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Core drilling at Gjedde Lake and regional structural geological investigations in Pasvik, North Norway.

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REPORT

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Title:

Core drilling at Gjedde Lake and regional structural geological investigations in Pasvik, North Norway.

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Summary:

The report gives a preliminary assessment of the core drilling carried out on the Gjedde Lake gold mineralization during the summer 1996. 12 holes with a total length of 600m was drilled. The core drilling revealed that the outcrops of auriferous grunerite quartzite (BBQ) at the discovery point actually represent ice-transported blocks. This is also the case for other previously registered outcrops in the Gjedde Lake area. The source of the auriferous blocks was located, 25m to the southeast, below 2-6m of till.

Gold-bearing BBQ was first intersected in the second drillhole (DDH 2) and was subsequently also found in DDH 3, 6, 7, 9, 10 and 11. It defines an isoclinal fold which is overturned towards the west and plunging south , 188°/40°. The thickness of the BBQ along the limbs is about 1.0 m and increases to about 5.0 m in the hinge zone where it is cut by abundant arsenopyrite-quartz veins also extending into the wall rocks. The contact of the BBQ is highly strained and it contains up to 15 g/t Au in DDH 2 where Fe-sulphides are enriched as 1-2 cm wide bands.

The BBQ is surrounded by retrograded and strongly sheared mafic schists, i. e. hornblende-biotite-chlorite schists with abundant generations of carbonate-quartz veins and schlieren. The mafic schists or mylonites strike E-W and dip about 40° south. They represent pervasively altered and sheared fine-grained amphibolites which can be found as narrow, chlorite-altered zones, locally with garnet. They normally contain dissemination of pyrrhotite, pyrite and minor chalcopyrite rarely exceeding 1 % in volum. Rich pyrrhotite mineralization is also locally present in a graphite schist unit occurring about 20 m structurally below the lower limb of the BBQ. The mafic schists and the BBQ-zone are part of a regional thrust or shear zone which evolved during up-thrusting of the Archean gneisses to the west and south. It can be tentatively followed from the South Pechenga Block in Russia via Pasvik and northwestwards to Polmak and Tana River. It represents, therefore, an important 1. order structure which acted as a conduit for large scale fluid migration through the crust. This further suggests the possible existence of other gold mineralization along 2. and 3. order structures adjacent to it which are typically encountered in auriferous greenstone belts on a global scale. Further follow-up is, therefore, recommended, including top-soil and till geochemical surveys.

Keywords: Malmgeologi	Gull	Kjerneboring
Strukturgeologi		
		Fagrapport

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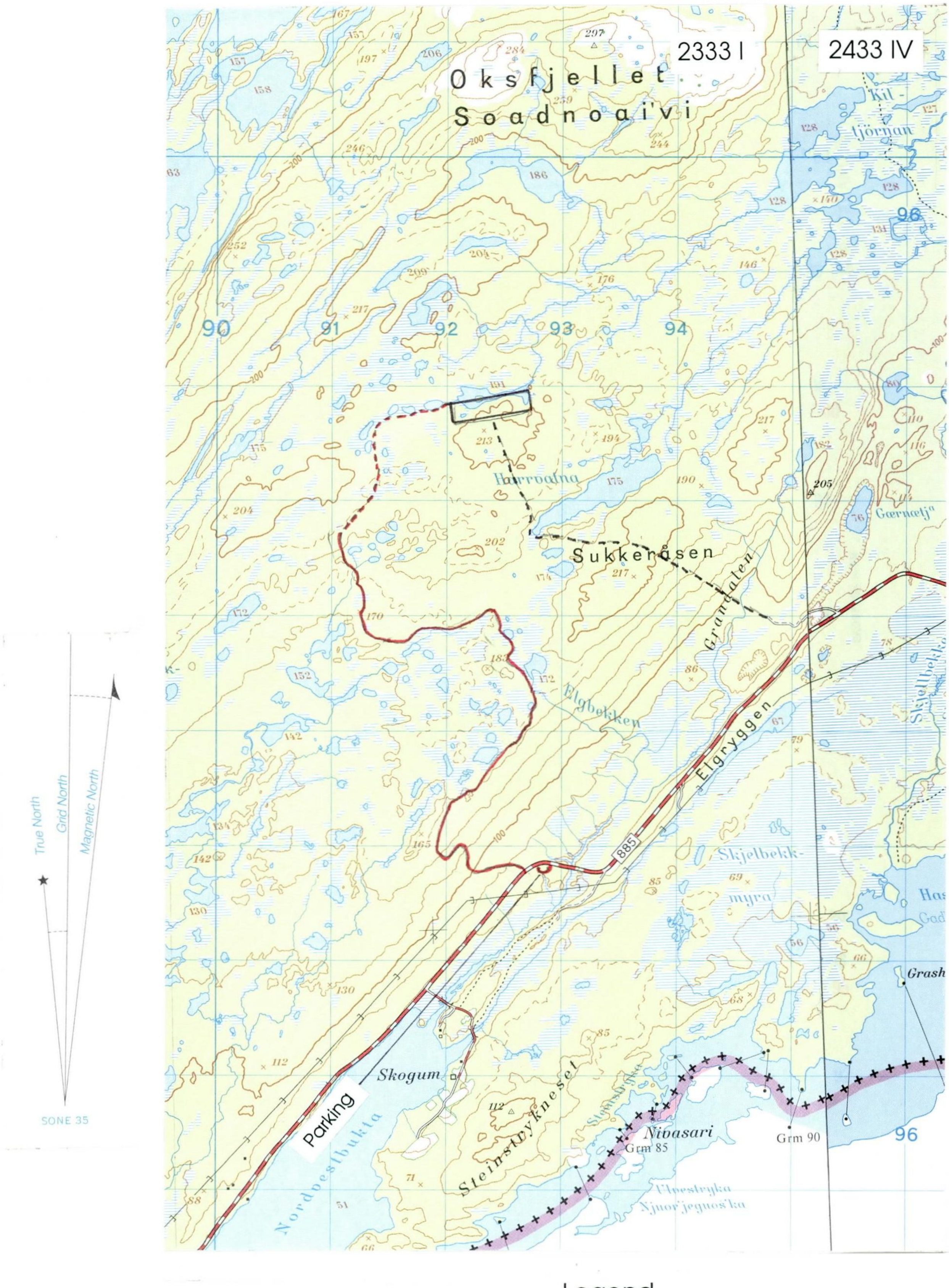

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Legend

- Figure 2 and 4
- Track for drilling equipment
- Walking route

Fig. 1. Topographic map showing the location of Gjedde Lake (191 m.a.s.l.) and the Muskeg track leading from state road 885 in the Pasvik Valley.

1. Introduction

Core drilling was carried out at Gjedde Lake during the period 7th to 28th of August 1996. The objective of the drilling was to determine the subsurface extension of a gold-bearing quartzite which was discovered by NGU in 1993 in an area with sparse outcrops (Melezhik 1995). Secondly, to define structures and other lithologies which directly or indirectly could have controlled the gold deposition (see genetic models in Ettner 1995 and Melezhik 1995).

Diamantboring AS was contracted by NGU to do the drilling which was conducted by a Diamec 250 mounted on a Muskeg. Drill-hole dimension TT56 was considered to be the best choice for this type of reconnaissance or geological drilling. The drillers who lived in a tent near the drill site, worked both day and night shifts.

The drill site is situated on a plateau with low hills covered with birch trees and clusters of pines (Fig. 1). The area is characterized by the presence of numerous small lakes and swamps. The plateau terminates towards the Pasvik Valley which in this part of the valley has rather steep slopes leading from the plateau down to Pasvik River about 100m below. The ground on the plateau is in certain areas densely covered with large ice-transported boulders locally exceeding $100m^3$, which is a serious obstacle for the use of Muskeg and other types of vehicles.

NGU was asked by the organizers of the North-Norwegian Championship in Orienteering to choose a route for the Muskeg outside their area of interest, i.e. the area around Mount Sukkeråsen and Lake Harrvatn. Therefore, the Muskeg route takes off from state road 885 about 1350m north of the intersection with the dirt road leading to the farm Skogum at Nordvestbukta in Pasvik River. The distance to the drill site along the Muskeg track is 8.3km or about 1,5 hours walk. The shortest route to Gjedde Lake on foot (about 4km) starts at the gravel pit on Elgryggen Ridge near state road 885. A disused forestry road can be followed up to the top of Mount Sukkeråsen from where it is recommended to use compass on the walk to the western end of Lake Harrvatn and onwards to Gjedde Lake in the NNW.

The Muskeg tracks across the plateau and at the drill site was inspected by Bjarne Lieungh, a representative of the Directorate of Mines, on Wednesday the 14th of August. Although the tracks are clearly visible in the swampy areas in contrast to the dry pine covered ridges, he considered the damage to the vegetation as generally small and rather normal for this type of belt vehicle. However, the drillers was asked by NGU to cut down and remove any broken and damage trees from the track. In addition, they where ordered to clear the drill and camp sites for garbage and to cover or remove any oil spill around the drill-hole collars. Environment protection leader from Sør-Varanger commune, J. Kongsvik made an inspection tour to the area on 28th of August and found it in satisfactory condition except for some deep Muskeg tracks in the swampy areas.

Geologists from NGU were present during the following periods: Project leader M. Often, 4-10/8; drill site geologist P. M. Ihlen, 4-22/8 and structural geologist A. Braathen, 17-23/8. Representatives from KENOR AS, General director T. Kroepelien and member of the board T. Vrålstad visited the area in the period 7th to 9th of August when DDH 1 was drilled.

Reconnaissance core logging was carried out in the field in order to decide the position of the next drill holes. The exact azimuth and inclination of the drill-holes, except for DDH 1 and 4, have not been measured in the field after the drilling was finished and the ordered orientation of the other inclined holes is therefore used in the report. The cores were transported to NGU-Løkken where they arrived the 6th of September. Petrophysical measurements of the cores were done before the chosen segments of the cores were split for analysis (see Table 3).

2. The planned drilling program

A rough draft of a drilling program, totaling 400m was given by Ihlen (1995). The program was designed on the basis of information given in previous reports from the area (Ettner 1995; Lauritsen 1995,1996; Melezhik 1995) leading to the following assumptions:

--- The auriferous quartzite at the discovery point represents true outcrops or frost heaved blocks from an immediately underlying quartzite horizon exceeding 10m in thickness and dipping 40° south.

--- The auriferous quartzite is part of an approximately 100m thick sequence of graphite schists and magnetite-bearing quartzites appearing as rather continuous magnetic and electro-magnetic anomalies on the geophysical maps.

--- The gold mineralization was formed in response to sulfurization of magnetite in the quartzites and especially where they are intersected by faults such as strike-slip and transverse faults.

Ihlen (1995) concluded that the drilling should start at the discovery point and thereafter be stepped out at 100m intervals towards the east and west on the hanging-wall side of the auriferous quartzite. All the holes with the exception of DDH 2 should have the same azimuth and inclination, i.e. 356° and 50°, respectively. DDH 1 and DDH 2 should be drilled from the same position with DDH 1 as an inclined hole below the gold-rich outcrops. It should also intersect the underlying sequence of graphite schists and magnetite-quartzites which had potential for additional auriferous mineralization. DDH 2 was planned to be vertical and should at least be drilled through the auriferous quartzite intersected in DDH 1. Further extension of the hole would depend on the results from DDH 1. The extension of DDH 2 and the drilling program were to be discussed by representatives from KENOR AS before further progress.

3. The ultimate drilling program

Already during the drilling of DDH 1 it became evident from the drill cores that the assumptions used to design the drilling program was basically wrong and that a new approach was necessary. In the new program the direction of the drill-hole profiles were kept more or less unchanged, but the position of the individual holes should be determined according to the results from the

the position of the individual holes should be determined according to the results from the previously drilled holes. The resulting distribution of drill holes are depicted in Fig. 2 whereas their coordinates, length, azimuth and inclination are shown in Table 1. The NGU-coordinates refer to the grid from the geophysical surveys in 1995. The reasoning behind the different drill-hole positions is given below in the same order as the holes were drilled.

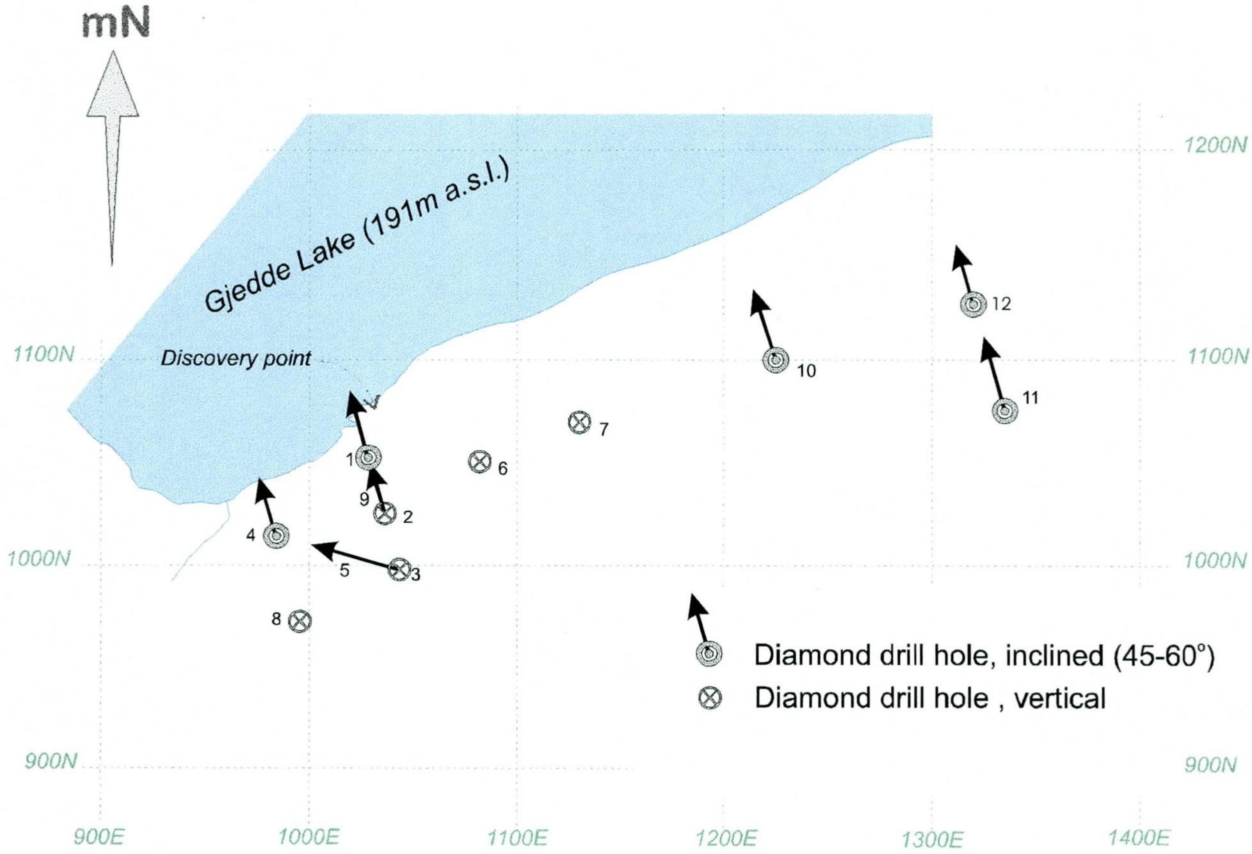


Fig. 2. Map showing the distribution of drill holes along the southern shore of Gjedde Lake. The inclined holes are drawn as horizontal projections. The grid lines are parallel to magnetic north.

Table 1. Technical data for the individual drillholes and the location of BBQ-zones and arsenopyrite veins. UTM-coordinate zone is 35 (WGS 84).

DDH NUMBER	LENGTH (meters)	AZIMUTH (360°)	INCLI NATION	NGU-COORDINATES East	NGU-COORDINATES North	UTM-COORD. (WGS) East	UTM-COORD. (WGS) North	TILL (meters)	BBQ (meters)	REMARKS
KN 1	40.20	3	51	1028	1053	592297	7697820	7.50	0.00	No BBQ intersection. Mt.-quartzite at depth.
KN 2	56.00		90	1036	1024	592303	7697790	2.00	6.30	BBQ at 26.00-32.30m.
KN 3	75.00		90	1043	997	592306	7697766	5.50	0.75/1.00	BBQ at 48.30-49.05m and 53.05-54.05m.
KN 4	49.60	354	58	984	1014	592244	7697793	7.50	0.00	Arsenopyrite veins/diss. at 26.35-30.10m.
KN 5	75.10	296	60	1044	996	592306	7697765	7.00	0.00	Arsenopyrite veins/diss. at 62.50-65.25m.
KN 6	31.00		90	1082	1050	592349	7697808	3.70	1.15/2.10	BBQ at 19.45-20.60m and 21.50-23.60m.
KN 7	39.00		90	1130	1070	592398	7697820	6.00	0.45	BBQ at 29.05-29.50m.
KN 8	50.00		90	995	972	592251	7697750	4.00	0.00	No BBQ intersection.
KN 9	40.00	354	45	1036	1025	592303	7697789	9.00	2.30	BBQ at 21.95-24.25m.
KN 10	50.15	354	50	1225	1100	592498	7697833	5.10	0.25/1.00	BBQ at 22.45-22.70m and 23.55-24.55m.
KN 11	50.20	354	50	1335	1075	592603	7697793	5.00	0.75	BBQ at 25.20-25.95m.
KN 12	41.50	354	50	1320	1128	592596	7697846	4.40	0.00	No BBQ intersection. Mt.-quartzite at depth.

DDH 1 was drilled below the "outcrops" of the gold-rich quartzite. According to the dip of the country rocks in the area, i.e. 40° S, an intersection with the quartzite was anticipated to occur after 10m to 20m drilling. When the drill hole had reached a length of 40.20m without intersecting rocks similar to the mineralized one, it became evident that the outcrops represented ice-transported blocks. The drilling was stopped shortly after a greenish chlorite- and magnetite-bearing quartzite had been intersected. 4 core-samples from the main lithologies was taken out for express gold-analyses at Anamet Services (RTZ Group) in England (Table 2). Since the analyses only gave low gold values, a possible extension of the hole was given up.

DDH 2 was moved to the area immediately south of the cliff at DDH 1. Since the till in the area according to quaternary geologists at NGU was formed during north to northeast directed ice-movements, it was hoped that the gold-rich blocks had moved only a short distance from their original position. A potential source area was at the bottom of the small cliff immediately south of the drill-hole collar of DDH 1 where the ice may have plucked blocks from its lee side. DDH 2 intersected at 26.00-32.30m an arsenopyrite-bearing quartzite identical to those at the discovery point which are composed of alternating gray and tan-brown bands. The drill hole was extended to 56.00m in order to test the possibility for other mineralized horizons at depth. 7 core-samples was taken out from the BBQ-zone for express gold analyses (Table 2). Two of the samples yielded 11g/t and 4 g/t Au whereas the rest was below 0.5g/t Au. The promising results lead to an extension of the drilling program from 400m to a maximum of 600m.

Table 2. Results of express gold analyses on 10-20 cm long core samples from DDH 1 (KN1) and DDH 2 (KN2).

DDH	SAMPLE LENGTH		SAMPLE DESCRIPTION	Au
NUMBER	FROM	TO		(g/t)
KN 1	15.05m	15.20m	Coarsegr. hbl.-chl.-gneiss with weak Fe-sulfide disse-	0.02
			mination and 1-2cm thick quartz veins.	
	16.55m	16.70m	As above, but with 3 cm thick quartz vein with a low-angle pyrr-	0.05
			hotite vein (5mm) cutting across one of its contacts.	
	28.00m	28.20m	Fine-gr. and finely banded chloritic amphib. with up to 5mm wide	N.D
			pyrite schlierens along the foliation and with pyrite coated joints.	
	40.40m	40.60m	Dark, fine-gr. hbl.-bio.-chl.-quartzite with thin stringers of pyrite	N.D

			(0,1mm) along the foliation and 1-5mm bands of magnetite.	
KN 2	26.60m	26.80m	Finely banded BBQ with thin quartz veins (1-5mm) and segrega-	0.42
			tions along subconcordant hbl.-chl.-carb.-zone with some pyrrh.	
	27.60m	27.75m	BBQ with rich dissemination of 1-5mm arsenopyrite grains	0.39
			along 70mm wide quartz veined zone.	
	28.25m	28.40m	BBQ with 5mm thick subconcordant quartz veins with minor	0.16
			disseminated arsenopyrite and pyrrhotite.	
	29.05m	29.15m	BBQ with 5mm thick concordant quartz vein with 1mm wide	N.D
			envelope of hbl. and chl. No sulfides.	
	30.25m	30.40m	BBQ with 1-2mm thick quartz veins and mafic schlierens with	N.D
			scattered grains of arsenopyrite.	
	31.25m	31.40m	BBQ with diss. arsenopyrite and with 1-10mm micaceous	11.30
			zones, partly discordant, containing rich diss. of finegr.arspy.	
	32.05m	32.20m	Sheared, dark grey finely banded quartzite with biotite-rich	4.10
			zones. The quartzite contains diss. of pyrrh., arspy. and py.	

DDH 3 is situated about 25m south of DDH 2 and in the same profile as DDH 1 and DDH 2. It was drilled vertically in order to get another intersection of the mineralized brown banded quartzite (BBQ) to determined its dip along the drill-hole profile. Two parallel arsenopyrite-bearing horizons of BBQ measuring 0.75m (upper) and 1.00m, were intersected between 48.30m and 54.05m. The interval between them was composed of a dark gray quartzite-banded biotite gneiss. The hole was stopped at 75.00m without intersecting other units of BBQ. Therefore, it was assumed that the BBQ-zones in DDH 3 and DDH 2 were parts of an overturned isoclinal antiform dipping 40° south or 36° south in the drillhole profile.

DDH 6 and DDH 7 are situated about 50m and 100m northeast of DDH 2, respectively. The holes are vertical mainly because that is the quickest and easiest way to penetrate the blocky till. The holes were drilled in order to test the possible strike-extension of the BBQ towards the east. Two BBQ-zones with widths of about 1.10m were intersected in DDH 6 and one 0.55m wide zone in DDH 7. Both holes were terminated about 10m below the lower contact of the lowest BBQ-zone, i.e. at 31.00m in DDH 6 and at 39.00m in DDH 7.

DDH 4 is an inclined hole located 50m west of drillhole profile DDH 1-2-3 and was drilled to test the westward extension of the BBQ. The drilling was stopped at 50.00m without intersecting any BBQ-zones. However, quartz veins with associated arsenopyrite mineralization, some containing very coarse-grained arsenopyrite, were intersected at 26.35-30.10m.

DDH 8 situated about 40m south of DDH 4 and in the same profile was drilled to test the possibility that the westward extension of the BBQ in DDH 2 had been offset by a sinistral N-S trending transverse fault which could be deduced from the magnetic maps. The hole was terminated at 50.00m without penetrating any BBQ-zones.

DDH 5 inclined 60° towards the west or towards DDH 4, has the same location as DDH 3. It was drilled to get an ultimate confirmation of the presence of a fault between DDH 2 and DDH 4. Secondly, to test the possibility that the BBQ-zone was folded around an axis plunging 188°/40°, i.e. southwards from DDH 1 and between the drill-hole profiles DDH 1-2-3 and DDH 4-8. The latter option was considered the most likely by the structural geologist. No BBQ-zones or faults had been intersected when the drilling was stopped at 75.00m depth. However, dissemination zones and quartz veinlets with arsenopyrite occurred at 62.50-65.25m, i.e. in the crest of the postulated antiform.

DDH 9 having the same location as DDH 2 , was drilled to confirm the idea about an antiform structure and to test the subsurface extension of a thin BBQ-zone which occurs in biotite-chlorite-hornblende schists in the cliff immediately to the north. The drill hole inclined 45° north along the profile, intersected only till in the interval where the BBQ-zone in the cliff was anticipated to occur. This indicates that exposed rocks in the cliff occurring as two 4m by 6m walls, actually represent parts of big boulders. The BBQ-zone in DDH 2 was intersected at 21.95-24.25m and had narrowed down to a thickness of 2.00m compared with 5.00m in DDH 2. This indicates that DDH 9 intersects closer to the crest of the antiform.

DDH 10 is located 100m NE of DDH 7 and was drilled to test the possible eastward extension of the BBQ. Two BBQ-zones with a width of 0.25m (upper) and 1.00m was transected between 22.45m and 24.55m.

DDH 11 and DDH 12 is situated in the same drill-hole profile 100m NE of DDH 10. The purpose of the holes was to test further extension of the BBQ east of DDH 10. Secondly, to get a larger continuous section of the wall rocks in order to detect any changes in the sequence along strike from the westernmost profile (DDH 4-8). A thin BBQ-zone (0.75m) was intersected in DDH 11. BBQ-zones were not detected in DDH 12 which transects magnetite-bearing chloritic quartzites at depth. DDH 12 was stopped at 41.50m when the total length of all the holes had reached 597.75m.

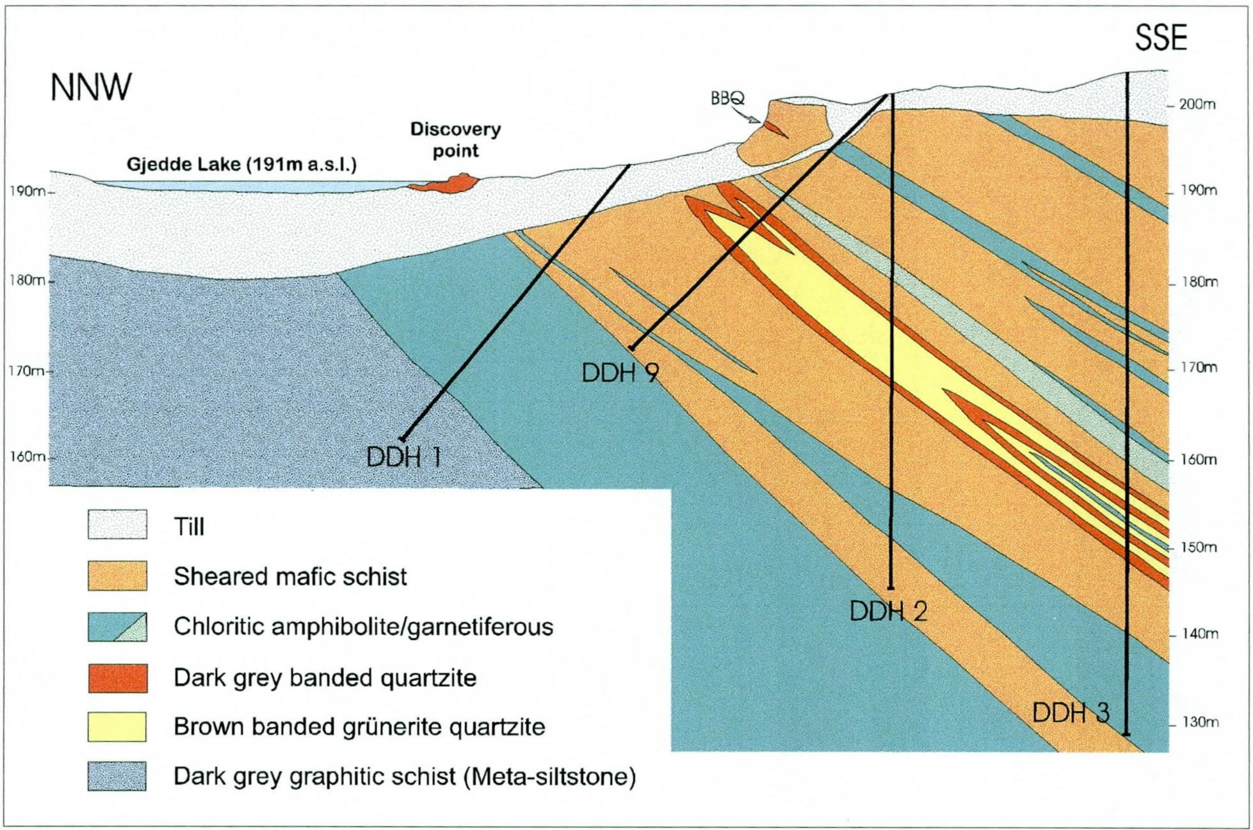


Fig. 3. Geological section through DDH 1, 2, 3 and 9, indicating the presence of an isoclinally folded BBQ-zone in strongly sheared mafic schists.

4. Chemical analyses of drill cores

The drill cores were transported to NGU's core store at Løkken for geological and petrophysical logging. Selected sections were cut in two halves and one half sent to Acme Analytical Laboratories Ltd., Vancouver B.C., Canada for analyses. The Geochemical Analysis Certificate from Acme is shown in Appendix 1. Tables of selected elements are shown in Appendix 2.

Table 3. Drill holes selected for core splitting and analyses. Sample lengths are 0.25 m, 0.60 m and 1.00 m. Total number of samples are 385.

DDH. NUMBER	SPLIT SECTIONS From	To	SAMPLE LENGTHS	NUMBER OF ANALYSES	ANALYSED LENGTH (m)
KN 1	8,00m	40,00m	1,00m	32	32,00
KN 2	20,00m	33,25m	0,25m	53	13,25
KN 3	6,00m	45,00m	1,00m	39	39
	45,00m	55,00m	0,25m	40	10
KN 5	61,75m	65,50m	0,25m	15	3,75
	73,75m	75,25m	0,25m	6	1,5
KN 6	17,00m	26,00m	0,25m	36	9
KN 7	25,00m	31,00m	0,25m	24	6
KN 9	17,00m	26,00m	0,25m	36	9
KN 10	20,00m	27,00m	0,25m	28	7
KN 11	5,00m	22,00m	1,00m	17	17
	22,00m	28,00m	0,25m	24	6
KN 12	6,40m	7,00m	0,60m	1	0,6
	7,50m	41,50m	1,00m	34	34
TOTAL				385	188,10

Analytical precision and reproducibility.

7 reference samples of international standards were added to the total batch for control of the laboratory results. As can be seen from Fig. 4, lab results are generally close to the accepted values of the standards. For the sample with the highest gold content, 4280 ppb, Acme obtains only 1788 ppb. This may indicate an analytical error for high gold values, but can also be the

result of an uncontrolled nugget effect in the international standard. 24 drill core samples were reanalysed twice as part of Acme lab's analytical routine. The results are plotted in Fig. 5. Reproducibility is generally good.

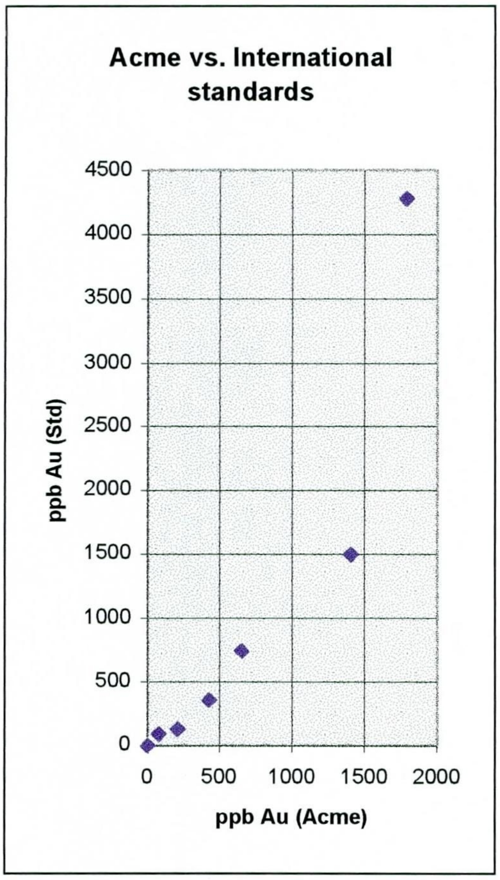


Figure 4: Blind international standards in batch of samples analyzed by Acme.

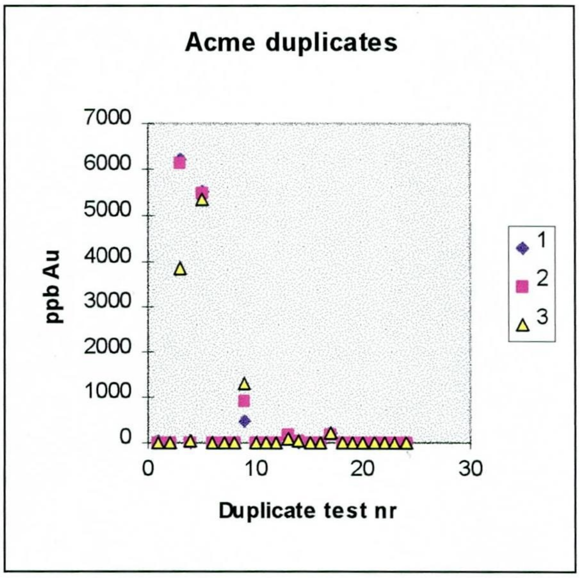


Figure 5: Triplicate analyses of core samples.

5. Ore Mineralogy

In order to establish a mode of occurrence for the gold mineralization, 8 polished thin sections have been prepared. The samples were selected from sections showing the highest gold values.

Results are presented in Table 4. Thin section investigations were done by Gleb Moralov and Morten Often. G. Moralov has wide experience from Russian gold deposits and is presently working at NGU with the Bleikvassli project.

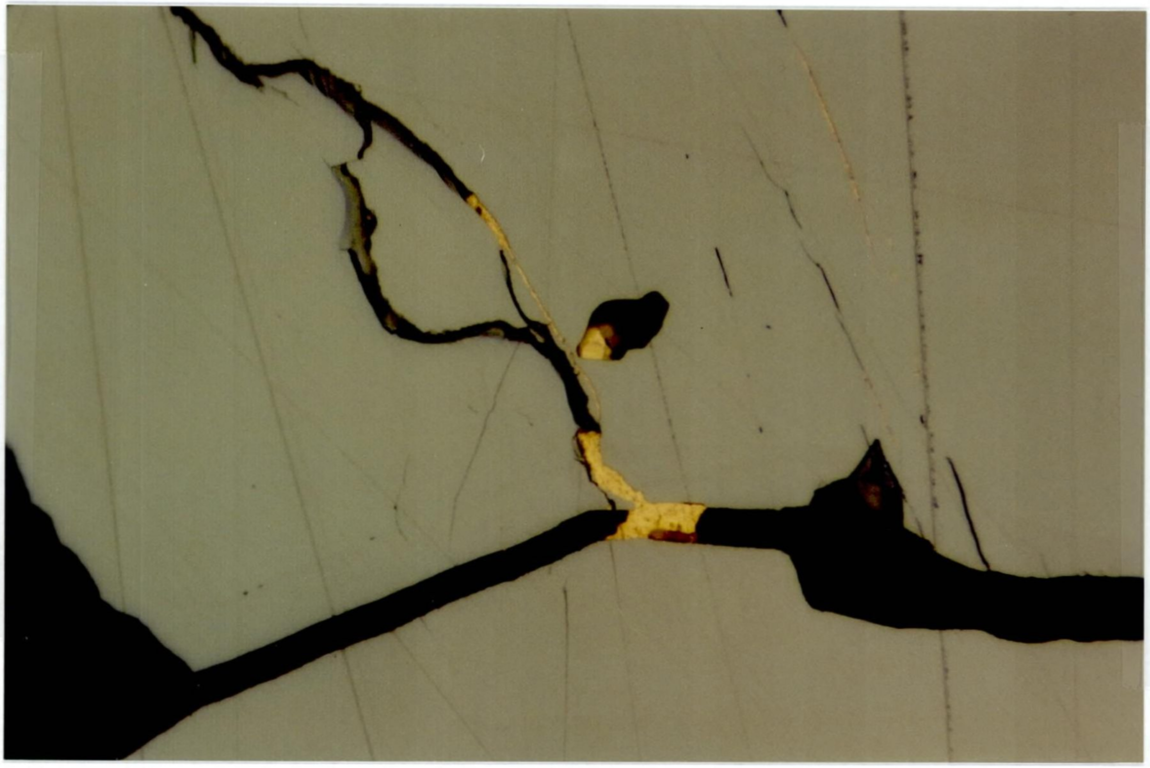


Figure 6: Typical occurrence of native gold. Gold filling microveins in arsenopyrite. Largest grain is about 50 µ. Drillhole KN-2, 28.4m.

Table 4: Results of a preliminary investigation of polished thin sections from Gjedde Lake drill cores.

Sample	Thin section nr.	Sulfide content (vol. %)	Main ore minerals	Minor ore minerals	Native Gold
kn2-22.45 m	961473	3	Po*, ilm, apy	Cp	
kn2-28.4 m	961474	15-20	Po, apy	Cp, a single inclusion in Apy (together with Po and Cp) of unknown mineral - gray with bluish tarnish, reflection is below Po, Cp, Apy, not strong, but notable bireflection, anisotropic, no internal reflections.	1. Three gold grains in a large crystal of Apy: one in a veinlet of gangue and two others as inclusions in Apy. 2. One inclusion of gold in Apy, (second Apy grain from the margin). 3. 6-7 gold grains in Apy (3-d crystal): 3 grains of gold in the Po-Cp veinlet, 1 grain fills its own veinlet, and 3 others are inclusions. Note that in this Apy crystal an inclusion of unknown minerals is located. 4. 4 gold grains in a Po-Cp veinlet, two are relatively large, one is small, and the last one is extremely small.
kn2-29.25 m	961475	<1	Po	Cp, ilm ??, magnetite??	No.
kn2-31.95 m	961476	15	Po, apy	Secondary marcasite, Cp.	One small grain just on the contact of an Apy crystal and quartz matrix
kn3-51.2 m	961477	3	Apy,ilm?, po	Cp,	No.
kn5-62.6 m	961478	10	Apy, ilm?, po	Cp, Rutile ??? -gray, reflectance low, like sphalerite?, bireflectance, anisotropic, light internal reflections. Ilm - gray-brown, bireflectance very strong, anisotropic, no internal reflections.	1. One small grain locked within Apy, together with gangue and po. Inclusions of ilm and Rutile occur around. 2. Eight small grains all together are locked within Apy and Ilm. 3. Five grains in a veinlet of mica?, that cross-cuts Apy. Gold has very yellow color and relatively low reflectance, which means high fineness (gold content more than 80-85 wt.%).
kn9-22.9 m	961479	5	Secondary marcasite-like mineral and iron hydroxides after po, primary po	Po, Cp (primary and secondary within bands of marcasite and iron hydroxide), Apy (very few)	No.
kn9-23.3 m	961480	3	Secondary marcasite-like mineral and iron hydroxides after po, primary po	Cp (primary and secondary within bands of marcasite and iron hydroxide), few Apy.	No.

*Po	- Pyrrhotite	Cp	- Chalcopyrite
Py	- Pyrite	Ilm	- Ilmenite
Apy	- Arsenopyrite		

Main conclusions

- Native gold is in close spatial relation with arsenopyrite. The presence of large arsenopyrite crystals and relatively high content of sulfides can probably be a guide to gold in visual grade control.
- Native gold formed later than arsenopyrite, after a tectonic event resulting in fracturing of arsenopyrite.
- Chalcopyrite and pyrrhotite are in close temporal relation with native gold. They fill the same fractures in arsenopyrite.
- Gold has yellow color and no reddish tint typical for Cu bearing native gold. This means that we probably deal with a common silver-gold alloy with a high content of Au (probably in excess of 80-85 wt. % of gold).
- The position of sulfides in the rocks is mainly controlled by metamorphic schistosity, and occasionally by fractures at approximately 45 degrees to the schistosity. It is possible therefore that at least some sulfides, and may be some gold, were present in the rock before a metamorphic event and later only recrystallized.
- Superimposed hydrothermal processes were probably responsible for sulfide/gold precipitation. The style of mineralization fits a mesothermal type of gold deposit, which could indicate a relatively large vertical extension of the mineralization.
- Gold grains are small in size, ranging from a few microns up to about 100 microns, and mostly locked within arsenopyrite. This may imply recovery problems.

6. Main results and interpretations

Core logs of drillholes 1 to 12 are presented in Appendix 3. The drilling and detailed mapping have shown that all of the outcrops in the Gjedde Lake area represent ice-transported blocks which are concentrated in the top layer of the till. The blocky till varies in thickness from 2.00m in DDH 2 to 6,00m in DDH 6. When the position of the area containing BBQ-blocks is compared with the blind outcrop of the BBQ-zone (Fig.7) it becomes apparent that the ice at some stage moved towards the northwest.

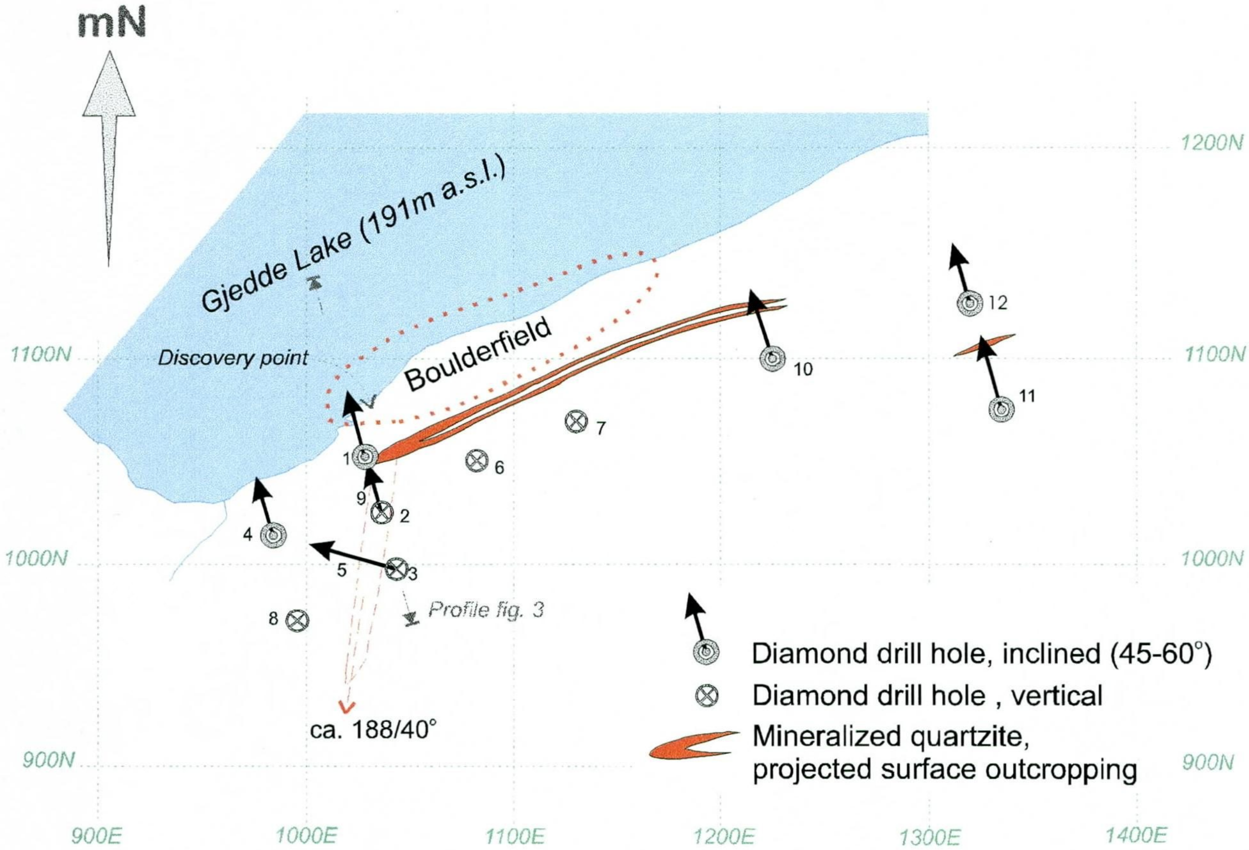


Fig. 7. Map showing the distribution of ice-transported auriferous BBQ-blocks in comparison to the extrapolated, blind outcrop of the BBQ at the 191 level (water).

The BBQ marker horizon contains tan-brown bands composed of quartz and clino-amphibole which probably belongs to the cummingtonite-grünerite series. Grünerite is the Fe-rich end-member and is often found associated with metamorphosed silicate-facies iron-formations. Therefore, it cannot be ruled out that the BBQ along strike may grade into ordinary magnetite-banded quartzites similar to those occurring at depth in DDH 1 and DDH 12.

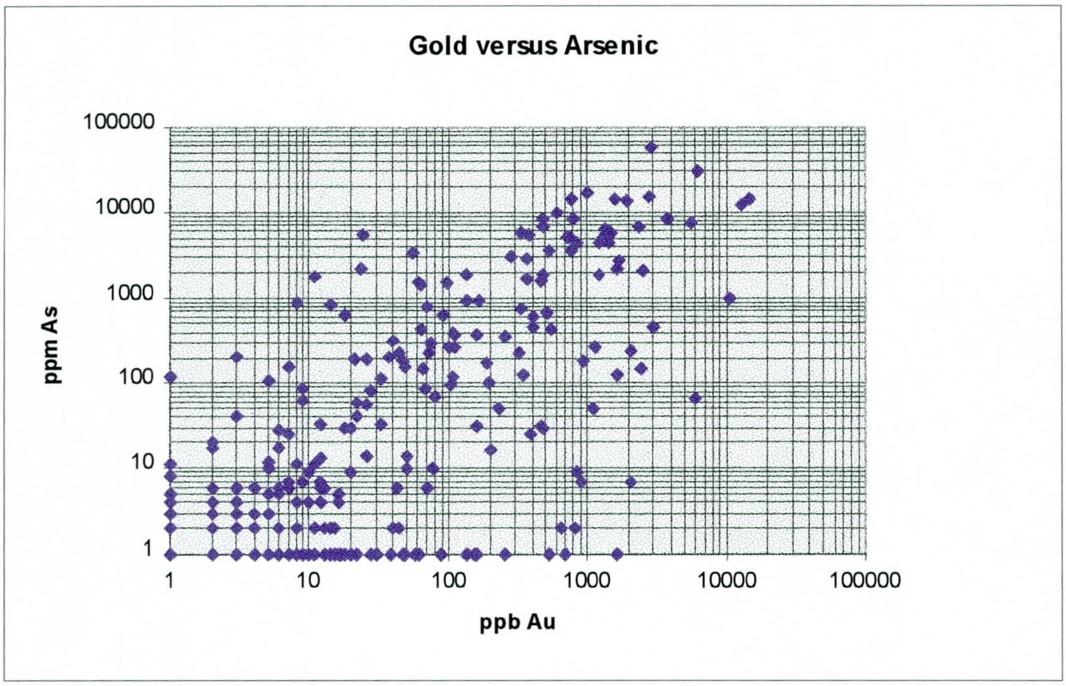
The BBQ is hosted by a rather monotonous sequence of well foliated carbonate-hornblende-biotite-chlorite schists (hereafter termed mafic schists) which grade into thin units of garnetiferous amphibolite, chlorite schists and biotite gneisses with quartzite bands. The sequence borders on an underlying unit of less deformed amphibolites, graphite schists and greenish chloritic quartzites with dissemination and thin bands of magnetite. The mafic schists contain numerous generations of quartz and quartz-carbonate (ankerite) veins which are in different states of deformation. The earliest generation form 1-10mm wide lenticular veins conformable with the S1-foliation whereas the latest generation occur as up to 30cm wide undeformed veins discordant to the S1- and S2-foliation. The early veins are deformed into tight and isoclinal folds which show two main orientations, i.e. subhorizontal E-W trending folds and folds plunging about 40° south. The latter direction is comparable with the plunge of the antiform structure (Fig. 2) which can be defined by extrapolating the BBQ-zones in DDH 2, 3, 6, 7 and 9 up dip to their intersection with the 191m level, i.e. the level of the lake. How the BBQ-zones in DDH 7, 10 and 11 are interconnected are not yet clear.

The mafic schists are strongly sheared which is shown by the presence of densely spaced shear bands composed of quartz-chlorite schists and detached intrafolia folds. These folds are easily recognized where the lenticular quartz veins form isoclinal fishhook-like folds between the shear bands. The shear-banded zones alternate with well foliated schists and high-strain zones where the lenticular quartz veins becomes strongly flattened and completely planar. The schistose quartz -veined rocks can best be described as mafic mylonites. The contact zone of the BBQ is generally strongly sheared in contrast to its interior and carries pyrrhotite filled micro-breccias along some of the shear planes. The chloritic shear planes and bands which define the S2-foliation are in some sections overgrown by aggregates and single crystals of red garnet and unorientated sheaves and needles of hornblende. Locally, these minerals also occur in a deformed state as lenticular flattened aggregates along the shear planes overgrown by undeformed crystals. This suggest that the growth of garnet and hornblende was initiated during the D1-deformation and continued during the D2-deformation. The gradational contact between quartz-veined amphibolites and well foliated and sheared mafic schists with unorientated hornblende needles (garben schists) give indications that the sequence of schists originated from strongly retrograded and sheared amphibolites. The pervasive retrogradation indicates a high flux of fluids which can also be deduced from the high density of quartz ± carbonate veins and irregular zones of fine-grained bluish gray quartz flooding across the metamorphic banding. The metamorphic mineral-parageneses suggest retrogradation under lower amphibolite/upper greenschist facies conditions.

Fe-sulfides and chalcopyrite are invariably present as fine-grained dissemination of single grains and aggregates as well as minute stringers along the foliation of the mafic mylonitic schist. In addition, pyrite is found as fracture coatings. The sulfide content rarely exceeds 1%, although variations can be registered from accessory amounts in weakly deformed amphibolites to 1-2% in the densely shear-banded mafic schists and up to 20% in 5-10mm wide bands at the margin of the BBQ. The gold analyses from DDH 1 do not indicate that this type of sulfide enrichment is followed by any coeval gold deposition, though some of the samples may be considered anomalous in respect to gold.

The analyses of the core-samples indicates that the gold is generally concentrated within or in the contact zones of the BBQ and DGBQ where both arsenopyrite and pyrrhotite occur (Appendix 3) . Samples of coarse grained arsenopyrite occurring both as dissemination and as late quartz veins in the central part of the BBQ show low gold contents (see Table 2). This seems to be in accordance with the results from the surface samples (Ettner 1995; Melezhik 1995) which show good correlation between Au and S, but a very weak one between Au and As. However, the total population of core analyses do show a certain correlation between Au and As (Fig. 8) when plotted in a log/log diagram. It is also apparent that intermediate to high gold values occur without parallel concentration of arsenic. On the other hand, high As values nearly always are followed by anomalous Au values. The Au vs. S diagram shows that high gold values always occur with sulfur concentrations and also that sulfur concentrations without gold is present.

Arsenopyrite is apparently concentrated in the hinge of the antiform both in the BBQ and its immediate wallrocks as found in DDH 2, 3, 4, 5 and 9. The amount of arsenopyrite decreases in DDH 6 and DDH 7 and becomes nearly absent in DDH 10 and DDH 11. However, pyrrhotite ± chalcopyrite and partly pyrite are present in all the intersected BBQ-zones and especially along their sheared contacts.



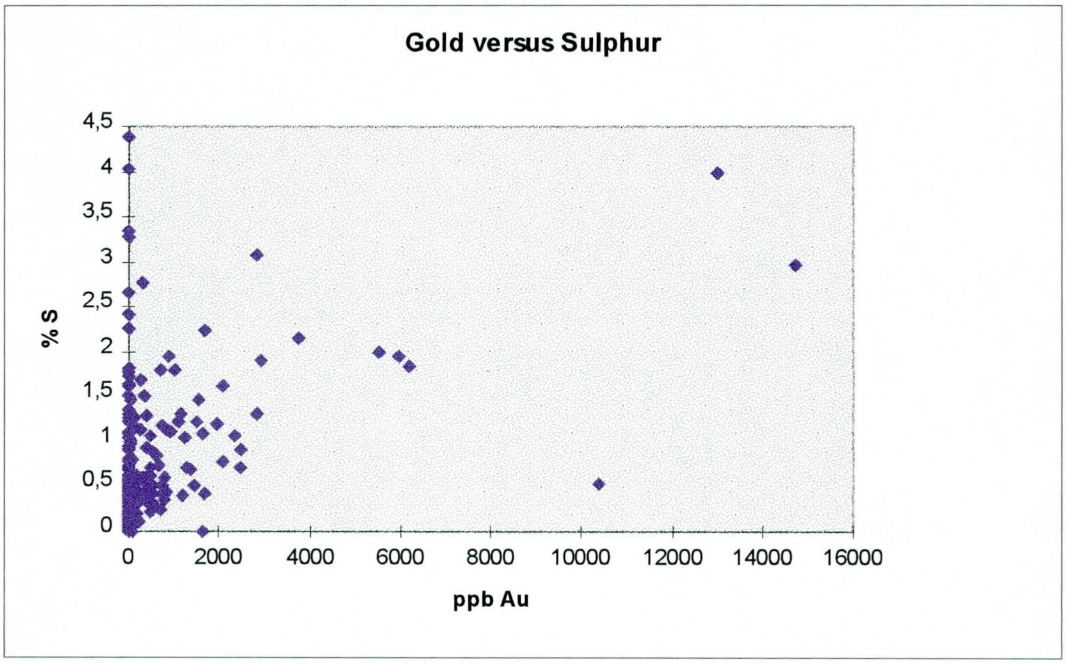


Fig. 8: Analyses cf 385 drill core samples. Gold versus arsenic and versus su,fur.

Magnetic maps constructed from the obtained ground survey data, show several lineaments which may represent transverse faults. These may have had some control on the location of the mineralization. The most prominent of these lineaments, striking N-S shortly west of DDH 1, was tested without any success. No fault zone was intersected in DDH 5. Rather, it seems that the lineaments are caused by alignment of isoclinal fold-hinges. The ground surveys further that the BBQ -zone do not give a clear response to any of the applied methods (Mag., IP, SP and VLF)

7. Regional relationships

In a regional context it seems that the gold mineralization associated with the BBQ is situated within a 900m wide regional thrust zone which in the Gjedde Lake area is composed of quartz-veined and partly silicified carbonate-hornblende-biotite-chlorite schists or mafic mylonitic schists. The protolith of the schists may represent mafic meta-volcanites deformed under upper greenschist or lower amphibolite facies conditions. The thrust is apparently located to a zone immediately below the foot-wall contact of a thick sequence of hornblende-bearing meta-sandstones and garnetiferous mica schists. The mafic mylonitic schists are rarely exposed and it is therefore difficult to assess the exact position of the thrust zone along strike, except that it is located to the area immediately west and north of the meta-sandstone sequence. The sequence occurs below an overridden plate of Archaean gneisses containing bodies of dioritic orthogneisses. Presently, it is unknown whether the thrusting was orthogonal or oblique, i.e. with a lateral shear component.

A possible equivalent to the thrust zone is found at the western margin of the Polmak Greenstone Belt where low-angle faults occur in the same tectonostratigraphic position (Marker 1985; Siedlecka and Roberts 1996). The faults are apparently intruded by diorite-granodiorite plutons yielding an U/Pb age of 1931±2 Ma (Kesola 1995).

The meta-sandstone sequence can be followed across the Pasvik River into Russia where it can be correlated with the Tal'ya Formation of the South Pechenga Group. The structurally overlying Lake Pestchanoe Formation comprising basaltic rocks (Melezhik 1996), would be a natural unit to look for the thrust zone. However, there exists other possible correlatable structures in the South Pechenga Group which is strongly imbricated and contain several important reverse faults including the Poritash fault along the border of the North Pechenga Group (Melezhik 1996).

This regional fault or thrust zone, hereafter termed the South Pechenga Polmak Thrust Zone (SPPTZ), is important (Fig. 9). In the context of economic gold deposits in Archaean and Paleoproterozoic greenstone belts around the world there is commonly a close relationship with this type of regional fault or thrust zone. The formation of economic deposits in such belts are to a large extent controlled by 2. and 3. order structures, developed adjacent to major regional high-angle shear zones or breaks (1. order structures). The major shear zones rarely host economic gold deposits. Another typical feature for these belts is the predominance of productive deposits in areas with greenschist facies metamorphism. Although none of these features are typically met with in the case of the Gjedde Lake gold mineralization, it is to premature to make any judgment of its economic potential. During further work one should keep in mind the following important facts: 1) The presence of a gold mineralization, 2) the presence of a major 1. order structure and 3) the presence of pervasive retrogradation indicating large scale fluid migration necessary for the formation of economic gold deposits.

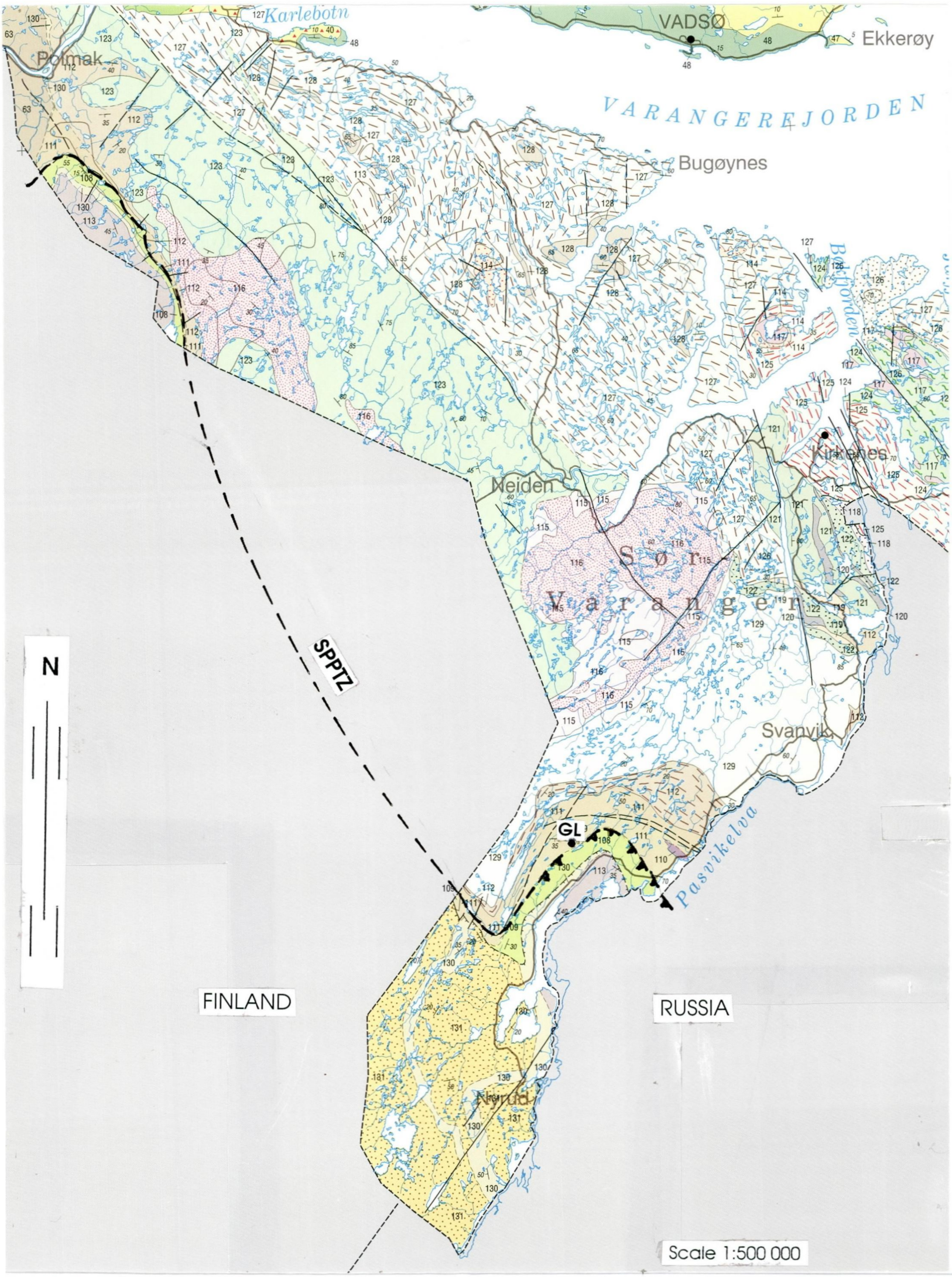


Fig. 9. The position of the Gjedde Lake gold mineralization in relation to the South Pechenga-Polmak Thrust Zone (SPPTZ). GL= Gjedde Lake.

8. Conclusions

The drilling has demonstrated fully that the auriferous brown-banded grünerite quartzite at the discovery point represents ice-transported blocks and not outcrops of the bedrock. In spite of this, an isoclinally folded zone of auriferous BBQ was discovered; outcropping blindly below 2-6 m of blocky till about 25 m SE of the fan of gold-bearing boulders.

The isoclinal fold plunge to the south (188°/44°) from its hinge outcropping below the till at DDH 1. So far the BBQ has been traced 300 m eastwards from its hinge. The thickness of the BBQ along the limbs of the fold is about 1.0 m increasing to about 5.0 m in the thickened hinge. The hinge zone contains abundant arsenopyrite as dissemination in quartz veins and in their immediately adjacent wall rocks. Analytical results show that the arsenopyrite mineralization is gold bearing and that high gold values should also be expected to occur associated with pyrrhotite in the sheared and fractured border zones of the BBQ. Weak gold mineralization (0.2 - 0.8 ppm) is also found in 2 drillholes (KN-1 and KN-2) to occur outside of the BBQ.

The drilling has not confirmed the presence of transverse faults as proposed in previous reports on the basis of magnetic lineaments. In addition, the data from the geophysical ground surveys demonstrate that the mineralized BBQ zone lacks any clear geophysical signature.

The preliminary core logging has also shown that the BBQ is situated within a major thrust zone of regional extent (1. order structure). The rocks along the thrust zone are strongly sheared and retrograded under upper greenschist/lower amphibolite facies conditions. The protolith of the sheared and mylonitic carbonate-hornblende-biotite-chlorite schists is assumed to be fine-grained amphibolites of presently unknown composition. The presence of gold mineralization in relation to a 1. order structure, showing signs of large scale fluid migration, lend support to further follow-up in the area.

9. Recommendations

Further follow-up in the area is recommended. However, since the exact location of the thrust zone and areas with possible associated 2. and 3. order structures (high gold potential) is unknown, the initially claimed area should be extended considerably. The whole greenstone belt and overlying basement units have potential for hosting mineralized 2. and 3. order structures.

The high claiming costs make it necessary to apply an effective method to select smaller areas for further follow-up. One such method is top-soil geochemistry with sample density around one sample per km^2, i.e. about 300 samples. A geochemical survey is recommended before further assessment of the Pasvik area is made and before joint-venture partners may be considered.

Further drilling on the Gjedde Lake target should be considered.

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Appendix 1

Geochemical Analysis Certificate from Acme Analytical Laboratories Ltd., Vancouver, B.C. Canada.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Geological Survey of Norway File # 96-5060 Page 1

P.O. Box 3006 - Lade, N-7002 Trondheim Norway

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-1 8,00-9,00	<1	101	3	96	<.3	41	33	1150	5.78	2	<5	<2	<2	26	.4	2	<2	217	4.89	.079	8	65	2.93	69	.13	<3	2.57	.06	.42	<2	40	.07
KN-1 9,00-10,00	<1	73	<3	111	.3	25	23	1336	5.78	10	<5	<2	<2	36	.4	<2	2	231	5.82	.124	15	23	1.86	159	.19	<3	2.23	.08	.77	<2	50	.22
KN-1 10,00-11,00	<1	75	<3	82	<.3	40	32	1262	5.42	<2	<5	<2	<2	34	.2	2	2	179	5.48	.105	9	59	2.70	67	.12	<3	2.27	.07	.23	<2	30	.16
KN-1 11,00-12,00	1	104	3	73	<.3	37	33	1087	5.17	<2	<5	<2	<2	29	.2	2	<2	140	4.55	.083	10	44	2.23	25	.11	<3	1.90	.08	.07	<2	20	.43
KN-1 12,00-13,00	<1	104	<3	78	<.3	41	33	1168	4.74	<2	<5	<2	<2	32	.2	<2	<2	151	5.09	.074	8	45	2.24	28	.12	<3	1.93	.07	.08	<2	62	.27
KN-1 13,00-14,00	<1	92	<3	81	<.3	39	35	1121	5.51	11	<5	<2	<2	39	.5	<2	<2	192	5.69	.077	9	48	2.61	61	.10	<3	2.21	.05	.16	<2	11	.19
KN-1 14,00-15,00	<1	100	<3	85	<.3	37	32	1017	5.06	<2	<5	<2	<2	30	<.2	<2	2	152	4.16	.073	10	47	2.30	21	.12	<3	2.12	.09	.08	<2	14	.22
KN-1 15,00-16,00	<1	88	<3	103	<.3	43	35	1029	5.80	<2	<5	<2	<2	35	.5	4	<2	188	4.50	.070	9	55	2.70	38	.11	<3	2.60	.07	.12	<2	16	.20
KN-1 16,00-17,00	<1	97	<3	79	<.3	31	31	966	5.27	2	<5	<2	<2	30	.2	2	2	170	4.47	.071	7	39	2.02	128	.14	<3	2.04	.09	.41	<2	802	.36
KN-1 17,00-18,00	<1	82	<3	84	<.3	42	33	1139	5.66	<2	<5	<2	<2	40	.3	<2	2	166	5.17	.067	8	60	2.39	58	.12	<3	2.22	.07	.20	<2	18	.31
KN-1 18,00-19,00	<1	103	<3	65	<.3	35	26	1414	4.84	<2	<5	<2	<2	68	<.2	3	3	121	6.91	.059	8	46	2.07	48	.11	<3	1.74	.07	.15	<2	22	.27
RE KN-1 18,00-19,00	<1	103	<3	66	<.3	36	26	1420	4.93	<2	<5	<2	<2	70	.4	<2	2	122	7.07	.060	7	47	2.11	49	.11	<3	1.77	.07	.16	<2	10	.27
RRE KN-1 18,00-19,00	<1	104	3	66	<.3	35	25	1420	4.90	<2	<5	<2	<2	68	.4	2	<2	122	6.92	.060	8	47	2.09	49	.11	<3	1.76	.07	.17	<2	12	.27
KN-1 19,00-20,00	1	62	<3	78	<.3	39	29	947	4.98	5	<5	<2	2	37	.3	2	<2	155	4.75	.068	9	62	2.13	35	.13	<3	2.12	.10	.14	<2	16	.15
KN-1 20,00-21,00	<1	126	<3	82	<.3	50	36	1110	5.21	<2	<5	<2	2	43	.3	2	<2	133	5.40	.070	9	56	2.37	60	.14	<3	2.08	.09	.21	<2	13	.27
KN-1 21,00-22,00	<1	78	<3	82	<.3	44	31	1140	5.53	7	<5	<2	<2	41	.2	2	3	186	5.60	.071	9	60	2.26	74	.15	<3	2.13	.10	.27	<2	9	.25
KN-1 22,00-23,00	1	77	<3	83	<.3	45	32	830	5.30	7	<5	<2	<2	27	.3	<2	3	164	4.30	.064	9	65	2.05	130	.18	<3	2.26	.09	.47	<2	7	.11
KN-1 23,00-24,00	1	93	<3	120	<.3	48	34	1056	6.01	4	<5	<2	<2	49	.4	<2	<2	190	5.01	.066	8	61	2.42	120	.17	<3	2.60	.08	.44	<2	3	.09
KN-1 24,00-25,00	2	93	<3	149	<.3	53	37	1426	6.80	11	6	<2	2	72	.8	<2	<2	245	7.41	.067	9	59	2.74	108	.12	<3	2.85	.04	.35	<2	1	.34
KN-1 25,00-26,00	4	120	5	169	<.3	69	40	2168	7.62	12	9	<2	2	124	1.4	<2	<2	240	11.91	.057	6	34	2.50	81	.09	<3	2.17	.02	.29	<2	5	1.82
KN-1 26,00-27,00	1	96	<3	202	<.3	78	45	1298	8.60	4	<5	<2	3	92	1.3	<2	3	343	6.68	.076	13	75	3.82	107	.14	<3	4.34	.02	.37	<2	10	.38
KN-1 27,00-28,00	3	112	<3	213	<.3	45	42	1124	7.68	<2	<5	<2	2	66	1.1	<2	<2	293	5.28	.077	16	31	3.21	100	.19	<3	3.17	.04	.72	<2	17	.95
KN-1 28,00-29,00	1	153	<3	98	<.3	54	36	710	4.90	<2	<5	<2	3	63	.4	2	<2	162	4.97	.096	24	36	1.98	94	.17	<3	1.98	.12	.22	<2	11	.40
KN-1 29,00-30,00	2	180	<3	94	<.3	107	39	665	5.14	<2	<5	<2	3	60	.3	<2	<2	169	4.74	.092	20	72	2.23	67	.16	<3	2.12	.10	.18	<2	7	.40
RE KN-1 29,00-30,00	2	182	<3	95	<.3	106	39	661	5.15	<2	<5	<2	2	60	.2	<2	<2	169	4.73	.092	20	73	2.23	67	.15	<3	2.14	.10	.17	<2	9	.40
RRE KN-1 29,00-30,00	2	183	<3	94	<.3	108	40	665	5.15	<2	<5	<2	2	60	<.2	<2	<2	169	4.72	.093	20	72	2.22	68	.15	<3	2.13	.10	.16	<2	7	.45
KN-1 30,00-31,00	3	179	<3	118	<.3	129	42	822	5.63	<2	<5	<2	2	92	.4	<2	<2	192	6.01	.084	19	92	2.46	52	.14	<3	2.32	.08	.14	<2	13	.58
KN-1 31,00-32,00	1	116	4	89	.4	98	35	780	5.05	6	<5	<2	3	58	.2	5	2	177	4.84	.085	20	97	2.54	89	.15	<3	2.05	.08	.23	<2	42	.27
KN-1 32,00-33,00	2	129	<3	69	<.3	75	32	784	4.35	<2	<5	<2	2	57	<.2	<2	<2	142	5.13	.087	22	61	2.07	119	.17	<3	1.62	.11	.27	<2	161	.36
KN-1 33,00-34,00	1	122	<3	95	<.3	100	36	809	5.41	<2	<5	<2	3	63	.2	<2	<2	170	5.22	.081	20	98	2.63	169	.17	<3	2.23	.08	.38	<2	11	.46
KN-1 34,00-35,00	2	99	<3	91	<.3	82	40	809	5.54	<2	<5	<2	3	52	<.2	<2	<2	191	4.73	.083	19	76	2.58	105	.16	<3	2.23	.08	.27	<2	4	.42
KN-1 35,00-36,00	1	106	3	87	<.3	66	38	938	5.73	<2	<5	<2	2	83	.4	<2	<2	197	6.16	.090	20	58	2.55	82	.15	<3	2.26	.09	.21	<2	8	.39
KN-1 36,00-37,00	2	163	<3	123	<.3	99	43	861	6.57	<2	5	<2	4	80	.5	<2	<2	224	5.53	.086	21	82	3.02	100	.15	<3	2.55	.06	.27	<2	10	.74
KN-1 37,00-38,00	1	111	<3	68	<.3	71	28	701	4.06	<2	<5	<2	2	53	<.2	<2	<2	131	4.68	.084	22	52	1.90	64	.16	<3	1.49	.09	.17	<2	9	.43
KN-1 38,00-39,00	1	58	3	51	<.3	18	25	576	3.48	<2	<5	<2	3	37	<.2	2	<2	115	3.38	.077	19	13	1.41	80	.16	<3	1.43	.14	.20	<2	9	.30
KN-1 39,00-40,00	3	62	<3	98	<.3	48	32	621	4.96	<2	<5	<2	4	32	.3	<2	<2	145	3.09	.072	19	28	2.05	168	.18	<3	1.84	.10	.40	<2	15	.90
STANDARD C2/AU-R/CSA	21	64	38	153	7.2	75	38	1251	3.97	42	22	9	37	55	21.3	22	22	77	.57	.110	42	66	1.06	206	.08	30	2.06	.06	.14	11	485	5.13

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
TOTAL S BY LECO.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA/ICP FROM 50 GM SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 4 1996 DATE REPORT MAILED: Oct 29/96 SIGNED BY..........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-2 20,00-20,25	1	21	5	77	.3	2	18	469	4.14	<2	<5	<2	<2	15	<.2	3	<2	100	1.62	.082	7	5	.96	257	.18	<3	1.91	.13	.70	<2	48	.07
KN-2 20,25-20,50	1	23	8	65	4.8	2	17	935	3.66	10	<5	<2	<2	19	<.2	<2	<2	93	2.00	.076	6	5	.79	188	.14	<3	1.60	.12	.53	<2	78	.14
KN-2 20,50-20,75	1	25	<3	70	.4	2	24	732	4.70	95	<5	<2	<2	26	<.2	3	<2	112	3.13	.078	7	5	.88	166	.15	<3	1.85	.13	.58	<2	105	.31
KN-2 20,75-21,00	<1	36	<3	73	.3	1	23	877	4.91	374	<5	<2	2	27	<.2	6	<2	117	3.44	.072	7	4	.96	195	.16	<3	1.92	.11	.77	<2	112	.28
KN-2 21,00-21,25	1	111	<3	49	.5	7	23	1261	4.07	951	<5	<2	2	87	<.2	2	<2	95	6.25	.057	5	13	1.08	76	.09	<3	1.51	.09	.42	<2	164	.35
KN-2 21,25-21,50	<1	4	<3	108	.3	48	43	1313	7.06	200	<5	<2	<2	43	.2	<2	<2	185	4.77	.074	8	74	3.37	60	.11	<3	3.56	.07	.40	<2	21	.01
KN-2 21,50-21,75	<1	86	<3	73	.4	16	30	957	5.70	5641	<5	<2	2	28	<.2	<2	<2	189	4.55	.076	5	20	1.70	150	.15	<3	2.05	.09	.90	<2	329	.60
KN-2 21,75-22,00	<1	40	<3	67	.3	8	25	810	5.43	8470	<5	<2	2	18	<.2	<2	<2	177	3.32	.078	4	11	1.32	135	.16	<3	1.90	.07	.99	<2	797	.59
KN-2 22,00-22,25	<1	56	<3	56	.5	9	24	799	4.57	2777	<5	<2	<2	17	<.2	<2	<2	155	3.24	.093	4	10	1.28	104	.14	<3	1.70	.09	.80	<2	1666	.42
KN-2 22,25-22,50	2	83	4	17	.5	5	1	593	5.76	30591	<5	3	<2	43	<.2	13	<2	35	3.07	.009	1	12	.97	12	.02	<3	.35	.01	.08	7	6194	1.83
RE KN-2 22,25-22,50	2	81	<3	17	.5	5	1	597	5.70	30721	7	4	<2	43	<.2	9	<2	35	3.05	.009	1	13	.96	12	.02	<3	.35	.01	.08	7	6113	1.79
RRE KN-2 22,25-22,50	1	81	5	18	.5	5	2	601	5.71	30853	<5	3	<2	43	<.2	12	<2	35	3.06	.009	1	13	.96	12	.02	<3	.35	.01	.07	8	3859	1.67
KN-2 22,50-22,75	1	32	<3	85	.6	34	80	756	8.95	57164	<5	<2	2	20	<.2	9	<2	166	2.56	.039	4	38	1.72	78	.11	<3	1.59	.05	.68	<2	2828	3.09
KN-2 22,75-23,00	<1	93	<3	64	<.3	31	30	1235	4.63	623	<5	<2	<2	27	<.2	<2	<2	155	5.29	.065	7	46	1.96	80	.13	<3	1.92	.11	.63	<2	91	.11
KN-2 23,00-23,25	1	514	<3	48	.6	15	33	878	5.41	775	6	<2	<2	16	<.2	<2	<2	155	3.21	.111	6	21	1.49	66	.12	<3	1.52	.09	.56	<2	71	1.16
KN-2 23,25-23,50	9	300	<3	58	.5	41	43	1507	5.79	227	8	<2	2	20	<.2	<2	<2	139	3.76	.070	11	40	1.82	46	.12	<3	1.62	.09	.37	<2	44	1.25
KN-2 23,50-23,75	7	409	<3	87	.5	63	48	4518	7.26	3289	<5	<2	3	58	<.2	<2	<2	239	5.88	.056	18	91	2.84	100	.12	<3	1.41	.05	.75	<2	56	1.46
KN-2 23,75-24,00	1	110	3	73	.5	45	36	2118	5.74	930	<5	<2	2	37	.2	<2	<2	175	5.44	.061	11	63	2.53	66	.11	<3	1.97	.08	.48	<2	137	.57
KN-2 24,00-24,25	<1	150	<3	79	.3	41	35	1415	6.01	113	6	<2	<2	51	<.2	3	<2	186	6.84	.063	9	65	2.74	37	.11	<3	2.41	.07	.28	2	33	.58
KN-2 24,25-24,50	3	99	<3	86	<.3	41	22	5487	5.61	14	<5	<2	2	51	.2	<2	<2	140	6.26	.041	15	56	2.49	72	.14	<3	1.41	.06	.62	<2	26	.80
KN-2 24,50-24,75	<1	148	<3	83	<.3	51	37	1485	5.76	9	<5	<2	<2	24	<.2	<2	<2	183	4.66	.068	9	68	2.29	40	.13	<3	2.17	.08	.30	<2	20	.78
KN-2 24,75-25,00	2	180	3	72	<.3	43	31	2556	5.30	33	<5	<2	3	27	<.2	<2	<2	172	4.18	.046	17	66	1.79	66	.14	<3	1.37	.06	.53	<2	33	.99
KN-2 25,00-25,25	1	70	<3	91	<.3	45	35	1591	5.80	6	<5	<2	<2	30	.2	<2	<2	189	5.15	.065	9	67	2.73	67	.15	<3	2.68	.08	.59	<2	12	.29
KN-2 25,25-25,50	2	43	<3	21	<.3	7	4	1234	3.03	641	<5	<2	<2	37	<.2	<2	<2	40	2.64	.015	2	15	.82	5	.01	<3	.50	.01	.03	5	18	.68
KN-2 25,50-25,75	<1	61	<3	99	<.3	16	19	311	6.08	1431	<5	<2	<2	12	.3	2	<2	256	1.26	.107	15	21	1.64	151	.22	<3	2.31	.09	1.29	<2	64	.81
KN-2 25,75-26,00	<1	5	<3	106	<.3	13	14	223	6.76	6	<5	<2	<2	9	.2	5	<2	313	.92	.126	15	11	1.98	144	.25	<3	3.08	.08	1.18	<2	13	.01
RE KN-2 25,75-26,00	<1	6	<3	108	<.3	14	14	230	6.93	3	<5	<2	2	9	<.2	<2	<2	319	.94	.128	15	11	2.02	147	.26	<3	3.14	.09	1.21	<2	12	.01
RRE KN-2 25,75-26,00	<1	6	<3	106	<.3	13	14	220	6.67	9	<5	<2	2	9	<.2	<2	<2	310	.94	.127	15	12	1.96	141	.25	<3	3.06	.09	1.15	<2	35	.02
KN-2 26,00-26,25	2	100	4	13	1.7	8	5	147	4.47	127	<5	8	<2	13	<.2	2	<2	64	1.03	.043	3	12	.34	6	.06	<3	.72	.04	.04	4	349	1.50
KN-2 26,25-26,50	1	126	4	4	8.6	4	2	139	4.31	7	<5	45	<2	35	<.2	4	2	21	1.65	.015	<1	11	.13	3	.01	<3	.31	.02	.01	3	905	1.96
KN-2 26,50-26,75	1	28	4	1	.5	4	1	321	1.83	<2	<5	2	<2	96	<.2	<2	<2	8	4.47	.009	1	8	.18	11	.01	<3	.17	<.01	.04	2	531	.51
KN-2 26,75-27,00	1	192	4	16	.3	10	18	612	5.43	<2	<5	<2	<2	69	<.2	<2	<2	47	3.59	.014	1	14	.54	34	.05	<3	.80	.02	.22	4	1659	2.25
KN-2 27,00-27,25	<1	8	<3	86	<.3	6	11	566	7.84	<2	6	<2	2	51	<.2	<2	<2	299	2.91	.093	4	11	2.21	272	.29	<3	3.67	.08	1.82	<2	57	.06
KN-2 27,25-27,50	1	74	<3	16	.3	7	6	327	4.15	5642	<5	<2	<2	22	<.2	3	<2	47	1.21	.007	<1	16	.59	21	.02	<3	.80	.01	.17	5	1498	1.23
KN-2 27,50-27,75	1	58	3	4	.3	5	1	214	2.99	436	<5	<2	<2	26	<.2	<2	<2	18	1.13	.009	<1	12	.22	13	.01	<3	.33	.01	.06	3	64	1.10
KN-2 27,75-28,00	1	56	<3	<1	<.3	6	<1	105	3.28	264	7	<2	<2	18	<.2	3	<2	12	.78	.010	<1	14	.10	7	<.01	<3	.17	<.01	.04	5	1138	1.31
KN-2 28,00-28,25	1	41	<3	<1	<.3	5	<1	50	2.84	50	<5	<2	<2	4	<.2	3	<2	5	.19	.010	<1	12	.04	3	<.01	<3	.05	<.01	.01	4	1090	1.22
STANDARD C2/AU-R/CSA	22	65	40	154	7.4	76	38	1240	3.96	42	18	9	38	56	20.9	15	20	78	.59	.109	42	68	1.08	214	.09	30	2.11	.07	.15	11	486	5.05

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-2 28,25-28,50	1	166	5	1	1.7	7	2	214	6.90	12293	6	6	<2	47	.2	4	3	2	2.85	.052	<1	13	.32	3	<.01	<3	.02	<.01	<.01	5	12992	4.00
KN-2 28,50-28,75	2	49	5	2	<.3	6	<1	202	3.01	1864	<5	<2	<2	47	<.2	<2	<2	7	2.59	.006	<1	12	.22	5	<.01	<3	.10	<.01	<.01	5	136	1.17
KN-2 28,75-29,00	1	41	5	1	<.3	5	<1	144	3.60	14330	<5	<2	<2	32	<.2	4	2	11	1.79	.007	<1	13	.24	3	<.01	<3	.14	<.01	<.01	5	1565	1.47
KN-2 29,00-29,25	2	23	5	1	<.3	5	1	190	2.46	981	<5	<2	<2	30	<.2	<2	<2	5	2.06	.006	<1	14	.46	2	<.01	<3	.08	<.01	<.01	5	10370	.53
KN-2 29,25-29,50	1	4	3	<1	<.3	4	<1	266	1.68	61	<5	<2	<2	33	<.2	<2	<2	2	2.44	.011	<1	12	.37	2	<.01	<3	.06	<.01	<.01	4	22	.04
KN-2 29,50-29,75	1	7	3	<1	<.3	4	<1	204	1.58	14	<5	<2	<2	30	<.2	<2	<2	4	2.06	.009	<1	11	.21	3	<.01	<3	.10	<.01	.02	4	50	.15
KN-2 29,75-30,00	1	33	3	<1	<.3	5	<1	63	2.59	9	<5	<2	<2	9	<.2	<2	<2	3	.61	.007	<1	14	.05	2	<.01	<3	.03	<.01	<.01	5	828	1.14
KN-2 30,00-30,25	1	4	4	<1	<.3	3	<1	222	1.25	4	<5	<2	<2	26	<.2	<2	<2	3	1.80	.014	<1	10	.30	2	<.01	<3	.07	<.01	.01	2	12	.06
KN-2 30,25-30,50	1	18	3	<1	<.3	4	<1	651	2.62	2	<5	<2	<2	40	<.2	<2	<2	1	3.40	.006	<1	12	1.11	4	<.01	<3	.05	<.01	.01	4	15	.39
KN-2 30,50-30,75	1	2	3	<1	.3	4	<1	367	1.67	2	<5	<2	<2	36	<.2	<2	<2	1	2.77	.021	1	10	.33	1	<.01	<3	.02	<.01	<.01	3	8	.14
KN-2 30,75-31,00	1	41	5	3	<.3	7	1	584	5.82	8427	<5	2	<2	59	<.2	23	<2	20	3.94	.018	1	13	.84	7	.01	<3	.11	<.01	.04	4	3770	2.14
KN-2 31,00-31,25	1	26	<3	6	<.3	5	<1	494	4.12	2236	<5	<2	<2	44	.2	5	<2	22	2.53	.005	<1	12	.87	13	.01	<3	.24	<.01	.07	3	1647	1.09
KN-2 31,25-31,50	1	8	<3	<1	<.3	4	<1	273	2.62	2034	<5	<2	<2	22	<.2	5	<2	2	1.55	.004	<1	10	.30	1	<.01	<3	.01	<.01	<.01	3	2476	.71
KN-2 31,50-31,75	1	33	3	4	<.3	3	<1	473	5.53	7559	6	3	<2	72	<.2	23	2	30	3.80	.009	<1	7	1.29	4	<.01	<3	.13	<.01	.02	2	5530	1.99
RE KN-2 31,50-31,75	1	34	<3	4	<.3	3	<1	481	5.64	7898	<5	3	<2	73	<.2	22	3	30	3.86	.009	<1	6	1.31	4	<.01	<3	.13	<.01	.02	2	5458	2.07
RRE KN-2 31,50-31,75	1	34	4	3	<.3	2	<1	483	5.56	7355	<5	3	<2	73	.2	20	<2	31	3.83	.009	<1	7	1.30	3	<.01	<3	.14	<.01	.02	2	5335	2.09
KN-2 31,75-32,00	2	58	3	4	.6	7	<1	354	5.93	14436	<5	15	<2	49	<.2	46	<2	24	2.15	.006	<1	14	.84	4	<.01	<3	.12	<.01	.01	5	14728	2.97
KN-2 32,00-32,25	1	34	<3	10	<.3	5	1	363	3.26	1914	<5	<2	<2	38	<.2	6	<2	42	2.22	.005	<1	13	.81	10	.01	<3	.31	<.01	.05	3	1219	1.04
KN-2 32,25-32,50	1	67	<3	58	<.3	29	19	1183	5.94	102	<5	<2	<2	66	.2	<2	2	147	6.32	.038	4	53	2.53	54	.13	<3	1.20	.04	.62	2	198	.63
KN-2 32,50-32,75	1	81	<3	94	<.3	42	36	1460	6.02	30	<5	<2	<2	52	.3	<2	<2	226	6.68	.072	7	69	2.94	110	.21	<3	1.75	.06	1.10	<2	20	.26
KN-2 32,75-33,00	1	20	<3	74	<.3	25	22	2037	5.66	13	<5	<2	<2	87	.4	<2	<2	204	11.52	.082	5	46	3.03	85	.16	<3	1.48	.05	.88	<2	12	.07
KN-2 33,00-33,25	1	116	<3	77	<.3	24	28	774	5.38	7	<5	<2	<2	20	<.2	<2	<2	183	4.26	.093	5	36	1.82	79	.18	<3	1.96	.09	.82	<2	12	.71
KN-2 33,25-33,50	2	61461	63	30	13.5	99999	2485	601	4.87	296	16	<2	2	8	7.9	<2	<2	2	.02	<.001	2	153	26.42	9	<.01	10	.08	.01	<.01	8	427	4.50
KN-3 5,75-6,00	28	32	11	40	.7	2399	96	748	4.68	4	9	2	2	169	<.2	<2	<2	15	.79	.030	11	159	23.67	181	<.01	<3	.23	.01	.05	<2	1788	.29
KN-3 6,00-7,00	1	99	<3	73	<.3	39	28	1120	5.14	2	<5	<2	<2	36	<.2	5	<2	108	5.82	.077	7	51	2.68	60	.12	<3	2.42	.08	.22	<2	11	.16
KN-3 7,00-8,00	<1	97	<3	61	<.3	37	27	956	4.43	<2	<5	<2	<2	26	<.2	<2	<2	117	4.88	.074	6	49	1.97	86	.14	<3	1.90	.11	.39	<2	5	.18
KN-3 8,00-9,00	1	70	<3	65	<.3	37	25	991	4.67	<2	<5	<2	<2	32	.2	2	<2	119	5.11	.075	7	48	2.10	115	.16	<3	2.09	.10	.57	<2	6	.08
KN-3 9,00-10,00	<1	118	<3	47	<.3	36	25	1152	3.72	<2	7	<2	<2	33	<.2	<2	<2	66	5.76	.062	6	39	1.74	56	.10	<3	1.33	.06	.33	<2	1	.22
RE KN-3 9,00-10,00	<1	118	<3	49	<.3	36	25	1216	3.85	<2	<5	<2	<2	35	<.2	3	<2	70	6.02	.065	7	41	1.81	60	.12	<3	1.41	.07	.32	<2	3	.20
RRE KN-3 9,00-10,00	<1	126	<3	51	<.3	37	26	1244	3.97	<2	<5	<2	<2	36	<.2	<2	<2	72	6.24	.066	7	41	1.86	62	.12	<3	1.45	.07	.33	<2	3	.17
KN-3 10,00-11,00	<1	112	<3	64	<.3	36	26	1022	4.66	<2	<5	<2	<2	33	<.2	<2	<2	96	5.22	.075	6	48	2.22	37	.13	<3	2.17	.10	.20	<2	3	.12
KN-3 11,00-12,00	1	143	<3	55	<.3	31	24	764	4.17	<2	<5	<2	<2	23	<.2	<2	<2	94	3.84	.067	6	43	1.80	27	.13	<3	1.89	.10	.15	<2	2	.25
KN-3 12,00-13,00	<1	102	<3	59	<.3	33	24	955	4.31	<2	<5	<2	<2	32	<.2	<2	<2	100	4.99	.078	6	44	2.03	37	.14	<3	1.93	.11	.21	<2	5	.12
KN-3 13,00-14,00	1	87	<3	41	<.3	32	20	913	3.27	<2	<5	<2	<2	37	<.2	<2	<2	90	4.92	.058	7	36	1.49	3	.12	<3	1.33	.14	.04	<2	2	.09
KN-3 14,00-15,00	<1	120	<3	58	<.3	33	26	1076	4.26	<2	<5	<2	<2	38	<.2	<2	<2	118	5.71	.058	6	37	1.86	50	.13	<3	1.69	.09	.37	<2	3	.17
KN-3 15,00-16,00	1	88	<3	86	<.3	41	32	1187	6.11	<2	<5	<2	<2	32	<.2	<2	<2	139	5.07	.071	6	56	3.10	41	.13	<3	2.90	.08	.33	<2	5	.12
KN-3 16,00-17,00	<1	111	<3	104	<.3	44	34	976	7.03	<2	7	<2	<2	34	.4	<2	<2	266	4.63	.060	6	71	2.71	227	.35	<3	3.43	.08	2.07	<2	2	.04
STANDARD C2/AU-R/CSA	21	66	39	144	6.7	80	37	1109	3.79	42	18	8	36	51	19.6	18	18	71	.53	.106	39	63	1.00	189	.07	27	1.95	.06	.12	10	492	5.03

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-3 17,00-18,00	1	61	<3	130	.3	33	27	1085	6.21	<2	<5	<2	<2	46	<.2	2	<2	225	5.69	.086	9	43	2.30	178	.30	<3	2.77	.09	1.59	<2	38	.08
KN-3 18,00-19,00	<1	57	<3	92	<.3	21	23	907	5.59	<2	<5	<2	<2	35	<.2	<2	<2	170	3.90	.126	14	10	2.16	122	.21	<3	2.42	.11	.88	<2	3	.19
KN-3 19,00-20,00	1	46	3	86	<.3	20	22	1049	5.33	<2	<5	<2	<2	38	<.2	6	<2	153	4.52	.135	13	8	2.06	114	.20	<3	2.22	.11	.72	<2	1	.19
KN-3 20,00-21,00	1	68	<3	76	<.3	22	25	748	4.70	<2	<5	<2	<2	33	<.2	4	<2	157	3.93	.130	14	8	1.66	94	.19	<3	1.87	.10	.62	<2	1	.27
KN-3 21,00-22,00	1	54	<3	82	<.3	22	25	634	4.72	<2	<5	<2	<2	25	.2	3	<2	174	3.34	.132	16	7	1.74	78	.21	<3	2.02	.12	.55	<2	<1	.20
KN-3 22,00-23,00	<1	65	<3	89	<.3	23	26	838	5.28	<2	<5	<2	<2	44	<.2	<2	<2	174	4.95	.126	14	7	1.96	76	.19	<3	2.21	.09	.54	<2	2	.32
KN-3 23,00-24,00	1	68	<3	91	<.3	23	27	795	5.32	<2	<5	<2	<2	35	<.2	2	<2	205	4.64	.119	14	8	1.73	157	.23	<3	2.16	.11	.97	<2	<1	.32
KN-3 24,00-25,00	2	95	<3	81	<.3	28	31	728	4.93	<2	<5	<2	<2	30	.2	4	<2	204	4.15	.124	15	8	1.54	86	.19	<3	1.92	.10	.48	<2	3	.38
KN-3 25,00-26,00	1	90	<3	93	<.3	24	30	1100	5.54	<2	6	<2	<2	42	.2	5	<2	193	6.16	.128	14	7	2.02	54	.15	<3	2.01	.08	.18	2	<1	.58
KN-3 26,00-27,00	1	19	<3	95	<.3	29	28	1652	5.86	<2	10	<2	<2	59	<.2	6	<2	200	8.02	.097	11	28	3.25	79	.12	<3	2.66	.05	.31	<2	2	.05
KN-3 27,00-28,00	1	172	<3	94	<.3	42	40	1140	6.03	5	<5	<2	<2	31	.3	8	<2	219	5.06	.105	11	51	2.35	149	.17	<3	2.53	.10	.53	<2	<1	.53
KN-3 28,00-29,00	1	54	<3	72	<.3	41	27	973	4.16	<2	<5	<2	<2	32	.3	<2	<2	121	5.11	.064	8	55	2.15	34	.14	<3	1.95	.08	.14	<2	3	.06
KN-3 29,00-30,00	1	92	<3	79	<.3	43	31	1377	6.00	2	<5	<2	<2	36	.2	2	<2	154	5.75	.067	9	52	2.46	89	.15	<3	2.52	.10	.34	<2	<1	.50
KN-3 30,00-31,00	<1	146	<3	90	<.3	46	33	1701	6.50	<2	<5	<2	<2	44	<.2	<2	<2	211	6.81	.066	10	65	1.96	174	.19	<3	2.37	.08	.87	<2	1	.73
RE KN-3 30,00-31,00	<1	144	<3	88	<.3	46	33	1733	6.49	2	5	<2	<2	44	.4	6	<2	212	6.87	.067	10	65	1.97	174	.19	<3	2.36	.07	.87	<2	2	.79
RRE KN-3 30,00-31,00	<1	147	<3	91	<.3	47	34	1745	6.63	<2	9	<2	<2	44	<.2	3	<2	217	6.96	.069	10	66	2.03	177	.19	<3	2.43	.08	.89	<2	1	.68
KN-3 31,00-32,00	<1	104	<3	86	<.3	53	37	1013	4.50	8	<5	<2	<2	20	<.2	3	<2	246	4.91	.083	9	76	1.96	158	.20	<3	1.87	.10	.69	<2	1	.14
KN-3 32,00-33,00	<1	79	<3	69	<.3	44	28	1185	4.66	<2	7	<2	<2	36	<.2	2	<2	128	6.21	.066	8	69	2.40	50	.11	<3	2.07	.09	.20	<2	1	.15
KN-3 33,00-34,00	1	110	<3	55	<.3	37	25	774	3.70	<2	<5	<2	<2	19	<.2	<2	<2	98	3.71	.058	7	36	1.62	3	.12	<3	1.70	.12	.03	<2	1	.20
KN-3 34,00-35,00	<1	96	<3	83	<.3	40	30	1273	5.66	<2	7	<2	<2	43	.3	3	<2	194	6.57	.067	8	59	2.40	73	.13	<3	2.47	.07	.22	<2	2	.26
KN-3 35,00-36,00	<1	82	<3	94	<.3	31	30	947	5.04	<2	<5	<2	2	31	<.2	2	<2	176	4.63	.145	15	30	1.91	100	.18	<3	1.95	.09	.46	<2	1	.39
KN-3 36,00-37,00	1	56	3	94	<.3	24	26	921	5.07	2	<5	<2	<2	35	.2	4	<2	174	4.73	.152	17	18	2.04	132	.20	<3	2.09	.10	.67	<2	1	.24
KN-3 37,00-38,00	<1	43	<3	95	<.3	25	26	1089	5.11	<2	<5	<2	<2	46	<.2	<2	<2	171	5.69	.151	16	16	2.09	150	.20	<3	2.08	.10	.74	<2	4	.16
KN-3 38,00-39,00	<1	51	<3	93	<.3	23	25	804	4.95	<2	<5	<2	<2	30	<.2	3	<2	159	3.92	.165	18	16	2.00	150	.20	<3	2.06	.10	.60	<2	5	.21
KN-3 39,00-40,00	<1	58	<3	92	<.3	23	24	908	5.12	2	<5	<2	<2	37	<.2	2	<2	153	4.60	.175	16	15	2.25	72	.17	<3	2.11	.10	.27	<2	6	.24
KN-3 40,00-41,00	<1	78	3	82	<.3	21	24	891	5.30	<2	<5	<2	<2	43	.2	4	<2	137	4.64	.172	15	14	2.12	43	.14	<3	2.11	.10	.16	<2	1	.41
KN-3 41,00-42,00	<1	18	<3	45	<.3	2	12	417	3.18	<2	<5	<2	<2	9	<.2	2	<2	85	1.34	.091	7	3	.60	8	.10	<3	1.45	.16	.10	<2	<1	.07
KN-3 42,00-43,00	1	28	<3	71	<.3	9	18	636	4.11	<2	<5	<2	<2	22	<.2	<2	<2	132	2.61	.103	10	11	1.37	62	.13	<3	1.89	.11	.21	<2	2	.11
KN-3 43,00-44,00	1	26	<3	58	<.3	4	16	631	3.73	231	<5	<2	<2	23	<.2	<2	<2	110	2.89	.083	6	8	.92	100	.11	<3	1.61	.11	.38	<2	73	.17
KN-3 44,00-45,00	<1	33	<3	50	<.3	1	18	423	3.27	<2	<5	<2	<2	20	<.2	<2	<2	79	2.34	.104	6	3	.64	111	.10	<3	1.31	.09	.31	<2	6	.27
RE KN-3 44,00-45,00	<1	36	<3	52	<.3	1	21	453	3.47	5	<5	<2	<2	21	<.2	<2	<2	83	2.47	.105	7	3	.68	117	.11	<3	1.38	.10	.33	<2	8	.29
RRE KN-3 44,00-45,00	<1	36	<3	52	<.3	1	19	451	3.44	5	<5	<2	<2	21	<.2	2	<2	83	2.48	.109	7	3	.68	116	.11	<3	1.37	.10	.33	<2	9	.29
KN-3 45,00-45,25	<1	144	<3	62	<.3	2	26	566	4.96	25	<5	<2	<2	17	<.2	<2	<2	121	2.38	.080	6	5	.86	135	.15	<3	1.59	.10	.57	<2	389	.94
KN-3 45,25-45,50	<1	156	<3	72	<.3	11	28	1133	5.59	391	<5	<2	<2	49	.2	<2	<2	158	5.78	.067	6	16	1.39	156	.17	<3	1.86	.06	.92	<2	108	.63
KN-3 45,50-45,75	<1	62	<3	72	<.3	6	21	1041	5.04	4342	14	2	<2	34	.2	3	<2	187	4.64	.068	3	8	1.35	129	.14	<3	1.66	.07	.89	<2	1212	.40
KN-3 45,75-46,00	<1	45	<3	73	<.3	7	24	959	5.60	4515	<5	<2	<2	28	.2	<2	<2	224	3.89	.068	3	5	1.37	106	.15	<3	1.81	.07	.88	<2	1450	.51
KN-3 46,00-46,25	<1	99	<3	78	<.3	6	26	554	5.95	1628	<5	<2	<2	14	<.2	5	<2	225	2.13	.104	4	5	1.46	142	.20	<3	2.20	.08	1.19	<2	469	.72
STANDARD C2/AU-R/CSA	21	62	39	149	6.9	74	37	1221	3.95	39	19	8	37	52	19.8	18	19	75	.57	.109	41	67	1.06	197	.09	28	2.10	.06	.13	10	483	4.97

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-3 46,25-46,50	1	43	<3	70	<.3	6	23	835	4.78	5057	<5	<2	<2	21	.6	7	<2	177	3.24	.098	4	5	1.24	86	.13	<3	1.68	.08	.78	2	748	.50
KN-3 46,50-46,75	1	59	<3	76	<.3	6	27	847	5.49	3608	5	<2	2	27	.6	2	<2	193	3.82	.098	4	5	1.33	104	.16	<3	1.92	.08	.96	<2	767	.42
KN-3 46,75-47,00	1	43	4	87	<.3	5	21	960	5.81	3574	<5	<2	2	29	.8	4	<2	189	3.80	.090	4	5	1.43	90	.12	<3	2.15	.06	.69	<2	528	.42
KN-3 47,00-47,25	<1	32	<3	50	<.3	5	19	483	3.76	181	<5	<2	<2	16	.5	6	<2	134	2.89	.099	3	4	.92	49	.12	<3	1.51	.09	.41	<2	47	.27
KN-3 47,25-47,50	<1	27	<3	47	<.3	5	19	789	5.22	6916	5	<2	2	50	.5	4	<2	130	6.11	.078	2	6	1.09	84	.11	<3	1.60	.05	.70	2	477	.61
KN-3 47,50-47,75	1	41	<3	2	<.3	5	1	310	2.75	57	<5	<2	<2	64	.2	2	<2	11	2.69	.014	1	10	.20	8	.01	<3	.23	<.01	.02	3	26	1.03
KN-3 47,75-48,00	1	25	<3	2	<.3	3	<1	156	1.82	84	5	<2	<2	38	<.2	3	<2	3	1.83	.011	<1	9	.09	2	<.01	<3	.03	<.01	.01	3	28	.65
KN-3 48,00-48,25	1	14	<3	2	<.3	3	<1	203	1.55	32	9	<2	<2	48	<.2	3	<2	2	2.48	.011	<1	9	.29	1	<.01	<3	.02	<.01	<.01	3	159	.19
KN-3 48,25-48,50	1	36	<3	4	<.3	4	<1	286	2.77	71	8	<2	<2	45	.2	3	<2	2	2.45	.007	<1	12	.69	1	<.01	<3	.03	<.01	<.01	4	80	.52
KN-3 48,50-48,75	1	35	<3	7	<.3	3	<1	497	3.36	30	<5	<2	<2	96	.3	4	<2	10	4.71	.011	<1	7	1.02	6	<.01	<3	.15	<.01	.01	2	480	.42
KN-3 48,75-49,00	<1	63	<3	2	2.3	3	<1	188	2.62	31	<5	5	<2	35	<.2	4	<2	5	1.49	.012	<1	6	.14	4	<.01	<3	.10	<.01	<.01	<2	466	1.06
RE KN-3 48,75-49,00	<1	66	<3	3	<.3	2	<1	177	2.56	18	<5	<2	<2	33	<.2	4	<2	5	1.43	.011	<1	5	.14	4	<.01	<3	.09	<.01	<.01	<2	901	1.09
RRE KN-3 48,75-49,00	<1	59	<3	2	<.3	3	<1	174	2.46	8	5	<2	<2	32	<.2	3	<2	4	1.40	.011	<1	6	.13	4	<.01	<3	.09	<.01	.01	<2	1312	1.10
KN-3 49,00-49,25	2	35	<3	83	<.3	40	28	1735	5.94	50	<5	<2	<2	79	.8	2	<2	253	7.94	.058	7	74	2.52	82	.18	<3	1.86	.05	.94	<2	228	.12
KN-3 49,25-49,50	<1	54	<3	76	<.3	15	29	1008	5.68	4389	<5	<2	<2	19	.4	5	<2	201	3.77	.091	5	23	1.61	93	.16	<3	2.04	.08	.96	<2	841	.44
KN-3 49,50-49,75	<1	45	<3	67	<.3	7	23	1104	5.14	443	<5	<2	<2	35	.7	<2	<2	191	5.45	.086	3	6	1.23	91	.17	<3	1.95	.09	.87	2	552	.30
KN-3 49,75-50,00	<1	69	<3	86	<.3	33	36	1429	6.20	1513	<5	<2	<2	57	.9	5	<2	254	6.76	.067	6	57	2.36	103	.18	<3	1.97	.07	1.10	2	96	.23
KN-3 50,00-50,25	<1	62	<3	77	<.3	11	25	758	5.60	2943	<5	<2	<2	18	.6	6	<2	225	2.83	.076	3	14	1.46	101	.16	<3	2.02	.07	.98	<2	367	.59
KN-3 50,25-50,50	<1	60	3	105	<.3	9	30	1089	7.78	5261	<5	<2	<2	27	.6	<2	<2	328	3.97	.072	3	5	1.85	147	.21	<3	2.74	.07	1.34	<2	1281	.71
KN-3 50,50-50,75	<1	46	<3	110	<.3	8	29	1147	7.32	6590	5	<2	2	31	.7	5	<2	278	4.61	.073	3	5	1.71	131	.20	<3	2.63	.06	1.31	<2	1358	.68
KN-3 50,75-51,00	<1	61	<3	94	<.3	8	29	816	6.86	752	<5	<2	<2	18	.5	<2	<2	266	2.99	.067	3	5	1.64	143	.23	<3	2.50	.07	1.35	<2	337	.55
KN-3 51,00-51,25	1	274	<3	81	.7	14	26	1869	6.46	6618	<5	4	2	29	.4	2	2	182	4.01	.082	7	14	1.54	97	.15	<3	1.82	.06	.90	<2	2324	1.06
KN-3 51,25-51,50	5	424	<3	91	.5	60	38	4877	7.74	40	<5	<2	2	58	.9	3	3	162	7.43	.039	13	51	2.49	32	.09	<3	1.61	.03	.29	<2	22	1.72
KN-3 51,50-51,75	<1	54	<3	110	<.3	40	29	2235	6.54	33	<5	<2	<2	101	.8	4	<2	237	12.90	.065	8	69	3.13	46	.10	<3	2.70	.03	.35	2	12	.06
KN-3 51,75-52,00	<1	96	<3	111	<.3	42	33	1094	6.38	40	<5	<2	<2	26	.8	9	<2	225	4.23	.077	9	66	2.58	49	.12	<3	2.89	.06	.37	<2	3	.24
RE KN-3 51,75-52,00	1	93	3	109	<.3	41	31	1085	6.28	25	<5	<2	<2	25	.5	<2	<2	219	4.16	.076	9	65	2.53	47	.12	<3	2.84	.06	.35	<2	6	.26
RRE KN-3 51,75-52,00	<1	88	<3	106	<.3	39	28	1028	6.04	22	<5	<2	<2	24	.6	7	<2	212	3.99	.073	8	63	2.45	46	.11	<3	2.73	.05	.34	<2	11	.24
KN-3 52,00-52,25	4	321	<3	104	.4	62	38	6162	8.42	28	<5	<2	3	74	.9	<2	<2	190	8.19	.041	14	66	2.40	87	.11	<3	1.56	.03	.52	<2	6	2.42
KN-3 52,25-52,50	3	296	<3	125	.3	51	35	3239	8.88	6	<5	<2	2	35	.8	<2	<2	236	4.69	.063	11	66	2.66	127	.19	<3	2.08	.04	.98	<2	4	2.27
KN-3 52,50-52,75	<1	93	<3	130	<.3	53	41	2028	7.61	17	<5	<2	<2	38	.7	2	<2	325	5.43	.067	8	94	3.31	153	.25	<3	2.78	.06	1.39	<2	6	.41
KN-3 52,75-53,00	1	259	<3	93	<.3	47	39	1313	6.76	272	<5	<2	<2	37	.6	4	<2	245	5.62	.064	9	83	2.67	107	.18	<3	2.51	.07	.97	<2	112	.51
KN-3 53,00-53,25	1	59	<3	17	<.3	7	6	276	3.07	469	<5	<2	<2	29	.2	4	<2	61	1.86	.035	3	13	.50	25	.05	<3	.47	.01	.20	2	407	.59
KN-3 53,25-53,50	1	90	5	24	<.3	4	2	592	3.61	663	<5	<2	<2	44	.2	3	<2	35	3.18	.014	<1	13	.77	12	.02	<3	.54	.01	.10	3	513	.88
KN-3 53,50-53,75	1	124	<3	20	.4	5	2	368	4.69	5222	11	<2	<2	25	.2	3	<2	36	1.66	.015	<1	14	.52	4	<.01	<3	.56	.01	.03	4	708	1.79
KN-3 53,75-54,00	1	83	<3	15	<.3	8	2	788	5.53	16734	6	<2	<2	61	.3	5	<2	37	3.49	.007	<1	16	.92	7	.01	<3	.37	<.01	.06	4	998	1.79
KN-3 54,00-54,25	1	71	<3	81	<.3	37	35	1527	6.40	2226	7	<2	<2	63	.7	5	<2	254	7.14	.076	6	62	2.66	86	.16	<3	1.74	.06	.95	2	23	.40
KN-3 54,25-54,50	<1	88	<3	103	<.3	50	40	1433	6.73	880	<5	<2	<2	57	.5	<2	<2	271	6.71	.060	6	77	3.13	80	.18	<3	1.80	.06	1.08	<2	8	.53
STANDARD C2/AU-R/CSA	20	59	38	142	6.7	70	35	1133	3.77	40	15	7	36	51	19.6	13	20	71	.53	.105	38	62	.99	191	.08	27	1.97	.06	.13	9	485	4.98

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	TOT/S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	%
KN-3 54,50-54,75	<1	119	<3	99	<.3	47	41	1138	6.30	5539	9	<2	<2	58	.8	<2	2	273	5.19	.057	7	74	2.59	94	.17	<3	1.57	.07	1.20	<2	24	.97
KN-3 54,75-55,00	<1	106	<3	88	<.3	36	34	1043	5.66	1794	9	<2	<2	45	.8	4	<2	220	5.41	.070	6	56	2.68	88	.16	<3	1.76	.08	1.03	<2	11	.50
KN-5 61,75-62,00	1	83	<3	88	<.3	13	29	635	5.78	13715	5	<2	<2	22	.8	10	<2	175	2.66	.161	6	19	1.55	128	.11	27	1.75	.09	.68	1412	1934	1.20
KN-5 62,00-62,25	1	49	<3	55	<.3	8	18	349	4.23	9738	6	<2	<2	13	.2	<2	2	152	1.30	.066	1	9	.90	137	.12	19	1.32	.07	.72	1422	602	.85
KN-5 62,25-62,50	<1	47	3	66	<.3	7	30	759	4.63	1712	<5	<2	<2	18	.5	2	<2	199	3.06	.052	3	4	1.12	184	.15	<3	1.75	.12	.82	12	365	.45
KN-5 62,50-62,75	<1	88	<3	83	.3	8	29	1084	6.00	15245	7	3	<2	30	.8	<2	<2	205	4.18	.051	3	5	1.47	191	.15	<3	1.71	.09	1.01	7	2808	1.30
KN-5 62,75-63,00	1	110	<3	68	<.3	34	27	946	4.93	87	<5	<2	<2	42	.5	<2	<2	130	4.56	.074	7	35	1.97	30	.10	<3	1.72	.08	.17	3	9	.45
KN-5 63,00-63,25	1	197	<3	64	<.3	37	32	886	4.77	30	<5	<2	2	37	.5	<2	<2	119	4.44	.087	8	33	1.73	24	.11	<3	1.66	.11	.08	2	18	.59
KN-5 63,25-63,50	1	116	<3	66	<.3	36	27	889	4.64	17	<5	<2	<2	31	.5	2	<2	126	3.85	.068	8	36	1.94	3	.11	<3	1.85	.11	.01	2	2	.34
KN-5 63,50-63,75	1	102	4	63	<.3	42	36	957	3.82	25	<5	<2	<2	38	.4	4	<2	99	4.83	.066	8	38	1.87	3	.10	<3	1.42	.08	<.01	2	7	.23
RE KN-5 63,50-63,75	<1	107	<3	67	<.3	43	32	1009	4.05	16	<5	<2	<2	40	.5	3	<2	105	5.13	.068	8	40	1.99	3	.11	<3	1.52	.08	.01	<2	1	.21
RRE KN-5 63,50-63,75	1	105	<3	65	<.3	42	30	1017	4.06	12	<5	<2	<2	40	.4	<2	<2	106	5.12	.068	8	39	1.97	3	.11	<3	1.52	.09	<.01	<2	6	.25
KN-5 63,75-64,00	<1	91	<3	86	<.3	36	33	1249	5.37	62	<5	<2	<2	42	.6	<2	<2	132	5.59	.075	9	39	2.66	53	.11	<3	2.07	.08	.20	<2	9	.20
KN-5 64,00-64,25	<1	130	<3	71	<.3	20	31	1046	5.18	1496	5	<2	2	41	.7	<2	<2	150	5.08	.086	6	23	1.82	168	.14	<3	1.76	.10	.73	2	61	.56
KN-5 64,25-64,50	<1	71	3	72	<.3	8	31	1576	6.26	14773	8	<2	<2	97	1.1	<2	<2	200	9.47	.067	3	7	1.54	245	.14	<3	1.61	.05	.91	34	752	1.18
KN-5 64,50-64,75	1	109	<3	109	<.3	33	31	989	5.91	176	5	<2	2	49	.7	<2	<2	231	5.73	.077	6	41	2.24	159	.16	<3	2.27	.08	.72	2	191	.45
KN-5 64,75-65,00	<1	108	<3	91	<.3	35	38	1186	5.58	194	<5	<2	<2	49	.7	<2	<2	206	6.53	.082	7	44	2.26	187	.18	<3	1.94	.09	.84	2	26	.47
KN-5 65,00-65,25	<1	113	<3	55	<.3	10	32	718	5.08	5551	<5	<2	<2	39	.3	<2	<2	175	3.75	.037	3	4	1.09	120	.09	<3	1.39	.08	.46	<2	381	1.28
KN-5 65,25-65,50	1	69	<3	66	<.3	19	30	563	4.59	263	<5	<2	<2	16	.2	2	<2	176	2.40	.065	5	19	1.45	194	.17	<3	1.84	.11	.81	<2	101	.49
KN-5 73,75-74,00	11	181	<3	503	.6	121	49	1066	7.99	20	<5	<2	3	31	2.8	<2	<2	317	3.87	.076	18	67	2.88	119	.19	<3	2.11	.05	.71	<2	2	2.66
KN-5 74,00-74,25	26	248	3	569	.7	176	42	1129	8.85	6	12	<2	4	24	7.7	<2	<2	286	3.39	.066	19	78	2.07	52	.10	<3	1.32	.03	.23	<2	3	4.03
KN-5 74,25-74,50	23	344	4	366	.9	176	45	1803	9.09	2	10	<2	4	28	4.1	<2	<2	266	3.82	.055	13	74	2.26	60	.10	<3	1.21	.03	.27	<2	8	4.40
RE KN-5 74,25-74,50	23	364	5	385	1.0	183	48	1896	9.41	15	14	<2	4	29	4.2	2	4	275	3.95	.057	14	77	2.33	64	.10	<3	1.25	.03	.28	<2	7	4.53
RRE KN-5 74,25-74,50	23	373	<3	377	1.0	178	45	1931	9.22	<2	10	<2	3	30	4.3	2	<2	281	4.08	.056	13	81	2.33	63	.10	<3	1.25	.03	.27	2	8	4.47
KN-5 74,50-74,75	19	222	<3	255	.6	105	34	651	5.36	<2	5	<2	5	21	1.6	<2	<2	157	2.94	.120	20	75	1.57	80	.11	<3	1.00	.05	.39	<2	3	2.26
KN-5 74,75-75,00	4	125	<3	225	.5	53	37	1126	5.29	<2	<5	<2	3	31	1.8	<2	<2	134	5.18	.057	15	21	2.14	80	.14	<3	1.20	.06	.35	<2	<1	1.61
KN-5 75,00-75,25	1	71	<3	158	<.3	35	43	1021	5.93	<2	<5	<2	3	30	1.6	<2	<2	182	4.35	.060	16	20	2.63	211	.21	<3	1.61	.07	.89	<2	2	1.64
STANDARD C2/AU-R/CSA	22	63	39	150	7.2	73	37	1212	3.96	41	15	8	38	54	20.7	23	19	75	.55	.106	40	66	1.04	202	.09	29	2.10	.06	.14	12	495	5.13

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-6 16,75-17,00	4	13936	54	179	5.2	16953	462	757	9.39	14	<5	<2	3	10	4.5	<2	<2	10	.09	<.001	2	436	29.39	15	.01	<3	.22	.01	.02	<2	211	3.44
KN-6 17,00-17,25	1	105	3	100	<.3	52	34	1326	6.27	<2	9	<2	2	34	.5	4	<2	239	6.46	.075	8	90	2.95	75	.13	<3	2.61	.06	.49	<2	2	.13
KN-6 17,25-17,50	1	209	<3	77	<.3	78	31	987	4.56	<2	<5	<2	2	24	.2	<2	<2	158	5.27	.062	8	63	2.12	42	.13	<3	1.93	.09	.26	<2	1	.26
KN-6 17,50-17,75	1	91	<3	82	<.3	41	28	895	5.21	<2	<5	<2	<2	19	.2	5	<2	173	4.00	.069	8	66	2.46	64	.13	<3	2.43	.08	.34	<2	1	.17
KN-6 17,75-18,00	1	102	<3	54	<.3	35	23	838	3.62	<2	11	<2	<2	19	<.2	<2	<2	110	4.31	.062	8	48	1.70	20	.11	<3	1.59	.09	.13	<2	3	.11
KN-6 18,00-18,25	1	113	<3	56	<.3	35	25	962	3.77	<2	<5	<2	<2	23	<.2	3	<2	124	5.33	.058	8	45	1.45	16	.11	<3	1.54	.09	.09	<2	1	.22
KN-6 18,25-18,50	1	70	<3	66	<.3	38	25	688	4.06	<2	5	<2	<2	17	<.2	<2	<2	126	3.43	.068	9	54	1.84	14	.12	<3	2.04	.10	.09	<2	3	.10
KN-6 18,50-18,75	1	128	<3	66	<.3	40	26	1135	4.47	<2	<5	<2	<2	25	.2	3	<2	126	5.06	.062	9	59	2.09	7	.11	<3	1.95	.09	.04	<2	4	.22
KN-6 18,75-19,00	1	206	<3	74	.7	43	29	1302	4.93	<2	<5	<2	<2	28	<.2	3	<2	140	5.64	.059	8	59	2.30	8	.12	<3	2.20	.10	.04	<2	16	.20
KN-6 19,00-19,25	1	79	<3	80	.3	48	29	1125	4.86	<2	<5	<2	2	25	<.2	2	<2	169	5.29	.061	8	88	2.49	63	.15	<3	2.14	.09	.38	<2	11	.02
KN-6 19,25-19,50	1	122	<3	53	<.3	39	21	1087	4.10	<2	10	<2	<2	31	<.2	3	<2	100	4.64	.038	8	70	1.89	22	.10	<3	1.55	.07	.15	2	3	.29
KN-6 19,50-19,75	2	21	4	7	<.3	6	1	487	1.60	2	7	<2	2	38	<.2	<2	<2	9	2.62	.008	4	19	.59	18	.02	<3	.31	.02	.04	6	2	.07
KN-6 19,75-20,00	1	15	3	6	<.3	3	<1	216	.80	<2	8	<2	<2	31	<.2	2	<2	3	2.01	.008	<1	10	.20	4	<.01	<3	.05	.01	.01	2	8	.05
KN-6 20,00-20,25	1	98	<3	7	<.3	5	1	130	2.13	<2	6	<2	<2	21	<.2	2	<2	9	1.26	.009	<1	12	.09	5	<.01	<3	.16	.01	<.01	4	88	.80
RE KN-6 20,00-20,25	1	95	<3	10	.3	4	1	125	2.05	<2	<5	<2	<2	21	<.2	3	<2	9	1.22	.009	<1	12	.08	5	<.01	<3	.15	.01	<.01	3	189	.77
RRE KN-6 20,00-20,25	1	84	<3	4	<.3	4	1	114	1.96	<2	<5	<2	<2	20	<.2	<2	<2	8	1.17	.009	<1	11	.07	4	<.01	<3	.13	.01	<.01	2	93	.80
KN-6 20,25-20,50	1	14	<3	5	<.3	2	<1	172	1.09	<2	6	<2	<2	22	<.2	3	<2	2	1.58	.006	<1	9	.11	1	<.01	<3	.02	<.01	<.01	3	697	.25
KN-6 20,50-20,75	2	54	<3	47	<.3	21	12	691	3.88	<2	<5	<2	2	42	<.2	<2	<2	117	4.42	.046	5	38	1.35	61	.13	<3	1.21	.05	.43	<2	8	.55
KN-6 20,75-21,00	2	172	<3	180	<.3	58	46	1962	7.93	<2	7	<2	<2	47	.9	2	<2	304	8.21	.075	10	83	3.71	145	.21	<3	3.55	.07	1.01	<2	3	.52
KN-6 21,00-21,25	2	95	<3	165	<.3	60	38	1322	7.79	6	9	<2	2	35	.6	<2	<2	327	5.15	.087	9	99	3.31	138	.22	<3	3.71	.05	.91	<2	2	.36
KN-6 21,25-21,50	<1	57	<3	128	<.3	47	20	1411	8.08	<2	10	<2	2	39	.5	8	<2	232	5.26	.042	6	101	3.33	27	.09	<3	3.94	.04	.19	<2	2	.41
KN-6 21,50-21,75	1	71	5	12	<.3	6	3	642	2.63	<2	15	<2	<2	78	<.2	<2	<2	25	5.52	.009	<1	12	.50	5	.01	<3	.46	.01	.03	3	4	.68
KN-6 21,75-22,00	1	73	4	14	<.3	5	4	486	2.46	<2	6	<2	<2	84	<.2	<2	<2	36	5.50	.012	<1	12	.64	8	.01	<3	.63	.01	.04	2	4	.44
KN-6 22,00-22,25	1	136	4	11	.4	6	4	476	2.74	<2	6	<2	2	53	<.2	<2	<2	12	3.77	.009	<1	16	.29	4	<.01	<3	.22	<.01	.01	4	6	.94
KN-6 22,25-22,50	1	239	<3	13	<.3	9	10	198	4.53	<2	10	<2	<2	24	<.2	<2	<2	13	1.71	.015	<1	14	.16	3	<.01	<3	.22	.01	.01	3	5	2.27
KN-6 22,50-22,75	1	133	<3	3	<.3	6	4	172	3.09	<2	<5	<2	<2	33	<.2	3	<2	4	2.25	.017	<1	17	.10	2	<.01	<3	.07	<.01	<.01	3	135	1.26
KN-6 22,75-23,00	1	35	4	5	.3	4	1	411	1.53	<2	11	<2	<2	51	<.2	<2	<2	7	4.16	.011	1	12	.30	7	<.01	<3	.11	.01	.02	3	10	.35
KN-6 23,00-23,25	1	18	5	6	<.3	4	<1	448	1.78	<2	9	<2	<2	53	<.2	<2	<2	6	5.52	.014	1	11	1.05	2	<.01	<3	.05	<.01	<.01	3	3	.11
KN-6 23,25-23,50	1	18	<3	5	<.3	3	<1	169	1.05	2	7	<2	<2	34	<.2	2	<2	2	2.60	.008	<1	10	.15	2	<.01	<3	.03	<.01	<.01	2	14	.21
KN-6 23,50-23,75	4	200	<3	57	.4	25	16	1284	5.30	2	5	<2	2	65	.5	3	<2	97	6.91	.028	6	36	1.53	35	.07	<3	1.35	.05	.21	3	14	1.27
RE KN-6 23,50-23,75	4	204	5	58	<.3	24	15	1275	5.30	<2	<5	<2	2	65	.4	<2	<2	97	6.87	.028	6	35	1.53	36	.07	<3	1.36	.05	.21	2	22	1.28
RRE KN-6 23,50-23,75	3	214	<3	57	.5	24	16	1323	5.19	2	6	<2	2	67	.5	4	<2	98	7.12	.027	7	34	1.51	39	.07	<3	1.31	.04	.24	3	28	1.30
KN-6 23,75-24,00	3	253	<3	123	<.3	80	59	1397	7.31	<2	<5	<2	2	53	.6	3	<2	267	6.47	.097	12	95	2.61	180	.25	<3	2.73	.09	1.23	<2	4	1.27
KN-6 24,00-24,25	1	215	<3	119	<.3	58	44	785	6.98	<2	<5	<2	<2	22	.4	6	2	265	3.34	.117	10	87	3.23	132	.18	<3	3.64	.09	.61	<2	<1	.38
KN-6 24,25-24,50	1	80	<3	105	<.3	47	36	1004	6.02	<2	<5	<2	<2	34	.3	2	<2	224	5.05	.092	9	73	2.86	90	.16	<3	2.85	.07	.48	<2	2	.23
KN-6 24,50-24,75	1	113	<3	104	<.3	51	40	1191	6.44	2	<5	<2	<2	43	.6	6	2	233	6.26	.101	10	77	2.99	96	.15	<3	2.97	.08	.52	<2	1	.35
KN-6 24,75-25,00	<1	130	<3	93	<.3	48	36	1277	5.55	<2	<5	<2	<2	40	.4	4	2	178	7.20	.067	8	65	2.67	42	.12	<3	2.62	.07	.24	<2	4	.21
STANDARD C2/AU-R/CSA	22	66	40	155	7.2	76	38	1241	3.97	43	16	10	39	54	21.1	23	21	77	.57	.108	43	66	1.06	210	.08	28	2.10	.07	.14	11	486	5.05

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-6 25,00-25,25	1	143	<3	104	<.3	50	39	906	5.60	<2	6	<2	<2	21	.7	6	2	231	4.05	.076	7	72	2.78	121	.18	<3	2.57	.07	.74	<2	3	.14
KN-6 25,25-25,50	1	107	<3	97	<.3	43	33	1209	5.31	<2	<5	<2	2	39	.6	3	<2	219	6.79	.092	7	69	2.77	104	.16	<3	2.31	.06	.60	<2	2	.08
KN-6 25,50-25,75	1	274	<3	107	<.3	53	43	925	6.33	<2	8	<2	<2	28	.6	6	<2	252	4.62	.075	8	80	3.06	70	.14	<3	3.02	.06	.40	<2	4	.27
KN-6 25,75-26,00	1	123	<3	89	<.3	49	37	1045	5.31	<2	<5	<2	<2	32	.6	10	<2	190	5.98	.076	8	65	2.53	26	.11	<3	2.53	.06	.14	2	4	.16
KN-7 24,75-25,00	<1	11	<3	23	<.3	3365	121	738	5.05	2	<5	<2	<2	9	.4	<2	4	4	.02	.004	2	173	28.17	12	<.01	<3	.10	.01	<.01	<2	2	.09
KN-7 25,00-25,25	<1	170	<3	67	<.3	42	33	1000	5.03	<2	9	<2	2	38	.2	4	<2	111	5.67	.065	8	48	2.10	21	.10	<3	2.09	.08	.14	<2	<1	.51
KN-7 25,25-25,50	1	85	<3	108	<.3	50	34	1191	6.83	2	6	<2	<2	63	.7	7	2	215	6.71	.071	9	78	3.34	73	.13	<3	3.57	.06	.48	2	4	.08
KN-7 25,50-25,75	<1	202	<3	78	<.3	36	28	1489	5.80	4	6	<2	2	49	.7	8	<2	145	7.36	.056	8	52	2.69	31	.11	<3	2.28	.07	.21	2	1	.43
KN-7 25,75-26,00	<1	95	<3	80	<.3	38	29	1352	5.25	<2	8	<2	2	37	.6	6	2	166	6.60	.061	9	58	2.66	46	.12	<3	2.14	.07	.33	<2	<1	.13
KN-7 26,00-26,25	1	90	<3	70	<.3	38	25	965	4.44	<2	<5	<2	2	27	.3	5	2	141	4.62	.067	10	54	2.20	31	.13	<3	2.01	.10	.21	<2	<1	.11
KN-7 26,25-26,50	1	44	<3	67	<.3	35	23	1037	4.46	<2	<5	<2	2	30	.5	3	<2	136	4.88	.065	9	53	2.26	21	.12	<3	1.99	.09	.14	2	8	.03
KN-7 26,50-26,75	2	36	<3	86	<.3	41	28	1332	5.40	<2	<5	<2	2	39	.5	4	<2	177	5.95	.069	9	73	2.89	44	.13	<3	2.43	.08	.29	<2	5	.02
KN-7 26,75-27,00	1	14	<3	76	<.3	34	24	908	4.55	<2	<5	<2	<2	30	.3	6	<2	140	4.45	.074	10	58	2.38	44	.14	<3	2.32	.10	.29	2	2	.02
RE KN-7 26,75-27,00	1	12	<3	71	<.3	32	22	849	4.32	<2	6	<2	2	28	.4	2	<2	132	4.15	.071	8	55	2.26	41	.13	<3	2.18	.09	.29	<2	<1	.02
RRE KN-7 26,75-27,00	1	10	<3	72	<.3	34	24	851	4.43	2	<5	<2	<2	28	.5	7	<2	138	4.12	.071	9	58	2.31	46	.14	<3	2.26	.10	.31	2	3	<.01
KN-7 27,00-27,25	<1	51	<3	59	<.3	10	8	442	4.24	<2	<5	<2	<2	25	.4	5	<2	132	2.55	.055	7	10	1.04	153	.17	<3	1.59	.06	.71	2	6	.34
KN-7 27,25-27,50	1	86	<3	11	<.3	12	5	444	2.27	<2	6	<2	<2	36	<.2	<2	<2	20	2.08	.010	2	16	.27	2	.01	<3	.35	.01	.01	4	1	.62
KN-7 27,50-27,75	1	74	<3	64	<.3	36	25	660	5.43	<2	7	<2	<2	24	.6	6	<2	154	2.75	.083	10	62	1.91	75	.15	<3	2.44	.10	.48	<2	2	.27
KN-7 27,75-28,00	1	92	3	83	<.3	37	27	1328	5.75	<2	<5	<2	2	45	.4	5	<2	171	5.58	.073	9	59	2.41	82	.15	<3	2.56	.11	.49	2	<1	.11
KN-7 28,00-28,25	1	79	<3	92	<.3	40	31	1059	5.52	<2	<5	<2	<2	21	.5	7	<2	321	4.00	.075	10	92	2.18	139	.21	<3	2.18	.08	1.02	2	5	.11
KN-7 28,25-28,50	1	78	<3	78	<.3	38	29	1080	4.60	<2	<5	<2	<2	24	.4	4	<2	237	4.83	.073	9	73	1.90	73	.17	<3	1.73	.09	.53	2	<1	.15
KN-7 28,50-28,75	1	52	<3	94	<.3	42	31	1087	5.46	<2	<5	<2	2	29	.3	6	<2	193	4.85	.081	10	70	2.74	30	.12	<3	2.59	.08	.21	<2	1	.07
KN-7 28,75-29,00	<1	161	<3	100	<.3	53	39	1187	6.84	<2	6	<2	2	32	.6	2	<2	199	4.60	.078	10	77	2.95	78	.15	<3	3.28	.09	.48	<2	2	.49
KN-7 29,00-29,25	1	74	3	17	<.3	12	7	582	1.95	<2	<5	<2	<2	34	.2	<2	<2	29	2.58	.017	4	18	.39	14	.03	<3	.40	.02	.10	3	5	.55
KN-7 29,25-29,50	1	51	6	19	<.3	9	5	910	3.62	2	11	<2	<2	53	.2	3	<2	30	4.84	.025	2	20	1.66	4	.02	<3	.45	.01	.02	3	641	.74
KN-7 29,50-29,75	<1	127	<3	74	<.3	41	27	1555	6.37	<2	13	<2	2	60	.9	11	<2	144	6.69	.069	7	60	2.99	55	.11	<3	2.37	.06	.37	2	6	.55
KN-7 29,75-30,00	<1	115	3	78	<.3	45	35	1049	5.61	2	<5	<2	2	44	.3	5	<2	147	5.68	.099	8	53	2.61	79	.15	<3	2.44	.08	.54	<2	8	.49
RE KN-7 29,75-30,00	<1	109	<3	75	<.3	43	33	1004	5.42	<2	<5	<2	<2	42	.4	4	<2	142	5.47	.095	8	51	2.52	76	.15	<3	2.35	.08	.52	<2	2	.47
RRE KN-7 29,75-30,00	<1	121	4	75	<.3	45	35	1020	5.54	<2	<5	<2	2	42	.6	4	<2	140	5.50	.095	9	54	2.56	80	.15	<3	2.37	.08	.54	<2	3	.53
KN-7 30,00-30,25	<1	102	<3	97	<.3	47	39	1355	6.57	<2	<5	<2	<2	68	.5	8	2	193	7.38	.105	9	64	3.30	118	.17	<3	3.17	.08	.74	<2	4	.29
KN-7 30,25-30,50	<1	145	<3	87	<.3	52	38	968	5.03	<2	<5	<2	2	29	.3	6	<2	250	4.95	.090	9	80	2.13	139	.20	<3	1.98	.08	.96	<2	4	.40
KN-7 30,50-30,75	<1	111	<3	72	<.3	41	32	781	4.49	<2	<5	<2	2	29	.3	6	<2	160	4.53	.107	10	56	1.88	49	.14	<3	1.91	.09	.32	<2	1	.33
KN-7 30,75-31,00	<1	28	<3	95	<.3	36	28	1058	5.54	<2	<5	<2	2	35	.5	4	<2	169	5.31	.091	9	62	2.91	31	.12	<3	2.63	.07	.18	<2	2	.06
KN-9 17,00-17,25	<1	50	<3	85	<.3	21	36	1470	5.87	8298	<5	<2	2	43	.7	8	<2	162	6.23	.091	7	31	1.85	126	.12	<3	1.86	.08	.75	2	476	.54
KN-9 17,25-17,50	1	80	<3	72	<.3	20	26	1123	5.02	1892	<5	<2	2	31	.5	10	<2	173	5.03	.085	6	29	1.81	101	.12	<3	1.76	.08	.67	3	474	.22
KN-9 17,50-17,75	<1	82	<3	62	<.3	7	27	832	4.68	350	<5	<2	2	26	.3	4	<2	194	4.39	.063	3	4	1.13	96	.14	<3	1.74	.13	.58	<2	258	.40
KN-9 17,75-18,00	<1	88	<3	71	<.3	23	29	937	5.10	118	6	<2	2	40	.3	4	<2	174	4.92	.083	5	30	2.01	98	.16	<3	1.97	.09	.72	<2	106	.27
STANDARD C2/AU-R/CSA	22	63	42	149	6.9	74	37	1164	3.90	40	16	8	38	52	19.9	15	21	75	.54	.107	40	66	1.02	196	.08	26	2.01	.06	.13	9	474	5.05

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Au**	TOT/S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppb	%
KN-9 18,00-18,25	<1	50	<3	81	<.3	38	35	1233	5.35	128	<5	<2	<2	46	.3	<2	2	179	5.83	.061	7	55	2.86	100	.14	<3	2.23	.07	.71	<2	1621	13	.01
KN-9 18,25-18,50	<1	11	<3	98	<.3	38	33	1032	6.24	<2	<5	<2	<2	30	<.2	<2	2	176	4.12	.085	7	53	3.60	76	.13	<3	3.30	.07	.50	<2	5	-	<.01
KN-9 18,50-18,75	<1	12	4	105	<.3	40	37	863	6.62	6	<5	<2	<2	24	.4	2	<2	174	3.13	.075	6	56	3.76	31	.10	<3	3.83	.06	.21	<2	6	-	<.01
KN-9 18,75-19,25	<1	9	<3	76	<.3	32	34	683	4.78	122	<5	<2	<2	24	.2	2	2	140	3.12	.090	8	48	2.62	30	.10	<3	2.45	.09	.22	<2	1	-	.02
KN-9 19,00-19,25	<1	45	<3	108	<.3	45	43	1104	6.96	203	<5	<2	<2	44	.4	2	<2	237	4.88	.058	6	72	3.38	86	.12	<3	3.73	.05	.58	<2	3	-	.07
KN-9 19,25-19,50	2	76	<3	84	<.3	28	24	2785	6.94	161	<5	<2	2	92	.6	<2	<2	196	12.62	.050	4	46	4.11	70	.08	<3	1.92	.02	.45	<2	7	-	.18
KN-9 19,50-19,75	7	180	<3	50	<.3	29	18	5506	5.55	9	<5	<2	4	62	.5	3	2	49	8.71	.013	4	40	3.45	10	.02	<3	.48	.01	.04	2	10	-	1.50
KN-9 19,75-20,00	8	216	<3	63	<.3	54	34	8095	8.01	11	5	<2	5	54	.4	<2	2	60	7.04	.010	4	35	3.15	56	.05	<3	.60	.01	.30	2	8	-	3.34
KN-9 20,00-20,25	7	130	3	54	<.3	45	47	6100	6.96	6	6	<2	4	69	.2	<2	2	65	7.59	.012	3	41	3.02	49	.04	<3	.56	.01	.22	2	7	-	3.29
KN-9 20,25-20,50	2	43	<3	26	1.0	7	4	2680	4.14	7	<5	3	<2	80	<.2	2	<2	23	7.23	.011	3	15	1.96	2	<.01	<3	.48	<.01	<.01	2	2061	-	.77
KN-9 20,50-20,75	2	46	<3	86	<.3	14	11	659	6.54	16	<5	<2	<2	31	.2	3	<2	173	2.83	.089	4	25	1.77	44	.13	<3	2.24	.01	.43	2	199	-	.60
RE KN-9 20,50-20,75	1	50	<3	92	<.3	14	12	700	7.08	11	<5	<2	2	33	<.2	<2	<2	184	3.00	.095	5	27	1.88	47	.14	<3	2.38	.01	.46	<2	190	-	.44
RRE KN-9 20,50-20,75	1	43	<3	88	<.3	12	12	632	6.51	10	<5	<2	2	32	.2	2	<2	177	2.96	.091	5	24	1.76	47	.13	<3	2.22	.01	.46	2	211	-	.63
KN-9 20,75-21,00	1	45	<3	88	<.3	19	16	616	4.69	153	<5	<2	<2	20	<.2	<2	<2	174	2.67	.076	8	23	1.41	57	.16	<3	1.63	.03	.68	2	49	-	.47
KN-9 21,00-21,25	1	46	<3	105	<.3	16	11	514	6.01	321	<5	<2	<2	31	.2	2	<2	258	3.12	.118	9	24	1.89	87	.19	<3	1.95	.05	1.04	2	40	-	.50
KN-9 21,25-21,50	<1	32	<3	119	<.3	14	16	392	6.40	<2	<5	<2	2	27	.3	2	<2	309	3.50	.127	11	11	2.06	141	.27	<3	2.63	.05	1.58	<2	4	-	.13
KN-9 21,50-21,75	<1	22	<3	123	<.3	15	20	350	6.63	842	<5	<2	<2	24	.2	7	<2	299	2.72	.114	11	12	2.13	163	.26	<3	2.82	.06	1.69	2	14	-	.12
KN-9 21,75-22,00	1	51	<3	89	<.3	13	11	322	6.26	<2	<5	<2	2	25	<.2	3	<2	213	1.71	.079	7	12	1.64	129	.25	<3	2.35	.06	1.18	<2	153	-	.45
KN-9 22,00-22,25	1	80	<3	7	<.3	4	2	325	2.98	3003	<5	<2	<2	56	<.2	<2	<2	12	3.01	.013	<1	17	.23	7	.01	<3	.18	<.01	.03	3	280	-	1.13
KN-9 22,25-22,50	3	292	<3	29	.3	10	12	476	7.82	235	13	<2	<2	15	<.2	3	2	74	1.40	.016	1	19	1.18	15	.02	<3	1.22	.01	.09	5	318	-	2.78
KN-9 22,50-22,75	3	228	<3	13	2.1	9	4	338	5.03	246	<5	11	<2	6	<.2	5	<2	17	1.29	.016	<1	20	.18	14	.01	<3	.16	<.01	.01	8	2071	-	1.61
KN-9 22,75-23,00	2	283	<3	7	.5	7	7	231	4.73	462	<5	3	<2	5	<.2	3	<2	17	.58	.011	<1	15	.16	9	<.01	<3	.19	<.01	<.01	5	2939	-	1.91
KN-9 23,00-23,25	2	180	<3	18	.4	8	2	346	3.25	148	<5	<2	<2	10	<.2	<2	<2	8	1.22	.010	<1	17	.11	8	<.01	<3	.06	<.01	<.01	5	2454	-	.91
KN-9 23,25-23,50	2	51	<3	3	.3	5	1	775	4.89	67	<5	<2	<2	22	<.2	<2	<2	6	2.37	.010	1	15	.42	6	<.01	<3	.05	<.01	.01	5	5971	-	1.96
KN-9 23,50-23,75	3	55	<3	10	.5	6	2	911	4.24	186	<5	<2	<2	27	<.2	3	<2	10	2.86	.007	2	15	.19	16	<.01	<3	.06	<.01	<.01	5	916	-	1.11
KN-9 23,75-24,00	3	55	<3	10	<.3	10	7	453	4.20	365	<5	<2	<2	6	<.2	3	<2	23	1.55	.015	2	18	.08	17	<.01	<3	.12	<.01	<.01	7	162	-	.31
KN-9 24,00-24,25	2	71	<3	35	<.3	16	11	1508	6.21	295	5	<2	<2	39	.2	<2	<2	105	7.21	.039	4	32	1.36	89	.06	<3	1.58	.01	.21	3	74	-	.01
KN-9 24,25-24,50	1	75	<3	73	.3	42	25	1194	10.91	146	5	<2	2	75	.9	11	2	255	7.67	.058	6	78	3.72	95	.10	<3	4.31	.01	.34	3	66	-	.03
KN-9 24,50-24,75	<1	34	<3	97	<.3	53	34	1008	12.68	4	<5	<2	3	47	.9	11	<2	343	4.60	.059	4	116	4.71	51	.10	3	5.48	.02	.30	<2	16	-	.07
RE KN-9 24,50-24,75	<1	34	3	96	<.3	53	35	1005	12.63	8	<5	<2	3	47	.8	10	4	341	4.58	.059	3	115	4.68	50	.09	<3	5.45	.02	.29	<2	13	-	.07
RRE KN-9 24,50-24,75	<1	34	<3	95	<.3	56	36	1004	13.19	5	7	<2	3	48	.8	7	<2	357	4.59	.058	3	120	4.92	51	.10	<3	5.67	.02	.32	<2	4	-	.09
KN-9 24,75-25,00	<1	145	<3	71	.3	31	34	621	12.33	85	8	<2	2	26	.5	12	<2	330	2.19	.094	3	46	4.12	123	.10	<3	4.80	.02	.41	<2	67	-	.12
KN-9 25,00-25,25	<1	99	<3	61	<.3	47	38	1061	10.99	209	<5	<2	2	72	.8	6	<2	345	6.37	.081	6	79	3.77	157	.12	<3	4.44	.02	.52	<2	37	-	.04
KN-9 25,25-25,50	<1	86	<3	61	<.3	49	39	1133	9.69	109	<5	<2	<2	79	.6	6	<2	333	6.97	.073	7	90	3.45	160	.15	<3	4.02	.03	.66	<2	5	-	.03
KN-9 25,50-25,75	<1	97	<3	270	<.3	52	41	1198	9.31	<2	<5	<2	2	52	.9	6	<2	323	5.99	.076	6	85	3.98	49	.12	<3	3.88	.04	.29	<2	3	-	.10
KN-9 25,75-26,00	<1	79	<3	78	<.3	40	35	1001	5.87	<2	<5	<2	<2	28	<.2	4	<2	197	4.62	.084	7	60	3.12	39	.13	<3	2.36	.08	.25	<2	3	-	.02
KN-9 26,00-26,25	10	22	6	35	<.3	2404	93	726	4.59	<2	5	2	<2	237	<.2	2	<2	13	.67	.026	10	166	24.46	276	<.01	3	.22	.01	.04	<2	1405	-	.15
STANDARD C2/AU-R/CSA	20	60	40	142	6.7	71	36	1149	3.79	37	17	8	36	51	19.7	18	20	72	.54	.108	38	62	1.01	194	.08	26	1.99	.06	.13	10	482	-	5.08

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-10 20,00-20,25	<1	128	33	100	1.7	46	35	1372	5.69	<2	5	<2	<2	29	.3	<2	<2	194	4.92	.067	7	62	2.80	67	.14	<3	2.51	.06	.46	<2	28	.17
KN-10 20,25-20,50	2	113	<3	97	<.3	45	36	987	5.18	<2	<5	<2	<2	19	.5	2	2	163	3.82	.062	7	56	2.82	65	.15	<3	2.41	.08	.43	<2	2	.13
KN-10 20,50-20,75	1	94	<3	118	<.3	43	33	1374	5.12	<2	<5	<2	<2	29	.5	<2	<2	171	5.91	.058	7	54	2.78	93	.16	<3	2.02	.07	.64	<2	3	.07
KN-10 20,75-21,00	1	104	<3	105	<.3	42	33	1290	5.32	<2	<5	<2	<2	32	.5	<2	2	154	5.68	.070	8	52	2.83	32	.12	<3	2.34	.07	.21	<2	3	.10
KN-10 21,00-21,25	<1	43	<3	111	<.3	43	34	1329	6.56	<2	9	<2	<2	28	.4	<2	<2	226	4.96	.064	8	65	3.43	47	.12	<3	3.09	.05	.35	<2	4	.02
KN-10 21,25-21,50	<1	153	<3	92	<.3	40	33	1165	5.51	<2	<5	<2	<2	24	.4	<2	<2	197	4.54	.062	7	58	2.72	54	.13	<3	2.38	.06	.37	<2	4	.17
KN-10 21,50-21,75	1	11	<3	104	.3	42	33	1032	6.44	<2	<5	<2	<2	28	.2	<2	<2	177	4.16	.069	7	60	3.40	7	.10	<3	3.61	.05	.05	<2	3	.04
KN-10 21,75-22,00	<1	34	<3	110	<.3	45	36	1417	7.14	<2	5	<2	<2	35	.7	<2	3	239	5.72	.067	7	69	3.59	37	.10	<3	3.68	.04	.24	<2	5	<.01
KN-10 22,00-22,25	<1	10	<3	105	<.3	43	34	1409	6.68	<2	6	<2	<2	35	.5	<2	2	224	5.89	.071	7	69	3.14	68	.13	<3	3.20	.06	.49	<2	1	<.01
KN-10 22,25-22,50	1	34	<3	78	<.3	36	31	755	5.10	3	<5	<2	<2	31	.4	2	<2	204	3.98	.058	6	54	1.83	176	.21	<3	2.42	.09	1.05	<2	5	.01
KN-10 22,50-22,75	<1	91	<3	37	<.3	9	9	1054	3.98	<2	5	<2	<2	82	.4	3	<2	56	7.44	.025	2	10	1.21	15	.03	<3	1.37	.02	.09	2	4	.42
KN-10 22,75-23,00	<1	125	<3	107	<.3	21	27	844	5.55	<2	<5	<2	<2	32	.4	<2	<2	252	4.27	.117	14	9	1.56	179	.25	<3	2.27	.10	1.28	<2	4	.31
RE KN-10 22,75-23,00	<1	121	<3	108	<.3	22	27	849	5.63	<2	<5	<2	<2	33	.2	<2	<2	257	4.37	.119	14	9	1.59	182	.26	<3	2.32	.11	1.31	<2	3	.28
RRE KN-10 22,75-23,00	<1	122	3	114	<.3	22	28	878	5.79	<2	<5	<2	<2	34	.5	<2	<2	265	4.51	.124	14	8	1.64	189	.26	<3	2.39	.11	1.35	<2	5	.27
KN-10 23,00-23,25	1	114	<3	115	<.3	24	30	845	5.85	2	<5	<2	<2	27	.5	4	<2	267	4.48	.132	15	9	1.75	155	.26	<3	2.48	.11	1.28	<2	<1	.30
KN-10 23,25-23,50	1	64	<3	152	.6	27	33	1000	6.26	<2	<5	<2	<2	30	.5	<2	<2	300	4.86	.139	16	9	2.08	147	.27	<3	2.82	.11	1.30	<2	5	.10
KN-10 23,50-23,75	1	70	<3	47	<.3	10	7	341	3.09	<2	<5	<2	<2	19	<.2	2	<2	86	2.10	.038	3	13	.42	39	.10	<3	.78	.05	.28	4	2	.61
KN-10 23,75-24,00	1	13	<3	17	<.3	7	1	204	2.61	<2	<5	<2	<2	38	<.2	<2	<2	42	2.27	.024	1	21	.42	81	.09	<3	.71	.01	.44	2	3	.01
KN-10 24,00-24,25	1	16	<3	6	<.3	4	<1	82	1.69	2	<5	<2	<2	24	<.2	3	<2	10	1.30	.010	<1	14	.05	4	<.01	<3	.07	<.01	.01	4	4	.10
KN-10 24,25-24,50	1	14	<3	33	<.3	29	26	209	2.63	6	<5	<2	<2	19	<.2	4	<2	109	1.09	.029	3	45	.74	35	.08	<3	1.00	.02	.15	3	71	.08
KN-10 24,50-24,75	1	19	<3	50	<.3	33	27	402	3.16	3	<5	<2	<2	19	<.2	<2	<2	161	1.89	.047	4	55	1.20	80	.12	<3	1.53	.04	.35	3	4	<.01
KN-10 24,75-25,00	1	58	<3	73	<.3	32	24	1133	4.47	<2	<5	<2	<2	31	.2	<2	<2	160	6.22	.068	7	54	2.16	22	.10	<3	1.88	.06	.09	<2	3	.01
KN-10 25,00-25,25	1	105	<3	96	<.3	43	35	1065	5.91	3	<5	<2	<2	33	.5	5	<2	193	5.10	.067	8	67	2.76	59	.12	<3	2.80	.06	.33	2	<1	.12
KN-10 25,25-25,50	1	55	4	81	<.3	33	26	1116	5.64	<2	<5	<2	<2	45	.4	<2	<2	166	5.19	.065	7	58	2.80	60	.13	<3	2.78	.06	.34	<2	4	.07
KN-10 25,50-25,75	<1	258	<3	85	<.3	37	35	1113	5.94	<2	5	<2	2	33	.3	<2	<2	144	5.39	.075	7	55	3.09	24	.09	<3	2.86	.05	.13	<2	<1	.24
KN-10 25,75-26,00	<1	107	<3	84	<.3	35	28	1051	5.49	<2	5	<2	<2	40	.4	<2	<2	131	5.66	.064	7	55	2.81	8	.09	<3	2.80	.06	.04	<2	4	.08
KN-10 26,00-26,25	<1	124	<3	97	<.3	43	34	1104	6.31	<2	<5	<2	<2	33	.3	<2	<2	229	5.14	.086	8	70	2.61	139	.17	<3	2.84	.07	.81	<2	1	.19
RE KN-10 26,00-26,25	<1	129	<3	99	<.3	43	34	1108	6.33	<2	9	<2	<2	33	.4	2	<2	229	5.16	.087	8	68	2.62	138	.17	<3	2.85	.07	.81	<2	3	.20
RRE KN-10 26,00-26,25	1	115	3	95	<.3	42	33	1122	6.21	<2	<5	<2	<2	34	.5	<2	3	227	5.23	.083	7	68	2.54	137	.18	<3	2.80	.08	.78	<2	3	.20
KN-10 26,25-26,50	<1	82	<3	75	<.3	34	25	990	5.19	<2	<5	<2	<2	32	.4	<2	<2	193	4.98	.076	6	54	1.97	130	.17	<3	2.41	.09	.67	<2	3	.13
KN-10 26,50-26,75	1	87	<3	86	<.3	36	29	1163	5.12	<2	<5	<2	<2	32	.2	<2	2	221	5.21	.074	7	64	2.00	176	.19	<3	2.30	.08	.82	<2	2	.13
KN-10 26,75-27,00	<1	101	<3	92	<.3	39	31	1124	5.96	2	<5	<2	<2	30	.3	3	<2	225	4.92	.080	8	64	2.71	131	.15	<3	2.79	.07	.60	<2	<1	.13
KN-11 4,75-5,00	6	14	<3	33	<.3	2798	103	691	4.64	2	<5	<2	<2	119	<.2	<2	<2	8	.31	.014	6	163	25.57	142	<.01	<3	.15	.01	.01	<2	650	.10
KN-11 5,00-6,00	1	94	<3	60	<.3	32	23	693	3.83	<2	<5	<2	<2	41	<.2	<2	<2	181	3.60	.096	11	14	1.21	8	.17	<3	1.56	.15	.04	<2	2	.11
KN-11 6,00-7,00	1	100	<3	71	<.3	23	25	588	4.00	2	<5	<2	<2	33	.3	6	<2	172	3.02	.106	13	6	1.37	12	.17	<3	1.69	.13	.06	<2	3	.20
KN-11 7,00-8,00	1	72	<3	86	<.3	19	27	748	5.09	<2	<5	<2	<2	50	.3	2	<2	221	4.65	.101	13	3	1.61	48	.18	<3	2.00	.10	.17	<2	1	.24
KN-11 8,00-9,00	1	70	<3	82	<.3	16	24	715	4.69	<2	<5	<2	<2	28	<.2	<2	<2	170	3.32	.128	15	5	1.60	130	.20	<3	1.86	.12	.44	<2	3	.24
STANDARD C2/AU-R/CSA	22	62	44	151	7.1	73	37	1189	3.88	40	17	9	38	53	20.4	17	19	75	.56	.106	41	64	1.04	205	.09	29	2.04	.06	.13	10	498	5.08

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-11 9,00-10,00	1	64	3	106	<.3	22	27	1013	5.58	<2	<5	<2	2	44	<.2	<2	<2	215	4.33	.128	14	8	2.14	146	.22	<3	2.17	.10	.81	<2	1	.15
KN-11 10,00-11,00	<1	58	5	116	<.3	23	29	1086	6.14	<2	5	<2	<2	50	<.2	2	<2	217	4.66	.126	14	9	2.35	114	.20	<3	2.47	.09	.67	<2	1	.19
KN-11 11,00-12,00	1	84	<3	107	<.3	23	30	1025	6.27	<2	7	<2	<2	61	<.2	<2	<2	199	4.94	.116	13	7	2.32	114	.19	<3	2.62	.10	.63	<2	5	.36
KN-11 12,00-13,00	1	117	<3	92	<.3	43	39	650	4.66	<2	<5	<2	<2	33	<.2	<2	<2	231	3.57	.108	13	17	1.54	92	.21	<3	1.72	.10	.53	<2	2	.38
KN-11 13,00-14,00	1	42	<3	97	<.3	23	29	1234	5.18	<2	<5	<2	<2	85	.2	<2	<2	257	7.18	.083	12	9	1.83	31	.15	<3	1.96	.05	.13	<2	3	.09
KN-11 14,00-15,00	2	109	<3	82	<.3	40	37	673	4.40	<2	<5	<2	<2	33	<.2	4	<2	208	3.74	.103	13	10	1.56	137	.23	<3	1.66	.10	.64	<2	2	.22
KN-11 15,00-16,00	1	92	<3	96	<.3	39	33	734	4.80	<2	<5	<2	<2	33	.2	<2	<2	239	3.85	.118	14	19	1.86	131	.22	<3	1.85	.09	.68	<2	2	.20
KN-11 16,00-17,00	1	54	<3	72	<.3	28	31	602	3.51	<2	<5	<2	<2	32	.2	5	<2	188	3.92	.119	14	6	1.23	89	.20	<3	1.37	.10	.37	<2	5	.17
KN-11 17,00-18,00	2	76	<3	71	<.3	31	31	570	3.84	<2	<5	<2	<2	30	<.2	2	<2	212	3.45	.114	13	8	1.17	75	.19	<3	1.46	.11	.25	<2	3	.27
KN-11 18,00-19,00	1	63	3	87	<.3	13	23	658	3.77	<2	<5	<2	<2	41	<.2	<2	<2	137	3.53	.126	15	4	1.11	131	.19	<3	1.42	.11	.37	<2	47	.26
KN-11 19,00-20,00	1	68	<3	67	<.3	18	24	635	3.78	<2	<5	<2	<2	22	<.2	<2	<2	144	2.76	.118	14	17	1.25	71	.17	<3	1.51	.12	.24	<2	4	.28
KN-11 20,00-21,00	1	65	<3	86	<.3	38	28	985	4.41	2	<5	<2	<2	27	<.2	2	<2	182	4.44	.050	6	72	2.11	22	.10	<3	1.99	.04	.05	2	2	.09
KN-11 21,00-22,00	1	97	4	80	<.3	51	33	871	4.33	<2	<5	<2	<2	23	<.2	<2	<2	136	4.14	.061	9	70	2.07	34	.12	<3	1.86	.08	.07	<2	3	.32
KN-11 22,00-22,25	1	68	<3	68	<.3	39	25	1081	3.75	<2	<5	<2	<2	31	<.2	2	<2	104	5.35	.059	7	56	1.92	15	.11	<3	1.48	.10	.05	<2	1	.15
RE KN-11 22,00-22,25	1	66	<3	70	<.3	37	25	1086	3.70	<2	<5	<2	<2	31	.2	<2	<2	102	5.32	.058	8	55	1.90	15	.11	<3	1.46	.10	.05	<2	3	.12
RRE KN-11 22,00-22,25	1	76	<3	68	<.3	38	25	1085	3.84	<2	<5	<2	<2	31	<.2	<2	<2	111	5.38	.059	8	58	1.94	15	.13	<3	1.52	.11	.06	<2	2	.14
KN-11 22,25-22,50	<1	89	<3	82	<.3	54	32	1135	4.74	3	6	<2	<2	35	.3	4	<2	134	6.16	.052	8	91	2.81	36	.11	<3	2.01	.06	.12	<2	1	.10
KN-11 22,50-22,75	<1	115	<3	86	<.3	48	33	1236	4.77	<2	<5	<2	<2	101	<.2	<2	<2	143	7.43	.061	8	62	2.36	73	.13	<3	2.16	.08	.21	<2	2	.21
KN-11 22,75-23,00	1	84	3	82	<.3	48	27	1068	4.22	<2	<5	<2	2	62	.2	<2	3	108	6.13	.049	7	64	2.23	18	.11	<3	1.95	.08	.06	<2	1	.10
KN-11 23,00-23,25	1	113	<3	82	<.3	36	25	925	3.95	<2	<5	<2	<2	22	<.2	<2	<2	119	4.47	.059	7	40	1.75	6	.11	<3	1.60	.12	.04	<2	1	.15
KN-11 23,25-23,50	2	104	3	65	<.3	33	22	794	3.46	<2	<5	<2	<2	19	<.2	<2	<2	114	3.87	.051	6	41	1.52	26	.12	<3	1.37	.12	.10	<2	4	.18
KN-11 23,50-23,75	2	99	<3	129	<.3	46	33	1173	5.39	<2	<5	<2	<2	39	.3	2	<2	174	6.50	.068	9	62	2.50	51	.12	<3	2.37	.09	.14	<2	<1	.18
KN-11 23,75-24,00	<1	143	<3	113	<.3	47	37	1189	6.00	<2	5	<2	<2	36	.3	<2	<2	211	5.79	.072	9	65	2.40	38	.11	<3	2.61	.06	.10	<2	6	.36
KN-11 24,00-24,25	1	148	<3	114	<.3	50	39	1830	7.21	<2	6	<2	2	50	<.2	<2	<2	226	7.42	.057	9	77	3.08	14	.08	<3	3.18	.03	.02	<2	1	.37
KN-11 24,25-24,50	4	536	<3	113	.3	40	33	1699	6.64	<2	8	<2	3	50	.3	<2	<2	112	6.78	.029	16	45	2.11	3	.05	<3	1.97	.04	.01	<2	10	1.22
KN-11 24,50-24,75	1	92	<3	76	<.3	20	14	605	3.52	<2	5	<2	<2	24	<.2	<2	<2	88	2.55	.025	2	35	1.32	1	.06	<3	1.39	.02	<.01	2	5	.42
KN-11 24,75-25,00	1	102	<3	84	<.3	47	31	774	4.76	<2	<5	<2	<2	24	<.2	<2	<2	129	3.70	.069	9	58	2.66	2	.12	<3	2.54	.08	<.01	<2	3	.09
RE KN-11 24,75-25,00	1	101	<3	83	<.3	45	31	767	4.62	<2	<5	<2	<2	23	<.2	4	<2	125	3.63	.069	9	57	2.59	2	.12	<3	2.47	.08	.01	<2	5	.07
RRE KN-11 24,75-25,00	1	96	<3	82	<.3	45	30	762	4.65	<2	<5	<2	<2	24	<.2	<2	<2	131	3.64	.067	8	58	2.58	2	.13	<3	2.48	.08	.01	<2	4	.09
KN-11 25,00-25,25	2	58	<3	69	<.3	27	16	802	3.92	<2	<5	<2	<2	31	<.2	<2	2	113	3.82	.043	6	43	1.68	32	.10	<3	1.77	.05	.16	<2	<1	.20
KN-11 25,25-25,50	2	203	<3	11	<.3	9	5	400	3.39	<2	<5	<2	<2	41	<.2	3	<2	14	2.12	.007	1	12	.16	3	.01	<3	.17	<.01	<.01	3	9	1.63
KN-11 25,50-25,75	2	155	<3	32	<.3	9	5	1440	4.07	<2	6	<2	<2	55	<.2	<2	<2	33	4.06	.007	3	16	.80	2	.01	<3	.79	.01	<.01	3	8	1.31
KN-11 25,75-26,00	2	168	<3	10	<.3	7	2	226	3.83	<2	8	<2	<2	27	<.2	2	<2	12	1.31	.003	<1	14	.14	33	<.01	<3	.21	.01	.03	4	258	1.68
KN-11 26,00-26,25	1	255	<3	112	.3	44	34	2647	7.23	4	6	<2	<2	90	.6	3	<2	179	10.70	.044	8	63	2.81	4	.06	<3	2.54	.02	.01	<2	8	1.10
KN-11 26,25-26,50	1	99	<3	121	<.3	62	43	1000	6.42	<2	<5	<2	<2	27	.2	<2	<2	281	4.87	.069	8	95	3.38	95	.17	<3	3.42	.05	.43	<2	5	.15
KN-11 26,50-26,75	<1	70	<3	71	<.3	43	30	997	4.94	<2	<5	<2	<2	32	.3	<2	<2	191	5.62	.067	8	69	2.48	150	.18	<3	2.23	.07	.81	<2	3	.07
KN-11 26,75-27,00	1	91	<3	74	<.3	49	31	903	4.62	<2	<5	<2	<2	25	<.2	2	<2	150	4.50	.064	8	62	2.35	104	.16	<3	2.10	.09	.50	<2	3	.10
STANDARD C2/AU-R/CSA	22	62	40	151	7.0	74	37	1171	3.89	39	16	8	37	52	19.6	16	19	75	.55	.108	40	64	1.01	203	.09	28	2.03	.06	.12	10	481	5.04

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-11 27,00-27,25	2	98	3	73	<.3	50	31	1016	5.15	2	<5	<2	<2	26	.2	3	<2	140	4.66	.067	7	64	2.61	19	.13	<3	2.36	.11	.09	<2	44	.18
KN-11 27,25-27,50	<1	83	21	97	<.3	45	33	1155	5.81	<2	<5	<2	<2	37	.4	<2	<2	162	6.03	.072	8	66	3.21	5	.11	<3	2.92	.07	.02	<2	15	.18
KN-11 27,50-27,75	2	85	<3	102	<.3	47	36	1648	7.93	<2	<5	<2	<2	67	.5	2	2	203	7.96	.097	9	74	3.32	16	.08	<3	3.87	.06	.05	<2	7	.57
KN-11 27,75-28,00	<1	95	<3	92	<.3	53	40	1238	6.72	2	<5	<2	<2	40	.3	<2	<2	214	6.12	.079	8	75	2.63	67	.14	<3	2.75	.08	.29	<2	13	.80
KN-12 6,40-7,00	<1	60	<3	134	<.3	26	32	1335	7.14	<2	<5	<2	<2	32	.5	4	<2	316	5.64	.157	15	13	2.59	73	.16	<3	3.07	.05	.30	<2	6	.04
KN-12 7,00-7,25	<1	552	<3	35	.3	2855	121	819	5.54	12	<5	<2	<2	9	.3	<2	<2	8	.29	.004	2	155	26.70	11	<.01	<3	.31	.01	<.01	<2	79	.30
KN-12 7,50-8,50	<1	130	<3	98	<.3	46	34	973	6.42	<2	<5	<2	2	37	.3	<2	<2	294	5.51	.063	6	76	2.95	149	.27	<3	2.98	.08	1.60	<2	18	.11
KN-12 8,50-9,50	1	77	<3	107	<.3	39	34	856	6.43	<2	<5	<2	<2	28	.4	<2	<2	257	4.35	.085	8	56	3.11	102	.21	<3	3.23	.07	1.01	<2	16	.05
KN-12 9,50-10,50	<1	91	5	91	<.3	40	30	930	6.59	<2	<5	<2	2	33	.5	3	<2	218	4.43	.064	6	60	2.71	95	.18	<3	3.26	.06	.74	<2	5	.07
KN-12 10,50-11,50	1	108	<3	88	<.3	44	35	1307	6.46	<2	5	<2	2	39	.5	4	<2	217	6.02	.078	6	68	2.82	60	.13	<3	3.04	.07	.39	<2	5	.19
RE KN-12 10,50-11,50	1	109	<3	89	<.3	43	34	1295	6.45	<2	<5	<2	<2	39	.3	<2	<2	218	6.04	.078	6	64	2.83	59	.13	<3	3.06	.06	.38	<2	6	.20
RRE KN-12 10,50-11,50	<1	115	<3	86	<.3	42	34	1339	6.30	<2	6	<2	<2	44	.3	<2	<2	217	6.58	.079	7	61	2.78	63	.13	<3	2.94	.06	.40	<2	1	.19
KN-12 11,50-12,50	<1	110	<3	81	<.3	43	34	1265	5.77	<2	<5	<2	<2	45	.4	<2	<2	182	6.55	.074	6	57	2.69	57	.13	<3	2.66	.07	.37	<2	5	.20
KN-12 12,50-13,50	<1	143	<3	100	<.3	51	40	1455	7.30	10	5	<2	<2	37	.6	<2	<2	236	7.23	.070	6	68	3.19	64	.12	<3	3.66	.05	.30	<2	5	.20
KN-12 13,50-14,50	<1	136	<3	103	<.3	50	40	1348	7.18	<2	6	<2	<2	36	.4	<2	2	252	6.81	.077	7	72	3.18	57	.11	<3	3.66	.04	.26	<2	4	.07
KN-12 14,50-15,50	<1	84	<3	121	<.3	56	43	1399	9.29	3	6	<2	<2	45	.7	<2	2	329	6.51	.085	7	83	4.66	33	.09	<3	5.03	.03	.15	<2	3	.10
KN-12 15,50-16,50	<1	126	<3	107	<.3	50	41	1540	7.76	<2	6	<2	<2	41	.6	<2	<2	241	6.72	.075	7	72	3.77	13	.07	<3	3.94	.03	.06	<2	5	.32
KN-12 16,50-17,50	<1	98	<3	129	<.3	42	37	1216	7.09	5	<5	<2	<2	36	.6	<2	<2	248	5.49	.086	9	58	3.22	51	.12	<3	3.64	.06	.22	<2	5	.13
KN-12 17,50-18,50	1	91	<3	105	<.3	37	33	1472	6.27	5	<5	<2	<2	34	.4	3	<2	229	5.11	.117	14	40	2.20	121	.18	<3	2.44	.09	.63	<2	6	.52
KN-12 18,50-19,50	1	104	<3	93	<.3	45	38	1333	6.23	608	<5	<2	<2	42	.7	<2	<2	207	5.93	.084	8	65	2.82	117	.12	<3	2.73	.08	.54	<2	402	.34
KN-12 19,50-20,50	1	114	<3	88	<.3	55	38	1033	5.76	10	<5	<2	<2	32	<.2	3	<2	167	4.42	.072	8	60	2.82	120	.14	<3	2.60	.08	.42	<2	5	.26
KN-12 20,50-21,50	<1	125	<3	49	<.3	35	26	766	3.31	3	<5	<2	<2	23	.2	2	<2	124	3.91	.077	8	32	1.37	45	.13	<3	1.30	.13	.18	<2	4	.20
KN-12 21,50-22,50	1	131	<3	82	<.3	43	33	1152	4.81	<2	<5	<2	<2	43	.5	<2	<2	150	6.84	.071	8	47	2.16	49	.12	<3	2.12	.08	.19	<2	5	.23
KN-12 22,50-23,50	2	142	<3	110	<.3	47	35	1305	6.17	<2	<5	<2	<2	50	.5	<2	<2	182	6.72	.076	8	53	2.56	56	.11	<3	2.60	.06	.19	<2	7	.48
KN-12 23,50-24,50	1	102	<3	86	<.3	44	35	1276	5.54	<2	<5	<2	<2	59	.3	<2	<2	180	7.55	.085	8	52	2.49	65	.11	<3	2.39	.06	.28	<2	3	.32
KN-12 24,50-25,50	<1	75	<3	105	<.3	43	38	1257	6.51	4	<5	<2	<2	49	.4	2	<2	240	7.24	.104	11	58	3.24	59	.12	<3	2.80	.05	.25	<2	2	.42
RE KN-12 24,50-25,50	<1	72	<3	104	<.3	43	38	1243	6.39	3	<5	<2	<2	48	.5	3	<2	234	7.12	.101	10	57	3.18	57	.12	3	2.75	.05	.25	<2	8	.38
RRE KN-12 24,50-25,50	1	69	<3	100	<.3	44	37	1274	6.15	2	<5	<2	<2	49	.4	4	<2	226	7.35	.099	10	56	3.00	61	.12	<3	2.57	.06	.27	<2	8	.35
KN-12 25,50-26,50	1	91	<3	85	<.3	39	36	964	5.40	<2	<5	<2	2	42	.4	<2	<2	181	5.77	.111	13	47	2.39	78	.14	<3	2.24	.07	.35	<2	6	.52
KN-12 26,50-27,50	2	144	<3	108	<.3	43	34	1106	6.29	<2	<5	<2	2	45	.6	<2	<2	149	5.73	.104	13	48	2.38	95	.13	<3	2.26	.06	.30	<2	9	1.05
KN-12 27,50-28,50	<1	75	<3	66	<.3	34	25	860	3.95	<2	<5	<2	<2	32	.2	<2	<2	119	4.36	.072	8	45	1.63	4	.11	<3	1.58	.10	.03	<2	8	.35
KN-12 28,50-29,50	2	115	<3	88	<.3	38	26	1578	6.17	<2	5	<2	2	65	.4	<2	<2	151	7.14	.058	10	63	2.51	45	.08	<3	2.22	.04	.10	<2	4	1.09
KN-12 29,50-30,50	<1	82	<3	76	<.3	39	29	1146	5.02	<2	<5	<2	<2	47	.3	<2	<2	134	6.01	.068	9	54	2.40	19	.09	<3	2.15	.05	.05	<2	6	.42
KN-12 30,50-31,50	1	85	<3	64	<.3	37	28	917	4.38	<2	<5	<2	<2	28	.2	<2	<2	146	4.49	.074	9	46	1.86	5	.12	<3	1.77	.10	.04	<2	9	.31
KN-12 31,50-32,50	1	174	<3	36	<.3	40	33	658	4.72	<2	<5	<2	<2	33	.2	<2	<2	90	3.26	.064	7	31	1.14	2	.10	<3	1.13	.10	.02	<2	10	1.77
KN-12 32,50-33,50	1	122	<3	71	<.3	39	31	998	5.35	<2	<5	<2	2	38	.3	<2	<2	119	4.55	.079	9	49	2.29	5	.09	<3	2.11	.08	.02	<2	8	.59
KN-12 33,50-34,50	<1	149	<3	80	<.3	52	47	1265	6.64	<2	7	<2	2	60	.4	2	<2	105	6.28	.072	9	56	2.27	73	.10	<3	2.23	.06	.17	<2	2	1.36
STANDARD C2/AU-R/CSA	20	60	41	143	6.9	70	35	1151	3.73	39	18	9	35	51	19.7	21	18	71	.54	.109	39	60	.99	194	.08	29	1.93	.06	.14	10	490	4.97

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	TOT/S %
KN-12 34,50-35,50	1	66	3	55	<.3	33	28	783	4.46	<2	<5	<2	<2	42	<.2	<2	<2	110	4.51	.083	10	44	1.76	14	.11	<3	1.91	.12	.06	<2	2	.22
KN-12 35,50-36,50	1	96	5	39	<.3	30	27	656	3.22	3	5	<2	<2	24	<.2	<2	<2	98	3.82	.079	9	30	1.24	3	.10	<3	1.28	.14	.04	<2	2	.20
KN-12 36,50-37,50	<1	94	4	38	<.3	27	23	824	3.54	<2	<5	<2	<2	38	<.2	<2	<2	97	5.37	.078	8	30	1.31	2	.10	<3	1.33	.13	.04	2	1	.18
KN-12 37,50-38,50	1	109	6	44	<.3	30	26	973	4.27	<2	<5	<2	<2	41	<.2	<2	<2	111	5.74	.075	8	34	1.73	23	.10	<3	1.56	.11	.09	<2	1	.22
KN-12 38,50-39,50	2	74	4	72	<.3	40	34	1171	6.28	<2	<5	<2	<2	41	<.2	<2	<2	179	5.81	.077	9	58	2.62	203	.15	<3	2.49	.08	.54	<2	2	.16
KN-12 39,50-40,50	1	93	<3	57	<.3	33	28	1154	4.89	<2	<5	<2	<2	46	<.2	<2	<2	120	6.39	.075	7	41	2.08	115	.11	<3	1.88	.09	.30	<2	3	.22

Sample type: CORE.

Appendix 2

Analytical results from drill cores from Gjedde Lake, Pasvik North Norway. Selected elements.

DRILLHOLE KN-1

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
8,00-9,00	40	2	0,07	2	69	101	< ,3
9,00-10,00	50	10	0,22	< 2	159	73	0,3
10,00-11,00	30	< 2	0,16	2	67	75	< ,3
11,00-12,00	20	< 2	0,43	2	25	104	< ,3
12,00-13,00	62	< 2	0,27	< 2	28	104	< ,3
13,00-14,00	11	11	0,19	< 2	61	92	< ,3
14,00-15,00	14	< 2	0,22	< 2	21	100	< ,3
15,00-16,00	16	< 2	0,20	4	38	88	< ,3
16,00-17,00	802	2	0,36	2	128	97	< ,3
17,00-18,00	18	< 2	0,31	< 2	58	82	< ,3
18,00-19,00	22	< 2	0,27	3	48	103	< ,3
19,00-20,00	16	5	0,15	2	35	62	< ,3
20,00-21,00	13	< 2	0,27	2	60	126	< ,3
21,00-22,00	9	7	0,25	2	74	78	< ,3
22,00-23,00	7	7	0,11	< 2	130	77	< ,3
23,00-24,00	3	4	0,09	< 2	120	93	< ,3
24,00-25,00	< 2	11	0,34	< 2	108	93	< ,3
25,00-26,00	5	12	1,82	< 2	81	120	< ,3
26,00-27,00	10	4	0,38	< 2	107	96	< ,3
27,00-28,00	17	< 2	0,95	< 2	100	112	< ,3
28,00-29,00	11	< 2	0,40	2	94	153	< ,3
29,00-30,00	7	< 2	0,40	< 2	67	180	< ,3
30,00-31,00	13	< 2	0,58	< 2	52	179	< ,3
31,00-32,00	42	6	0,27	5	89	116	0,4
32,00-33,00	161	< 2	0,36	< 2	119	129	< ,3
33,00-34,00	11	< 2	0,46	< 2	169	122	< ,3
34,00-35,00	4	< 2	0,42	< 2	105	99	< ,3
35,00-36,00	8	< 2	0,39	< 2	82	106	< ,3
36,00-37,00	10	< 2	0,74	< 2	100	163	< ,3
37,00-38,00	9	< 2	0,43	< 2	64	111	< ,3
38,00-39,00	9	< 2	0,30	2	80	58	< ,3
39,00-40,00	15	< 2	0,90	< 2	168	62	< ,3

DRILLHOLE KN-2

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
20,00-20,25	48	< 2	0,07	3	257	21	0,3
20,25-20,50	78	10	0,14	< 2	188	23	4,8
20,50-20,75	105	95	0,31	3	166	25	0,4
20,75-21,00	112	374	0,28	6	195	36	0,3
21,00-21,25	164	951	0,35	2	76	111	0,5
21,25-21,50	21	200	0,01	< 2	60	4	0,3
21,50-21,75	329	5641	0,60	< 2	150	86	0,4
21,75-22,00	797	8470	0,59	< 2	135	40	0,3
22,00-22,25	1666	2777	0,42	< 2	104	56	0,5

22,25-22,50	6194	30591	1,83	13	12	83	0,5
22,50-22,75	2828	57164	3,09	9	78	32	0,6
22,75-23,00	91	623	0,11	< 2	80	93	< ,3
23,00-23,25	71	775	1,16	< 2	66	514	0,6
23,25-23,50	44	227	1,25	< 2	46	300	0,5
23,50-23,75	56	3289	1,46	< 2	100	409	0,5
23,75-24,00	137	930	0,57	< 2	66	110	0,5
24,00-24,25	33	113	0,58	3	37	150	0,3
24,25-24,50	26	14	0,80	< 2	72	99	< ,3
24,50-24,75	20	9	0,78	< 2	40	148	< ,3
24,75-25,00	33	33	0,99	< 2	66	180	< ,3
25,00-25,25	12	6	0,29	< 2	67	70	< ,3
25,25-25,50	18	641	0,68	< 2	5	43	< ,3
25,50-25,75	64	1431	0,81	2	151	61	< ,3
25,75-26,00	13	6	0,01	5	144	5	< ,3
26,00-26,25	349	127	1,50	2	6	100	1,7
26,25-26,50	905	7	1,96	4	3	126	8,6
26,50-26,75	531	< 2	0,51	< 2	11	28	0,5
26,75-27,00	1659	< 2	2,25	< 2	34	192	0,3
27,00-27,25	57	< 2	0,06	< 2	272	8	< ,3
27,25-27,50	1498	5642	1,23	3	21	74	0,3
27,50-27,75	64	436	1,10	< 2	13	58	0,3
27,75-28,00	1138	264	1,31	3	7	56	< ,3
28,00-28,25	1090	50	1,22	3	3	41	< ,3
28,25-28,50	12992	12293	4,00	4	3	166	1,7
28,50-28,75	136	1864	1,17	< 2	5	49	< ,3
28,75-29,00	1565	14330	1,47	4	3	41	< ,3
29,00-29,25	10370	981	0,53	< 2	2	23	< ,3
29,25-29,50	22	61	0,04	< 2	2	4	< ,3
29,50-29,75	50	14	0,15	< 2	3	7	< ,3
29,75-30,00	828	9	1,14	< 2	2	33	< ,3
30,00-30,25	12	4	0,06	< 2	2	4	< ,3
30,25-30,50	15	2	0,39	< 2	4	18	< ,3
30,50-30,75	8	2	0,14	< 2	1	2	0,3
30,75-31,00	3770	8427	2,14	23	7	41	< ,3
31,00-31,25	1647	2236	1,09	5	13	26	< ,3
31,25-31,50	2476	2034	0,71	5	1	8	< ,3
31,50-31,75	5530	7559	1,99	23	4	33	< ,3
31,75-32,00	14728	14436	2,97	46	4	58	0,6
32,00-32,25	1219	1914	1,04	6	10	34	< ,3
32,25-32,50	198	102	0,63	< 2	54	67	< ,3
32,50-32,75	20	30	0,26	< 2	110	81	< ,3
32,75-33,00	12	13	0,07	< 2	85	20	< ,3
33,00-33,25	12	7	0,71	< 2	79	116	< ,3

DRILLHOLE KN-3

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
6,00-7,00	11	2	0,16	5	60	99	< ,3
7,00-8,00	5	< 2	0,18	< 2	86	97	< ,3
8,00-9,00	6	< 2	0,08	2	115	70	< ,3

9,00-10,00	< 2	< 2	0,22	< 2	56	118	< ,3
10,00-11,00	3	< 2	0,12	< 2	37	112	< ,3
11,00-12,00	2	< 2	0,25	< 2	27	143	< ,3
12,00-13,00	5	< 2	0,12	< 2	37	102	< ,3
13,00-14,00	2	< 2	0,09	< 2	3	87	< ,3
14,00-15,00	3	< 2	0,17	< 2	50	120	< ,3
15,00-16,00	5	< 2	0,12	< 2	41	88	< ,3
16,00-17,00	2	< 2	0,04	< 2	227	111	< ,3
17,00-18,00	38	< 2	0,08	2	178	61	0,3
18,00-19,00	3	< 2	0,19	< 2	122	57	< ,3
19,00-20,00	< 2	< 2	0,19	6	114	46	< ,3
20,00-21,00	< 2	< 2	0,27	4	94	68	< ,3
21,00-22,00	< 2	< 2	0,20	3	78	54	< ,3
22,00-23,00	2	< 2	0,32	< 2	76	65	< ,3
23,00-24,00	< 2	< 2	0,32	2	157	68	< ,3
24,00-25,00	3	< 2	0,38	4	86	95	< ,3
25,00-26,00	< 2	< 2	0,58	5	54	90	< ,3
26,00-27,00	2	< 2	0,05	6	79	19	< ,3
27,00-28,00	< 2	5	0,53	8	149	172	< ,3
28,00-29,00	3	< 2	0,06	< 2	34	54	< ,3
29,00-30,00	< 2	2	0,50	2	89	92	< ,3
30,00-31,00	< 2	< 2	0,73	< 2	174	146	< ,3
31,00-32,00	< 2	8	0,14	3	158	104	< ,3
32,00-33,00	< 2	< 2	0,15	2	50	79	< ,3
33,00-34,00	< 2	< 2	0,20	< 2	3	110	< ,3
34,00-35,00	2	< 2	0,26	3	73	96	< ,3
35,00-36,00	< 2	< 2	0,39	2	100	82	< ,3
36,00-37,00	< 2	2	0,24	4	132	56	< ,3
37,00-38,00	4	< 2	0,16	< 2	150	43	< ,3
38,00-39,00	5	< 2	0,21	3	150	51	< ,3
39,00-40,00	6	2	0,24	2	72	58	< ,3
40,00-41,00	< 2	< 2	0,41	4	43	78	< ,3
41,00-42,00	< 2	< 2	0,07	2	8	18	< ,3
42,00-43,00	2	< 2	0,11	< 2	62	28	< ,3
43,00-44,00	73	231	0,17	< 2	100	26	< ,3
44,00-45,00	6	< 2	0,27	< 2	111	33	< ,3
45,00-45,25	389	25	0,94	< 2	135	144	< ,3
45,25-45,50	108	391	0,63	< 2	156	156	< ,3
45,50-45,75	1212	4342	0,40	3	129	62	< ,3
45,75-46,00	1450	4515	0,51	< 2	106	45	< ,3
46,00-46,25	469	1628	0,72	5	142	99	< ,3
46,25-46,50	748	5057	0,50	7	86	43	< ,3
46,50-46,75	767	3608	0,42	2	104	59	< ,3
46,75-47,00	528	3574	0,42	4	90	43	< ,3
47,00-47,25	47	181	0,27	6	49	32	< ,3
47,25-47,50	477	6916	0,61	4	84	27	< ,3
47,50-47,75	26	57	1,03	2	8	41	< ,3
47,75-48,00	28	84	0,65	3	2	25	< ,3
48,00-48,25	159	32	0,19	3	1	14	< ,3
48,25-48,50	80	71	0,52	3	1	36	< ,3
48,50-48,75	480	30	0,42	4	6	35	< ,3
48,75-49,00	466	31	1,06	4	4	63	2,3
49,00-49,25	228	50	0,12	2	82	35	< ,3

49,25-49,50	841	4389	0,44	5	93	54	< ,3
49,50-49,75	552	443	0,30	< 2	91	45	< ,3
49,75-50,00	96	1513	0,23	5	103	69	< ,3
50,00-50,25	367	2943	0,59	6	101	62	< ,3
50,25-50,50	1281	5261	0,71	< 2	147	60	< ,3
50,50-50,75	1358	6590	0,68	5	131	46	< ,3
50,75-51,00	337	752	0,55	< 2	143	61	< ,3
51,00-51,25	2324	6618	1,06	2	97	274	0,7
51,25-51,50	22	40	1,72	3	32	424	0,5
51,50-51,75	12	33	0,06	4	46	54	< ,3
51,75-52,00	3	40	0,24	9	49	96	< ,3
52,00-52,25	6	28	2,42	< 2	87	321	0,4
52,25-52,50	4	6	2,27	< 2	127	296	0,3
52,50-52,75	6	17	0,41	2	153	93	< ,3
52,75-53,00	112	272	0,51	4	107	259	< ,3
53,00-53,25	407	469	0,59	4	25	59	< ,3
53,25-53,50	513	663	0,88	3	12	90	< ,3
53,50-53,75	708	5222	1,79	3	4	124	0,4
53,75-54,00	998	16734	1,79	5	7	83	< ,3
54,00-54,25	23	2226	0,40	5	86	71	< ,3
54,25-54,50	8	880	0,53	< 2	80	88	< ,3
54,50-54,75	24	5539	0,97	< 2	94	119	< ,3
54,75-55,00	11	1794	0,50	4	88	106	< ,3

DRILLHOLE KN-5

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
61,75-62,00	1934	13715	1,20	10	128	83	< ,3
62,00-62,25	602	9738	0,85	< 2	137	49	< ,3
62,25-62,50	365	1712	0,45	2	184	47	< ,3
62,50-62,75	2808	15245	1,30	< 2	191	88	0,3
62,75-63,00	9	87	0,45	< 2	30	110	< ,3
63,00-63,25	18	30	0,59	< 2	24	197	< ,3
63,25-63,50	2	17	0,34	2	3	116	< ,3
63,50-63,75	7	25	0,23	4	3	102	< ,3
63,75-64,00	9	62	0,20	< 2	53	91	< ,3
64,00-64,25	61	1496	0,56	< 2	168	130	< ,3
64,25-64,50	752	14773	1,18	< 2	245	71	< ,3
64,50-64,75	191	176	0,45	< 2	159	109	< ,3
64,75-65,00	26	194	0,47	< 2	187	108	< ,3
65,00-65,25	381	5551	1,28	< 2	120	113	< ,3
65,25-65,50	101	263	0,49	2	194	69	< ,3
73,75-74,00	2	20	2,66	< 2	119	181	0,6
74,00-74,25	3	6	4,03	< 2	52	248	0,7
74,25-74,50	8	2	4,40	< 2	60	344	0,9
74,50-74,75	3	< 2	2,26	< 2	80	222	0,6
74,75-75,00	< 2	< 2	1,61	< 2	80	125	0,5
75,00-75,25	2	< 2	1,64	< 2	211	71	< ,3

DRILLHOLE KN-6

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
17,00-17,25	2	< 2	0,13	4	75	105	< ,3
17,25-17,50	< 2	< 2	0,26	< 2	42	209	< ,3
17,50-17,75	< 2	< 2	0,17	5	64	91	< ,3
17,75-18,00	3	< 2	0,11	< 2	20	102	< ,3
18,00-18,25	< 2	< 2	0,22	3	16	113	< ,3
18,25-18,50	3	< 2	0,10	< 2	14	70	< ,3
18,50-18,75	4	< 2	0,22	3	7	128	< ,3
18,75-19,00	16	< 2	0,20	3	8	206	0,7
19,00-19,25	11	< 2	0,02	2	63	79	0,3
19,25-19,50	3	< 2	0,29	3	22	122	< ,3
19,50-19,75	2	2	0,07	< 2	18	21	< ,3
19,75-20,00	8	< 2	0,05	2	4	15	< ,3
20,00-20,25	88	< 2	0,80	2	5	98	< ,3
20,25-20,50	697	< 2	0,25	3	1	14	< ,3
20,50-20,75	8	< 2	0,55	< 2	61	54	< ,3
20,75-21,00	3	< 2	0,52	2	145	172	< ,3
21,00-21,25	2	6	0,36	< 2	138	95	< ,3
21,25-21,50	2	< 2	0,41	8	27	57	< ,3
21,50-21,75	4	< 2	0,68	< 2	5	71	< ,3
21,75-22,00	4	< 2	0,44	< 2	8	73	< ,3
22,00-22,25	6	< 2	0,94	< 2	4	136	0,4
22,25-22,50	5	< 2	2,27	< 2	3	239	< ,3
22,50-22,75	135	< 2	1,26	3	2	133	< ,3
22,75-23,00	10	< 2	0,35	< 2	7	35	0,3
23,00-23,25	3	< 2	0,11	< 2	2	18	< ,3
23,25-23,50	14	2	0,21	2	2	18	< ,3
23,50-23,75	14	2	1,27	3	35	200	0,4
23,75-24,00	4	< 2	1,27	3	180	253	< ,3
24,00-24,25	< 2	< 2	0,38	6	132	215	< ,3
24,25-24,50	2	< 2	0,23	2	90	80	< ,3
24,50-24,75	< 2	2	0,35	6	96	113	< ,3
24,75-25,00	4	< 2	0,21	4	42	130	< ,3
25,00-25,25	3	< 2	0,14	6	121	143	< ,3
25,25-25,50	2	< 2	0,08	3	104	107	< ,3
25,50-25,75	4	< 2	0,27	6	70	274	< ,3
25,75-26,00	4	< 2	0,16	10	26	123	< ,3

DRILLHOLE KN-7

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
25,00-25,25	< 2	< 2	0,51	4	21	170	< ,3
25,25-25,50	4	2	0,08	7	73	85	< ,3
25,50-25,75	< 2	4	0,43	8	31	202	< ,3
25,75-26,00	< 2	< 2	0,13	6	46	95	< ,3
26,00-26,25	< 2	< 2	0,11	5	31	90	< ,3
26,25-26,50	8	< 2	0,03	3	21	44	< ,3
26,50-26,75	5	< 2	0,02	4	44	36	< ,3
26,75-27,00	2	< 2	0,02	6	44	14	< ,3

27,00-27,25	6	< 2	0,34	5	153	51	< ,3
27,25-27,50	< 2	< 2	0,62	< 2	2	86	< ,3
27,50-27,75	2	< 2	0,27	6	75	74	< ,3
27,75-28,00	< 2	< 2	0,11	5	82	92	< ,3
28,00-28,25	5	< 2	0,11	7	139	79	< ,3
28,25-28,50	< 2	< 2	0,15	4	73	78	< ,3
28,50-28,75	< 2	< 2	0,07	6	30	52	< ,3
28,75-29,00	2	< 2	0,49	2	78	161	< ,3
29,00-29,25	5	< 2	0,55	< 2	14	74	< ,3
29,25-29,50	641	2	0,74	3	4	51	< ,3
29,50-29,75	6	< 2	0,55	11	55	127	< ,3
29,75-30,00	8	2	0,49	5	79	115	< ,3
30,00-30,25	4	< 2	0,29	8	118	102	< ,3
30,25-30,50	4	< 2	0,40	6	139	145	< ,3
30,50-30,75	< 2	< 2	0,33	6	49	111	< ,3
30,75-31,00	2	< 2	0,06	4	31	28	< ,3

DRILLHOLE KN-9

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
17,00-17,25	476	8298	0,54	8	126	50	< ,3
17,25-17,50	474	1892	0,22	10	101	80	< ,3
17,50-17,75	258	350	0,40	4	96	82	< ,3
17,75-18,00	106	118	0,27	4	98	88	< ,3
18,00-18,25	1621	128	0,01	< 2	100	50	< ,3
18,25-18,50	5	< 2	0,01	< 2	76	11	< ,3
18,50-18,75	6	6	0,01	2	31	12	< ,3
18,75-19,25	< 2	122	0,02	2	30	9	< ,3
19,00-19,25	3	203	0,07	2	86	45	< ,3
19,25-19,50	7	161	0,18	< 2	70	76	< ,3
19,50-19,75	10	9	1,50	3	10	180	< ,3
19,75-20,00	8	11	3,34	< 2	56	216	< ,3
20,00-20,25	7	6	3,29	< 2	49	130	< ,3
20,25-20,50	2061	7	0,77	2	2	43	1
20,50-20,75	199	16	0,60	3	44	46	< ,3
20,75-21,00	49	153	0,47	< 2	57	45	< ,3
21,00-21,25	40	321	0,50	2	87	46	< ,3
21,25-21,50	4	< 2	0,13	2	141	32	< ,3
21,50-21,75	14	842	0,12	7	163	22	< ,3
21,75-22,00	153	< 2	0,45	3	129	51	< ,3
22,00-22,25	280	3003	1,13	< 2	7	80	< ,3
22,25-22,50	318	235	2,78	3	15	292	0,3
22,50-22,75	2071	246	1,61	5	14	228	2,1
22,75-23,00	2939	462	1,91	3	9	283	0,5
23,00-23,25	2454	148	0,91	< 2	8	180	0,4
23,25-23,50	5971	67	1,96	< 2	6	51	0,3
23,50-23,75	916	186	1,11	3	16	55	0,5
23,75-24,00	162	365	0,31	3	17	55	< ,3
24,00-24,25	74	295	0,01	< 2	89	71	< ,3
24,25-24,50	66	146	0,03	11	95	75	0,3
24,50-24,75	16	4	0,07	11	51	34	< ,3

24,75-25,00	67	85	0,12	12	123	145	0,3
25,00-25,25	37	209	0,04	6	157	99	< ,3
25,25-25,50	5	109	0,03	6	160	86	< ,3
25,50-25,75	3	< 2	0,10	6	49	97	< ,3
25,75-26,00	3	< 2	0,02	4	39	79	< ,3

DRILLHOLE KN-10

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
20,00-20,25	28	< 2	0,17	< 2	67	128	1,7
20,25-20,50	2	< 2	0,13	2	65	113	< ,3
20,50-20,75	3	< 2	0,07	< 2	93	94	< ,3
20,75-21,00	3	< 2	0,10	< 2	32	104	< ,3
21,00-21,25	4	< 2	0,02	< 2	47	43	< ,3
21,25-21,50	4	< 2	0,17	< 2	54	153	< ,3
21,50-21,75	3	< 2	0,04	< 2	7	11	0,3
21,75-22,00	5	< 2	< ,01	< 2	37	34	< ,3
22,00-22,25	< 2	< 2	< ,01	< 2	68	10	< ,3
22,25-22,50	5	3	0,01	2	176	34	< ,3
22,50-22,75	4	< 2	0,42	3	15	91	< ,3
22,75-23,00	4	< 2	0,31	< 2	179	125	< ,3
23,00-23,25	< 2	2	0,30	4	155	114	< ,3
23,25-23,50	5	< 2	0,10	< 2	147	64	0,6
23,50-23,75	2	< 2	0,61	2	39	70	< ,3
23,75-24,00	3	< 2	0,01	< 2	81	13	< ,3
24,00-24,25	4	2	0,10	3	4	16	< ,3
24,25-24,50	71	6	0,08	4	35	14	< ,3
24,50-24,75	4	3	< ,01	< 2	80	19	< ,3
24,75-25,00	3	< 2	0,01	< 2	22	58	< ,3
25,00-25,25	< 2	3	0,12	5	59	105	< ,3
25,25-25,50	4	< 2	0,07	< 2	60	55	< ,3
25,50-25,75	< 2	< 2	0,24	< 2	24	258	< ,3
25,75-26,00	4	< 2	0,08	< 2	8	107	< ,3
26,00-26,25	< 2	< 2	0,19	< 2	139	124	< ,3
26,25-26,50	3	< 2	0,13	< 2	130	82	< ,3
26,50-26,75	2	< 2	0,13	< 2	176	87	< ,3
26,75-27,00	< 2	2	0,13	3	131	101	< ,3

DRILLHOLE KN-11

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
5,00-6,00	2	< 2	0,11	< 2	8	94	< ,3
6,00-7,00	3	2	0,20	6	12	100	< ,3
7,00-8,00	< 2	< 2	0,24	2	48	72	< ,3
8,00-9,00	3	< 2	0,24	< 2	130	70	< ,3
9,00-10,00	< 2	< 2	0,15	< 2	146	64	< ,3
10,00-11,00	< 2	< 2	0,19	2	114	58	< ,3
11,00-12,00	5	< 2	0,36	< 2	114	84	< ,3
12,00-13,00	2	< 2	0,38	< 2	92	117	< ,3
13,00-14,00	3	< 2	0,09	< 2	31	42	< ,3

14,00-15,00	2	< 2	0,22	4	137	109	< ,3
15,00-16,00	2	< 2	0,20	< 2	131	92	< ,3
16,00-17,00	5	< 2	0,17	5	89	54	< ,3
17,00-18,00	3	< 2	0,27	2	75	76	< ,3
18,00-19,00	47	< 2	0,26	< 2	131	63	< ,3
19,00-20,00	4	< 2	0,28	< 2	71	68	< ,3
20,00-21,00	2	2	0,09	2	22	65	< ,3
21,00-22,00	3	< 2	0,32	< 2	34	97	< ,3
22,00-22,25	< 2	< 2	0,15	2	15	68	< ,3
22,25-22,50	< 2	3	0,10	4	36	89	< ,3
22,50-22,75	2	< 2	0,21	< 2	73	115	< ,3
22,75-23,00	< 2	< 2	0,10	< 2	18	84	< ,3
23,00-23,25	< 2	< 2	0,15	< 2	6	113	< ,3
23,25-23,50	4	< 2	0,18	< 2	26	104	< ,3
23,50-23,75	< 2	< 2	0,18	2	51	99	< ,3
23,75-24,00	6	< 2	0,36	< 2	38	143	< ,3
24,00-24,25	< 2	< 2	0,37	< 2	14	148	< ,3
24,25-24,50	10	< 2	1,22	< 2	3	536	0,3
24,50-24,75	5	< 2	0,42	< 2	1	92	< ,3
24,75-25,00	3	< 2	0,09	< 2	2	102	< ,3
25,00-25,25	< 2	< 2	0,20	< 2	32	58	< ,3
25,25-25,50	9	< 2	1,63	3	3	203	< ,3
25,50-25,75	8	< 2	1,31	< 2	2	155	< ,3
25,75-26,00	258	< 2	1,68	2	33	168	< ,3
26,00-26,25	8	4	1,10	3	4	255	0,3
26,25-26,50	5	< 2	0,15	< 2	95	99	< ,3
26,50-26,75	3	< 2	0,07	< 2	150	70	< ,3
26,75-27,00	3	< 2	0,10	2	104	91	< ,3
27,00-27,25	44	2	0,18	3	19	98	< ,3
27,25-27,50	15	< 2	0,18	< 2	5	83	< ,3
27,50-27,75	7	< 2	0,57	2	16	85	< ,3
27,75-28,00	13	2	0,80	< 2	67	95	< ,3

DRILLHOLE KN-12

Depth	Au** ppb	As ppm	S %	Sb ppm	Ba ppm	Cu ppm	Ag ppm
6,40-7,00	6	< 2	0,04	4	73	60	< ,3
7,50-8,50	18	< 2	0,11	< 2	149	130	< ,3
8,50-9,50	16	< 2	0,05	< 2	102	77	< ,3
9,50-10,50	5	< 2	0,07	3	95	91	< ,3
10,50-11,50	5	< 2	0,19	4	60	108	< ,3
11,50-12,50	5	< 2	0,20	< 2	57	110	< ,3
12,50-13,50	5	10	0,20	< 2	64	143	< ,3
13,50-14,50	4	< 2	0,07	< 2	57	136	< ,3
14,50-15,50	3	3	0,10	< 2	33	84	< ,3
15,50-16,50	5	< 2	0,32	< 2	13	126	< ,3
16,50-17,50	5	5	0,13	< 2	51	98	< ,3
17,50-18,50	6	5	0,52	3	121	91	< ,3
18,50-19,50	402	608	0,34	< 2	117	104	< ,3
19,50-20,50	5	10	0,26	3	120	114	< ,3
20,50-21,50	4	3	0,20	2	45	125	< ,3

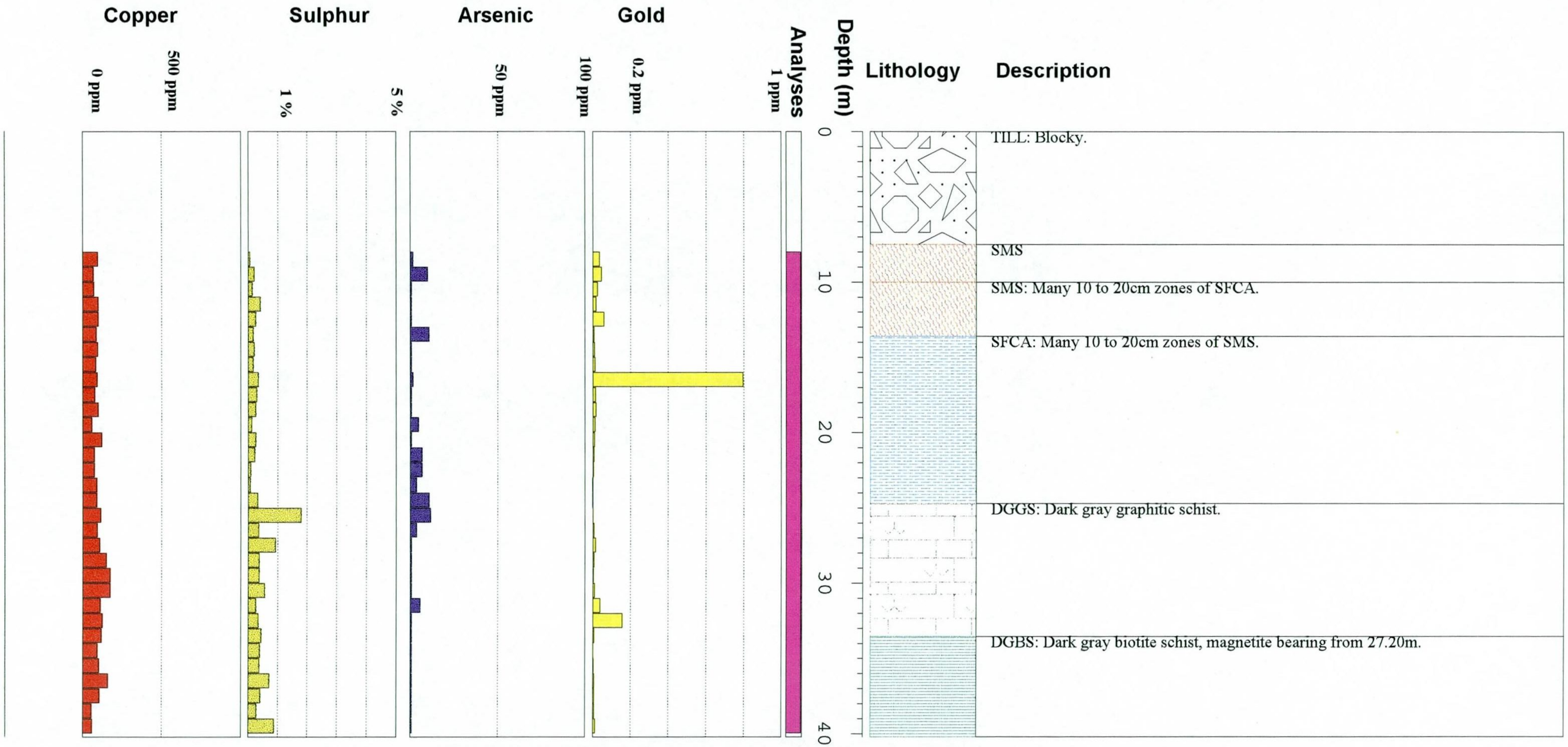
21,50-22,50	5	< 2	0,23	< 2	49	131	< ,3
22,50-23,50	7	< 2	0,48	< 2	56	142	< ,3
23,50-24,50	3	< 2	0,32	< 2	65	102	< ,3
24,50-25,50	2	4	0,42	2	59	75	< ,3
25,50-26,50	6	< 2	0,52	< 2	78	91	< ,3
26,50-27,50	9	< 2	1,05	< 2	95	144	< ,3
27,50-28,50	8	< 2	0,35	< 2	4	75	< ,3
28,50-29,50	4	< 2	1,09	< 2	45	115	< ,3
29,50-30,50	6	< 2	0,42	< 2	19	82	< ,3
30,50-31,50	9	< 2	0,31	< 2	5	85	< ,3
31,50-32,50	10	< 2	1,77	< 2	2	174	< ,3
32,50-33,50	8	< 2	0,59	< 2	5	122	< ,3
33,50-34,50	2	< 2	1,36	2	73	149	< ,3
34,50-35,50	2	< 2	0,22	< 2	14	66	< ,3
35,50-36,50	2	3	0,20	< 2	3	96	< ,3
36,50-37,50	< 2	< 2	0,18	< 2	2	94	< ,3
37,50-38,50	< 2	< 2	0,22	< 2	23	109	< ,3
38,50-39,50	2	< 2	0,16	< 2	203	74	< ,3
39,50-40,50	3	< 2	0,22	< 2	115	93	< ,3

Appendix 3

Core logs, drillholes KN-1 to KN-12.

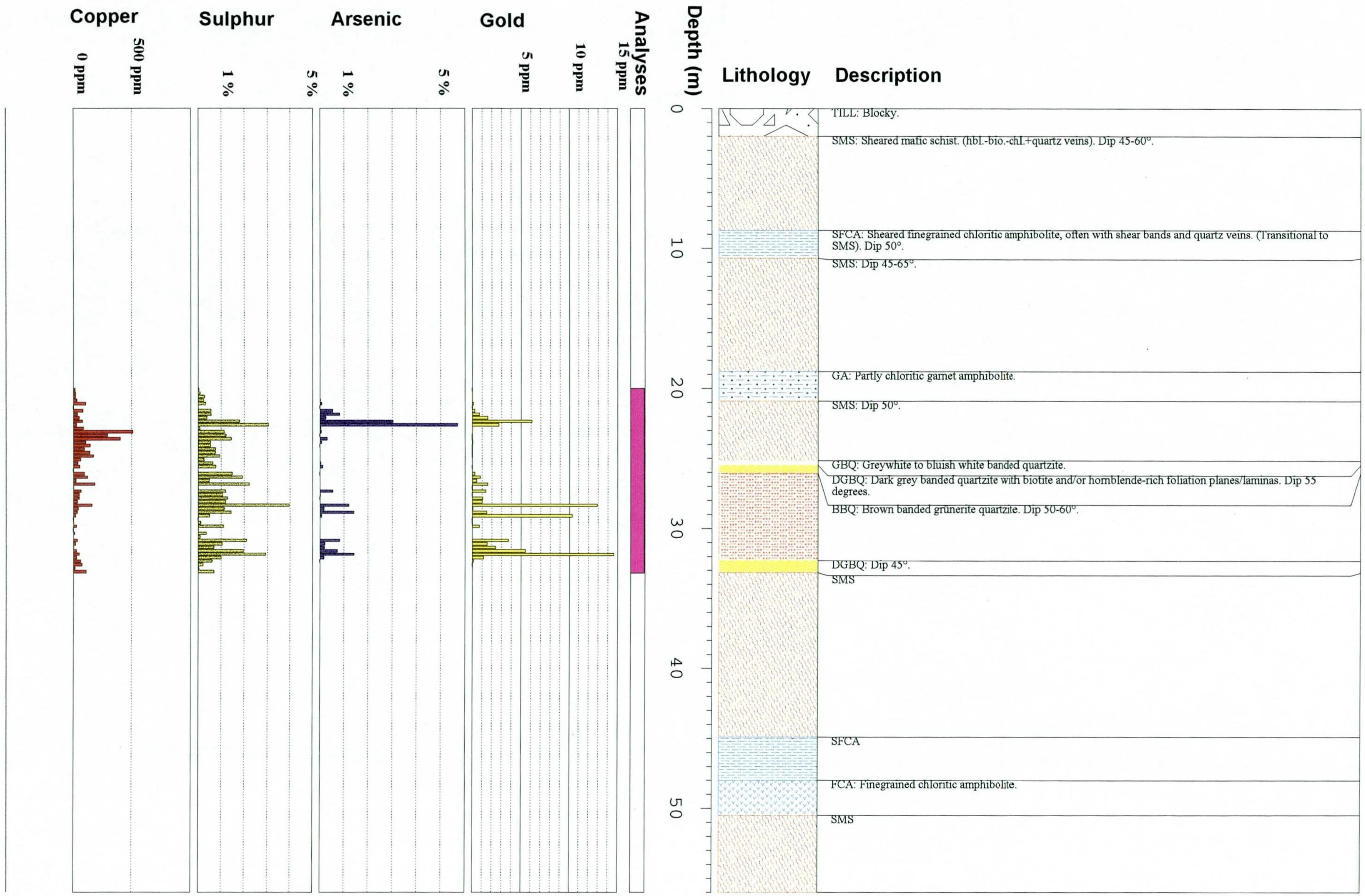
GJEDDEVANN GOLD PROJECT

Drillhole KN-1



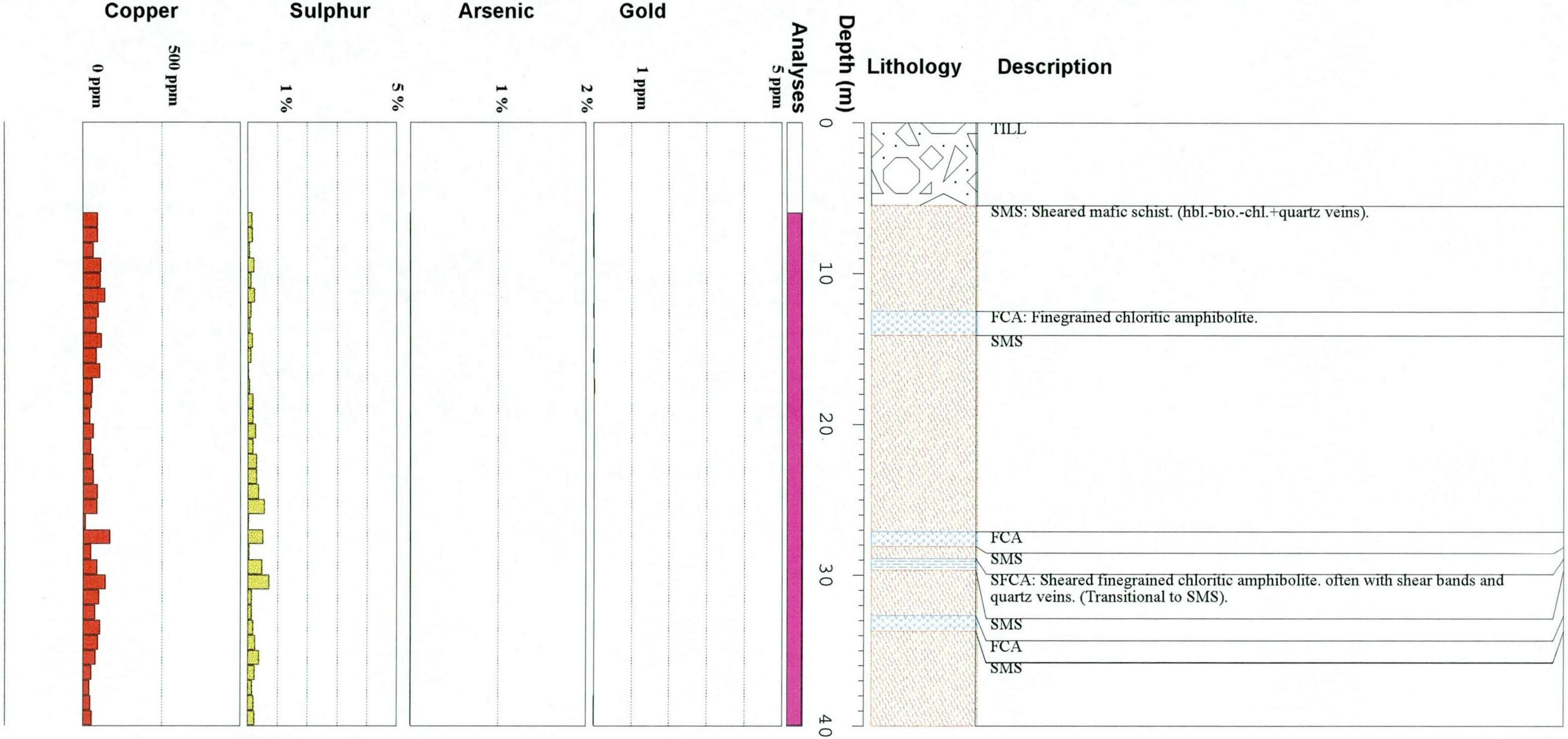
GJEDDEVANN GOLD PROJECT

Drillhole KN-2



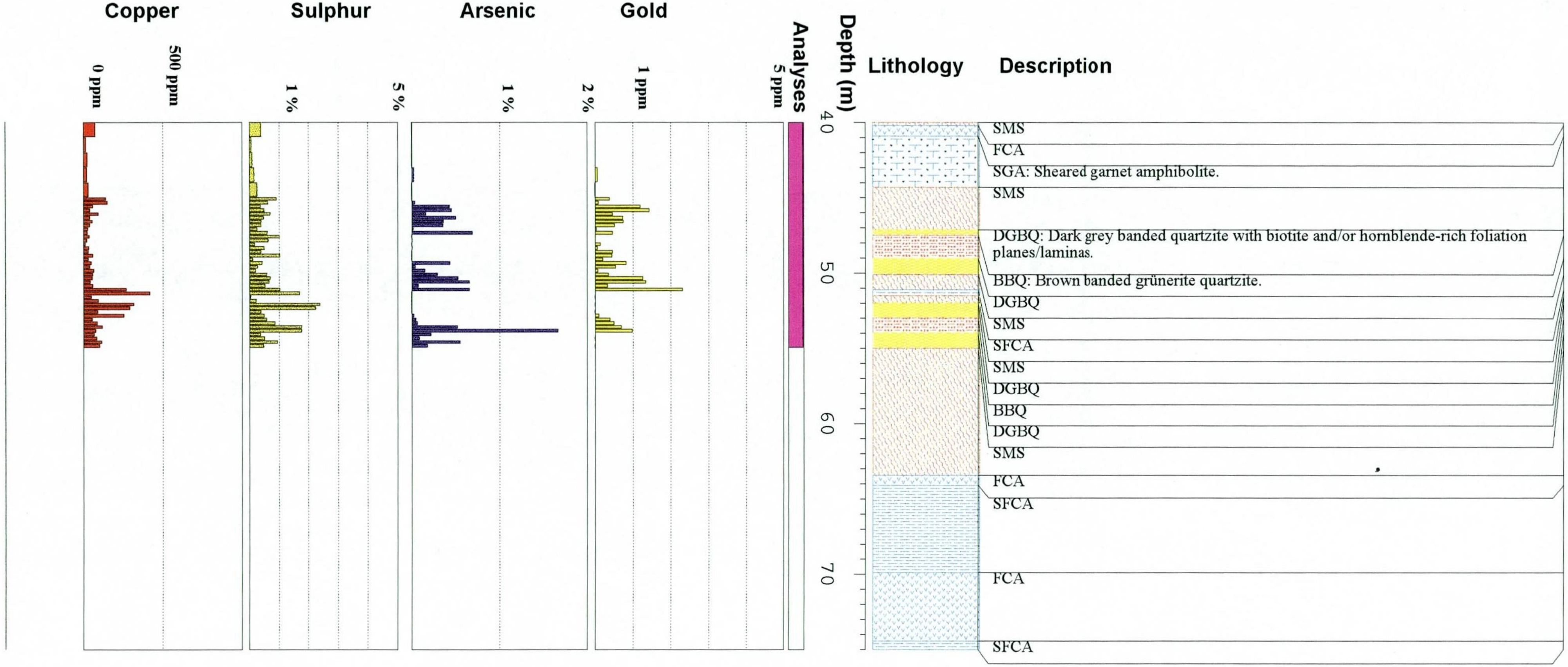
GJEDDEVANN GOLD PROJECT

Drillhole KN-3, 0-40m



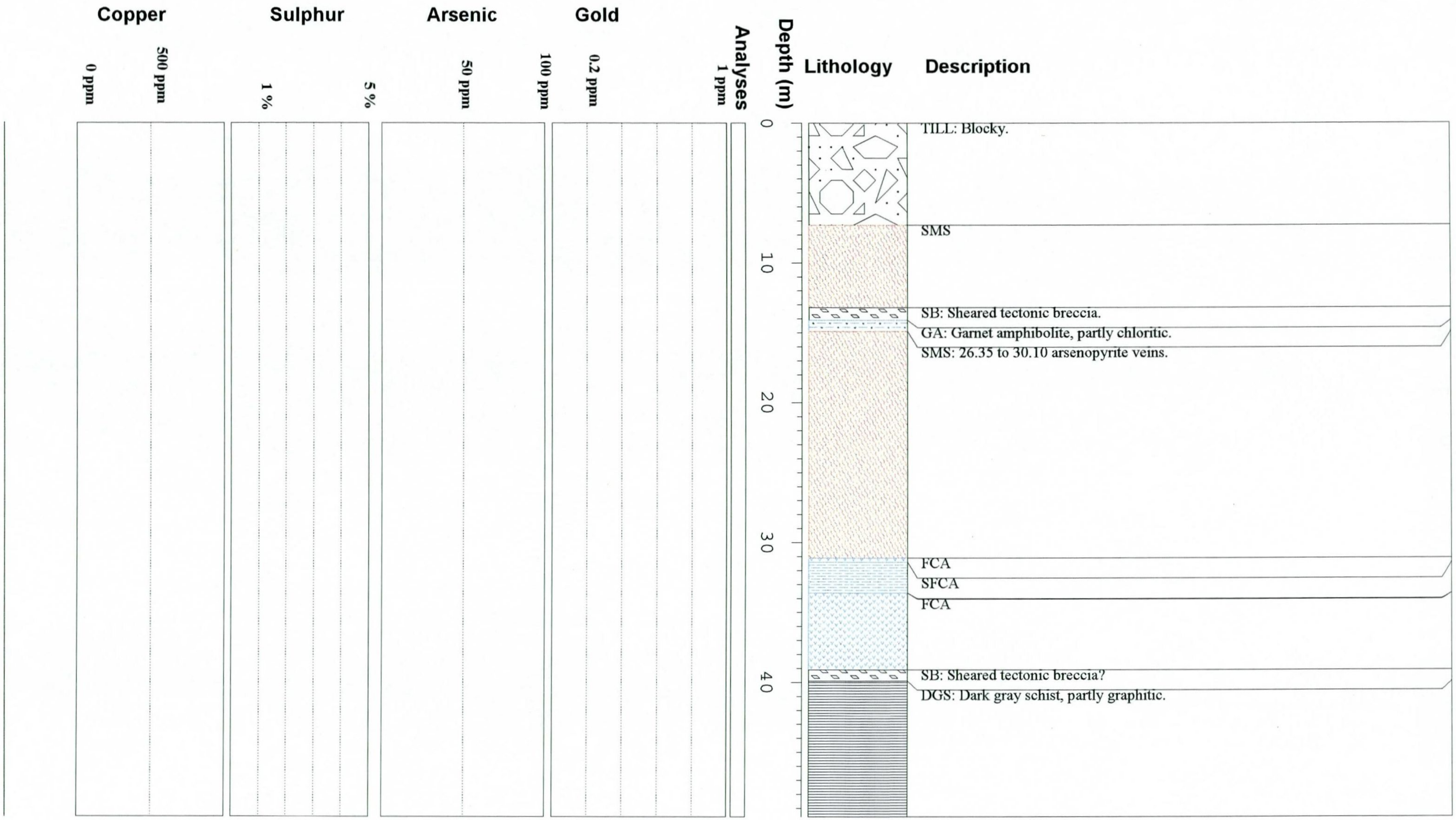
GJEDDEVANN GOLD PROJECT

Drillhole KN-3, 40-75m



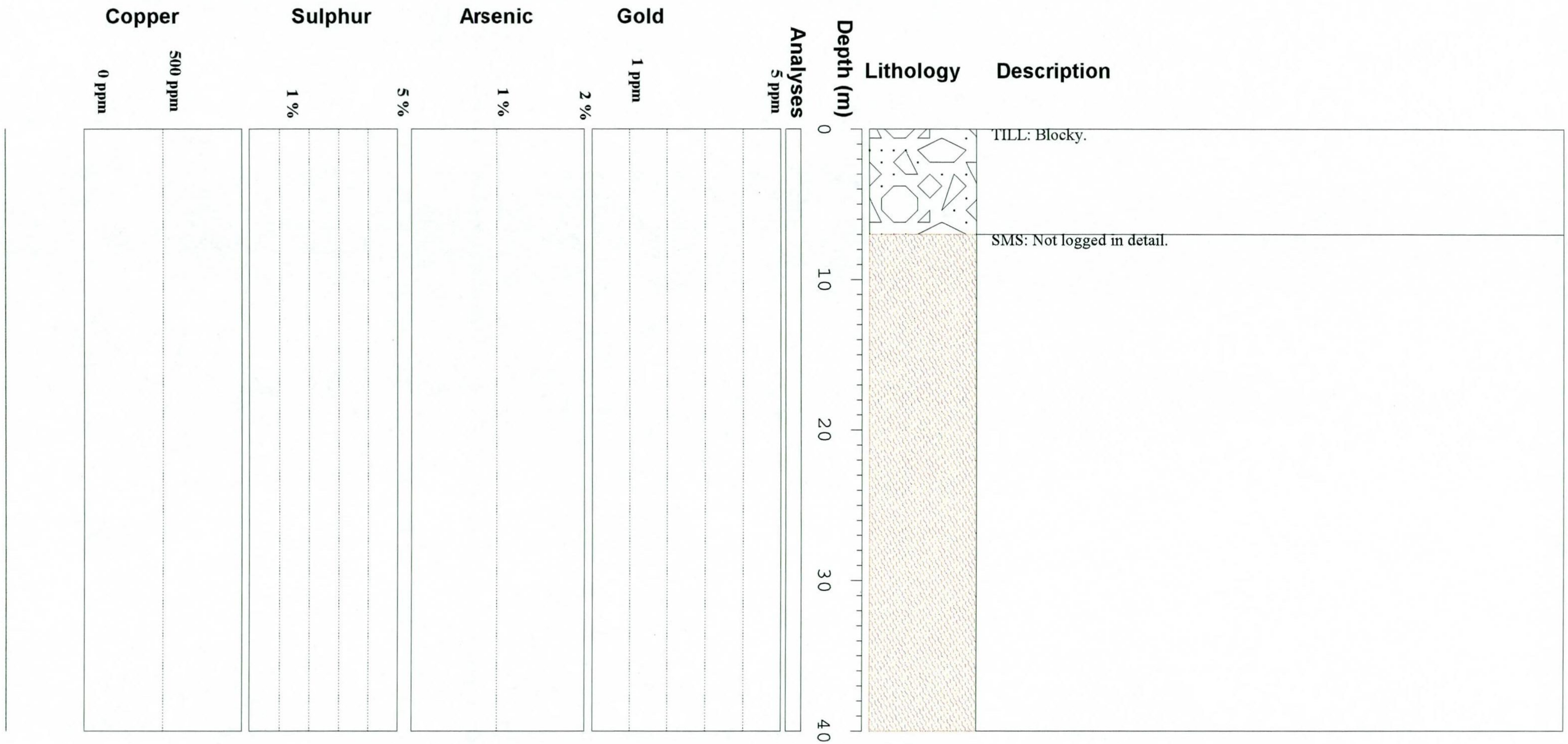
GJEDDEVANN GOLD PROJECT

Drillhole KN-4



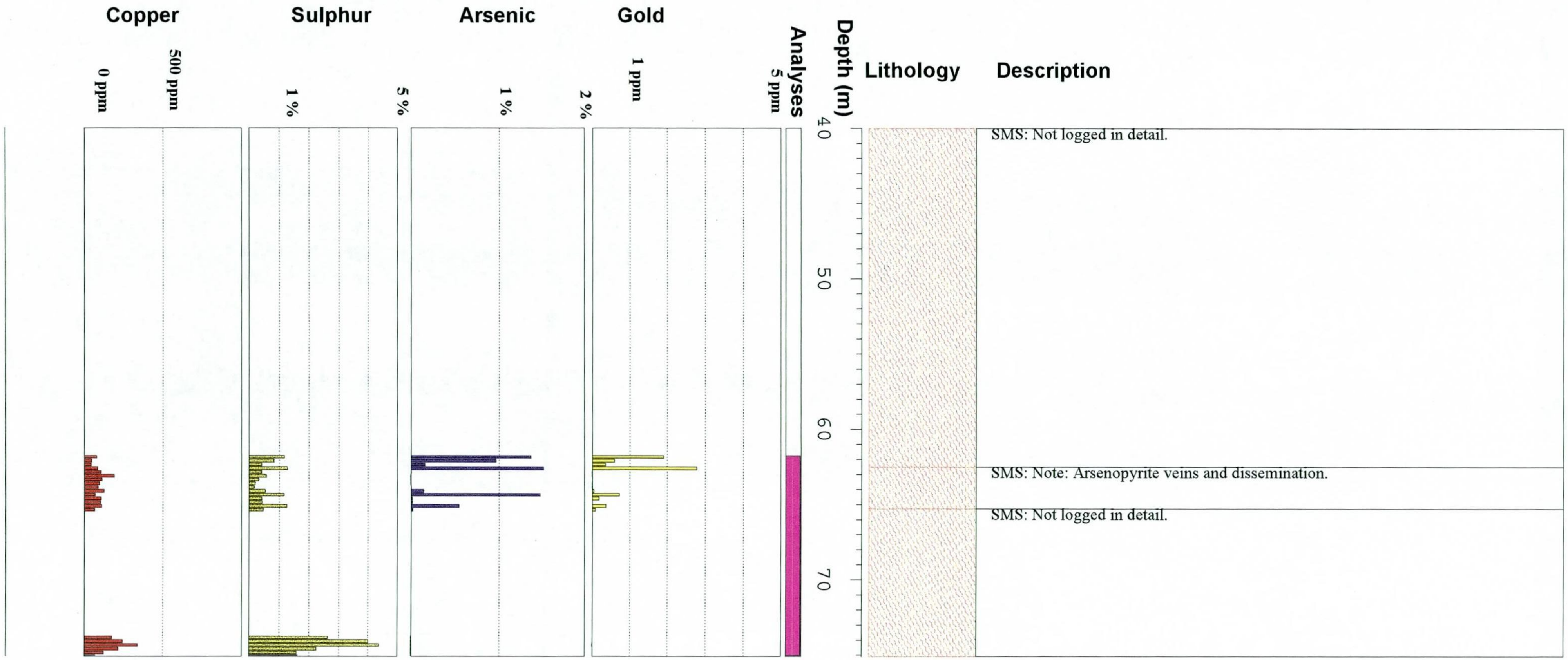
GJEDDEVANN GOLD PROJECT

Drillhole KN-5, 0-40m



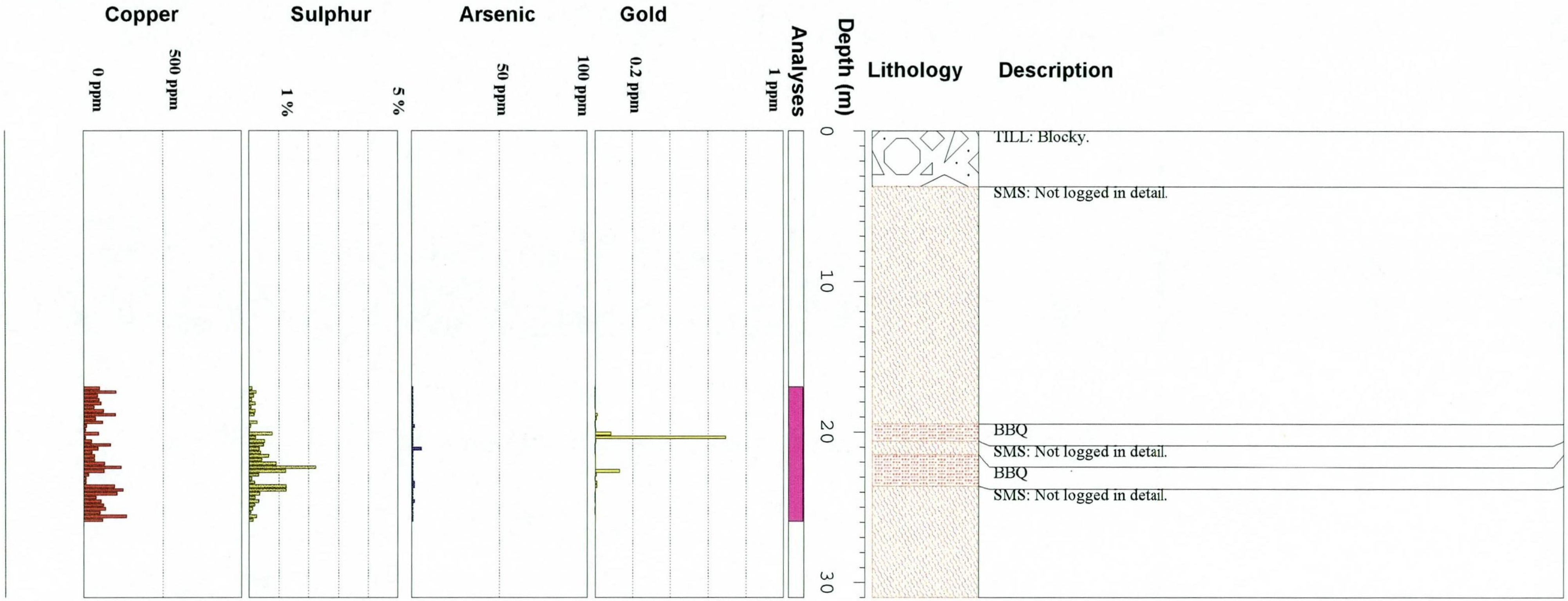
GJEDDEVANN GOLD PROJECT

Drillhole KN-5, 40-75.1m



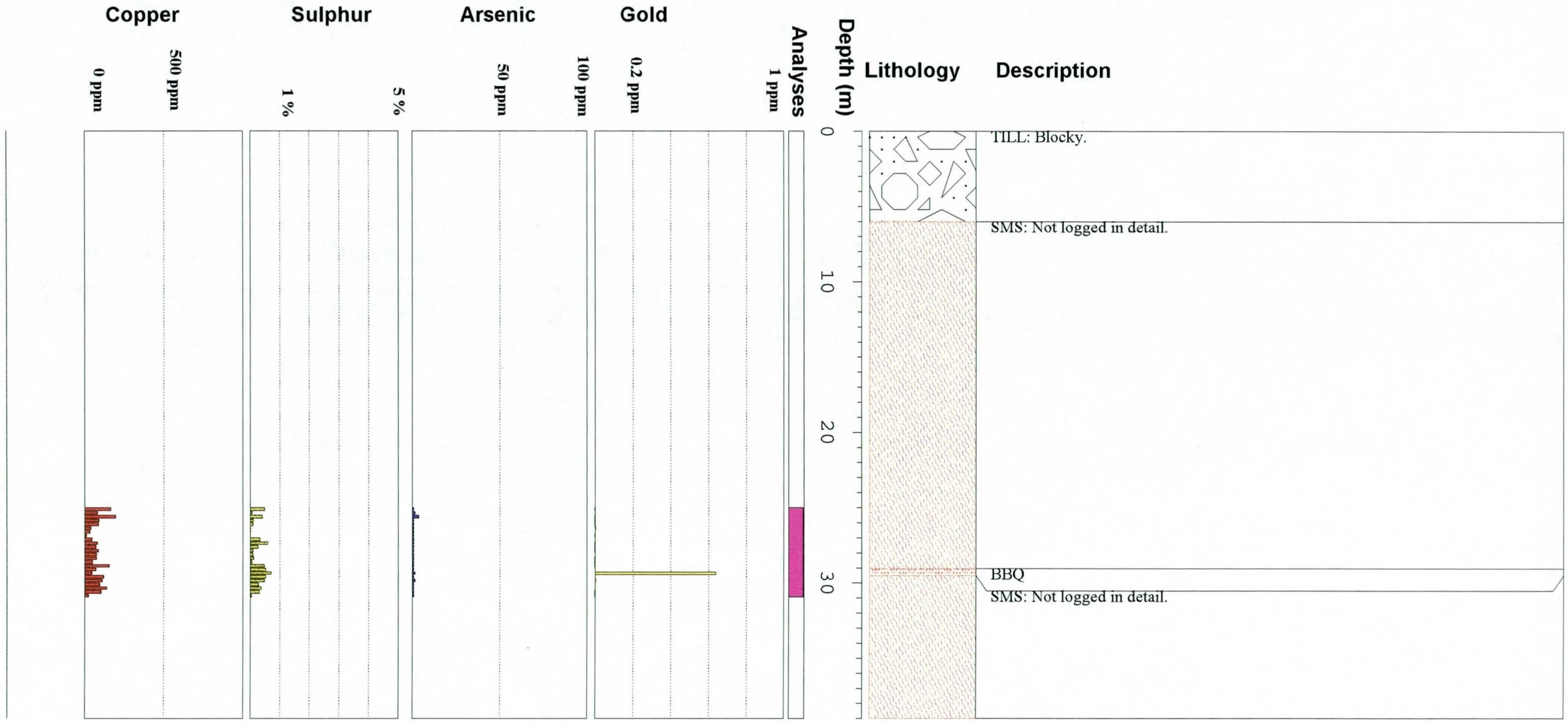
GJEDDEVANN GOLD PROJECT

Drillhole KN-6



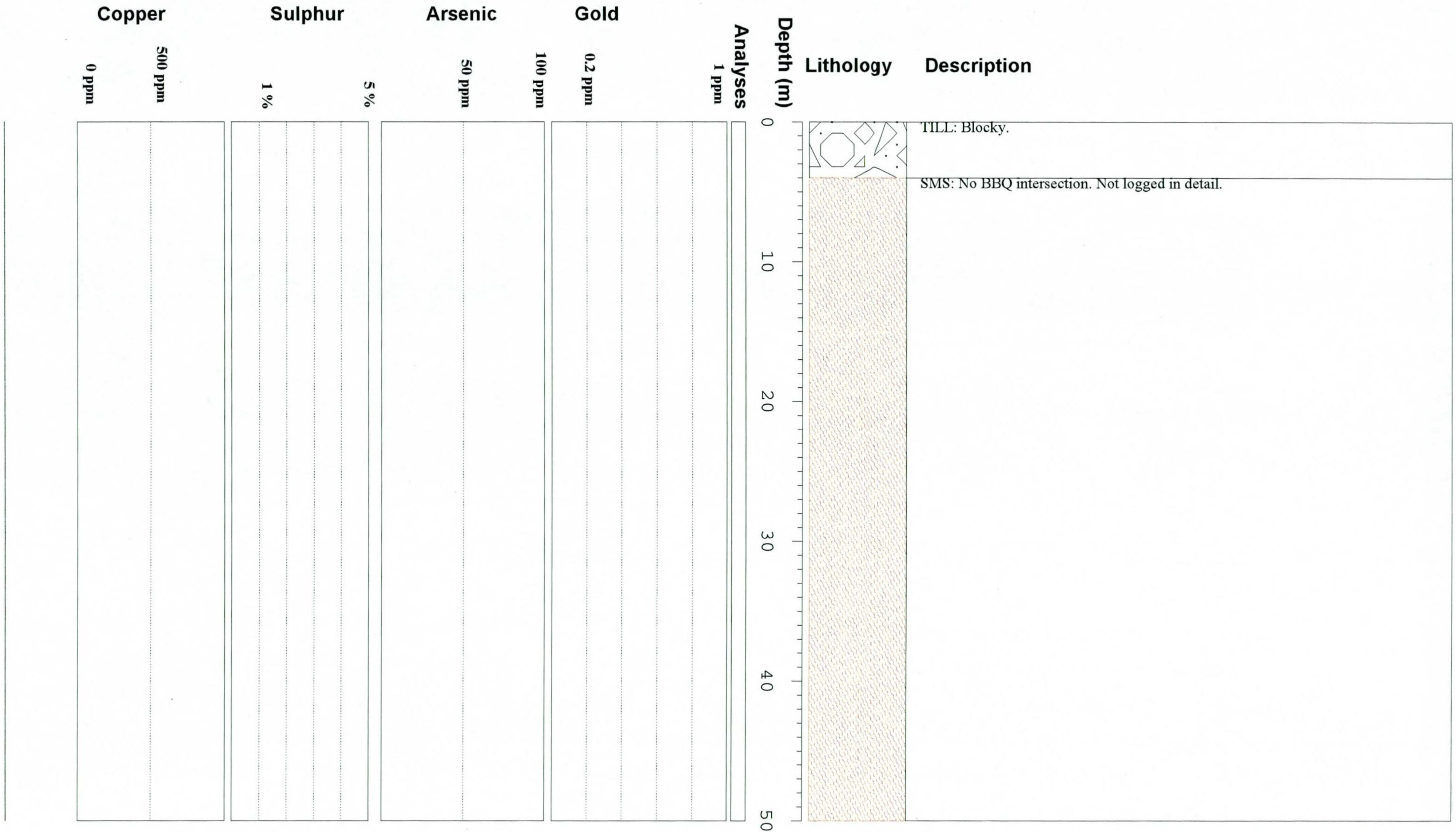
GJEDDEVANN GOLD PROJECT

Drillhole KN-7



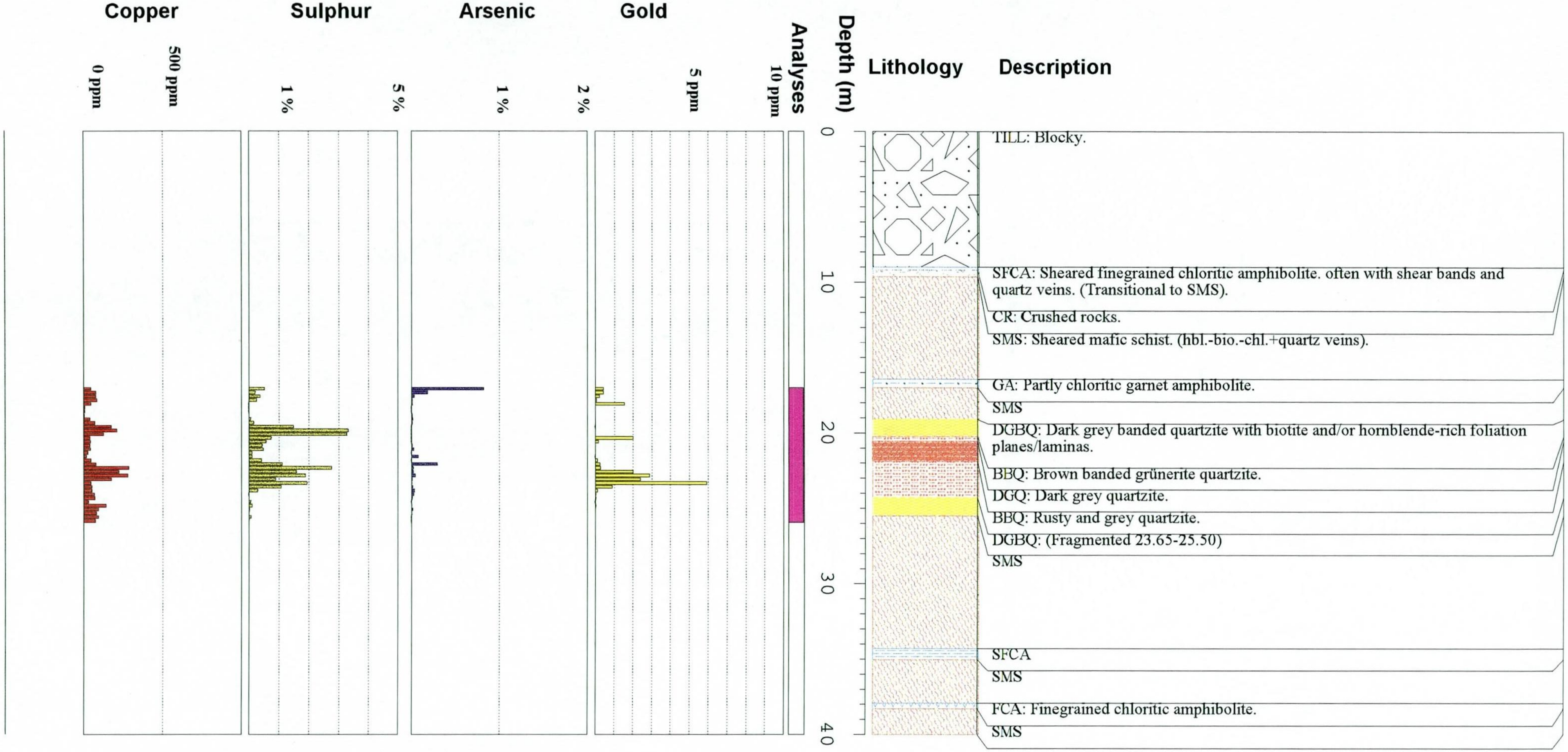
GJEDDEVANN GOLD PROJECT

Drillhole KN-8



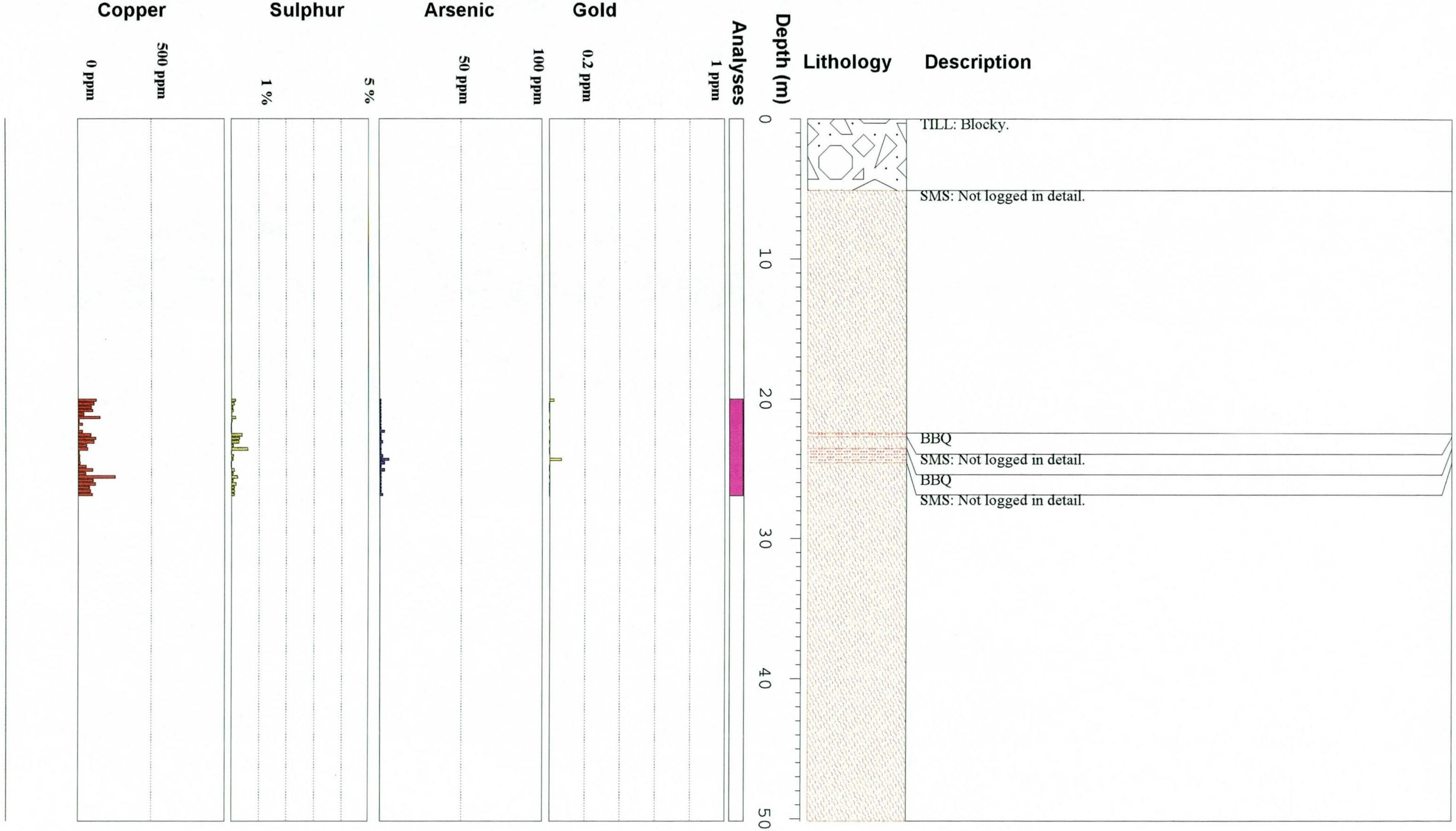
GJEDDEVANN GOLD PROJECT

Drillhole KN-9



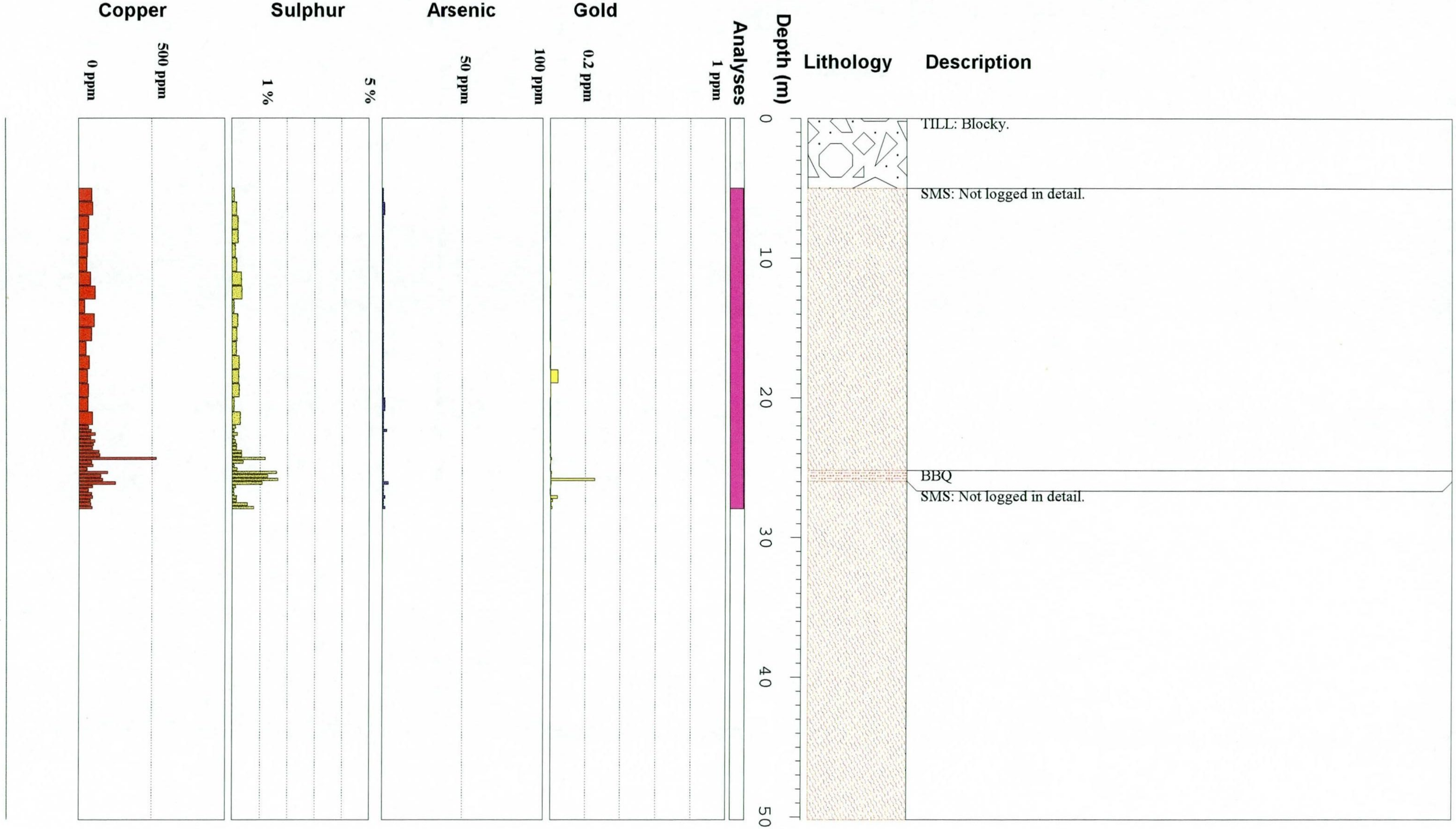
GJEDDEVANN GOLD PROJECT

Drillhole KN-10



GJEDDEVANN GOLD PROJECT

Drillhole KN-11



GJEDDEVANN GOLD PROJECT

Drillhole KN-12