faults and around the Mt. Me mineralized granitic stock. Silver anomalous zones are situated on the peripheries of granitic masses around Mt. Ginh and along the fault zone on the east of Mt. Ginh.

Anomalous zones of Sn-W-Sb-As appear mainly around the Mt. Me mineralized granitic stock and on the peripheries of granitic masses around Mt. Cho and Ta Leo.

Anomalous zones of Cu-Ni-Cr are located on the area where Mt. Pan and Mt. Me gabbroic masses occur, and in addition on the fault zones in the east and west.

Anomalous zones of Pb-Zn-Mn are situated around the Mt. Pan and Mt. Me gabbroic masses and the Mt. Me granitic stock as well as on the peripheries of granitic masses around Mt. Cho and Ta Leo. Besides, anomalous zones are located along tectonic lines such as faults in the east and west.

(4) Extraction of important areas

The following important areas are extracted, on the basis of the study about anomalous zones delineated on the geochemical anomaly maps through statistical data-processing, and also of consideration about comparing with the average composition of the earth's crust and principal rocks as well as about overlapped area of elements with good correlation.

- Area around Mt. Me, 4 km north of Thuong Xuan; (Au)
- Western foot of Mt. Me, 3 km northwest of Thuong Xuan; (Au-Sn-W-Sb-As)
- Western foot of Mt. Cho and Ta Leo, 19 km west of Thuong Xuan; (Sn-W-Sb-As)

2.2. Soil Geochemical Exploration

2.2.1. Objectives

The Bu Me tin-tungsten Prospect is developed in and around felsic intrusive rocks as previously stated. This prospect occur as stockworks, veins, and dissemination. However, the areal extent of the prospect is not clear because of wide soil cover. Therefore, soil geochemistry was employed for the following purposes during the present survey.

a) to delineate the mineralization zone in the Ho Say Block and the Ho Ton Block (called the Northern Block hereunder; sampling lines A to K).

b) to study potential of mineral deposits in an unsurveyed area between the Ho Ton Block and the Ho Kin Block (called the Southern Block hereunder; sampling lines L to Q).

2.2.2. Sampling and chemical analysis

Seventeen nearly straight sampling lines and sampling points of every 20 m apart on each sampling line were fixed as shown in Plate 13 and about 100 g of samples were collected from a soil layer about 30 cm deep (B-layer) at each point. Number of samples is 241 as listed in the table below.

Sampling line	Number of samples	Length of line(m)	Sampling line	Number of samples	Length of line(m)
A	25	500	I	13	260
B	23	460	J	9	180
C	9	180	K	14	280
D	9	180	L	23	460
E	7	140	M	31	620
F	7	140	N	17	340
G	9	180	P	15	300
H	9	180	Q	21	420
			Total	241	4,820

Samples were sieved after drying and a fraction of 1mm under was sent to the laboratory (Geoscience Laboratory of Bishimetal Exploration Co.,Ltd.) and were analyzed for 13 elements of Au, Ag, Cu, Pb, Zn, As, Cr, Hg, Mn, Ni, Sb, Sn, and W. Magnesium was also analysed for information and the results are recorded in Appendix 8. Detection limits and analytical methods used are the same as those of the Van Yen Area (Part Ⅲ, Chapter 2,2.1.).

2.2.3. Statistical data-processing

The methods of statistical data-processing are same as those employed in the other geochemical exploration.

(1) Analytical values

Analytical values are listed in Appendix 8. Characteristics of values for each element are as follows:

Au

Gold contents of 46 % of samples are below the detection limit. The maximum value is 82 ppb. The contents are generally low. Points of higher contents are concentrated in the Northern Block and the most of the contents in the Southern Block are below the detection limit.

Ag

Silver contents of 37 % of samples are below the detection limit. The maximum values is very low as 8.6 ppm.

Cu

No samples are below the detection limit. The maximum value is 327 ppm. Copper contents are higher in the Northern Block and lower as several ppm than in the Southern Block.

Pb

No samples are below the detection limit. The maximum value is 1,380 ppm. Points of higher contents are scattered in both the Northern and Southern Blocks.

Zn

No samples are below the detection limit. The maximum value is 995 ppm. Points of higher contents of hundreds ppm order are concentrated in the Northern Block and the most of contents in the Southern Block are below 100 ppm.

As

No samples are below the detection limit. The maximum value is 3,737 ppm. There is a very distinct regional difference in contents. Contents of nearly 1,000 ppm are detected in the Northern Block, but tens ppm order in the Southern Block.

Sn

No samples are below the detection limit. The maximum value is 2,470 ppm. There is a distinct regional difference in contents. Contents of

hundreds ppm order are detected in the Northern Block, but tens ppm order in the Southern Block.

W

The tendency is same as that of Sn.

Mn

No samples are below the detection limit. The maximum value is 15,622 ppm. There is a distinct regional difference in contents. Contents of thousands ppm order are detected in the Northern Block, but hundreds ppm order in the Southern Block.

Ni

Nickel contents of two samples are below the detection limit. The maximum value is 175 ppm. Generally the contents are tens ppm order and contents of hundreds ppm order are sparse. Contrary to the above elements, points of higher contents are concentrated in the Southern Block, but few in the Northern Block.

Cr

No samples are below the detection limit. The maximum value is 711 ppm. The same regional difference as Ni, tens ppm order in the Northern Block and hundreds ppm order in the Southern Block, is observed.

Sb

Antimony content of 3 % of samples are below the detection limit. The maximum value is 43.3 ppm. The same regional difference as Ni and Cr, ppm order in the Northern Block and tens ppm order in the Southern Block, are observed.

Hg

No samples are below the detection limit. The maximum value is 1,718 ppm. There is a regional difference in contents. Contents of tens to hundreds ppm orders are detected in the Northern Block, but mostly tens ppm order in the Southern Block.

(2) Elemental statistics

Elemental statistics parameters are shown in Table Ⅳ-2-3.

(3) Histograms of assay results

Histograms of assay results of each element are shown in Figure Ⅳ-2-2. Elements Hg, Mn and Pb show log-normal distribution patterns, and they do not indicate mineralization. Frequency peaks of Au and Ag are at the field below detection limit, showing their generally low contents. The patterns of the rest suggest existence of mineralization aside from their magnitudes.

(4) Correlation

Correlation coefficients are listed in Table Ⅳ-2-4. The following 11 pairs show positive correlation coefficients of over 0.7.

Cu-As	0.8734	Cu-Zn	0.7610
Ni-Cr	0.8680	Cu-W	0.7318
Sn-Zn	0.7981	Au-W	0.7249
Zn-Mn	0.7965	Au-Zn	0.7192
Zn-W	0.7940	Mn-W	0.7051
As-W	0.7825		

2.2.4. Geochemical anomalies and anomalous zones

(1) Threshold values and anomalies

The values of mean value+standard deviation ($M+\sigma$) are used for threshold values. Besides, anomalies were divided into the following two groups.

Strong anomalies: $M+2\sigma \leqq$

Weak anomalies : $M+\sigma \leqq$, $< M+2\sigma$

The list below shows ranges of threshold values for strong and weak anomalies on each element.

Table Ⅳ-2-3 Elemental Statistics Parameters in Soil Geochemistry of the Western Thanh Hoa Area

Element	Minimum value	Maximum value	Meam(M)	Standard deviation	Threshold	
					M+σ	M+2σ
Au(ppb)	0.5	82	1.48	0.51	4.73	15.17
Ag(ppm)	0.01	8.58	0.11	0.84	0.76	5.30
As(ppm)	2.8	3737	172.10	0.79	1066.33	6607.14
Cr(ppm)	5	711	46.41	0.50	145.19	454.21
Cu(ppm)	2.5	347.8	35.61	0.48	107.95	327.24
Hg(ppb)	18	1718	84.89	0.29	164.89	320.29
Mg (%)	0.05	1.53	0.04	0.46	0.12	0.35
Mn(ppm)	165	15622	1104.24	0.42	2901.35	7623.20
Ni(ppm)	0.5	175	12.76	0.44	34.80	94.91
Pb(ppm)	5.1	1380	89.29	0.35	198.25	440.20
Sb(ppm)	0.1	43.3	2.68	0.56	9.64	34.74
Sn(ppm)	1	2470	57.18	0.59	223.58	874.32
W (ppm)	7	3424	179.31	0.63	759.99	3221.08
Zn(ppm)	28	995	125.26	0.31	258.47	533.33

Table Ⅳ-2-4 Correlation Coefficients between Elements Pairs in Soil Geochemistry of the Western Thanh Hoa Area

Ag	0.2317												
As	0.6029	0.2373											
Cr	0.1730	-0.5489	0.2148										
Cu	0.6453	0.0359	0.8734	0.4386									
Hg	0.4881	0.0606	0.5697	0.2388	0.5673								
Mg	0.1893	-0.4121	0.1624	0.5447	0.3480	0.1701							
Mn	0.6931	0.4025	0.5725	0.1590	0.6307	0.3919	0.1516						
Ni	0.1191	-0.5030	0.1488	0.8680	0.4153	0.1401	0.6330	0.1738					
Pb	0.1304	0.2944	0.4440	-0.0041	0.2915	0.1215	-0.0397	0.3087	-0.0233				
Sb	-0.0142	-0.2541	0.2582	0.5515	0.2419	0.0891	0.1586	0.0526	0.5044	0.3951			
Sn	0.6330	0.2274	0.6572	0.3279	0.6081	0.4276	0.1097	0.6598	0.2242	0.3560	0.3399		
W	0.7249	0.3920	0.7825	0.0611	0.7318	0.5425	-0.0584	0.7051	-0.0596	0.2228	-0.0467	0.6961	
Zn	0.7192	0.1546	0.6848	0.3536	0.7610	0.4822	0.2047	0.7965	0.2351	0.2518	0.1432	0.7981	0.7940
	Au	Ag	As	Cr	Cu	Hg	Mg	Mn	Ni	Pb	Sb	Sn	W

Element	Threshold values			Element	Threshold values		
	W.A.		S.A.		W.A.		S.A.
Au(ppb)	4.73≦	<15.16	15.16≦	Sb(ppm)	9.64≦	<34.74	34.74≦
Ag(ppm)	0.76≦	< 5.30	5.30≦	Cr(ppm)	145.19≦	<454.21	454.21≦
Cu(ppm)	107.95≦	<327.24	327.24≦	Ni(ppm)	34.80≦	<94.91	94.91≦
Pb(ppm)	198.25≦	<440.20	440.20≦	Hg(ppb)	164.89≦	<320.29	320.29≦
Zn(ppm)	258.47≦	<533.33	533.33≦	Mn(ppm)	2901.35≦	<7623.20	7623.20≦
As(ppm)	1066.33≦	<6607.14	6607.14≦				

W.A.: Weak anomaly, S.A.:Strong anomaly

(2) Anomalous zones

Number of strong and weak anomalies recognized for each element are as follows:

Element	Strong anomaly	Weak anomaly	Element	Strong anomaly	Weak anomaly
Au	2	57	Sn	4	41
Ag	2	26	W	1	52
Cu	2	34	Cr	1	40
Pb	6	22	Ni	4	42
Zn	4	48	Hg	11	15
As	0	19	Mn	10	31
Sb	1	43			

Localities of points of both anomalies (called anomalous points hereunder) are plotted in Appendix 13. The characteristics of anomalous points are as follows:

Au

Gold anomalous points are concentrated in the Northern Block. They are mainly distributed on the north and south slopes of a small hill. Few are detected on the eastern part of line M in the Southern Block.

Ag

Silver anomalous points are extremely concentrated in the Northern Block.

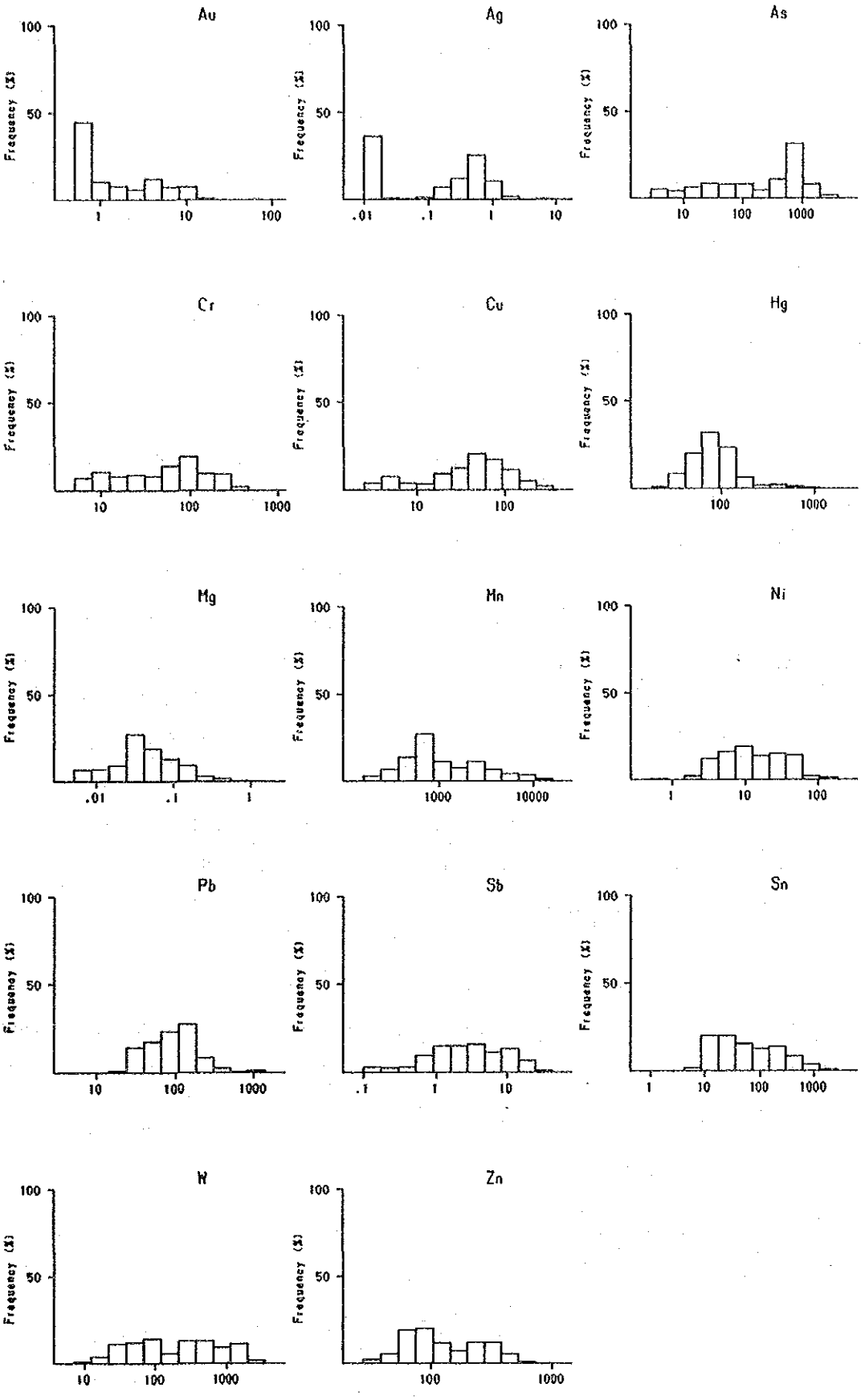

Fig.IV-2-2 Histograms of Assays on Soil Geochemical Samples Collected in the Western Thanh Hoa Area

They are sporadically distributed around the small hill.

Cu

Copper anomalous points show similar distribution to Au.

Pb

Lead anomalous points are widely distributed in the eastern part of the Southern Block and limited in the Northern Block.

Zn

Zinc anomalous points are concentrated in the Northern Block with distinct similarity to Au.

Sn

Tin anomalous points are concentrated on south slope of the small hill in the Northern Block. Distribution pattern of Sn anomalous points is similar to W, Zn, Mn, and Au and their concentration is the strongest among 13 elements.

W

Distribution pattern of W anomalous points is very similar to that of Sn, but W anomalous points are distributed little bit wider than Sn on the northern part of the Northern Block.

As

There are no As anomalous points in the Southern Block. Distribution pattern of As anomalous points in the Northern part is similar to that of Cu, but more dispersible than Cu.

Sb

Antimony anomalous points are concentrated in the northern, western and eastern parts of the Southern Block. They are sporadically scattered in the Northern Block.

Cr

Distribution pattern of Cr anomalous points is similar to that of Sb

above and Ni below.

Ni

Distribution pattern of Ni anomalous points is very similar to that of Sb and Cr. Nickel anomalous points are concentrated in the Southern Block.

Hg

Mercury anomalous points are sporadically scattered in the Northern Block. Only one Hg anomalous point is detected in the Southern Block.

Mn

Manganese anomalous points are concentrated in the Northern Block, and their distribution pattern is similar to that of Zn above.

2.2.5. Consideration

The principal component analysis was carried out in order to evaluate the nature of correlations for 13 elements. The following table shows the results of the analysis.

Element	Z(1)	Z(2)	Z(3)
Au	0.3202	-0.1046	-0.2459
Ag	0.0761	-0.4588	0.1540
As	0.3498	-0.0694	0.1130
Cr	0.1718	0.4718	0.0003
Cu	0.3637	0.0674	-0.0557
Hg	0.2578	-0.0120	-0.1702
Mn	0.3269	-0.1280	-0.0555
Ni	0.1409	0.4863	-0.0153
Pb	0.1542	-0.0872	0.6585
Sb	0.1165	0.3041	0.5778
Sn	0.3387	-0.0358	0.1381
W	0.3392	-0.0376	-0.0939
Zn	0.3655	-0.0376	-0.0939
Eigen	0.0784	3.0782	1.3734
Prop.	0.4342	0.2199	0.0981
Cum.Prop.	0.4342	0.6540	0.7521

The first principal component is summarized by Au-As-Cu-Mn-Sn-W-Zn. This indicates that they are in high correlation. The second and third principal components are summarized by Cr-Ni and Pb-Sb, respectively. Thus, the above elements can be divided into three groups.

The elements in the first principal component coincide roughly with the constituent elements of ore minerals in the Bu Me Prospect. It is believed that these elements indicate the nature of mineralization of this prospect. The elements in the second principal component, on the other hand, are generally contained in mafic rocks. Therefore, the elements imply the existence of subsurface mafic bodies.

2.3. Panned Concentrate Geochemical Exploration

(1) Objectives

The gold, copper, and tin-tungsten-molybdenum mineralization zones were confirmed by the previous geologic and metallogenic data in this area. This exploration was conducted in the survey area in order to obtain the characteristics of heavy minerals in the mineralization zones and to discover new potential areas.

(2) Collection, treatment, and identification of panned concentrates

The sampling of panned concentrates was carried out along the main streams and their tributaries, and at the streams around the known mineralization zones during the course of the geological survey. The total number of panned concentrates is 147 samples in this area. The sample was collected by five-times panning (approximately 25ℓ). The samples were dried up and weighed. The heavy minerals were identified based on the methods employed in the Van Yen Area.

(3) Results of the mineral identification

The results of the mineral identification are laid out in Appendix 10.

The identified minerals are magnetite, ilmenite, limonite, garnet, staurolite, epidote, siderite, tourmaline, pyroxene, serpentine, chromite, wolframite, chalcopyrite, cassiterite, malachite, zircon, rutile, mercury, pyrite, native gold, and arsenopyrite. The heavy minerals related to

mineralization in this area are considered to be native gold, copper minerals, cassiterite, and wolframite.

The number of their localities is as follows.

- Gold: 16
- Copper minerals: 2
- Cassiterite: 76
- Wolframite: 7

The heavy minerals of magnetite, ilmenite, zircon, and rutile were usually observed in this area.

(4) Distribution of heavy minerals

The localities of heavy minerals confirmed microscopically for native gold, copper minerals, cassiterite, and wolframite are shown in Figure Ⅳ-2-3 and described below.

【Native gold】

1) Tributary of the Am River, 1 km northeast of Lang Chanh
2) Tributary of the Hon Mui River, 5 km southwest of Lang Chanh
3) Tributary of the Hon Bo River, 4 km southwest of Lang Chanh
4) The main stream of the Am River and its tributary, 5 km southeast of Lang Chanh
5) The Hon Nang River, 6 km south of Lang Chanh
6) Two tributaries of the Am River, 6 to 8 km northwest of Thuong Xuan
7) Tributary of lower reaches of the Cao River, 6 km west of Thuong Xuan
8) Tributary of upper reaches of the Cao River
9) Upper reaches of the Chu River, 18 km west of Thuong Xuan
10) Lower reaches of the Hon Hon River tributary of middle reaches of the Chu River, 10 km southwest of Thuong Xuan
11) Upper reaches of the Hon Hon River, tributary of middle reaches of the Chu River, 13 km southwest of Thuong Xuan
12) The stream from outside the survey area, 12 km southwest of Thuong Xuan

【Chalcopyrite and malachite】

1) Tributary of upper reaches of the Hon Lun River, 6 km northwest of Thuong Xuan
2) Tributary of the Dang River, 6 km south of Thuong Xuan

【Cassiterite and wolframite】

1) Upper reaches of the Nam Bo River, 8 km southwest of Lang Chanh
2) The Bu Me Prospect, 2 km west of Thuong Xuan
3) The Hon Hon River, tributary of the Chu River, 10 km southwest of Thuong Xuan
4) Other localities

(5) Discussion

The following relationship was recognized between the distribution of heavy minerals and the geology.

The distribution of native gold is considered to have relation to the stratigraphy and geologic units. It seems that the distribution is controlled by geologic structure such as faults and fractures.

Localities of gold grains are relatively concentrated along the main stream of the Am River and at its tributary, 5 km southeast of Lang Chanh. The gold grains were also confirmed near the Luon Son mineralization zone, at one tributary of the lower reaches of the Cao River. The locality is about 6 km west of Thuong Xuan.

Copper minerals were confirmed at two localities in the vicinity of the NW-SE trending fault. The origin of the copper minerals is considered to be controlled by geologic structure. Cassiterite and wolframite grains were confirmed in and around the granitic bodies such as the Bu Me plutonic complex, the Bu Cho, Ta Leo, and Bu Ginh (C) bodies. Thus, the origin of those minerals is considered to be controlled by the granitic intrusion. The area where they were confirmed near Mt. Me has been named the Bu Me cassiterite-wolframite Prospect.

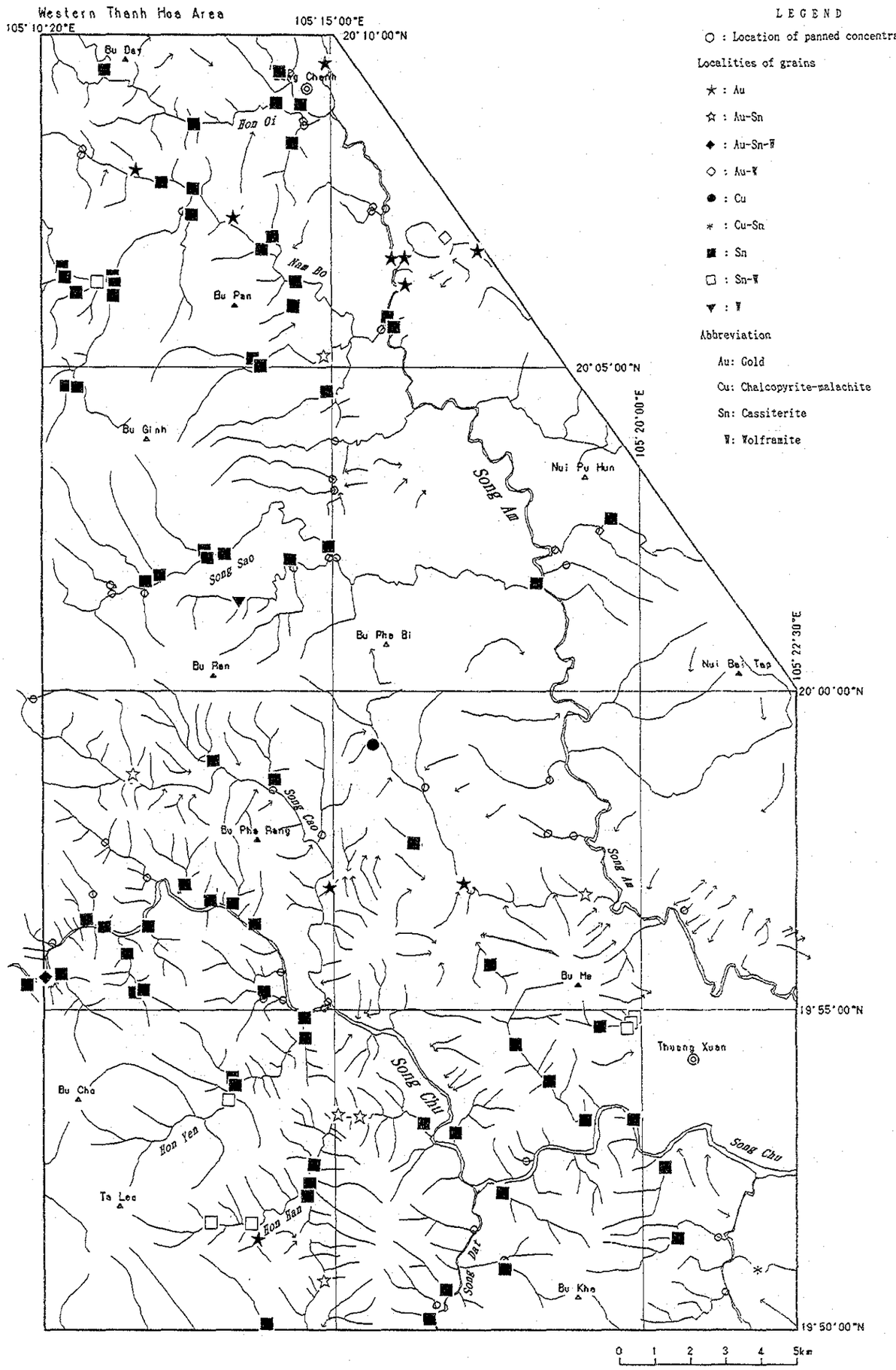

Fig.IV-2-3 Locality Map of Heavy Minerals in the Western Thanh Hoa Area

CHAPTER 3. COMPREHENSIVE DISCUSSIONS

3.1. Relationship between Geology, Geologic structure and Mineralization

The survey area is divided lithologically into two parts, namely the eastern sedimentary and western igneous parts. Mineral showings are concentrated mainly in the western igneous part. The igneous activities of the survey area are characterized by the initial Triassic mafic intrusion followed by intense Jurassic felsic volcanism, and the ending in granitic intrusion of the Cretaceous.

Mafic bodies of various sizes are aligned in the central part of the survey area with NNW-SSE trend. One weak copper mineralization (the Hon Mo mineralization zone) was confirmed in the periphery of the gabbroic body which is situated in the central part of the area of the gabbroic bodies. In addition to this, Cu anomalies are concentrated in the vicinity of mafic rocks. Thus, copper mineralization is seemed to be related to the mafic igneous activity.

Tin, tungsten, and gold(?) mineralization, on the other hand, is related to the granitic intrusion. As described earlier, tin and tungsten mineralization occurs around a stock of porphyritic granite in the Bu Me Prospect. Furthermore, Sn and W anomalies are concentrated near the granitic bodies. With respect to heavy minerals, cassiterite and wolframite grains were observed in and around the granitic bodies. From the above, it is believed that tin and tungsten mineralization is closely related to the Cretaceous granite. However, tin and tungsten mineralization is restricted to the specific granitic bodies. Although it is difficult to specify the body with mineralization, the mineralization seems to be more intense in a hypabyssal granitic body (porphyritic granite) or small stock of several square kilometers than in a batholith or large stock, as is represented by the Bu Me Prospect.

Gold-bearing quartz veins occur in the survey area, and they are associated with a wide acidic alteration zones (kaolinite and alunite). There

is no clear relationship between gold and the above tin-tungsten mineralization. The gold-bearing quartz veins do not occur in and around the granitic bodies but in the area at distances from the bodies. Localities where gold grains were confirmed in panned concentrate, however, are near the granitic bodies.

The relationship between gold mineralization and granitic activities is not yet clear. Although gold-bearing quartz veins do not occur in the proximity of granitic bodies, occurrence of gold grains in panned concentrate is confined to the vicinity of the bodies. It needs further detailed investigation, but at present, further work will be planned under the assumption that the source of gold is from the felsic intrusive activity.

At the present state of knowledge of this area, tin-tungsten mineralization appears to occur within the granitic bodies and gold-bearing quartz veins occur surrounding these zones.

The Upper Permian to Triassic carbonate rocks cover a wide area in the eastern part of the survey area as already described. There is no lead and zinc mineralization in the areas of carbonate rocks as is present in the Van Yen Area. Regarding geologic situation, the active granitic intrusion took place near the area. Thus, there can be more favorable condition for the formation of contact metasomatic deposits in the area than in the Van Yen Area, but even weak lead and zinc mineral showings were not found in the area. This reason should be further studied in detail.

The relationship is not clear between geologic structure and mineralization such as mineralization controlled by faults or folds. Now that the N-S trending faults cut granitic bodies, it is inferred that the faults were formed after the mineralization in and around the bodies.

3.2. Relationship between Geochemical Anomalies and Mineralization

3.2.1. Relationship between anomalies of stream sediments and mineralization

It is seen from the results of geochemical exploration in Chapter 2 that

the histograms of frequency distribution patterns for each element are divided into three types. They are log-normal, non log-normal, and intermediate distribution patterns. The elements of log-normal distribution pattern indicate background and mineralization is not expected. Elements of Ag, Mn, Pb, Zn, and others are of this type. The remaining two types may indicate some kind of mineralization. Gold, Cu, As, Cr, Ni, Sb, Sn, and W belong to these types.

Gold anomalies are generally scattered and their concentration was detected only in the Coc Thuong mineralization zone. Here they are very concentrated and overlap those of the other elements with positive correlation. These anomalies are interpreted to show promising areas.

Copper shows strong positive correlation with Ni and Cr. Their anomalies are in relatively dense distribution in and around gabbroic bodies. The copper mineral showings are found in some parts of gabbroic bodies. From the above, these anomalies suggest the existence of copper mineralization accompanied by mafic rocks.

Arsenic is intensely correlative with Sn, W, and other elements. Arsenic minerals (arsenopyrite, scorodite, beudantite) paragenetically close to tin-tungsten minerals in the Bu Me Prospect. Thus, the As anomalies account for the characteristics of tin-tungsten mineralization of this area. Therefore, the superimposed As anomalies with Sn and W anomalies should be noted. The granite area in the southwestern edge of the survey area is in the above condition.

Chromium is highly correlative with Ni with the correlation coefficient of 0.9069. Their anomalies are concentrated in and around gabbroic bodies. This is a common feature and does not necessarily suggest the existence of mineralization. Therefore, it is necessary to evaluate these anomalies together with other factors. It is believed that these anomalies detected by the present exploration are not related to mineralization, since any chromium and nickel mineral showings were not found in and around mafic bodies of the survey area up to date.

Tin and W anomalies lie on the known tin-tungsten mineralization zones in the vicinity of granitic bodies. There is a large possibility that the anomalies indicate tin-tungsten mineralization.

It is seen from the histograms that Ag, Mn, Pb, Zn, and others show a log-normal or similar distribution pattern. These elements as a whole have low correlation coefficients to each other and assay results themselves are also low. This implies that mineral potential of these elements is negligible in the survey area.

3.2.2. Relationship between anomalies of soil and mineralization

The concentration of soil anomalies for various elements is clearly correlated to the geologic environment in the Bu Me Prospect. Tin, W, Zn, Mn, Au, Cu, and As anomalies are concentrated in the porphyritic granite area in the "Northern Block" mentioned above. Chromium, Ni, and Sb anomalies, on the other hand, are concentrated in the "Southern Block". The known tin-tungsten mineralization zones occur in the granitic bodies and the surrounding hornfels zone. Thus, the soil anomalous zones occur in very good agreement with the mineralization zones. This indicates that tin-tungsten mineralization is not expected to occur in the area between the Ho Tom and Ho Kin Blocks. Notable Cr, Ni, and Sb anomalies were unexpectedly detected in the "Southern Block". Chromium and Ni are generally concentrated in mafic rocks. Mafic bodies were not confirmed in the "Southern Block" through the present survey, however, the previously prepared map shows a gabbroic body about 300 m south of the sampling line Q. Therefore, the above anomalies might account for the subsurface presence of gabbroic bodies.

3.3. Mineral Potential

This survey area has mineral potential for gold, copper, tin, and tungsten.

(1) Gold deposits

Gold deposits are likely to occur as hydrothermal gold-bearing quartz veins in the Western Thanh Hoa Area. The promising areas for gold deposits

are :

- Luong Son mineralization zone
- Coc Thuong mineralization zone

1) Luong Son mineralization zone

Abundant quartz veins occur in this mineralization zone mentioned earlier. Gold contents are generally low, but some veins show Au grade of 0.2 g/t. This zone is associated with a wide acidic alteration zone with 1 km width. Gold geochemical anomalies were detected at some streams which flow through this zone. Additionally, gold grains were confirmed at some localities of these streams. From the above, it is concluded that this zone has mineral potential for gold with possibilities of finding deposits of minable scale.

2) Coc Thuong mineralization zone and the surrounding areas

This zone and the surrounding areas occupy an NW-SE trending hill where quartz veins are concentrated. A weak showing (Au: 22 ppb) and a float with Au grade of 0.1 g/t were found in this zone. Furthermore, stream sediment Au anomalous zones overlap As, Cu, Hg, Zn, Cr, Ni, and Mn anomalous zones. These zones are located around the above hill. Gold grains were confirmed microscopically in some panned concentrate samples collected from streams on the hill. Therefore, the area over the hill including the Coc Thuong mineralization zone is promising for finding gold deposits.

(2) Copper deposits

The Hon Mo mineralization zone related to mafic igneous activity has high potential for copper mineralization. The grade of copper (0.7 %) in the ore is not very high, but the ore contains gold, 0.29 g/t. This zone is concluded to warrant further detailed exploration.

In areas other than the above Hon Mo mineralization zone, anomalous zones of Cu and other elements are concentrated together with Au anomalous zones in the above mentioned Coc Thuong mineralization zone and the surrounding areas. However, the grades of copper and other elements are extremely low in that area, thus, the potential for copper and other minerals is not high.

(3) Tin-tungsten deposits

Further detailed survey and exploration are needed for the final evaluation of tin-tungsten potential of the Bu Me Prospect. The ore assay results obtained from the previous and present surveys revealed that the contents of tin and tungsten were not so high. As a result of the present soil geochemical exploration, tin-tungsten mineralization is not expected to occur in the area between the Ho Tom and Ho Kin Blocks. Thus, the areal extension of the potential areas does not exceed the present mineralization zone.

Tin and W anomalies (stream sediments) are concentrated around the granite body in the southwestern edge of the survey area. Arsenic is highly correlative with W. Arsenic anomalies overlap the above Sn and W anomalies. Additionally, many cassiterite grains were confirmed from panned concentrate samples collected from the same localities as the above anomalies. From these facts, an area in and around the granite body has high potential for tin-tungsten mineralization.

CHAPTER 4. CONCLUSIONS AND RECOMMENDATIONS

4.1. Conclusions

(1) The field work was carried out in this area during the period from 29 October to 20 November, 1993. The scope of work during this phase is as follows.

- Geological survey: 650 km^2
- Geochemical exploration (collected samples):
  - Stream sediments 532 samples
  - Panned concentrates 147 samples
  - Soils 241 samples

(2) The survey area belongs to the "Truongson" tectonic province which is the Late Paleozoic to Early Triassic mobile belt. This area is underlain mainly by the Cambrian metamorphic basement, the overlying Ordovician to Triassic marine and continental sedimentary rocks, and the Jurassic (?) volcanic and pyroclastic rocks. The intrusive rocks of the survey area are classified into Triassic gabbro, Jurassic felsic rocks, and Late Cretaceous to Paleogene granitic rocks.

(3) The geology of this area is controlled by the NW-SE trending main structure of the "Truongson". Two major N-S trending faults extend in the eastern and western parts of the survey area. These faults were formed during Tertiary time and the granitic rocks are cut by the faults. These faults are post-mineralization.

(4) Gold, copper, tin, and tungsten mineralization occur in the survey area.

a) Gold is associated with quartz veins. Quartz veins are relatively concentrated in the Luong Son mineralization zone, where the existence of gold was confirmed through chemical analysis of vein samples and geochemical samples. Further point of interest is the existence of a wide acidic alteration zone around the mineralization zone. Quartz veins are concentrated also in the Coc Thuong mineralization zone where the presence of gold was

confirmed at some places. Gold and Cu anomalies are found to occur concentrated over this mineralization zone. Thus, this zone is considered to be promising for future exploration for gold.

b) Regarding copper mineralization, the Hon Mo mineralization zone is promising. This zone is hosted by gabbroic body and has massive and dissemination type of occurrence. The copper content is low at the outcrop, however, there is a possibility for this zone to be an orthomagmatic deposit associated with mafic intrusive rocks. The mineralization contains also gold. From the above, this zone is concluded to be one of the priority areas for future exploration.

c) The tin-tungsten Bu Me Prospect is believed to be a pneumatolytic to hydrothermal mineralization zone associated with porphyritic granitic intrusion. The ore minerals of this prospect are mainly cassiterite and wolframite, and the prospect occurs in the granitic body and the surrounding hornfels zone. Areal extent of the major mineralization zone is estimated to be 1,200 m x 400 m. The average grade of Sn+W is 0.49 % along trenches with about 320 m in total length. Although sufficient exploration was not conducted up to present time, it is believed that time is not mature to proceed to the detailed geological survey and drilling exploration due to the following three factors.

- Relatively low content of tin and tungsten
- Low level of tin market
- Worldwide prevalence of exploitation from placer deposits with low price

The present geochemical exploration revealed that the southwestern granite area is the most promising for tin-tungsten mineralization, excluding the Bu Me Prospect. However, access to the area is not favorable, and transportation costs will be a negative factor for the undertaking of development. The survey for calculating reserves can be carried out in the area, but the priority of mineral exploration is low considering the commercial value.

4.2. Recommendations for Phase II Survey

The following work is recommended for Phase II survey on the basis of the above conclusions.

(1) Detailed geological survey and geophysical prospecting covering the area from the Luong Son to Hon Mo mineralization zone.

- It is convenient to conduct the detailed geological survey for an area covering the above two zones because they are closely located.
- Geophysical prospecting (IP method) for selected areas

(2) Detailed geological survey for the Coc Thuong mineralization zone and the surrounding area.

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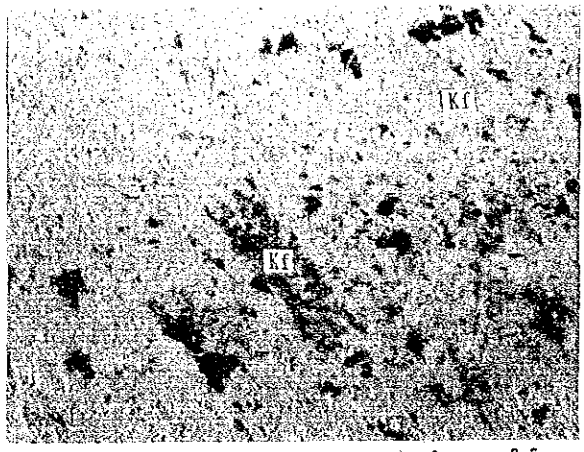
PHOTOGRAPHS

VFT15 Trachyte



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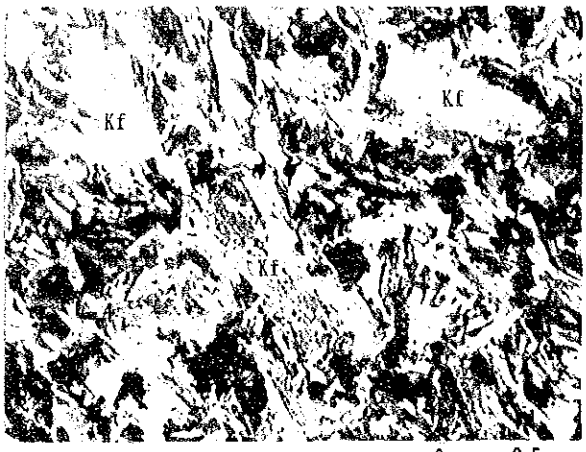

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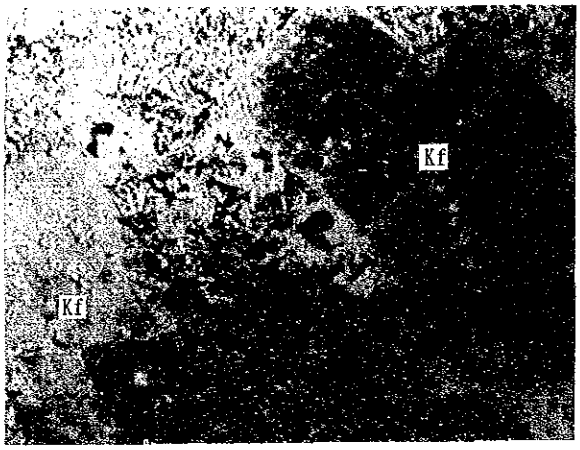
VFT48 Syenite



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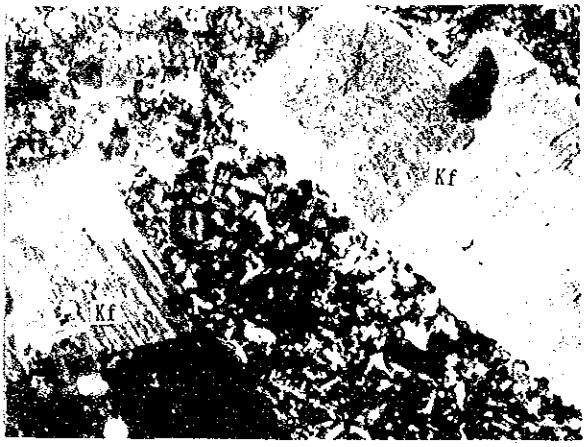

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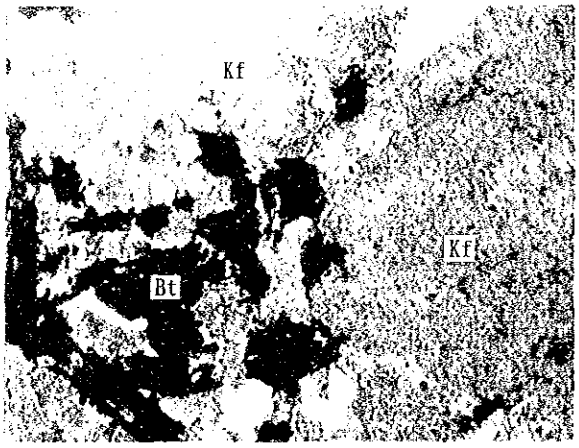
VGT 7 Alkali gabbro



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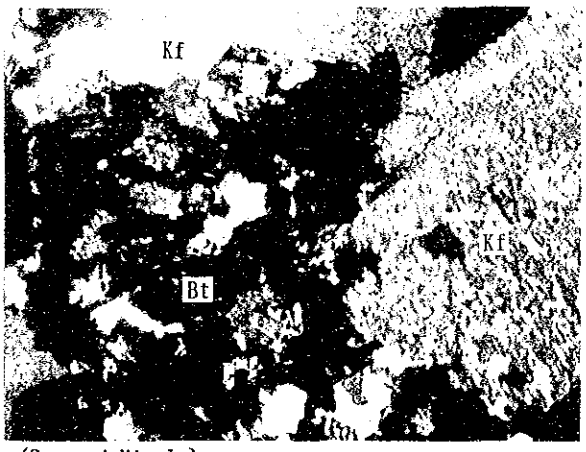
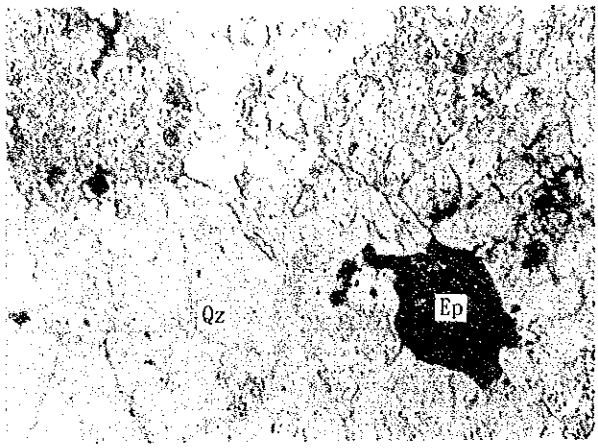


(Crossed Nicols) 0 0.5mm

Abbreviation:Kf;K-feldsper, Bt;biotite

Photo. 1. Microscopic Photographs of Thin Sections (Van Yen Area)

TFT30 Quartz porphyry



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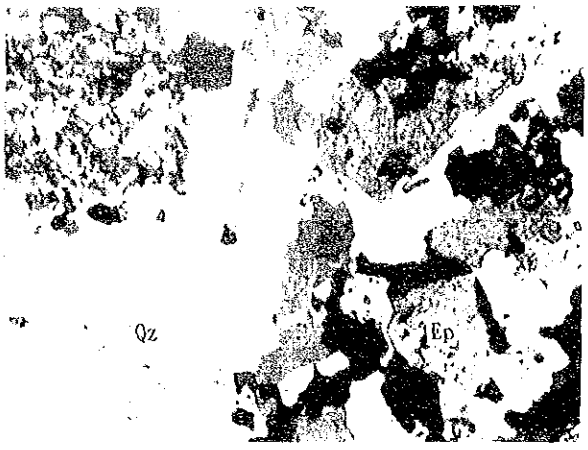

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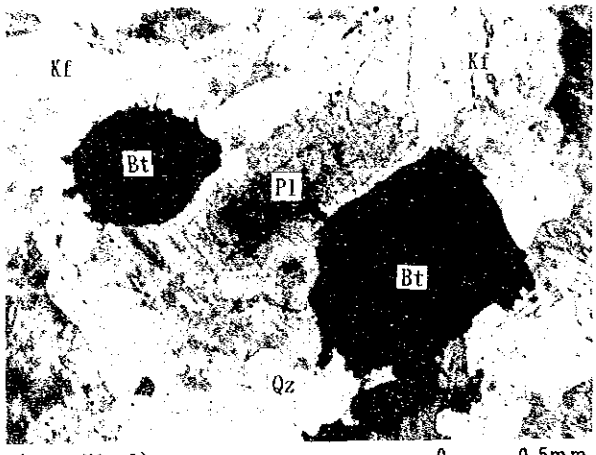
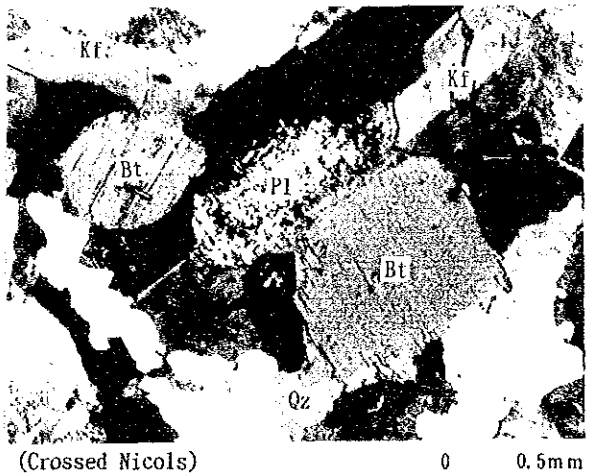
TMT 7 Granite

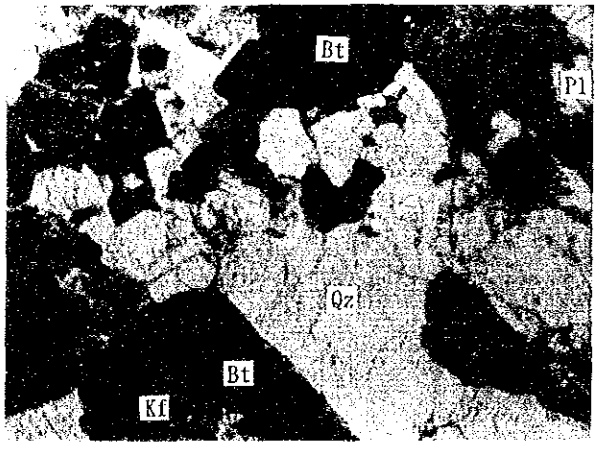


(Open Nicol) 0 0.5mm



(Crossed Nicols) 0 0.5mm

TMT11 Granite



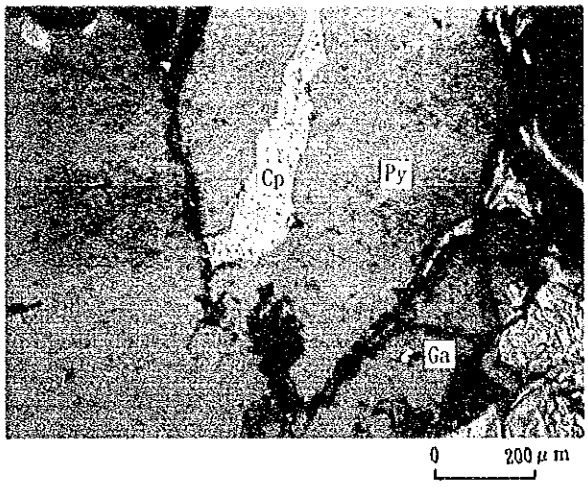
(Open Nicol) 0 0.5mm

(Crossed Nicols) 0 0.5mm

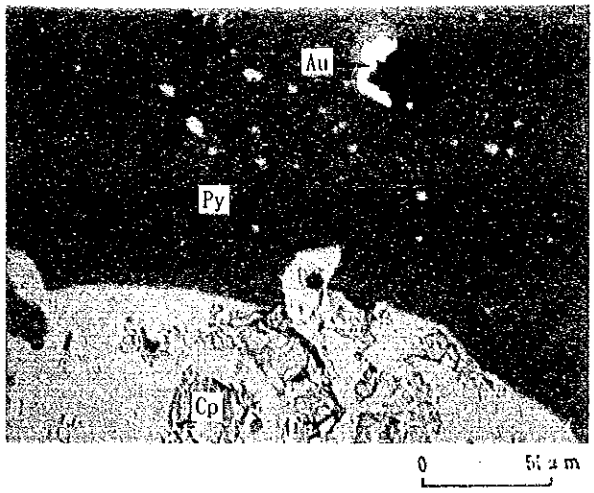
Abbreviation: Qz; quartz, Pl; plagioclase, Kf; K-feldsper, Bt; biotite, Ep; epidote

Photo. 2. Microscopic Photographs of Thin Sections (Western Thanh Hoa Area)

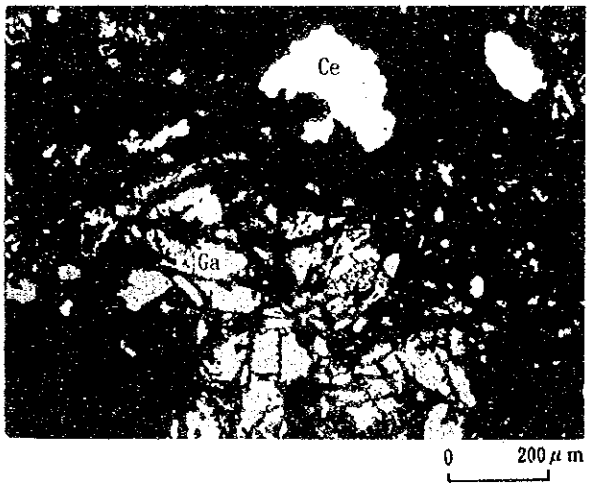
VFP 1 Suoi Tiat mine



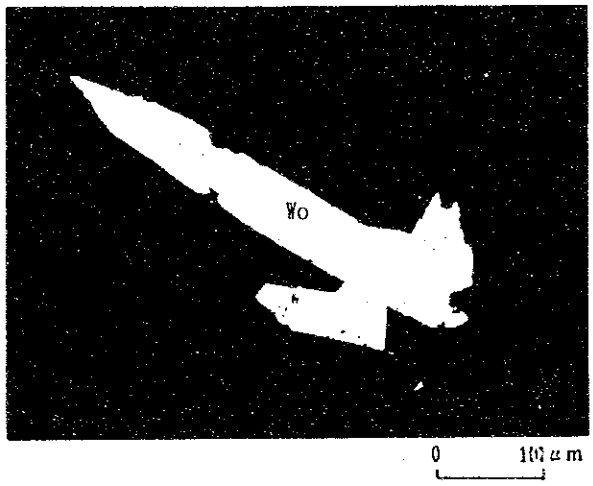
VFP 1 Suoi Tiat mine



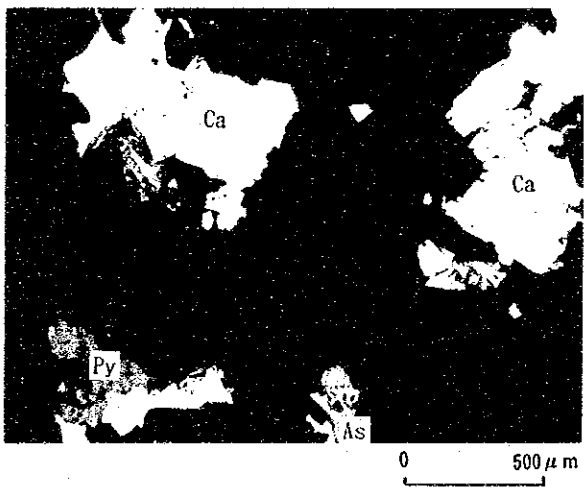
VFP 4 Suoi Boc mine



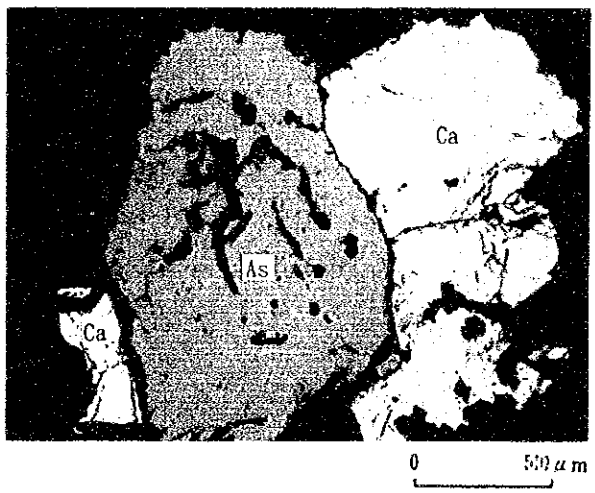
TFP 8 Bu Me prospect



TFP 4 Bu Me Prospect



TFP 4 Bu Me Prospect



Abbreviation:Au;gold, Cp;chalcopyrite, Py;Pyrite, As;arsenopyrite, Ga;galena,
Ce;cassiterite, Wo;wolframite

Photo. 3. Microscopic Photographs of Polished Sections

APPENDIX

1. Microscopic Observations of Thin Sections of Rocks (1)

Igneous Rocks

Area	Sample No.	Rock name	Texture	Minerals																										
				Primary															Secondary and Alteration(▒)											
				Qz	Kf	Pl	Bt	Am	Hr	Aa	Op	Cp	Ol	Sn	Ap	Zi	M	Qz	Bt	Ac	Se	Ta	Sp	Ep	Ch	Ti	Ca	M	others
Van Yen	VFT-17	Metadolerite	oph			◎			◎								△				○			○	○	○			
	VFT-22	Metadolerite	oph			◎			◎			○					○		△	○	△			△	○	△			
	VFT-39	Altered alkari gabbro	suboph		◎					○		○					○		◎										
	VFT-47	Metadolerite	oph			◎			◎			○					○	△		○				○	○	△			
	VMT- 1	Peridotite	gra			○	○					◎	◎	△									○		△				
	VMT- 7	Peridotite	gra			○						◎	◎				○						○		○				
	VMT- 8	Dolerite	oph			◎						◎					○				○				○		○		
	VMT-10	Dolerite	oph			◎						◎					○			○				○	○	△			
	VMT-13	Metagabbro	euh gra			◎						◎					○			△				△	○	△			
	VGT- 5	Dolerite	oph			◎						◎					○			△				△	◎	△	△		
	VGT- 7	Alkari gabbro	gra	○	◎	○	○										○										△		
	VGT- 8	Metagabbro				◎		◎									○		○	○				○	○	△	△		
	VGT-13	Metagabbro	suboph			◎						◎					○				○			○	○	△			Am(○)
	VGT-26	Pegmatite		○	◎												○				△								
Western Thanh Hoa	TFT- 5	Gabbro	euh gra			◎		○			○	○	◎								△	△	○				△		
	TFT-18	Clinopyroxenite	gra			○						◎																△	Ae(△)
	TFT-22	Metagabbro	euh gra			◎			◎			○					○		△	○	○				○				
	TFT-29	Altered microdiorite	suboph	◎		○									△		△			○	△				○		○		
	TMT- 7	Granite	gra	◎	◎	◎	○										△				△				△				
	TMT-10	Granite	sub-gra	◎	◎	◎	○														△				△				
	TMT-11	Granite	gra	◎	◎	◎	○								△						△				△				
	TMR- 3	Granite	gra	◎	◎	◎	○								△	△					△								
	TGT- 6	Quartz porphyry	por	◎	○	◎	△										△				○				△	△			
	TGT-11	Metagabbro	euh gra			◎			◎								△			○					○				Cz(△)
	TNT- 7	Granite	gra	◎	◎	◎	△										△				△								Go(△)
	TNT-22	Gabbro	euh gra			◎						◎								○					○		△	△	
	TST- 8	Granite	gra	◎	◎	◎	○										△				△								

Texture: euh gra;euhedral granular,gra;granular,sub-gra;subgranular,oph;ophitic,suboph;subophitic,por;porphyritic
Abundance of mineral: ◎;abundant,○;common,△;scarce
Abbreviation: Qz;quartz,Kf;K-feldspar,Pl;plagioclase,Bt;biotite,Am;amphibole,Hr;hornblende,Aa;alkali amphibole,Op;orthopyroxene
Cp;clinopyroxene,Ol;olivine,Sn;spinel,Ap;apatite,Zi;zircon,M;opaque minerals,Ac;actinolite,Se;sericite,Ta;talc
Sp;serpentine,Ep;epidote,Ch;chlorite,Ti;titanite,Ca;carbonate minerals,Ae;aegirine,Cz;clinozoisite,Go;goethite

1. Microscopic Observations of Thin Sections of Rocks (2)

Volcanic Rocks

Area	Sample No.	Rock name	Texture	Minerals																											
				Phenocryst										Groundmass								Secondary and Alteration( )									
				Qz	Kf	Pl	Bt	Am	Hr	Op	Cp	Ol	M	Qz	Kf	Pl	Bt	Cp	Ap	M	Gl	Bt	Ac	Se	Ta	Sp	Ep	Ch	Ti	Ca	Go	CM
Van Yen	VFT-15	Trachyte	tra		◎	○														△							△				
	VFT-16	Trachyte	tra		△									△	◎	○				△				△				○				
	VFT-21	Quartz trachyte	tra											○	◎	○				○				○								
	VFT-38	Trachyte	tra											△	◎	○				△				△						△		
	VFT-44	Sheared syenite	por	○	◎									○	◎	○				△	◎			◎					△			
	VFT-48	Syenite	por		◎	○									◎	◎			△	○												
	VMT- 3	Syenite	por		○										◎	○					◎							◎	△	○		
	VMT- 4	Basalt	por							○	◎	○				◎		○		○								○				
	VMT- 9	Trachyte	tra												◎	○				○	◎			○				○	△			
	VMT-11	Syenite porphyry	por		◎	○								○	◎	○				△				△				△		△	△	
	VGT-10	Andesite	por						○					○	○	◎			△	○			△	△			○	○	△	△			
	VGT- 6	Syenite porphyry	por		◎									○	◎	○				○				△						△	△	
	VGT- 1	Trachyte	por-tra		◎	○								○	◎	○												○		○		
	VGT-15	Trachyte	tra												◎	◎				○	◎						○	○				
	VGT-25	Trachyte	tra		○										◎	◎			△	○	○							○		△		
	VNT-10	Trachyte	tra												◎	○					◎						○	○	△			
Western Thanh Hoa	TFT-13	Rhyolite	por	◎		◎	○						△	○	○	◎			△	△				○								◎
	TFT-17	Syenite	por		◎		○				○			△	◎	◎	○		△	△				○				△		△		
	TMT- 3	Quartz porphry	por	◎		◎		○						○	○	◎				△				○			△	○				
	TMT- 6	Quartz porphry	por	◎		◎								○		○						○						△				
	TNT- 8	Rhyolite	por	◎	○	◎		○						○	○	○					◎			△								◎
	TST- 4	Quartz porphry	por	◎		◎								○	○	◎					◎			○						○		

Texture: por;porphyritic,tra;trachytic

Abundance of mineral: ◎;abundant,○;common,△;scarce

Abbreviation: Qz;quartz,Kf;K-feldspar,Pl;plagioclase,Bt;biotite,Am;amphibole,Hr;hornblende,Op;orthopyroxene,Cp;clinopyroxene
Ol;olivine,M;opaque minerals,Ap;apatite,Gl;glass,Ac;actinolite,Se;sericite,Ta;talc,Sp;serpentine,Ep;epidote
Ch;chlorite,Ti;titanite,Ca;carbonate minerals,Go;goethite,CM;clay minerals
▒;alteration minerals

1. Microscopic Observations of Thin Sections of Rocks (3)

Sedimentary Rocks

Area	Sample No.	Rock name	Texture	Minerals																			
				Fragment							Matrix								Alteration				
				Qz	Kf	Pl	Zi	Tr	Gl	M	Qz	Kf	Pl	Se	Ap	Zi	CM	M	Se	Ca	Ox	Ti	CM
Van Yen	VMT- 2	Siltstone	clastic	○	○	○	△			△				◎			○						
	VNT- 6	Tuff breccia	clastic		○			◎	◎										△	△			
Western	TFT-19	Tuff breccia	clastic	◎	○	○					◎	◎	○		△	△		○			○	△	
Thanh Hoa	TGT- 1	Sandstone	clastic	◎	○	○				△									△				△

Abundance of mineral: ◎;abundant,○;common,△;scarce

Abbreviation: Qz;quartz,Kf;K-feldspar,Pl;plagioclase,Zi;zircon,Tr;trachyte,Gl;glass,M;opaque minerals
Se;sericite,Ap;apatite,CM;clay minerals,Ca;carbonate minerals,Ox;oxychlorite,Ti;titanite

1. Microscopic Observations of Thin Sections of Rocks (4)

Metamorphic Rocks

Area	Sample No.	Rock Name	Texture	Minerals																					
				Primary																				Sec&Alt		
				Qz	Kf	Pl	Al	Bt	Am	Ac	Hr	Cp	Se	Mu	Ti	Ca	Zi	Ap	Pr	Ep	Ch	M	Se	Ch	Go
Van Yen	VFT- 6	Carbonatized tuff		○									◎			◎					○	○			
	VNT- 5	Metabasite					○			◎					△					◎	○	△			
Western	TFT-23	Metabasite				◎			◎			○	△		△							△			
Thanh Hoa	TFT-27	Sheared granulite	sheared	◎					○			◎			△	△						△			
	TFT-30	Quartz porphry	sub-gra	◎		△									△					○		△			
	TMT-12	Phyllite	shistose	◎		◎								◎	△			△				△			△
	TNT- 3	Meta-quartzite	granular	◎										○			△		△			△			
	TNT-21	Granulite	granular			◎			◎			○										△			
	TNT-25	Hornfels	granular	◎	○	◎		◎			○						△					△	○	○	

Abundance of mineral: ◎;abundant,○;common,△;scarce,

Abbreviation: Qz;quartz,Kf;K-feldspar,Pl;plagioclase,Al;albite,Bt;biotite,Am;amphibole,Ac;actinolite
Hr;hornblend,Cp;clinopyroxene,Se;sericite,Mu;muscovite,Ti;titanite,Ca;carbonate minerals,Zi;zircon
Ap;apatite,Pr;prehnite,Ep;epidote,Ch;chlorite,M;opaque minerals,Go;goethite
▒;alteration minerals

2. Hicroscopic Observations of Polished Sections of Ores

Area	Sample No.	Mineralization zones	Minerals determined														
			Py	Cp	Go	Il	Sc	Co	Ga	An	Ce	Sp	Ca	Wo	Mo	Ba	
Van Yen	VFP- 1	Suoi Tiat	◎	○					tr						tr		Au(tr)
	VFP- 2	Suoi Tiat		◎													
	VFP- 3	Suoi Tiat	○	◎											tr		Bi(tr)
	VFP- 4	Suoi Boc	tr						tr	tr	○	○					
	VFP- 5	Suoi Let		○				tr									Ma(◎)
	VFP- 6	Suoi Cu								△	○	△					Sm(◎)
	VFP- 7	Suoi Tiat	○	△					tr						tr	tr	
	VGP- 1	Quartz vein	tr	tr	tr	△											
	VGP- 4	Ban Na Vang			tr	tr											Hm(tr)
	VGP- 6	Suoi Yan(1)			tr											tr	
	VGP-10	Suoi Yan(1)			tr	tr											Zi(tr),Hm(tr)
	VGP-14	Quartz vein			tr	tr						tr			tr		
	VGP-15	Suoi Yan(2)			tr	tr									tr		
	VGP-16	Suoi Yan(2)			tr							tr					Pr(tr)
	VGP-17	Quartz vein			tr										tr		
	VGP-18	Ban Suoi Tion		tr	○			tr									
	VGP-19	Ban Suoi Tion			tr			tr	tr							tr	
	VGP-20	Ban Suoi Tion	tr		△					tr							
	VGP-21	Ban Mung			tr												Hm(◎)
	VGP-24	Ban Da Do							tr								Si(○),Xe(tr)
	VGP-27	Ban Suoi Ton							◎	tr						◎	
	VGP-28	Suoi Yan(2)			◎												Xe(tr)
	VGP-29	Quartz vein	◎	tr													
	VMP- 1	Limonite vein	◎		◎												
	VMP- 2	Ban Ngnon		tr	tr	○						tr					
	VMP- 6	Suoi Hanne		○	tr	△		tr									
Western Thanh Hoa	TFP- 1	Bu Me Prospect	△										△	tr			As(tr)
	TFP- 2	Bu Me Prospect					○										As(△)
	TFP- 4	Bu Me Prospect	tr	tr									○				As(tr)
	TFP- 5	Bu Me Prospect			tr									tr			Zi(tr),Xe(tr)
	TFP- 7	Bu Me Prospect	◎	tr	○				tr								Bi(tr)
	TFP- 8	Bu Me Prospect											tr	tr	tr		
	TFP- 9	Hon Mo			tr				tr						tr		
	TFP-10	Bu Me Prospect			○		tr										Bs(tr),Be(tr)
	TFP-11	Bu Me Prospect			○					tr			tr	○			Ur(tr)
	TFP-12	Bu Me Prospect															Pr(○)
	TGP- 1	Luong Son		tr	○												
	TGP- 2	Coc Thuong			◎												Pr(○)
	TGP- 3	Lang Hac			◎					tr					tr		
	TMP- 1	Hon Can	△		tr				tr								
	TNP- 5	Lang Ngai	○						tr								

Abbreviation: Py;pyrite Cp;chalcopyrite As;arsenopyrite Go;goethite Il;Ilmenite
Sc;scorodite Hm;hematite Si;siderite Co;covelline Ma;malachite
Ga;galena An;anglesite Ce;cerussite Sp;sphalerite Sm;smithsonite
Ca;cassiterite Wo;wolframite Au;gold Mo;monazite Zi;zircon Xe;xenomite
Bi;bismuthinite Bs;bismuthite Be;beudantite Ba:barite Pr;pyrolusite
Ur;uraninite

Abundance of minerals:◎;abundant ○;common △;small tr;trace

3. List of Minerals Determined by X-Ray Diffraction

No.	Sample No.	Remarks	Rock unit	Clay Minerals							Sulphate m.			Carbonate m.			Silica m.				Feld. m.		Miscellaneous m.				Remark
				Mt	Mu/Mt	Mu	Kl	Kl/Sm	Ch		Ja	Al		Ca	Do		Qz	Tr	Cr	Tz	Pl	Kf	Py	Po	Px	Sup	
Van Yen Area																											
1	VFX- 1	Argillization	K	·	·	△											○				◎	○			△		Phai Lay M.Z
2	VFX- 2	Argillization	T_1			△	△										◎				◎				·	·	
3	VFX- 3	Argillization	T_2			·	·							◎	◎		△										Suoi Cu M.Z
4	VFX- 4	Argillization	T_1			◎			◎					○	◎				·		△					·	Suoi Tiat Mine
5	VFX- 5	Argillization	T_1			◎	○								○		◎				◎						
6	VFX- 6	Argillization	K			△	△										◎				◎	○					
7	VFX- 7	Argillization	K	○		○	○										◎				◎	○					
8	VGX- 1	Quartz vein	T_1			○								·			◎				◎	○	·				Suoi Hanne
Western Thanh Hoa Area																											
1	TFX- 1	Greisen	γ_6														◎			○				·	·		Bu Me Prospect
2	TFX- 2	Graisen	γ_6				△										◎										Bu Me Prospect
3	TFX- 3	Argillization	P_2T_1a			○	·										◎			·							Bu Me Prospect
4	TFX- 4	Argillization	ν_4			○											◎										
5	TFX- 5	Argillization	P_2T_1a			◎											◎			△							
6	TFX- 6	Argillization	P_2T_1a			○	△										◎			·		·		·			
7	TFX- 7	Greisen	γ_6			◎	·										◎			○		·			·		
8	TFX- 8	Greisen	γ_6			◎											◎			○		·					
9	TFX- 9	Greisen	γ_6			◎											◎			○							
10	TFX-10	Greisen	γ_6			○	△	△									◎			△	△						
11	TFX-11	Argillization	γ_6			○	○										△										
12	TGX- 1	Argillization	Ta_2			○	·										◎				△				△		Luong Son M.Z
13	TGX- 2	Argillization	Ta_1			◎	·			△	△						◎								△		Luong Son M.Z
14	TGX- 3	Argillization	P_2T_1a			○	·										◎			·					△		Coc Thuong M.Z
15	TMX- 1	Granite(altered)	γ_6			○	△										◎				◎						Luong Son M.Z
16	TMX- 2	Granite(altered)	γ_6				△											○			◎						Luong Son M.Z

Abbreviations

◎:abundant, ○:common, △: few, · : rare

Mt:montmorillonite, Mu:muscovite, Mu/Mt:muscovite/montmorillonite mixed-layer mineral, Kl/Sm:kaolinite/smecnite mixed-layer mineral, Kl:kaolinite, Sm:smectite, Ch:chlorite, Ja:jarosite, Al:alunite, Ca:calcite, Do:dolomite, Qz:quartz, Tr:toridymite, Cr:cristobalite, Tz: topaz, Pl:plagioclase, Kf:K-feldspar, Py:pyrite, Po:phyrrohtite, Px:pyroxene, Sup:serpentine, M.Z:mineralization zone

4. Ore Assay Results (1)

(Van Yen Area)

No.	Sample No.	Au ppb	Ag ppm	Cu %	Pb %	Zn %	Cr %	Mn %	Ni %
1	VFM 1	3	<2	<0.001	<0.001	0.007	0.010	0.059	0.001
2	VFM 2	19	<2	0.001	0.003	0.012	0.022	0.107	0.011
3	VFM 3	29	<2	<0.001	<0.001	0.007	0.023	0.157	0.011
4	VFM 4	14	<2	<0.001	<0.001	0.008	0.034	0.074	0.007
5	VFM 5	3	<2	0.026	0.019	0.009	0.005	0.061	0.005
6	VFM 6	5810	6	6.618	0.016	0.058	0.014	0.161	0.003
7	VFM 7	184	<2	0.922	<0.001	0.011	0.012	0.130	0.003
8	VFM 8	203	<2	1.601	<0.001	0.008	0.008	0.309	0.002
9	VFM 9	1740	3	3.439	0.004	0.012	0.010	0.197	0.003
10	VFM10	1160	<2	0.179	0.001	0.009	0.004	0.301	0.002
11	VFM11	4	<2	0.007	0.001	0.002	0.017	0.073	0.002
12	VFM12	1	<2	0.018	0.005	0.043	0.011	0.013	<0.001
13	VFM13	3	<2	0.003	0.005	0.026	0.018	0.060	0.002
14	VFM14	<1	<2	0.004	0.002	0.008	0.022	0.090	0.008
15	VFM15	5	<2	0.003	0.003	0.009	0.021	0.098	0.008
16	VFM16	1	<2	0.003	0.001	0.007	0.018	0.108	0.006
17	VFM17	<1	<2	0.003	0.005	0.008	0.027	0.061	0.009
18	VFM18	36	32	0.969	<0.001	<0.001	0.061	0.003	0.004
19	VFM19-1	2	<2	0.649	0.001	0.002	0.049	0.011	0.002
20	VFM19-2	24	<2	0.446	<0.001	0.003	0.050	0.025	0.002
21	VFM19-3	<1	<2	0.143	<0.001	0.014	0.026	0.100	0.006
22	VFM19-4	6	<2	0.058	<0.001	0.005	0.053	0.027	0.002
23	VFM20	8	<2	0.803	<0.001	0.001	0.048	0.003	0.001
24	VFM21-1	41	5	0.877	0.012	0.059	0.073	0.018	0.012
25	VFM21-2	12	3	0.410	0.006	0.012	0.049	0.027	0.002
26	VFM21-3	1	<2	0.043	<0.001	0.011	0.056	0.042	0.002
27	VFM22	1	431	0.025	11.874	39.414	0.009	0.053	0.002
28	VFM23	<1	<2	0.003	0.201	0.410	0.050	0.019	0.002
29	VFM24-1	25	<2	0.152	0.026	0.055	0.008	0.059	0.002
30	VFM24-2	1	<2	0.040	0.014	0.038	0.004	0.122	0.002
31	VFM25	27	<2	2.187	0.020	0.042	0.141	0.097	0.108
32	VFM26-1	1	<2	0.082	0.014	0.038	0.031	0.116	0.008
33	VFM26-2	<1	197	0.033	0.012	0.021	0.039	0.018	0.003
34	VFM27	1	75	0.128	25.819	28.892	0.004	0.208	0.002
35	VFM28	19	<2	0.611	0.964	37.775	0.004	0.265	0.001
36	VFM29	5	3	0.003	0.051	0.147	0.005	0.044	0.002
37	VFM30	5180	2	1.541	0.014	0.029	0.006	0.207	0.003
38	VFM31	471	100	1.832	0.020	0.030	0.025	0.249	0.006
39	VFM32	5	<2	0.016	34.542	0.025	0.027	0.008	0.002
40	VMM 1	16	<2	0.038	0.281	0.184	0.017	0.018	0.003
41	VMM 2	2	<2	0.011	0.019	0.016	0.039	0.104	0.010
42	VMM 3	8	8	<0.001	0.023	0.011	0.036	0.020	0.001
43	VMM 4	33	<2	0.983	0.022	0.022	0.023	0.055	<0.001
44	VMM 5	19	<2	0.027	0.006	0.007	0.025	0.022	0.004
45	VMM 6	1	<2	0.104	0.008	0.009	0.035	0.069	0.004
46	VGM 1	15	<2	<0.001	0.007	0.005	0.066	0.006	0.001
47	VGM 2	1	<2	0.005	0.007	0.007	0.045	0.015	0.001
48	VGM 3	7	<2	<0.001	0.004	0.006	0.034	0.032	0.002
49	VGM 4	<1	<2	<0.001	0.003	0.005	0.026	0.050	<0.001
50	VGM 5	3	<2	<0.001	0.003	0.004	0.035	0.243	0.001

4. Ore Assay Results (2)

(Van Yen Area)

No.	Sample No.	Au ppb	Ag ppm	Cu %	Pb %	Zn %	Cr %	Mn %	Ni %
51	VGM 6	8	<2	0.035	0.007	0.012	0.016	0.072	0.002
52	VGM 9	8	<2	0.001	0.006	0.006	0.023	0.010	<0.001
53	VGM10	12	<2	0.102	0.004	0.004	0.021	0.108	<0.001
54	VGM11	<1	<2	0.012	0.004	0.015	0.015	0.145	0.006
55	VGM12	12	<2	0.006	0.004	0.057	0.007	0.262	0.003
56	VGM13	7	<2	<0.001	0.003	0.005	0.014	0.068	<0.001
57	VGM14	9	<2	<0.001	0.004	0.007	0.009	0.088	<0.001
58	VGM15	10	<2	<0.001	0.002	0.003	0.013	0.320	0.005
59	VGM16	<1	<2	0.006	0.049	0.017	0.137	0.701	0.075
60	VGM17	6	<2	0.030	0.043	0.008	0.099	0.099	0.020
61	VGM18	8	<2	0.191	0.003	0.003	0.023	0.014	<0.001
62	VGM19	2	<2	0.053	<0.001	0.001	0.035	0.004	0.003
63	VGM20	<1	<2	0.013	0.002	0.004	0.045	0.188	0.004
64	VGM21	<1	<2	<0.001	<0.001	0.006	0.031	0.110	0.003
65	VGM22	3	<2	<0.001	<0.001	<0.001	0.026	0.018	0.003
66	VGM23	2	<2	<0.001	<0.001	0.001	0.028	0.013	0.002
67	VGM24	8	<2	0.250	0.002	0.007	0.036	0.110	0.005
68	VGM25	3	<2	0.001	0.001	0.002	0.041	0.024	0.003
69	VGM26	<1	69	<0.001	<0.001	<0.001	0.038	0.005	0.003
70	VGM27	26	<2	0.009	17.244	0.004	0.005	<0.001	0.001
71	VGM28	<1	<2	<0.001	0.052	0.003	0.012	0.182	0.005
72	VGM29	5	<2	0.099	0.006	0.009	0.017	0.194	0.006
73	VNM 1	1	<2	<0.001	0.003	0.003	0.013	0.012	0.009
74	VNM 2	6	<2	<0.001	0.002	<0.001	0.012	0.003	<0.001
75	VNM 3	<1	<2	<0.001	0.003	0.002	0.030	0.042	<0.001
76	VNM 4	6	37	0.003	0.021	0.004	0.139	0.029	0.023
77	VSM 1	50	<2	1.651	0.005	0.112	0.064	0.060	0.002
78	VSM 2	3	<2	0.007	<0.001	0.005	0.025	0.054	0.011

4. Ore Assay Results (3)

(Western Thanh Hoa Area)

No.	Sample No.	Au ppb	Ag ppm	Cu %	Pb %	Zn %	Cr %	Mn %	Ni %	Sn %	W %
1	TFM 1	2	<2	0.004	0.001	0.001	0.030	0.008	0.001	0.003	0.001
2	TFM 2	6	<2	0.009	<0.001	0.006	0.006	0.072	0.003	<0.001	<0.001
3	TFM 3	<1	<2	0.002	0.004	0.009	0.008	0.036	0.002	<0.001	<0.001
4	TFM 4	1	<2	<0.001	0.001	0.001	0.008	0.003	<0.001	<0.001	<0.001
5	TFM 5	<1	<2	<0.001	0.005	0.025	0.008	0.093	0.001	0.008	0.001
6	TFM 6	1	<2	<0.001	0.005	0.013	0.013	0.176	<0.001	0.019	0.017
7	TFM 7	<1	<2	0.005	0.009	0.005	0.006	0.070	<0.001	0.119	0.004
8	TFM 8	2	<2	0.004	0.007	0.004	0.006	0.046	<0.001	0.018	0.002
9	TFM 9	2	<2	0.004	0.007	0.007	0.009	0.095	0.001	0.018	0.002
10	TFM10	3	2	0.003	0.010	<0.001	0.021	0.002	<0.001	0.027	0.001
11	TFM11	1	<2	0.011	0.029	0.011	0.014	0.252	<0.001	0.053	0.007
12	TFM12	<1	<2	0.001	0.006	0.008	0.022	0.364	<0.001	0.020	3.783
13	TFM13	7	<2	0.005	0.011	0.030	0.014	0.153	<0.001	0.010	0.034
14	TFM14	4	5	0.005	0.068	0.011	0.018	0.182	<0.001	0.050	0.093
15	TFM14-1	<1	<2	0.004	0.035	0.002	0.023	0.026	<0.001	0.483	0.015
16	TFM15	4	<2	0.003	0.007	0.001	0.024	0.076	<0.001	0.066	4.687
17	TFM16	1	<2	<0.001	0.002	0.002	0.033	0.307	<0.001	0.015	2.247
18	TFM17	2	2	0.002	0.009	0.002	0.017	0.008	<0.001	0.023	0.044
19	TFM18	293	12	0.701	0.002	0.011	0.011	0.012	0.013	<0.001	0.011
20	TFM19	135	44	2.321	0.016	0.037	0.030	0.022	0.004	0.002	0.004
21	TFM20	101	<2	0.017	0.010	0.012	0.025	0.006	0.001	<0.001	0.001
22	TFM21	243	<2	0.006	0.050	0.030	0.007	0.222	0.002	<0.001	<0.001
23	TFM22	21	<2	0.009	0.024	0.065	0.023	0.085	0.009	<0.001	0.002
24	TMM 1	2	<2	0.002	<0.001	0.003	0.043	0.032	<0.001	0.001	0.064
25	TMM 2	2	<2	<0.001	0.001	0.001	0.016	0.004	<0.001	<0.001	<0.001
26	TMM 3	1	<2	0.001	<0.001	0.003	0.023	0.005	<0.001	<0.001	0.003
27	TMM 4	2	<2	<0.001	0.002	0.002	0.010	0.002	<0.001	<0.001	0.001
28	TMM 5	3	<2	<0.001	<0.001	<0.001	0.013	0.004	<0.001	<0.001	0.002
29	TGM 1-1	<1	<2	0.004	0.019	0.044	0.031	0.015	0.002	<0.001	0.003
30	TGM 1-2	<1	<2	0.002	0.007	0.005	0.017	0.003	<0.001	<0.001	<0.001
31	TGM 1-3	<1	<2	0.003	0.015	0.023	0.020	0.005	0.002	<0.001	0.001
32	TGM 2	2	<2	<0.001	<0.001	<0.001	0.012	0.004	<0.001	<0.001	0.003
33	TGM 3	5	<2	0.004	0.009	0.003	0.009	0.002	<0.001	<0.001	0.001
34	TGM 4	1	<2	<0.001	0.003	0.001	0.036	0.007	<0.001	<0.001	0.002
35	TGM 5	110	<2	0.019	0.006	0.009	0.008	0.059	0.005	<0.001	<0.001
36	TGM 6	22	<2	0.004	0.002	0.002	0.036	0.029	0.001	<0.001	0.001
37	TGM 7	4	<2	0.005	0.002	0.010	0.009	0.371	0.003	<0.001	<0.001
38	TGM 8	2	16	0.015	0.002	0.050	0.013	2.424	0.006	<0.001	<0.001
39	TGM 9	3	2	0.013	0.002	0.021	0.007	1.934	0.026	<0.001	<0.001
40	TGM10	<1	<2	0.009	0.001	0.007	0.021	0.048	0.003	<0.001	<0.001
41	TNM 1	2	<2	<0.001	<0.001	0.001	0.062	0.018	<0.001	<0.001	0.003
42	TNM 2	1	<2	<0.001	0.006	0.044	0.021	0.016	0.002	<0.001	<0.001
43	TNM 3	1	<2	<0.001	0.001	0.003	0.049	0.031	0.001	<0.001	0.002
44	TNM 4	2	<2	<0.001	<0.001	<0.001	0.047	0.006	<0.001	<0.001	0.003
45	TNM 5	18	<2	0.001	0.019	0.029	0.021	0.007	<0.001	<0.001	<0.001
46	TNM 8	1	<2	0.001	0.003	<0.001	0.024	0.005	<0.001	<0.001	0.004

5. Results of Whole Rock Analysis

Van Yen Area

Sample	1	2	3	4	5	6	7	8	9	10	11	12	13
No.	VFR 1	VFR 2	VFR 3	VFR 4	VFR 5	VFR 6	VMR 1	VMR 4	VMR 7	VMR 8	VMR10	VMR11	VGR 5
SiO_2	72.07	46.40	44.89	61.26	47.61	61.25	43.47	49.22	43.64	47.54	44.58	57.40	44.43
TiO_2	0.13	3.42	3.08	0.51	2.10	0.60	0.85	2.05	0.65	1.32	3.35	0.97	1.58
Al_2O_3	15.03	14.07	14.34	14.54	14.59	16.98	7.25	11.64	5.91	15.12	13.48	16.19	14.34
Fe_2O_3	0.90	4.50	3.93	6.82	3.36	6.86	3.40	2.82	3.26	1.77	6.39	2.19	2.72
FeO	1.49	8.32	9.83	2.74	9.20	0.50	8.70	8.45	8.58	7.58	9.51	4.41	8.52
MnO	0.04	0.24	0.23	0.16	0.20	0.04	0.19	0.17	0.18	0.13	0.25	0.14	0.19
MgO	0.78	5.17	7.13	0.06	6.76	0.02	21.39	9.33	22.96	8.96	6.65	1.20	11.49
CaO	0.28	8.69	9.85	1.58	10.63	0.27	8.04	9.63	7.03	10.75	9.36	3.07	8.48
Na_2O	6.45	3.80	2.33	4.74	2.32	5.36	0.74	3.30	0.51	2.43	3.25	5.54	2.24
K_2O	1.17	1.06	0.74	5.05	0.75	7.10	0.16	1.34	0.21	0.92	0.63	3.91	0.67
P_2O_5	<0.01	1.30	0.87	0.06	0.24	0.13	0.06	0.32	0.05	0.13	0.41	0.26	0.32
LOI	1.11	2.46	2.45	1.98	1.84	0.51	2.92	1.43	4.27	2.99	1.72	4.14	4.88
Total	99.45	99.43	99.67	99.50	99.60	99.62	97.17	99.70	97.25	99.64	99.58	99.42	99.86

Sample	14	15	16	17	18	19	20	21	22
No.	VGR 6	VGR 7	VGR 8	VGR10	VGR11	VGR13	VGR15	VGR25	VGR26
SiO_2	63.04	65.23	49.10	51.30	62.47	47.79	46.18	64.22	64.10
TiO_2	0.45	0.37	0.96	1.66	0.73	2.32	4.55	0.46	0.20
Al_2O_3	14.93	16.77	9.35	16.55	14.71	14.61	13.94	15.51	15.45
Fe_2O_3	6.88	1.90	3.39	5.08	3.56	3.45	5.22	4.69	6.71
FeO	0.55	1.18	6.34	4.22	3.11	8.32	8.45	2.11	0.31
MnO	0.19	0.05	0.17	0.20	0.21	0.20	0.33	0.29	0.05
MgO	0.33	0.30	12.02	4.34	0.35	6.71	5.58	0.22	<0.01
CaO	0.97	0.83	11.99	5.50	2.17	10.52	6.91	0.98	0.05
Na_2O	4.89	5.67	1.45	4.55	6.37	2.50	4.05	5.52	3.16
K_2O	5.93	6.02	1.47	3.92	3.69	1.11	1.05	5.49	8.95
P_2O_5	0.04	0.06	0.39	0.77	0.09	0.32	0.59	0.04	0.02
LOI	1.58	1.20	3.11	1.57	2.06	1.88	2.59	0.28	0.39
Total	99.78	99.58	99.74	99.66	99.52	99.73	99.44	99.81	99.39

Western Thanh Hoa Area

Sample	1	2	3	4	5	6	7	8	9	10	11	12	13
No.	TFR 1	TFR 2	TFR 3	TFR 4	TMR 1	TMR 2	TMR 3	TMR 4	TMR 5	TMR 6	TGR11	TNR 8	TNR21
SiO_2	46.90	71.26	49.39	77.00	70.25	70.90	78.00	76.02	77.40	75.90	46.43	68.48	50.99
TiO_2	0.09	0.36	1.92	0.08	0.61	0.60	0.13	0.10	0.11	0.10	0.17	0.77	0.19
Al_2O_3	25.45	13.52	13.86	16.95	12.87	13.31	10.87	12.25	12.00	12.32	22.26	12.55	16.57
Fe_2O_3	0.86	1.22	2.87	3.02	0.90	1.12	0.26	0.40	0.94	0.19	0.71	1.10	0.77
FeO	1.99	1.67	7.89	0.13	3.42	2.68	1.25	1.12	0.87	1.25	3.29	3.91	5.16
MnO	0.05	0.05	0.19	<0.01	0.05	0.03	0.03	0.02	0.01	0.02	0.08	0.06	0.12
MgO	5.42	0.32	8.18	<0.01	1.36	1.41	<0.01	<0.01	0.11	<0.01	7.37	2.09	8.97
CaO	14.85	0.84	10.44	0.07	0.98	0.75	0.30	1.21	0.21	1.11	13.93	1.74	12.78
Na_2O	1.71	3.36	3.12	0.03	1.99	2.08	3.12	3.74	5.51	3.79	2.60	2.57	2.52
K_2O	0.19	5.59	0.57	0.04	4.94	5.56	5.22	4.38	1.54	4.42	0.29	4.11	0.22
P_2O_5	0.42	0.19	0.20	0.01	0.17	0.15	0.02	0.01	0.02	0.02	<0.01	0.16	<0.01
LOI	1.78	1.17	0.90	2.00	1.80	0.84	0.39	0.35	0.94	0.43	2.49	1.93	1.44
Total	99.71	99.55	99.53	99.33	99.34	99.33	99.59	99.60	99.66	99.55	99.62	99.47	99.64

Sample	14	15	16
No.	TNR22	TSR 4	TSR 8
SiO_2	48.99	73.48	75.55
TiO_2	0.19	0.30	0.11
Al_2O_3	19.12	12.93	12.80
Fe_2O_3	0.46	0.60	0.63
FeO	2.79	1.74	0.93
MnO	0.08	0.03	0.02
MgO	8.61	0.28	<0.01
CaO	14.63	1.70	0.84
Na_2O	2.24	0.87	3.79
K_2O	0.43	4.57	4.21
P_2O_5	<0.01	0.12	0.02
LOI	1.99	2.78	0.75
Total	99.53	99.40	99.65

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (1)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
1	VSF- 1	<1	<0.02	5.2	204	78.4	70	1.2	1469	54	17.9	<0.2	75
2	VSF- 2	<1	<0.02	2	132	36.6	45	0.89	1873	34	36.5	<0.2	81
3	VSF- 3	1	0.15	2.2	227	68.4	31	1.16	1556	34	21.8	<0.2	74
4	VSF- 4	<1	0.09	4.4	166	30	55	1.05	1217	46	24.4	<0.2	87
5	VSF- 5	4	0.08	2.9	206	79.6	44	1.15	1840	37	28	0.7	81
6	VSF- 6	1	<0.02	5.3	207	56.2	39	1.26	1669	42	24.4	0.3	82
7	VSF- 7	<1	0.16	3.3	215	78.2	42	1.37	1603	47	21.2	<0.2	83
8	VSF- 8	<1	0.47	3.1	130	41.1	37	0.99	1207	29	17.6	0.5	73
9	VSF- 9	<1	0.04	5.8	244	62.7	51	1.31	1388	47	26.2	<0.2	90
10	VSF- 10	<1	0.2	9.3	205	73.7	52	1.07	1852	69	30.6	0.6	97
11	VSF- 11	<1	0.06	31.1	207	45.7	79	0.31	1287	79	71	4.9	130
12	VSF- 12	2	0.29	3.7	205	68.4	37	1.27	2289	37	21.4	0.5	86
13	VSF- 13	2	0.02	14.5	196	41.1	47	0.91	1244	64	35.7	0.9	97
14	VSF- 14	3	0.22	6.4	206	62.4	31	1.25	1824	41	26.6	<0.2	84
15	VSF- 15	4	0.2	6.2	169	77.5	31	0.32	1738	48	20.4	<0.2	77
16	VSF- 16	1180	0.53	11.4	140	2879	64	1.48	1746	38	26.7	<0.2	119
17	VSF- 17	2	0.05	5.9	200	57.8	40	1.16	1435	47	23.2	<0.2	79
18	VSF- 18	<1	0.04	7.4	128	32.8	32	0.7	558	49	20.6	<0.2	49
19	VSF- 19	<1	<0.02	6.8	177	41	39	1.13	748	69	17.5	<0.2	77
20	VSF- 20	1540	0.72	14.2	112	6001	85	2.08	1755	41	25.5	0.6	171
21	VSF- 21	7	0.6	11	123	168.9	198	1.12	2810	37	46.6	<0.2	115
22	VSF- 22	2460	1.42	24.8	98	13169	143	2.02	1753	44	37.1	0.7	245
23	VSF- 23	<1	0.46	5.6	200	113.4	62	1.3	2271	51	19.2	<0.2	104
24	VSF- 24	2310	1.99	25.8	134	17393	187	2.03	1595	85	40.7	<0.2	289
25	VSF- 25	844	0.18	4.9	459	992.3	609	1.85	1954	112	21.5	<0.2	114
26	VSF- 26	3	0.51	6.2	245	109.4	37	1.26	2427	50	21.1	0.8	102
27	VSF- 27	6	0.4	4.4	472	81.8	56	1.05	2375	83	21.6	<0.2	98
28	VSF- 28	5	0.18	6.9	153	120.3	42	1.4	1919	43	20.5	0.6	87
29	VSF- 29	<1	0.1	9.3	201	83.8	45	1.5	2016	42	24.5	0.3	86
30	VSF- 30	4	0.71	9.1	78	76.9	39	0.83	3096	23	24.6	0.2	87
31	VSF- 31	3	0.39	7.1	144	86.4	35	1.08	2365	34	22.9	0.3	88
32	VSF- 32	1	0.85	4.4	163	90.7	45	1.17	1869	44	21.5	0.4	86
33	VSF- 33	2	0.19	5.2	341	85.5	41	1.17	2089	61	20.5	0.5	94
34	VSF- 34	6	<0.02	2.8	487	102.1	48	1.24	2043	80	18.2	1.8	92
35	VSF- 35	<1	0.43	2.5	55	97.9	42	0.79	2581	22	27.8	0.3	88
36	VSF- 36	<1	0.33	3.1	176	77.6	43	1.08	2118	40	24.5	<0.2	80
37	VSF- 37	2	0.19	3.8	156	83.4	31	1.18	1968	38	19.1	1.1	85
38	VSF- 38	<1	0.23	5	174	92.8	40	1.12	2197	41	21.6	<0.2	85
39	VSF- 39	1	0.27	4.7	130	96.2	39	1.29	1939	33	23.1	1	89
40	VSF- 40	1	0.23	4.8	136	93.3	34	1.26	1894	34	23	<0.2	87
41	VSF- 41	<1	0.61	4.2	266	88.9	51	1.3	4315	63	24.2	<0.2	122
42	VSF- 42	1	0.13	6.1	40	107.2	30	1.02	1557	27	22.1	0.6	94
43	VSF- 43	2	0.2	4.7	112	111.9	45	1.24	2081	36	23	<0.2	97
44	VSF- 44	1	0.25	4.1	127	113	32	1.47	1935	36	23	<0.2	99
45	VSF- 45	1	0.15	2.7	179	88.7	27	1.16	2368	37	24.2	<0.2	100
46	VSF- 46	2	0.49	4.3	190	77	31	0.76	3399	31	25.2	0.8	89
47	VSF- 47	2	0.21	5	214	103.7	263	1.16	2582	35	23.7	<0.2	103
48	VSF- 48	21	0.23	3.5	309	99.2	45	1.1	1928	92	23.5	<0.2	101
49	VSF- 49	<1	0.22	4.2	166	115.1	41	1.1	2433	33	24.2	<0.2	98
50	VSF- 50	1	1.65	5.9	216	122.9	45	0.88	6745	47	21.8	<0.2	115
51	VSF- 51	<1	0.7	2.8	407	56	36	0.98	4050	48	23.1	<0.2	114
52	VSF- 52	2	0.14	0.3	65	150	43	0.99	2633	33	23.5	<0.2	99
53	VSF- 53	1	0.21	3.2	175	112	27	1.04	2466	33	23.5	<0.2	99
54	VSF- 54	<1	0.14	2	67	93	36	1.05	1906	33	20.6	0.5	85
55	VSF- 55	<1	0.13	1.4	307	114	27	1.33	2057	54	21.7	<0.2	104
56	VSF- 56	<1	0.22	<0.2	107	82	29	0.93	1734	24	20.7	<0.2	76
57	VSF- 57	1	0.16	<0.2	107	86	39	1.19	1751	33	18.9	0.2	89
58	VSF- 58	<1	0.86	<0.2	259	59	37	1.01	1613	68	19.8	<0.2	74
59	VSF- 59	<1	0.16	2.6	268	52	34	1.08	1779	48	19.7	1	77
60	VSF- 60	<1	0.07	7	194	39	60	0.99	1175	70	28.1	<0.2	102
61	VSF- 61	<1	0.43	23	170	44	50	0.66	1392	66	72.7	1	157
62	VSF- 62	<1	0.29	5.8	203	41	31	1.04	1405	70	25.9	<0.2	102
63	VSF- 63	1	0.16	8.3	357	32	49	0.79	1679	107	31.1	0.5	100
64	VSF- 64	<1	0.11	5.6	214	42	42	1.01	1442	71	23.7	<0.2	101
65	VSF- 65	<1	0.21	6.1	157	15	53	0.8	1350	44	40	<0.2	83
66	VSF- 66	<1	0.32	4.4	218	38.6	36	0.72	1774	66	23.1	0.7	89
67	VSF- 67	<1	0.21	7.8	219	36.9	34	0.8	1553	65	34.1	<0.2	92
68	VSF- 68	<1	0.09	2.3	193	28.7	47	0.92	1547	51	22.8	<0.2	99
69	VSF- 69	1	0.27	4.6	237	50.4	40	0.62	1517	74	21.9	0.3	91
70	VSF- 70	<1	0.15	2.6	195	31	40	0.96	1937	58	27.5	<0.2	98
71	VSF- 71	<1	0.1	3	219	29.1	45	0.9	1569	50	17.7	0.2	92
72	VSF- 72	<1	0.1	0.6	125	41.3	42	0.99	2161	35	23.2	0.3	85
73	VSF- 73	<1	0.11	0.7	177	39.3	26	0.51	2180	29	22.3	<0.2	80
74	VSF- 74	<1	0.03	<0.2	129	35.5	39	0.58	1650	23	36.8	<0.2	108
75	VSF- 75	<1	<0.02	1.5	109	34.9	25	0.46	2569	20	63.4	<0.2	81
76	VSF- 76	<1	0.2	0.8	136	45.8	36	0.54	2018	25	57.2	<0.2	131
77	VSF- 77	<1	0.2	2.7	144	40.5	51	0.81	2399	35	17.9	<0.2	87
78	VSF- 78	<1	<0.02	<0.2	155	32.1	40	0.58	1651	31	18.1	<0.2	62

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (2)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
79	VSF- 79	<1	0.04	4.5	205	37.3	35	0.88	1743	45	18.7	<0.2	87
80	VSF- 80	<1	0.33	5.9	71	30.7	35	0.69	2978	18	52.8	0.9	290
81	VSF- 81	<1	0.19	6.1	84	36.5	21	0.64	3179	19	67.8	0.9	298
82	VSF- 82	<1	0.07	6.8	73	28.5	10	0.74	1950	22	43.2	<0.2	158
83	VSF- 83	<1	0.34	6	63	26	11	0.68	2996	19	70.9	1	318
84	VSF- 84	1	0.14	8.2	67	8.7	22	0.28	1807	19	66.4	0.4	157
85	VSF- 85	<1	0.27	2.9	36	23.4	18	0.56	3327	12	69.2	1.1	483
86	VSF- 86	1	0.41	4.1	40	24.8	15	0.63	3036	13	57.4	2.2	414
87	VSF- 87	<1	0.24	2.5	74	12.4	14	0.35	2161	14	72.3	1.7	238
88	VSF- 88	<1	0.39	3.9	38	34.8	17	0.65	3425	13	73.3	1.8	445
89	VSF- 89	<1	0.32	20.6	66	19.2	33	0.44	3050	21	37.8	<0.2	293
90	VSF- 90	<1	0.21	4.4	34	26.3	14	0.6	3228	11	66.3	2.6	390
91	VSF- 91	<1	0.19	4.7	43	26.6	23	0.55	3606	14	83	2.1	468
92	VSF- 92	<1	0.28	2.1	34	27	47	0.51	3880	13	45.7	<0.2	234
93	VSF- 93	<1	0.18	2.3	29	22	19	0.6	2741	9	48.1	2.6	305
94	VSF- 94	<1	0.42	7.2	100	22.2	29	0.39	3803	32	68.2	4.3	378
95	VSF- 95	<1	0.5	3.2	39	46.5	47	0.67	4863	11	173.7	0.2	934
96	VSF- 96	<1	0.72	1.3	30	36.5	55	0.75	5333	10	106.2	<0.2	350
97	VSF- 97	1	0.38	13.9	13	13.1	37	0.14	2958	5	39.2	8.2	262
98	VSF- 98	<1	0.27	6.6	15	10.3	35	0.24	1183	8	47.1	9.1	241
99	VSF- 99	<1	0.41	8.7	10	4.9	35	0.11	1011	4	39.7	6.6	216
100	VSF- 100	<1	0.33	2.5	36	19.2	26	0.44	2507	11	34	4.6	272
101	VSF- 101	<1	0.16	0.3	1515	29.3	31	1.02	2675	68	16.8	<0.2	101
102	VSF- 102	<1	0.17	<0.2	3104	47.6	22	2.27	2894	225	16.8	<0.2	166
103	VSF- 103	<1	0.43	<0.2	2690	67	19	2.52	3399	231	12.4	<0.2	179
104	VSF- 104	1	0.26	<0.2	3575	58.3	28	2.79	3070	266	13.8	<0.2	205
105	VSF- 105	2	<0.02	0.8	5543	39.7	26	4.83	1912	443	9.6	<0.2	350
106	VSF- 106	<1	<0.02	<0.2	3469	146.9	30	6.97	1460	715	8	0.7	232
107	VSF- 107	2	<0.02	2.1	1737	73.6	28	6.21	1364	369	14.2	<0.2	194
108	VSF- 108	2	0.07	2	337	32.3	16	3.97	647	88	6.7	<0.2	70
109	VSF- 109	<1	0.08	7.7	311	28.2	28	0.7	775	91	17.5	<0.2	89
110	VSF- 110	<1	0.26	5.4	1853	29.4	26	1.84	1980	313	17.3	<0.2	133
111	VSF- 111	<1	0.17	1	91	156.7	29	1.56	1902	45	18	<0.2	103
112	VSF- 112	<1	0.25	2	426	70.3	19	3.14	1936	103	17.3	<0.2	118
113	VSF- 113	<1	<0.02	2	511	57.1	12	2.31	1726	85	20.3	<0.2	88
114	VSF- 114	2	0.38	1	365	103	25	1.72	3158	73	26.4	<0.2	117
115	VSF- 115	<1	0.13	8.4	268	28.9	21	4.05	1572	107	15.5	<0.2	106
116	VSF- 116	5	0.44	2	383	104	26	1.43	3339	65	25.2	<0.2	116
117	VSF- 117	2	<0.02	1	138	89.3	26	1.39	1998	41	19.9	<0.2	95
118	VSF- 118	1	0.21	2.2	102	139	39	1.07	2866	28	27.2	<0.2	126
119	VSF- 119	3	0.33	3.2	249	150.7	48	1.39	3289	43	27.8	<0.2	130
120	VSF- 120	136	0.7	0.2	46	95.3	28	0.53	4551	18	23.6	<0.2	142
121	VSF- 121	2	0.08	0.6	11	9.4	26	0.59	2428	3	41	<0.2	386
122	VSF- 122	<1	<0.02	3.6	104	19.3	17	0.57	1350	24	29.3	<0.2	87
123	VSF- 123	4	0.12	10.4	144	32.3	23	0.95	725	48	15.2	1.3	66
124	VSF- 124	2	0.77	1.6	172	112.7	399	1.18	5120	45	19.9	<0.2	116
125	VSF- 125	8	0.14	1	610	92	37	0.9	2850	63	22.5	<0.2	97
126	VSF- 126	3	1.62	<0.2	52	127.6	32	0.6	7786	22	21.2	<0.2	125
127	VSF- 127	2	0.87	4.2	209	98.4	17	0.99	5847	44	20.6	<0.2	93
128	VSF- 128	<1	0.02	3.1	308	66.4	16	2.28	1373	68	17	<0.2	75
129	VMS- 1	<1	0.13	1.8	186	123.9	26	1.41	2322	38	22.5	<0.2	89
130	VMS- 2	5	<0.02	2.2	334	69.7	25	2.39	1766	78	19.4	<0.2	83
131	VMS- 3	<1	0.12	5.2	247	18.9	23	0.49	687	63	12.4	<0.2	49
132	VMS- 4	1	0.07	2.2	560	50.5	31	2.54	1373	67	14.7	<0.2	111
133	VMS- 5	<1	0.07	<0.2	547	35.3	14	1.93	1443	57	14.3	<0.2	84
134	VMS- 6	<1	<0.02	3.3	357	46.6	55	2.18	1846	59	17.4	<0.2	96
135	VMS- 7	1	0.02	1	605	34.4	44	3.16	1464	53	15.7	<0.2	93
136	VMS- 8	1	0.21	<0.2	2621	91.1	30	5.56	1358	401	14.7	<0.2	207
137	VMS- 9	<1	0.21	1.1	853	53.9	22	2.28	1348	120	16.6	<0.2	108
138	VMS- 10	<1	<0.02	1.8	2827	61	31	4.39	1405	249	14.7	<0.2	181
139	VMS- 11	3	0.06	1.2	1745	68.9	32	5.15	1536	262	12.8	<0.2	140
140	VMS- 12	<1	0.02	1.9	859	56.4	36	2.94	1153	175	19.8	<0.2	117
141	VMS- 13	<1	<0.02	6.9	208	31	46	0.88	870	57	18.9	<0.2	161
142	VMS- 14	4	0.14	<0.2	886	83.1	17	3.46	1599	276	15.8	<0.2	107
143	VMS- 15	<1	0.03	9.9	239	25.8	27	1.59	823	73	30.2	<0.2	98
144	VMS- 16	<1	0.03	3	850	74.3	26	3.18	1234	205	16.7	<0.2	116
145	VMS- 17	<1	<0.02	1.6	1743	54.9	29	3.93	1731	159	18.7	<0.2	137
146	VMS- 18	<1	<0.02	<0.2	1521	75.1	38	2.89	1949	195	19.9	<0.2	129
147	VMS- 19	<1	0.08	0.4	895	61.6	38	3.09	2342	131	19.1	<0.2	119
148	VMS- 20	<1	0.72	4.5	236	16.7	26	0.53	2827	25	31.5	<0.2	105
149	VMS- 21	3	0.1	3.8	1262	57.6	31	3.49	1384	193	21.3	<0.2	141
150	VMS- 22	<1	0.23	0.5	1071	9.5	31	1.85	1730	78	15.9	<0.2	126
151	VMS- 23	<1	0.55	6.2	129	84.7	35	1.08	1109	46	36.9	<0.2	155
152	VMS- 24	<1	0.47	10.2	248	63.6	38	4.36	1431	80	18.3	0.4	113
153	VMS- 25	<1	0.37	4.3	191	24.3	26	0.42	1169	56	19.6	<0.2	124
154	VMS- 26	<1	0.3	4.8	464	27.7	15	1.48	1131	104	17.5	<0.2	107
155	VMS- 27	<1	0.28	5.5	184	34.9	25	4.06	901	53	15.5	0.3	95
156	VMS- 28	<1	0.47	7.8	213	42	27	4.25	1095	52	16.6	<0.2	111

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (3)

No.	Sample No.	Au	Ag	As	Cr	Cu	Hg	Mg	Mn	Ni	Pb	Sb	Zn
	unit	ppb	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm
157	VNS- 29	<1	0.43	7.9	462	22.6	53	2.55	1646	99	35.3	0.7	143
158	VNS- 30	<1	0.67	6.6	420	47.5	34	1.17	1918	146	17.1	0.3	217
159	VNS- 31	<1	0.96	5.5	55	56.8	57	0.53	2539	53	20.8	<0.2	133
160	VNS- 32	<1	0.66	18.7	642	26	52	0.62	2219	71	48.6	1.2	228
161	VNS- 33	2	0.41	7.8	92	55.7	67	1	773	65	22.2	0.3	126
162	VNS- 34	<1	0.28	7	1925	32	35	2.9	1246	283	19.3	0.3	104
163	VNS- 35	<1	0.25	8	636	22.9	23	1.1	699	119	15.4	0.2	75
164	VNS- 36	<1	0.18	3.9	512	14.3	20	1.06	568	91	9.6	<0.2	56
165	VNS- 37	<1	0.11	7.1	1051	16.4	28	1.49	568	152	8.3	0.8	57
166	VNS- 38	<1	0.3	5.6	1819	29.1	47	2.1	1772	284	31.6	<0.2	107
167	VNS- 39	<1	0.39	3.2	1272	33.2	27	1.98	1618	269	32.6	<0.2	111
168	VNS- 40	<1	0.48	2.2	2418	18.9	26	1.82	1204	217	13.4	<0.2	89
169	VNS- 41	<1	0.33	1.8	47	26.6	27	0.15	741	30	13.3	0.5	57
170	VNS- 42	<1	0.46	3.5	44	16.2	23	0.1	279	18	10.6	<0.2	36
171	VNS- 43	<1	0.39	1.2	37	17.8	32	0.11	480	19	10.2	<0.2	37
172	VNS- 44	<1	0.35	3.5	52	28.9	21	0.15	261	26	12.8	<0.2	49
173	VNS- 45	<1	0.38	4.9	175	13.1	23	0.56	391	52	21.6	<0.2	42
174	VNS- 46	<1	0.17	10.2	352	10.8	35	0.59	406	64	18.3	<0.2	46
175	VNS- 47	<1	0.13	32.1	64	16.8	34	0.26	342	30	23.8	0.6	52
176	VNS- 48	1	0.18	3.4	49	24.7	13	0.16	449	21	16.8	<0.2	38
177	VNS- 49	<1	0.46	7.7	237	10	<10	0.63	454	57	15.1	<0.2	40
178	VNS- 50	<1	0.21	4.8	841	17.1	26	1.25	749	151	18.1	0.5	60
179	VNS- 51	<1	0.62	14.4	57	8.4	27	0.14	373	15	19.6	<0.2	34
180	VNS- 52	<1	0.27	28.5	1867	17.6	135	2.12	1221	253	34.1	<0.2	97
181	VNS- 53	2	0.5	13.1	1068	43.1	72	1.55	2433	232	32.6	0.2	135
182	VNS- 54	<1	0.16	21.3	267	36.8	42	0.52	604	118	21.9	<0.2	56
183	VNS- 55	<1	0.02	8.7	74	25.8	27	0.41	614	47	24.9	<0.2	61
184	VNS- 56	<1	<0.02	0.6	49	8.9	12	0.08	216	23	6.8	<0.2	22
185	VNS- 57	<1	0.03	2	28	4.4	13	0.1	175	18	6.1	<0.2	19
186	VNS- 58	<1	0.14	5.5	48	11.1	33	0.22	472	23	18.2	0.2	41
187	VNS- 59	<1	0.22	<0.2	25	3.5	<10	0.05	155	8	5.8	<0.2	17
188	VNS- 60	<1	0.15	5.5	50	13.8	21	0.3	507	24	21.8	<0.2	49
189	VNS- 61	<1	0.23	6	46	11.1	23	0.21	477	22	22.4	<0.2	45
190	VNS- 62	<1	0.16	<0.2	99	16.5	21	0.08	252	29	8.5	<0.2	26
191	VNS- 63	<1	0.41	0.4	28	12.5	13	0.08	268	14	9.8	<0.2	25
192	VNS- 64	<1	0.21	1.5	37	13.1	17	0.12	447	15	14.7	<0.2	30
193	VNS- 65	<1	0.37	3.7	325	11.6	12	0.69	501	63	16.3	<0.2	45
194	VNS- 66	<1	0.12	<0.2	25	5.9	17	0.08	185	13	7.4	0.7	19
195	VNS- 67	<1	0.25	9.3	529	16.2	33	0.78	663	96	22	<0.2	61
196	VNS- 68	<1	0.28	7.6	534	22.4	30	1.24	622	124	23.3	<0.2	59
197	VNS- 69	<1	0.08	2.5	32	7.5	22	0.14	414	16	13.5	<0.2	32
198	VNS- 70	<1	0.18	0.7	33	5.8	22	0.12	641	22	13	<0.2	25
199	VNS- 71	<1	0.17	1	24	7	12	0.05	413	14	7	<0.2	29
200	VNS- 72	<1	0.19	<0.2	24	3.3	14	0.09	259	10	8.1	<0.2	22
201	VNS- 73	<1	0.34	8.9	37	8.8	15	0.13	384	18	16	0.3	57
202	VNS- 74	<1	0.26	1.7	150	13.5	33	0.31	352	34	4.3	<0.2	44
203	VNS- 75	<1	0.32	4.2	315	30.1	34	0.54	1213	56	12.6	<0.2	69
204	VNS- 76	<1	0.29	2.4	98	19.4	13	0.41	609	36	10.1	<0.2	56
205	VNS- 77	<1	0.64	8.5	650	46.3	<10	4.61	2047	122	12.5	<0.2	137
206	VNS- 78	<1	0.67	4.2	220	38	17	0.47	2702	68	11.9	0.5	114
207	VNS- 79	<1	0.35	4.1	378	27.2	14	0.6	734	71	10.6	<0.2	103
208	VNS- 80	<1	0.31	2.5	128	18.3	18	0.3	466	44	7.7	<0.2	62
209	VNS- 81	<1	0.12	5.4	91	15.4	16	0.36	536	39	16.3	<0.2	44
210	VNS- 82	<1	0.35	4.9	57	17.3	16	0.29	447	26	12.7	<0.2	52
211	VNS- 83	<1	0.16	5.2	804	13.2	25	0.92	454	90	14.6	<0.2	60
212	VNS- 84	<1	0.22	9.9	109	15.2	22	0.39	479	29	20.7	0.9	58
213	VNS- 85	<1	0.05	6.9	336	16.3	20	0.77	518	71	15.3	0.7	56
214	VNS- 86	<1	0.15	8.3	549	17.4	21	0.81	787	93	23.4	0.5	64
215	VNS- 87	<1	0.72	15.7	714	73.5	25	2.27	3581	207	14.7	0.3	115
216	VNS- 88	<1	0.5	30.8	661	39.1	66	0.81	1371	107	39.9	<0.2	170
217	VNS- 89	<1	0.26	7.6	82	14.7	17	0.26	372	25	14.1	0.6	45
218	VNS- 90	<1	0.23	10.2	59	14.9	33	0.32	529	25	22.5	<0.2	51
219	VNS- 91	<1	0.17	8.2	679	18.7	37	1.05	746	114	20.5	<0.2	71
220	VNS- 92	<1	0.2	4.5	383	17.1	19	0.63	378	55	14.5	0.2	76
221	VNS- 93	<1	0.17	13.7	66	15.1	50	0.26	737	29	27.5	0.5	53
222	VNS- 94	<1	0.09	6.3	810	17.9	26	1.25	731	133	19.9	<0.2	70
223	VNS- 95	<1	0.1	2.7	25	5.1	12	0.09	194	11	8.4	<0.2	21
224	VNS- 96	<1	0.06	3.1	32	9.4	17	0.21	335	15	9.8	<0.2	31
225	VNS- 97	<1	0.1	3.9	41	8.3	12	0.15	305	17	11.2	<0.2	27
226	VNS- 98	<1	0.25	3.3	50	10.4	34	0.27	296	20	13.8	<0.2	38
227	VNS- 99	<1	0.17	3.4	36	8.2	13	0.15	303	20	11.6	0.9	33
228	VNS- 100	<1	0.24	5.1	46	8.4	14	0.17	325	19	11.1	<0.2	34
229	VNS- 101	<1	0.3	3.5	52	7.3	12	0.09	207	12	6.7	<0.2	27
230	VNS- 102	<1	0.16	3.5	32	5.5	16	0.1	227	12	11.8	0.7	25
231	VNS- 103	3	0.35	1.1	51	14.7	22	0.26	974	19	10.7	<0.2	40
232	VNS- 104	3	0.28	1.6	55	8.8	16	0.1	261	12	13.5	0.2	30
233	VNS- 105	<1	0.77	<0.2	87	74.9	15	0.75	4047	31	15	<0.2	112
234	VNS- 106	4	0.33	<0.2	46	89.3	16	0.73	2047	29	12.2	<0.2	97

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (4)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
235	VMS- 107	1	0.91	<0.2	91	70.2	<10	0.73	4094	29	16.7	<0.2	104
236	VMS- 108	4	0.63	0.2	103	119.7	20	1.15	2462	41	13.3	<0.2	128
237	VMS- 109	<1	0.56	<0.2	71	136.8	21	0.9	2427	36	16	<0.2	107
238	VMS- 110	<1	0.71	1.3	71	29.1	<10	0.47	3932	17	16.1	<0.2	78
239	VMS- 111	<1	0.74	1.1	74	78.3	28	0.77	3222	28	15.9	<0.2	98
240	VMS- 112	2	0.12	0.7	1336	48.1	11	1.06	645	105	9.7	<0.2	95
241	VMS- 113	1	0.44	4.6	213	120.7	<10	1.48	2397	52	17.5	<0.2	98
242	VMS- 114	2	0.6	7.9	215	46.6	14	1.16	2431	62	19.4	<0.2	86
243	VMS- 115	<1	0.16	13.4	140	25.3	19	0.6	625	45	20	0.7	65
244	VMS- 116	<1	<0.02	4.9	174	31.3	<10	1.08	1013	49	14.6	<0.2	68
245	VMS- 117	2	1.68	6.6	674	158	10	0.53	4541	123	18.1	<0.2	150
246	VMS- 118	2	0.67	6.6	89	169.3	11	0.96	2970	35	10.9	<0.2	105
247	VMS- 119	<1	0.24	3.6	197	38.9	<10	1.12	1636	46	15.4	0.4	68
248	VMS- 120	5	0.63	5.7	305	110.7	20	1.85	2715	80	17.9	<0.2	123
249	VMS- 121	<1	0.22	2.8	1014	41.6	18	2.38	934	291	13.2	<0.2	81
250	VMS- 122	2	0.08	11.6	1056	89.8	47	3.25	1427	358	14.1	<0.2	95
251	VMS- 123	5	<0.02	2.1	398	21.9	<10	0.98	290	101	6.2	0.6	45
252	VMS- 124	<1	0.08	6.3	1294	33.5	13	1.89	1183	182	13	0.4	96
253	VMS- 125	<1	0.1	1.2	985	61	<10	4.06	1701	287	12.9	0.5	100
254	VMS- 126	<1	0.04	<0.2	495	81	22	2.03	1803	134	14.9	<0.2	102
255	VMS- 127	2	0.07	1.2	1638	61.8	19	5.18	1573	403	9.4	0.6	125
256	VMS- 128	3	0.06	0.9	2312	65.6	14	9.24	1161	712	4.1	0.9	133
257	VMS- 129	<1	<0.02	0.7	1818	78	13	9.86	1181	747	4.1	0.8	125
258	VMS- 130	1	0.18	2.6	1175	122.7	31	4.05	1375	429	10.9	<0.2	101
259	VMS- 131	351	<0.02	3.3	939	85.6	12	3.67	1290	308	11.4	<0.2	91
260	VMS- 132	2	0.06	3.8	2885	53	13	3.23	2066	285	36.1	<0.2	156
261	VMS- 133	3	0.12	2.4	1278	70.3	24	4.53	1407	430	13.9	<0.2	97
262	VMS- 134	<1	0.25	1.6	231	10	22	0.51	1131	29	9.6	0.3	43
263	VMS- 135	<1	0.1	4.7	695	63.1	20	2.78	1795	249	15.6	<0.2	87
264	VMS- 136	1	0.03	7.4	925	49.2	14	2.05	1429	218	15.4	<0.2	83
265	VMS- 137	<1	0.1	4.3	2286	58	18	3.49	1905	303	12.2	<0.2	128
266	VMS- 138	<1	0.02	6	1100	49.3	20	2.33	1116	240	13.6	<0.2	71
267	VMS- 139	<1	0.02	3.7	1518	39.4	22	2.43	1464	177	10.6	<0.2	101
268	VMS- 140	2	<0.02	5.6	938	54.4	36	3.38	1065	297	9.7	<0.2	91
269	VMS- 141	<1	<0.02	2.3	2139	56.9	27	3.6	1260	342	12.8	1.1	115
270	VMS- 142	<1	0.17	2.7	3427	54.6	83	3.04	2359	266	12.8	0.2	174
271	VMS- 143	<1	<0.02	3.3	896	49	20	1.65	945	171	13.5	<0.2	49
272	VMS- 144	203	0.24	3.2	2921	98.7	25	4.99	1922	420	11.7	<0.2	166
273	VMS- 145	<1	0.18	28.9	321	18.5	58	0.13	966	25	11.2	<0.2	59
274	VMS- 146	<1	1.05	23.9	169	104.6	182	0.84	1759	86	42.1	0.9	147
275	VMS- 147	<1	0.95	22.9	152	45.3	156	0.43	2505	58	30	0.5	100
276	VMS- 148	<1	0.73	5.9	158	73.8	68	1.42	890	91	21.8	<0.2	132
277	VMS- 149	<1	1.1	14.2	149	80	94	1.04	3122	84	31	0.3	139
278	VMS- 150	<1	1.1	16.4	176	81.3	112	0.96	3401	92	32.4	<0.2	137
279	VGS- 1	<1	0.13	4.3	118	32.4	37	0.81	2448	28	18.7	<0.2	89
280	VGS- 2	<1	0.43	6	80	28.7	13	0.36	2239	18	19.7	0.9	77
281	VGS- 3	<1	0.31	6	85	34.4	34	0.58	2280	25	19	0.5	92
282	VGS- 4	3	0.42	2.7	83	33.7	27	0.73	1964	26	16.6	0.5	106
283	VGS- 5	<1	0.47	4.2	108	33.6	18	0.65	2257	27	19.3	<0.2	114
284	VGS- 6	2	0.61	4.6	86	41.4	21	0.66	2556	24	21.2	<0.2	105
285	VGS- 7	<1	0.15	5.7	155	25.9	<10	0.46	1309	28	25.9	<0.2	82
286	VGS- 8	2	0.77	2.5	77	111.9	<10	1.05	2868	28	16.8	<0.2	95
287	VGS- 9	<1	0.69	1.7	113	88	<10	1.23	3455	35	15.8	<0.2	104
288	VGS- 10	<1	0.05	12.6	93	39.8	11	0.7	1651	22	30.2	<0.2	128
289	VGS- 11	<1	0.33	8.3	103	44.7	<10	0.68	2204	23	31.8	0.6	105
290	VGS- 12	<1	0.29	5.9	97	62	<10	1.01	2236	32	19	0.2	90
291	VGS- 13	1	0.42	6.4	108	68.6	<10	1.01	2366	44	21.9	<0.2	87
292	VGS- 14	<1	0.02	15.4	227	13.2	50	0.8	1167	82	23.4	1	88
293	VGS- 15	<1	<0.02	6.6	189	18.7	<10	0.84	1139	51	34.2	0.7	77
294	VGS- 16	1	0.17	6	243	66	<10	1.14	1899	41	21.9	<0.2	79
295	VGS- 17	<1	0.41	9.5	52	50	10	0.65	2701	21	17.7	0.3	71
296	VGS- 18	<1	0.57	9.8	35	58.2	<10	0.7	2483	20	16.5	0.8	74
297	VGS- 19	<1	0.25	10.9	97	27.8	21	0.48	1082	23	29.7	0.3	63
298	VGS- 20	<1	0.16	6.5	167	86.1	<10	1.37	1874	46	18.2	<0.2	86
299	VGS- 21	1	0.75	5.2	126	54.7	12	0.58	3785	28	22.7	<0.2	78
300	VGS- 22	<1	0.34	6.7	71	96.6	<10	1.01	3296	30	15.9	<0.2	86
301	VGS- 23	<1	0.08	8.2	217	72.6	13	1.55	1586	47	20.5	0.4	74
302	VGS- 24	<1	0.25	6.9	214	89.5	13	1.68	2081	52	20.7	1.1	83
303	VGS- 25	<1	0.6	6.7	54	62.4	10	0.84	2078	23	18.9	1.3	108
304	VGS- 26	<1	0.63	6.6	78	135.9	14	1.14	2995	28	16	1.2	102
305	VGS- 27	2	0.69	5.7	102	130.7	14	1.19	3832	35	17.8	0.4	107
306	VGS- 28	<1	0.67	5.3	65	138.9	10	1.06	3294	25	16.7	0.8	103
307	VGS- 29	1	0.32	5.7	144	54	25	0.78	2809	28	17.5	0.6	97
308	VGS- 30	2	0.55	4.9	47	154.2	<10	1.11	3007	26	14.6	<0.2	110
309	VGS- 31	<1	0.5	7	233	42	<10	1.11	4193	36	16.2	<0.2	98
310	VGS- 32	<1	0.18	4.6	198	81.5	<10	1.49	2433	42	18	1.6	87
311	VGS- 33	<1	0.15	9	230	82.2	13	1.54	2183	48	21.4	0.9	85
312	VGS- 34	<1	0.21	6.1	197	105.2	19	1.61	2310	50	17.8	1.4	93

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (5)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
313	VGS- 35	<1	0.27	8.2	367	33.9	<10	1.88	2415	48	25.2	0.2	75
314	VGS- 36	2	0.64	7.3	52	72.1	12	0.69	3306	23	20.5	<0.2	98
315	VGS- 37	<1	1.07	10.5	48	81.4	11	1.02	4249	27	20.2	<0.2	123
316	VGS- 38	<1	0.14	8.9	74	41.9	13	0.75	1815	26	14.8	<0.2	75
317	VGS- 39	<1	0.72	6.3	96	121.8	<10	1.36	3138	36	14.8	0.7	108
318	VGS- 40	<1	0.5	6.8	337	54.7	<10	1.64	3235	57	18.7	<0.2	86
319	VGS- 41	<1	0.63	4.5	64	42.7	14	0.65	1917	19	14.9	0.3	73
320	VGS- 42	2	0.05	2.6	361	97.3	12	1.95	2167	86	20.7	<0.2	87
321	VGS- 43	9	0.9	4.8	93	126	<10	1.29	3485	35	15.1	<0.2	112
322	VGS- 44	2	0.53	4.8	88	88.3	<10	0.91	2841	27	16.2	<0.2	88
323	VGS- 45	<1	0.74	2.3	52	138.1	<10	1.07	3318	26	16.7	<0.2	112
324	VGS- 46	2	0.69	1.8	54	144.7	14	1.25	3382	31	15.5	<0.2	124
325	VGS- 47	<1	1.38	3.2	74	128.3	31	0.72	6014	28	16.1	<0.2	131
326	VGS- 48	1	2.23	2.4	81	77.9	15	0.67	7276	22	15.4	<0.2	144
327	VGS- 49	<1	0.56	14.7	42	39.9	<10	0.38	1759	16	26.3	<0.2	85
328	VGS- 50	<1	0.39	7	77	89.4	<10	1.2	2529	31	21.2	<0.2	94
329	VGS- 51	<1	0.39	12	113	66.1	13	0.92	2392	31	28.5	0.5	88
330	VGS- 52	1	0.29	4.3	98	84.6	10	1.23	2325	30	20.4	<0.2	81
331	VGS- 53	<1	0.49	7.5	67	102.5	11	1.04	3049	28	20.5	<0.2	90
332	VGS- 54	1	0.08	4.7	267	43.9	<10	1.18	1985	35	23.8	<0.2	62
333	VGS- 55	<1	0.47	4.2	52	124.5	<10	1.16	3155	30	19.8	<0.2	95
334	VGS- 56	<1	0.61	4.3	56	96.8	12	1.4	3105	32	16	<0.2	105
335	VGS- 57	2	0.18	9	56	75.1	21	0.64	2321	19	30	<0.2	78
336	VGS- 58	<1	0.36	3.1	47	104.5	29	1.19	2382	29	15.9	<0.2	89
337	VGS- 59	2	1.67	3.3	81	76.7	21	0.97	5131	29	17.1	<0.2	116
338	VGS- 60	<1	0.28	7.2	81	40.2	<10	0.62	1728	23	26	0.6	82
339	VGS- 61	<1	0.16	5.2	467	31.7	13	1.88	1636	61	22.8	<0.2	69
340	VGS- 62	<1	0.73	11.3	167	88.2	12	1.22	3375	46	26.8	<0.2	100
341	VGS- 63	5	0.16	5.6	283	84.4	20	1.56	1857	51	21.9	<0.2	87
342	VGS- 64	1	<0.02	3.4	683	31.9	14	3.25	1304	91	25.8	<0.2	79
343	VGS- 65	<1	0.34	7.4	71	102.4	22	1.06	1935	30	23.2	<0.2	81
344	VGS- 66	2	0.24	5.7	47	101.7	18	1.01	2127	28	25.1	<0.2	87
345	VGS- 67	1	0.31	4.9	247	93.7	14	1.07	2226	37	22	<0.2	84
346	VGS- 68	<1	0.64	5.8	321	49.5	16	1.17	3723	86	23	<0.2	95
347	VGS- 69	2	0.26	6.3	56	97	17	1.07	2025	27	23.1	<0.2	85
348	VGS- 70	1	0.26	2.4	151	88	21	1.2	2209	38	19.9	<0.2	87
349	VGS- 71	1	0.45	4.6	61	22.8	22	0.37	1873	17	14.1	<0.2	87
350	VGS- 72	<1	0.56	7.3	105	101.1	22	0.77	2433	36	19.1	<0.2	143
351	VGS- 73	1	0.31	8.4	160	27	17	0.78	1284	37	17.7	0.9	125
352	VGS- 74	<1	0.32	3	250	26.2	15	1.11	2022	77	16	<0.2	119
353	VGS- 75	<1	0.3	5.5	200	22.5	<10	1	2191	53	18.4	0.8	118
354	VGS- 76	<1	0.31	5.5	136	21.4	<10	0.46	1185	27	23	0.7	81
355	VGS- 77	<1	0.13	3.1	254	18.3	<10	1.58	1775	73	17.8	<0.2	113
356	VGS- 78	<1	0.52	2.3	354	42.2	21	1.27	2670	77	17	<0.2	139
357	VGS- 79	<1	0.31	9.8	208	95.1	<10	1.27	1162	65	17.5	0.6	99
358	VGS- 80	<1	0.1	5.9	267	24.7	10	1.17	1532	68	15.6	0.7	95
359	VGS- 81	<1	0.22	8.9	182	22.9	19	0.68	1082	35	17.3	<0.2	91
360	VGS- 82	<1	0.35	4.4	212	31	<10	1.08	2095	60	18.8	<0.2	118
361	VGS- 83	<1	0.28	11.3	150	23.4	11	0.76	1125	35	16.7	<0.2	87
362	VGS- 84	<1	0.3	6.3	273	49.2	10	1.47	1123	75	13.9	0.2	102
363	VGS- 85	<1	0.23	2.8	361	36.5	13	2.08	1290	91	13.8	<0.2	104
364	VGS- 86	<1	0.23	4	243	44.7	20	1.41	923	73	13	<0.2	90
365	VGS- 87	<1	0.31	9	149	16.8	10	0.63	1952	40	20.5	<0.2	111
366	VGS- 88	<1	0.1	8.8	219	17.1	<10	0.6	1047	59	17.8	2.5	72
367	VGS- 89	<1	0.27	7	159	40.7	12	0.82	1652	45	20.9	<0.2	110
368	VGS- 90	<1	0.35	8.5	87	44.9	11	0.55	1905	26	19.6	<0.2	106
369	VGS- 91	<1	0.32	10.6	113	24.2	11	0.7	925	34	14.1	<0.2	74
370	VGS- 92	<1	0.97	27	139	91.5	10	0.47	851	49	52.8	0.4	156
371	VGS- 93	<1	0.47	20.2	209	45.7	15	0.65	595	60	19.4	<0.2	84
372	VGS- 94	<1	0.99	28.2	114	90.4	18	0.48	632	50	54.7	<0.2	151
373	VGS- 95	312	0.45	15.2	200	64.6	19	0.53	2541	85	23.7	<0.2	122
374	VGS- 96	<1	0.78	50.2	133	133.1	35	0.51	2219	56	21	<0.2	119
375	VGS- 97	<1	0.17	8.5	146	20.8	27	0.72	975	40	15.6	<0.2	81
376	VGS- 98	2	0.75	29.8	75	39.7	28	0.25	1377	31	34.2	<0.2	88
377	VGS- 99	<1	0.11	9.5	111	21.3	23	0.72	863	34	13.4	<0.2	73
378	VGS- 100	<1	0.04	8.9	162	9.5	31	0.46	384	31	7.9	<0.2	37
379	VGS- 101	<1	0.16	11.6	137	20.8	20	0.74	1151	35	17.1	<0.2	87
380	VGS- 102	<1	0.23	8.9	129	20.1	19	0.75	1010	34	18.8	<0.2	81
381	VGS- 103	3	0.35	13.7	119	30.7	26	0.47	1560	32	18.5	0.5	103
382	VGS- 104	<1	0.2	14.7	88	32.2	32	0.45	1916	27	20.8	0.2	118
383	VGS- 105	<1	<0.02	9.8	81	11.7	19	0.21	402	22	16.1	0.2	53
384	VGS- 106	<1	0.26	9.9	96	22.4	26	0.72	1073	31	14.5	<0.2	79
385	VGS- 107	<1	0.1	15.8	67	15.4	18	0.26	498	29	17.6	<0.2	59
386	VGS- 108	<1	0.08	16.7	54	15.2	20	0.09	296	25	15.3	<0.2	53
387	VGS- 109	<1	0.09	10.4	68	11.8	19	0.24	360	23	13.2	1.2	48
388	VGS- 110	1	0.12	5.2	77	8	22	0.22	532	16	15.2	<0.2	45
389	VGS- 111	1	0.34	8.2	91	10	24	0.21	378	26	21	0.3	56
390	VGS- 112	<1	0.27	7.9	102	18.7	35	0.39	1136	23	20.1	0.2	90

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (6)

No.	Sample No.	Au	Ag	As	Cr	Cu	Hg	Mg	Mn	Ni	Pb	Sb	Zn
	unit	ppb	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm
391	VGS- 113	<1	0.09	13.3	38	26.1	13	0.17	418	28	13.9	<0.2	52
392	VGS- 114	<1	0.42	22.5	99	32	18	0.37	1056	37	17.9	1.3	78
393	VGS- 115	<1	0.21	13.3	60	26.3	14	0.2	705	28	24.3	<0.2	71
394	VGS- 116	<1	0.48	30.8	77	69.2	17	0.25	944	51	78.2	0.5	207
395	VGS- 117	<1	0.2	3.9	303	59.1	11	1.99	1026	84	14.2	<0.2	128
396	VGS- 118	<1	0.29	5.9	180	94.6	13	1.01	1082	71	16.1	<0.2	89
397	VGS- 119	<1	0.04	2.3	86	13.5	12	0.57	1219	30	14	<0.2	78
398	VGS- 120	<1	0.28	6.6	49	17.2	11	0.41	1639	16	17.5	0.6	88
399	VGS- 121	<1	0.58	6	74	31.9	22	0.59	3116	27	24.8	<0.2	142
400	VGS- 122	<1	0.2	5.4	36	14.2	13	0.29	1369	13	14.3	0.8	77
401	VGS- 123	<1	0.25	8.3	132	19.2	13	0.58	1724	27	18.9	<0.2	97
402	VGS- 124	<1	0.11	8.6	138	23	11	1.12	974	51	14.7	0.3	91
403	VGS- 125	<1	0.28	8.2	37	19.4	15	0.36	1373	15	15.9	<0.2	100
404	VGS- 126	<1	0.3	4	83	15.6	12	0.67	1186	29	11.6	<0.2	88
405	VGS- 127	<1	0.09	7.2	80	13.1	<10	0.62	910	28	14.6	<0.2	70
406	VGS- 128	<1	0.2	9.2	48	9.7	<10	0.24	1010	10	15.7	0.7	102
407	VGS- 129	<1	0.65	7.1	77	26.1	<10	0.68	1340	36	18.5	1.4	106
408	VGS- 130	<1	0.21	4.9	80	15.6	<10	0.67	1170	28	10.5	<0.2	82
409	VGS- 131	<1	0.07	10.1	273	9.4	25	0.46	348	32	5.2	<0.2	36
410	VGS- 132	<1	0.08	11.5	52	11.4	<10	0.18	470	27	17.2	0.2	71
411	VGS- 133	<1	0.06	4.3	235	14.4	16	0.59	359	59	3.5	<0.2	37
412	VGS- 134	<1	<0.02	4.7	30	8.5	<10	0.26	286	18	10.9	0.3	45
413	VGS- 135	<1	0.02	9.2	65	13.6	15	0.28	473	24	17.7	<0.2	60
414	VGS- 136	<1	0.03	3.2	24	6.8	<10	0.16	245	14	9.3	<0.2	39
415	VGS- 137	2	<0.02	2.6	28	7.7	<10	0.22	208	17	9.8	<0.2	45
416	VGS- 138	<1	0.02	6.8	36	9	<10	0.2	300	17	11.7	0.4	43
417	VGS- 139	3	<0.02	7.3	57	10.3	13	0.29	354	18	13.5	<0.2	45
418	VGS- 140	<1	0.04	2	63	5.1	<10	0.29	222	13	3.8	<0.2	23
419	VGS- 141	<1	0.23	8.1	103	16.3	24	0.4	559	32	17.9	<0.2	74
420	VGS- 142	<1	0.05	3.7	50	11.3	12	0.22	288	22	15.2	1	55
421	VGS- 143	<1	0.05	6	78	13.8	81	0.48	404	29	17.3	<0.2	64
422	VGS- 144	<1	0.14	5.5	62	14.2	25	0.28	346	25	19.2	0.4	63
423	VGS- 145	<1	0.25	6.7	156	20.2	22	0.45	712	38	36.6	0.3	62
424	VGS- 146	2	0.79	0.5	61	148.4	42	0.85	3321	31	18.1	<0.2	145
425	VGS- 147	<1	0.06	3.5	170	10.9	22	0.62	301	45	8.7	0.2	45
426	VGS- 148	1	0.04	6.7	59	16.7	66	0.52	412	30	20.2	0.4	77
427	VGS- 149	<1	0.05	2.9	125	14.6	229	0.64	363	35	14.1	<0.2	60
428	VGS- 150	<1	0.19	6.6	91	17.1	19	0.35	418	36	15.3	<0.2	65
429	VGS- 151	1	0.04	8	105	22.5	803	0.65	569	41	20.1	0.3	71
430	VGS- 152	<1	<0.02	3.7	36	9.2	248	0.18	205	15	8.9	0.2	32
431	VGS- 153	<1	<0.02	5	629	23	35	1.11	598	139	15	<0.2	66
432	VGS- 154	<1	<0.02	4.2	25	10.1	285	0.31	322	15	13.5	<0.2	35
433	VGS- 155	<1	<0.02	4.8	471	30.5	265	1.14	604	77	16.4	<0.2	78
434	VGS- 156	4	<0.02	3.4	1328	74.5	59	3.08	1060	247	11.7	0.3	108
435	VGS- 157	1	<0.02	2.4	353	36	30	1.23	723	84	16.4	<0.2	54
436	VGS- 158	2	0.03	1.4	1286	62.7	15	2.74	924	213	18	0.3	95
437	VGS- 159	3	0.38	0.6	616	42.9	33	2.26	1492	111	18.7	<0.2	90
438	VGS- 160	1	0.16	3.3	233	43.4	36	2.04	1066	75	13.8	0.2	80
439	VGS- 161	6	0.41	1.8	143	165.9	86	1.4	2472	58	18.6	<0.2	120
440	VGS- 162	<1	0.13	0.4	320	54	43	2.39	901	89	11.3	<0.2	84
441	VGS- 163	7	0.14	3.6	622	35.1	266	1.85	1194	161	14.3	0.9	62
442	VGS- 164	2	0.2	1.5	799	49.1	24	2.54	1388	152	48.9	0.8	78
443	VGS- 165	3	0.1	5.2	845	58.9	23	2.87	1533	253	14.1	<0.2	98
444	VGS- 166	1	<0.02	5.9	1961	87.2	34	4.52	1624	563	12.2	1.8	93
445	VGS- 167	32	0.05	2.5	1572	79.3	91	5.55	1645	520	11.7	<0.2	106
446	VGS- 168	2	0.11	2.4	955	58.9	26	3.31	1570	206	12.2	<0.2	89
447	VGS- 169	2	<0.02	2.6	1301	63	22	4.79	1285	355	10.4	<0.2	95
448	VGS- 170	<1	<0.02	1.1	295	14.3	18	0.78	430	52	7.4	<0.2	37
449	VGS- 171	1	0.04	2.7	1503	76.6	48	3.91	1307	286	9.8	<0.2	108
450	VGS- 172	3	0.28	1.7	492	68.9	39	2.6	1730	110	15.7	<0.2	85
451	VGS- 173	<1	<0.02	3.7	1785	72.9	63	4.6	1327	340	10.5	<0.2	123
452	VGS- 174	1	<0.02	4.1	1602	58.9	15	2.95	1490	195	11.6	<0.2	97
453	VGS- 175	<1	0.39	4.1	236	63.2	35	1.02	2139	43	17.9	<0.2	71
454	VGS- 176	<1	0.93	7	333	81	41	1.24	3222	60	18.5	<0.2	86
455	VGS- 177	<1	<0.02	1.3	148	21.6	247	1.73	1034	48	12.8	<0.2	67
456	VGS- 178	<1	0.4	2.5	211	61.8	19	1.83	1716	57	14.5	<0.2	74
457	VGS- 179	<1	0.07	1.3	270	20.9	34	1.26	891	46	15.6	0.6	52
458	VGS- 180	<1	0.87	<0.2	114	108.3	27	0.95	3258	35	14.9	<0.2	108
459	VGS- 181	1	0.68	1.4	271	113.6	94	1.11	3617	57	24	<0.2	95
460	VGS- 182	<1	0.44	3.6	237	67	53	2.04	2057	61	15.5	<0.2	84
461	VGS- 183	<1	0.17	1.6	314	30.1	230	2.02	1138	67	16.1	<0.2	78
462	VGS- 184	8	0.78	3.6	247	86.6	75	2.01	2590	59	16.4	<0.2	96
463	VGS- 185	2	0.48	3.1	263	68.2	28	2.02	2428	59	15.7	<0.2	89
464	VGS- 186	<1	0.05	4.6	587	41.4	23	1.92	1554	80	15.4	<0.2	75
465	VGS- 187	1	0.79	48.3	218	75	244	0.62	1536	73	32.5	0.2	115
466	VGS- 188	<1	0.02	1.5	1021	155.2	37	1.34	1372	226	8.8	0.8	58
467	VGS- 189	<1	0.08	1.6	967	72.7	90	3.06	1475	267	18.6	<0.2	81
468	VGS- 190	<1	0.08	2.1	580	68.1	20	2.73	1276	182	13.5	<0.2	92

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (7)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
469	VGS- 191	<1	0.05	5.6	393	51.3	173	2.25	1508	122	10.8	<0.2	86
470	VGS- 192	245	0.09	3	755	50.2	166	2.78	1276	190	13.1	0.8	92
471	VGS- 193	<1	0.06	8.1	73	21.6	57	0.86	532	37	22.8	<0.2	83
472	VGS- 194	<1	0.02	12	98	26.7	36	0.69	1036	40	33.8	0.4	87
473	VGS- 195	<1	0.28	10.9	655	68.8	171	1.34	2769	256	34.5	2.1	105
474	VGS- 196	<1	0.13	2.8	198	7.5	11	0.2	220	24	6.2	<0.2	30
475	VGS- 197	<1	<0.02	5	24	7.5	18	0.15	297	17	9.5	0.3	27
476	VGS- 198	<1	0.58	34.9	259	59.3	134	0.77	1432	65	19.8	<0.2	103
477	VGS- 199	<1	0.28	13.1	363	23.3	145	0.73	434	54	11.8	<0.2	54
478	VGS- 200	<1	0.37	9.6	64	20	43	0.4	609	30	22.3	1.4	65
479	VGS- 201	<1	0.13	9.4	57	15.6	63	0.35	577	24	25.4	0.8	53
480	VGS- 202	<1	0.18	12.2	76	18.1	47	0.61	2278	31	25.6	<0.2	63
481	VGS- 203	<1	0.31	11.3	51	14	26	0.45	615	23	20.8	0.4	56
482	VGS- 204	<1	0.22	12.7	61	19.5	72	0.34	693	22	25	0.3	48
483	VGS- 205	<1	0.19	13.2	63	35	28	0.71	1117	35	27.5	1.6	80
484	VGS- 206	<1	0.2	6.7	252	362.4	21	1.2	2040	45	23.7	<0.2	92
485	VGS- 207	<1	0.11	7.2	170	16.9	14	0.6	1002	24	38.5	2.3	126
486	UNS- 1	<1	0.21	4.9	39	9.7	33	0.11	254	12	9.1	<0.2	24
487	UNS- 2	<1	0.57	5.5	65	11.3	197	0.14	422	16	14.5	<0.2	34
488	UNS- 3	<1	0.2	6.5	34	9.4	47	0.16	320	14	14.4	<0.2	28
489	UNS- 4	1	0.27	5.2	408	30.5	49	0.18	341	101	14.3	<0.2	27
490	UNS- 5	<1	0.2	4.8	38	9.2	12	0.11	200	14	10.5	1.1	25
491	UNS- 6	<1	0.11	3.5	44	10.8	19	0.32	213	23	10.9	<0.2	29
492	UNS- 7	<1	0.09	4	27	6	12	0.07	116	8	7.3	<0.2	25
493	UNS- 8	<1	0.22	6.1	39	12.1	11	0.18	517	17	13.7	0.7	33
494	UNS- 9	47	0.16	6.7	37	12.3	11	0.17	417	17	13.9	0.2	32
495	UNS- 10	<1	0.3	6.5	41	12.8	<10	0.21	431	19	14.4	<0.2	34
496	UNS- 11	<1	0.19	4.9	33	9.3	<10	0.13	374	14	14.7	<0.2	30
497	UNS- 12	<1	0.25	5.5	84	20.5	13	0.41	655	34	13.3	0.3	39
498	UNS- 13	<1	0.19	4.9	23	10.1	<10	0.05	251	8	12.3	<0.2	18
499	UNS- 14	<1	0.19	3.9	36	13.9	<10	0.1	164	10	7.6	0.4	19
500	UNS- 15	<1	0.12	4.5	35	8.1	<10	0.07	262	8	7.8	<0.2	20
501	UNS- 16	<1	0.1	5.4	51	15.7	14	0.36	434	23	21.1	0.2	46
502	UNS- 17	<1	0.12	4.1	59	13.9	<10	0.38	300	22	17.5	<0.2	50
503	UNS- 18	<1	0.18	0.3	19	8.5	<10	0.06	205	11	7	<0.2	21
504	UNS- 19	<1	0.15	2	31	8.4	<10	0.11	143	11	9.5	<0.2	24
505	UNS- 20	<1	<0.02	4.5	31	9.3	<10	0.09	174	12	10.5	0.5	27
506	UNS- 21	<1	0.22	12.2	64	19.3	22	0.49	1652	35	35.2	0.5	65
507	UNS- 22	<1	0.11	11.3	69	20.4	21	0.49	690	32	35.9	0.2	81
508	UNS- 23	<1	0.09	5.3	38	10.1	<10	0.13	352	13	14.3	<0.2	33
509	UNS- 24	<1	0.2	7.3	37	8.9	<10	0.15	352	14	15.9	0.3	44
510	UNS- 25	<1	0.23	4.8	34	8.2	<10	0.15	180	12	15.6	<0.2	41
511	UNS- 26	<1	0.2	5.8	46	11.1	19	0.27	313	19	15.1	<0.2	47
512	UNS- 27	<1	0.22	3.8	39	9.4	<10	0.15	222	13	13.1	0.6	34
513	UNS- 28	<1	0.33	14.4	53	16.1	29	0.17	317	20	34.7	1.1	79
514	UNS- 29	<1	0.31	12.5	78	24.4	16	0.44	947	35	34.9	0.3	75
515	UNS- 30	<1	0.64	69.2	98	38.8	18	0.59	1946	69	119.8	5.6	252
516	UNS- 31	<1	0.32	9.1	99	16.5	43	0.26	395	27	15.7	<0.2	53
517	UNS- 32	<1	0.56	20.5	64	11.8	<10	0.06	438	23	71.5	1.6	209
518	UNS- 33	<1	0.41	6.2	47	9.6	13	0.05	299	10	19.9	0.7	36
519	UNS- 34	<1	0.16	17	72	25.6	18	0.65	839	38	33.5	1	79
520	UNS- 35	<1	0.29	14.8	66	23.3	15	0.49	1032	34	40	1.1	71
521	UNS- 36	<1	0.23	7.6	94	11.8	13	0.19	883	17	24	2	54
522	UNS- 37	<1	0.32	8.6	69	18.2	22	0.53	739	31	25.9	0.8	67
523	UNS- 38	<1	0.26	1	46	9.3	<10	0.11	88	9	7.4	0.4	15
524	UNS- 39	<1	0.13	4.8	44	14.4	23	0.25	419	19	13.2	<0.2	38
525	UNS- 40	<1	0.35	3.4	68	14.4	13	0.14	372	16	14.1	<0.2	40
526	UNS- 41	<1	0.12	4.5	52	9.8	12	0.16	305	16	12	<0.2	39
527	UNS- 42	<1	0.04	2.4	32	5.8	11	0.09	223	11	9.1	<0.2	28
528	UNS- 43	<1	0.27	13.7	60	14	41	0.23	727	24	28.7	0.3	53
529	UNS- 44	<1	0.16	1.8	45	8.1	18	0.09	168	11	19.4	0.3	30
530	UNS- 45	<1	0.31	9.1	110	21.9	18	0.42	463	32	20.1	0.7	59
531	UNS- 46	<1	0.34	5.6	115	18.9	13	0.26	422	31	12.1	0.2	53
532	UNS- 47	1	0.02	14	95	27.5	13	0.44	574	47	19.7	0.3	138
533	UNS- 48	<1	0.22	9.6	109	15	<10	0.18	360	28	15.1	<0.2	49
534	UNS- 49	<1	<0.02	2.2	78	11.4	12	0.14	221	20	8.3	<0.2	24
535	UNS- 50	<1	0.17	8.6	88	11.6	<10	0.1	302	25	17.2	<0.2	42
536	UNS- 51	<1	0.2	10.3	112	16.5	<10	0.19	395	23	11.6	<0.2	44
537	UNS- 52	<1	0.23	4.9	24	6.9	<10	0.09	227	11	11.4	<0.2	30
538	UNS- 53	<1	0.05	0.9	10	2	<10	0.05	135	5	8.9	<0.2	12
539	UNS- 54	<1	0.23	5	23	7.7	<10	0.15	345	13	13.5	<0.2	26
540	UNS- 55	<1	0.08	8.7	49	9.2	22	0.17	485	16	15.5	<0.2	37
541	UNS- 56	<1	<0.02	2.8	43	8	<10	0.15	316	19	11.5	<0.2	28
542	UNS- 57	<1	0.1	0.6	490	6.5	<10	0.1	294	113	17.1	<0.2	23
543	UNS- 58	<1	0.18	7.6	61	16.3	17	0.24	666	28	19.6	<0.2	38
544	UNS- 59	<1	0.04	2.1	29	7.8	<10	0.11	256	11	13.6	<0.2	25
545	UNS- 60	<1	0.46	4.2	32	13.1	<10	0.14	377	15	16.1	0.3	36
546	UNS- 61	<1	0.26	1.4	46	8.8	13	0.08	335	15	11.1	0.4	25

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (8)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
547	VNS- 62	<1	0.18	3.6	53	11.8	14	0.1	484	17	16.2	1	30
548	VNS- 63	<1	0.19	1.6	63	15.2	<10	0.14	404	39	17.8	<0.2	38
549	VNS- 64	<1	0.1	6.1	146	21.4	14	1.26	991	57	21.4	0.4	63
550	VNS- 65	<1	0.18	5.2	198	32.8	11	0.69	577	114	13.4	<0.2	68
551	VNS- 66	<1	0.14	4.3	122	31.1	11	1.62	782	53	17.2	0.2	46
552	VNS- 67	<1	0.18	2.8	221	30.7	13	0.86	712	54	12.6	<0.2	60
553	VNS- 68	<1	0.2	5.2	190	40.3	13	0.46	652	43	13.3	0.5	59
554	VNS- 69	<1	0.1	1.4	206	24.6	<10	0.31	541	37	9.9	<0.2	36
555	VNS- 70	<1	0.11	0.2	254	37.6	24	0.58	816	75	26.5	<0.2	72
556	VNS- 71	<1	0.15	1.2	242	34	13	0.79	705	63	11.8	0.4	67
557	VNS- 72	<1	0.21	2.9	191	38.6	13	0.71	962	54	17.1	<0.2	71
558	VNS- 73	<1	0.06	5.4	184	39.8	15	0.58	957	54	21.9	<0.2	76
559	VNS- 74	<1	<0.02	0.9	182	22	<10	0.68	1064	29	33.1	0.5	107
560	VNS- 75	<1	0.25	5.3	212	36.7	15	1.65	1208	70	13.8	0.6	121
561	VNS- 76	<1	0.07	0.9	165	23.5	12	0.66	1477	28	31.2	0.4	106
562	VNS- 77	<1	<0.02	6.6	142	21.2	15	0.53	1620	31	46.9	0.6	116
563	VNS- 78	<1	0.28	16.4	239	149.4	13	0.84	2280	88	22.8	<0.2	139
564	VNS- 79	<1	0.18	4.6	85	28.6	14	0.6	2193	22	39.9	0.2	130
565	VNS- 80	<1	0.03	3.1	148	22.2	16	0.56	963	30	25	1.2	111
566	VNS- 81	<1	<0.02	2.9	181	20.8	<10	0.65	1528	27	34.8	<0.2	107
567	VNS- 82	<1	0.09	0.7	37	8.4	23	0.05	1241	7	105.4	3.3	340
568	VNS- 83	<1	<0.02	2.3	213	26.9	12	0.72	1799	35	27.4	<0.2	101
569	VNS- 84	<1	<0.02	1.5	89	13	<10	0.62	1685	16	43.1	2	139
570	VNS- 85	<1	0.24	4.2	86	17.5	<10	0.49	2036	16	39.9	<0.2	162
571	VNS- 86	<1	<0.02	2.9	79	12.6	<10	1.23	1493	21	29.4	<0.2	158
572	VNS- 87	<1	<0.02	<0.2	235	29.2	<10	0.78	1754	39	20.5	0.4	80
573	VNS- 88	<1	<0.02	0.7	184	25.7	<10	0.61	1764	33	18.6	<0.2	61
574	VNS- 89	<1	0.03	1.8	238	31.8	12	0.83	1956	42	24.3	<0.2	86
575	VNS- 90	<1	0.13	<0.2	1768	87.1	<10	3.75	1465	250	13.7	<0.2	177
576	VNS- 91	<1	<0.02	<0.2	1478	79.9	12	3.81	1368	205	14.1	<0.2	156
577	VNS- 92	<1	0.06	0.9	181	22	11	0.92	663	45	17.7	<0.2	66
578	VNS- 93	4	0.02	2.1	580	45.4	14	2.33	904	136	14.2	<0.2	103
579	VNS- 94	<1	0.03	4.6	166	24.7	<10	1.27	856	32	11	<0.2	67
580	VNS- 95	<1	0.12	5.6	337	25	<10	1.37	606	91	15.3	<0.2	73
581	VNS- 96	<1	0.07	1.7	1107	34.1	11	2.91	1144	95	15.8	<0.2	131
582	VNS- 97	<1	0.27	<0.2	52	16.3	<10	0.25	356	27	11	<0.2	33
583	VNS- 98	<1	0.22	13.3	311	27.4	18	1.39	547	104	15.9	<0.2	87
584	VNS- 99	<1	0.21	<0.2	117	8.3	32	0.36	589	32	11.7	<0.2	33
585	VNS- 100	<1	0.15	13.9	135	18.9	40	0.58	888	57	19.7	<0.2	53
586	VNS- 101	<1	0.23	0.7	76	13.4	12	0.37	754	30	14	<0.2	39
587	VNS- 102	<1	0.1	8	621	24.6	19	1.2	525	220	32.3	<0.2	75
588	VNS- 103	<1	0.4	2.7	891	5.4	<10	0.7	914	93	13.4	<0.2	47
589	VNS- 104	<1	<0.02	2.1	135	7.7	20	1.7	340	30	8.2	<0.2	59
590	VNS- 105	<1	<0.02	0.6	19	3.3	<10	0.09	95	10	3.1	<0.2	15
591	VNS- 106	<1	0.23	<0.2	194	4.7	<10	0.4	356	37	6.1	<0.2	30
592	VNS- 107	<1	0.44	0.3	2061	19.7	11	3.39	1880	269	8.6	<0.2	89
593	VNS- 108	<1	0.02	2.7	35	6.8	11	0.13	257	14	9.9	<0.2	29
594	VNS- 109	<1	<0.02	0.6	21	5.4	<10	0.11	189	11	7.9	<0.2	22
595	VNS- 110	<1	0.15	2	29	6.4	<10	0.1	325	16	10.4	<0.2	27
596	VNS- 111	<1	0.04	<0.2	25	3.9	<10	0.09	188	10	6.6	<0.2	19
597	VNS- 112	<1	0.13	21.6	97	25.8	12	0.79	880	34	26.8	1.4	128
598	VNS- 113	<1	0.19	1.4	404	30.3	11	1.3	1458	86	32.9	<0.2	117
599	VNS- 114	<1	0.26	<0.2	529	112	<10	2.6	1351	136	16.9	<0.2	99
600	VNS- 115	1	0.26	12.4	296	82.2	20	2.16	1087	111	25.8	0.4	110
601	VNS- 116	<1	0.12	8.6	301	60.2	<10	2.85	863	72	31.8	0.9	94
602	VNS- 117	<1	0.17	4.3	260	11.6	13	0.79	462	49	17.7	0.4	63
603	VNS- 118	<1	0.37	2.4	41	6	<10	0.09	206	9	7.5	<0.2	25
604	VNS- 119	<1	0.2	9.8	25	3.6	<10	0.07	116	6	5	<0.2	19
605	VNS- 120	<1	0.13	4.6	55	8.2	<10	0.07	371	14	15	<0.2	32
606	VNS- 121	<1	0.3	3.8	26	11.6	11	0.22	1105	6	16.5	1.5	63
607	VNS- 122	<1	0.42	4.1	113	25.8	<10	0.78	1022	30	14.8	0.7	66
608	VNS- 123	<1	0.49	11.2	344	29.2	<10	1.3	1935	58	23.8	0.7	102
609	VNS- 124	<1	0.28	8.9	97	35.8	14	0.91	1350	31	25.4	2.4	110
610	VNS- 125	<1	0.82	10	337	64.3	11	1.63	2795	96	21.3	0.2	115
611	VNS- 126	<1	0.02	3.1	15	2.7	<10	0.11	143	4	4.3	<0.2	13
612	VNS- 127	<1	0.24	3.7	201	10.6	<10	0.34	510	31	12.1	0.5	37
613	VNS- 128	<1	0.29	6.2	1620	41.4	<10	3.39	2350	230	24.3	0.2	120
614	VNS- 129	<1	0.24	6.1	19	10.4	13	0.2	891	4	13.3	<0.2	52
615	VNS- 130	1	0.47	4.2	73	114.4	10	1.13	2576	34	15.3	<0.2	101
616	VNS- 131	1	0.51	6.3	50	90.4	<10	0.68	2664	24	19.5	0.8	94
617	VNS- 132	<1	0.36	3.3	72	14.5	11	0.54	1222	13	12	0.9	79
618	VNS- 133	<1	0.42	10.1	66	12.3	<10	0.38	777	14	54	1.7	76
619	VNS- 134	<1	0.17	13.4	85	19.3	<10	0.37	681	18	18.4	1.5	73
620	VNS- 135	<1	0.02	5	90	25.4	<10	0.47	1063	21	12.6	<0.2	91
621	VNS- 136	<1	0.28	3.9	141	49.9	<10	0.67	2266	21	19.9	<0.2	88
622	VNS- 137	<1	0.76	3.3	38	54.4	<10	0.51	1898	13	16.1	<0.2	78
623	VNS- 138	5	0.87	3.6	78	34.6	<10	0.48	2828	16	14.4	<0.2	78
624	VNS- 139	2	0.48	2.1	92	70.4	<10	0.66	1928	39	17.6	<0.2	82

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (9)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
625	UNS- 140	1	0.47	1.8	72	35.9	<10	0.46	2103	18	15.2	<0.2	64
626	UNS- 141	1	0.66	1.2	82	87.2	13	0.93	1846	31	18.7	<0.2	111
627	UNS- 142	<1	0.59	2.7	52	71	10	0.62	1647	23	15.3	<0.2	81
628	UNS- 143	<1	0.98	3.9	84	43.3	<10	0.51	763	24	13.5	2.7	56
629	UNS- 144	<1	0.19	5.1	241	16.3	10	0.81	613	45	8.8	<0.2	51
630	UNS- 145	<1	<0.02	2.4	266	29.5	12	1.66	707	79	10	0.8	69
631	UNS- 146	<1	0.13	4.1	333	17.7	<10	0.9	406	57	9.7	0.5	51
632	UNS- 147	<1	0.19	7	37	8.4	<10	0.16	210	13	9.3	0.6	31
633	UNS- 148	<1	0.16	3.1	33	6.4	<10	0.12	258	12	9.6	<0.2	28
634	UNS- 149	<1	0.17	8.4	77	16.3	<10	0.37	350	28	23.4	<0.2	64
635	UNS- 150	<1	0.1	7.8	82	18.7	15	0.39	592	29	16.4	0.3	61
636	UNS- 151	<1	0.19	7.4	96	16.3	16	0.47	488	26	21.5	<0.2	60
637	UNS- 152	<1	0.19	8.3	111	17.5	14	0.47	549	27	17.6	<0.2	57
638	UNS- 153	<1	0.26	4.8	77	11.6	13	0.49	383	19	11.2	<0.2	41
639	UNS- 154	<1	0.2	7.7	120	19.2	18	0.6	616	39	20.3	<0.2	70
640	UNS- 155	<1	0.15	8.1	434	12.3	12	0.54	275	28	7	0.4	37
641	UNS- 156	<1	0.42	6.1	156	43.5	16	0.86	2034	63	19	1	89
642	UNS- 157	<1	0.21	4.8	102	15	<10	0.42	361	17	7.9	<0.2	34
643	UNS- 158	<1	0.21	3.5	84	12.1	11	0.36	429	21	9.7	<0.2	40
644	UNS- 159	<1	0.18	8.6	92	23.3	15	0.48	801	32	25.2	0.8	70
645	UNS- 160	<1	0.26	6.3	104	18	<10	0.9	586	30	10.9	<0.2	61
646	UNS- 161	<1	0.5	3.3	209	16	<10	0.3	416	19	6.4	0.8	35
647	UNS- 162	<1	0.19	3.2	207	19.7	<10	0.3	531	24	10.2	<0.2	43
648	UNS- 163	<1	0.23	6.7	155	20	<10	0.48	664	24	15.1	0.9	66
649	UNS- 164	<1	0.24	5.8	371	20.4	12	0.33	549	96	13.7	<0.2	51
650	UNS- 165	1	0.44	20.2	215	38.2	28	0.26	887	48	12.1	0.6	55
651	UNS- 166	<1	0.33	10.9	218	25.3	16	0.17	417	36	8.9	0.8	42
652	UNS- 167	<1	0.24	4.8	139	17.8	<10	0.36	485	25	5.9	0.8	38
653	UNS- 168	<1	0.34	16.3	392	28.3	14	0.25	636	42	12.3	1	55
654	UNS- 169	<1	0.38	9.6	214	19.2	<10	0.2	357	28	10.9	1.1	38
655	UNS- 170	<1	0.27	4.4	201	28.5	<10	0.33	449	21	10	0.5	39
656	UNS- 171	<1	0.28	8	492	22.1	13	0.26	627	29	13.1	1	49
657	UNS- 172	<1	0.34	6.4	402	24	<10	0.3	506	32	11.6	0.4	53
658	UNS- 173	<1	0.19	4.6	54	10.7	<10	0.11	273	13	9.4	<0.2	33
659	UNS- 174	<1	0.28	3.5	47	10.3	12	0.44	306	25	11.8	<0.2	46
660	UNS- 175	<1	0.07	10	58	14	17	0.39	440	23	17.7	<0.2	57
661	UNS- 176	<1	0.11	5.2	83	13.5	16	0.33	327	23	8.8	0.5	43
662	UNS- 177	<1	0.12	8.3	57	16	10	0.33	378	22	19.3	0.5	65
663	UNS- 178	<1	1.15	3.5	67	11.3	<10	0.25	339	18	10.5	<0.2	38
664	UNS- 179	<1	0.24	12	80	21.3	22	0.78	734	36	29	0.3	90
665	UNS- 180	<1	0.03	1.2	12	3.1	<10	0.01	70	4	1.1	<0.2	12
666	UNS- 181	<1	0.16	7	65	13.5	11	0.64	491	24	15.2	0.8	63
667	UNS- 182	<1	0.06	0.8	1184	25.9	<10	2.35	1208	126	14.4	<0.2	120
668	UNS- 183	<1	0.11	4.7	1374	38.3	10	2.94	1201	160	30.7	<0.2	142
669	UNS- 184	<1	0.39	2.6	1341	65.7	<10	3.97	2156	244	14.7	<0.2	234
670	UNS- 185	<1	0.16	1.8	1833	25.5	16	2.67	1077	151	13.1	<0.2	159
671	UNS- 186	<1	1.24	2	1645	34	<10	5.65	1874	323	14.3	<0.2	228
672	UNS- 187	<1	0.66	3.9	360	85.2	10	2.65	2344	121	41.7	<0.2	169
673	UNS- 188	<1	0.25	3	1565	28.5	10	2.75	1224	153	13.1	<0.2	163
674	UNS- 189	<1	0.5	5	794	37.7	11	2.91	1690	118	16	<0.2	175
675	UNS- 190	<1	0.18	3.1	1375	20.6	15	3.01	1273	131	15.4	<0.2	156
676	UNS- 191	113	0.2	3	1535	32.7	<10	2.77	1263	154	14.8	<0.2	162
677	UNS- 192	<1	0.46	2.1	1314	45.7	17	4.4	1861	207	22	<0.2	183
678	UNS- 193	<1	0.17	4	1070	30.6	<10	2.89	1129	145	15	0.5	131
679	UNS- 194	1	0.09	15.9	80	48.3	12	0.52	855	56	18.5	0.3	140
680	UNS- 195	<1	0.12	2.8	483	38.2	11	2.73	940	78	12.8	<0.2	99
681	UNS- 196	<1	0.09	5.3	311	40.5	11	0.72	682	69	11.1	0.2	48
682	UNS- 197	<1	0.09	2.1	550	44.1	14	1.58	1144	73	13	<0.2	79
683	UNS- 198	<1	0.21	1.6	441	42.8	17	2.21	1201	72	14.7	<0.2	114
684	UNS- 199	<1	0.08	4.8	650	44.3	13	3.4	1377	77	12.1	<0.2	116
685	USS- 1	1	0.77	3	408	10.1	<10	0.98	1985	26	17	<0.2	87
686	USS- 2	<1	1.31	0.5	237	9.3	16	1.06	3420	12	20.3	<0.2	109
687	USS- 3	<1	0.25	1	587	18	11	1.24	1251	45	16.2	<0.2	101
688	USS- 4	<1	<0.02	2.2	716	18.9	<10	1.76	1150	46	29.2	<0.2	58
689	USS- 5	<1	<0.02	0.5	858	38.1	19	1.7	1338	75	20.1	<0.2	164
690	USS- 6	<1	0.06	1.1	1004	32.3	15	1.75	1205	75	18.5	<0.2	134
691	USS- 7	<1	<0.02	<0.2	290	21.3	10	1.05	527	51	19.9	<0.2	84
692	USS- 8	<1	0.3	<0.2	838	25.9	<10	1.73	2388	62	18.8	<0.2	117
693	USS- 9	<1	<0.02	2	643	28.1	11	2.19	2038	52	20.7	<0.2	81
694	USS- 10	<1	0.15	1.3	704	39.7	14	2.09	2214	71	19.7	<0.2	95
695	USS- 11	<1	0.91	<0.2	1336	19.3	17	1.63	4371	108	33.5	<0.2	180
696	USS- 12	<1	<0.02	0.5	340	11	10	1.02	845	28	20.5	<0.2	50
697	USS- 13	1	<0.02	1.2	545	22.9	14	1.86	1605	48	23.1	<0.2	65
698	USS- 14	<1	<0.02	1.1	45	3.1	<10	0.27	136	11	17.5	<0.2	34
699	USS- 15	<1	0.02	<0.2	227	17.8	12	0.78	351	55	17.3	<0.2	55
700	USS- 16	2	0.31	<0.2	734	26.8	14	2.01	1988	80	22.1	<0.2	95
701	USS- 17	<1	<0.02	<0.2	506	35.8	20	1.22	1358	82	14.3	<0.2	84
702	USS- 18	87	0.16	3	877	21.7	12	1.76	2507	75	22.5	<0.2	107

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (10)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
703	USS- 19	<1	<0.02	0.7	999	22	19	2.94	1149	69	16.6	<0.2	125
704	USS- 20	<1	0.13	0.9	66	8.3	<10	0.16	123	10	10.8	<0.2	22
705	USS- 21	<1	0.1	0.4	455	11.4	<10	0.73	573	37	10.9	<0.2	66
706	USS- 22	<1	<0.02	1.5	620	28	16	2.23	1210	78	15.3	<0.2	110
707	USS- 23	<1	<0.02	3.9	646	41.7	16	1.11	586	90	30.3	1	163
708	USS- 24	1	<0.02	5.8	1428	48.6	20	4.47	884	219	25.6	<0.2	174
709	USS- 25	<1	<0.02	2.9	1782	58.2	18	5.02	1001	245	12.9	<0.2	176
710	USS- 26	1	<0.02	2.5	1648	43.5	16	4.16	868	197	17.7	0.7	176
711	USS- 27	<1	<0.02	3	768	26	10	1.95	641	65	12.7	<0.2	107
712	USS- 28	<1	0.04	5.4	154	17.4	<10	0.41	481	30	15	0.7	71
713	USS- 29	<1	0.16	1.4	33	4.2	<10	0.14	156	6	12.8	<0.2	25
714	USS- 30	<1	0.14	1.1	41	5.5	<10	0.2	55	11	9.1	<0.2	27
715	USS- 31	<1	<0.02	1.6	30	11	<10	0.13	85	13	7.3	<0.2	31
716	USS- 32	<1	0.04	2.4	59	17.8	13	0.89	216	21	7.8	<0.2	39
717	USS- 33	<1	<0.02	3	528	31.2	21	0.47	543	59	13.7	<0.2	80
718	USS- 34	2	<0.02	1	38	6.1	<10	0.17	95	9	9.2	<0.2	19
719	USS- 35	2	<0.02	0.8	34	6.4	<10	0.18	50	8	11	<0.2	22
720	USS- 36	<1	<0.02	1.8	47	9.4	<10	0.17	100	13	10.2	<0.2	26
721	USS- 37	<1	<0.02	0.6	40	1.7	<10	0.19	53	12	12.5	<0.2	20
722	USS- 38	<1	<0.02	2.8	174	7.5	<10	0.44	780	15	21.9	<0.2	45
723	USS- 39	<1	<0.02	0.8	124	8.2	<10	0.49	470	17	18	<0.2	46
724	USS- 40	<1	<0.02	<0.2	147	11.1	78	0.66	1555	16	19.5	<0.2	86
725	USS- 41	<1	<0.02	1.7	106	7	12	0.37	553	14	21	<0.2	45
726	USS- 42	<1	<0.02	11	81	15.5	12	0.35	354	20	23	0.5	62
727	USS- 43	<1	<0.02	4.9	51	5.4	<10	0.1	67	7	22.8	0.7	29
728	USS- 44	2	0.05	3.8	42	11.2	11	0.71	1185	9	31.2	1.9	114
729	USS- 45	<1	<0.02	20	88	121.2	<10	0.53	388	136	35	0.5	110
730	USS- 46	<1	0.03	4.6	219	46.4	<10	0.84	344	80	15.1	0.4	79
731	USS- 47	<1	0.07	3.5	282	20.5	<10	0.42	173	53	11.4	<0.2	65
732	USS- 48	<1	<0.02	5.8	59	10.7	<10	0.41	378	17	22.3	0.9	77
733	USS- 49	<1	0.02	3.7	63	11.9	15	0.35	2289	13	70.7	1.5	129
734	USS- 50	1	<0.02	1.3	57	5.3	<10	0.11	142	7	21	0.3	46
735	USS- 51	1	0.08	2	165	8.2	12	0.39	606	15	23	0.6	121
736	USS- 52	5	0.13	3	114	8.8	<10	0.52	880	15	33	<0.2	90
737	USS- 53	3	0.24	5	183	16.6	23	0.72	1617	22	41.3	1.3	151
738	USS- 54	<1	0.81	8.6	225	30.5	11	0.93	1439	48	39.9	1.3	169
739	USS- 55	1	1.08	6.8	168	50.7	49	0.65	2302	57	32.2	<0.2	156
740	USS- 56	<1	1.06	10.2	82	27.6	42	0.31	5120	17	55.7	<0.2	228
741	USS- 57	2	0.06	2.3	94	24.5	14	0.63	2183	21	26	<0.2	83
742	USS- 58	<1	0.21	13.9	107	33.3	17	1.15	2461	29	69.4	2.1	220
743	USS- 59	2	<0.02	2.2	241	9.1	10	0.5	1041	18	41.4	1.6	120
744	USS- 60	2	<0.02	6.7	95	5.8	10	0.33	1746	9	66.3	1	74
745	USS- 61	<1	<0.02	6.8	114	5.7	<10	0.37	1885	8	46.2	<0.2	63
746	USS- 62	<1	0.2	5.9	154	28.6	21	0.7	2522	29	30.8	1.9	101
747	USS- 63	7	0.15	4.1	104	24.4	13	1.04	2805	26	69.7	<0.2	220
748	USS- 64	<1	0.25	5.3	272	29.8	13	0.87	1942	49	31.6	1	108
749	USS- 65	<1	0.72	8.4	186	51.6	37	1.09	3249	50	33.1	<0.2	162
750	USS- 66	<1	0.65	7.2	136	34.3	29	1.45	3039	41	54.5	<0.2	277
751	USS- 67	17	0.29	10.6	83	30.8	10	1	2540	24	62.8	<0.2	253
752	USS- 68	1	0.66	138	85	60.6	23	1.02	2018	39	257.6	1.2	288
753	USS- 69	<1	0.7	7.3	82	34.5	21	1.06	2880	39	46.7	0.4	210
754	USS- 70	<1	0.24	18.2	56	42.3	25	0.65	3164	12	98.6	3.3	298
755	USS- 71	<1	0.03	3.8	117	26.2	13	0.5	3148	16	70.8	1	193
756	USS- 72	<1	0.2	6.6	164	42.8	11	0.81	2090	34	28.3	0.2	120
757	USS- 73	<1	0.3	6.2	145	32.8	28	0.56	2452	25	50.5	1	219
758	USS- 74	<1	0.04	1.1	101	28.8	<10	0.53	3065	14	118.3	2.6	187
759	USS- 75	<1	0.07	<0.2	82	21.4	15	0.25	3662	11	54.8	0.2	241
760	USS- 76	<1	0.09	6	62	30.8	16	0.75	2929	13	47.1	0.9	194
761	USS- 77	<1	0.38	2.8	212	10.9	<10	0.35	425	24	34.2	0.6	78
762	USS- 78	<1	0.02	7.3	616	10.6	<10	0.42	337	30	8.2	<0.2	37
763	USS- 79	<1	<0.02	6.4	372	10.9	12	0.53	379	33	4.8	<0.2	30
764	USS- 80	<1	0.12	3.5	38	7.9	<10	0.12	622	16	10.3	0.7	36
765	USS- 81	<1	0.13	8.9	57	10.9	<10	0.16	640	22	17.7	0.3	51
766	USS- 82	<1	1.17	<0.2	101	42.3	<10	0.52	6490	21	18.9	<0.2	99
767	USS- 83	<1	0.54	0.5	64	125.7	<10	0.99	3333	28	16	<0.2	100
768	USS- 84	<1	0.57	3.5	103	105.3	<10	0.73	3262	36	20.2	<0.2	140
769	USS- 85	1	0.86	4.6	157	96.6	<10	0.72	2998	46	19.8	<0.2	134
770	USS- 86	<1	1.07	3	155	95.6	13	0.71	2957	46	20.2	<0.2	132
771	USS- 87	20	0.7	0.7	184	72.4	<10	0.77	2661	38	19.2	<0.2	139
772	USS- 88	2	0.67	2.8	114	92.2	<10	0.74	2506	39	19.8	<0.2	131
773	USS- 89	<1	0.09	3.4	111	10.2	<10	0.45	497	20	10.4	<0.2	44
774	USS- 90	<1	0.35	<0.2	83	4.6	<10	0.3	2094	16	14.4	<0.2	75
775	USS- 91	<1	0.79	1.8	67	3.8	<10	0.44	2410	14	15.4	<0.2	107
776	USS- 92	<1	0.85	0.2	117	6.6	<10	0.37	415	28	10.1	<0.2	43
777	USS- 93	<1	0.09	2	81	4.7	18	0.16	583	16	12.7	<0.2	44
778	USS- 94	<1	0.64	<0.2	445	17.2	<10	0.54	2042	54	12.8	<0.2	120
779	USS- 95	<1	0.5	1.3	261	23.3	<10	0.83	1865	45	11.2	<0.2	73
780	USS- 96	<1	0.32	0.4	375	22.4	<10	1.4	1151	69	14.2	<0.2	100

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (11)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
781	VSS- 97	2	0.22	5.5	232	32.7	<10	0.75	837	52	19.3	1.1	84
782	VSS- 98	2	0.54	6.4	342	32.9	<10	0.93	2155	61	18.1	<0.2	104
783	VSS- 99	1	<0.02	4.4	41	8.9	<10	0.23	381	19	10	0.7	43
784	VSS- 100	<1	0.17	2.4	21	5.9	<10	0.08	293	11	7.5	<0.2	25
785	VSS- 101	<1	0.02	13.6	53	12.8	16	0.22	477	30	19.8	0.8	61
786	VSS- 102	<1	0.29	<0.2	170	7.8	<10	0.31	945	22	8.2	<0.2	48
787	VSS- 103	<1	0.07	7.2	64	11.8	18	0.2	332	20	20.2	0.5	49
788	VSS- 104	<1	<0.02	5.6	20	8.2	<10	0.18	256	14	10	<0.2	34
789	VSS- 105	1	<0.02	10.1	49	14.8	26	0.35	430	25	25	0.8	65
790	VSS- 106	<1	0.02	8.5	81	11	14	0.23	481	15	17.7	0.3	38
791	VSS- 107	<1	<0.02	5.6	98	13.4	<10	0.34	565	22	21.6	0.6	51
792	VSS- 108	<1	0.05	9.4	61	22.4	11	0.3	521	24	19.6	<0.2	64
793	VSS- 109	<1	0.33	6.2	67	17.5	11	0.4	410	34	21	<0.2	80
794	VSS- 110	<1	0.48	<0.2	326	15.3	19	0.86	2092	51	16.6	<0.2	110
795	VSS- 111	<1	0.24	1.5	191	19.3	<10	0.81	2452	31	20.9	<0.2	99
796	VSS- 112	<1	0.3	0.8	99	26	<10	0.61	1332	21	15.5	<0.2	79
797	VSS- 113	1	0.62	<0.2	72	126.2	<10	0.78	3753	29	16.1	<0.2	96
798	VSS- 114	2	0.99	<0.2	65	99.6	<10	0.6	3380	17	16.2	<0.2	106
799	VSS- 115	<1	0.73	<0.2	75	133.4	10	0.73	3871	25	17.6	<0.2	125
800	VSS- 116	2	0.64	<0.2	39	93.5	<10	0.67	1720	15	12.3	<0.2	90
801	VSS- 117	3	1.47	<0.2	235	117.7	<10	1.53	3883	54	17.7	<0.2	166
802	VSS- 118	2	0.79	0.5	409	70.3	<10	1.89	2704	68	15.6	<0.2	120
803	VSS- 119	1	0.68	<0.2	436	52.9	<10	1.67	3859	58	16.9	<0.2	114
804	VSS- 120	<1	0.03	1.7	2127	16.4	<10	1.1	819	103	7.8	<0.2	110
805	VSS- 121	<1	0.13	0.7	124	10.8	<10	0.42	253	24	9	<0.2	36
806	VSS- 122	<1	<0.02	<0.2	1738	27.4	<10	2.02	692	156	10.1	<0.2	95
807	VSS- 123	<1	<0.02	0.8	2577	47.7	<10	3.29	1396	217	10.7	0.4	138
808	VSS- 124	<1	<0.02	<0.2	2595	48.2	<10	1.25	1318	101	18.6	1	112
809	VSS- 125	<1	0.58	1.5	734	60.1	<10	1.91	3026	83	15.7	<0.2	103
810	VSS- 126	<1	0.59	<0.2	355	102.7	<10	2.1	2724	73	17.4	<0.2	108
811	VSS- 127	<1	0.89	2.1	368	67.2	<10	1.83	3287	62	20.3	<0.2	101
812	VSS- 128	<1	0.46	1.9	437	70.4	<10	1.89	2374	71	22.9	<0.2	82
813	VSS- 129	1	0.04	11.7	252	33.6	<10	1.77	1011	58	18.2	<0.2	61
814	VSS- 130	<1	2.1	3.1	144	58	<10	0.63	6375	23	16.9	<0.2	111
815	VSS- 131	<1	0.6	<0.2	184	15.8	<10	0.55	2578	24	13.4	<0.2	80
816	VSS- 132	<1	1.18	7	88	154.8	19	0.65	5109	24	21.3	<0.2	134
817	VSS- 133	2	1.27	<0.2	124	101.6	10	0.93	4800	32	18	<0.2	120
818	VSS- 134	<1	0.11	3.2	169	11.6	<10	0.78	467	37	9.2	<0.2	35
819	VSS- 135	<1	<0.02	0.7	1304	47.7	<10	2.75	898	199	18.3	<0.2	114
820	VSS- 136	<1	<0.02	32	1327	76.3	14	3.83	922	373	63.2	19.2	135
821	VSS- 137	<1	<0.02	0.8	1714	79.7	10	5.16	1229	460	13.2	<0.2	117
822	VSS- 138	140	<0.02	1.7	997	82.3	<10	2.89	701	318	19.1	0.5	79
823	VSS- 139	2	0.19	21.3	941	156.7	19	1.21	1169	264	27.7	0.8	89
824	VSS- 140	5	<0.02	0.3	103	12.5	<10	0.42	320	37	8.9	<0.2	27
825	VSS- 141	2	0.46	0.5	151	102.8	<10	0.82	3077	27	20.8	0.3	85
826	VSS- 142	<1	0.12	13.6	57	11.5	13	0.19	578	22	25.8	0.6	58
827	VSS- 143	<1	<0.02	1.1	29	4.1	<10	0.04	227	9	8.6	<0.2	38
828	VSS- 144	<1	0.04	9.7	28	6.5	<10	0.07	393	15	14.7	<0.2	31
829	VSS- 145	<1	0.08	11.7	14	3	<10	0.01	162	8	7	<0.2	19
830	VSS- 146	<1	<0.02	2.9	37	4	<10	0.03	94	10	6.8	<0.2	19
831	VSS- 147	<1	0.02	7.5	36	6.1	<10	0.05	452	16	19.4	0.6	38
832	VSS- 148	2	<0.02	25.6	68	26.3	12	0.21	467	37	16.8	1.3	49
833	VSS- 149	1	<0.02	81.2	74	17	<10	0.06	462	29	13.9	1	60
834	VSS- 150	<1	0.07	86.1	94	21.1	18	0.31	632	30	13	0.6	51
835	VSS- 151	<1	<0.02	71.3	23	0.7	<10	0.19	58	5	0.5	<0.2	8
836	VSS- 152	<1	<0.02	26.9	69	20.6	<10	0.19	253	36	11.4	0.4	42
837	VSS- 153	<1	<0.02	87.1	95	16.5	17	0.17	611	32	13	1.1	56
838	VSS- 154	<1	0.24	10.6	66	14.1	12	0.13	292	20	9	<0.2	38
839	VSS- 155	1	<0.02	57.6	155	32.5	21	0.27	529	61	14	1.1	53
840	VSS- 156	<1	<0.02	30.7	142	14.1	45	0.07	561	24	15.9	1.1	43
841	VTS- 1	<1	0.24	13.6	378	41	33	0.44	1223	93	27.5	0.9	85
842	VTS- 2	<1	0.45	14.7	479	51.7	34	0.27	1793	110	56	1.2	94
843	VTS- 3	1	0.13	8.2	419	31.7	25	0.6	871	91	19.1	0.3	77
844	VTS- 4	<1	0.2	10.8	107	16.2	15	0.3	558	35	19.7	<0.2	54
845	VTS- 5	<1	0.03	<0.2	32	5.8	18	0.07	186	9	5.7	<0.2	21
846	VTS- 6	<1	0.12	2.6	38	8.9	14	0.15	244	15	10.7	<0.2	36
847	VTS- 7	<1	<0.02	3.4	46	9.1	17	0.18	226	18	11.7	0.3	39
848	VTS- 8	<1	0.06	<0.2	33	8.2	15	0.12	193	11	8.6	<0.2	25
849	VTS- 9	<1	0.09	1	42	9.9	20	0.19	271	15	11	<0.2	35
850	VTS- 10	<1	0.18	5.4	45	10.7	23	0.25	268	24	12.6	<0.2	46
851	VTS- 11	<1	0.1	5.2	118	18.2	29	0.29	560	28	20.7	<0.2	58
852	VTS- 12	<1	<0.02	5	67	14	22	0.33	439	25	16.1	<0.2	42
853	VTS- 13	<1	0.11	4.6	53	12.5	19	0.35	341	23	17.3	0.2	51
854	VTS- 14	<1	0.13	7.6	108	18.7	26	0.27	489	24	18.8	<0.2	52
855	VTS- 15	<1	0.04	4.3	45	11	16	0.3	278	19	15.3	<0.2	47
856	VTS- 16	<1	0.24	4.3	41	12	104	0.22	482	19	13	<0.2	39
857	VTS- 17	<1	0.09	5.7	68	13.6	90	0.22	377	21	18.6	<0.2	47
858	VTS- 18	<1	0.05	6.1	62	14.4	24	0.33	413	24	20.7	0.6	53

6. Assay Results on Stream Sediment Geochemical Samples in the Van Yen Area (12)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
859	VTS- 19	<1	0.09	2.7	87	12.8	18	0.08	319	22	9.5	<0.2	31
860	VTS- 20	<1	0.21	4.2	140	25.4	37	0.18	628	27	8.8	<0.2	39
861	VTS- 21	<1	0.09	<0.2	573	41.6	38	2.19	1103	136	12.6	<0.2	77
862	VTS- 22	<1	0.14	0.2	904	70	25	2.55	1460	260	20	0.3	101
863	VTS- 23	<1	0.19	<0.2	445	27.5	35	1.98	1753	92	12.6	0.5	73
864	VTS- 24	<1	0.22	2.2	54	11.5	23	0.31	375	17	13.9	0.6	43
865	VTS- 25	<1	0.14	2.7	39	9.6	14	0.14	195	15	10	<0.2	40
866	VTS- 26	5	<0.02	2.3	30	8.8	70	0.12	214	14	10.5	<0.2	31
867	VTS- 27	<1	0.25	3.5	55	21.6	37	0.29	300	31	17	0.4	57
868	VTS- 28	<1	<0.02	4.8	235	67.9	26	0.95	1685	38	23.4	<0.2	81
869	VTS- 29	<1	<0.02	3.9	262	55.1	15	1.64	1344	52	16.5	<0.2	87
870	VTS- 30	3	<0.02	6.5	140	51.2	31	0.29	1219	38	19.1	<0.2	72
871	VTS- 31	<1	<0.02	6.8	170	59.2	26	0.61	1385	41	17	<0.2	85
872	VTS- 32	2	<0.02	4.2	188	36.7	69	1.31	1127	91	16.9	<0.2	92
873	VTS- 33	<1	0.29	21.3	236	28.3	55	0.49	753	72	244.2	3.7	207
874	VTS- 34	<1	0.2	22.7	161	53.5	110	0.54	1032	75	212.7	2.4	191
875	VTS- 35	<1	0.04	11.9	182	26.9	41	0.76	995	60	49.5	<0.2	110
876	VTS- 36	4	<0.02	1.7	201	49	16	1.1	1382	31	17.3	0.3	79
877	VTS- 37	<1	<0.02	19.6	110	14.6	39	0.31	996	40	42.4	3.1	94
878	VTS- 38	<1	<0.02	11.2	261	32.3	37	0.25	858	70	38.1	0.4	82
879	VTS- 39	<1	<0.02	<0.2	254	48.4	25	1.96	1454	60	17.2	<0.2	67
880	VTS- 40	<1	0.06	6.6	144	22	20	0.7	1105	33	31.9	0.9	94
881	VTS- 41	2	<0.02	3.6	184	20.5	28	0.76	454	45	12.6	<0.2	55
882	VTS- 42	<1	0.26	11.8	110	19.4	63	0.71	741	35	34.1	1.6	97
883	VTS- 43	<1	<0.02	5.8	125	46.1	19	0.8	836	65	13.4	<0.2	48
884	VTS- 44	<1	<0.02	5.3	126	28.7	14	0.81	531	49	11.9	<0.2	57
885	VTS- 45	<1	0.02	4.7	171	44.8	79	1.75	1053	84	16.7	0.7	86
886	VTS- 46	<1	<0.02	0.3	99	25.2	20	1.07	921	45	7.5	<0.2	44
887	VTS- 47	<1	<0.02	19.6	146	57.4	16	1.02	872	82	15.7	0.8	56
888	VTS- 48	<1	0.12	6.5	136	17.6	22	0.43	714	37	18.2	0.6	49
889	VCS- 1	<1	0.11	1.8	26	5.4	25	0.05	119	8	10.5	<0.2	12
890	VCS- 2	<1	0.16	1.1	22	5.1	18	0.04	303	11	7.2	<0.2	25
891	VCS- 3	<1	0.33	3.4	114	24.5	34	0.41	475	36	14	<0.2	41
892	VCS- 4	<1	0.27	<0.2	48	16.5	123	0.11	1069	19	12.7	0.3	27
893	VCS- 5	<1	0.28	0.2	53	15.2	24	0.32	276	34	9.4	<0.2	35
894	VCS- 6	27	0.09	3.2	560	41.7	25	2.42	906	168	12.9	<0.2	85
895	VCS- 7	<1	0.11	4.4	41	7.8	22	0.1	331	18	10.3	0.8	33
896	VCS- 8	<1	0.12	5.1	47	13.5	25	0.19	282	20	12.9	0.5	36
897	VCS- 9	<1	0.15	5.6	279	27.7	23	1.32	440	94	11.2	<0.2	62
898	VCS- 10	<1	0.19	3.8	75	9.2	32	0.38	219	28	12.9	<0.2	54
899	VCS- 11	<1	0.41	1.4	48	20	53	0.09	228	19	11.4	<0.2	17

7. Assay Results on Stream Sediment Geochemical Samples in the Western Thanh Hoa Area (1)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Sn ppm	W ppm	Zn ppm
1	TFS- 1	1	0.98	<0.2	135	5.6	<10	0.37	2613	27	94.7	0.3	<2	12	86
2	TFS- 2	<1	1.73	3.6	224	21.1	<10	0.25	5921	28	38.4	<0.2	17	17	127
3	TFS- 3	<1	0.06	4.7	617	20.4	12	0.76	2339	61	23.9	<0.2	<2	6	106
4	TFS- 4	<1	0.2	5.4	173	12.3	<10	0.38	2205	30	32.8	<0.2	<2	5	66
5	TFS- 5	1	0.06	3	153	14.2	<10	0.45	1122	33	26.7	<0.2	<2	6	50
6	TFS- 6	<1	<0.02	1.9	304	7.8	<10	0.15	1262	22	10.7	<0.2	<2	3	48
7	TFS- 7	<1	0.42	2.8	256	10	19	0.26	3225	26	27.3	<0.2	12	6	85
8	TFS- 8	<1	0.12	3.3	740	27	12	0.72	741	49	10.4	0.8	<2	3	49
9	TFS- 9	<1	0.26	2.9	313	5.9	30	0.11	78	74	33.8	0.5	6	10	53
10	TFS- 10	<1	0.26	5.8	542	5.8	28	0.15	193	125	44	2.6	5	17	66
11	TFS- 11	<1	0.18	4.6	470	5.9	17	0.17	158	114	34.6	0.3	53	17	67
12	TFS- 12	<1	0.47	9	236	3.6	76	0.17	254	53	45.1	2.4	5	20	66
13	TFS- 13	<1	0.37	3.1	162	5.1	17	0.11	68	44	26.1	0.9	<2	11	46
14	TFS- 14	<1	<0.02	2.9	558	17.7	19	1.37	815	149	13.1	<0.2	69	<2	63
15	TFS- 15	<1	<0.02	2.5	697	20.3	39	1.72	1217	137	12.6	<0.2	<2	4	75
16	TFS- 16	<1	0.51	4.3	214	8.1	17	0.28	970	51	28.4	<0.2	5	12	72
17	TFS- 17	<1	0.84	2.5	342	3.8	<10	0.2	2199	78	30.9	<0.2	<2	10	76
18	TFS- 18	<1	0.37	4.3	241	6.9	11	0.26	802	78	29.2	<0.2	<2	8	68
19	TFS- 19	<1	0.58	2.4	154	6.8	17	0.27	1062	42	28.1	<0.2	<2	9	69
20	TFS- 20	<1	0.07	5.5	92	5.6	<10	0.05	252	25	19.4	1	<2	6	60
21	TFS- 21	<1	0.06	12.6	103	14	17	0.12	250	30	37.7	0.8	<2	16	146
22	TFS- 22	<1	0.06	18.5	91	13.8	<10	0.14	305	26	55.2	1.6	5	11	164
23	TFS- 23	<1	<0.02	5.7	302	8	<10	0.24	350	32	28.2	0.5	19	47	80
24	TFS- 24	<1	0.27	5.9	84	5.5	<10	0.14	472	24	21.6	1.2	9	26	45
25	TFS- 25	<1	0.11	4.7	371	4.2	<10	0.17	405	104	28.3	<0.2	4	11	54
26	TFS- 26	<1	0.1	5.3	431	4	<10	0.2	496	104	27.2	0.2	6	11	65
27	TFS- 27	<1	0.3	5	223	2.3	<10	0.19	1036	57	26.4	1.6	<2	29	76
28	TFS- 28	<1	0.23	5.8	259	7.1	23	0.2	518	54	30.6	1.8	5	25	64
29	TFS- 29	1	0.09	5.6	132	5.9	27	0.19	492	36	29.9	1	10	14	62
30	TFS- 30	<1	0.27	5	124	5.6	40	0.14	318	32	30	1.2	8	14	54
31	TFS- 31	<1	0.25	5.9	160	8.8	33	0.19	860	41	31.6	2.6	10	16	79
32	TFS- 32	<1	0.18	3.2	160	4	<10	0.2	462	41	25.5	0.8	4	16	55
33	TFS- 33	<1	0.24	5.2	414	3.1	17	0.17	624	113	27.3	0.4	5	31	68
34	TFS- 34	<1	0.22	5.6	470	5.3	16	0.17	259	106	26.1	2.4	3	18	58
35	TFS- 35	2	<0.02	6.2	500	2.7	30	0.15	412	99	30.4	2.1	6	24	72
36	TFS- 36	<1	0.08	4	197	0.5	23	0.14	326	46	28.8	1.9	3	26	45
37	TFS- 37	<1	0.04	6.2	156	4.2	32	0.19	451	37	28.8	1	7	17	65
38	TFS- 38	2	<0.02	4.4	288	3	33	0.15	292	74	29.7	2.2	3	20	56
39	TFS- 39	<1	0.49	4.3	227	2.9	<10	0.19	1252	54	25.1	2.1	6	33	79
40	TFS- 40	<1	0.03	5.3	181	3.4	<10	0.19	554	47	27.1	0.5	<2	12	59
41	TFS- 41	<1	0.08	3.7	143	3.5	<10	0.18	457	42	22.7	0.7	5	12	53
42	TFS- 42	<1	0.21	6.2	234	3	10	0.14	173	65	36.7	3.2	5	20	47
43	TFS- 43	<1	0.39	1.5	116	2.4	16	0.09	152	33	20.6	1.6	6	9	61
44	TFS- 44	<1	0.14	8.5	1235	8.8	<10	0.18	285	528	117.9	3.6	7	29	222
45	TFS- 45	<1	0.42	4.8	61	2.5	<10	0.08	146	39	17.5	1.3	7	12	65
46	TFS- 46	<1	0.11	7.5	206	3.3	23	0.17	236	65	24.2	4.2	6	26	57
47	TFS- 47	<1	0.13	8.4	95	3.8	<10	0.17	247	25	22.2	2.9	6	14	52
48	TFS- 48	<1	<0.02	5	118	3.2	15	0.19	170	31	18.6	2.2	5	15	47
49	TFS- 49	<1	0.16	5.7	124	1.6	14	0.15	131	30	25.8	2.5	2	19	44
50	TFS- 50	<1	0.02	5.2	133	3.7	24	0.17	389	36	21.5	<0.2	<2	9	51
51	TFS- 51	<1	0.21	7.5	50	<0.2	35	0.17	125	12	25.7	6.1	5	33	45
52	TFS- 52	<1	0.25	6	1312	3.8	<10	0.18	184	272	32.9	5.7	9	25	58
53	TFS- 53	<1	0.22	0.3	30	0.8	10	0.11	50	6	15.5	4.1	5	21	24
54	TFS- 54	<1	0.23	7.4	66	<0.2	16	0.17	374	8	36.2	6.8	7	33	58
55	TFS- 55	<1	0.38	8.4	60	<0.2	11	0.18	422	7	31.4	6.9	7	37	57
56	TFS- 56	<1	0.18	5.3	33	0.4	17	0.19	70	5	24.6	6.5	6	24	37
57	TFS- 57	<1	0.13	5.4	52	0.9	18	0.17	138	7	22.8	5.1	5	27	39
58	TFS- 58	<1	0.2	6.3	31	0.6	<10	0.19	73	9	24.9	4.7	6	21	36
59	TFS- 59	<1	0.37	28.3	437	16.6	67	0.68	1771	90	48.7	7.7	27	56	182
60	TFS- 60	<1	0.24	31.7	481	22.8	31	1.67	2286	120	31.8	13.4	30	81	199
61	TFS- 61	<1	0.35	23.2	672	36.5	83	0.53	2163	148	47.9	10.8	29	57	194
62	TFS- 62	<1	0.2	9.6	682	34.1	53	2.16	1827	159	30.5	5.8	5	18	153
63	TFS- 63	<1	0.46	11.7	992	13.8	56	1.29	2003	129	40.6	7.5	50	31	216
64	TFS- 64	<1	0.33	19.8	398	14.1	59	0.36	1325	98	37.7	6.2	20	29	135
65	TFS- 65	<1	0.18	24.9	134	6.8	37	0.04	320	23	27.1	2.1	6	11	58
66	TFS- 66	<1	0.29	23.9	567	39.9	97	0.27	1622	151	47	6.8	4	9	110
67	TFS- 67	<1	0.63	38.7	505	16.9	43	0.4	2635	51	35.8	5.6	14	29	122
68	TMS- 1	<1	0.35	<0.2	50	5.2	18	0.18	97	17	7.5	<0.2	<2	7	38
69	TMS- 2	<1	1.56	0.7	42	6.3	98	0.17	136	16	13	0.7	<2	6	37
70	TMS- 3	<1	1.69	<0.2	40	6	48	0.17	197	15	14.3	<0.2	<2	5	42
71	TMS- 4	<1	0.23	4.7	84	6	42	0.13	339	12	34.2	1.9	12	14	50
72	TMS- 5	<1	0.33	9.6	36	1	56	0.12	329	5	41.6	4	6	29	51
73	TMS- 6	<1	0.68	42.6	60	2.2	37	0.11	1363	5	51.5	6.8	11	58	74
74	TMS- 7	<1	0.48	23.4	31	4.3	45	0.14	552	5	33.6	5.8	5	37	49
75	TMS- 8	<1	0.69	23.4	124	7.8	24	0.06	2299	30	52	7.4	12	69	119
76	TMS- 9	<1	0.36	126	32	5.9	33	0.07	486	7	49.4	12.2	14	39	71
77	TMS- 10	2	0.57	233	32	14.1	16	0.1	1090	7	108.7	8.8	92	777	79
78	TMS- 11	8	0.76	544.6	91	64.8	62	0.16	4926	25	38.8	2.5	643	1078	262

7. Assay Results on Stream Sediment Geochemical Samples in the Western Thanh Hoa Area (2)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Sn ppm	W ppm	Zn ppm
79	TMS- 12	58	0.44	114.4	41	17.4	17	0.11	1467	12	57.9	1.3	59	545	94
80	TMS- 13	<1	0.61	27.8	226	16.9	25	0.16	1054	52	58.3	10.5	45	593	96
81	TMS- 14	<1	0.13	2.4	52	4.3	24	0.11	63	16	37.2	2.3	3	14	35
82	TMS- 15	<1	0.36	1.3	76	6.9	39	0.21	402	12	46.3	2.2	5	11	85
83	TMS- 16	<1	0.44	3	135	3.1	23	0.22	538	27	35.9	2.5	6	17	82
84	TMS- 17	<1	0.31	3.5	96	12.1	26	0.22	898	28	19.9	1.3	52	14	50
85	TMS- 18	<1	0.21	24.5	365	27	25	1.19	1497	101	36.3	5.5	10	11	120
86	TMS- 19	<1	0.28	6.9	80	7.2	<10	0.19	468	20	54.2	0.9	5	18	140
87	TMS- 20	<1	0.2	14.9	638	27.9	17	1	1010	100	31.3	1.7	8	6	107
88	TMS- 21	<1	0.26	14.2	632	35.6	47	1.83	2335	142	76.1	5.2	15	29	199
89	TMS- 22	<1	0.16	2.3	40	17.1	26	0.1	331	16	28.9	<0.2	3	6	55
90	TMS- 23	<1	0.06	2.5	29	18.2	43	0.08	174	13	18.8	<0.2	20	5	39
91	TMS- 24	<1	0.15	1.5	51	10.2	10	0.08	203	12	12.4	0.4	6	4	26
92	TMS- 25	<1	<0.02	6	32	42.6	26	0.06	174	10	18.2	<0.2	2	6	31
93	TMS- 26	<1	0.06	2.7	66	26.2	34	0.11	269	23	20.9	<0.2	3	3	47
94	TMS- 27	<1	0.12	5.8	78	27	18	0.11	256	26	44.1	<0.2	4	3	94
95	TMS- 28	<1	<0.02	4.4	77	30.5	20	0.15	706	32	22.8	<0.2	<2	4	86
96	TMS- 29	<1	<0.02	7.3	69	35	23	0.21	616	37	71.6	0.2	<2	9	109
97	TMS- 30	<1	<0.02	3.1	70	11.1	17	0.14	365	26	24.7	0.3	<2	3	82
98	TMS- 31	<1	<0.02	2.4	368	12.6	14	0.18	284	145	20	<0.2	<2	4	54
99	TMS- 32	<1	<0.02	<0.2	39	9.3	32	0.13	430	16	10.2	<0.2	18	7	47
100	TMS- 33	<1	<0.02	<0.2	53	10.7	50	0.26	1010	17	17.5	0.5	5	14	91
101	TMS- 34	<1	<0.02	2.6	52	5.4	20	0.18	683	12	23.2	<0.2	52	23	71
102	TMS- 35	<1	0.26	1.1	50	6.4	26	0.25	533	14	18.4	1.5	5	10	56
103	TMS- 36	<1	0.15	3	42	9.5	11	0.38	352	16	22.4	3.8	6	18	70
104	TMS- 37	<1	0.21	2.1	25	3.5	12	0.15	208	4	14.9	2.6	4	15	17
105	TMS- 38	<1	0.27	2.7	25	1.7	24	0.11	139	6	14	2.1	43	22	15
106	TMS- 39	<1	0.4	4.2	25	2.6	<10	0.18	611	5	36.4	2.6	49	81	46
107	TMS- 40	<1	0.11	3.4	12	2.2	<10	0.09	139	5	22.5	1.4	4	3	35
108	TMS- 41	<1	0.19	3	41	12.2	<10	0.27	329	15	49.5	2.6	5	5	68
109	TMS- 42	<1	0.06	0.3	16	7.8	14	0.11	132	8	34.1	<0.2	5	3	23
110	TMS- 43	<1	0.14	1.8	25	7.9	<10	0.21	714	8	36	0.4	5	16	48
111	TMS- 44	<1	0.11	2.5	39	8.9	23	0.28	150	17	40.5	0.9	5	6	41
112	TMS- 45	<1	0.15	0.8	10	2.6	<10	0.08	107	9	43.4	<0.2	6	4	15
113	TMS- 46	<1	<0.02	1.9	50	7.7	<10	0.36	186	18	29.9	0.8	5	5	45
114	TMS- 47	<1	0.33	1.2	39	1.8	<10	0.25	465	7	26.5	0.6	4	13	54
115	TMS- 48	2	0.16	25.8	14	3.5	24	0.18	119	7	42.1	6	19	12	31
116	TMS- 49	<1	0.42	10.9	31	1.6	14	0.23	1423	6	33.5	2.7	9	52	73
117	TMS- 50	<1	0.22	8.5	23	1.7	18	0.25	211	6	25.8	2.9	5	12	40
118	TMS- 51	<1	0.3	0.9	24	<0.2	<10	0.2	181	16	23	2.6	6	13	32
119	TMS- 52	<1	0.28	<0.2	23	<0.2	<10	0.2	78	4	20.4	0.4	7	13	25
120	TMS- 53	<1	0.31	1.1	28	<0.2	18	0.27	151	9	25.6	2.2	2	17	33
121	TMS- 54	<1	0.36	<0.2	27	0.4	<10	0.19	63	6	18.2	2	7	28	18
122	TMS- 55	<1	0.04	2.7	25	0.9	<10	0.2	100	5	17.6	1.5	56	20	25
123	TMS- 56	<1	0.49	4.6	41	<0.2	<10	0.13	226	5	29.1	6.4	44	31	40
124	TMS- 57	<1	0.43	4.7	38	6.6	<10	0.37	1269	11	46.8	4.8	7	29	127
125	TMS- 58	<1	0.47	8.6	37	6.4	<10	0.38	1001	11	53.3	4.6	8	30	99
126	TMS- 59	<1	0.73	9.2	51	3.4	30	0.37	2087	9	30.7	6.9	8	42	79
127	TMS- 60	<1	0.62	6.9	31	0.3	<10	0.15	2539	11	30.7	1	10	61	78
128	TMS- 61	<1	0.57	4.6	16	0.5	14	0.08	936	3	62.1	1.2	21	559	40
129	TMS- 62	<1	0.16	13.4	21	3.5	25	0.32	294	7	51.4	2.5	80	31	69
130	TMS- 63	<1	0.25	10.3	26	2.9	<10	0.19	454	14	30.8	3	70	172	42
131	TMS- 64	<1	0.18	5	24	2.7	16	0.15	147	5	19.5	2.3	33	24	19
132	TMS- 65	<1	0.17	18.9	19	3.6	17	0.17	222	8	20.4	1.9	6	13	26
133	TMS- 66	<1	0.31	0.7	22	2.1	<10	0.2	59	7	16.4	1	2	11	26
134	TMS- 67	<1	0.25	5.5	20	2.2	36	0.22	86	9	20.2	3.3	27	9	25
135	TMS- 68	<1	0.06	0.7	26	6.5	<10	0.09	174	8	13	1	5	10	28
136	TMS- 69	<1	0.02	1.4	17	17.8	<10	0.08	265	6	34.2	0.3	10	28	25
137	TMS- 70	<1	0.27	6.5	46	15.4	<10	0.19	423	18	59.2	0.5	8	8	112
138	TMS- 71	<1	0.32	1.6	34	3.1	<10	0.2	621	9	26.5	0.2	<2	19	49
139	TMS- 72	<1	0.22	1.6	26	5.3	36	0.16	131	7	26.3	0.5	21	4	33
140	TMS- 73	<1	0.09	1.3	33	7	11	0.26	433	14	30.3	<0.2	5	16	46
141	TMS- 74	<1	0.12	1.3	36	4.3	<10	0.17	238	8	27.7	2.3	3	12	34
142	TMS- 75	<1	0.15	<0.2	40	2.4	20	0.12	44	7	26.4	3.4	6	13	26
143	TMS- 76	<1	0.39	2.1	45	3.4	20	0.11	89	9	29.4	0.7	2	12	36
144	TMS- 77	1	0.28	1	24	5.5	23	0.16	142	9	21.4	1	<2	5	36
145	TMS- 78	<1	0.34	1.3	22	6.1	37	0.15	70	9	21.3	1.2	3	9	33
146	TMS- 79	<1	0.48	4.5	43	5.6	35	0.19	105	8	36.1	3.2	5	14	55
147	TMS- 80	<1	0.24	4.1	33	4.6	20	0.18	79	11	31.7	2.3	5	7	43
148	TMS- 81	<1	5.73	<0.2	22	1.7	24	0.04	973	9	30.1	<0.2	4	18	43
149	TMS- 82	<1	8.13	<0.2	5	1.6	29	0.07	446	9	34.9	<0.2	3	<2	48
150	TMS- 83	<1	1.73	<0.2	56	4.2	<10	0.27	441	11	9.6	<0.2	<2	4	14
151	TMS- 84	<1	1.77	3.8	92	11.7	42	0.02	153	55	18.8	<0.2	4	5	32
152	TMS- 85	<1	7.29	<0.2	50	11.9	16	0.02	260	47	35.7	<0.2	7	7	36
153	TMS- 86	<1	4.23	<0.2	111	6.1	29	0.17	611	39	27.3	<0.2	5	3	37
154	TMS- 87	<1	6.12	<0.2	28	4	23	0.02	169	19	34.3	0.4	9	5	29
155	TMS- 88	<1	3.51	<0.2	30	2.8	34	0.01	90	21	18.4	<0.2	4	11	22
156	TMS- 89	<1	7.88	<0.2	144	11.3	14	0.14	737	36	34.2	<0.2	4	6	40

7. Assay Results on Stream Sediment Geochemical Samples in the Western Thanh Hoa Area (3)

No.	Sample No. unit	Au ppb	Ag ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mg %	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Sn ppm	W ppm	Zn ppm
157	TNS- 90	<1	0.58	1.4	80	19.7	11	0.18	481	34	21.5	1.4	8	4	42
158	TNS- 91	2	0.07	24.9	69	25.9	16	0.58	481	56	25.7	0.4	3	2	61
159	TNS- 92	<1	0.26	1.5	99	15	<10	0.16	134	54	17.1	0.9	<2	2	39
160	TNS- 93	<1	0.22	2.4	93	16.1	<10	0.27	250	52	19.5	0.7	<2	<2	49
161	TNS- 94	<1	0.2	<0.2	98	18.6	<10	0.31	157	51	18.2	1.2	2	3	55
162	TNS- 95	<1	0.11	0.7	86	18.6	<10	0.18	278	41	19.2	1.1	38	3	40
163	TNS- 96	<1	0.18	0.8	114	21.6	<10	0.18	177	61	19.3	0.2	3	3	47
164	TNS- 97	<1	0.07	<0.2	43	7.7	<10	0.05	32	22	7.6	<0.2	12	<2	15
165	TNS- 98	<1	0.18	<0.2	88	20.3	<10	0.04	45	53	12.6	0.6	<2	<2	22
166	TNS- 99	<1	0.22	0.7	84	17	<10	0.22	285	42	23.6	0.2	4	4	49
167	TNS- 100	<1	0.26	1.5	104	24.3	<10	0.2	244	70	25.1	0.3	3	7	52
168	TNS- 101	<1	0.38	0.7	119	20	16	0.1	251	75	24.7	<0.2	4	3	53
169	TNS- 102	<1	0.49	4.3	64	18.6	10	0.1	321	48	15.2	2.3	<2	4	36
170	TNS- 103	3	0.16	0.9	78	15	<10	0.21	263	38	15	<0.2	18	7	48
171	TNS- 104	<1	0.27	3.1	64	16.8	20	0.16	240	29	19.6	1	<2	3	40
172	TNS- 105	<1	5.14	<0.2	31	4.5	24	0.02	311	25	30.1	0.6	5	7	25
173	TNS- 106	<1	4	7.5	259	43.9	43	0.04	354	87	61	1.8	4	6	125
174	TNS- 107	<1	2.39	5.9	523	34.2	34	0.14	372	134	82.1	1.6	6	6	216
175	TNS- 108	<1	2.08	<0.2	40	3.3	47	0.07	332	24	31.2	<0.2	5	6	33
176	TNS- 109	<1	1.01	9.5	119	34.7	31	0.04	391	170	48.8	<0.2	80	9	71
177	TNS- 110	<1	5.19	<0.2	59	10.4	47	0.02	270	45	34.7	0.7	33	3	46
178	TNS- 111	<1	1.69	5.4	126	27.6	42	0.03	222	67	34.6	<0.2	6	6	57
179	TNS- 112	<1	2.19	20.5	69	10.2	52	0.02	201	31	27	<0.2	10	6	38
180	TNS- 113	<1	2.25	<0.2	36	4.2	40	<0.01	394	22	17.6	<0.2	7	5	27
181	TNS- 114	<1	0.07	<0.2	76	28.3	20	0.43	808	42	11.5	<0.2	2	<2	42
182	TNS- 115	<1	0.48	3.8	92	24.5	35	0.48	348	44	63.8	0.9	<2	3	74
183	TNS- 116	<1	0.27	<0.2	56	31	17	0.5	698	52	16.2	2.2	5	<2	46
184	TGS- 1	<1	0.19	<0.2	98	17.7	<10	0.11	279	50	25.8	<0.2	<2	<2	55
185	TGS- 2	<1	0.04	<0.2	59	14.8	<10	0.11	171	44	14.5	<0.2	<2	<2	52
186	TGS- 3	<1	0.49	0.7	159	6.6	12	0.35	879	37	32.9	1.1	6	20	71
187	TGS- 4	<1	0.18	<0.2	137	14.4	11	0.12	301	91	28.5	0.2	<2	12	59
188	TGS- 5	<1	0.35	<0.2	202	14.7	15	0.19	465	94	35.1	0.9	3	10	52
189	TGS- 6	<1	0.35	2.1	194	15.8	13	0.35	728	59	39	<0.2	7	12	76
190	TGS- 7	<1	0.19	0.8	382	35.9	15	0.6	1061	87	36.1	0.7	36	<2	61
191	TGS- 8	<1	0.42	<0.2	218	8.1	<10	0.16	1833	41	34.6	<0.2	<2	<2	43
192	TGS- 9	<1	0.6	0.2	442	11.3	<10	0.38	2386	44	22.3	<0.2	17	8	71
193	TGS- 10	<1	0.27	<0.2	219	23.3	19	0.32	935	61	13.2	3.5	4	2	43
194	TGS- 11	<1	0.14	61.3	119	33.9	23	0.11	138	74	48	3.8	<2	3	44
195	TGS- 12	<1	0.24	43.3	257	48.8	11	0.21	653	75	31.7	8.2	9	23	62
196	TGS- 13	<1	0.91	7.3	121	2.2	14	0.09	2571	28	29.3	4	7	18	87
197	TGS- 14	<1	0.29	7.8	126	11.3	13	0.21	476	36	37.6	1.2	3	5	46
198	TGS- 15	<1	<0.02	0.5	60	12.9	12	0.08	162	33	21.7	1.5	7	4	47
199	TGS- 16	<1	0.12	10.2	72	20.6	13	0.12	251	33	43.8	0.8	4	7	107
200	TGS- 17	<1	0.27	1.7	99	13.1	21	0.07	395	51	53.9	0.9	6	3	94
201	TGS- 18	<1	0.24	6.9	53	15.8	20	0.08	317	25	47.8	2.3	5	6	97
202	TGS- 19	70	0.19	10.1	64	11.2	18	0.11	197	18	47.5	2.3	<2	3	135
203	TGS- 20	<1	0.33	39.9	195	48.9	34	0.34	2083	52	110.8	7.7	3	9	346
204	TGS- 21	<1	0.1	5.1	70	11.8	14	0.12	568	28	30.4	<0.2	3	<2	74
205	TGS- 22	<1	0.35	4.6	91	6.5	23	0.22	558	20	52.5	3.2	15	11	75
206	TGS- 23	<1	0.15	2.8	85	10.9	22	0.24	576	27	41.2	1.1	2	2	99
207	TGS- 24	<1	0.23	3.7	89	7.4	18	0.28	380	31	46.5	1.8	2	9	98
208	TGS- 25	<1	0.2	5.5	60	5.7	15	0.07	128	20	14.7	0.5	2	2	19
209	TGS- 26	<1	0.46	5.7	134	6.4	29	0.29	427	29	50.8	2.2	6	13	70
210	TGS- 27	<1	0.38	4.2	64	5.8	40	0.26	578	24	28.1	1	25	10	53
211	TGS- 28	<1	0.16	3.1	21	1.8	28	0.14	110	6	20.6	1	2	4	25
212	TGS- 29	<1	0.22	<0.2	45	1.4	26	0.11	98	10	27.8	3.2	5	17	24
213	TGS- 30	<1	0.22	1.1	41	5	18	0.16	339	12	27.4	11.9	3	13	30
214	TGS- 31	<1	0.23	2.7	161	17	15	0.05	793	33	27.8	0.5	<2	7	57
215	TGS- 32	<1	0.05	<0.2	50	13.5	<10	0.1	485	23	25.3	0.5	<2	5	42
216	TGS- 33	<1	0.13	<0.2	65	10.3	<10	0.07	486	22	20.4	<0.2	3	<2	38
217	TGS- 34	<1	0.49	2.8	69	10.1	24	0.17	1112	19	28	2.9	18	245	56
218	TGS- 35	<1	0.28	1.5	48	1.7	19	0.17	620	17	25.9	4.8	13	221	36
219	TGS- 36	<1	0.76	5.3	62	5.2	12	0.21	2702	11	31.9	6.3	41	1284	73
220	TGS- 37	<1	1.05	5.5	61	2.7	12	0.16	3156	12	35.2	4.7	36	549	87
221	TGS- 38	<1	0.22	0.3	34	3.8	23	0.16	181	16	28.2	0.3	7	31	49
222	TGS- 39	<1	0.52	13.7	47	1.2	18	0.17	1159	10	29.9	4.5	9	43	62
223	TGS- 40	<1	1.13	3.8	71	2.6	15	0.16	3463	14	36.8	6.7	54	1109	83
224	TGS- 41	<1	0.58	<0.2	49	5.2	11	0.23	3627	14	33.6	0.3	8	17	95
225	TGS- 42	<1	0.36	5.6	45	2.2	19	0.16	529	20	28.6	2	6	24	61
226	TGS- 43	<1	0.65	5.4	53	5.4	18	0.17	1706	16	40.2	2.2	26	340	58
227	TGS- 44	<1	0.27	4.5	66	2.6	17	0.21	216	20	24.8	0.6	4	18	47
228	TGS- 45	<1	0.99	<0.2	66	<0.2	19	0.14	4667	14	29.2	1.1	4	17	99
229	TGS- 46	<1	0.64	3.2	54	4.3	<10	0.22	2911	10	24.7	1.1	15	99	69
230	TGS- 47	<1	0.42	2.3	53	0.3	21	0.13	1179	16	22.8	3.1	4	11	51
231	TGS- 48	<1	0.69	6.2	72	1	12	0.15	2378	17	33.7	3.6	9	14	77
232	TGS- 49	<1	0.63	<0.2	84	3.7	15	0.14	1689	33	27.3	2.6	20	306	69
233	TGS- 50	<1	0.52	2.4	119	4.7	19	0.19	1744	34	32.1	4.1	23	299	66
234	TGS- 51	<1	0.81	1.8	101	4	13	0.2	2511	38	32.2	3.4	31	444	74

7. Assay Results on Stream Sediment Geochemical Samples in the Western Thanh Hoa Area (4)

No.	Sample No.	Au	Ag	As	Cr	Cu	Hg	Mg	Mn	Ni	Pb	Sb	Sn	W	Zn
	unit	ppb	ppm	ppm	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
235	TGS- 52	<1	0.7	<0.2	139	1.3	20	0.11	1821	48	30.5	4.6	22	346	58
236	TGS- 53	<1	0.82	9.6	86	5.9	24	0.23	3272	20	34.3	7.4	61	1643	88
237	TGS- 54	<1	0.34	3.2	65	2.4	14	0.2	1151	19	28.3	4.7	13	180	49
238	TGS- 55	<1	0.24	5	110	2.4	17	0.19	668	23	27.1	4.5	13	113	40
239	TGS- 56	1	0.84	5.2	65	2.1	13	0.18	1993	17	33.5	3.4	20	262	68
240	TGS- 57	<1	0.34	<0.2	58	6.7	14	0.16	900	23	24.4	2.7	22	133	53
241	TGS- 58	<1	0.3	<0.2	791	29.7	13	0.19	260	162	34.8	0.6	10	22	86
242	TGS- 59	<1	0.15	0.4	74	32.7	<10	0.07	187	18	31.9	<0.2	4	10	89
243	TGS- 60	<1	0.19	<0.2	41	5.5	<10	0.11	133	14	16	1.2	6	19	32
244	TGS- 61	<1	0.14	0.6	252	19.3	<10	0.06	216	138	27.2	0.8	5	10	54
245	TGS- 62	<1	0.36	0.9	79	6.1	<10	0.18	678	25	25.2	2.8	6	10	55
246	TGS- 63	<1	0.46	<0.2	62	3.2	15	0.14	486	11	25.6	1.6	8	10	58
247	TGS- 64	<1	0.49	0.8	101	5.6	15	0.17	705	25	30.3	3.6	7	12	62
248	TGS- 65	<1	0.69	2.9	158	16	18	0.29	763	46	30.1	1.8	6	13	68
249	TGS- 66	<1	1.01	<0.2	150	1.5	15	0.12	2291	27	32.4	2	12	13	135
250	TGS- 67	<1	0.38	1	90	8.4	<10	0.21	400	30	26.6	1.3	5	7	46
251	TGS- 68	<1	0.31	2	186	13.1	13	0.2	597	65	26.4	2.6	5	11	81
252	TGS- 69	<1	0.45	0.5	176	4.4	20	0.07	254	46	23	2.5	6	9	47
253	TGS- 70	1	0.13	2.3	171	8.9	<10	0.08	371	61	19.5	<0.2	<2	3	52
254	TGS- 71	<1	0.46	11.8	210	34.6	20	0.09	3593	71	9.7	0.5	<2	<2	37
255	TGS- 72	2	0.66	11.8	264	51.4	35	0.08	3757	86	16.5	<0.2	<2	<2	52
256	TGS- 73	1	1.66	12.6	382	29.6	<10	0.13	13313	194	13.6	0.2	<2	4	119
257	TGS- 74	2	0.43	10.7	547	47.3	31	0.09	2083	144	26.1	0.8	<2	5	58
258	TGS- 75	2	0.8	11.5	784	90.3	36	0.14	3990	248	19.1	1	4	<2	111
259	TGS- 76	4	0.55	11.2	210	69.7	47	0.14	3174	90	28.2	1	<2	7	87
260	TGS- 77	<1	0.47	2.1	243	19.4	30	0.38	829	90	26.6	0.3	3	5	83
261	TGS- 78	1	0.24	1.5	244	20	42	0.04	723	94	16.5	0.5	<2	3	36
262	TGS- 79	<1	0.73	0.2	304	12.3	17	0.4	1051	98	34.7	0.3	<2	4	86
263	TGS- 80	<1	1.82	<0.2	388	7.8	13	0.28	1295	117	36	<0.2	3	11	94
264	TGS- 81	<1	0.72	<0.2	638	13.7	12	0.25	1493	144	28	<0.2	2	4	61
265	TGS- 82	<1	0.06	<0.2	1065	18.1	13	0.93	795	266	30.2	1	<2	<2	87
266	TGS- 83	<1	0.13	2.3	1001	16.8	48	0.17	143	268	26.5	1.2	3	4	59
267	TGS- 84	<1	0.16	1.1	185	9.9	30	0.14	113	64	9.4	<0.2	<2	4	53
268	TGS- 85	<1	0.22	<0.2	263	7.1	46	0.13	57	82	13.1	<0.2	<2	2	44
269	TGS- 86	<1	0.11	3.1	261	13.3	175	0.18	59	92	18.4	0.7	17	4	34
270	TGS- 87	<1	0.24	0.8	362	11.6	34	0.18	112	131	16.3	<0.2	<2	3	42
271	TGS- 88	<1	1.03	2.1	427	15.3	26	0.2	211	154	24.6	0.7	2	6	58
272	TGS- 89	<1	1.39	1.9	601	11.8	28	0.09	255	192	19.9	0.5	9	4	51
273	TGS- 90	1	0.18	2	773	12.5	43	0.12	191	223	20.9	0.4	<2	4	60
274	TGS- 91	<1	0.18	0.8	1460	12.1	11	0.11	85	249	30.8	0.5	9	3	68
275	TGS- 92	<1	3.39	0.7	359	9.7	30	0.45	988	100	21.3	0.7	<2	9	50
276	TGS- 93	<1	0.21	<0.2	341	14.1	<10	0.1	467	103	8.8	<0.2	<2	<2	40
277	TGS- 94	<1	0.37	2.4	563	27.6	20	0.21	390	177	14.3	<0.2	<2	<2	55
278	TGS- 95	<1	0.36	3.5	913	18	<10	0.27	479	229	24.2	<0.2	<2	4	73
279	TGS- 96	<1	0.44	4.1	796	22.4	15	0.39	594	238	34.7	0.7	2	5	82
280	TGS- 97	<1	0.48	1.3	1018	17	20	0.19	530	305	38	0.8	5	6	74
281	TGS- 98	2	0.4	2.2	1510	17.6	29	0.21	414	418	43.9	<0.2	<2	6	92
282	TGS- 99	<1	0.42	5.3	2841	22.9	<10	0.34	743	616	62.8	1.1	14	8	119
283	TGS- 100	<1	0.38	1.5	275	15.9	11	0.25	459	87	18.8	0.2	<2	4	46
284	TGS- 101	<1	2.66	<0.2	888	13.6	13	0.68	977	173	25.5	0.4	4	8	61
285	TGS- 102	<1	0.66	6.4	867	17.8	30	0.24	733	189	39.7	1.9	3	6	66
286	TGS- 103	<1	5.82	0.8	958	5.2	22	0.15	1086	299	32.9	0.5	15	15	65
287	TGS- 104	<1	6.33	<0.2	738	16.1	19	0.04	479	310	33.6	<0.2	5	6	77
288	TGS- 105	<1	0.34	<0.2	1579	42.7	23	2.82	1969	256	21.3	<0.2	3	<2	77
289	TGS- 106	<1	0.19	<0.2	1407	33.3	17	1.76	1228	302	23.9	0.2	<2	6	71
290	TGS- 107	<1	0.1	1	2307	40.8	37	2.44	1425	420	47.6	<0.2	<2	5	85
291	TGS- 108	<1	0.14	<0.2	570	35.7	32	1.12	958	134	12.5	0.6	<2	3	38
292	TGS- 109	2	0.17	2.1	932	29.6	12	2.4	1380	258	17.1	1.6	<2	5	53
293	TGS- 110	<1	0.24	1.4	1054	21.9	11	2.76	1598	205	18.2	<0.2	<2	12	60
294	TGS- 111	<1	0.22	1.8	682	13	15	0.17	124	184	21.3	6.6	<2	<2	57
295	TGS- 112	<1	0.22	0.7	1122	53.1	21	3.7	1119	356	25.8	1.1	4	4	93
296	TGS- 113	<1	0.14	2.8	798	18.5	14	0.21	181	298	37.6	7.4	<2	3	86
297	TGS- 114	<1	0.05	1.8	1663	73.6	14	3.29	940	524	73.8	2	3	6	109
298	TGS- 115	<1	0.23	3.5	1666	47.5	13	1.54	720	488	40.9	3	<2	6	90
299	TGS- 116	<1	0.08	3	1165	21.1	<10	0.5	279	300	27.4	3.7	2	5	77
300	TGS- 117	<1	0.36	2.6	1344	26.8	<10	1.61	1133	307	24.8	1.9	9	3	65
301	TGS- 118	<1	0.31	<0.2	154	8.3	<10	0.04	41	45	6.5	1.9	4	3	18
302	TGS- 119	<1	0.12	1.2	823	13.9	17	0.08	129	92	15.4	1.4	2	4	18
303	TGS- 120	<1	0.42	1	665	27.9	11	0.05	772	153	18.3	<0.2	<2	<2	34
304	TGS- 121	<1	3.28	<0.2	541	<0.2	14	0.03	7575	119	25.1	<0.2	2	3	118
305	TGS- 122	<1	1.18	<0.2	464	4.1	10	0.13	2759	152	18.5	<0.2	<2	<2	65
306	TGS- 123	<1	2.37	<0.2	287	<0.2	<10	0.06	5923	94	13	<0.2	<2	<2	99
307	TNS- 1	<1	0.15	0.9	555	23.7	12	0.07	389	145	22.2	<0.2	6	5	42
308	TNS- 2	<1	0.19	1.3	240	17.1	30	0.19	215	72	20.3	0.7	<2	8	50
309	TNS- 3	1	0.05	3.2	78	9.7	<10	0.07	257	27	18.3	0.2	<2	5	41
310	TNS- 4	<1	0.15	1.7	695	12.1	30	0.14	707	141	30.8	0.7	3	9	67
311	TNS- 5	<1	0.27	2.7	1844	21.3	<10	0.16	388	575	41.1	0.5	3	<2	50
312	TNS- 6	<1	0.12	1.4	366	16.9	14	0.06	354	98	24.5	<0.2	<2	4	42