPORT
(DECREPITATION ANALYSES)

by
Dipl. Geol. U. Glasmacher
and
Dipl. Chem. Dipl. Min. Peter Sänger v. Oepen

CONTENTS

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FIGURES:

1. INTRODUCTION

Similar to the fluid inclusion method (determination of homogenization temperatures, salinities and composition of hydrothermal fluids), the decrepitation method delivers characteristic data of the hydrothermal fluids. But while the fluid inclusion method is more scientifically orientated and time consuming (hours to days for studying one sample), emphasis of the decrepitation method is more given to exploration- and time saving purposes (30 - to 40 minutes). Decrepitometry reveals simple decrepitograms/histograms.

Each type of hydrothermal fluids is characterized by a special type of fluid inclusions within newly formed minerals or on fissures and tracks within cataclastic, but rehealed minerals. Heating of those fluid inclusions leads to bursting, exploding, i.e. decrepitating at characteristic temperatures. Recording of those decrepitation temperatures as counts (amount of decrepitations) per temperature and time interval reveals typical decrepitograms, characteristic for each specific fluid system (Burlinson 1987).

The comparison of diagrams revealed from samples without known gold content (especially quartz vein samples in an exploration area) with key diagrams of prooven gold bearing samples (of the same area) will show, whether the actual sample has similar features or not, i.e. whether it has been influenced by the same type of mineralizing hydrothermal fluids, and therefore, if the new quartz vein or stockwork has any potential for further gold exploration.

The fluid inclusion decrepitation intrument used in this report has been constructed and build by K. Burlinson. The instrument comprises a specially designed electric furnace which is mounted in an acoustic isolation enclosure. The furnace temperature is read by a microprocessor system which controls the power supply to the furnace, thus providing a constant heating rate. The signal from the microphone is amplified and decrepitation bursts are electonically counted by the microprocessor and presented as a histogram, both on a vidio screen and on a printer.

2. SAMPLE DESCRIPTION

A series of gold-quartz nuggets sampled by U. GLASMACHER during summer 1988 out of placer deposits in the Sixtymile River area (Miller Creek and Sixtymile River; Tab. 1), quartz samples representing different quartz vein occurrences in metamorphic rocks of Miller Creek (Tab. 2) and quartz (partly chalcedony) samples representing different quartz-pyrite (partly chalcedony) occurrences in drill cores and at the surface of the Gold-Silver Property 'Delia-Wendy' have been studied (Tab. 3). Some of these samples have been prooved by AAS analysis to contain gold in ppb to ppm range. Decrepitograms of those prooven Au-containing standards served as key diagrams to classify the other non Au analyzed samples with respect to their relationship to the gold mineralized samples.

Table 1: Gold-quartz grains from placer deposits in Sixtymile River area

Sampleno.	Location	Lithology
Placer:	Miller Creek and Sixtymile River	
1	Miller Creek W. Yaremcio (W.Y.)	gold-quartz grains
2	Miller Creek Klondike Goldmining Cop. (K.G.M.)	gold-quartz grains
3	Sixtymile River Granges	gold-quartz grains
4	Sixtymile River Mac Douglas	gold-quartz grains

Table 2: Quartz samples of quartz-veins occuring in metamorphic rocks in Miller Creeek

Sampleno.	Location	Lithology
Metamorphic rocks: Miller Creek		
5	Miller Creek at W.Y.'s camp	quartz vein sample with gold values (400 ppb)
6	Miller Creek at W.Y.'s camp	quartz vein sample
7	Miller Creek at W.Y's camp	quartz vein sample
8	Miller Creek at sec. addit (K.G.M.), left side	quartz vein sample
9	Miller Creek at sec. addit (K.G.M.), right side	quartz vein sample
10	Miller Creek K.G.M. old underground workings	quartz vein sample
11	Miller Creek between K.G.M. and W.Y.	quartz vein sample (kfs. wallrock)
12	Miller Creek 300 m NW of W.Y.'camp, left creek side at the junction of a small pub with Miller Creek	quartz-arsenopyrite-pyrite vein with gold values (200 ppb)
13	same location as 12	
14	at the headwaters of the pub (see sample 12)	quartz vein sample

Table 3: Quartz samples of quartz-pyrite veinlets (partly gold bearing) in volcanic rocks at the Gold-Silver Property 'Delia-Wendy'

Sampleno.	Location	Lithology
Volcanic rocks: Gold-Silver Property 'Delia-Wendy'		
15	surface	gold bearing pyrite-arsenopyrite-quartz veinlet (3,410 ppb Au)
16	surface	gold bearing pyrite-arsenopyrite-quartz veinlet (11,460 ppb Au)
17	surface	gold bearing pyrite-arsenopyrite-quartz veinlet
18	surface	propylitic zone around pyrite-arsenopyrite-gold occurrence
19	surface	kaolinite-carbonate-quartz zone around pyrite-arsenopyrite-gold occurrence
20	surface	quartz-muscovite zone around pyrite-arsenopyrite-gold occurrence
21	surface	gold bearing quartz breccia (2681 ppb Au)
22	surface	quartz-muscovite zone around pyrite-arsenopyrite-gold occurrence
23	surface	propylitic zone around lead-zinc-silver occurrence
24	surface	kaolinite-carbonate-quartz zone around lead-zinc-silver occurrence
25	surface	quartz-adularia zone around lead-zinc-silver occurrence
26	core D4/88-01 120.4 m depth	quartz-carbonate-pyrite veinlet (Au: 1,775 ppb/0.1 m)
27	core D4/88-01 170.4 m depth	quartz-pyrite veinlet (Au: 7 ppb/0.9 m)
28	core D4/88-01 171 m depth	quartz-pyrite veinlet (Au: 35 ppb/0.9 m)
29	core D4/88-02 77.4 m depth	quartz-pyrite veinlet (Au: 0 ppb/1.5 m)

Table 4: Quartz samples of quartz-pyrite veinlets (partly gold bearing) in volcanic rocks at the Gold-Silver Property 'Delia-Wendy'

Sampleno.	Location	Lithology
Volcanic rocks: Gold-Silver Property 'Delia-Wendy'		
30	core D4/88-03 14.8 m depth	quartz-pyrite veinlet (Au: 13 ppb/0.6 m)
31	core D4/88-03 25.9 m	quartz-pyrite veinlet (Au: 128ppb/0.6 m)
32	core D4/88-03 39.8 m depth	quartz-pyrite veinlet (Au: 25 ppb/0.1 m)
33	core D4/88-03 80.8 m depth	quartz-pyrite veinlet (Au: 8 ppb/0.1 m)
34	core D4/88-04 5.8 m depth	quartz-pyrite veinlet (Au: 122 ppb/1.5 m)
35	core D4/88-04 34.7 m depth	quartz-pyrite veinlet (Au: 26 ppb/1.5 m)
36	core D4/88-04 39.3 m depth	quartz-pyrite veinlet (Au: 7 ppb/1.5 m)
37	core D2/88-05 9.6 m depth	quartz-pyrite veinlet (Au: 18 ppb/1.5 m)
38	core D2/88-06 10.7 m depth	quartz-pyrite veinlet (Au: 6 ppb/1.5 m)

3. RESULTS

3.1. Samples of gold-quartz grains and gold bearing quartz veins/veinlets in the Sixtymile River Area.

Decrepitograms of sample 1 to 4, which represent gold-quartz grains from placer deposits in Miller Creek and Sixtymile River show the same pattern (Fig. 1).
Characteristic features of the decrepitograms are:
- decrepitation maximum at about 450 °C.
- flat shoulder to decreasing temperatures down to about 250 °C.
- sharp quartz-inversion peak (change in crystal structure caused by increasing temperatures) at about 570 - 590 °C.
- strong decrepitation activity.

Therefore it is possible that all gold-quartz grains are originated from the same source rock or at least the same hydrothermal fluids and the same depositional process have generated gold enrichment in source rocks. While gold from placer deposits is intergrown with quartz, the main possible source would be quartz veins. Two possible source areas are known in the Sixtymile River area:
- gold bearing quartz-pyrite-arsenopyrite veins in metamorphic rocks in Miller Creek.
- gold bearing quartz-pyrite-arsenopyrite veinlets in volcanic rocks (Gold-Silver Property 'Delia-Wendy').

Samples of both gold occurrence:
- gold bearing quartz-pyrite-arsenopyrite veins in metamorphic rocks in Miller Creek (5; 6; 7; 12; 13; see Tab. 2)
- goldbearing quartz-pyrite-arsenopyrite veinlets in volcanic rocks (Gold-Silver Property 'Delia-Wendy'; 15; 16; 17; 21; see Tab. 3).

have been studied with the same method.

The characteristic features of sample 5; 6; 7; 12 and 13 are (Fig. 2):

- decrepitation maximum at about 450 °C.
- flat shoulder to decreasing temperatures down to about 200 °C.
- sharp quartz-inversion peak at about 570 - 590 °C.
- strong decrepitation activity.

Characteristic features of sample 15; 16; 17 and 21 are (Fig. 3):

- weak to moderate decripitation maximum at 470 to 480 °C.
- shoulder down to temperatures of about 300 °C.
- broad quartz-inversion peak at or below 600 °C.
- low to moderate decripitation activity.
- no or very weak maximum at about 250 °C, in the positive case indicating the presence of CO_2.

In comparison the above mentioned features of the decrepitometry study point to the gold bearing quartz veins in metamorphic rocks as the possible source of the placer gold.

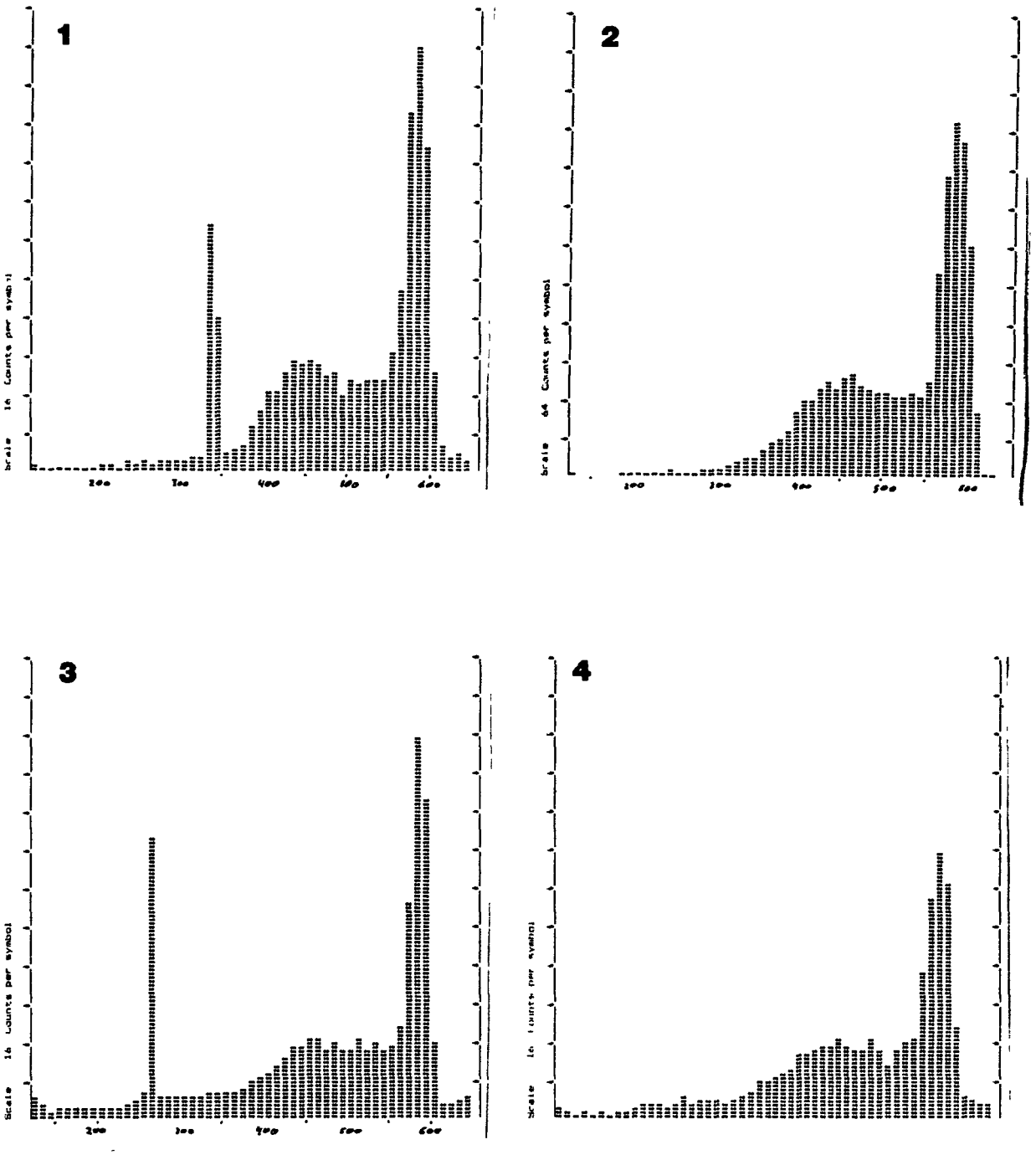

Fig. 1: Decrepitograms of sample 1 to 4, which represent gold-quartz grains out of placer deposits in Miller Creek and Sixtymile River (horizontal scale in T °C; 4 has the same scale as the others)

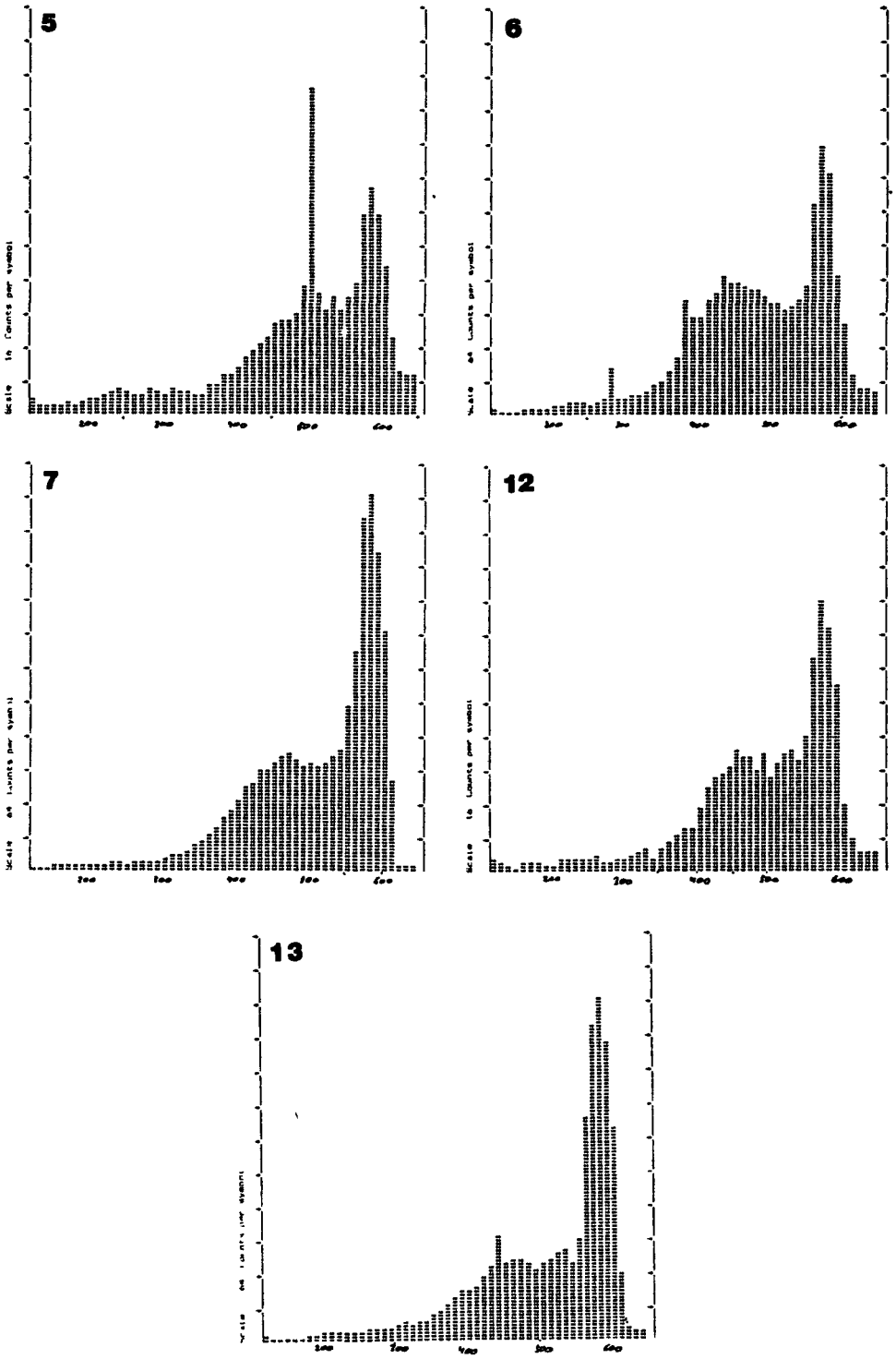

Fig. 2: Decrepitograms of quartz sample 5; 6; 7; 12; 13, which represent gold bearing quartz-pyrite-arsenopyrite veins in metamorphic rocks at Miller Creek (horizontal scale in T °C)

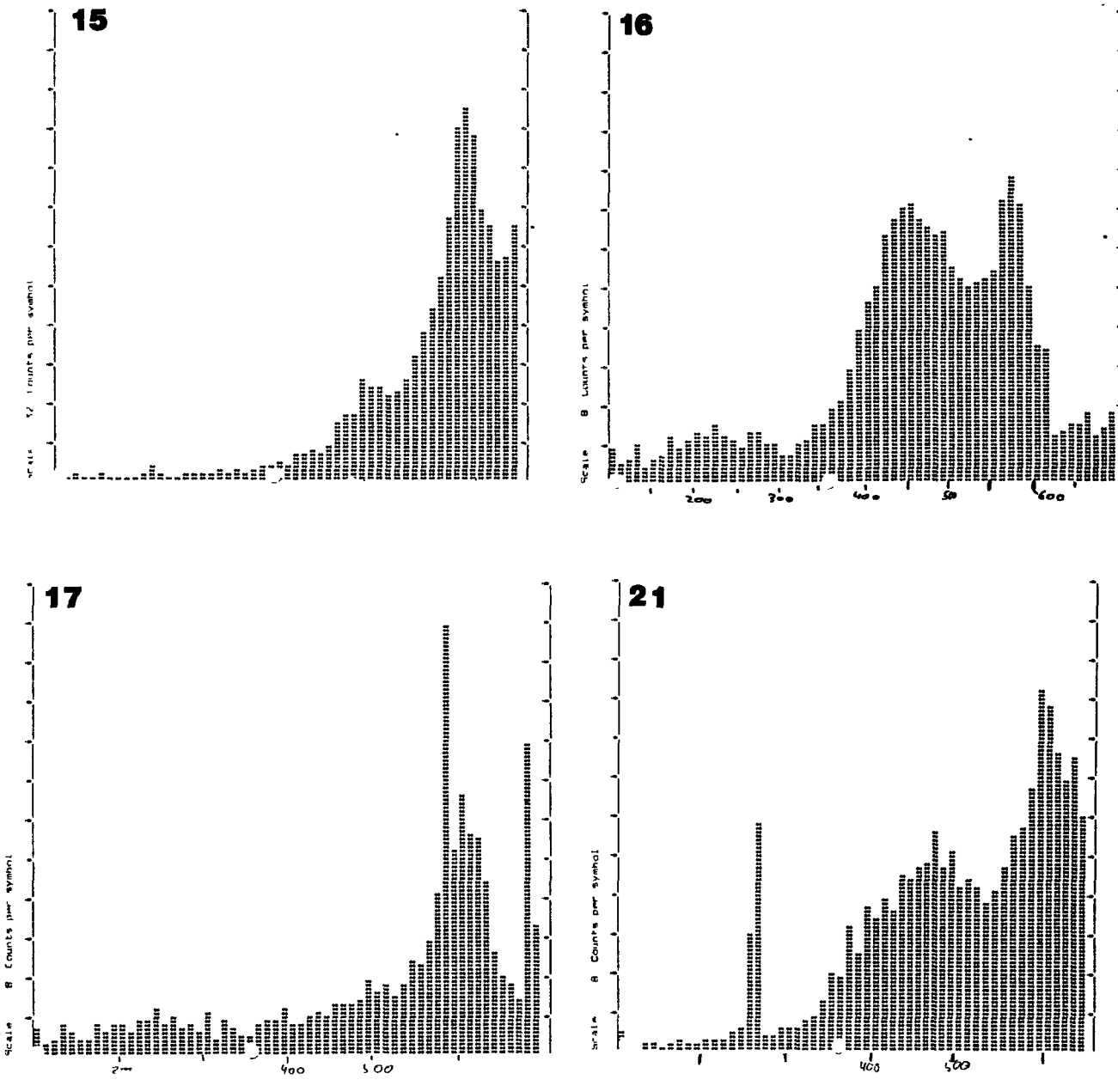

Fig. 3: Decrepitograms of quartz sample (partly chalcedony) 15; 16; 17; 21, which represent gold bearing quartz-pyrite-arsenopyrite veinlets in volcanic rocks (Gold-Silver Property 'Delia-Wendy'; horizontal scale in T °C)

3.2. Quartz samples from quartz veins in metamorphic rocks and from quartz-pyrite (partly chalcedony) veinlets of the Gold-Silver Property 'Delia-Wendy'

Pure quartz samples have been taken from quartz veins in metamorphic rocks in Miller Creek (8 to 10 and 14) and from quartz-pyrite (partly chalcedony) veinlets in volcanic rocks from surface outcrops (18 to 20 and 22 to 25) and from drill cores (26 to 38) of the Gold-Silver Property 'Delia-Wendy'.

Sample 14 show a similar pattern as the quartz samples from goldbearing quartz veins in metamorphic rocks in Miller Creek and the gold-quartz grains of placer deposits (Fig. 4). Therefore it is likely that this quartz vein can be gold mineralized.

The other samples (8 to 11) have a different decrepitation pattern and therefore it is unlikely that this quartz veins are enriched in gold, i.e. they show no relationship to those quartz veins enriched in gold.

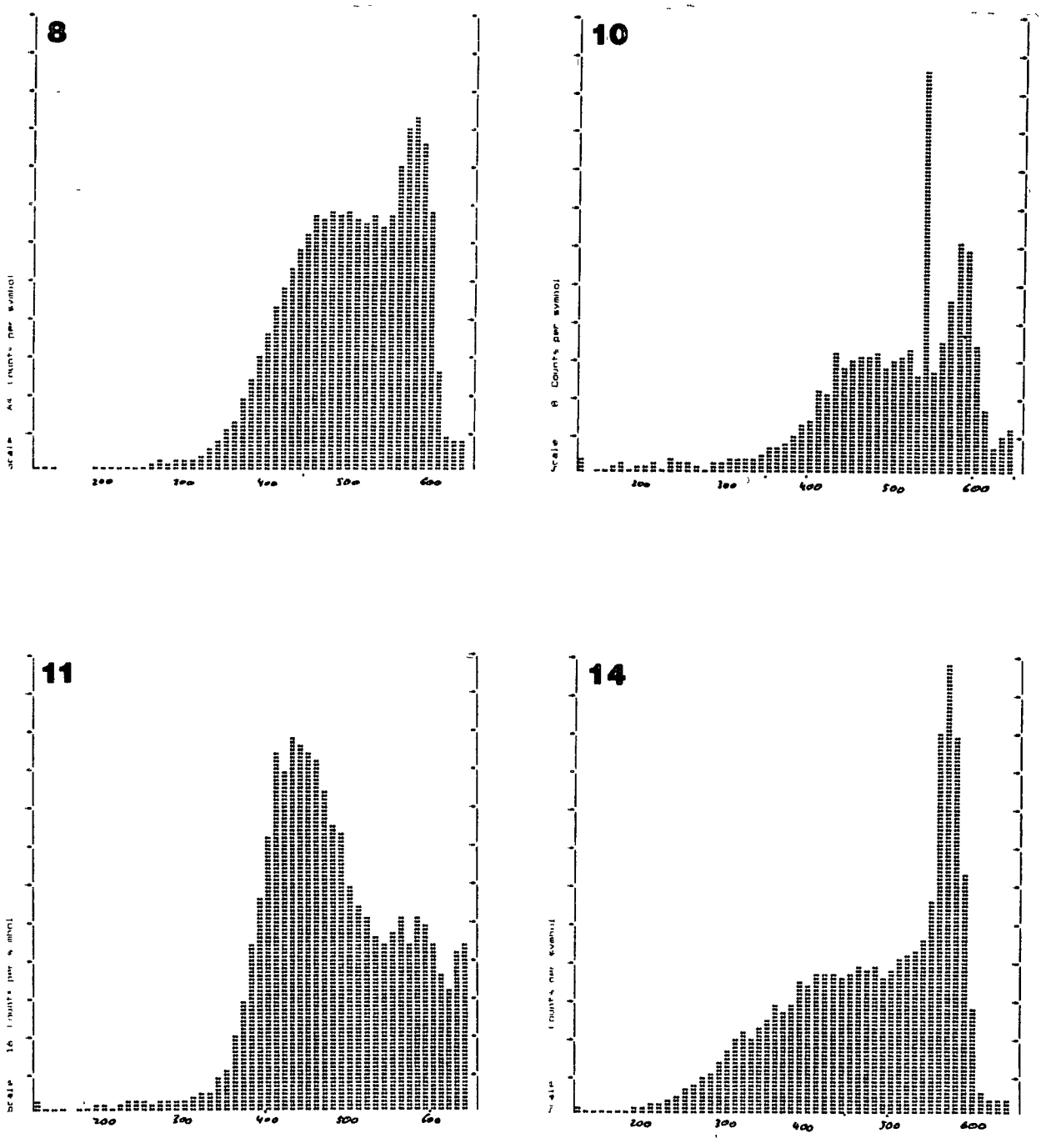

Fig. 4: Decrepitograms of quartz sample 8; 10; 11; 14, which represent different quartz veins in metamorphic rocks at Miller Creek (horizontal scale in T °C)

Decepitograms of quartz samples 15; 16; 17 and 21, which represent gold bearing quartz-pyrite-arsenopyrite veinlets serve as 'key diagrams' in interpreting the histograms of samples taken from quartz-pyrite veinlets (partly chalcedony) in volcanic rocks from surface outcrops and from drill cores.

Application of the above mentioned (page 12) characteristics on the decrepitograms of the other quartz samples (Fig. 5 to Fig. 9) revealed that most of them have similar features and are therefore thought to have been influenced by the same hydrothermal event. A strong relationship show samples 19 and 20. Sample 26 to 38 reveal some similarities, especially sample 28, 30 to 33 and 38. Broad peaks and missing or weak quartz inversion peaks at about 570 to 580 °C point to chalcedony-like quartz. Apart from 27, the decrepitation-maximum is shifted towards higher temperatures of about 480 - 500 °C.
Sample 30 to 36 have low decrepitation activities and main decrepitation-maxima at temperatures > 470 °C. Shoulders and small maxima at low temperatures of about 250 to 300 °C point to the presence of CO_2-bearing fluids.

The above mentioned features are reflecting the matter of fact, that only one new sample from the drill core, which has been studied with higher gold values.

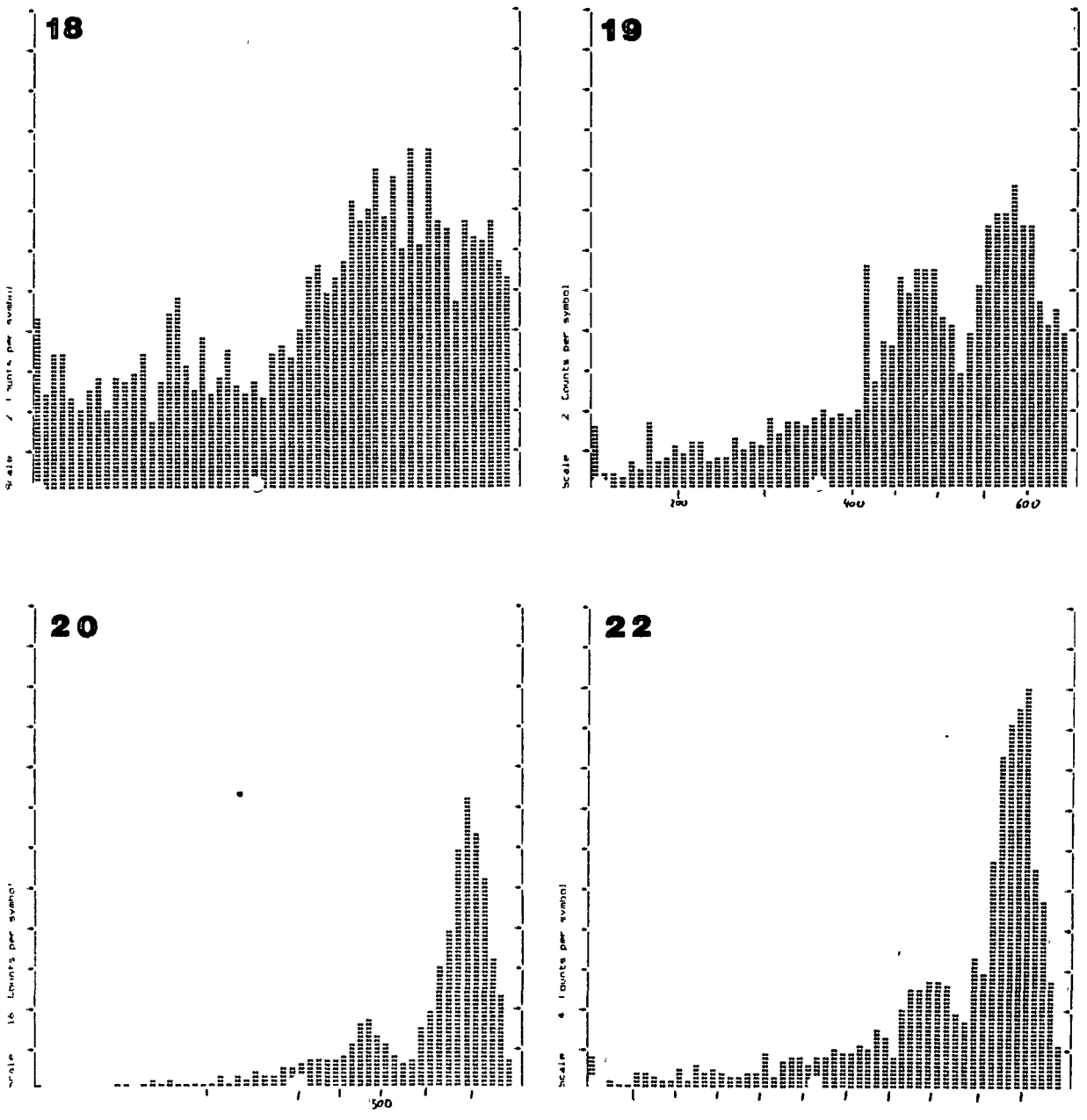

Fig. 5: Decrepitograms of quartz sample (partly chalcedony) 18; 19; 20; 22, which represent quartz-pyrite veinlets in volcanic rocks at the surface of the Gold-Silver Property 'Delia-Wendy'(horizontal scale in T °C; all have the same scale)

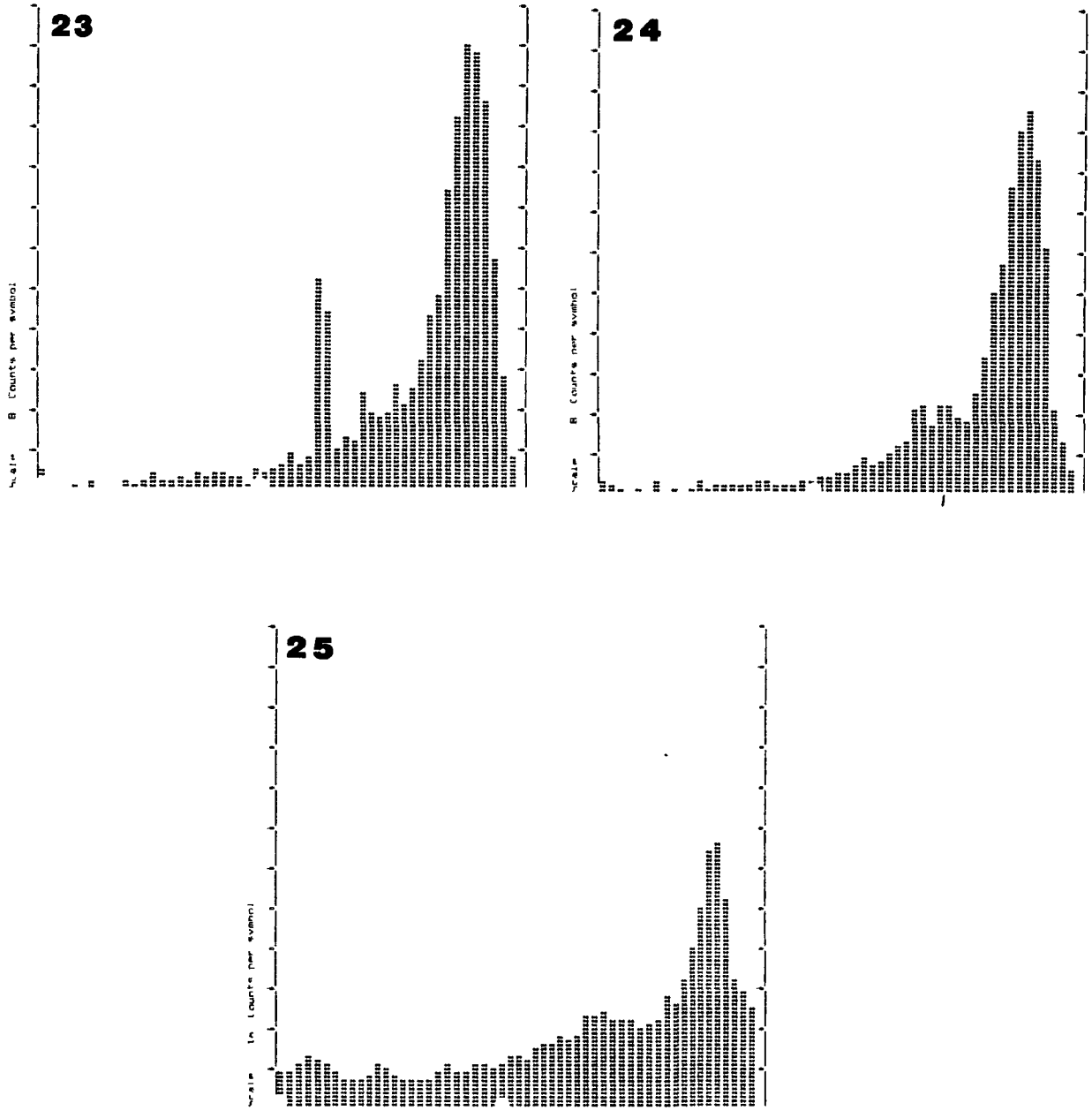

Fig. 6: Decrepitograms of quartz sample (partly chalcedony) 23; 24; 25, which represent quartz-pyrite veinlets in volcanic rocks at the surface of the Gold-Silver Property 'Delia-Wendy'(horizontal scale in T °C; all have the same scale)

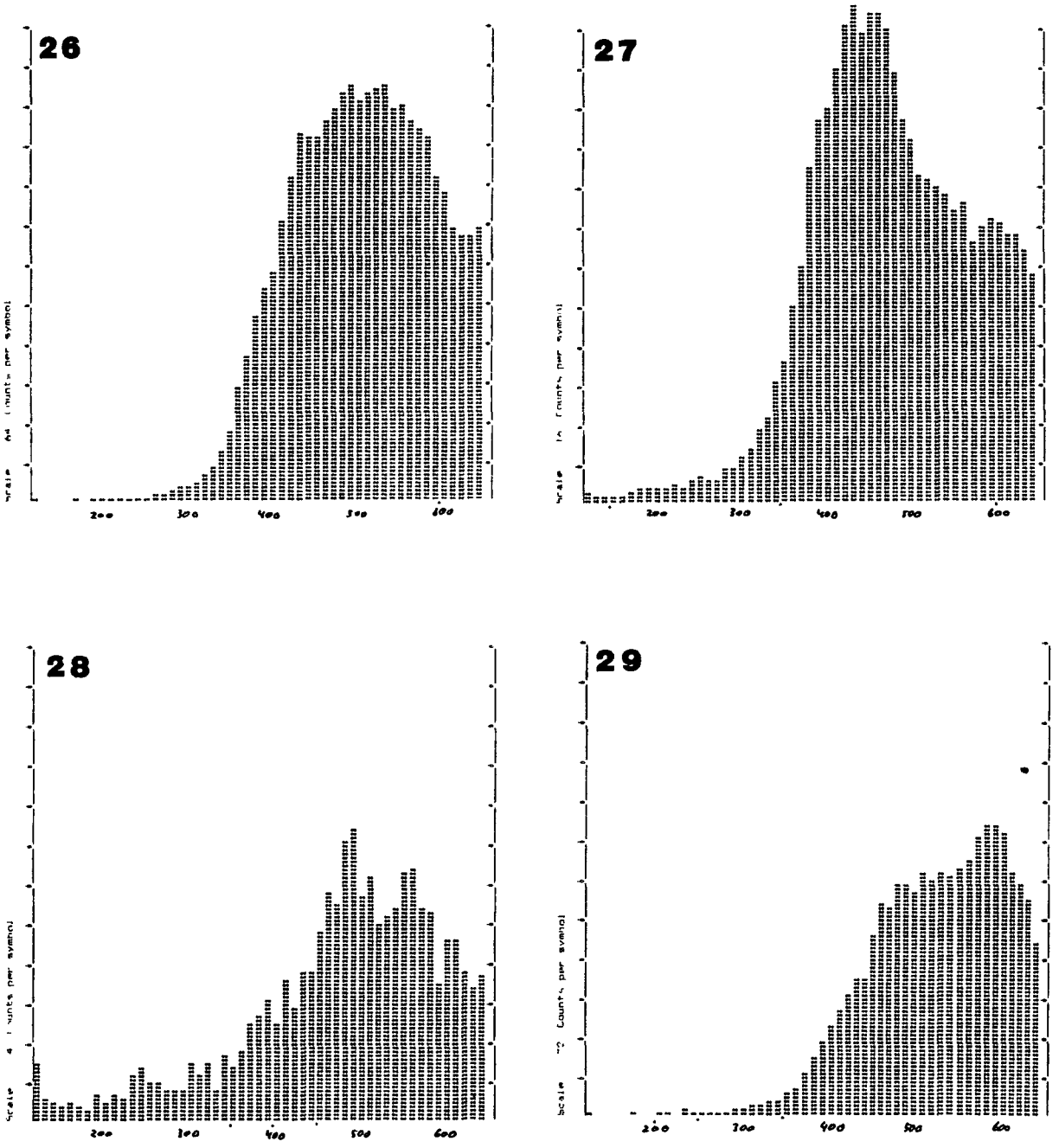

Fig. 7: Decrepitograms of quartz sample (partly chalcedony) 26 to 29, which represent quartz-pyrite veinlets in volcanic rocks in drill core D4/88-01 (26 - 28) and D4/88-02 (29) of the Gold-Silver Property 'Delia-Wendy' (horizontal scale in T °C)

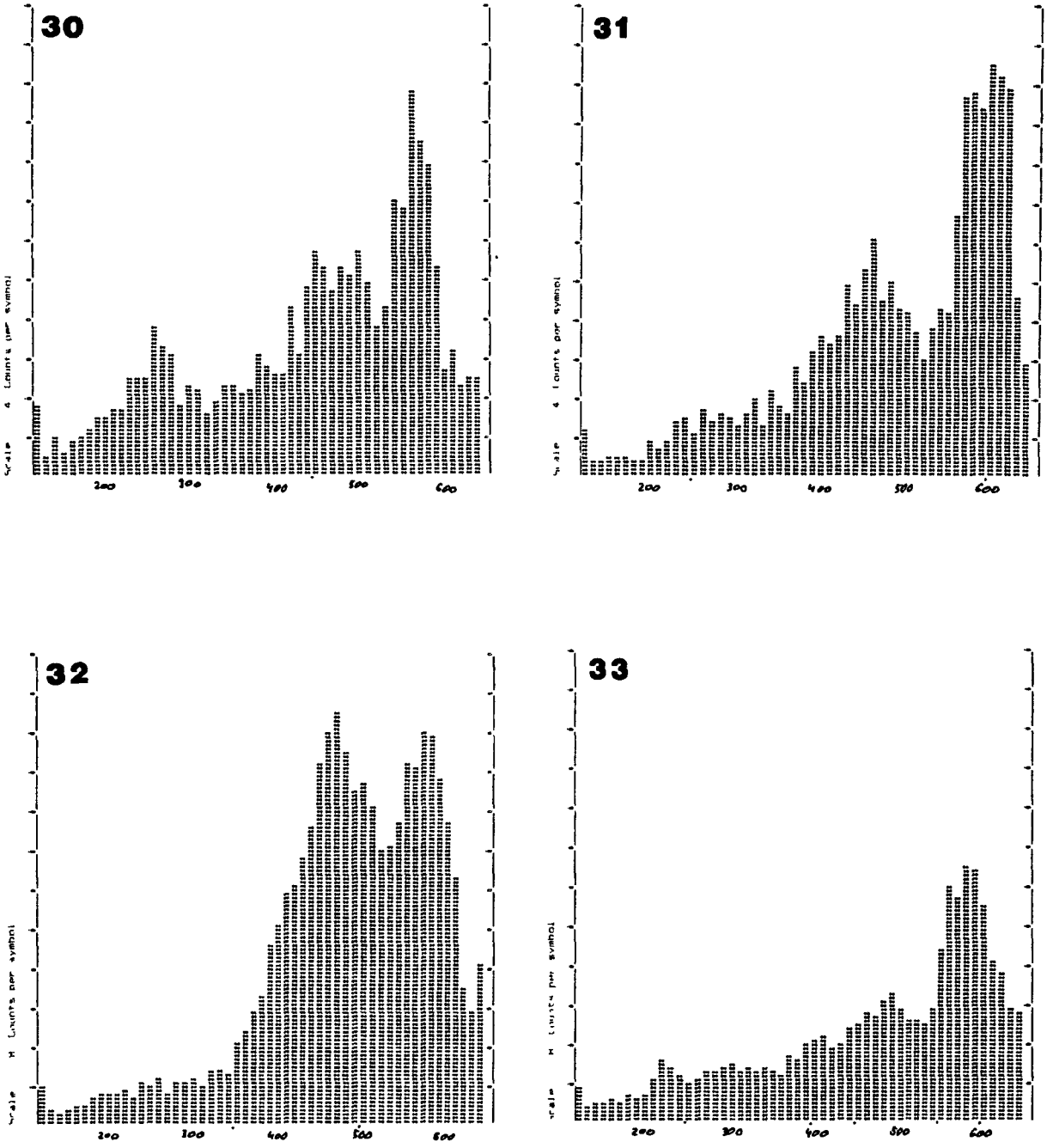

Fig. 8: Decrepitograms of quartz sample (partly chalcedony) 30 to 33, which represent quartz-pyrite veinlets in volcanic rocks in drill core D4/88-03 of the Gold-Silver Property 'Delia-Wendy' (horizontal scale in T °C)

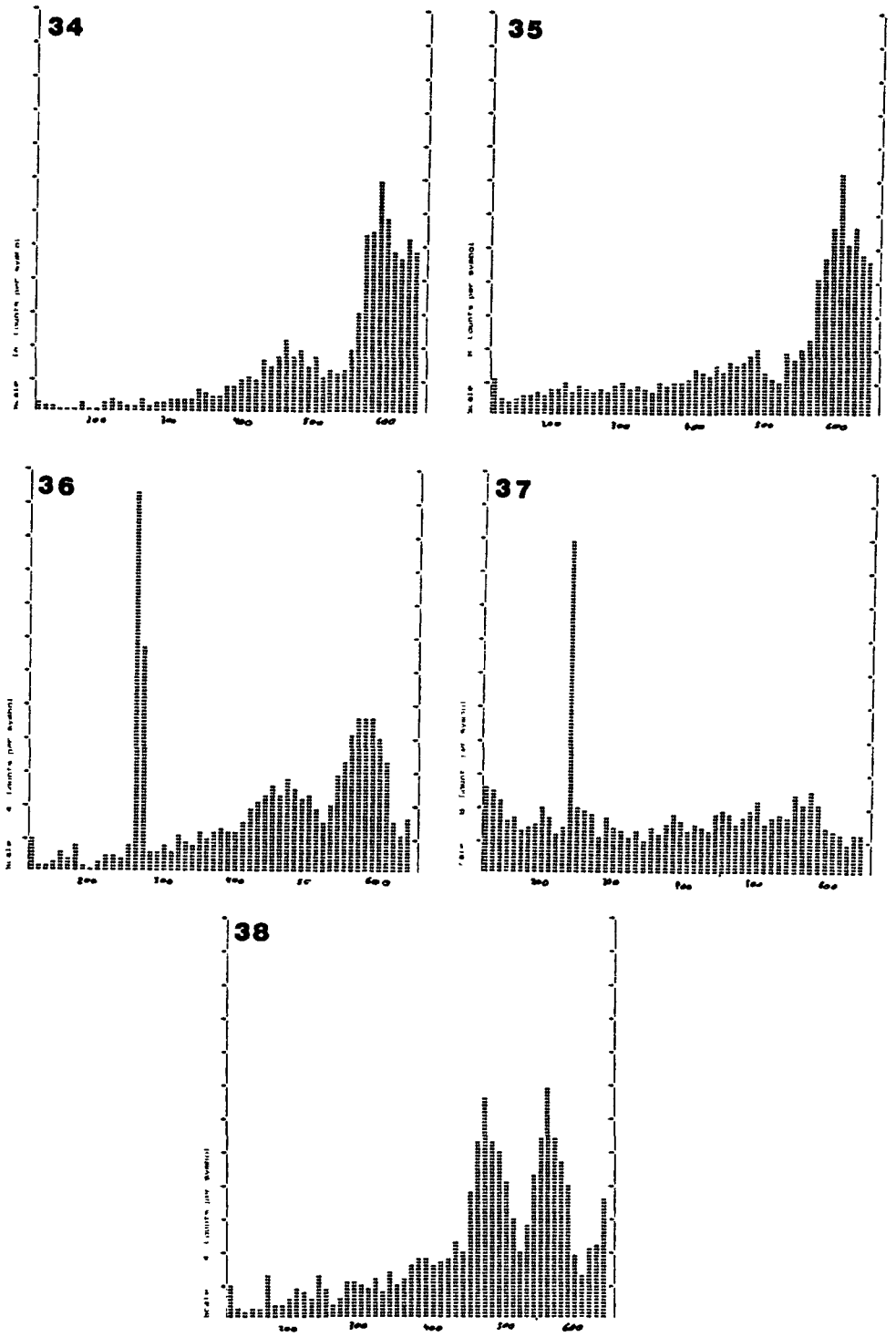

Fig. 9: Decrepitograms of quartz sample (partly chalcedony) 34 to 38, which represent quartz-pyrite veinlets in volcanic rocks in drill core D4/88-04 (34 - 36), D2/88-05 (37) and D2/88-06 (38) of the Gold-Silver Property 'Delia-Wendy' (horizontal scale in T °C)

REFERENCES

BURLINSON K.: An instrument for fluid inclusion decrepitometry and examples of its application (in prep.)

PART D: CONCLUSIONS AND RECOMMENDATION

by Dipl. Geol. U. Glasmacher

CONTENTS

FIGURES:

1. CONCLUSIONS

1.1. Conclusions regarding the geological-, drilling- and geochemical program.

This exploration program has been designed to follow up gold and silver enriched zones at the surface and to receive reliable geological informations on those parts of the property which are covered by tailings and/or Quarternary gravel deposits.
Regarding these aims drilling has shown that in general the surface lithology, mineralization and alteration exhibit vertical continuation (Part A, Chapter 7.3., page 28). The occurrence of mineralized granodioritic dikes with chilled margins point to multiple magmatic stages as well as tectonic movement during magmatic activity. Therefore channelways have been developed in the way that mineralizing hydrothermal fluids could migrate.
Different mineralizing stages (at least three) are developed at the property. Mineralogical studies on samples from surface outcrops as well as the results of the drilling program have shown that breccia zones occur and a younger generation of pyrite veinlets are crosscutting an older generation of pyrite veinlets. Both are crosscutted by younger chalcedonic and carbonate veinlets. Using the knowledge that boiling have been occured (fluid inclusion studies, see Part A, page 20) two fracturing processes, fracturing caused by hydrothermal overpressure or fracturing caused by tectonic activities, could have lead to the above mentioned features (crosscutting veinlets; see Part A, page 17, Chapter 6).
As the detailed mineralogical studies by the author during 1985 - 1987 has shown, gold has been enriched during all three stages.
This multiple mineralization point to a long lived hydrothermal system.

Using the gold silver distribution of all drillholes two distinct groups are developed. Where as drillhole D4/88-01 to D2/88-05 are enriched in gold, drillhole D2/88-06 and D2/88-07 are general characterized by higher silver values. This pattern is cohärent with the results of the mineralogical study on samples from surface outcrops done during 1985 - 1987 by the author. Drillhole D2/88-07 is located in an area where silver-base metall veinlets and stockwork occur. The area around D4/88-01 to D4/88-04 is general characterized by the occurence of gold-pyrite-arsenopyrite veinlets and stockwork.

Between 3.0 m and 15.0 m in drillhole D4/88-02 an average goldvalue of 7.1 ppm Au over 12.0 m occur with an enriched zone between 4.5 m and 6.0 m (1.2 oz/t Au over 1.5 m).
This gold enriched zone is accompanied by the enrichment of zinc and mercury. In respect to the gold values the silver values are low. These features in combination with the knowledge on the paragenetic- and mineral-chemical pattern of all three stages (see Part A; Chapter 6; page 21) point to gold enrichment during the second stage, which is characterized by gold-silver alloy with low silver values and the occurrence of sphalerite.
The zone of gold enrichment in drillhole D4/88-02 is accompanied by a zone of argillic alteration between 13.4 m and 22.7 m.
In this stage of exploration it isn't possible to give a safe answer regarding the question on horizontal and vertical continuation. The surface above this gold enriched zone is covered by tailings. An east - west crossection drawn across drillhole D4/88-02 and D4/88-03 has shown that drillhole D4/88-02 is characterized by two gold enriched zones and drillhole D4/88-03 only by one zone (see Part A; Chapter 7.3.; page 38). In drillhole D4/88-02 the first gold enriched zone is accompanied by argillic alteration to the depth, where as the second one has had no visible indications on argillic alteration.

None distinct argillic alteration has been seen around the gold enriched zone in drillhole D4/88-03. Using this pattern the first gold enriched zone in drillhole D4/88-02 might have a continuation to the west and the second one might be the continuation of gold enrichment in drillhole D4/88-03.

Silver enriched zones have been intersected in drillhole D4/88-02 between 47.5 m and 49.0 m (> 50 ppm Ag), in drillhole D2/88-07 between 4.8 m and 6.3 m (18.2 ppm Ag) and between 12.0 m and 12.6 m (11.2 ppm Ag). These higher silver values are accompanied by higher arsenic, copper, molybenum, lead, antimony, zinc and mercury values.

In general alteration is developed as a gradual transition from propylitic rocks to highly silicified rocks. Beside the argillic alteration no visible correlation has been seen between gold enrichment and alteration.

All the features of the gold-silver mineralization on the 'Delia-Wendy' Property are similar to those features which are known from volcanic hosted epithermal gold-silver deposits of the adularia-sericitic type.

1.2. Conclusions regarding the geophysical program.

A combined magnetic and electromagnetic (VLF) survey has been carried out. Data, which have been received by the magnetic survey point to positive magnetic anomalies above surface outcrops with propylitic to fresh volcanic rocks. Altered and mineralized volcanic rocks in surface outcrops on the property are characterized by negative magnetic anomalies.
This relationship has been used as an interpretation 'key' for those areas where hardrock is covered by tailings and/or Quarternary gravel deposits. The survey could show that porpylitic as well as altered and mineralized volcanic rocks are continuing through other parts of the property.

Several VLF-anomalies occur close to magnetic anomalies. This feature has been interpreted, using the knowledge on the mineralogical compositon of altered and mineralized volcanic rocks, as caused by the higher concentration of disseminated pyrite in altered and mineralized volcanic rocks.
Around drillhole D4/88-02 (highest gold values) the absence of a VLF anomaly is correlated with the absence of a magnetic anomaly. If this pattern is a general characteristic for gold enriched zones on the property has to be tested during further exploration work.

1.3. Conclusions regarding the decrepitation analyses.

Decrepitation analyses carried out on quartz samples from gold bearing quartz-pyrite-arsenopyrite veins and quartz veins with unknown gold content in metamorphic rocks, gold-quartz grains from different placer deposits, gold bearing quartz-pyrite-arsenopyrite veinlets and quartz-pyrite-arsenopyrite veinlets of unknown gold content have shown that the gold bearing quartz-pyrite-arsenopyrite veins in metamorphic rocks (Miller Creek) are the possible source of the gold-quartz grains from the placer deposits.
A significant differenz between the decrepitation pattern of gold bearing quartz-pyrite-arsenopyrite veins from metamorphic rocks and gold bearing quartz-pyrite-arsenopyrite from volcanic rocks have been detected. Therefore it would be possible to use this type of study in the field to locate possible gold enriched zones at the property.

2. RECOMMENDATION

Regarding further exploration work on the property, I would recommend a new drilling program combined by a trenching and detailed mapping program. The new drilling program should follow up the gold enriched zone of drillhole D4/88-02 (Fig. 1) and the silver enriched area around drillhole D2/88-07. The important fact of this drilling program would be to explore the continuation of the gold and silver enrichment and to receive more informations on the controlling process of the gold enrichment. Therefore it would be important to accompany this program by detailed mineralogic studies (thin sections, polished sections, fluid inclusion and XRD). The tectonic and geological mapping program should cover all open pits at the property as well as open pits in the surrounding area to understand the controlling tectonic process of the gold enriched zone. The mapping program could be combined with a reconnaissance geochemical survey. One important point of the mapping and geochemical program would be to determinate the boundary between the silver and gold enriched part of the property. If gold enriched zones are accompanied by argillic alteration a γ-ray log measured in the field on drill cores and surface samples can detect zones of argillic alteration and therefore be a pathfinder to gold enriched zones.

An important input to this new program would be given by geochemical analyses in the field. This would be possible using pathfinder elements as mercury, arsenic, copper, zinc with a crosscheck by lead (see Part A; page 59). Techniques (geochemical sets, XRF) are available on the market to do a quick semiquantitative survey on the element distribution. Similar XRF-techniques are available for semiquantitative checks on the gold distribution. The results can give hinds during the drilling and exploration program to gold enriched zones. In this way it would be possible to drill such zones during the same exploration program. Similar techniques are used in gold mines in South Africa to control the gold grade.

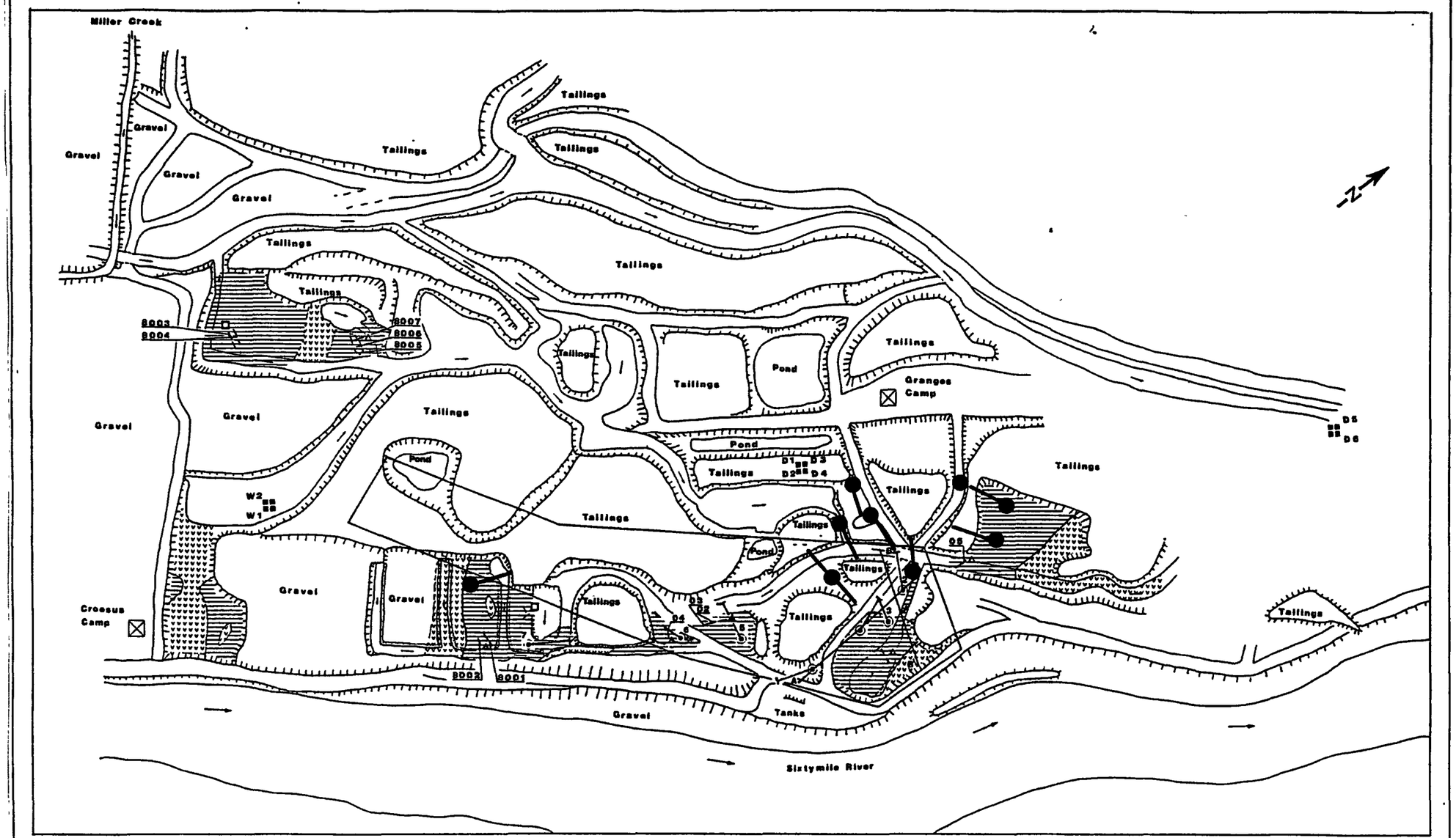

Fig. 4: Geological map on part of the gold-silver property Delia-Wendy (■ Claimpost; ◉ Drillhole location, ● Drillhole location new program)

EIP88-004
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A P P E N D I X I

Geological Map of Claim Delia 1 - Delia 6 with Drillhole Lokation

Miller Creek

Gravel
Gravel
Gravel
Gravel
Gravel
Gravel
Gravel

Tailings
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Tailings

8003
8004
8007
8006
8005

Pond
Pond
Pond

Granges Camp

D1 D2 D3 D4
D5 D6

W2 W1

Croesus Camp

01 02 03 04 05
A A' B B'
1 2 3 4 5 6 7

8002
8001

Tanks

Sixtymile River

N

0 50 100m

Map Units:

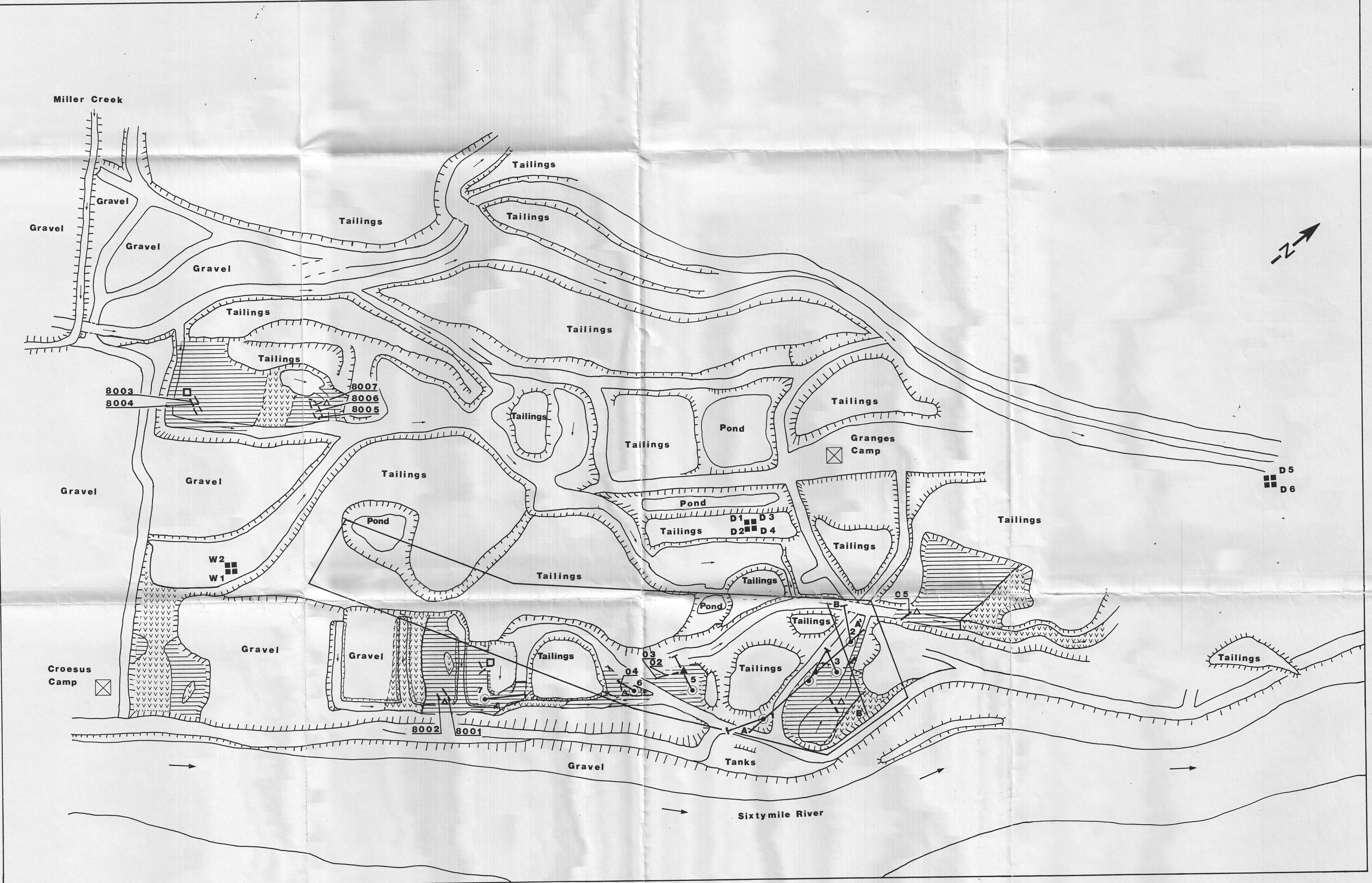
- Topographic High
- Topographic Low
- Waterflow
- Road
- Ford
- Claimpost
- D 1 — Delia 1
- W 1 — Wendy 1
- 1 — Drillhole 1
- Camp
- Propylitic Zone
- Highly Altered Volcanic Rocks
- Pyrite - Arsenopyrite Gold - Veinlet
- Pyrite - Chalcedony Veinlet
- Galena - Sphalerite Pyrite - Silver Veinlet
- 8001 — Samplenumber
- Drilling Direction
- Geological Map Fig. (1986)

Fig. : Geological Map of **DELIA 1 - 6** Claims with Drillhole Location

Property: **GOLD - SILVER PROPERTY 'DELIA - WENDY' SIXTYMILE RIVER AREA**
(lat. 63 59'30"N; long. 140 46'30"W)

KLONDIKE GOLD MINING CORPORATION

August 26, 1988 Dipl. Geol. U. Glasmacher



0 50 100m

Map Units:

Topographic High	Claimpost	Propylitic Zone	8001 Samplenumber
Topographic Low	D 1 Delia 1	Highly Altered Volcanic Rocks	Drilling Direction
Waterflow	W 1 Wendy 1	Pyrite - Arsenopyrite Gold - Veinlet	Geological Map Fig. (1986)
Road	Drillhole 1	Pyrite - Chalcedony Veinlet	
Ford	Camp	Galena - Sphalerite Pyrite - Silver Veinlet	

Fig. : Geological Map of **DELIA 1 - 6** Claims with Drillhole Location

Property: **GOLD - SILVER PROPERTY 'DELIA - WENDY' SIXTYMILE RIVER AREA**
(lat. 63 59'30"N; long. 140 46'30"W)

KLONDIKE GOLD MINING CORPORATION

August 26, 1988 Dipl. Geol. U. Glasmacher

A P P E N D I X II

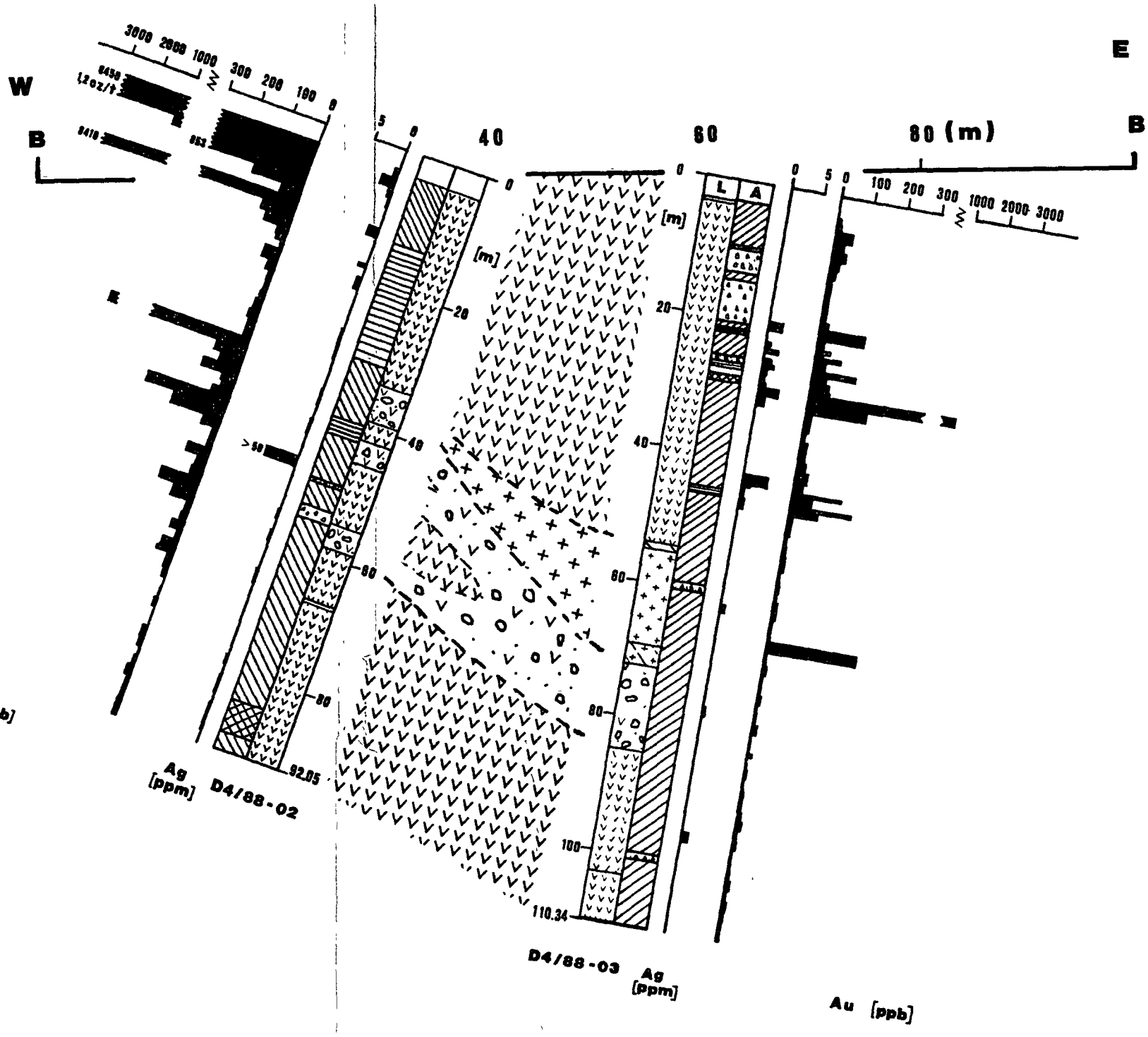
Crossection A - A'

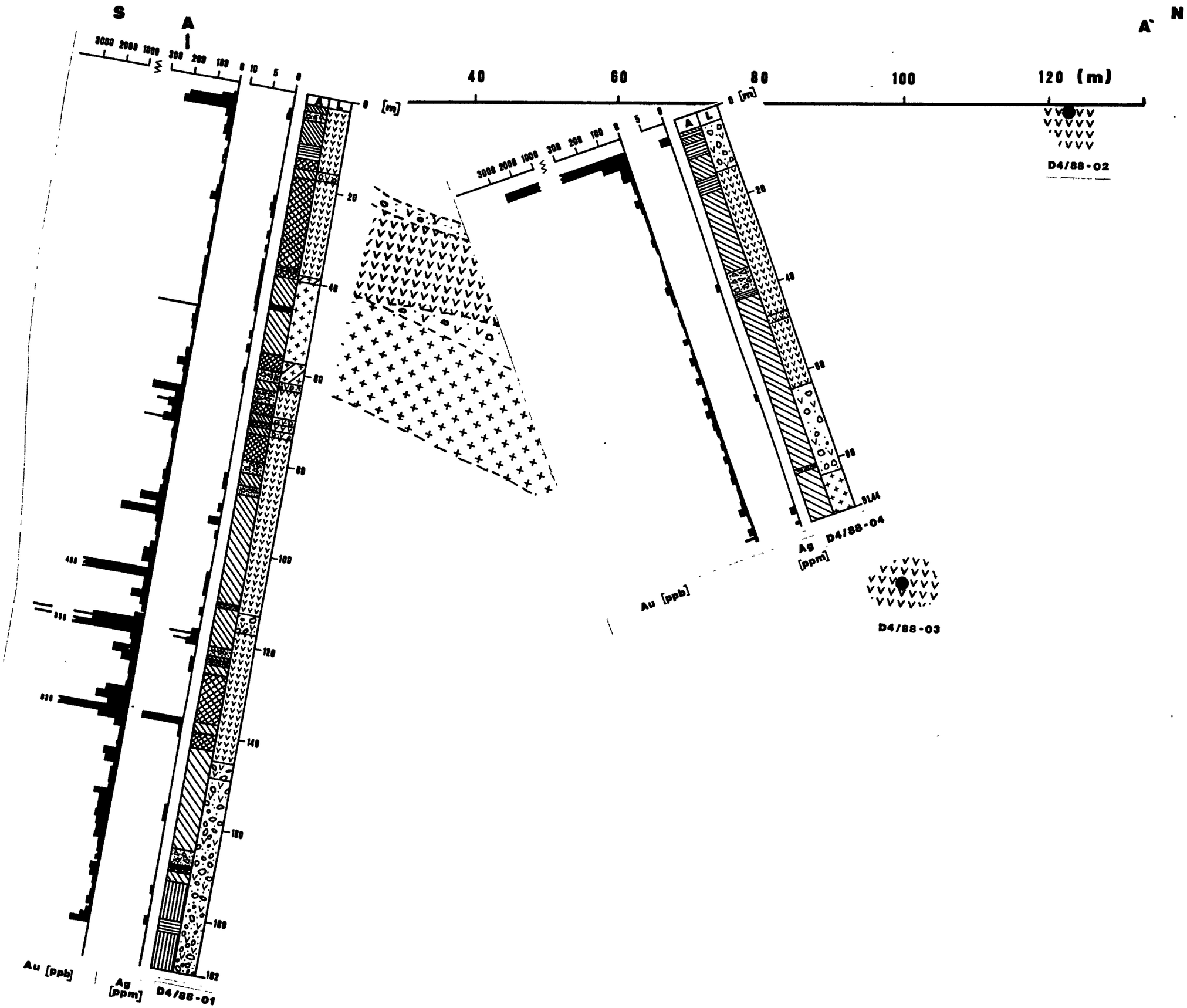
Crossection B - B'

LEGENDE:

Py	Pyrite
Cp	Chalcopyrite
Ap	Arsenopyrite
Gn	Galena
Sp	Sphalerite
Cl	Clayminerals
Qt	Quartz/chalcedony
Cc	Carbonate minerals

Column 'Vein and Alteration Mineralogy' represents a qualitative description of the occurrence of pyrite, chalcopyrite, arsenopyrite, galena, sphalerite, clayminerals, quartz and carbonate minerals.
All element values beside Au and Hg (ppb) are in ppm.


W
E
B
B`
3000 2000 1000 300 200 100 0
8498
1,2 oz/t
8419
852
0 40 80 (m)
0 5 0 100 200 300 1000 2000 3000
[m]
20
40
60
80
100
> 50
92.05
110.34
L
A
Au [ppb]
Ag [ppm]
D4/88-02
D4/88-03
Ag [ppm]
Au [ppb]


S
A
A'
N
3000 2000 1000
300 200 100 0
10 5 0
40
60
80
100
120 (m)
0 [m]
A L
20
40
60
80
100
120
140
160
180
182
D4/88-01
D4/88-02
D4/88-03
D4/88-04
Au [ppb]
Ag [ppm]

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 23. 07. 1988
completed: 28. 07. 1988

Azimuth/Dip: 200°/80°
Total depth: 192 m
Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2																					
4	dark grey, fine grained to porphyritic andesite	2.1 m - 3.7 m silicified with pyrite fissures (< 1 mm), diss. pyrite and chalcedony fissures 3.7 m - 5.2 m silicified breccia zone with pyrite fissures up to 1 cm wide, carbonate fissures and banded pyrite-carbonate-chalcedony fissures (< 0.6 cm wide) 5.2 m - 7.0 m highly silicified with diss. pyrite and carbonate blebbs and stringers 7.0 m - 8.1 m less silicified 8.1 m - 10.7 m highly silicified with diss. pyrite, pyrite-quartz fissures and chalcedony fissures 10.7 m - 13.4 m argillic alteration with minor diss. pyrite and pyrite fissures and carbonate fissures 13.4 m - 16.0 m stronger silicified with chalcedonic stockwork and pyrite fissures (< 2 mm)									1001	0.6	12	<0.5	7	14	5	31	<5	109	25
											1002	0.9	62	<0.5	55	9	7	44	<5	971	45
											1003	0.9	199	0.9	278	30	3	566	<5	1817	130
											1004	1.3	219	1.0	37	13	7	239	<5	461	35
6											1005	1.8	33	<0.5	20	9	5	33	<5	64	25
8											1006	1.8	23	<0.5	17	7	10	26	<5	152	25
10											1007	1.8	30	<0.5	15	5	7	19	<5	63	30
2											1008	1.5	12	<0.5	15	9	1	17	<5	78	20
4											1009	1.8	8	<0.5	11	9	3	27	<5	171	30
6	dark grey to black, medium to coarse grained pyroclastic unit with metamorphic, andesitic and pegmatitic clasts, clast size < 3 cm,										1010	1.5	11	<0.5	6	9	1	40	<5	122	20
											1011	1.8	14	<0.5	5	10	9	35	<5	87	25
8	grey, fine grained andesite	18.0 m - 38.7 m stronger chalcedonic stockwork with pyrite fissures banded chalcedonic fissures and veinlets at 18.7 m banded pyrite-chalcedony-carbonate veinlet (< 2 cm)									1012	1.6	7	<0.5	8	3	<1	18	<5	55	15
20											1013	0.6	10	<0.5	12	6	<1	9	<5	18	15

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 880 m
Hole started: 23. 07. 1988 completed: 28. 07. 1988

Azimuth/Dip: 200°/80°
Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0	grey, fine grained andesite	at 36.9 m chalcedonic veinlet (< 2 cm wide) 37.8 m - 38.4 m intensive brecciation with chalcedonic matrix and diss. pyrite 38.7 m - 39.8 m chalcedonic stockwork with pyrite fissures								
40	fine grained chilled margin of an granodioritic dyke (1 m wide)									

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
1014	1.1	12	<0.5	12	6	1	8	<5	12	10
1015	1.6	11	<0.5	9	3	3	10	<5	38	15
1016	1.6	22	0.7	12	6	4	44	<5	168	20
1017	1.5	40	1.1	16	19	6	56	<5	93	20
1018	1.6	9	0.6	<5	4	3	30	<5	112	30
1019	1.5	8	<0.5	<5	5	3	43	<5	99	35
1020	1.6	12	<0.5	<5	7	2	59	<5	131	30
1021	1.5	11	0.6	7	9	2	104	<5	266	30
1022	1.5	11	<0.5	5	15	1	64	<5	196	40
1023	1.5	9	0.6	7	8	< 1	103	<5	355	40
1024	1.5	15	<0.5	9	20	< 1	152	<5	460	40
1025	1.5	11	0.5	7	14	4	127	<5	337	30
1026	0.9	17	0.6	<5	10	4	105	<5	324	35
1027	1.5	15	0.7	<5	6	< 1	92	<5	355	40

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 200°/80°

Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2		at 41.8 m stronger argillic alteration									1028	1.5	14	0.7	5	20	<1	89	<5	230	35
4		at 43.6 m banded chalcedonic veinlet with pyrite and carbonates (3 cm wide)									1029	1.5	11	0.6	<5	12	1	69	<5	132	25
6		at 43.9 m pyrite-chalcedony fissures (< 3 mm)									1030	1.5	9	0.6	<5	4	1	60	<5	252	35
8		46.3 m - 46.8 m stronger argillic alteration with minor carbonates									1031	1.5	10	0.7	<5	4	<1	40	<5	111	20
50	fine grained granodioritic dyke	at 49.5 m zone (6 cm wide) of narrow (< 1.5 cm) pyrite-carbonate veinlets with crosscutting chalcedony fissures (sample 1042)									1032	1.5	8	0.5	5	4	<1	42	<5	162	15
											1033	1.5	11	<0.5	10	5	1	12	<5	38	10
											1034	1.5	19	<0.5	14	11	2	17	<5	59	15
2											1035	1.5	15	<0.5	<5	6	1	26	<5	50	10
4		56.8 m - 60.7 m stockwork with chalcedony and pyrite fissures									1036	1.6	8	0.6	<5	9	<1	34	<5	104	20
											1037	1.5	8	<0.5	<5	8	<1	58	<5	169	20
6											1038	1.5	7	0.7	<5	5	<1	35	<5	108	30
8											1039	1.5	7	<0.5	<5	3	<1	17	<5	54	10
60	fine grained chilled margin of an granodioritic dyke (3 m wide)										1040	1.5	22	<0.5	14	7	<1	6	<5	40	20

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

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Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
2		60.0 m - 62.2 m breccia zone, strongly silicified with minor chalcedony-pyrite fissures and carbonate fissures (< 3 mm)								
	same pyroclastic unit as between 15.70 - 17.50 m	silicified with carbonate fissures								
4	grey fine grained andesite	63.7 m - 64.3 m strongly silicified with carbonate-pyrite-chalcedony stringers; open cavities								
6		64.3 m - 67.5 m breccia, partly strong silicified with diss. pyrite and partly argillic alteration								
8		67.5 m - 69.8 m stronger stockwork with diss. pyrite and silicification								
70		69.8 m - 71.3 m banded carbonate veinlet (10 cm wide) with dolomite and calcite in the middle part and pyrite in the outer parts (sample 1052; 1053)								
	same pyroclastic unit as between 15.70 - 17.50 m									
2		strongly brecciated with chalcedonic matrix and diss. pyrite								
4	same pyroclastic unit as between 15.70 - 17.50 m	silicified, diss. pyrite and pyrite-carbonate-chalcedony veinlet at 74.2 m (< 1 cm) (sample 1054)								
6	grey, porphyritic to fine grained andesite	chalcedonic stockwork up to 1 cm wide, diss. pyrite, minor argillic alteration and brecciation								
8										
80		stronger stockwork with diss. pyrite								

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
1041	0.6	19	<0.5	15	41	5	27	< 5	83	30
1043	1.6	49	0.6	17	38	3	28	<5	96	15
1044	1.5	19	0.6	10	11	2	53	<5	176	20
1045	1.5	17	<0.5	16	31	3	64	<5	163	30
1046	1.5	15	<0.5	12	24	2	32	<5	158	30
1047	1.5	144	<0.5	29	7	9	15	<5	50	20
1048	1.5	30	<0.5	16	90	4	18	<5	89	20
1049	1.6	56	<0.5	20	233	48	12	<5	51	15
1050	1.6	35	<0.5	16	21	1	12	<5	81	15
1051	1.5	72	<0.5	12	7	<1	23	<5	85	20
1055	1.8	16	<0.5	8	14	12	36	<5	122	15
1056	1.8	19	<0.5	7	9	2	44	<5	130	10
1057	1.8	10	<0.5	10	18	2	42	<5	135	10

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 200°/80°

Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2		80.0 m - 82.9 m breccia with diss. pyrite and chalcedonic fissures (< 1 cm), minor argillic alteration									1058	1.8	11	<0.5	7	9	<1	50	<5	141	15
4		85.6 m - 87.2 m breccia with chalcedonic matrix and diss. pyrite									1059	1.8	11	<0.5	<5	8	<1	44	<5	141	10
6		generally silicified with diss. pyrite									1060	1.8	16	0.7	11	20	<1	53	<5	154	30
8											1061	1.8	26	<0.5	24	6	2	29	<5	111	25
90											1062	1.6	20	<0.5	6	17	<1	53	<5	205	30
2		90.5 m - 94.5 m stronger mineralized with pyrite-carbonate-chalcedony and carbonate veinlets									1063	1.6	31	<0.5	6	11	3	62	<5	168	30
4		at 93.3 m banded carbonate fissures with cavities pyrite and chalcopyrite (sample 1081)									1064	1.6	109	0.9	44	68	8	83	<5	174	20
6		at 93.5 m pyrite-chalcedony veinlet (< 2 cm) with chalcopyrite and carbonate veinlet (< 2 cm) (sample 1082)									1065	1.5	35	<0.5	21	17	4	11	<5	45	15
8											1066	1.5	186	2.4	132	42	4	53	<5	62	20
100											1067	1.5	23	<0.5	21	6	7	16	<5	82	20
											1068	1.5	14	0.5	10	10	5	28	<5	133	15
											1069	1.5	12	<0.5	<5	9	<1	24	<5	118	10

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 200°/80°

Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
2		pyrite fissures (< 1 mm) with chalcedony at 100.8 m, 101.5 m and 103.9 m at 107.9 m pyrite-carbonate-quartz veinlet (1 cm) 111.6 m - 112.6 m strongly brecciated with argillic alteration at 113.0 m narrow chalcedony fissures								
4	grey, coarse grained pyroclastic unit, clast supported	at 115.5 m pyrite fissures silicified, diss. pyrite with carbonate fissures (< 1 mm)								
6										
8	grey, fine grained andesite	generally silicified, diss. pyrite at 119.3 m massive banded pyrite-carbonate-chalcedony veinlet (< 5 cm wide) with chalcopyrite (sample 1086)								
110										
2										
4										
6										
8										
120										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
1070	1.6	9	<0.5	<5	5	13	19	<5	146	10
1071	1.6	24	<0.5	<5	11	4	28	<5	130	15
1072	1.5	56	<0.5	<5	8	1	18	<5	114	15
1073	1.5	54	<0.5	6	23	2	22	<5	143	15
1074	1.6	18	0.6	14	6	<1	35	<5	130	10
1075	1.6	468	0.7	25	11	4	49	<5	105	10
1076	1.5	26	0.6	11	32	<1	320	53	116	20
1077	1.5	25	<0.5	<5	29	1	55	<5	132	20
1078	1.5	76	<0.5	8	0	<1	79	<5	171	25
1079	1.5	34	0.5	7	19	<1	69	7	116	20
1080	1.5	27	<0.5	7	14	<1	54	5	112	10
1083	0.3									
1084	1.5	37	<0.5	19	8	3	47	<5	91	30
1085	2.0	218	1.5	42	179	2	79	<5	114	30

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 200°/80°

Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
	grey, fine grained andesite										1088	1.0	356	2.3	111	283	2	71	14	52	40
2		at 120.4 m brecciated pyrite-carbonate-chalcedony veinlet (< 5 cm) healed by chalcedony, pyrite and chalcopyrite (sample 1087)									1089	1.5	38	<0.5	17	20	3	30	<5	94	35
4		121.0 m - 123.0 m strongly brecciated with carbonate as open space fillings									1090	1.5	33	<0.5	10	19	4	21	<5	80	30
6		123.7 m - 124.7 m strongly brecciated with carbonate as open space fillings									1091	1.5	108	0.7	21	82	6	91	8	73	20
8		127.1 m - 137.8 m chalcedonic stockwork									1092	1.5	65	0.8	26	85	2	57	<5	164	15
130		137.8 m - 140 m pyrite-quartz-carbonate veinlet (< 2 cm) with chalcopyrite and molybdenite at 139.6 m									1093	1.5	22	<0.5	<5	12	2	36	<5	95	10
											1094	1.5	23	<0.5	<5	7	4	31	<5	103	10
											1095	1.5	18	<0.5	<5	13	5	48	5	136	65
2											1096	1.5	23	<0.5	<5	89	1	23	<5	107	45
4											1097	1.5	108	<0.5	7	37	2	31	<5	166	30
6											1098	1.5	146	<0.5	8	61	1	30	<5	130	30
											1099	1.5	89	<0.5	15	19	2	58	6	130	10
8											1100	1.2	839	9.0	24	403	2	188	14	154	10
140											1101	1.3	119	0.6	16	24	9	50	<5	149	10

PROPERTY: 'DELIA - WENDY' (SMB) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 200°/80°

Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
0		140.0 m - 143.3 m strong stockwork developed with chalcedony veinlets (< 2 cm)									1102	1.5	41	0.5	<5	18	<1	55	<5	115	40
2		at 143.0 m carbonate-pyrite-quartz veinlet (1 cm) with chalcopyrite									1103	1.5	14	<0.5	<5	11	6	27	<5	119	20
4											1104	1.8	14	<0.5	<5	9	2	51	<5	98	20
											1105	0.6	18	<0.5	<5	7	<1	37	<5	113	10
6											1106	0.9	15	<0.5	<5	8	1	93	11	108	5
8	interfingering of pyroclastic units with andesitic flow										1107	1.6	71	<0.5	<5	13	<1	248	27	103	20
											1108	1.5	55	<0.5	<5	14	<1	301	41	108	15
150		145.4 m - 192.0 m diss. pyrite and stronger silicification									1109	1.5	13	<0.5	<5	7	1	26	<5	103	15
2	grey, coarse grained pyroclastic unit, clast supported with clasts < 5 cm in size	at 151.2 m banded carbonate veinlet (< 2 cm)									1110	1.5	26	<0.5	5	10	2	45	<5	119	60
		at 154.5 m pyrite fissures with silicified seams									1111	1.5	23	<0.5	6	22	1	951	147	144	20
4	grading into a light to dark green pyroclastic unit as above	at 159.6 m banded carbonate-chalcedony-pyrite fissure (< 5 cm)									1112	1.5	20	<0.5	20	38	1	97	9	197	30
6											1113	1.5	83	<0.5	27	65	1	99	<5	182	35
											1114	1.5	49	0.6	20	20	<1	54	<5	175	30
8											1115	1.6	49	0.8	27	26	<1	82	7	363	25
160																					

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 200°/80°

Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
		165.8 m - 168.8 m breccia zone with banded chalcedonic clasts									1116	1.6	55	<0.5	8	77	1	57	7	1723	10
2		168.8 m - 169.8 m higly argillic alteration									1117	1.5	44	<0.5	10	25	<1	43	<5	156	10
4		169.8 m - 170.7 m breccia with carbonate-clay as open space fillings and diss. pyrite									1118	1.5	29	<0.5	13	29	<1	39	<5	135	10
											1119	1.2	44	<0.5	8	23	1	68	<5	206	20
6		170.7 m - 172.8 m highly silicified with up to 2 cm wide chalcedonic veinlets and crosscutting carbonate fissures (< 1 mm) and diss. pyrite									1120	1.6	23	<0.5	<5	14	2	38	<5	184	20
8		172.8 m - 181.0 m propylitic alteration with epidote and chlorite and pyrite, banded pyrite-carbonate veinlets (< 0.5 cm) at 173.4 m, 174.0 m, 175.3 m and 176.5 m									1121	1.5	17	<0.5	<5	22	4	20	<5	126	15
											1122	0.9	22	<0.5	<5	19	3	21	<5	104	10
170											1123	0.9	7	<0.5	10	23	<1	54	5	100	95
											1124	0.9	35	<0.5	19	46	<1	165	17	245	50
2											1125	1.3	37	<0.5	14	57	<1	43	<5	212	25
4											1126	1.5	16	<0.5	7	20	<1	113	13	199	10
											1127	1.5	10	0.5	<5	8	<1	43	<5	219	10
6											1128	1.5	13	<0.5	<5	17	<1	37	9	212	10
8											1129	1.5	24	<0.5	<5	14	<1	66	8	264	30
180											1130	1.5	8	<0.5	<5	8	<1	96	<5	171	20

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 01

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 200°/80°

Hole started: 23. 07. 1988 completed: 28. 07. 1988

Total depth: 192 m Total samples: 134

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0										
2		181.0 m - 183.8 m less silicified with argillic alteration with small carbonate fissures at 181.4 m and at 182.0 m								
4		183.8 m - 185.9 m propylitic alteration with minor carbonate fissures								
6		185.9 m - 186.5 m argillic alteration with banded chalcedony-carbonate veinlets (< 1 cm wide)								
8		186.5 m 192.0 m propylitic alteration with carbonate veinlets at 191.7 m								
190										
2										
4										
6										
8										
200										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
1131	0.6	19	<0.5	<5	65	<1	63	<5	154	20
1132	1.5	43	0.6	14	158	<1	25	<5	157	25
1133	1.2	87	<0.5	6	389	<1	12	<5	147	10
1134	0.9	78	<0.5	9	188	2	15	<5	174	10

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D4/88 - 02

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 28. 07. 1988
completed: 30. 07. 1988

Azimuth/Dip: 298° /70°
Total depth: 92.05 m
Total samples: 62

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay - Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2																					
4	grey, porphyritic andesite	diss. pyrite; strong silicification; open cavities (filled by pyrite) and narrow pyrite-carbonate-quartz fissures between 5.8 m - 6.4 m and at 7.0 m									2001	1.5	8457	1.6	152	12	6	70	<5	568	240
6											2002	1.5	oz/t 1.23	4.3	152	27	9	70	<5	6166	1000
											2003	1.5	1228	1.3	88	16	5	50	<5	252	60
8											2004	1.5	853	0.7	87	7	4	26	<5	193	60
10											2005	1.5	157	<0.5	57	7	2	14	<5	49	80
2		diss. pyrite, strong silicification, pyrite fissures with minor carbonates and quartz between 8.2 m - 8.5 m, 9.8 m - 10.4 m, 12.5 m - 12.8 m and 13.1 m - 13.4 m									2006	1.5	62	<0.5	39	16	<1	13	8	49	60
											2007	1.5	8412	3.1	318	20	<1	66	<5	148	60
4		13.4 m - 22.7 m strong argillic alteration with pyrite-quartz-carbonate veinlets									2008	1.5	100	<0.5	46	4	<1	14	<5	38	25
6		17.7 m - 19.8 m highly silicified with pyrite-carbonate-quartz fissures and open cavities									2009	1.3	79	<0.5	41	4	1	10	7	45	25
											2010	1.3	37	<0.5	25	9	2	17	<5	45	40
8											2011	0.7	31	2.3	130	14	5	944	7	193	100
											2012	1.5	14	<0.5	29	14	1	285	<5	161	75
20																					

PROPERTY: 'DELIA - WENDY' (SMB) HOLE NO.: D4/88 - 02

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 298°/70°

Hole started: 28. 07. 1988 completed: 30. 07. 1988

Total depth: 92.05 m Total samples: 82

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
											2013	1.8	50	1.5	60	10	1	191	<5	192	60
											2014	1.5	25	<0.5	25	17	<1	54	<5	129	40
											2015	1.5	16	<0.5	11	8	1	50	<5	111	110
		20.4 m - 20.7 m pyrite-quartz fissure (< 2 mm)									2016	1.5	17	<0.5	14	16	2	43	<5	97	45
		22.7 m - 30.8 m more argillic alteration with some pyrite-carbonate-quartz fissures									2017	1.5	19	<0.5	22	9	<1	40	<5	135	55
		28.3 m - 29.0 m pyrite-quartz fissure (< 2 mm)									2018	1.5	24	0.6	29	8	<1	70	<5	79	40
		at 33.4 m carbonate veinlet with pyrite									2019	1.5	29	0.9	24	24	1	59	<5	114	40
											2020	1.5	25	0.6	32	43	1	50	<5	144	55
											2021	1.5	25	<0.5	18	28	<1	54	<5	110	40
	dark grey to black, medium to coarse grained pyroclastic unit with metamorphic, andesitic and granitic clasts; clast supported; clasts partly rounded; clast size < 6 cm, grading downwards to a black, medium grained matrix supported pyroclastic unit (clasts are the same as above, clast size < 3 cm) at 35.50 m grey, porphyritic andesite dyke (10 cm wide)	highly silicified with diss. pyrite									2022	1.5	1284	<0.5	44	107	4	52	7	136	35
											2023	1.5	89	<0.5	34	86	3	19	<5	103	45
											2024	1.5	71	0.7	31	193	4	22	8	100	35
											2025	1.1	111	0.6	66	261	7	28	<5	90	25
	light yellow green, porphyritic andesite										2026	0.9	41	<0.5	22	8	<1	13	<5	29	10

PROPERTY: 'DELIA - WENDY' (SMB) HOLE NO.: D4/88 - 02

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 298° /70°

Hole started: 28. 07. 1988 completed: 30. 07. 1988

Total depth: 92.05 m Total samples: 82

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2		highly silicified with diss. pyrite (1 cm), chalcedonic fissures and carbonate fissures									2027	1.2	39	<0.5	20	4	1	20	<5	43	100
											2028	1.2	59	0.5	25	6	<1	15	<5	42	70
4	same pyroclastic unit as between 33 - 38.50 m	at 42.4 m stronger argillic alteration (15 cm wide) (sample 2031)									2029	1.5	249	0.9	49	14	4	28	<5	80	40
											2030	1.9	161	<0.5	50	52	<1	34	<5	154	25
6	green yellow, porphyritic andesite unit										2032	1.6	56	<0.5	17	25	1	15	<5	92	20
8											2033	1.5	18	>50.0	367	668	109	3161	316	4112	485
50		at 49.8 m breccia (20 cm) with diss. pyrite and cavities filled by carbonates 50.4 m - 51.5 m pyrite-carbonate fissure (< 2 mm) 53.3 m - 55.2 m brecciated with carbonate-quartz fissures									2034	1.5	19	<0.5	16	3	<1	5	<5	50	45
											2035	1.5	73	<0.5	37	5	<1	19	6	79	115
2											2036	1.5	29	<0.5	21	9	<1	13	<5	70	50
4											2037	1.9	33	<0.5	18	3	1	19	<5	87	105
6	same pyroclastic unit as between 33 - 38.50 m	diss. pyrite, silicified, open space fillings and pyrite fissures at 57.8 m narrow pyrite fissures									2038	1.5	119	0.7	50	15	2	17	<5	96	95
8											2039	1.8	71	<0.5	41	29	14	23	6	63	180
60	green yellow, porphyritic andesite unit										2040	1.5	14	0.6	14	15	<1	14	<5	98	20

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 02

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 298°/70°

Hole started: 28. 07. 1988 completed: 30. 07. 1988

Total depth: 92.05 m Total samples: 62

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2		61.6 m - 62.9 m pyrite-quartz fissures at 62.5 m slightly brecciated with chalcedony fillings and carbonate veinlets 65.2 m - 65.8 m pyrite-quartz fissures, partly banded									2041	1.5	19	<0.5	21	13	2	31	<5	112	25
4											2042	1.5	40	0.7	28	12	2	47	<5	74	15
6											2043	1.5	15	<0.5	19	3	<1	7	<5	27	20
											2044	1.5	47	0.7	26	85	<1	31	<5	140	20
											2045	0.6	53	0.9	33	73	<1	8	5	43	55
	same pyroclastic unit as between 33 - 38.50 m										2046	0.6	21	<0.5	22	25	5	48	<5	80	25
8	yellow to light green, porphyritic andesite unit	67.4 m - 92.0 m generally silicified, diss. pyrite, pyrite-quartz fissures and carbonate fissures 67.4 m - 71.3 m stronger diss. pyrite with pyrite fissures at 68.9 m carbonate fissure 70.1 m - 70.4 m stronger diss. pyrite 73.9 m - 74.2 m pyrite fissures 75.0 m - 75.9 m diss. pyrite and pyrite fissures at 78.0 m carbonate fissures at 78.3 m breccia (5 cm wide) with carbonate, pyrite fillings and chalcedonic matrix; pyrite banding in the wallrock 78.6 m - 91.4 m strong silicification with a maximum between 85.3 m - 89.9 m									2047	1.5	21	<0.5	25	23	4	45	<5	84	25
70											2048	1.5	16	<0.5	18	3	<1	36	<5	62	30
											2049	1.5	<5	<0.5	9	5	1	67	<5	146	20
2											2050	1.5	5	<0.5	16	22	1	35	<5	121	65
4											2051	1.5	10	<0.5	16	8	2	42	<5	152	45
6											2052	1.5	<5	<0.5	6	6	1	57	<5	133	40
8											2053	1.5	<5	<0.5	<5	25	<1	54	5	131	40
80											2054	1.5	15	0.8	26	8	<1	109	<5	267	25

PROPERTY: 'DELIA - WENDY' (SMB) | HOLE NO.: D4/88 - 02 | PAGE 5 OF 5

OWNER: KLONDIKE GOLD MINING CORPORATION | COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 298°/70°

Hole started: 28. 07. 1988 completed: 30. 07. 1988

Total depth: 92.05 m Total samples: 62

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
0											2055	1.5	13	<0.5	9	37	<1	40	<5	113	10
2											2056	1.5	6	0.7	19	6	<1	39	<5	85	10
											2057	1.5	11	0.5	14	6	<1	72	<5	125	15
4											2058	1.5	21	<0.5	17	36	<1	90	7	140	20
		84.1 m - 89.3 m weak stockwork silicification with diss. pyrite and pyrite-quartz fissures																			
6		at 90.7 m banded pyrite-chalcedony veinlet (1 cm wide)									2059	1.5	13	0.6	15	3	<1	74	<5	137	20
											2060	1.5	11	0.5	18	11	7	99	<5	182	20
8																					
90											2061	1.5	17	0.8	17	31	<1	114	<5	219	20
											2062	2.0	14	<0.5	9	35	3	66	<5	238	20
2																					
4																					
6																					
8																					
100																					

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 03

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 286°/80°

Hole started: 30. 07. 1988 completed: 01. 08. 1988

Total depth: 110.34 m Total samples: 83

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2	grey, medium grained pyroclastic unit; clast supported, clast size < 6 cm,	diss. pyrite, silicified									3001	0.6	9	<0.5	17	5	<1	38	<5	82	25
4		at 3.6 m pyrite-carbonate fissures (< 1 mm wide) with chalcedonic seams									3002	1.3	14	<0.5	18	9	<1	20	<5	105	35
6		4.9 m - 9.8 m slightly brecciated and silicified rock with diss. pyrite									3003	1.5	48	<0.5	22	79	<1	33	6	100	60
8		at 8.2 m chalcedonic veinlet (1 cm wide)									3004	1.5	28	<0.5	12	32	1	28	<5	104	40
10											3005	1.5	40	<0.5	22	63	2	45	<5	122	60
2	medium grey to yellow grey, porphyritic andesite	9.8 m - 13.4 m strongly brecciated and highly silicified with chalcedonic veinlets, carbonate fillings, pyrite-quartz-carbonate fissures as well as minor argillic alteration									3006	1.5	26	<0.5	16	14	3	40	<5	316	60
											3007	1.2	19	<0.5	16	8	3	57	<5	140	40
4		13.4 m - 14.5 m stronger diss. pyrite and stockwork (mainly pyrite fissures)									3008	1.5	16	0.5	14	7	3	71	<5	139	35
											3009	1.0	16	<0.5	14	7	2	55	<5	139	25
		14.5 m - 15.1 m highly brecciated with cavities and banded chalcedony-carbonate fillings and diss. pyrite									3010	0.6	13	<0.5	13	8	7	43	8	109	55
6											3011	1.7	13	<0.5	31	6	4	43	<5	101	110
		15.1 m - 19.5 m minor brecciation (at 18.2 m), silicification (stronger at 17.4 m) and carbonate fissures and diss. pyrite at 19.0 m pyrite-quartz-carbonate fissures									3012	1.5	15	<0.5	14	6	4	69	<5	126	70
8											3013	1.2	23	<0.5	36	10	3	66	<5	170	60
20		19.5 m - 20.1 m diss. pyrite and chalcedony fissures																			

PROPERTY: 'DELIA - WENDY' (SMB) | HOLE NO.: D4/88 - 03 |

OWNER: KLONDIKE GOLD MINING CORPORATION | COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m | Hole started: 30. 07. 1988 | completed: 01. 08. 1988

Azimuth/Dip: 286°/80° | Total depth: 110.34 m | Total samples: 83

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0	medium grey to yellow grey, porphyritic andesite	20.1 m - 20.6 m breccia zone with chalcedonic matrix and diss. pyrite and pyrite-quartz veinlets 21.3 m - 21.9 m stronger argillic alteration with minor diss. pyrite and small pyrite fissures 21.9 m - 22.3 m strong brecciation with chalcedonic matrix and chalcedonic veinlet (1 cm wide), diss. pyrite two chalcedony generations old: dark grey, young: light grey, 22.3 m - 22.6 m chalcedonic vein with open cavities filled by carbonate and pyrite veinlets with chalcopyrite 22.6 m - 23.5 m massive pyrite-chalcedony veinlet (1 cm wide) at 25.9 m breccia zone (3 cm wide) with dark grey chalcedonic fillings and subordinate carbonate veinlets; cavities filled by carbonates, diss. pyrite; pyrite-arsenopyrite fissures 26.2 m - 26.8 m argillic alteration with pyrite fissures and diss. pyrite 28.0 m - 30.5 m small pyrite-chalcopyrite-quartz-carbonate fissure (1 mm wide) parallel to the core axis 28.4 m - 28.7 m stockwork developed silicification, pyrite and carbonate veinlets (< 1 mm) at 31.7 m pyrite-carbonate fissures at 32.8 m pyrite fissure at 33.8 m and 34.3 m pyrite-carbonate fissures 35.6 m - 38.7 m stronger diss. pyrite with narrow pyrite-chalcedony fissures between 37.2 m - 38.7 m and minor carbonate stringers between 38.4 m - 38.7 m bleached rock at 36.7 m and 38.1 m at 39.3 m chalcedony veinlet (2 cm wide) with zones of higher diss. pyrite at 39.9 m carbonate veinlet (< 1cm wide) (sample 3033)								

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
3014	1.2	134	2.2	134	90	22	324	12	236	160
3015	1.3	21	<0.5	35	7	4	63	<5	150	80
3016	0.3	16	<0.5	25	4	7	93	8	225	95
3017	0.3	43	0.9	45	32	10	172	11	358	100
3018	0.7	23	<0.5	20	21	5	45	<5	62	25
3019	0.3	77	2.1	41	15	3	317	<5	76	55
3020	1.1	34	<0.5	23	6	8	25	6	65	40
3021	0.9	34	1.2	32	7	3	30	<5	42	40
3022	0.6	128	1.8	126	49	3	167	<5	311	70
3023	1.0	41	0.9	67	21	3	47	<5	144	60
3024	1.1	57	0.7	21	12	2	34	<5	83	20
3025	0.3	59	1.0	87	20	<1	24	<5	70	30
3026	1.5	1394	3.0	117	119	<1	78	6	147	25
3027	1.5	184	1.2	43	79	<1	42	<5	88	35
3028	1.5	21	<0.5	7	27	<1	33	<5	141	40
3029	1.5	21	<0.5	17	14	5	34	<5	81	45
3030	1.5	9	<0.5	7	20	3	34	<5	85	10
3031	1.5	22	<0.5	22	3	<1	8	<5	17	50
3032	1.5	21	<0.5	34	3	2	10	<5	35	20

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 08

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 286°/80°

Hole started: 30. 07. 1988 completed: 01. 08. 1988

Total depth: 110.34 m Total samples: 88

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0		41.5 m - 41.8 m stronger diss. pyrite 44 - 44.3 m chalcedonic veinlet crosscutting an pyrite veinlet, which crosscuts an older pyrite veinlet 45.1 m - 45.4 m argillic alteration with a pyrite-carbonate veinlet (< 1cm wide) at 45.4 m at 46.3 m pyrite-carbonate-quartz veinlet (1 cm wide)								
2										
4										
6										
8										
50										
2										
4	fine grained to porphyritic chilled margin of the granodiorite dyke	diss. pyrite, small pyrite fissures at 54.6 m and carbonate fissures between 53.9 m - 54.3 m (< 1mm)								
6										
8		59.6 m - 60.3 m strong brecciation with argillic alteration and diss. pyrite								
60										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
3034	1.5	27	<0.5	30	26	2	19	<5	56	30
3035	1.5	38	<0.5	17	11	<1	167	<5	245	40
3036	1.5	30	3.8	29	38	<1	868	<5	981	105
3037	0.3	152	1.2	92	28	<1	51	<5	60	55
3038	1.5	63	0.5	25	28	<1	42	<5	86	290
3039	0.3	184	0.7	72	11	<1	30	<5	69	40
3040	1.3	88	0.6	35	31	<1	34	<5	92	60
3041	1.5	16	<0.5	11	27	2	27	<5	110	65
3042	1.5	15	<0.5	20	14	2	32	<5	81	30
3043	1.5	9	<0.5	14	5	1	43	<5	116	20
3044	1.5	13	<0.5	9	16	4	54	9	154	45
3045	0.9	15	<0.5	29	16	2	33	<5	133	50
3046	1.5	16	<0.5	11	17	3	49	<5	199	85
3047	1.5	10	<0.5	15	14	4	38	<5	134	65
3048	1.5	11	<0.5	16	6	2	48	<5	91	40
3049	1.5	11	<0.5	17	12	<1	38	<5	109	60

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 03

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 286°/80°

Hole started: 30. 07. 1988 completed: 01. 08. 1988

Total depth: 110.34 m Total samples: 83

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0	medium to light grey, less porphyritic to medium grained granodiorite with andesite xenoliths in the wallrock	at 64.9 m carbonate fissures and pyrite-arsenopyrite fissures 65.8 m - 66.1 m pyrite fissures, pyrite veinlet (2 cm wide) surrounded by silicification (5 cm wide) rock								
70	fine grained to porphyritic chilled margin of the granodiorite dyke	69.5 m -69.8 m pyrite fissures with minor carbonate stringers and chalcedonic veinlets								
80	grey, fine to medium grained pyroclastic unit, matrix supported with mainly andesitic clasts (< 4 cm)	minor chalcedonic veinlets between 77.7 m - 78.0 m and 78.3 m - 78.6 m 79.6 m - 80.0 m highly silicified rock carbonate stringers and pyrite fissures,								

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
3050	1.6	17	<0.5	11	51	1	35	6	190	95
3051	1.2	17	0.9	14	14	2	110	<5	276	50
3052	1.5	9	<0.5	13	8	4	54	<5	147	110
3053	1.5	9	<0.5	15	7	3	44	<5	150	120
3054	1.5	217	<0.5	39	39	2	34	<5	89	85
3055	1.9	12	<0.5	20	22	2	23	<5	131	120
3056	1.5	14	<0.5	17	22	3	26	<5	114	70
3057	1.5	10	<0.5	6	10	<1	51	<5	97	35
3058	1.5	10	<0.5	12	7	<1	25	5	93	40
3059	1.5	12	<0.5	10	5	<1	22	<5	79	20
3060	1.6	9	<0.5	12	4	<1	36	6	72	20
3061	1.5	11	0.6	16	3	2	54	<5	87	20
3062	1.5	18	<0.5	21	2	2	26	<5	81	100

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 03

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 286°/80°

Hole started: 30. 07. 1988 completed: 01. 08. 1988

Total depth: 110.34 m Total samples: 83

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0	grey to light green, porphyritic andesite	80.0 m - 83.2 m strongly fractured rock with chalcedony veinlets (< 2 cm), pyrite fissures, minor carbonate fissures and chalcedonic matrix 84.7 m - 84.9 m stockwork silicification at 87.2 m carbonate fissures (2 mm) at 95.4 m carbonate-quartz-pyrite veinlet (0.5 cm wide) 98.2 m - 110 m crosscutting pyrite-chalcedony fissures, diss. pyrite (often blebbs), stonger argillic alteration between 108.8 m - 109.0 m 99.4 m - 100.3 m silicified breccia zone								
2										
4										
6										
8										
90										
2										
4										
6										
8										
100										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
3063	1.6	8	<0.5	24	3	<1	37	6	70	20
3064	1.3	8	<0.5	13	4	<1	8	<5	84	30
3065	0.6	14	<0.5	19	11	<1	21	<5	95	105
3066	1.6	8	<0.5	13	45	<1	20	<5	89	110
3067	1.5	10	0.5	14	6	<1	46	6	104	115
3068	1.5	8	<0.5	<5	17	<1	12	<5	78	70
3069	1.5	10	<0.5	22	10	1	42	6	94	105
3070	1.5	12	<0.5	21	9	2	33	<5	72	60
3071	1.5	14	<0.5	6	5	<1	11	<5	88	65
3072	1.5	21	<0.5	13	18	1	14	<5	67	15
3073	1.5	11	<0.5	<5	11	2	20	<5	92	10
3074	1.5	15	1.0	18	17	2	36	<5	103	10
3075	1.5	8	<0.5	12	7	1	11	<5	87	10
3076	1.6	9	<0.5	13	5	<1	13	<5	78	20

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 08

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 286°/80°

Hole started: 30. 07. 1988 completed: 01. 08. 1988

Total depth: 110.34 m Total samples: 88

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
0											3077	1.5	11	<0.5	13	14	<1	22	<5	77	70
2											3078	1.5	15	<0.5	27	7	2	37	<5	156	15
4											3079	1.5	10	<0.5	18	10	2	40	<5	104	25
6	reddish to grey, porphyritic to fine grained andesite										3080	1.5	12	<0.5	24	26	2	33	<5	127	50
8											3081	1.5	10	<0.5	16	14	3	28	<5	146	75
110											3082	1.5	10	<0.5	53	3	2	24	<5	114	60
											3083	1.3	7	<0.5	11	36	1	14	<5	130	110
2																					
4																					
6																					
8																					
120																					

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 04

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 340°/70°

Hole started: 01. 08. 1988 completed: 03. 08. 1988

Total depth: 91.44 m Total samples: 60

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2																					
4	medium grey to light grey pyroclastic unit; matrix supported (clast size < 4 x 4 cm)	diss. pyrite (< 0.5 cm) with silicification between 3 m - 6 m and 9.4 m - 13.8 m; pyrite stringers (< 3 mm wide) between 9.8 m - 10.1 m, 10.4 - 10.7 m, 13.4 m - 13.7 m and at 10.9 m; stronger silicification between 4.6 m - 5.8 m, 13.7 m - 25.9 m, stronger argillic alteration at 3.7 m and between 6 m - 9 m and 14.3 m - 17.4 m stronger diss. pyrite with small pyrite fissures and lenses (1 mm wide, 3 - 4 cm long) between 16.8 m - 21.0 m, at 17.7 m chalcedonic veinlets,								4001	1.5	2560	2.1	34	974	<1	75	11	198	50
6											4002	1.5	122	<0.5	36	29	3	30	6	185	20
8											4003	1.5	45	<0.5	21	79	3	23	<5	132	55
10											4004	1.5	49	<0.5	23	110	4	21	7	176	155
2											4005	1.5	16	<0.5	6	16	4	57	5	238	40
4	light grey to medium grey, fine grained to porphyritic andesite										4006	1.5	14	<0.5	21	17	2	65	<5	172	25
6											4007	1.6	10	<0.5	22	8	3	50	<5	133	20
8											4008	1.5	31	<0.5	20	11	3	48	<5	100	30
20											4009	1.5	16	<0.5	13	12	2	40	7	124	20
											4010	1.5	11	<0.5	6	7	<1	64	5	104	10
											4011	1.5	11	<0.5	13	6	2	58	<5	104	10

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D4/88 - 04

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 01. 08. 1988
completed: 03. 08. 1988

Azimuth/Dip: 340°/70°
Total depth: 91.44 m
Total samples: 60

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
		stronger diss. pyrite with small pyrite fissures and lenses (1 mm wide, 3 - 4 cm long) between 28.0 m - 29.6 m, 30.5 m - 31.4 m and at 28.8 m stronger silicification between 32.6 m - 32.9 m, 34.7 m - 35.0 m and 44.6 m - 45 m pyrite-carbonate fissures; chalcedonic veinlets at 37.8 m (2 cm wide) and between 32.6 m - 33.2 m (1 cm), 38.7 m - 39.3 m (3 cm wide), 42.5 m - 42.7 m; stronger argillic alteration 21.0 m - 21.9 m, 35.2 m - 35.7 m, 36.6 m - 37.2 m and 40 m - 41.1 m; at 23.8 m pyrite veinlet, at 27.3 m carbonate-pyrite as open space fillings (< 2 cm wide); 35 m - 41.6 m more or less brecciated;								4012	1.5	10	<0.5	14	5	<1	98	<5	160	20
											4013	1.5	9	<0.5	10	5	1	72	<5	166	20
											4014	1.5	14	<0.5	19	6	2	79	<5	192	15
											4015	1.6	9	<0.5	11	6	3	60	<5	96	20
											4016	1.6	6	<0.5	16	10	5	35	7	102	20
											4017	1.5	8	<0.5	<5	11	<1	61	<5	112	20
											4018	1.5	10	<0.5	14	27	1	55	7	82	20
											4019	1.5	9	<0.5	14	11	1	62	<5	151	20
											4020	1.5	12	<0.5	16	13	2	75	<5	362	40
											4021	1.5	26	<0.5	25	13	3	25	6	113	50
											4022	1.5	13	<0.5	13	6	3	78	5	174	40
											4023	1.5	13	0.7	16	6	12	121	<5	661	105
											4024	1.5	7	<0.5	13	6	3	33	<5	169	25

PROPERTY: 'DELIA - WENDY' (SMB) HOLE NO.: D4/88 - 04

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 880 m

Azimuth/Dip: 340°/70°

Hole started: 01. 08. 1988 completed: 03. 08. 1988

Total depth: 91.44 m Total samples: 60

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
0																					
		40.0 m - 41.1 m dark grey to yellow brown spotted chalcedonic - carbonate breccia filling									4025	1.5	9	<0.5	<5	13	2	65	<5	210	30
2											4026	1.5	10	<0.5	19	6	<1	69	6	183	20
											4027	1.6	9	<0.5	17	10	<1	59	<5	219	30
4											4028	1.5	8	<0.5	5	6	1	25	<5	78	25
6											4029	0.9	26	<0.5	14	114	<1	17	<5	57	30
	light grey, fine grained tuff;										4030	1.5	7	<0.5	9	27	<1	20	<5	136	20
8		48.0 m - 48.6 m stronger silicified with diss. pyrite									4031	1.6	11	<0.5	11	14	39	56	<5	154	25
50	light grey to medium grey, fine grained to porphyritic andesite	at 53.0 m silicified zone (5 cm wide) with pyrite-carbonate stringers									4032	1.5	26	<0.5	<5	7	2	36	<5	158	20
		at 53.3 m carbonate veinlet									4033	1.5	12	<0.5	10	5	1	45	<5	146	20
2		53.3 m - 56.7 m diss. pyrite with pyrite-quartz-carbonate stringers									4034	1.5	10	<0.5	16	8	2	47	6	141	30
4											4035	1.5	31	<0.5	18	34	<1	33	<5	109	25
6		56.7 m - 57.0 m pyrite-chalcedon stockwork developed stronger silicification between 57.9 m - 58.4 m									4036	1.5	10	<0.5	11	5	2	42	5	141	30
8		59.6 m - 60.2 m silicification with dark grey clay and diss. pyrite as well as pyrite-carbonate stringers and carbonate patches									4037	1.5	11	<0.5	30	15	2	68	<5	165	50
60											4038	1.5	30	<0.5	44	5	2	78	6	250	60

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D4/88 - 04

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 340°/70°

Hole started: 01. 08. 1988 completed: 03. 08. 1988

Total depth: 91.44 m Total samples: 60

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2		61.3 m - 62.2 m chalcedonic stockwork 62.5 m - 62.8 m stronger silicification									4039	1.5	13	<0.5	33	3	<1	93	<5	117	30
											4040	1.3	33	0.5	29	50	2	33	<5	65	30
4	medium grey to light grey pyroclastic unit; partly matrix supported, partly clast supported; clast size < 4 x 4 cm	63.1 m - 65.2 m stronger silicification (chalcedonic matrix) 70.4 m - 70.7 m pyrite fissures with stronger silicification (chalcedonic matrix)									4041	1.5	17	<0.5	13	11	1	68	<5	133	30
6											4042	1.5	20	<0.5	14	18	1	50	<5	158	30
											4043	1.6	17	<0.5	17	22	<1	30	5	114	20
8		at 71.6 m pyrite fissures 72.5 m - 75 m stronger silicification									4044	1.5	12	<0.5	14	22	<1	7	<5	95	30
70		at 74.1 m chalcedonic veinlet (0.5 cm)									4045	1.5	16	<0.5	11	23	<1	47	<5	117	20
		at 78.8 m chalcedonic veinlet (0.5 cm wide)									4046	1.5	10	<0.5	10	6	<1	119	<5	287	30
2		79.9 m - 80.2 m stronger brecciation with open cavities; carbonate fissures									4047	1.6	21	<0.5	16	9	<1	26	<5	118	15
4											4048	1.5	12	<0.5	9	13	<1	83	<5	193	40
6											4049	1.5	13	<0.5	10	22	1	25	<5	140	50
											4050	1.5	21	<0.5	24	24	2	43	<5	182	110
8											4051	1.5	10	<0.5	<5	13	3	30	5	159	120
80																					

PROPERTY: 'DELIA - WENDY' (SMB) HOLE NO.: D4/88 - 04

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 880 m

Azimuth/Dip: 340°/70°

Hole started: 01. 08. 1988 completed: 03. 08. 1988

Total depth: 91.44 m Total samples: 60

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2		80.5 m carbonate fissures pyrite veinlet with silicification around at 80.8 m, 81.5 m and 82.4 m									4052	1.5	13	<0.5	7	18	3	38	<5	131	25
4	medium grained to porphyritic granodiorite	at 83.2 m pyrite fissures stronger silicified between 82.6 m - 83.2 m, at 83.8 m, 85.3 m and 90.7 m with an 1 cm wide pyrite-carbonate veinlet (special sample 4055); sample 4054 without the pyrite-carbonate veinlet									4053	1.4	13	<0.5	7	10	2	17	<5	98	30
6											4054	1.5	18	<0.5	20	10	<1	19	<5	82	80
8											4056	1.5	35	<0.5	23	24	<1	22	<5	80	160
90											4057	1.5	10	<0.5	17	26	2	27	<5	71	90
											4058	1.5	6	1.2	39	33	3	174	11	352	160
											4059	1.5	24	<0.5	33	33	1	173	6	339	30
											4060	1.2	10	<0.5	15	17	<1	107	<5	222	30
2																					
4																					
6																					
8																					
100																					

PROPERTY: 'DELIA - WENDY' (SMR)
OWNER: KLONDIKE GOLD MINING CORPORATION

HOLE NO.: D2/88 - 05
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 880 m
Azimuth/Dip: 282°/70°

Hole started: 03. 08. 1988
Total depth: 94.50 m
Core size: NQ

completed: 05. 08. 1988
Total samples: 62

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2																					
4	dark to medium grey, fine to medium grained pyroclastic unit; clast size < 5 cm	diss. pyrite; 12.8 m - 13.1 m pyrite fissures; at 9.6 m dark grey chalcedonic veinlet with diss. pyrite; strong silicification between 9 m - 9.3 m and 13.6 m - 15.2 m; 14.3 m - 14.9 m chalcedonic stockwork;									5001	2.4	156	<0.5	45	116	3	56	9	83	<5
6											5002	1.5	82	0.7	25	107	1	41	8	74	10
8											5003	1.5	35	0.9	15	36	3	94	<5	196	10
10											5004	1.5	18	<0.5	10	12	4	40	<5	76	20
2											5005	1.5	29	<0.5	20	16	<1	78	<5	389	30
4											5006	1.5	87	0.9	14	22	<1	95	<5	406	20
											5007	1.5	37	<0.5	12	12	3	75	<5	141	15
6	grey, fine grained tuff unit with light grey to yellow brown clasts at 17.30 - 17.60 m and 18.30 - 18.60 m	pyrite fissures (< 2cm wide) at 15.7 m, 16.2 m with small sphalerite crystals at 16.8 m and carbonates at 17.7 m; 16.5 m - 16.6 m argillic alteration; 18.9 m - 19.2 m tiny pyrite fissures (<1 mm) 19.8 m - 20.7 m stronger silicification;									5008	1.5	203	2.6	86	25	5	127	<5	186	15
8											5009	1.5	29	<0.5	6	13	3	86	<5	130	10
20											5010	1.5	42	<0.5	9	98	2	26	6	80	10

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D2/88 - 05

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 282°/70°

Hole started: 03. 08. 1988 completed: 05. 08. 1988

Total depth: 94.60 m Total samples: 62

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
											5011	1.5	26	<0.5	<5	16	4	64	<5	149	10
2	dark grey, coarse grained pyroclastic unit with light brown clasts (< 8 cm); clast supported	diss. pyrite; irregular pyrite blebbs at 22.0 m; silicification									5012	1.1	20	<0.5	5	12	2	61	<5	298	30
											5013	1.1	22	<0.5	9	10	<1	80	8	263	25
4	medium grey , fine grained tuff with minor clasts	diss. pyrite; 25.9 m - 26.2 m small pyrite fissures; silicification									5014	1.3	17	<0.5	24	13	4	53	<5	250	15
											5015	1.5	16	<0.5	29	19	2	64	<5	209	10
6	same unit as between 21 - 23.10 m	diss. pyrite, silicification; at 28.3 m chalcedonic veinlet (< 1 cm wide);									5016	1.3	13	<0.5	17	12	<1	51	<5	274	10
	same unit as between 23.10 - 26 m										5017	1.3	11	<0.5	16	16	3	59	<5	292	15
8	same unit as between 21 - 23.10 m										5018	1.3	19	<0.5	30	38	1	85	<5	265	15
	same unit as between 23.10 - 26 m										5019	1.4	28	<0.5	25	45	1	94	<5	235	20
	same unit as between 21 - 23.10 m										5020	1.5	173	3.5	32	55	6	153	<5	478	20
30	same unit as between 23.10 - 26 m										5021	1.5	19	<0.5	16	15	2	47	7	125	10
	same unit as between 21 - 23.10 m	diss. pyrite, at 30.2 m stronger silicification 30.2 m - 30.4 m pyrite fissures;									5022	1.5	14	<0.5	6	12	2	35	<5	92	15
2	same unit as between 23.10 - 26 m	31.2 m - 31.7 m stronger silicification with py-cpy-apy-qtz-cc fissures (< 2 mm) stockwork type mineralization; pyrite fissures at 32.2 and between 33.2 m - 36.0 m; 34.5 m - 34.8 m stronger silicification; at 34.5 m carbonate veinlet (<2 mm)									5023	1.5	23	<0.5	<5	22	1	24	<5	78	15
4											5024	1.5	128	<0.5	21	104	<1	37	<5	114	10
6	dark grey, coarse grained pyroclastic unit; clast supported clast size < 15 cm, same unit as between 21 - 23.10 m	diss. pyrite, 36.0 m - 36.3 m chalcedonic veinlet,									5025	1.5	191	1.8	31	366	3	72	<5	671	20
8																					
40																					

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D2/88 - 05

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 282°/70°

Hole started: 03. 08. 1988 completed: 05. 08. 1988

Total depth: 94.50 m Total samples: 62

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0		at 45.6 m pyrite veinlet; at 44.7 m carbonate fissure (< 1 mm); stronger silicification at 40.1 m and between 44.5 m - 45.7 m with diss. pyrite and pyrite fissures;								
50	reddish grey, coarse grained pyroclastic unit, matrix supported; clast size < 4 cm; clasts are grey brown	diss. pyrite; 49.5 m - 49.7 m chalcedonic vein (5 cm wide) with pyrite - carbonate veinlets (<2 cm wide) at 52.3 m veinlet with py, cpy, qtz;								
60	same unit as above but medium grey	stronger silicification and diss. pyrite								
	grey fine grained tuff	diss. pyrite; silicification								
	same unit as between 46.0 - 53.0 m	stronger silicification and diss. pyrite, pyrite fissures; 59.4 m - 60.2 m dark grey breccia with clay matrix, pyrite fissures (< 2 mm), clasts are strongly silicified;								

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
5026	1.5	40	0.6	15	71	<1	32	<5	202	20
5027	1.5	61	0.9	19	89	2	33	9	82	10
5028	1.5	164	0.6	17	61	16	34	<5	173	40
5029	1.2	272	0.9	35	105	<1	39	<5	120	20
5030	1.5	66	<0.5	21	55	2	46	<5	199	20
5031	1.5	46	<0.5	16	28	3	6	<5	150	20
5032	1.5	23	<0.5	12	80	2	45	<5	269	20
5033	1.7	30	0.6	16	33	<1	57	<5	131	20
5034	1.0	27	0.7	13	55	1	46	<5	119	15
5035	1.0	32	<0.5	<5	44	<1	30	<5	95	20
5036	1.2	28	<0.5	11	78	<1	34	5	143	10
5037	0.9	46	<0.5	16	374	2	<5	<5	117	20
5038	1.6	15	<0.5	9	21	3	40	5	99	10
5039	1.5	17	<0.5	8	14	2	84	<5	259	30
5040	1.2	16	<0.5	<5	15	3	16	<5	61	15

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D2/88 - 06

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 282°/70°

Hole started: 03. 08. 1988 completed: 05. 08. 1988

Total depth: 94.50 m Total samples: 62

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0										
2	light grey, coarse grained pyroclastic unit, clasts are brownish; clast size < 6 cm; clast supported	61.6 m - 64.3 m argillic alteration; stronger diss. pyrite around 64.5 m; pyrite as open space filling at 64.5 m and 71.3 m; at 67.2 m pyrite fissure;								
4										
6										
8										
70										
2		diss. pyrite; pyrite veinlet (< 2cm wide) with cpy-cc at 75.3 m and with carbonat and clay at 77.0 m; argillic alteration at 73.6 m and 78.6 m;								
4										
6										
8										
80										

Sample No	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
5041	1.2	9	<0.5	9	8	3	<5	<5	39	15
5042	1.5	18	<0.5	12	9	<1	22	<5	105	20
5043	1.5	25	<0.5	25	11	<1	56	<5	110	30
5044	1.5	26	<0.5	10	8	<1	40	6	198	25
5045	1.5	26	<0.5	6	22	2	91	7	601	45
5046	1.5	27	<0.5	6	28	2	53	<5	198	30
5047	1.5	33	<0.5	12	14	1	53	<5	203	30
5048	1.5	29	<0.5	14	29	2	85	<5	425	30
5049	1.5	33	<0.5	20	23	2	50	<5	252	20
5050	1.5	38	<0.5	9	13	2	44	<5	103	10
5051	1.5	385	<0.5	29	234	3	13	<5	98	10
5052	1.5	666	2.2	48	351	4	67	<5	163	30
5053	1.5	86	<0.5	14	79	3	69	<5	170	20

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D2/88 - 05

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 03. 08. 1988
completed: 05. 08. 1988

Azimuth/Dip: 282°/70°
Total depth: 94.50 m
Total samples: 62

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py Cp Ap Gn Sp Cl Qt Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
0		silicification, diss. pyrite; stockwork type silicification at 80.2 m with brecciation between 80.8 m - 81.4 m; kaolin developed on fractures at 81.4 m and between 82.4 m - 82.6 m; 82.4 m - 82.6 m chalcedonic veinlet with diss. pyrite and cc;		5054	1.5	85	1.4	10	94	<1	75	<5	280	20
2				5055	1.5	54	1.2	31	35	2	78	<5	238	30
4				5056	0.9	25	1.1	17	33	<1	43	7	123	10
		85.6 m - 87.5 m stronger diss. pyrite; 87.5 - 89.0 m breccia zone with dark grey chalcedon matrix; 88.0 m - 89.0 m breccia with white clay and carbonate matrix; 88.0 m - 89.0 m pyrite veinlets (< 1mm)		5057	1.5	10	0.9	19	22	<1	24	<5	93	10
6				5058	1.5	10	0.8	15	21	3	12	<5	68	10
8				5059	1.4	9	0.7	8	12	<1	16	<5	90	5
				5060	0.9	77	0.8	6	61	2	41	7	149	30
90	dark grey to medium grey, coarse grained pyroclastic unit, clasts are brownish; clast size < 6 cm; clast supported	diss. pyrite; silicification pyrite fissures (< 3 mm) at 89.3 m and veinlet (1 cm) at 92.2 m with carbonate and clay minerals 94.0 m - 94.5 m strong argillic alteration;		5061	1.5	23	1.2	14	23	<1	53	<5	172	10
2				5062	1.5	9	1.1	7	29	<1	19	<5	65	20
4				5063	1.5	44	2.7	<5	46	<1	47	12	129	30
				5064	0.9	20	1.1	<5	40	<1	27	<5	71	10
6														
8														
100														

PROPERTY: 'DELIA - WENDY' (SMB) HOLE NO.: D2/88 - 06

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 250°/80°

Hole started: 05. 08. 1988 completed: 13. 08. 1988

Total depth: 88.82 m Total samples: 57

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2	medium grey, fine grained to porphyritic andesite	banded chalcedonic veinlets with diss. pyrite (up to 20 cm wide) at 3.0 m, 3.2 m, 5.0 m and 5.2 m; one contact is well defined between 4.2 m and 4.5 m chalcedonic stockwork with pyrite fissures									6001	1.5	15	1.1	<5	19	1	67	<5	213	20
4											6002	1.5	10	0.8	<5	23	<1	43	14	135	15
6		between 6.1 m and 8.5 m banded zone with dark to medium grey, parallel chalcedonic veinlets (< 0.6 cm wide)									6003	1.5	15	<0.5	17	52	3	25	<5	109	10
8		strongly diss. pyrite									6004	1.5	13	1.0	22	10	3	39	<5	179	20
10		strongly silicified zone with slight brecciation between 11.3 m and 11.6 m									6005	1.5	9	1.3	<5	9	1	48	10	281	40
2		stronger diss. pyrite between 14.3 m - 14.6 m, 15.5 m - 16.0 m (py-blebs (3 x 2 cm)) and 18.6 m - 19.5 m; at 17.4 m 3 cm wide brecciated zone with carbonate-clay filling; between 19.9 m - 20.4 m small veinlets (< 2 mm) with py, cpy and minor chalcedonic banding (< 1 cm wide); at 20.7 m dark grey chalcedonic vein (2 cm wide)									6006	1.5	6	0.6	18	13	1	59	<5	212	20
4											6007	1.6	5	0.6	13	9	1	34	6	170	30
6											6008	1.6	13	1.0	9	9	1	55	<5	194	20
8											6009	1.5	<5	0.6	<5	8	1	14	<5	107	5
20											6010	1.5	10	0.6	8	12	<1	14	<5	80	10
											6011	1.5	11	0.6	14	17	1	42	6	119	10
											6012	1.3	16	0.6	13	9	<1	30	6	181	10

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D2/88 - 06

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 880 m

Azimuth/Dip: 250°/80°

Hole started: 05. 08. 1988 completed: 13. 08. 1988

Total depth: 88.82 m Total samples: 57

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0	medium grey, fine grained banded tuff (layers < 1 cm wide); some layers are dark reddish	at 20.7 m dark grey chalcedonic vein (2 cm wide)								
2										
4	dark reddish, coarse grained pyroclastic unit with medium to light grey clasts (< 5 cm wide); matrix supported,	minor diss. pyrite, silicification and minor argillic alteration between 25.3 m - 25.6 m pyrite fissures at 29.4 m								
6										
8		stronger chalcedonic stockwork and silicification at 34.0 m with a chalcedonic veinlet (5 cm wide) at 34.0 m								
30										
2										
4										
6	medium grey, fine grained banded tuff (layers < 3 cm wide);	brecciation with dark grey chalcedonic matrix								
8										
40										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
6013	1.5	6	0.7	7	23	<1	64	<5	245	5
6014	1.1	5	1.0	15	16	<1	86	<5	338	15
6015	1.5	8	1.0	8	18	1	100	11	372	20
6016	1.5	<5	0.7	27	20	2	83	7	283	15
6017	1.5	<5	0.7	8	48	<1	45	<5	229	20
6018	1.5	11	1.1	7	22	<1	83	8	164	15
6019	1.5	15	0.6	20	28	<1	18	8	83	15
6020	1.5	<5	0.5	<5	36	<1	6	12	76	20
6021	1.5	7	<0.5	11	7	1	7	14	76	20
6022	1.5	124	2.0	109	50	2	127	5	507	30
6023	1.5	7	0.6	17	18	<1	6	<5	84	20
6024	1.5	<5	<0.5	<5	21	<1	8	6	80	20
6025	1.5	9	0.5	15	21	<1	14	10	92	10
6026	1.5	10	0.7	16	89	<1	69	<5	248	20

PROPERTY: 'DELIA - WENDY' (SMR) HOLE NO.: D2/88 - 06

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 250°/80°

Hole started: 05. 08. 1988 completed: 13. 08. 1988

Total depth: 83.82 m Total samples: 57

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2											6027	1.5	15	1.1	20	41	1	88	<5	252	35
4	medium grey to reddish, coarse grained pyroclastic unit with andesite clasts (< 6 cm wide); clast supported	minor chalcedonic stockwork between 42.0 m - 42.4 m; pyrite fissures between 43.4 m - 43.6 m (< 1mm); diss. pyrite between 45.7 m - 46.2 m;									6028	1.5	14	1.2	<5	27	2	53	8	176	20
6		46.3 - 54.3 m chalcedonic stockwork with dark grey to medium grey chalcedonic veinlets (<1 cm) between 47.0 m - 49.4 m									6029	1.5	8	0.8	<5	15	<1	23	5	99	10
8		at 49.7 m pyrite veinlet (1 cm wide) with cc and cpy									6030	1.5	7	0.6	<5	8	<1	19	<5	112	20
50		50.0 m - 52.8 m pyrite stockwork and fissures									6031	1.5	14	1.4	<5	19	<1	104	10	205	20
2											6032	1.5	56	3.1	8	86	4	58	9	92	5
4											6033	1.5	47	2.1	60	55	9	54	<5	58	10
6											6034	1.5	25	1.1	17	33	4	102	<5	185	10
											6035	1.5	16	0.6	<5	24	<1	73	<5	199	10
											6036	1.5	8	0.5	14	52	<1	17	7	119	20
											6037	0.9	<5	<0.5	9	24	<1	14	<5	122	15
	reddish pyroclastic unit; matrix supported; clast size < 3 cm										6038	0.6	17	0.6	9	33	<1	13	<5	132	20
8	medium grey to reddish, coarse grained pyroclastic unit with andesite clasts (< 6 cm wide); clast supported	at 58.5 m clay - carbonate veinlet (1 cm) at 59.4 m chalcedonic veinlet (2 cm wide) with a pyrite fissure (1 mm wide)									6039	1.5	66	<0.5	15	10	<1	11	<5	107	90
60											6040	1.5	28	1.6	25	46	<1	112	10	225	100
											6041	0.4	<5	<0.5	7	6	<1	13	<5	96	195

PROPERTY: 'DELIA - WENDY' (SMB) | HOLE NO.: D2/88 - 06 |

OWNER: KLONDIKE GOLD MINING CORPORATION | COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 880 m

Azimuth/Dip: 250°/80°

Hole started: 05. 08. 1988 completed: 13. 08. 1988

Total depth: 83.82 m Total samples: 57

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0	medium grey to slight light green, fine grained to porphyritic andesite									
2	dark reddish, coarse to medium grained pyroclastic unit with light to medium green clasts (5 x 4 cm size), matrix supported; clasts are partly rounded and partly very angular	minor chalcedonic stockwork, diss. pyrite, slightly silicified, at 63 m pyrite fissures								
4	medium grey to slight green pyroclastic unit as above	chalcedonic stockwork carbonate veinlets 67.9 m (sample 6060)								
6										
8		argillic alteration at 70.7 m 78.8 m - 80 m narrow chalcedonic veinlets with crosscutting carbonat veinlets and minor argillic alteration at 80 m pyrite - carbonate - quartz veinlet (< 1mm)								
70										
2										
4										
6										
8	green, fine grained andesite layer									
80										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
6042	1.5	10	<0.5	<5	8	<1	17	<5	114	150
6043	1.5	15	0.7	12	24	<1	52	<5	130	50
6044	1.5	27	0.9	19	15	1	71	<5	205	80
6045	1.5	<5	<0.5	<5	8	<1	8	8	134	5
6046	1.5	<5	<0.5	<5	11	<1	30	11	224	20
6047	1.5	7	0.7	18	37	<1	47	<5	190	30
6048	1.5	5	<0.5	<5	19	<1	21	<5	201	30
6049	1.5	8	0.6	5	18	<1	42	<5	215	15
6050	1.5	7	<0.5	<5	9	<1	9	<5	143	20
6051	1.5	6	<0.5	23	8	<1	11	8	170	50
6052	1.5	6	<0.5	16	12	<1	9	<5	138	40
6053	1.5	7	0.9	<5	63	3	21	<5	130	50
6054	1.5	85	4.6	19	28	2	58	<5	311	60

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D2/88 - 06

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 05. 08. 1988
completed: 13. 08. 1988

Azimuth/Dip: 250°/80°
Total depth: 83.82 m
Total samples: 57

Core size: NQ

Depth (m)	Lithology	Alteration	Vein & Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
											6055	1.5	31	0.9	7	21	<1	19	9	166	20
											6056	2.4	11	0.6	<5	24	<1	10	<5	117	15

2
4
6
8
90
2
4
6
8
100

PROPERTY: 'DELIA - WENDY' (SMB)
HOLE NO.: D2/88 - 07
OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 14. 08. 1988
completed: 16. 08. 1988
Azimuth/Dip: 032°/70°
Total depth: 101.19 m
Total samples: 76
Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min.								Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb)								
			Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc			Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2	medium grey porphyritic andesite	1.8 m - 4.0 m minor silicification and argillic alteration									7001	1.5	5	<0.5	<5	20	<1	20	<5	166	130
4		4.0 m - 6.1 m dark grey Quartz veinlets with second stage banded Cc-veins (< 2 cm wide); diss. Py; Py-veinlets with Gn, Sp and Cp; black chalcedonic veinlets (< 1 cm)									7002	1.4	21	2.7	145	67	2	133	8	721	280
6											7003	1.5	260	18.2	647	347	9	923	30	4900	590
8		6.1 m - 12.2 m breccia with minor argillic alteration; Cc-veinlets and open space fillings as well as silicification; Py, Cp, Gn, Sp, Sid and Ap in veinlets									7004	1.5	62	3.2	86	83	10	151	18	361	65
10		10.2 - 11.6 m Breccia with angular clasts of metamorphic origin; dark grey chalcedonic matrix, matrix supported									7005	1.4	17	1.1	35	35	9	49	<5	189	60
											7006	1.4	20	2.2	52	31	10	889	<5	185	130
2											7007	1.4	93	8.3	274	143	8	721	17	2206	250
											7008	0.6	174	11.2	622	237	20	723	24	4439	380
4		15.2 m - 15.8 m intense argillic alteration									7009	1.5	11	0.9	25	26	3	49	7	295	165
											7010	1.5	10	0.7	23	24	2	18	<5	143	165
6		15.8 m - 18.6 m narrow Cc-fissures (< 1 mm wide)									7011	1.5	<5	<0.5	14	16	2	10	<5	112	220
											7012	1.5	10	<0.5	<5	20	6	12	<5	117	40
8		16.2 - 16.6 m reddish diss. hematite or Cinnabar									7013	1.5	8	<0.5	9	34	6	15	<5	120	130
20																					

PROPERTY: 'DELIA - WENDY' (SMB) HOLE NO.: D2/88 - 07

OWNER: KLONDIKE GOLD MINING CORPORATION COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 082°/70°

Hole started: 14. 08. 1988 completed: 16. 08. 1988

Total depth: 101.19 m Total samples: 76

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
2		20.0 m - 21.0 m Cc-fissures (< 1mm wide)									7014	1.8	<5	0.5	12	16	5	14	<5	125	260
											7015	0.3	12	0.8	<5	25	4	17	<5	96	170
											7016	0.6	15	2.7	40	36	3	36	9	199	40
4		21.6 m - 21.9 m similar to 10.2 - 11.6 m									7017	1.5	5	1.6	11	12	6	15	<5	169	25
		22.6 m - 28.3 m stockwork type Pyrite-fissures (< 1 cm wide) and chalcedonic veinlets with minor cc-fissures from 25.6 - 26.5 m; very narrow Pyrite-fissures from 22.6 - 26.5 m									7018	1.7	7	1.1	<5	52	5	9	5	136	20
6	reddish to grey, coarse to medium grained pyroclastic unit with angular to rounded clasts (light to medium grey, slightly yellow green); clast size < 10 cm; mainly matrix supported										7019	1.3	54	1.3	<5	7	5	22	<5	147	15
8											7020	1.4	16	1.0	33	2	1	14	<5	146	30
30		stronger brecciation from 30.5 - 31.7 m with cc-fillings, open space fillings of Sid, Py; diss. Py as well as Py-veinlets (< 3 mm); silicification									7021	1.1	9	0.6	60	<1	<1	<5	<5	141	60
											7022	1.1	<5	1.1	23	4	4	10	<5	131	25
		31.7 m - 32.9 m diss. Py; slightly silicified									7023	1.2	<5	0.8	<5	8	4	11	<5	113	25
2		32.9 m - 33.5 m same as 30.5 - 31.7 m but less mineralized									7024	1.2	6	1.1	14	<1	16	11	<5	137	25
	32.9 - 33.2 m light to medium grey, fine grained tuff; partly banded										7025	0.6	<5	1.1	<5	11	10	12	<5	138	15
4		33.5 m - 40.5 m diss. Py (up to 1 cm); slightly silicified; minor Cc-stringers from 38.4 - 38.7 m; small Py-fissures at 34.8 m									7026	1.5	154	1.2	6	15	8	11	<5	181	20
6											7027	1.5	<5	0.6	12	<1	1	6	<5	120	15
	36.6 - 37.2 m light to medium grey, fine grained tuff; partly banded										7028	1.5	<5	<0.5	<5	<1	4	<5	<5	98	200
8											7029	1.5	5	<0.5	7	<1	<1	5	<5	100	135
40																					

PROPERTY: 'DELIA - WENDY' (SMR) | HOLE NO.: D2/88 - 07

OWNER: KLONDIKE GOLD MINING CORPORATION | COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 880 m

Azimuth/Dip: 082°/70°

Hole started: 14. 08. 1988 completed: 16. 08. 1988

Total depth: 101.19 m Total samples: 76

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
2	medium grey, fine grained banded tuff with small (< 3 cm) layers of medium grained pyroclastics	40.5 - 44.8 m narrow (3 cm apart) banded chalcedonic veining (15 cm wide at 43.3 m) with diss. Py and dark grey tiny Py-fissures (< 2 mm); small Cc-fissures at 40.4 m; Chalcedonic vein at 43.3 m is crosscutted by younger Cc-veinlets and brecciated. The breccia zone is filled by carbonates. At 43.3 m a Cc-veinlet (< 1 cm) is surounded by Cinnabar fissures and diss. Cinnabar. 46.3 - 48.8 m graduall decreasing of alteration from a medium to dark grey silicified pyroclastic rock to a greenish to reddish propylitic pyroclastic rock 46.3 - 47.8 m Cc-veinlets (< 1 cm) with diss. Py 48.8 - 63.1 m coarse grained propylitic pyroclastic unit with dark reddish matrix (hematite) and green dots and clasts (Chlorite, Epidote) and minor diss. Py 53.6 m minor Cc-fissures 54.9 m minor brown grey chalcedonic clasts								
4										
6										
8	46.33 - 71.02 m coarse grained pyroclastic unit with rounded to angular clasts (andesites)									
50										
2										
4										
6										
8										
60										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
7030	0.9	<5	0.6	<5	<1	1	5	<5	111	140
7031	1.0	<5	0.6	<5	2	2	5	<5	142	170
7032	1.0	10	0.7	21	<1	2	8	<5	58	80
7033	1.0	8	0.8	5	8	3	13	<5	124	40
7034	1.0	39	0.9	<5	<1	3	15	<5	135	35
7035	1.5	12	1.4	38	15	8	45	<5	166	40
7036	1.2	15	1.1	<5	32	1	110	<5	164	30
7037	1.2	6	1.3	<5	99	<1	98	<5	142	20
7038	1.5	<5	0.7	<5	9	<1	41	<5	176	<5
7039	1.5	<5	<0.5	<5	<1	<1	9	<5	186	<5
7040	1.5	<5	<0.5	<5	1	<1	7	<5	214	<5
7041	1.5	<5	0.5	<5	6	5	76	<5	205	10
7042	1.5	<5	<0.5	<5	43	4	34	<5	197	5
7043	1.5	61	0.8	<5	19	<1	70	<5	267	15
7044	1.5	<5	<0.5	<5	14	2	17	<5	268	<5

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D2/88 - 07

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 14. 08. 1988
completed: 16. 08. 1988

Azimuth/Dip: 032°/70°
Total depth: 101.19 m
Total samples: 76

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0		60.7 m silicification with chalcedonic patches stockw. Py-fiss. (< 1mm)								
2										
4		63.1 - 70.7 m graduall increasing alteration: from propylitisation to silicification (medium grey) 64.6 - 71 m diss. dark black tiny dots with silicification								
6										
8		67.4 - 68.6 m stockwork Py-Ap-fissures 69 m Cc-veinlet with Sp and Py								
70		70.7 m diss. Cinnabar								
0	grey, fine grained tuff									
2		72 m Py-fissures 73.2 - 76.8 m stronger silicification with medium grey to slightly brownish chalcedonic stockwork and veinlets up to 3 cm wide as well as diss. chalcedony veinlets at 73.8 m and 76.3 m; diss. Cinnabar at 73.5 m and 75 m 78.3 - 78.6 m minor chalcedonic stockwork								
4										
6	medium grey, partly reddish, coarse grained pyroclastic unit with angular to rounded clasts; some clasts are irregular shaped									
8										
80										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
7045	1.5	<5	<0.5	11	<1	<1	6	<5	217	<5
7046	1.2	<5	0.7	<5	12	<1	30	<5	296	<5
7047	1.2	<5	1.0	7	10	8	97	<5	340	10
7048	1.5	8	1.2	20	23	5	91	<5	301	20
7049	1.5	<5	<0.5	<5	<1	<1	12	<5	116	25
7050	1.5	<5	<0.5	<5	8	<1	19	<5	98	30
7051	1.5	<5	<0.5	13	13	<1	20	<5	119	<5
7052	1.5	<5	<0.5	<5	9	31	12	5	67	5
7053	1.5	36	1.1	39	22	5	314	8	851	50
7054	1.5	<5	0.5	11	14	1	10	<5	106	60
7055	0.9	<5	<0.5	21	8	1	7	<5	92	60
7056	1.5	<5	<0.5	<5	<1	<1	7	<5	89	45
7057	1.5	9	0.5	19	19	2	12	<5	117	20
7058	1.5	9	0.5	23	<1	8	33	9	109	20

PROPERTY: 'DELIA - WENDY' (SMR) | HOLE NO.: D2/88 - 07 |

OWNER: KLONDIKE GOLD MINING CORPORATION | COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m

Azimuth/Dip: 032°/70°

Hole started: 14. 08. 1988 completed: 16. 08. 1988

Total depth: 101.19 m Total samples: 76

Core size: NQ

Depth (m)	Lithology	Alteration	Vein a. Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc
0		80.5 m - 80.8 m chalcedonic stockwork								
2		81.7 m diss. Cinnabar								
		82.9 m white clay veinlet (2 cm wide)								
4		85.6 m - 87.2 m 0.3 m highly silicified 0.9 m brecciated banded chalcedony vein filled with white Cc and Ap; diss. Py as well as Py-fissures developed 0.3 m highly silicified								
6										
8		89.3 - 89.6 m breccia with clay and carbonate fissures								
90		chalcedonic fillings (3 cm x 4 cm) at 90.2 and 90.5 m								
		93.3 - 93.6 m stronger chalcedonic stockwork with minor amounts of diss. black dots								
2		93.6 - 101.2 m diss. black dots								
4		95.8 m Cc-Py-veinlet (< 3cm)								
6		96.3 m argillic alteration (10 cm wide)								
8		100.3 - 100.9 m Py-Cc-fissures								
100										

Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
7059	1.5	<5		13	5	4	11	<5	73	95
7060	1.5	<5	<0.5	23	27	2	10	<5	73	65
7061	1.5	<5	<0.5	<5	11	4	8	10	61	170
7062	1.5	<5	<0.5	15	<1	1	8	<5	53	155
7063	0.3	<5	<0.5	14	<1	<1	10	<5	54	40
7064	0.3	7	0.7	27	6	<1	38	<5	215	30
7065	1.5	168	4.2	75	17	4	855	12	1374	155
7066	0.3	11	1.3	23	28	<1	127	12	558	40
7067	0.3	9	0.8	27	18	<1	36	<5	383	40
7068	1.5	6	<0.5	20	11	<1	12	5	177	155
7069	1.5	<5	<0.5	8	17	<1	11	<5	123	90
7070	1.5	<5	<0.5	8	16	<1	8	<5	97	<5
7071	1.5	<5	<0.5	<5	11	<1	9	<5	87	40
7072	1.5	<5	<0.5	<5	9	<1	8	<5	88	15
7073	1.5	244	0.6	88	14	<1	31	9	115	45
7074	1.5	5	<0.5	8	7	<1	10	<5	59	75
7075	1.5	<5	<0.5	<5	5	<1	8	<5	74	135

PROPERTY: 'DELIA - WENDY' (SMR)
HOLE NO.: D2/88 - 07

OWNER: KLONDIKE GOLD MINING CORPORATION
COORDINATES: LAT. 63° 59'30"N; LONG. 140° 46'30"W

Elevation: 680 m
Hole started: 14. 08. 1988
completed: 16. 08. 1988

Azimuth/Dip: 032°/70°
Total depth: 101.19 m
Total samples: 76

Core size: NQ

Depth (m)		Lithology	Alteration	Vein & Alteration Min. Py	Cp	Ap	Gn	Sp	Cl	Qt	Cc	Sample No.	Assay Interval m	Assay Results (ppm; Au, Hg = ppb) Au	Ag	As	Cu	Mo	Pb	Sb	Zn	Hg
												7076	1.5	19	0.6	41	88	<1	70	7	235	45
2																						
4																						
6																						
8																						
10																						
2																						
4																						
6																						
8																						
20																						

A P P E N D I X III

Core box description

Core box description

Drillhole: **D4/88-01**

Box	1:	7	- 30	feet
Box	2:	30	- 43	feet
Box	3:	43	- 59.5	feet
Box	4:	59.5	- 76	feet
Box	5:	76	- 90.4	feet
Box	6:	90.4	- 109.5	feet
Box	7:	109.5	- 127.5	feet
Box	8:	127	- 145.5	feet
Box	9:	145.5	- 164	feet
Box	10:	164	- 183	feet
Box	11:	183	- 200.5	feet
Box	12:	200.5	- 218.5	feet
Box	13:	218.5	- 236	feet
Box	14:	236	- 254.5	feet
Box	15:	254.5	- 272	feet
Box	16:	272	- 291	feet
Box	17:	291	- 310	feet
Box	18:	310	- 327	feet
Box	19:	327	- 346.5	feet
Box	20:	346.5	- 364	feet
Box	21:	364	- 382	feet
Box	22:	382	- 399.5	feet
Box	23:	399.5	- 417.5	feet
Box	24:	417.5	- 435	feet
Box	25:	435	- 453	feet
Box	26:	453	- 472.5	feet
Box	27:	472.5	- 490	feet
Box	28:	490	- 507.5	feet
Box	29:	507.5	- 526.5	feet
Box	30:	526.5	- 544.5	feet
Box	31:	544.5	- 562.5	feet
Box	32:	562.5	- 581.5	feet
Box	33:	581.5	- 600	feet
Box	34:	600	- 618	feet
Box	35:	618	- 632	feet

Drillhole: **D4/88-02**

Box	1:	10	- 29	feet
Box	2:	29	- 46.5	feet
Box	3:	46.5	- 63.5	feet
Box	4:	63.5	- 79	feet
Box	5:	79	- 94.5	feet
Box	6:	94.5	- 109	feet
Box	7:	109	- 126	feet
Box	8:	126	- 139.5	feet
Box	9:	139.5	- 156.5	feet
Box	10:	156.5	- 172	feet
Box	11:	172	- 190	feet
Box	12:	190	- 207	feet
Box	13:	207	- 224	feet
Box	14:	224	- 241.5	feet
Box	15:	241.5	- 258	feet
Box	16:	258	- 275	feet
Box	17:	275	- 293.5	feet
Box	18:	293.5	- 302	feet

Drillhole: **D4/88-03**

Box	1:	10	- 34	feet
Box	2:	34	- 50.5	feet
Box	3:	50.5	- 67	feet
Box	4:	67	- 85	feet
Box	5:	85	- 102	feet
Box	6:	102	- 119	feet
Box	7:	119	- 137	feet
Box	8:	137	- 144.5	feet
Box	9:	144.5	- 173.5	feet
Box	10:	173.5	- 190	feet
Box	11:	190	- 208.5	feet
Box	12:	208.5	- 225.5	feet
Box	13:	225.5	- 245	feet
Box	14:	245	- 262	feet
Box	15:	262	- 281	feet
Box	16:	281	- 299	feet
Box	17:	299	- 318	feet
Box	18:	318	- 336	feet

Drillhole: **D4/88-04**

Box	1:	10	- 30	feet
Box	2:	30	- 47	feet
Box	3:	47	- 69	feet
Box	4:	69	- 87	feet
Box	5:	87	- 105	feet
Box	6:	105	- 124	feet
Box	7:	124	- 142.5	feet
Box	8:	142.5	- 158.5	feet
Box	9:	158.5	- 178	feet
Box	10:	178	- 195.5	feet
Box	11:	195.5	- 215.5	feet
Box	12:	215.5	- 234	feet
Box	13:	234	- 253	feet
Box	14:	253	- 271	feet
Box	15:	271	- 288.5	feet
Box	16:	288.5	- 300	feet

Drillhole: **D4/88-05**

Box	1:	12	- 31.5	feet
Box	2:	31.5	- 50.5	feet
Box	3:	50.5	- 69	feet
Box	4:	69	- 87	feet
Box	5:	87	- 94.5	feet
Box	6:	94.5	- 122.5	feet
Box	7:	122.5	- 138.5	feet
Box	8:	138.5	- 160	feet
Box	9:	160	- 177.5	feet
Box	10:	177.5	- 197	feet
Box	11:	197	- 216.5	feet
Box	12:	216.5	- 236	feet
Box	13:	236	- 254	feet
Box	14:	254	- 273	feet
Box	15:	273	- 292	feet
Box	16:	292	- 308	feet
Box	17:	308	- 310	feet

Drillhole: D4/88-06

Box	1:	6	- 26.5	feet
Box	2:	26.5	- 45	feet
Box	3:	45	- 62	feet
Box	4:	62	- 80	feet
Box	5:	80	- 99	feet
Box	6:	99	- 117	feet
Box	7:	117	- 135	feet
Box	8:	135	- 152.5	feet
Box	9:	152.5	- 172.5	feet
Box	10:	172.5	- 188.5	feet
Box	11:	188.5	- 206.5	feet
Box	12:	206.5	- 224	feet
Box	13:	224	- 243	feet
Box	14:	243	- 261	feet
Box	15:	261	- 275	feet

Drillhole: **D4/88-07**

Box	1:	6	- 29.5	feet
Box	2:	29.5	- 45	feet
Box	3:	45	- 62	feet
Box	4:	62	- 77.5	feet
Box	5:	77.5	- 96	feet
Box	6:	96	- 113.5	feet
Box	7:	113.5	- 132	feet
Box	8:	132	- 149.5	feet
Box	9:	149.5	- 168	feet
Box	10:	168	- 187	feet
Box	11:	187	- 206.5	feet
Box	12:	206.5	- 225.5	feet
Box	13:	225.5	- 243.5	feet
Box	14:	243.5	- 262	feet
Box	15:	262	- 280	feet
Box	16:	280	- 297.5	feet
Box	17:	297.5	- 315.5	feet
Box	18:	315.5	- 332	feet

A P P E N D I X IV

Drillsheets with geochemical data

LEGENDE:

 Tailings, overburden,

 Pyroclastica,

 Andesitic lava flow

 Granodioritic dyke

 Chilled margin of granodioritic dyke

 Breccia

 Stockwork (pyrite as well as chalcedony to quartz)

 Silicification

 Argillitization

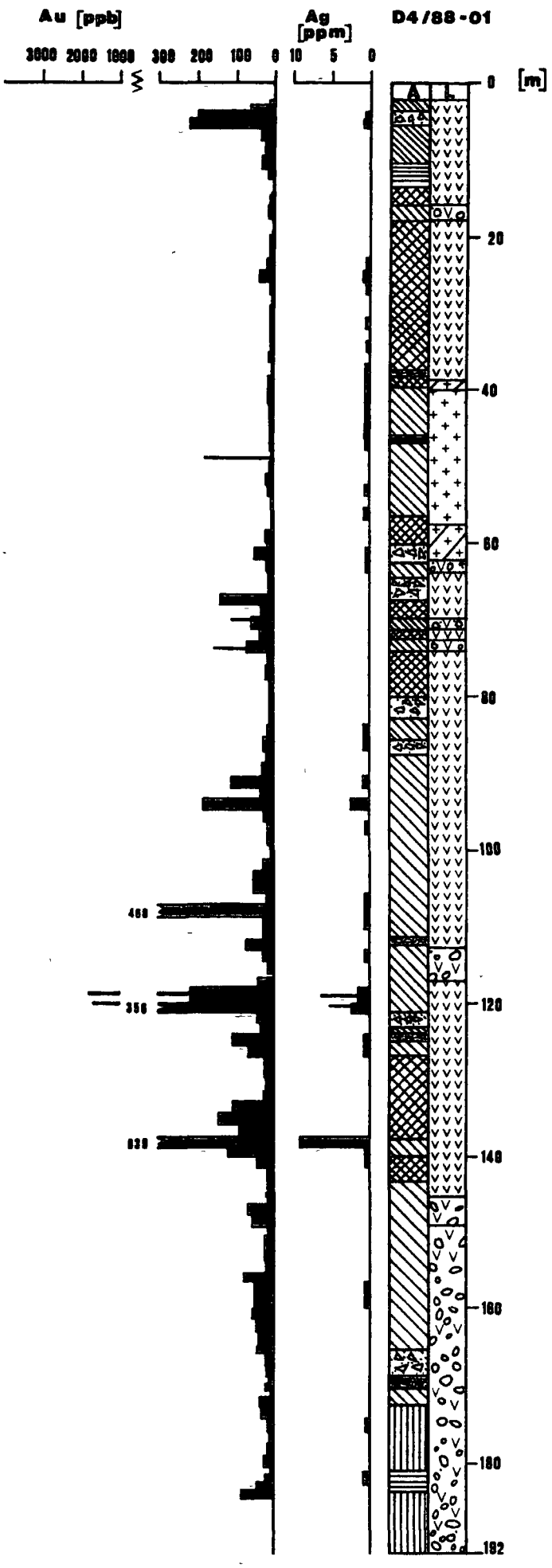
 Propylitization

L Description of lithology

A Description of alteration

A P P E N D I X V

Drillogs with gold- and silver distibution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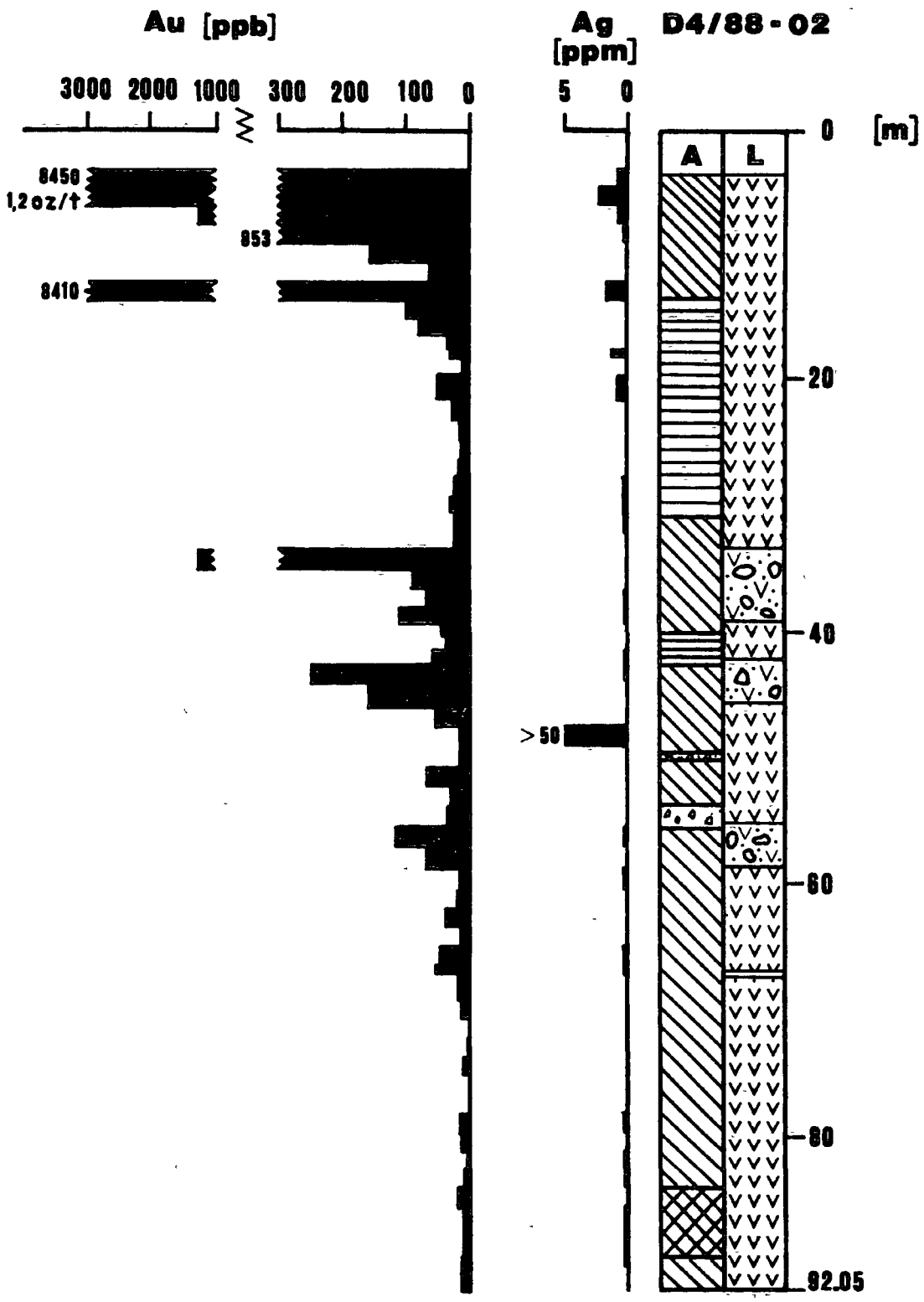
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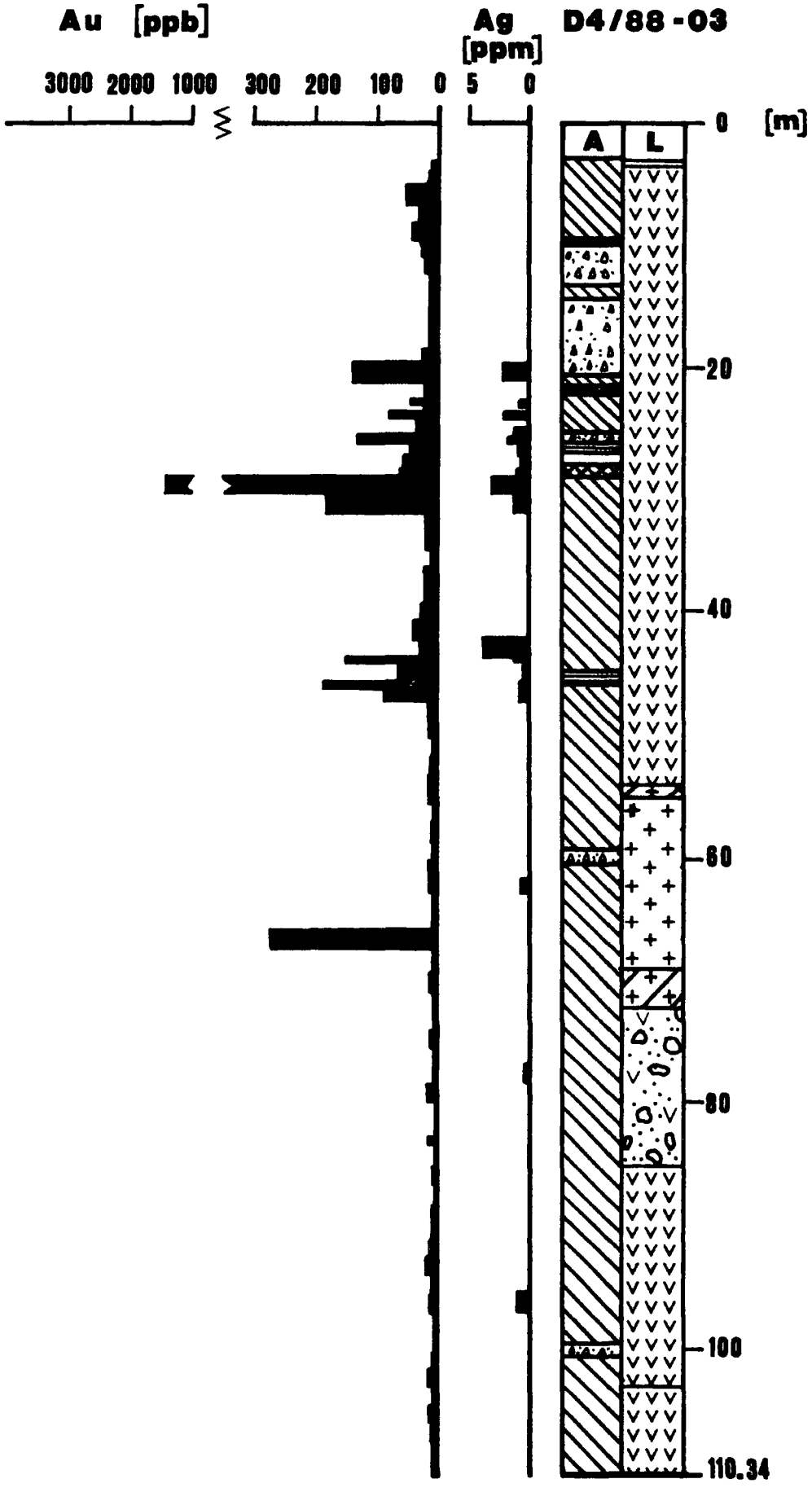
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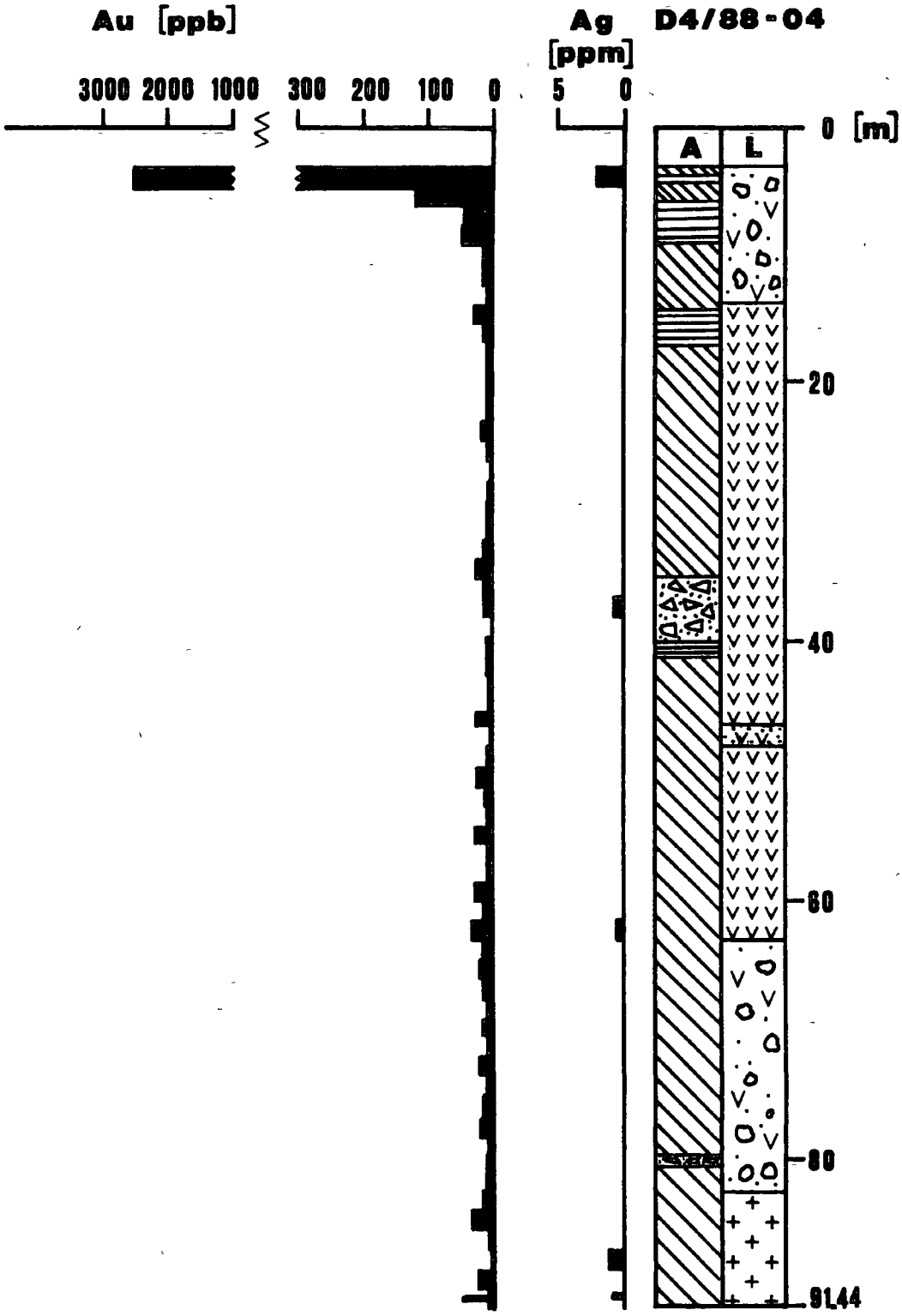
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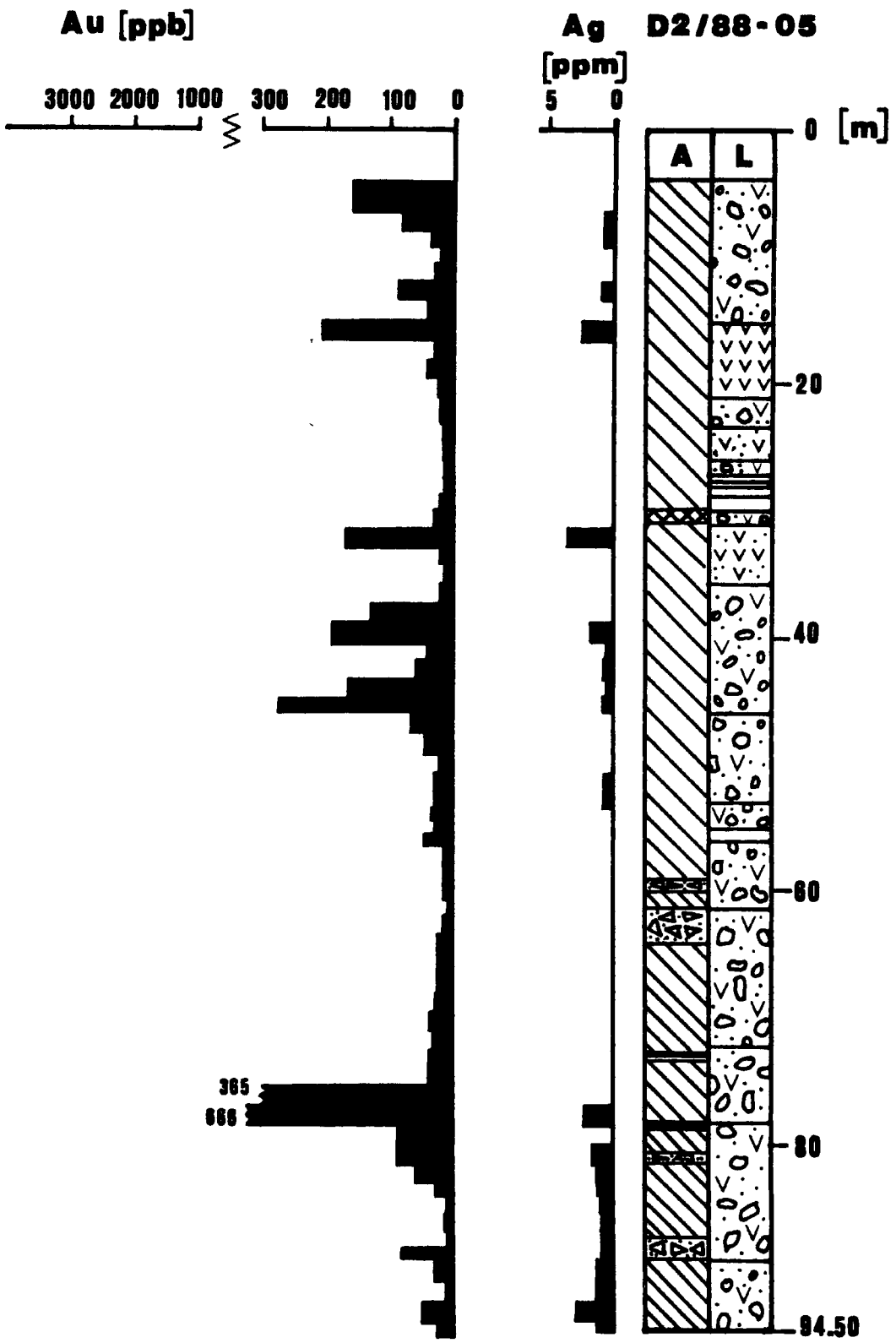
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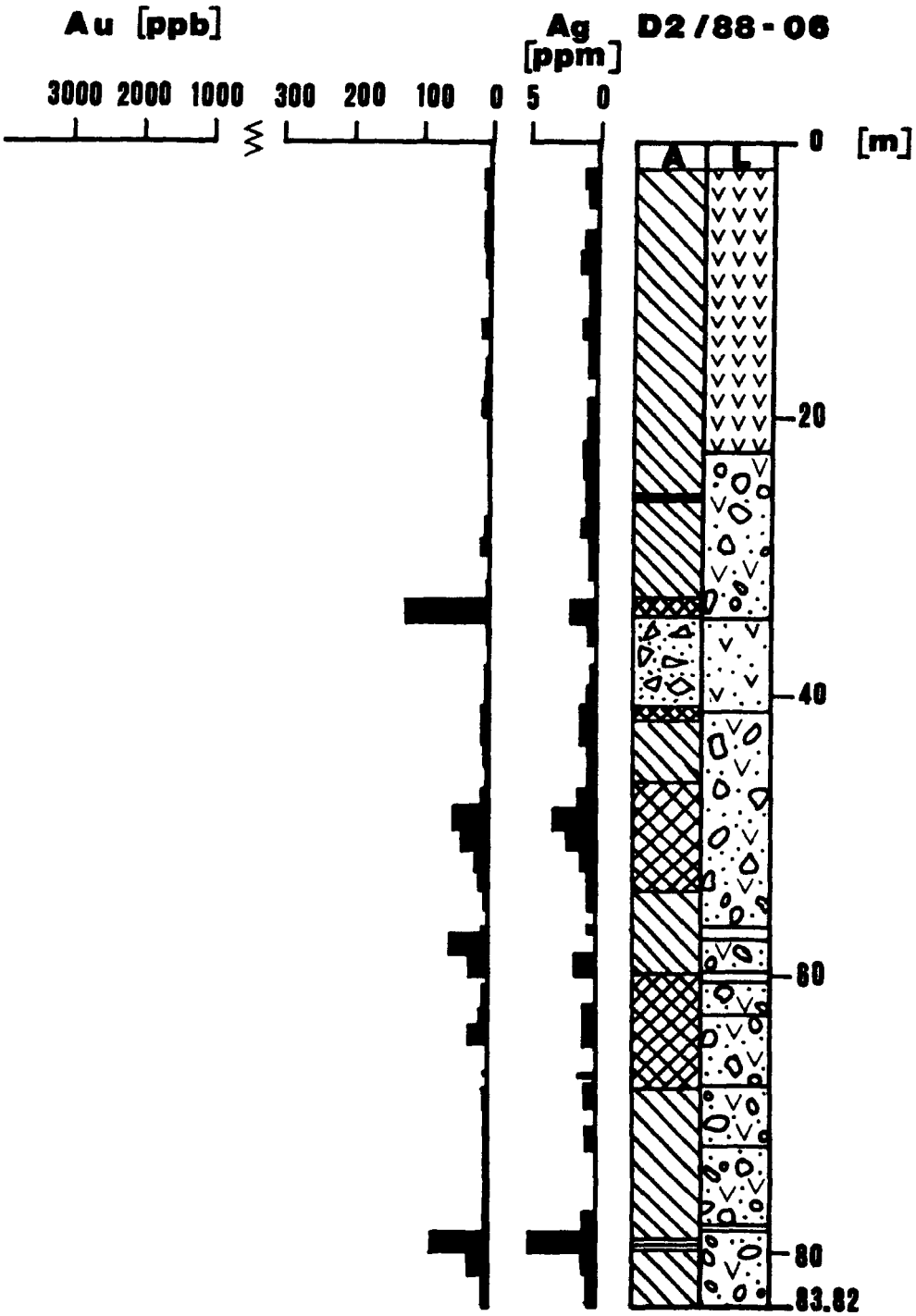
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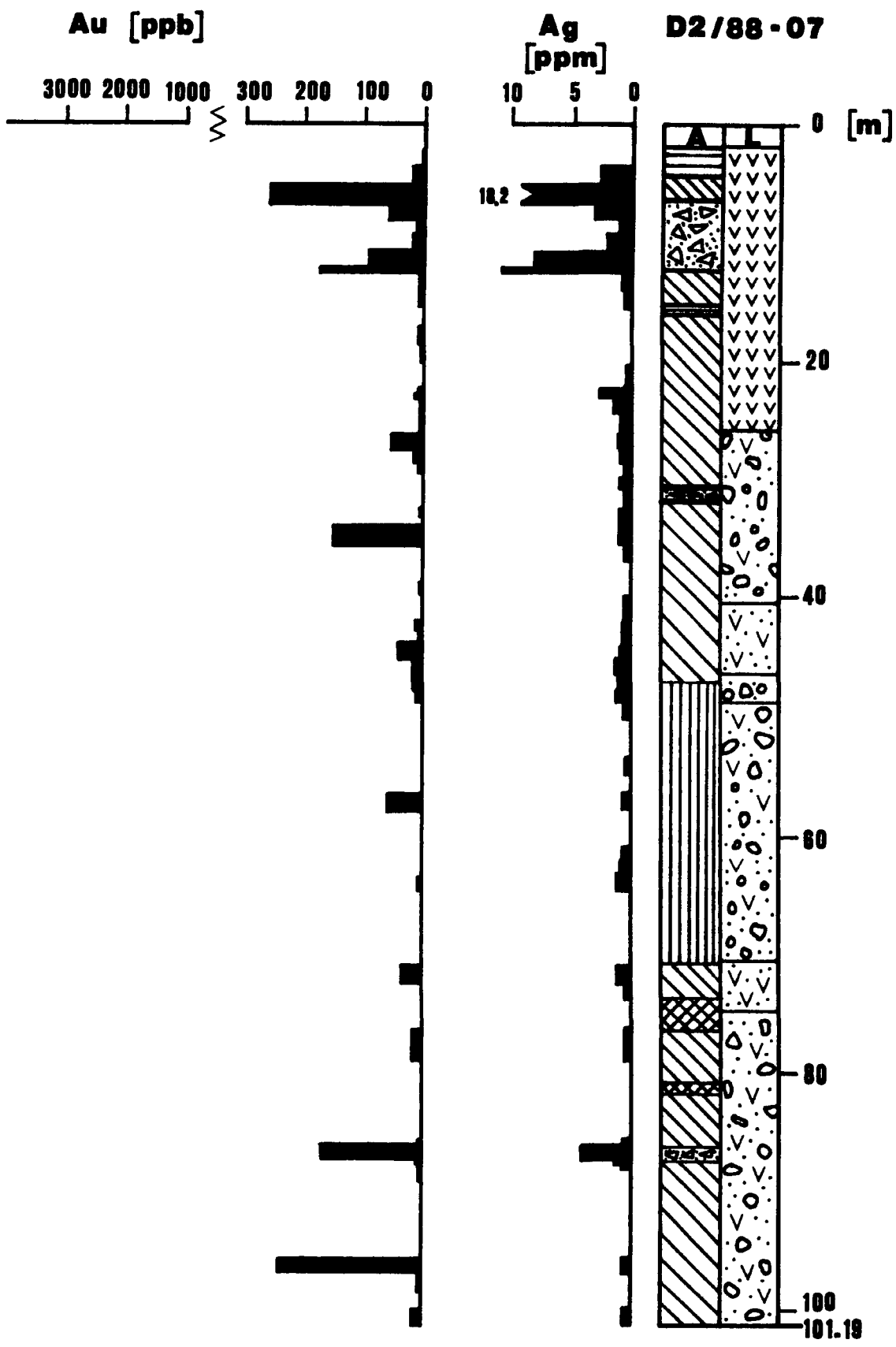
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A P P E N D I X VI

Geochemical data in depth relation

DRILLHOLE D4 88-01

Sample ID	Assay interv. (m)		Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
1001	2.1	2.7	0.6	12	0	7	14	5	31	0	109	25	0.0
1002	2.7	3.6	0.9	62	0	55	9	7	44	0	971	45	0.0
1003	3.6	4.5	0.9	199	0.9	278	30	3	566	0	1817	130	4.5
1004	4.5	5.8	1.3	219	1	37	23	7	239	0	461	35	4.6
1005	5.8	7.6	1.8	33	0	20	9	5	33	0	64	25	0.0
1006	7.6	9.4	1.8	23	0	17	7	10	26	0	152	25	0.0
1007	9.4	11.2	1.8	30	0	15	5	7	19	0	63	30	0.0
1008	11.2	12.7	1.5	12	0	15	9	1	17	0	78	20	0.0
1009	12.7	14.5	1.8	8	0	11	9	3	27	0	172	30	0.0
1010	14.5	16.0	1.5	11	0	6	9	1	40	0	122	20	0.0
1011	16.0	17.8	1.8	14	0	5	10	9	35	0	87	25	0.0
1012	17.8	19.4	1.6	7	0	8	3	0	18	0	55	15	0.0
1013	19.4	20.0	0.6	10	0	12	6	0	9	0	18	15	0.0
1014	20.0	21.1	1.1	12	0	12	6	1	8	0	12	10	0.0
1015	21.1	22.7	1.6	11	0	9	3	3	10	0	38	15	0.0
1016	22.7	24.3	1.6	22	0.7	12	6	4	44	0	168	20	31.8
1017	24.3	25.8	1.5	40	1.1	16	19	6	56	0	93	20	27.5
1018	25.8	27.4	1.6	9	0.6	0	4	3	30	0	112	30	66.7
1019	27.4	28.9	1.5	8	0	0	5	3	43	0	99	35	0.0
1020	28.9	30.5	1.6	12	0	0	7	2	59	0	131	30	0.0
1021	30.5	32.0	1.5	11	0.6	-	9	2	104	0	266	30	54.5
1022	32.0	33.5	1.5	11	0	5	15	1	64	0	196	40	0.0
1023	33.5	35.0	1.5	9	0.6	-	8	0	103	0	355	40	66.7
1024	35.0	36.5	1.5	15	0	9	20	0	152	0	460	40	0.0
1025	36.5	38.0	1.5	11	0.5	-	14	4	127	0	337	30	45.5
1026	38.0	38.9	0.9	17	0.6	0	10	4	105	0	324	35	35.3
1027	38.9	40.4	1.5	15	0.7	0	6	0	92	0	355	40	46.7
1028	40.4	41.9	1.5	14	0.7	5	20	0	89	0	230	35	50.0
1029	41.9	43.4	1.5	11	0.6	0	12	1	69	0	132	25	54.5
1030	43.4	44.9	1.5	9	0.6	0	4	1	60	0	252	35	66.7
1031	44.9	46.4	1.5	10	0.7	0	4	0	40	0	111	20	70.0
1032	46.4	47.9	1.5	8	0.5	5	4	0	42	0	168	15	62.5
1033	47.9	49.4	1.5	11	0	10	5	1	12	0	38	10	0.0
1042	49.4	49.5	0.1	179	0	165	52	15	84	6	355	55	0.0
1034	49.4	50.9	1.5	19	0	14	11	2	17	0	59	15	0.0
1035	50.9	52.4	1.5	15	0	0	6	1	26	0	50	10	0.0
1036	52.4	54.0	1.6	8	0.6	0	9	0	34	0	104	20	75.0
1037	54.0	55.5	1.5	8	0	0	8	0	58	0	169	20	0.0
1038	55.5	57.0	1.5	7	0.7	0	5	0	35	0	108	30	100.0
1039	57.0	58.5	1.5	7	0	0	5	0	17	0	54	10	0.0
1040	58.5	60.0	1.5	22	0	14	7	0	6	0	40	20	0.0
1041	60.0	60.6	0.6	19	0	15	41	5	27	0	83	30	0.0
1043	60.6	62.2	1.6	49	0.6	17	38	3	28	0	96	15	12.2
1044	62.2	63.7	1.5	19	0.6	10	11	2	53	0	176	20	31.6
1045	63.7	65.2	1.5	17	0	16	31	3	64	0	163	30	0.0
1046	65.2	66.7	1.5	15	0	12	24	2	32	0	158	30	0.0
1047	66.7	68.2	1.5	346	0	29	7	9	15	0	50	20	0.0
1048	68.2	69.7	1.5	30	0	16	90	4	18	0	89	20	0.0
1052	69.9	70.0	0.1	65	0.6	33	21	2	32	0	40	20	9.2
1053	70.0	70.1	0.1	108	1.6	50	121	27	81	0	653	145	14.8
1049	69.7	71.3	1.6	56	0	20	233	48	12	0	51	15	0.0
1050	71.3	72.9	1.6	35	0	16	21	1	12	0	81	15	0.0

DRILLHOLE D4 88-01

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
1054	74.1 - 74.2	0.1	150	0	14	123	31	20	0	51	20	0.0
1051	72.9 - 74.4	1.5	72	0	12	7	0	23	0	85	20	0.0
1055	74.4 - 76.2	1.8	16	0	8	14	12	36	0	122	15	0.0
1056	76.2 - 78.0	1.8	19	0	7	9	2	44	0	130	10	0.0
1057	78.0 - 79.8	1.8	10	0	10	18	2	42	0	135	10	0.0
1058	79.8 - 81.6	1.8	11	0	7	9	0	50	0	141	15	0.0
1059	81.6 - 83.4	1.8	11	0	9	8	0	44	0	141	10	0.0
1060	83.4 - 85.2	1.8	16	0.7	11	20	0	53	0	154	30	43.8
1061	85.2 - 87.0	1.8	26	0	14	6	1	29	0	111	25	0.0
1062	87.0 - 88.6	1.6	20	0	6	17	0	53	0	205	30	0.0
1063	88.6 - 90.2	1.6	21	0	6	11	3	62	0	168	30	0.0
1064	90.2 - 91.8	1.6	109	0.9	44	68	8	83	0	174	20	8.3
1065	91.8 - 93.3	1.5	45	0	21	17	4	11	0	45	15	0.0
1081	93.3 - 93.4	0.1	700	4.4	638	22	3	64	0	54	25	6.3
1082	93.4 - 93.5	0.1	537	5.8	152	84	3	158	0	107	25	17.2
1066	93.5 - 94.8	1.5	186	2.4	132	42	4	53	0	62	20	12.9
1067	94.8 - 96.3	1.5	23	0	21	5	7	16	0	82	20	0.0
1068	96.3 - 97.8	1.5	14	0.5	10	10	5	28	0	133	15	35.7
1069	97.8 - 99.3	1.5	12	0	0	9	3	24	0	118	10	0.0
1070	99.3 - 100.9	1.6	9	0	0	5	13	19	0	146	10	0.0
1071	100.9 - 102.5	1.6	24	0	9	11	4	28	0	130	15	0.0
1072	102.5 - 104.0	1.5	56	0	0	8	1	18	0	114	15	0.0
1073	104.0 - 105.5	1.5	54	0	6	23	2	22	0	143	15	0.0
1074	105.5 - 107.1	1.6	28	0.6	14	6	0	35	0	130	10	33.3
1075	107.1 - 108.7	1.6	468	3.7	25	11	4	49	0	105	10	1.5
1076	108.7 - 110.2	1.5	26	0.6	11	32	0	390	53	116	20	23.1
1077	110.2 - 111.7	1.5	25	0	0	29	1	55	0	132	20	0.0
1078	111.7 - 113.2	1.5	76	0	8	20	0	79	0	171	25	0.0
1079	113.2 - 114.7	1.5	34	0.5	7	19	0	69	7	116	20	14.7
1080	114.7 - 116.2	1.5	27	0	7	14	0	54	5	112	10	0.0
1083	116.2 - 116.5	0.3										
1084	116.5 - 118.0	1.5	37	0	19	8	3	47	0	91	30	0.0
1086	119.3 - 119.4	0.1	1810	6.8	224	1404	2	380	0	536	50	3.8
1085	118.0 - 120.0	2.0	218	1.5	42	179	2	79	0	114	30	6.9
1087	120.4 - 120.5	0.1	1775	31.1	866	3263	2	391	192	450	550	17.5
1088	120.0 - 121.0	1.0	356	2.3	111	283	2	71	14	52	40	6.5
1089	121.0 - 122.5	1.5	38	0	17	20	3	30	0	94	35	0.0
1090	122.5 - 124.0	1.5	33	0	10	19	4	21	0	80	30	0.0
1091	124.0 - 125.5	1.5	108	0.7	21	82	6	91	8	73	20	6.5
1092	125.5 - 127.0	1.5	65	0.8	26	85	2	57	0	164	15	12.3
1093	127.0 - 128.5	1.5	22	0	0	12	2	36	0	95	10	0.0
1094	128.5 - 130.0	1.5	23	0	0	7	4	31	0	103	10	0.0
1095	130.0 - 131.5	1.5	18	0	0	13	5	48	5	136	65	0.0
1096	131.5 - 133.0	1.5	23	0	0	89	1	23	0	107	45	0.0
1097	133.0 - 134.5	1.5	108	0	7	37	2	51	0	166	30	0.0
1098	134.5 - 136.0	1.5	144	0	8	61	1	30	0	130	30	0.0
1099	136.0 - 137.5	1.5	89	0	15	19	2	58	6	130	10	0.0
1100	137.5 - 138.7	1.2	839	9	24	403	2	198	14	154	10	10.7
1101	138.7 - 140.0	1.3	119	0.6	16	24	9	50	0	149	10	5.0
1102	140.0 - 141.5	1.5	41	0.5	0	18	0	55	0	115	40	12.2
1103	141.5 - 143.0	1.5	14	0	0	11	6	27	0	119	20	0.0

DRILLHOLE D4 88-01

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
1104	143.0 - 144.8	1.8	14	0	0	9	2	51	0	98	20	0.0
1105	144.8 - 145.4	0.6	18	0	0	7	0	37	0	113	10	0.0
1106	145.4 - 146.3	0.9	15	0	0	8	1	93	11	108	5	0.0
1107	146.3 - 147.9	1.6	71	0	0	13	0	248	27	103	20	0.0
1108	147.9 - 149.4	1.5	55	0	0	14	0	301	41	108	15	0.0
1109	149.4 - 150.9	1.5	13	0	0	7	1	28	0	103	15	0.0
1110	150.9 - 152.4	1.5	26	0	5	10	2	45	0	119	60	0.0
1111	152.4 - 153.9	1.5	23	0	6	22	1	951	147	144	20	0.0
1112	153.9 - 155.4	1.5	20	0	20	38	1	97	9	197	30	0.0
1113	155.4 - 156.9	1.5	83	0	27	65	1	99	0	182	35	0.0
1114	156.9 - 158.4	1.5	49	0	20	20	0	54	0	175	30	0.0
1115	158.4 - 160.0	1.6	49	0.6	27	26	0	82	7	363	25	12.2
1116	160.0 - 161.6	1.6	55	0	8	77	1	57	7	1723	10	0.0
1117	161.6 - 163.1	1.5	44	0	10	25	0	43	0	156	10	0.0
1118	163.1 - 164.6	1.5	29	0	13	29	0	39	0	135	10	0.0
1119	164.6 - 165.8	1.2	44	0	8	23	1	68	0	206	20	0.0
1120	165.8 - 167.4	1.6	23	0	9	14	2	38	0	184	20	0.0
1121	167.4 - 168.9	1.5	17	0	0	22	4	20	0	126	15	0.0
1122	168.9 - 169.8	0.9	22	0	0	19	3	21	0	104	10	0.0
1123	169.8 - 170.7	0.9	7	0	10	23	0	54	5	100	95	0.0
1124	170.7 - 171.6	0.9	35	0	19	46	0	165	17	245	50	0.0
1125	171.6 - 172.9	1.3	37	0	14	57	0	43	0	212	25	0.0
1126	172.9 - 174.4	1.5	16	0	7	20	0	113	13	199	10	0.0
1127	174.4 - 175.9	1.5	10	0.5	0	6	0	43	0	219	10	50.0
1128	175.9 - 177.4	1.5	13	0	0	17	0	37	9	212	10	0.0
1129	177.4 - 178.9	1.5	24	0	0	14	0	66	8	264	30	0.0
1130	178.9 - 180.4	1.5	8	0	0	8	0	96	0	171	20	0.0
1131	180.4 - 181.0	0.6	19	0	0	65	0	63	0	154	20	0.0
1132	181.0 - 182.5	1.5	43	0.6	14	158	0	25	0	157	25	14.0
1133	182.5 - 183.7	1.2	87	0	6	389	0	12	0	147	10	0.0
1134	183.7 - 184.6	0.9	78	0	9	188	2	15	0	174	10	0.0
	MIN		7	0	0	3	0	6	0	12	5	0
	MAX		1810	31.1	866	3263	48	951	192	1817	550	100
	STD		239.67	2.90	93.76	308.40	5.82	110.71	21.67	231.48	49.16	19.70

DRILLHOLE 88-02

Sample ID	Assay interv. (m)	SUM Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
2001	3.0 - 4.5	1.5	8457	1.6	152	12	6	70	0	568	240	0.2
2002	4.5 - 6.0	1.5	37300	4.3	152	27	9	70	0	6166	1000	0.1
2003	6.0 - 7.5	1.5	1228	1.3	88	16	5	50	0	252	60	1.1
2004	7.5 - 9.0	1.5	853	0.7	87	7	4	26	0	193	60	0.8
2005	9.0 - 10.5	1.5	157	0	57	7	2	14	0	49	80	0.0
2006	10.5 - 12.0	1.5	62	0	39	16	0	13	8	49	60	0.0
2007	12.0 - 13.5	1.5	8412	3.1	318	20	0	66	0	148	60	0.4
2008	13.5 - 15.0	1.5	100	0	46	4	0	14	0	58	25	0.0
2009	15.0 - 16.5	1.5	79	0	41	4	1	10	-	45	25	0.0
2010	16.5 - 17.6	1.1	37	0	25	9	2	17	0	45	40	0.0
2011	17.6 - 18.3	0.7	31	2.3	130	14	5	944	7	193	100	74.2
2012	18.3 - 19.8	1.5	14	0	29	14	1	285	0	161	75	0.0
2013	19.8 - 21.6	1.8	50	1.5	60	10	1	191	0	192	50	30.0
2014	21.6 - 23.1	1.5	25	0	25	17	0	54	0	129	40	0.0
2015	23.1 - 24.6	1.5	16	0	11	8	1	50	0	111	110	0.0
2016	24.6 - 26.1	1.5	17	0	14	16	2	43	0	97	45	0.0
2017	26.1 - 27.6	1.5	19	0	22	9	0	40	0	135	55	0.0
2018	27.6 - 29.1	1.5	24	0.6	29	8	0	70	0	79	40	25.0
2019	29.1 - 30.6	1.5	29	0.9	34	24	1	59	0	114	40	31.0
2020	30.6 - 32.1	1.5	25	0.6	31	43	1	50	0	144	55	24.0
2021	32.1 - 33.6	1.5	25	0	18	28	0	54	0	110	40	0.0
2022	33.6 - 35.1	1.5	1284	0	44	107	4	52	7	136	35	0.0
2023	35.1 - 36.6	1.5	80	0	34	86	3	19	0	103	45	0.0
2024	36.6 - 38.1	1.5	71	0.7	91	199	4	22	8	100	55	9.9
2025	38.1 - 39.2	1.1	111	0.6	66	261	7	28	0	90	25	5.4
2026	39.2 - 40.1	0.9	41	0	22	8	0	13	0	29	10	0.0
2027	40.1 - 41.3	1.2	39	0	20	4	1	20	0	43	100	0.0
2032	42.3 - 42.4	0.1	84	0.9	56	12	3	58	0	106	50	10.7
2028	42.3 - 42.5	0.1	59	0.5	25	6	0	15	0	42	70	8.5
2029	42.5 - 44.0	1.2	249	0.9	49	14	4	28	0	80	40	3.6
2030	44.0 - 45.9	1.5	161	0	50	52	0	34	0	154	25	0.0
2032	45.9 - 47.5	1.6	56	0	17	25	1	15	0	92	20	0.0
2033	47.5 - 49.0	1.5	18	50.0	367	568	109	3161	316	4112	485	2777.8
2034	49.0 - 50.5	1.5	19	0	16	3	0	5	0	50	45	0.0
2035	50.5 - 52.0	1.5	73	0	37	5	0	19	6	79	115	0.0
2036	52.0 - 53.5	1.5	29	0	21	9	0	13	0	70	50	0.0
2037	53.5 - 55.4	1.9	33	0	18	3	1	19	0	87	105	0.0
2038	55.4 - 56.9	1.5	119	0.7	50	15	2	17	0	96	95	5.9
2039	56.9 - 58.8	1.9	71	0	41	29	14	23	6	63	180	0.0
2040	58.8 - 60.3	1.5	14	0.6	14	15	0	14	0	98	20	42.9
2041	60.3 - 61.8	1.5	19	0	21	13	2	31	0	112	25	0.0
2042	61.8 - 63.3	1.5	40	0.7	28	12	2	47	0	74	15	17.5
2043	63.3 - 64.8	1.5	15	0	19	3	0	7	0	27	20	0.0
2044	64.8 - 66.3	1.5	47	0.7	26	85	0	31	0	140	20	14.9
2045	66.3 - 66.9	0.6	53	0.9	33	73	0	8	5	43	55	17.0
2046	66.9 - 67.5	0.6	21	0	22	25	5	48	0	80	25	0.0
2047	67.5 - 69.0	1.5	21	0	25	23	4	45	0	84	25	0.0
2048	69.0 - 70.5	1.5	16	0	18	3	0	36	0	62	30	0.0
2049	70.5 - 72.0	1.5	0	0	9	5	1	67	0	146	20	0.0
2050	72.0 - 73.5	1.5	5	0	16	22	1	35	0	121	65	0.0
2051	73.5 - 75.0	1.5	10	0	15	8	2	42	0	152	45	0.0
2052	75.0 - 76.5	1.5	0	0	6	6	1	57	0	133	40	0.0
2053	76.5 - 78.0	1.5	0	0	0	25	0	54	5	131	40	0.0
2054	78.0 - 79.5	1.5	15	0.8	26	8	0	109	0	267	25	53.3

DRILLHOLE 88-02

Sample ID	Assay interv. (m)	SUM Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
2055	79.5 - 81.0	1.5	13	0	9	37	0	40	0	113	10	0.0
2056	81.0 - 82.5	1.5	6	0.7	19	6	0	39	0	85	10	116.7
2057	82.5 - 84.0	1.5	11	0.5	14	6	0	72	7	125	15	45.5
2058	84.0 - 85.5	1.5	21	0	17	36	0	90	0	140	20	0.0
2059	85.5 - 87.0	1.5	13	0.6	15	3	0	74	0	137	20	46.2
2060	87.0 - 88.5	1.5	11	0.5	18	11	7	99	0	182	20	45.5
2061	88.5 - 90.0	1.5	17	0.8	17	31	0	114	0	219	20	47.1
2062	90.0 - 92.0	2.0	14	0	9	35	3	66	0	238	20	0.0
	MIN		0	0	0	2	0	5	0	33	10	0
	MAX		37300	50	367	668	109	3161	316	6166	1000	2778
	STD		4885.32	6.29	62.49	91.30	13.76	408.65	39.75	909.23	136.81	349.19

DRILLHOLE 88-03

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
3001	3.0 - 3.6	0.6	9	0	17	5	0	38	0	82	25	0.0
3002	3.6 - 4.9	1.3	14	0	18	9	0	20	0	105	35	0.0
3003	4.9 - 6.4	1.5	48	0	22	79	0	33	6	100	60	0.0
3004	6.4 - 7.9	1.5	28	0	12	32	1	28	0	104	40	0.0
3005	7.9 - 9.4	1.5	40	0	22	62	2	45	0	122	60	0.0
3006	9.4 - 10.9	1.5	25	0	16	14	3	40	0	316	60	0.0
3007	10.9 - 12..	1.2	9	0	15	8	3	57	0	140	40	0.0
3008	12.1 - 13.6	1.5	16	0.5	14	7	3	71	0	139	35	31.3
3009	13.6 - 14.6	1.0	16	0	14	7	2	55	0	139	25	0.0
3010	14.6 - 15.2	0.6	12	0	13	8	7	43	8	109	55	0.0
3011	15.2 - 16.9	1.7	13	0	31	5	4	43	0	101	110	0.0
3012	16.9 - 18.4	1.5	15	0	14	6	4	69	0	126	70	0.0
3013	18.4 - 19.6	1.2	33	0	35	10	3	66	0	170	60	0.0
3014	19.6 - 20.8	1.2	134	2.2	144	93	22	324	12	236	160	16.4
3015	20.8 - 22.1	1.3	21	0	35	7	4	63	0	150	80	0.0
3016	22.1 - 22.4	0.3	16	0	25	4	7	93	8	225	95	0.0
3017	22.4 - 22.7	0.3	43	0.9	45	32	10	172	11	358	100	20.9
3018	22.7 - 23.4	0.7	23	0	20	21	5	45	0	62	25	0.0
3019	23.4 - 23.7	0.3	77	2.1	41	15	3	317	0	76	55	27.3
3020	23.7 - 24.8	1.1	34	0	23	6	8	25	6	65	40	0.0
3021	24.8 - 25.7	0.9	34	1.2	32	7	3	30	0	42	40	35.3
3022	25.7 - 26.3	0.6	128	1.8	126	45	3	167	0	311	70	14..
3023	26.3 - 27.3	1.0	41	0.9	57	21	3	47	0	144	60	22.0
3024	27.3 - 28.4	1.1	57	0.7	21	11	2	34	0	83	20	12.3
3025	28.4 - 28.7	0.3	59	1	87	20	0	24	0	70	30	16.9
3026	28.7 - 30.2	1.5	1394	3	117	119	0	78	0	147	25	2.2
3027	30.2 - 31.7	1.5	184	1.2	43	79	0	42	5	88	35	6.5
3028	31.7 - 33.2	1.5	22	0	7	27	0	33	0	141	40	0.0
3029	33.2 - 34.7	1.5	21	0	17	14	5	34	0	81	45	0.0
3030	34.7 - 36.2	1.5	9	0	7	20	3	34	0	85	10	0.0
3031	36.2 - 37.7	1.5	22	0	22	3	0	8	0	17	50	0.0
3032	37.7 - 39.2	1.5	21	0	34	3	2	10	0	35	20	0.0
3033	39.8 - 39.9	0.1	25	0	31	9	4	19	6	31	25	0.0
3034	39.2 - 40.7	1.5	27	0	30	26	2	19	0	56	30	0.0
3035	40.7 - 42.2	1.5	38	0	17	11	0	167	0	245	40	0.0
3036	42.2 - 43.7	1.5	30	3.8	29	38	0	868	12	981	105	126.7
3037	43.7 - 44.0	0.3	152	1.2	92	28	0	51	0	60	55	7.9
3038	44.0 - 45.5	1.5	63	0.5	75	28	0	47	0	86	290	7.9
3039	45.5 - 45.8	0.3	184	0.7	72	11	0	30	0	69	40	3.8
3040	45.8 - 47.1	1.3	88	0.6	35	31	0	34	0	92	60	6.8
3041	47.1 - 48.6	1.5	16	0	11	27	2	27	0	110	55	0.0
3042	48.6 - 50.1	1.5	15	0	20	14	2	32	0	81	30	0.0
3043	50.1 - 51.6	1.5	9	0	14	5	1	43	0	116	20	0.0
3044	51.6 - 53.1	1.5	13	0	9	16	4	54	9	154	45	0.0
3045	53.1 - 54.0	0.9	15	0	29	16	2	33	0	133	50	0.0
3046	54.0 - 55.5	1.5	16	0	11	17	3	49	0	199	85	0.0
3047	55.5 - 57.0	1.5	10	0	15	14	4	38	0	134	65	0.0
3048	57.0 - 58.5	1.5	11	0	16	6	2	48	0	91	40	0.0
3049	58.5 - 60.0	1.5	11	0	17	12	0	38	0	109	60	0.0
3050	60.0 - 61.6	1.6	17	0	11	51	1	35	6	190	95	0.0
3051	61.6 - 62.8	1.2	17	0.9	14	14	2	110	0	276	50	52.9
3052	62.8 - 64.3	1.5	9	0	13	8	4	54	0	147	110	0.0
3053	64.3 - 65.8	1.5	9	0	15	7	3	44	0	150	120	0.0
3054	65.8 - 67.3	1.5	277	0	39	39	2	34	0	89	85	0.0

DRILLHOLE 88-03

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
3055	67.3 - 69.2	1.9	12	0	20	22	2	23	0	131	120	0.0
3056	69.2 - 70.7	1.5	14	0	17	22	3	26	0	114	70	0.0
3057	70.7 - 72.2	1.5	10	0	6	10	0	51	0	97	35	0.0
3058	72.2 - 73.7	1.5	10	0	12	7	0	25	5	93	40	0.0
3059	73.7 - 75.2	1.5	12	0	10	5	0	22	0	79	20	0.0
3060	75.2 - 76.8	1.6	9	0	12	4	0	34	6	72	20	0.0
3061	76.8 - 78.3	1.5	11	0.6	16	3	2	54	0	87	20	54.5
3062	78.3 - 79.8	1.5	18	0	21	2	2	26	0	81	100	0.0
3063	79.8 - 81.4	1.6	8	0	24	3	0	37	6	70	20	0.0
3064	81.4 - 82.7	1.3	8	0	13	4	0	8	0	84	30	0.0
3065	82.7 - 83.3	0.6	14	0	19	11	0	21	0	95	105	0.0
3066	83.3 - 84.9	1.6	8	0	15	45	0	20	0	89	110	0.0
3067	84.9 - 86.4	1.5	10	0.5	14	6	0	46	6	104	115	50.0
3068	86.4 - 87.9	1.5	8	0	0	17	0	12	0	78	70	0.0
3069	87.9 - 89.4	1.5	10	0	22	10	1	42	6	94	105	0.0
3070	89.4 - 90.9	1.5	12	0	21	9	2	33	0	72	60	0.0
3071	90.9 - 92.4	1.5	14	0	6	5	0	11	0	88	65	0.0
3072	92.4 - 93.9	1.5	21	0	13	18	1	14	0	67	15	0.0
3073	93.9 - 95.4	1.5	11	0	0	11	2	20	0	92	10	0.0
3074	95.4 - 96.9	1.5	15	1	18	17	2	36	0	103	10	66.7
3075	96.9 - 98.4	1.5	8	0	12	7	1	11	0	87	10	0.0
3076	98.4 - 100.0	1.6	9	0	13	5	0	13	0	78	20	0.0
3077	100.0 - 101.5	1.5	11	0	13	14	0	22	0	77	70	0.0
3078	101.5 - 103.0	1.5	15	0	27	7	2	37	0	156	15	0.0
3079	103.0 - 104.5	1.5	10	0	18	10	2	40	0	104	25	0.0
3080	104.5 - 106.0	1.5	12	0	24	26	2	33	0	127	50	0.0
3081	106.0 - 107.5	1.5	10	0	16	14	3	28	0	146	75	0.0
3082	107.5 - 109.0	1.5	10	0	53	3	2	24	0	114	60	0.0
3083	109.0 - 110.3	1.3	7	0	11	36	1	14	0	130	110	0.0
	MIN		7	0	0	2	0	8	0	17	10	0
	MAX		1394	3.8	134	119	22	868	12	981	290	127
	STD		155.36	0.69	25.79	20.68	2.96	103.67	3.10	112.48	41.33	18.92

DRILLHOLE D4 88-04

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
4001	3.2 - 4.7	1.5	2560	2.1	34	974	0	75	11	198	50	0.8
4002	4.7 - 6.2	1.5	122	0	36	29	3	30	6	185	20	0.0
4003	6.2 - 7.7	1.5	45	0	21	79	3	23	0	132	55	0.0
4004	7.7 - 9.2	1.5	49	0	23	110	4	21	7	176	155	0.0
4005	9.2 - 10.7	1.5	16	0	6	16	4	57	5	238	40	0.0
4006	10.7 - 12.2	1.5	14	0	21	17	2	65	0	172	25	0.0
4007	12.2 - 13.8	1.6	10	0	22	8	3	50	0	133	20	0.0
4008	13.8 - 15.3	1.5	31	0	20	11	3	48	0	100	30	0.0
4009	15.3 - 16.8	1.5	16	0	13	12	2	40	7	174	20	0.0
4010	16.8 - 18.3	1.5	11	0	6	7	0	64	5	104	10	0.0
4011	18.3 - 19.8	1.5	11	0	13	6	2	58	0	104	10	0.0
4012	19.8 - 21.3	1.5	10	0	14	5	0	98	0	160	20	0.0
4013	21.3 - 22.8	1.5	9	0	10	5	1	72	0	166	20	0.0
4014	22.8 - 24.3	1.5	14	0	19	6	2	79	0	192	15	0.0
4015	24.3 - 25.9	1.6	9	0	11	6	3	60	0	96	20	0.0
4016	25.9 - 27.5	1.6	6	0	16	10	5	35	7	102	20	0.0
4017	27.5 - 29.0	1.5	8	0	0	11	0	61	0	112	20	0.0
4018	29.0 - 30.5	1.5	10	0	14	27	1	55	7	82	20	0.0
4019	30.5 - 32.0	1.5	9	0	14	11	1	62	0	151	20	0.0
4020	32.0 - 33.5	1.5	12	0	16	13	2	75	0	362	40	0.0
4021	33.5 - 35.0	1.5	26	0	25	15	3	25	6	113	50	0.0
4022	35.0 - 36.5	1.5	13	0	13	6	3	78	5	174	40	0.0
4023	36.5 - 38.0	1.5	13	0.7	16	5	12	121	0	661	105	53.8
4024	38.0 - 39.5	1.5	7	0	13	6	3	33	0	169	25	0.0
4025	39.5 - 41.0	1.5	9	0	0	13	2	65	0	210	30	0.0
4026	41.0 - 42.5	1.5	10	0	19	6	0	59	6	183	20	0.0
4027	42.5 - 44.1	1.6	9	0	17	10	0	59	0	219	30	0.0
4028	44.1 - 45.6	1.5	8	0	5	6	1	25	0	78	25	0.0
4029	45.6 - 46.5	0.9	26	0	14	114	0	17	0	57	30	0.0
4030	46.5 - 48.0	1.5	7	0	9	27	0	20	0	136	20	0.0
4031	48.0 - 49.6	1.6	11	0	11	14	39	56	0	154	25	0.0
4032	49.6 - 51.1	1.5	25	0	0	7	2	36	0	158	20	0.0
4033	51.1 - 52.6	1.5	12	0	10	5	1	45	0	146	20	0.0
4034	52.6 - 54.1	1.5	10	0	16	8	2	47	6	141	30	0.0
4035	54.1 - 55.6	1.5	31	0	18	34	0	33	0	109	25	0.0
4036	55.6 - 57.1	1.5	10	0	11	5	2	49	5	141	30	0.0
4037	57.1 - 58.6	1.5	11	0	30	15	2	68	0	165	50	0.0
4038	58.6 - 60.1	1.5	30	0	44	5	2	78	6	250	60	0.0
4039	60.1 - 61.6	1.5	13	0	33	3	0	93	0	117	30	0.0
4040	61.6 - 62.9	1.3	33	0	29	50	2	33	0	65	30	0.0
4041	62.9 - 64.4	1.5	17	0	13	11	1	68	0	133	30	0.0
4042	64.4 - 65.9	1.5	20	0	14	18	1	50	0	158	30	0.0
4043	65.9 - 67.5	1.6	17	0	17	22	0	39	5	114	20	0.0
4044	67.5 - 69.0	1.5	12	0	14	22	0	7	0	95	30	0.0
4045	69.0 - 70.5	1.5	16	0	11	23	0	47	0	117	20	0.0
4046	70.5 - 72.0	1.5	10	0	10	6	0	119	0	287	30	0.0
4047	72.0 - 73.6	1.6	21	0	16	9	0	26	0	118	15	0.0
4048	73.6 - 75.1	1.5	12	0	9	13	0	83	0	193	40	0.0
4049	75.1 - 76.6	1.5	13	0	10	22	1	25	0	140	50	0.0
4050	76.6 - 78.1	1.5	21	0	24	24	2	43	0	182	110	0.0
4051	78.1 - 79.6	1.5	10	0	0	13	3	30	5	159	120	0.0
4052	79.6 - 81.1	1.5	13	0	7	18	3	38	0	131	25	0.0
4053	81.1 - 82.5	1.4	13	0	7	10	2	17	0	98	30	0.0
4054	82.5 - 84.0	1.5	18	0	20	10	0	19	0	82	80	0.0

DRILLHOLE D4 88-04

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
4056	84.0 - 85.5	1.5	35	0	23	24	0	22	0	80	160	0.0
4057	85.5 - 87.0	1.5	10	0	17	26	2	27	0	71	90	0.0
4058	87.0 - 88.5	1.5	6	1.2	39	33	3	174	11	352	160	200.0
4059	88.5 - 90.0	1.5	24	0	33	33	1	173	6	339	30	0.0
4060	90.0 - 91.4	1.4	10	0	15	17	0	107	0	222	30	0.0
4055	90.7 - 90.8	0.1	98	0.8	129	21	0	41	0	49	70	8.2
	MIN		6	0	0	3	0	7	0	57	10	0
	MAX		2560	2.1	44	974	39	174	11	661	160	200
	STD		528.58	0.32	9.46	125.14	5.17	33.80	3.12	92.45	35.63	26.62

DRILLHOLE 88-05

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppm)	Ag/Au
5001	3.7 - 3.6	2.4	156	0	45	116	3	56	9	83	0	0.0
5002	6.1 - 7.6	1.5	82	0.7	25	107	1	41	8	74	10	8.5
5003	7.6 - 9.1	1.5	35	0.9	15	36	3	94	0	196	10	25.7
5004	9.1 - 10.6	1.5	18	0	10	12	4	40	0	76	20	0.0
5005	10.6 - 12.1	1.5	29	0	20	16	0	78	0	389	30	0.0
5006	12.1 - 13.6	1.5	87	0.9	14	22	0	95	0	406	20	10.3
5007	13.6 - 15.1	1.5	37	0	12	12	1	75	0	141	15	0.0
5008	15.1 - 16.6	1.5	203	2.6	86	26	5	127	0	186	15	12.8
5009	16.6 - 18.1	1.5	29	0	6	13	3	86	0	130	10	0.0
5010	18.1 - 19.6	1.5	41	0	9	98	2	26	6	80	10	0.0
5011	19.6 - 21.1	1.5	26	0	0	16	4	54	0	149	10	0.0
5012	21.1 - 22.2	1.1	20	0	5	12	2	61	0	298	30	0.0
5013	22.2 - 23.3	1.1	32	0	9	10	0	80	8	253	25	0.0
5014	23.3 - 24.8	1.5	17	0	4	13	4	53	0	250	15	0.0
5015	24.8 - 26.1	1.5	16	0	29	19	2	64	0	209	10	0.0
5016	26.1 - 27.4	1.3	13	0	17	12	0	51	0	274	10	0.0
5017	27.4 - 28.7	1.3	11	0	16	15	3	59	0	292	15	0.0
5018	28.7 - 30.0	1.3	19	0	30	58	1	85	0	265	15	0.0
5019	30.0 - 31.4	1.4	28	0	25	45	1	94	0	235	20	0.0
5020	31.4 - 32.9	1.5	173	3.5	31	55	6	153	0	478	20	20.2
5021	32.9 - 34.4	1.5	19	0	15	15	2	47	7	125	10	0.0
5022	34.4 - 35.9	1.5	14	0	6	12	2	35	0	92	15	0.0
5023	35.9 - 37.4	1.5	23	0	0	22	1	34	0	78	15	0.0
5024	37.4 - 38.9	1.5	128	0	21	104	0	37	0	114	10	0.0
5025	38.9 - 40.4	1.5	191	1.8	51	566	1	72	0	671	30	9.4
5026	40.4 - 41.9	1.5	40	0.6	18	71	0	52	0	207	20	15.0
5027	41.9 - 43.4	1.5	61	0.9	19	89	2	53	0	82	10	14.8
5028	43.4 - 44.9	1.5	164	0.6	17	61	16	34	0	173	40	3.7
5029	44.9 - 46.1	1.2	272	0.9	35	105	0	59	0	120	20	3.3
5030	46.1 - 47.6	1.5	66	0	21	55	2	46	0	199	20	0.0
5031	47.6 - 49.1	1.5	46	0	16	28	3	6	0	150	20	0.0
5032	49.1 - 50.6	1.5	23	0	12	80	2	45	0	269	20	0.0
5033	50.6 - 52.3	1.7	30	0.6	16	53	0	57	0	131	20	20.0
5034	52.3 - 53.3	1.0	27	0.7	13	55	1	44	0	119	15	25.9
5035	53.3 - 54.3	1.0	32	0	0	44	0	30	0	95	20	0.0
5036	54.3 - 55.5	1.2	28	0	11	78	0	34	5	143	10	0.0
5037	55.5 - 56.4	0.9	46	0	15	374	2	0	0	117	20	0.0
5038	56.4 - 58.0	1.6	15	0	9	21	3	40	5	99	10	0.0
5039	58.0 - 59.5	1.5	17	0	8	14	2	84	0	259	30	0.0
5040	59.5 - 60.7	1.2	16	0	0	15	3	16	0	61	15	0.0
5041	60.7 - 61.9	1.2	9	0	9	8	3	0	0	39	15	0.0
5042	61.9 - 63.4	1.5	18	0	12	9	0	22	0	105	20	0.0
5043	63.4 - 64.9	1.5	25	0	25	11	0	56	0	110	30	0.0
5044	64.9 - 66.4	1.5	26	0	10	8	0	40	6	198	25	0.0
5045	66.4 - 67.9	1.5	26	0	6	22	2	91	7	601	45	0.0
5046	67.9 - 69.4	1.5	27	0	6	28	2	53	0	198	30	0.0
5047	69.4 - 70.9	1.5	34	0	12	14	1	53	0	203	30	0.0
5048	70.9 - 72.4	1.5	29	0	14	29	2	85	0	425	30	0.0
5049	72.4 - 73.9	1.5	33	0	20	24	2	50	0	252	20	0.0
5050	73.9 - 75.4	1.5	58	0	9	13	2	44	0	103	10	0.0
5051	75.4 - 76.9	1.5	385	0	29	234	3	13	0	98	10	0.0
5052	76.9 - 78.4	1.5	666	2.2	48	551	4	67	0	163	30	3.3
5053	78.4 - 79.9	1.5	86	0	14	79	3	69	0	170	20	0.0
5054	79.9 - 81.4	1.5	85	1.4	10	94	0	75	0	280	20	16.5

DRILLHOLE 88-05

Sample ID	Assay interv. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
5055	81.4 - 82.9	1.5	54	1.2	31	35	2	78	0	238	30	22.2
5056	82.9 - 83.8	0.9	25	1.1	17	33	0	43	7	123	10	44.0
5057	83.8 - 85.3	1.5	10	0.9	19	22	0	24	0	93	10	90.0
5058	85.3 - 86.8	1.5	10	0.8	15	21	3	12	0	68	10	80.0
5059	86.8 - 88.2	1.4	9	0.7	8	13	3	16	0	90	5	77.8
5060	88.2 - 89.1	0.9	77	0.8	6	61	2	41	7	149	30	10.4
5061	89.1 - 90.6	1.5	23	1.2	14	23	0	53	0	172	20	52.2
5062	90.6 - 92.1	1.5	9	1.1	7	29	0	19	0	65	10	122.2
5063	92.1 - 93.6	1.5	44	2.7	0	46	0	47	12	129	30	61.4
5064	93.6 - 94.5	0.9	20	1.1	0	40	0	27	0	71	10	55.0
	MIN		9	0	0	8	0	0	0	39	0	0
	MAX		666	3.5	86	374	16	153	12	671	45	122
	STD		101.45	0.76	13.46	78.09	1.30	28.87	3.08	123.87	8.62	25.23

DRILLHOLE 88-06

Sample ID	Assay inter. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
6001	1.9 - 3.6	1.5	15	1.1	0	19	1	67	0	213	20	73.3
6002	3.4 - 4.9	1.5	10	0.8	0	25	0	43	14	135	15	80.0
6003	4.9 - 6.4	1.5	15	0	17	52	3	25	0	109	10	0.0
6004	6.4 - 7.9	1.5	13	1	22	10	3	39	0	179	20	76.9
6005	7.9 - 9.4	1.5	9	1.3	0	9	1	48	10	281	40	144.4
6006	9.4 - 10.9	1.5	6	0.6	18	13	1	59	0	212	20	100.0
6007	10.9 - 12.5	1.6	5	0.6	13	9	1	34	6	170	30	120.0
6008	12.5 - 14.1	1.6	13	1	9	9	1	55	0	194	20	76.9
6009	14.1 - 15.6	1.5	0	0.6	0	8	1	14	0	107	5	0.0
6010	15.6 - 17.1	1.5	10	0.6	8	12	0	14	0	80	10	60.0
6011	17.1 - 18.6	1.5	11	0.6	14	17	1	42	6	119	10	54.5
6012	18.6 - 19.9	1.3	16	0.6	13	9	0	30	6	181	10	37.5
6013	19.9 - 21.4	1.5	6	0.7	7	23	0	64	0	245	5	116.7
6014	21.4 - 22.5	1.1	5	1	15	16	0	86	0	338	15	200.0
6015	22.5 - 24.0	1.5	8	1	8	18	1	100	11	372	20	125.0
6016	24.0 - 25.5	1.5	0	0.7	27	20	2	83	7	283	15	0.0
6017	25.5 - 27.0	1.5	0	0.7	8	48	0	45	0	229	20	0.0
6018	27.0 - 28.5	1.5	11	1.1	7	22	0	83	8	164	15	100.0
6019	28.5 - 30.0	1.5	15	0.6	20	28	0	18	8	83	15	40.0
6020	30.0 - 31.5	1.5	0	0.5	0	36	0	6	12	76	20	0.0
6021	31.5 - 33.0	1.5	7	0	11	7	1	7	14	76	20	0.0
6022	33.0 - 34.5	1.5	124	2	109	50	2	127	5	507	30	16.1
6023	34.5 - 36.0	1.5	7	0.6	17	18	0	6	0	84	20	85.7
6024	36.0 - 37.5	1.5	0	0	0	21	0	8	6	80	20	0.0
6025	37.5 - 39.0	1.5	9	0.5	15	21	0	14	10	92	10	55.6
6026	39.0 - 40.5	1.5	10	0.7	16	89	0	69	0	248	20	70.0
6027	40.5 - 42.0	1.5	15	1.1	20	41	1	88	0	252	35	73.3
6028	42.0 - 43.5	1.5	14	1.2	0	27	2	53	8	176	20	85.7
6029	43.5 - 45.0	1.5	8	0.8	0	15	0	23	5	99	10	100.0
6030	45.0 - 46.5	1.5	7	0.6	0	8	0	19	0	112	20	85.7
6031	46.5 - 48.0	1.5	14	1.4	0	19	0	104	10	205	20	100.0
6032	48.0 - 49.5	1.5	56	3.1	8	86	4	58	9	92	5	55.4
6033	49.5 - 51.0	1.5	47	2.1	60	55	9	54	0	58	10	44.7
6034	51.0 - 52.5	1.5	25	1.1	17	33	4	102	0	185	10	44.0
6035	52.5 - 54.0	1.5	16	0.6	0	24	0	73	0	199	10	37.5
6036	54.0 - 55.5	1.5	8	0.5	14	52	0	17	7	119	20	62.5
6037	55.5 - 56.4	0.9	0	0	9	24	0	14	0	122	15	0.0
6038	56.4 - 57.0	0.6	17	0.6	9	33	0	13	0	132	20	35.3
6039	57.0 - 58.5	1.5	66	0	15	10	0	11	0	107	90	0.0
6040	58.5 - 60.0	1.5	28	1.6	25	46	0	112	10	225	100	57.1
6041	60.0 - 60.4	0.4	0	0	7	6	0	13	0	96	195	0.0
6042	60.4 - 61.9	1.5	10	0	0	8	0	17	0	114	150	0.0
6043	61.9 - 63.4	1.5	5	0.7	12	24	0	52	0	130	50	140.0
6044	63.4 - 64.9	1.5	27	0.9	19	15	1	71	0	205	80	33.3
6045	64.9 - 66.4	1.5	0	0	0	8	0	8	8	134	5	0.0
6046	66.4 - 67.9	1.5	0	0	0	11	0	30	11	224	20	0.0
6047	67.9 - 69.4	1.5	7	0.7	18	37	0	47	0	190	30	100.0
6060	67.9 - 68.0	0.1	10	1.3	0	20	1	108	9	346	30	130.0
6048	69.4 - 70.9	1.5	5	0	0	19	0	21	0	201	30	0.0
6049	70.9 - 72.4	1.5	8	0.6	5	18	0	42	0	215	15	75.0
6050	72.4 - 73.9	1.5	7	0	0	9	0	9	0	143	20	0.0
6051	73.9 - 75.4	1.5	6	0	23	8	0	11	8	170	50	0.0
6052	75.4 - 76.9	1.5	6	0	16	12	0	9	0	138	40	0.0
6053	76.9 - 78.4	1.5	7	0.9	0	63	3	21	0	130	50	128.6

DRILLHOLE 88-06

Sample ID	Assay inter. (m)	Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
6054	78.4 - 79.9	1.5	85	4.6	19	28	2	58	0	311	60	54.1
6055	79.9 - 81.4	1.5	31	0.9	7	21	0	19	9	166	20	29.0
6056	81.4 - 83.8	2.4	11	0.6	0	24	0	10	0	117	15	54.5
	MIN		0	0	0	6	0	6	0	58	5	0
	MAX		124	4.6	109	89	9	127	14	507	195	200
	STD		21.50	0.77	16.62	18.32	1.52	32.58	4.60	85.62	33.70	48.06

DRILLHOLE 88-07

Sample ID	Assay interv. (m)			Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppm)	Ag/Au
7001	1.9	-	3.6	1.5	5	0	0	20	0	20	0	166	130	0.0
7002	3.4	-	4.8	1.4	21	2.7	145	67	2	133	8	721	280	128.6
7003	4.8	-	6.3	1.5	260	18.2	647	347	9	923	30	4900	590	70.0
7004	6.3	-	7.8	1.5	62	3.2	86	83	10	151	18	361	65	51.6
7005	7.8	-	9.2	1.4	17	1.1	35	35	9	49	0	189	60	64.7
7006	9.2	-	10.6	1.4	20	2.2	52	31	10	889	0	185	130	110.0
7007	10.6	-	12.0	1.4	93	8.3	274	143	8	721	17	2206	250	89.2
7008	11.0	-	12.6	0.6	174	11.2	622	297	20	723	24	4439	380	64.4
7009	12.6	-	14.1	1.5	11	0.9	25	25	3	49	7	295	165	81.8
7010	14.1	-	15.6	1.5	10	0.7	23	24	2	28	0	143	165	70.0
7011	15.6	-	17.1	1.5	0	0	14	16	2	10	0	112	220	0.0
7012	17.1	-	18.6	1.5	10	0	0	20	6	12	0	117	40	0.0
7013	18.6	-	20.1	1.5	8	0	9	34	6	15	0	120	130	0.0
7014	20.1	-	21.9	1.8	0	0.8	22	16	5	14	0	125	260	0.0
7015	21.9	-	22.2	0.3	12	0.8	0	25	4	17	3	96	170	66.7
7016	22.2	-	22.8	0.6	15	2.7	40	36	3	36	9	199	40	180.0
7017	22.8	-	24.3	1.5	5	1.6	11	12	6	15	0	169	25	320.0
7018	24.3	-	26.0	1.7	7	1.1	0	32	5	9	5	136	20	157.1
7019	26.0	-	27.3	1.3	54	1.3	0	7	5	22	0	147	15	24.1
7020	27.3	-	28.7	1.4	16	1	33	2	1	14	0	146	30	62.5
7021	28.7	-	29.8	1.1	9	0.6	63	0	0	0	0	141	60	66.7
7022	29.8	-	30.9	1.1	0	1.1	23	4	4	10	0	131	25	0.0
7023	30.9	-	32.1	1.2	0	0.8	0	8	4	11	0	113	25	0.0
7024	32.1	-	33.6	1.5	6	1.1	14	0	16	11	0	157	25	183.3
7025	33.6	-	33.9	0.3	0	1.1	0	11	10	12	0	158	15	0.0
7026	33.9	-	35.4	1.5	154	1.2	4	15	8	12	0	182	10	7.8
7027	35.4	-	36.9	1.5	0	0.6	11	0	1	6	0	120	15	0.0
7028	36.9	-	38.4	1.5	0	0	0	0	4	0	0	98	200	0.0
7029	38.4	-	39.9	1.5	5	0	7	0	0	5	0	100	135	0.0
7030	39.9	-	40.8	0.9	0	0.6	0	0	1	5	0	111	140	0.0
7031	40.8	-	41.8	1.0	0	0.6	0	2	2	5	0	142	170	0.0
7032	41.8	-	42.8	1.0	10	0.7	21	0	2	8	0	58	80	70.0
7033	42.8	-	43.8	1.0	8	0.8	5	8	3	13	0	124	40	100.0
7034	43.8	-	44.8	1.0	39	0.9	0	0	3	15	0	135	35	23.1
7035	44.8	-	46.3	1.5	12	1.4	38	15	8	45	0	166	40	116.7
7036	46.3	-	47.5	1.2	15	1.1	0	32	1	110	0	164	30	73.3
7037	47.5	-	48.7	1.2	6	1.3	0	99	0	98	0	142	20	216.7
7038	48.7	-	50.2	1.5	0	0.7	0	9	0	41	0	176	0	0.0
7039	50.2	-	51.7	1.5	0	0	0	0	0	9	0	186	0	0.0
7040	51.7	-	53.2	1.5	0	0	0	1	0	7	0	214	0	0.0
7041	53.2	-	54.7	1.5	0	0.5	0	5	5	76	0	205	10	0.0
7042	54.7	-	56.2	1.5	0	0	0	43	4	34	0	197	5	0.0
7043	56.2	-	57.7	1.5	61	0.8	0	19	0	70	0	267	15	13.1
7044	57.7	-	59.2	1.5	0	0	0	14	2	17	0	268	0	0.0
7045	59.2	-	60.7	1.5	0	0	11	0	0	6	0	217	0	0.0
7046	60.7	-	61.9	1.2	0	0.7	0	12	0	30	0	296	0	0.0
7047	61.9	-	63.1	1.2	0	1	7	10	8	97	0	340	10	0.0
7048	63.1	-	64.6	1.5	8	1.2	20	23	5	91	0	301	20	150.0
7049	64.6	-	66.1	1.5	0	0	0	0	0	12	0	116	25	0.0
7050	66.1	-	67.6	1.5	0	0	0	8	0	19	0	98	30	0.0
7051	67.6	-	69.1	1.5	0	0	13	13	0	20	0	119	0	0.0
7052	69.1	-	70.6	1.5	0	0	0	9	31	12	5	67	5	0.0
7053	70.6	-	72.1	1.5	36	1.1	39	22	5	314	8	851	50	30.6
7054	72.1	-	73.6	1.5	0	0.5	11	14	1	10	0	106	60	0.0

DRILLHOLE 88-07

Sample ID	Assay interv. (m)			Sum Ass. int.	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppb)	Ag/Au
7055	73.6	-	74.5	0.9	0	0	21	8	1	7	0	92	60	0.0
7056	74.5	-	76.0	1.5	0	0	0	0	0	7	0	89	45	0.0
7057	76.0	-	77.5	1.5	9	0.5	19	19	2	12	0	117	20	55.6
7058	77.5	-	79.0	1.5	9	0.5	23	0	8	33	9	109	20	55.6
7059	79.0	-	80.5	1.5	0	0	13	5	4	11	0	73	95	0.0
7060	80.5	-	8..0	1.5	0	0	23	7	2	10	0	73	65	0.0
7061	82.0	-	83.5	1.5	0	0	0	11	4	8	10	61	170	0.0
7062	83.5	-	85.0	1.5	0	0	15	0	1	8	0	53	155	0.0
7063	85.0	-	85.3	0.3	0	0	4	0	0	10	0	54	40	0.0
7064	85.3	-	85.6	0.3	-	0.7	17	6	0	38	0	215	30	100.0
7065	85.6	-	87.1	1.5	.58	4.2	75	17	4	855	12	1374	155	25.0
7066	87.1	-	87.4	0.3	11	1.3	13	28	0	127	12	558	40	118.2
7067	87.4	-	87.7	0.3	9	0.8	17	18	0	36	0	383	40	88.9
7068	87.7	-	89.2	1.5	6	0	10	11	0	12	6	177	155	0.0
7069	89.2	-	90.7	1.5	0	0	8	17	0	11	0	123	90	0.0
7070	90.7	-	92.2	1.5	0	0	8	16	0	8	0	97	0	0.0
7071	92.2	-	93.7	1.5	0	0	0	11	0	9	0	87	40	0.0
7072	93.7	-	95.2	1.5	0	0	0	9	0	6	0	88	15	0.0
7073	95.2	-	96.7	1.5	114	3.6	38	14	0	31	9	115	45	2.7
7074	96.7	-	98.2	1.5	5	0	8	7	0	13	0	59	75	0.0
7075	98.2	-	99.7	1.5	0	0	0	5	0	6	0	74	135	0.0
7076	99.7	-	101.2	1.5	29	0.6	42	86	0	73	7	265	45	21.5
		MIN			0	0	0	0	0	0	0	53	0	0
		MAX			260	28.2	647	347	21	913	30	4900	590	320
		STD			50.36	2.53	105.47	50.87	3.00	203.21	5.76	773.13	97.33	61.91

A P P E N D I X VII

Geochemical analytical technique

Bondar-Clegg & Company Ltd.
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North Vancouver, B C
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BONDAR-CLEGG

Geochemical Lab Report

REFERENCE INFO:

CLIENT: KLONDIKE GOLD MINING CORP.
PROJECT: NONE GIVEN

SUBMITTED BY: U. GLASMACHER
DATE PRINTED: 18-OCT-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 30g	Gold 30 grams	124	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	124	0.5 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
3	As	Arsenic	124	5 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
4	Cu	Copper	124	1 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
5	Mo	Molybdenum	124	1 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
6	Pb	Lead	124	5 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
7	Sb	Antimony	124	5 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
8	Zn	Zinc	124	1 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
9	Hg	Mercury	124	5 PPB	HNO3-HCl HOT EXTR	Cold Vapour AA

SAMPLE TYPES		NUMBER	SIZE FRACTIONS		NUMBER	SAMPLE PREPARATIONS	NUMBER
D	DRILL CORE	124	7	-150	124	CRUSH,PULVERIZE -150	124
						FAX CHARGE	1

APPENDIX VIII – STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Ulrich Glasmacher, geologist, with business address in Aachen, Federal Republic of Germany, do hereby declare:

1. I graduated at the Technical University Aachen in 1985 with a Diploma degree in Geological Sciences. Emphasis was given to economic geology (mineral deposits - placer and ore deposits).

2. Currently I am enrolled in a Ph.D. program majoring in Economic Geology (Volcanogenetic Gold-Silver deposits) and employed at the Geological Insitute (RWTH Aachen).

3. From 1983 to the present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory.

4. I am a member of the Professional Association of German Geologists (BDG, Bonn) and thereby associated to the European Federation of Geologist (EFG/FEG).

5. Since 1985 I am a member of the British Columbia & Yukon Chamber of Mines (Vancouver) and of the Association of Geoscientists for International Development (Bangkok).

U. Glasmacher

(Dipl.-Geol. Ulrich Glasmacher)