CHAPTER 3. DETAILED GEOLOGICAL SURVEY OF LUONG SON MINERALIZATION ZONE

3.1. Geology and Geologic Structure

3.1.1. Geology

The geology of the survey area consists of Middle Triassic sedimentary rocks, Undiscriminated Jurassic pyroclastic rock, unconsolidated Quaternary sediments, and gabbroic intrusive bodies of Late Triassic time. Figure IV-3-1 shows the geologic map and geologic sections, and the locality map of samples for laboratory studies is given in Plate 16. Furthermore, the locality map of soil and panned concentrate samples is shown in Plate 17.

The Middle Triassic (T_2a) widely occur in the whole of survey area and is made up mainly of grey to dark grey, hard, fine- to medium-grained sandstone. The black mudstone is intercalated with the sandstone at one place of the eastern part. The Undiscriminated Jurassic (J?) covers a small area of the southeastern edge and comprises grey dacitic crystal tuff. Only several floats of tuff were found in this area, but it is believed that the tuff unconformably overlies the T_2a sandstone. The Quaternary (Q) occurs along the Cao River in the southwestern edge of the area. And further five gabbroic bodies intruded into the T_2a sandstone area. The bodies are generally dark grey and coarse-grained. They are 100 m to 300 m wide and extend roughly in the N-S direction.

3.1.2. Geologic structure

The sandstone of the unit T_2a widely occurs in the survey area, but most of the rocks are massive and bedding planes were recognized only at six places. Although dips and strikes of the beds are not constant, they generally extend in the NNW-SSE direction. It is inferred from the data obtained through the field survey that the sandstone beds constitute a series of folds with flanks of gentle to moderate dips (30 to 50°) and with about 2 km wavelength.

Two faults were found in the eastern and southern parts of the area, and they run in the NNW-SSE and NW-SE direction, respectively.

The Undiscriminated Jurassic (J?) and one gabbroic body are cut by the former fault. Sandstone beds near the latter fault are milonitized. These faults are thought not to control the major structure of the whole survey area.

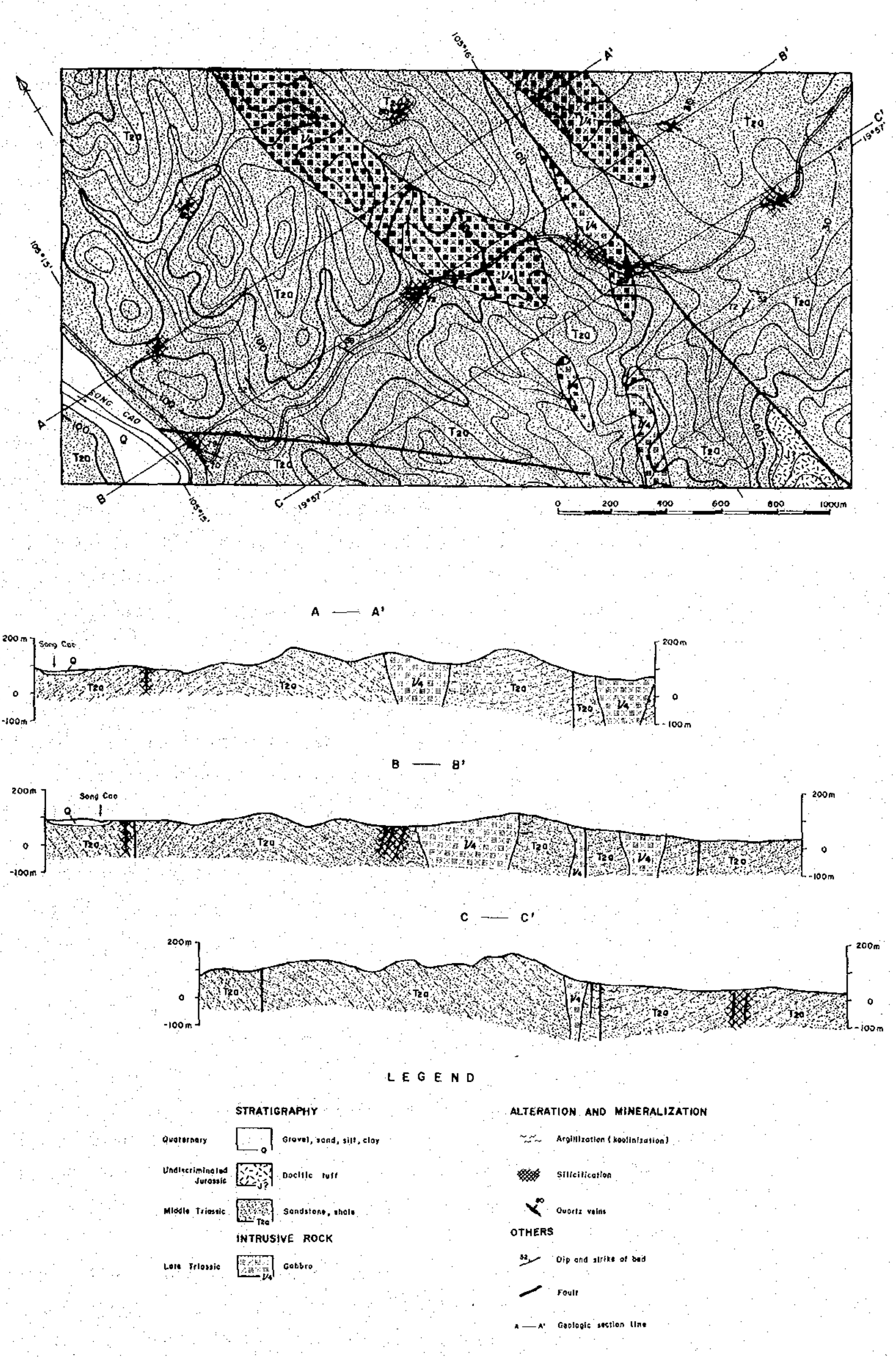


Fig.IV-3-1 Geologic Map and Sections of the Luong Son Mineralization Zone

3.2. Mineralization

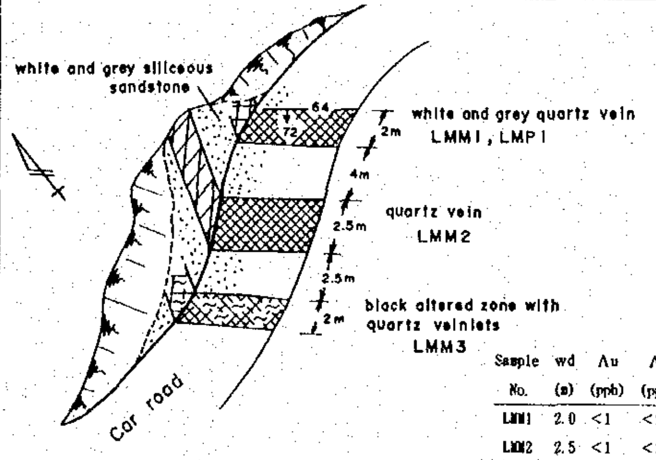
This Mineralization Zone is one of the most representative gold mineralization zone and is characterized by concentrating gold-bearing hydrothermal quartz veins.

During Phase I survey, three sites of quartz vein were examined. They are located in the vicinity of the car-road which passes through the central part of Phase II survey area. The veins are hosted by the Middle Triassic (T_2a) sandstone and black mudstone. The principal vein systems are divided into two, that is, NNW-SSE and NE-SW. The vein have steep dips ranging from 70° to vertical and are about 1 m wide. The main constituent minerals are quartz, limonite, and goethite. A trace amount of chalcopyrite is also observed microscopically in one vein. Veinlets and stockwork of quartz and limonite are occasionally found on both hanging and foot wall sides of the quartz veins for 1 m. All vein quartz are translucent to colorless and massive. The chemical analysis of the collected samples revealed that the highest content of gold was 0.24 g/t.

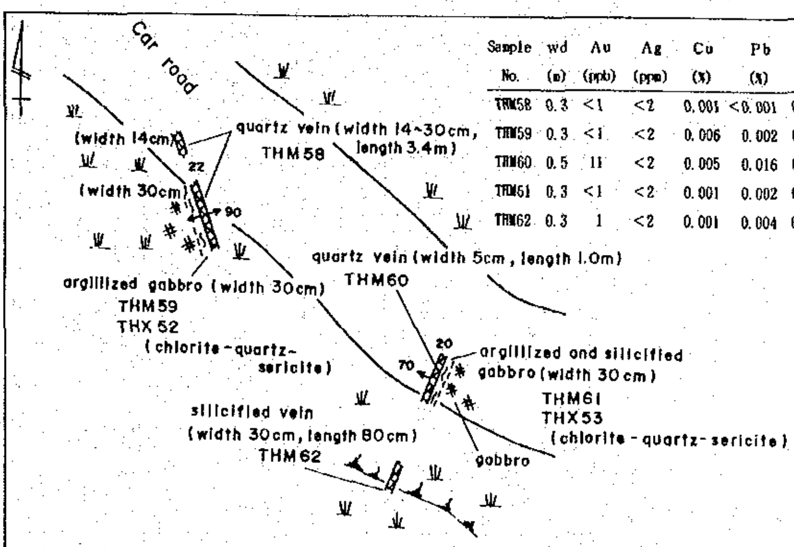
Eight outcrops of quartz vein and 15 sites of float zones of vein quartz were newly discovered through the detailed geological survey of this phase. Most of the quartz veins are hosted by sandstone, but two of them by a gabbroic body (see Figure IV-3-2). The veins have various strikes and dips of more than 60°. They range in width from several centimeters to 30 cm. The maximum size of float is 2 m long (stockwork) and part of vein is 50 cm wide in maximum. The host rocks of sandstone and gabbro are intensely silicified on both hanging and foot wall sides near the veins and a large amount of chlorite was found within the gabbroic body. All vein quartz are translucent to colorless. Not only pyrite and goethite but also a minor amount of chalcopyrite was observed microscopically in some veins.

Thirty-four quartz samples were collected for chemical analysis from the above 23 localities of outcrops and float zones. The assay results for principal elements of those samples are shown in Table IV-3-1. The results for other elements are laid out in Appendix 4.

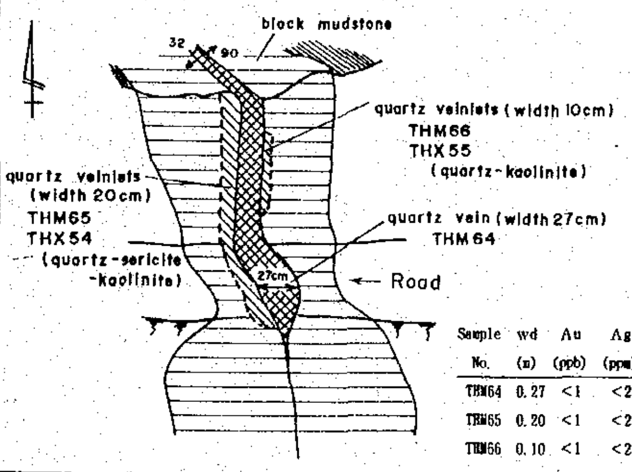
The hydrothermal alteration zone of kaoline minerals occurs on the east of a gabbroic body located in the central part of this area. The detailed geological survey of this phase revealed that the zone is about 600 m wide and extends roughly in the N-S direction. Kaolinite and a small amount of



Sample No.	wd (m)	Au (ppb)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ni (%)	Cr (%)	Mn (%)	Sn (%)	W (%)
LMM1	2.0	<1	<2	0.004	0.031	0.045	0.003	0.033	0.010	<0.001	<0.001
LMM2	2.5	<1	<2	0.002	0.008	0.025	0.003	0.038	0.140	<0.001	<0.001
LMM3	2.0	<1	<2	0.002	0.013	0.020	0.002	0.016	0.010	<0.001	<0.001



Sample No.	wd (m)	Au (ppb)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ni (%)	Cr (%)	Mn (%)	Sn (%)	W (%)
THM58	0.3	<1	<2	0.001	<0.001	0.001	0.002	0.027	0.052	<0.001	<0.001
THM59	0.3	<1	<2	0.006	0.002	0.056	0.013	0.067	0.066	<0.001	0.003
THM60	0.5	11	<2	0.005	0.016	0.005	0.003	0.030	0.102	<0.001	0.002
THM61	0.3	<1	<2	0.001	0.002	0.062	0.008	0.036	0.094	<0.001	0.003
THM62	0.3	1	<2	0.001	0.004	0.085	0.003	0.003	0.073	<0.001	<0.001



Sample No.	wd (m)	Au (ppb)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ni (%)	Cr (%)	Mn (%)	Sn (%)	W (%)
THM64	0.27	<1	<2	0.002	0.012	0.004	<0.001	0.022	0.003	<0.001	<0.001
THM65	0.20	<1	<2	0.007	0.141	0.034	0.004	0.017	0.026	0.001	<0.001
THM66	0.10	<1	<2	0.003	0.055	0.022	0.003	0.014	0.020	0.002	<0.001

Fig.IV-3-2 Geologic Sketch of Quartz Veins in the Luong Son Mineralization Zone

Table IV-3-1 Characteristics of Quartz Veins in the Luong Son Mineralization Zone

Occurrence	Host rock	Strike and dip	Minerals	sample NO.	width (m)	Ore grade				
						Au	Ag	Cu	Pb	Zn
Vein	Ss	N64°W/72°SW	Qz, Py	LMM1	2.0	<1	<2	0.004	0.031	0.045
Vein	Ss		Qz, Py	LMM2	2.5	<1	<2	0.002	0.008	0.025
Vein	Ss		Qz, Py	LMM3	2.0	<1	<2	0.002	0.013	0.020
Vein	Ss	N38°E/90°	Qz, Py, Cp	LMM4	0.6	49	<2	0.002	0.009	0.007
Vein	Ss	N15°W/90°	Qz, Py	LMM5	1.0	<1	<2	<0.001	0.004	0.019
Vein	Ss	N25°W/90°	Qz	LMM6	2.0	<1	<2	<0.001	<0.001	<0.001
Float	Ss?		Qz	TGM62		<1	<2	0.001	0.009	0.022
Float	Ss?		Qz	TGM63		8	5	0.073	0.080	0.007
Float	Ss?		Qz, Py	TGM65		<1	7	0.008	0.025	0.004
Float	Ss?		Qz	TGM66		<1	<2	<0.001	0.001	<0.001
Float	Ss?		Qz, Lim	TGM67		<1	<2	0.002	0.050	0.006
Float	Ss?		Qz, Lim	TGM68		6	<2	0.001	0.008	0.004
Float	Ss?		Qz	TGM69		<1	<2	0.003	0.009	0.014
Float	Ss?		Qz, Py	TGM70		22	2	<0.001	0.062	0.021
Float	Ss?		Qz	THM54		<1	<2	0.004	<0.001	<0.001
Float	Ss?		Qz	THM55		<1	<2	0.001	<0.001	<0.001
Float	Ss?		Qz	THM56		<1	<2	0.001	<0.001	<0.001
Float	Ss?		Qz	THM57		<1	<2	<0.001	<0.001	<0.001
Vein	Gb	N22°W/90°	Qz	THM58	0.3	<1	<2	0.001	<0.001	0.001
Vein	Gb			THM59	0.3	<1	<2	0.006	0.002	0.056
Vein	Gb	N20°E/70°W	Qz	THM60	0.05	11	<2	0.005	0.016	0.005
Vein	Gb			THM61	0.3	<1	<2	0.001	0.002	0.062
Vein	Gb		Qz	THM62	0.3	1	<2	0.001	0.004	0.085
Float	Ss		Qz	THM63		<1	<2	0.017	0.002	<0.001
Vein	Ms	N32°W/90°	Qz	THM64	0.27	<1	<2	0.002	0.012	0.004
Vein	Ms	N32°W/90°	Qz	THM65	0.13	<1	<2	0.007	0.141	0.034
Vein	Ms	N32°W/90°	Qz	THM66	0.13	<1	<2	0.003	0.055	0.022
Vein	Ss	N70°E/80°N	Qz	TSM51	0.03	53	<2	<0.001	0.002	<0.001
Vein	Ss	N70°E/85°N	Qz	TSM52	0.05	4	<2	<0.001	0.002	0.009
Float	Ss?		Qz	TSM53		14	<2	<0.001	0.012	0.001
Float	Ss?		Qz, Lim	TSM54		1	15	0.014	0.145	0.062
Float	Ss?		Qz	TSM56	0.5	<1	<2	<0.001	0.006	0.005
Vein	Ss		Qz, Py	TSM57	0.3	<1	3	0.039	0.007	0.054
Vein	Ss	E-W/60°S	Qz	TSM58	0.02	1	<2	0.004	0.018	0.024

[Abbreviation]
Ss : sandstone, Ms : mudstone
Gb : gabbro, Qz : Quartz
Py : pyrite, Cp : chalcopytite, Lim : limonite

Au is in ppb, Ag in ppm, and other elementes in percent.

jarosite and alunite were detected as alteration minerals.

3.3. Soil Geochemical Exploration

3.3.1. Objectives

This exploration was carried out in order to extract new potential areas for mineral deposit based on the geochemical characteristics of the survey area.

3.3.2. Sampling and chemical analysis

Soil samples were collected from the residual soil (B-layer) 30 to 40 cm deep from the surface. The sampling lines were laid out every 200 m apart in the northeastern part, where the topography is rather flat. In the other parts the sampling was carried out along the ridges. The sampling interval was every 100 m along the lines and ridges. About 100 g each of samples were collected and a number of samples is 207 in total. The samples were sieved after drying and under 1 mm fraction was sent to the same laboratory as the case of the Suoi Boc Prospect. They were analyzed for 8 elements of Au, Ag, Cu, Pb, Zn, As, Sb, and Hg. Analytical methods used and detection limits of the above elements are the same as those in stream sediment geochemistry in the Van Yen Area described in the Chapter 2 of Part Ⅲ.

3.3.3. Statistical data-processing

(1) Elemental statistics

Analytical values of each element are recorded in Appendix 11. Elemental statistics parameters calculated by anti-logarithm and common logarithm for analytical values are shown in Table Ⅳ-3-2. On the occasion of values below the detection limit, one half of detection limit values were substituted. Au contents are rather high in the area, namely the mean value is 20 ppb and the maximum value is 220 ppb.

(2) Frequency distribution

Histograms of analytical values of each element drawn by logarithm are shown in Figure Ⅳ-3-3. Histograms of elements Cu, Pb, Zn, Sb, and Hg follow log-normal distribution. While those of the rest of elements are classified into the L-shape pattern (Au and Ag) in which most of values are below the detection limit and the irregular pattern (As).

(3) Correlation among elements

Correlation coefficients are shown in Table Ⅳ-3-3. Elements are less correlative in the area. Only combinations of Cu-Pb-Zn and As-Sb show very

Table IV-3-2 Elemental Statistics Parameters in Soil Geochemistry of the Luong Son Mineralization Zone

Antilog	Au	Ag	Cu	Pb	Zn	As	Sb	Hg
Minimum	0.5	0.01	1.9	12.2	13	0.4	16	36
Maximum	220	0.76	301.1	843.8	372	171.1	19.7	228
Average (m)	19.5	0.16	48.8	94.7	54	21.5	2.7	29
Standard deviation (σ)	4.9	0.12	52.9	82.1	93	13.6	3.8	64
PLDL*1	44.4%	48.8%	0%	0%	0%	0%	0%	0%

*1 : Percentage of less than detection limit

Log	Au	Ag	Cu	Pb	Zn	As	Sb	Hg
Minimum	-0.301	-2.000	0.278	1.086	1.114	-1.000	-0.398	1.204
Maximum	2.342	-0.119	2.479	2.926	2.571	2.233	1.294	2.358
Average (m)	0.115	-1.392	1.580	1.773	1.905	0.486	0.499	1.772
Antilog	*1.3*	*0.04*	*38.0*	*59.2*	*80*	*3.1*	*3.2*	*59*
Standard deviation (σ)	0.523	0.668	0.370	0.321	0.249	0.954	0.258	0.168

Table IV-3-3 Correlation Coefficients between Element Pairs in Soil Geochemistry of the Luong Son Mineralization Zone

	Au	Ag	Cu	Pb	Zn	As	Sb	Hg
Au	1							
Ag	-0.164	1						
Cu	-0.093	-0.134	1					
Pb	-0.178	0.065	0.263	1				
Zn	-0.092	-0.127	0.516	0.669	1			
As	-0.033	0.239	-0.050	0.338	0.226	1		
Sb	0.048	0.057	0.225	0.472	0.478	0.507	1	
Hg	-0.142	0.011	0.334	0.329	0.361	0.036	0.221	1

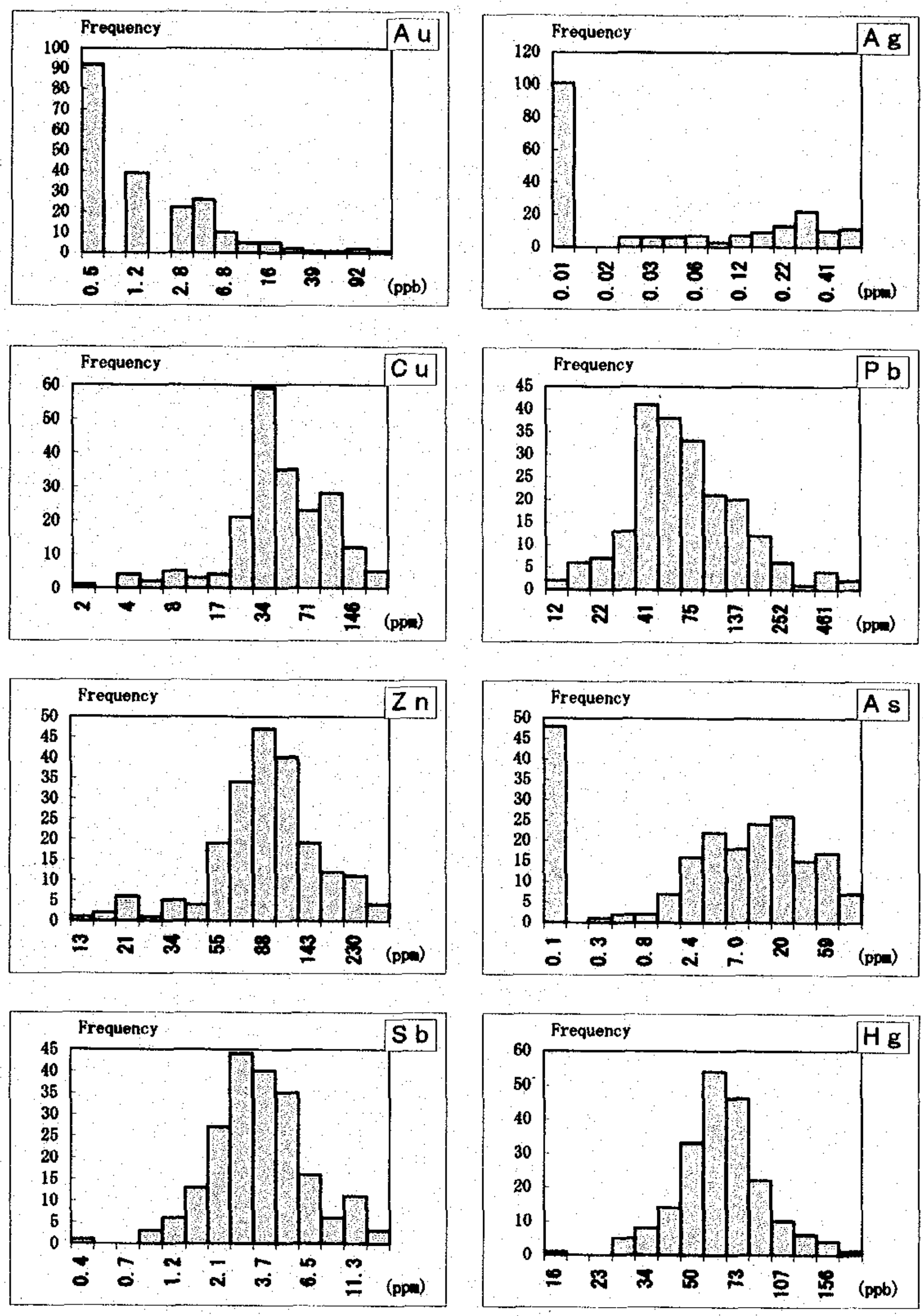


Fig.Ⅳ-3-3 Histograms of Assays on Soil Geochemical Samples Collected in the Luong Son Mineralization Zone weak correlation coefficient. Although Au contents are high in the area, there is no element correlated to Au.

3.3.4. Geochemical anomalies and anomalous zones

(1) Determination of threshold value

In order to determine threshold values, the same method used in the soil geochemical exploration in the Suoi Boc - Suoi Cu mineralization zone (see Chapter 3 in Part Ⅲ) was adopted. Cumulative frequency distribution diagrams of each element drawn on logarithmic probability graph paper are shown in Figure Ⅳ-3-4.

The diagram of Au, though it is a little bit uneven, shows breaking point around 5 ppb. Twenty percent of samples are above 5 ppb, and the anomalies are divided as follows.

Au: weak anomaly (≧5 ppb, <10 ppb)
; value at the breaking point; about 10 % of the whole analytical values
medium anomaly (≧10 ppb, <50 ppb)
; higher 10 % of the whole analytical values
strong anomaly (≧50 ppb)
; higher 2.5 % of the whole analytical values

Since the rest of elements do not show clear breaking point, it is difficult to institute threshold values by the cumulative frequency distribution diagrams. Elements Ag and As are selected as elements possibly related to Au. Threshold values for these elements are instituted considering that ratio of samples nearly meets with the case of Au.

Ag: weak anomaly (≧0.3 ppm, <0.5 ppm)
; higher 20 % of the whole analytical values
strong anomaly (≧0.5 ppm)
; higher 10 % of the whole analytical values

As: weak anomaly (≧20 ppm, <50 ppm)
; higher 20 % of the whole analytical values
medium anomaly (≧50 ppm, <100 ppm)
; higher 10 % of the whole analytical values
strong anomaly (≧100 ppm)
; higher 2.5 % of the whole analytical values

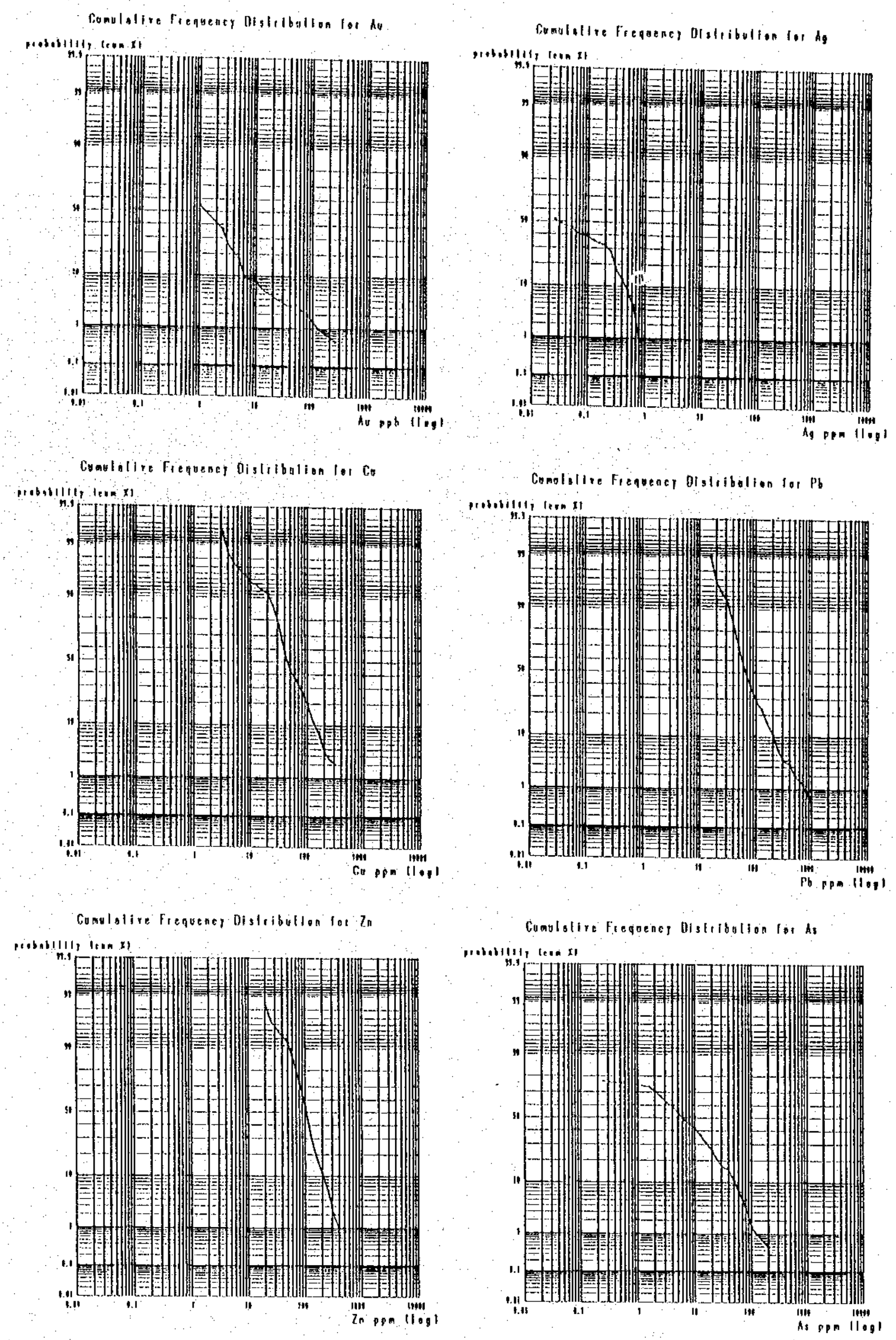
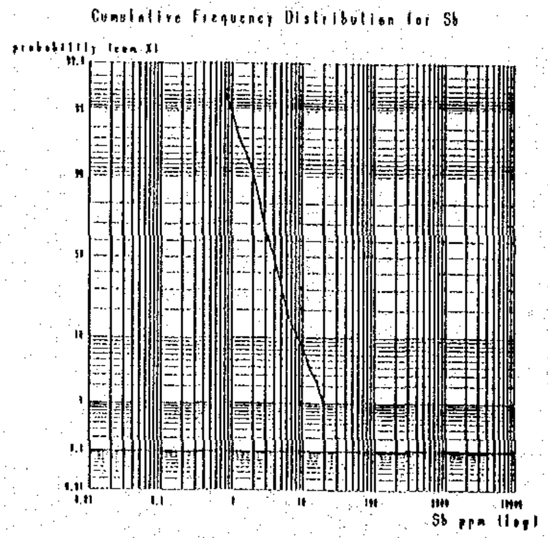


Fig.IV-3-4 Cumulative Frequency Distribution of Assays on Soil Geochemical Samples Collected in the Luong Son Mineralization Zone (1)



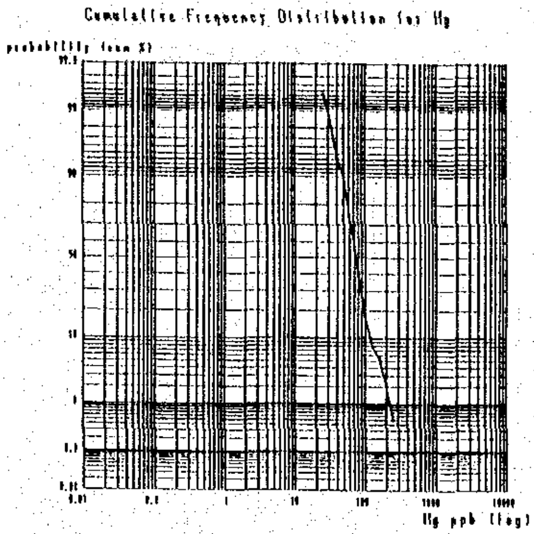


Fig.IV-3-4 Cumulative Frequency Distribution of Assays on Soil Geochemical Samples Collected in the Luong Son Mineralization Zone (2)

(2) Anomalous zones

Anomaly maps for Au, Ag, and As are shown in Appendix 16. Since Au anomalous points are sporadically distributed, it seems unsuitable to delineate anomalous zones by means of iso-content contours. Therefore the same method used in the stream sediments geochemical exploration was adopted to show Au, Ag, and As anomalous zones.

Au anomalous zones are hard to indicate with clear center, because Au anomalous points are sporadically distributed as said above. The anomalous zones are mainly scattered in the lefthand half of the map. These zones are disposed obscurely, but arrangements from northern end to southeast (NW-SE) and oblique one of E-W direction are barely pointed out.

Distribution pattern of Au anomalous zones do not correspond with those of Ag and As. From this point of view, it appears that values of Au do not correlate with those of Ag and As.

3.3.5. Consideration

(1) Results of analysis and statistics

The cumulative frequency distribution diagram of Au in the area shows the L-shape pattern in like manner with other areas. However samples of which values are below the detection limit are 44 % of the whole samples (over 90 % in other areas), and background values are higher than those of other areas.

There is no element correlated to Au on correlation coefficients and on samples above Au threshold value, therefore it is inferred that Au mineralization in the area was not accompanied by other elements.

(2) Relationship with geology and geologic structure

The area is underlain mainly by sandstone and gabbroic intrusive rocks of N-S trend. Abundant quartz veins hosted in these rocks are developed in the area. The veins are of changeful strikes and steep dips, and are observed on outcrops to be unextended and of rather small-scale.

There is no connection between distribution of Au anomalous zones and distribution of host rocks and quartz veins. Furthermore there is no relation between the arrangements (two lines) of Au anomalous zones said above and strikes of quartz veins. Thus disposition of Au anomalous zones is obscure. This may be related to the occurrence that quartz veins in the area are unextended and of changeable width.

However, high Au values of over 50 ppb, over 200 ppb at some points, are detected. These high values may suggest that blind gold-bearing quartz veins exist underneath.

CHAPTER 4. COMPREHENSIVE DISCUSSIONS

4.1. Relationship between Geology, Geologic structure and Mineralization

4.1.1. Regional survey area

The whole area is generally free from any intense sign of mineralization and only one small mineral showing was found as copper mineralization. As a result of the field survey and chemical analysis of collected samples, it can be stated that no significant mineralization of other metallic elements is present in the area. The igneous activities of the area are initiated by the Late Triassic gabbroic intrusion, followed by intense Jurassic (?) felsic volcanism, and ended in granitic intrusion of Late Cretaceous to Paleogene age.

The Western Muong Ly mineral showing, the only one showing of this area, comprises copper-bearing quartz veins hosted by the Middle Triassic sedimentary rocks (T_2a). However, felsic pyroclastic rocks of the Undiscriminated Jurassic (J?) widely occur surrounding the showing. Additionally some granitic bodies of Late Cretaceous to Paleogene age (γ_6) intruded into an area to the east of this showing. Therefore, the copper mineralization is believed to be associated with either felsic volcanic or granitic activity. The veins have NE-SW strikes, but no conspicuous fault of the same system is developed near the showing. Thus, the quartz veins are interpreted to be controlled not by the regional structure but by the local one.

4.1.2. Detailed survey area

The Luong Son Mineralization Zone is located about 7 km west-northwest of the Bu Me Prospect which is the most representative tin-tungsten mineralization zone in the Phase I area. This Zone is characterized by concentrating hydrothermal gold-bearing quartz veins hosted mainly by Middle Triassic sedimentary rocks (T_2a). A wide acidic hydrothermal alteration zone (kaolinite and alunite) occurs in the central part of the Zone. There is no clear relationship between gold and the above tin-tungsten mineraiization of the Bu Me Prospect. One of the spatial characteristics is that the gold-bearing quartz veins do not occur in and around the granitic bodies but in the area at distance of 1 to 3 km from the bodies. Localities where gold grains were confirmed in panned concentrate of Phase I, however, are near the granitic bodies. These facts support the idea that the formation of gold-bearing quartz veins can be associated with the granitic 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 outside the tin-tungsten mineralization as a zonal distribution.

The gold-bearing quartz veins are considered to have no genetic relation to gabbroic bodies in this area, in view of the magmatic differentiation features of gabbro.

4.2. Relationship between Geochemical Anomalies and Mineralization

4.2.1. Regional survey area

Regarding eleven elements examined, one to five anomalous zones for each element were recognized in the whole survey area. However, threshold values of ten elements except for Hg are merely one to three times of the average composition of rocks concerned. Furthermore, localities of those anomalies are generally scattered. From these facts, it is hard to mention that geochemical anomalies of those elements have originated in mineralization. With regard to element Hg, strong to medium anomalous zones were found in the eastern and southeastern parts of this area. Since the values of these anomalies are as high as ten to one hundred times as compared with the values in background, it should be considered that the element Hg has been supplied for some reason in the anomalous zones of the area.

4.2.2. Detailed survey area

As a result of the soil geochemical exploration in the Luong Son Mineralization Zone, four strong anomalous zones for Au (Au≧50 ppb) were detected in the northwestern part of the survey area. The maximum content of Au is as high as 220 ppb. These anomalous zones do not extend in the specified trends because the zones are sporadically scattered. However, it can be inferred that the zones are aligned in two major direction of NW-SE and E-W, when the anomalies are roughly connected. Additionally one anomalous zone was recognized within the acidic hydrothermal alteration zone. These anomalous zones are believed to imply gold mineralization in view of high Au contents of the anomalies.

4.3. Mineral Potential

4.3.1. Regional survey area

The lead-zinc, tin-tungsten, and copper are the metals which can be expected to be concentrated to form economic deposits in this survey area.

(1) Lead-zinc deposits

The details of this mineralization are not clear because the adequate survey and study for this mineralization have not been carried out in the course of the present survey. Nevertheless, there is small mineral potential of lead-zinc in this area since no anomalous zone related to the mineralization was detected by the stream sediment geochemistry.

(2) Tin-tungsten deposits

A few Sn and W geochemical anomalies (stream sediment) were recognized in the periphery of a granitic body located in the southeastern part of the area, but the values of those anomalies themselves were low ($Sn \geq 13$ ppm, $W \geq 60$ ppm). The cassiterite grains were confirmed from panned concentrate samples collected from the localities near the above anomalies. However, the mineralization is weak in that body and there is small mineral potential of tin and tungsten for minable scale.

(3) Copper

The gabbroic bodies widely occur in the northern part of this area, however, there is very small mineral potential of copper because of no phenomenon which implies the copper mineralization.

4.3.2. Detailed survey area

Abundant quartz veins occur in the Luong Son Mineralization Zone. Gold contents are generally low, but some veins show Au grade of 0.2 g/t. In addition to this many floats of quartz vein were found in the whole survey area. The soil geochemical exploration carried out during the survey of this phase resulted in detection of four strong anomalous zones for Au ($Au \geq 50$ ppb) in the northwestern part of the area. Furthermore, gold grains were confirmed from panned concentrate samples at three localities where quartz veins are exposed in the upper reaches of the streams. From these data, it is said that this mineralization zone has mineral potential for gold with possibilities of finding deposits near the geochemical anomalous zones other than the known gold-bearing quartz veins. However, any regularities on dimensions and strikes are not recognized in the known quartz veins, and contents of gold in the quartz veins are generally low. Additionally the geochemical anomalous zones are sporadically scattered. Thus, it is inferred that possible blind gold-bearing quartz veins will be in poor continuity and of low grade in gold, even though some gold-bearing quartz veins would be embedded underneath near the geochemical anomalous zones.

CHAPTER 5. CONCLUSIONS AND RECOMMENDATIONS

5.1. Conclusions

The survey of this phase consists of 1) regional geological survey and 2) detailed geological survey. The areas concerned and amount of works are as follows.

1) Regional geological survey: the area on the west of the Phase I area

- Areal extent : 650 km^2
- Stream sediments : 469 samples
- Panned concentrates: 120 samples

2) Detailed geological survey: the Luong Son Mineralization Zone

- Areal extent : 4 km^2
- Soil : 207 samples
- Panned concentrates: 15 samples

The above field survey and subsequent analysis led to the following conclusions.

5.1.1. Regional geological survey

(1) This survey area is situated at the northern edge of the "Truongson" tectonic province. The area is underlain by the Cambrian metamorphic basement, the unconformably overlying Ordovician to Triassic metamorphic rocks and marine and continental sedimentary rocks, a large amount of Jurassic pyroclastic rocks (partly interbedded with sedimentary rocks), and unconsolidated Quaternary sediments. With regard to intrusive rocks, Late Triassic gabbros, Late Cretaceous to Paleogene granitic rocks occur widely in the northern to southeastern part of the area.

(2) The metamorphic, sedimentary, and pyroclastic rocks which constitute this area generally have NW-SE to WNW-ESE structural trend. The trend is roughly controlled by the major one of the "Truongson" province. It appears that these rocks consist of a series of folds with the same trend of axes as that of the "Truongson". In the northern half of the area, faults are developed in the WNW-ESE direction, and the granitic bodies also extend in this direction. In the southern half of the area, on the other hand, faults of four systems represented by E-W, NW-SE, NE-SW, and N-S occur in a complex pattern.

(3) The mineralization is very weak in the whole area and no remarkable mineralization was found except for only one locality of copper mineral showing. The Western Muong Ly mineral showing comprises four copper-bearing quartz veins within an area of about 20 m width. The veins are hosted by Middle Triassic conglomerate and sandstone with the maximum width being 7 cm. In view of the small dimensions of the showing and low content of copper (0.69 %), the showing is not noteworthy for copper mineralization.

(4) The stream sediment geochemical exploration revealed that no anomalous zone related to significant mineralization was detected with regard to all eleven elements employed.

(5) Judging from the data on geology, mineralization, and geochemistry, no further exploration is needed in this regional survey area.

5.1.2. Detailed geological survey

(1) The Luong Son Mineralization Zone is underlain mainly by the Middle Triassic sandstone, Jurassic (?) dacitic crystal tuff, and Late Triassic intrusive gabbro. The sandstone occurs in a major part of the area and extends generally in the NNW-SSE direction. The strata are inferred to consist of a series of folds with about 2 km wavelength. The gabbroic bodies intruded into sandstone area and extend roughly in the N-S direction.

(2) The gold-bearing hydrothermal quartz veins are concentrated in this Mineralization Zone. They are hosted by the Middle Triassic sandstone and mudstone as well as Late Triassic gabbroic bodies. During Phase I survey, three sites of quartz vein were examined and the chemical analysis of the collected samples revealed that the highest content of gold was 0.24 g/t. Eight outcrops and 15 float zones of quartz vein were newly discovered through the detailed survey of this phase. The highest content of gold obtained is 0.05 g/t, as a result of chemical analysis for samples collected from those localities. The hydrothermal alteration zone with kaoline minerals occurs on the east of a gabbroic body located in the central part of this area. The zone was disclosed to be of about 600 m width and extends roughly in the N-S direction through the present detailed survey.

(3) As a result of the soil geochemical exploration, four strong anomalous zones for Au (Au≧50 ppb) were detected in the northwestern part of the area. No remarkable trend of zones is recognized because the zones are sporadically scattered. However, judging from high Au contents of the anomalies, the

anomalous zones are believed to imply gold mineralization. Therefore, it can be stated that this area has mineral potential for gold with possibilities of finding gold-bearing quartz veins near the anomalous zones other than the known veins.

5.2. Recommendations for Phase Ⅲ Survey

The following work is recommended for Phase Ⅲ survey on the basis of the conclusions reached during Phase Ⅰ and Phase Ⅱ survey.

(1) Trenching on the Au soil geochemical anomalous zones for the Luong Son Mineralization Zone in order to assess the mineral potential, particularly to discover new gold-bearing quartz veins

(2) Detailed geological survey for the Coc Thuong mineralization zone and the surrounding area which is located in the southeastern part of the Phase Ⅰ area ; Quartz veins are concentrated in this zone where the presence of gold was confirmed at some places. In addition to this, stream sediment geochemical anomalies for Au and Cu are found to occur concentrated over this zone. Thus, this zone is promising for finding gold deposits.

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APPENDIX

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

Intrusive Rocks 1

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	Ag	Ac	Se	Ta	Sp	Ep	Ch	Ca	M	others
Van Yen	VMT 51	altered diorite	gra			◎	△		○																	△	△		
	VMT 54	dunite (serpentinization)	euh gra			△	△										△							◎					
	VMT 57	gabbro	oph	△		○	△		◎			△			△										△				
	VGT 51	dolerite	por			◎					○								△		△					○	△		
	VGT 52	peridotite	gra				△													○				◎					○
	VGT 58	dolerite	por			○	△				△	○	△								△			△		△			
	VGT 60	gabbro	gra			◎						△			△						◎				△	△	△		
	VGT 61	biotite tonalite	gra	○	△	◎	△												△										
	VGT 62	biotite granite	gra	○	○	○										△			△										
	VGT 66	two mica granite	gra	○	○		△									△						○							
	VGT 69	biotite tonalite	gra	○	△	◎	△								△	△													
	VGT 71	granite	gra	○	△	◎																				△			
	VGT 81	serpentinite (?)	euh gra				△					○												◎					
	VGT 93	peridotite	euh gra			△	△					○					△							◎					
	VAT 51	dunite	euh gra		△															○				◎		△			
	VAT 56	feldspar dunite	euh gra			○	△													○				◎					
	VAT 57	feldspar peridotite	euh gra		△	○	△													○				◎					
	VAT 61	dolerite	por	△															○								◎		
	VAT 63	gabbro/peridotite	euh gra			○	△													○				◎					
	VST 51	dolerite	oph			○	△		○											◎							△		
	VST 52	quartz syenite	por	○	◎		△									△						○							
	VBT 54	peridotite	oph			○	△						◎							○									
	VBT 55	dunite	euh gra				△													○				◎					

Texture : euh gra;euhedral granular, gra;granular, sub-gra;subgranular, oph;ophitic, suboph;subophitic, por;porphyritic
Aboundance of mineral : ◎;abundant, ○;common, △;scarce
Abbreviation : Qz;quartz, Kf;K-feldspar, Pl;plagioclase, Bt;biotite, Am;amphibole, Hr;hornblende, Aa;alkali amphibole, Op;ortopyroxene
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, Ag;aegirine, Cz;clinozoisite, Go;goethite
;alteration minerals

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

Intrusive Rocks 2

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	Ag	Ac	Se	Ta	Sp	Ep	Ch	Ca	M	others
Thanh Hoa	TMT 52	gabbro-diabase	sub-gra			◎						○	△								△								
	TMT 53	brecciated gabbro	gra			◎						○																	
	TMT 55	biotite granite	gra	○	△	○	○									△									△				
	TGT 51	biotite granite	gra	○	△	○	△								△	△									△	△			
	TGT 56	granite	gra	○	◎	△										△						△			△	△			
	TGT 60	two mica granite	gra	○	△	○	△																						
	TGT 64	gabbro (fine-medium grained)	oph			◎						○									△				△				
	TAT 51	gabbro	gra			○			◎			△													△				
	TAT 55	diabase	oph			△						◎													△				
	TST 52	biotite granite	gra	△	○	△	△								△	△						△				△			
	TBT 51	granite	gra	○	△	◎			△						△							△			△	△			
	TBT 52	granite	euh gra	△	◎	△	△		△							△													
	TBT 58	dacite porphyry	por	◎	○		△															△							
	TBT 60	biotite granite	euh gra	○	○	△	△									△													
	TBT 64	biotite granite	euh gra	△	△	◎									△										△				
	TBT 68	biotite granite	euh gra	○	○	△	△									△													

Texture : euh gra:euhedral granular, gra:granular, sub-gra:subgranular, oph:ophitic, suboph:subophitic, por:porphyritic
Aboundance of mineral : ◎:abundant, ○:common, △:scarce
Abbreviation : Qz:quartz, Kf:K-feldspar, Pl:plagioclase, Bt:biotite, Am:amphibole, Hr:hornblende, Aa:alkali amphibole, Op:ortopyroxene
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, Ag:aegirine, Cz:clinozoisite, Go:goethite
:alteration minerals

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

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	VAT 62	olivine basalt	micro-por			△				△		△				◎		○														
Thanh Hoa	TGT 59	rhyorite	por	△	△	△	△							○	○		△										△	△				
	THT 54	dacite porphyry	por	△		△								◎	△	△	△		△					△			△	△		△		
	TAT 52	dacite porphyry	por	△	△	△	△							◎	△	△								△				△				
	TAT 56	dacite porphyry	por	△		△								○	○									△			△	△				
	TST 51	dacite porphyry	por	△		△								◎	○	△	△		△					△				△				
	TST 53	pyroxene basalt	micro poikilitic			○					◎																△					
	TST 54	dacite porphyry	por	△		○								◎	△	△	△		△													
	TBT 53	dacite porphyry	por	△										◎	△	△	△															
	TBT 55	dacite porphyry	por	△	△	△	△							◎		△	△							△								
	TBT 56	dacite porphyry	por	△		△								◎		△	△							△								
	TBT 57	dacite porphyry	por	△	△	△								◎		△	△															
	TBT 62	dacite porphyry	por	△	△	△								◎			△													△		

Texture : por:porphyyritic, tra:trachytic
Aboundance of mineral : ◎:abundant, ○:common, △:scarce
Abbreviation : Qz:quartz, Kf:K-feldspar, Pl:plagioclase, Bt:biotite, Am:amphibole, Hr:hornblende, Op:ortopyroxene, 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 (4)

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 52	sandstone	clastic	◎		△				△	◎		△			△		△		△			
	VMT 53	calcareous mudstone	clastic	△						△									△	◎			△
	VMT 56	sandstone	clastic	○		○			△		△	○		△									△
	VGT 89	feldspar limestone	clastic			△														◎			
	VAT 64	sandstone	clastic	◎		△					◎		△	△		△		△	△				
	VAT 65	calcareous clay/siltstone	clastic	○		△													○	○	○		○
	VAT 66	sandstone	clastic	◎	△	△					◎	△	△	△		△		△	△				△
	VAT 67	quartz sandstone	clastic	◎		△	△	△											△		△		△
	VAT 68	siltstone	clastic	◎		△	△			△	△						△			○			
	VAT 70	quartz sandstone	clastic	◎		△		△			△			△					△				
Thanh Hoa	TMT 51	siltstone (pressed)	clastic	◎	△	△								△						△			
	TAT 53	sandstone (polymictic)	clastic	◎	△	△					△			△	△								
	TAT 54	coarse sandstone	clastic	◎		△	△				△			△									

Aboundance 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 (5)

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	VMT 55	biotite gneiss	cataclastic	○		◎		△						△		△		△		△					
	VMT 58	biotite gneiss	cataclastic	○		◎		○								△		△		△			△		
	VGT 54	quartz biotite schist	por-blastic	◎				△						△			△								
	VGT 55	biotite gneiss (gneiss of granite)	blastic	○	△	○		△									△	△							
	VGT 65	quartz biotite hornfels	grano-blastic	◎				○										△							
	VGT 68	quartz biotite feldspar schist	porphyro-blastic	△		◎		○								△		△							
	VGT 70	feldspar amphibole schist	grano- blastic	△		○		△		◎										△					
	VAT 69	biotite quartz hornfels	grano- blastic	◎		△		△										△				△	△	△	
Thanh Hoa	TMT 54	Actinolite feldspar schist	platy-blastic			◎				○										△				△	
	TGT 55	feldspar hornblend hornfels	grano-platy-blastic			◎					○	△													
	TGT 61	mylonite	mylonitic			◎				○										△					
	TAT 57	gneiss of granodiorite	oph+ cataclastic	○	△	◎											△	△					△		
	TBT 61	hornfels	por-blastic	△		◎		△		△															
	TBT 67	biotite gneiss (gneiss of granodiorite)	cataclastic	○	△	○		△															△		

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

Abbreviation : Qz;quartz, Kf;K-feldspar, Pl;plagioclase, Al;albite, Bt;biotite, Am;amphibole, Ac;actinolite
Hr;nornblend, 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. Microscopic Observations of Polished Sections of Ores (1)

Area	Sample No.	Locality	Minerals Determined																		
			Py	Cp	Go	Il	Sc	Co	Ga	An	Ce	Sp	Ca	Wo	Mo	Ba	Po	Mt	Cc	Qz	CM
Van Yen	VMP 55	Ban Coi	△	△																◎	
	VGP 56	Kiet Son	△		tr													tr		◎	
	VGP 63	Suoi Lang			○															◎	
	VGP 85	Suoi Can							◎												
	VGP 90	Suoi Can							△											◎	
	VAP 56	Muong Do		tr														tr		◎	
	VAP 57	Muong Do			○															◎	
	VAP 58	Suoi Tioun	tr																		◎
	VAP 59	Suoi Tioun	tr	tr													tr				◎
	VAP 60	Suoi Tioun	tr														△				◎
	VAP 61	Suoi Tioun	tr														tr			◎	
	VAP 62	Suoi Nghi			tr															◎	
	VAP 63	Suoi Nghi																△			
	VAP 64	Suoi Nghi	△																	◎	
	VAP 65	Suoi Nghi																		◎	
	VAP 66	Song Da	tr																	◎	
	VAP 67	Song Da	△																	◎	
	VAP 68	Suoi Lai	△																	◎	
Suoi Boc	VAP 51	Suoi Boc																			◎
	VAP 52	Suoi Boc																			◎
	VAP 53	Suoi Boc																			◎
	VAP 54	Suoi Boc																			◎
	VAP 55	Suoi Boc																			◎

Abbreviation: Py;Pyrite Cp;Chalcopyrite Go;Goethite Il;Ilmenite Sc;Scorodite Co;Covelline Ga;Galena An;Anglesite Ce;Cerussite Sp;Sphalerite Ca;Cassiterite Wo;Wolframite Mo;Monazite Ba;Barite Po;Pyrrhotite Mt;Magnetite Cc;Chalcocite Qz;Quartz CM;Carbonate minerals

abundance of minerals : ◎;abundant ○;common △;few tr;trace

2. Microscopic Observations of Polished Sections of Ores (2)

Area	Sample No.	Locality	Minerals Determined																		
			Py	Cp	Go	Il	Sc	Co	Ga	An	Ce	Sp	Ca	Wo	Mo	As	Po	Mt	Cc	Qz	CM
W. Thanh Hoa	TGP 53	Lang Tu	△		△																
	TGP 54	Lang Tu	△	tr																	
	THP 53	Muong Ly		△															△	◎	
	TAP 51	Lang Trang	tr														△			◎	
	TAP 52	Ban Kem	△																		
	TAP 53	Ban Kem	tr																	◎	
	TAP 54	Ban Kem	tr																	◎	
	TAP 55	Ban Hua Na	△	tr														tr			
Luong Son	LMP 1	Luong Son																		◎	
	LMP 4	Luong Son	tr	tr																	
	LMP 5	Luong Son																		◎	
	TGP 63	Luong Son	△	tr					tr											◎	
	TGP 65	Luong Son	△																		
	TGP 70	Luong Son	△																	◎	

Abbreviation: Py;Pyrite Cp;Chalcopyrite Go;Goethite Il;Ilmenite Sc;Scorodite Co;Covelline Ga;Galena An;Anglesite Ce;Cerussite Sp;Sphalerite Ca;Cassiterite Wo;Wolframite Mo;Monazite As;Arsenopyrite Po;Pyrrhotite Mt;Magnetite Cc;Chalcocite Qz;Quartz CM;Carbonate minerals

abundance of minerals : ◎;abundant ○;common △;few tr;trace

3. List of Minerals Determined by X-Ray Diffraction

No.	Sample No.	Remarks	Rock unit	Clay Minerals: Se	Ch	Kl	Sulp m.: Gy	Carb m.: Ca	Do	Silica m.: Qz	Feld. m: Pl	Kf	Miscellaneous m.: Ga	Ce	Py	Go	Hm	Ho	Remark
Van Yen Area																			
1	VGX 56	Silicified sandstone	D_2			•	•			◎					•				
2	VGX 63	Silicifed rock	PR_1	•						○						○	•		
3	VGX 84	White argillized rock	D_2					◎		◎			◎	•					Suoi Can M.Z
4	VGX 86	White argillized rock	D_2					◎		◎			○	△					Suoi Can M.Z
5	VGX 89	Silicified limestore	D_2					◎	○	△	○								Suoi Can M.Z
6	VGX 91	Limestore	D_2					◎	◎										Suoi Can M.Z
Western Thanh Hoa Area																			
1	TGX 53	Biotite schist	O_3		○					◎	◎	○			△				
2	TGX 67	Alterd sandstone	T_2a	•		•				◎									Luong Son M.Z
3	TGX 70	Altered sandstone	T_2a	•						◎					△				Luong Son M.Z
4	TAX 51	Altered granite	ν_4		○				○	○	○	△						△	
5	TAX 52	Altered rock	J?	△		•				◎		○							
6	THX 51	Altered rock	T_2a	△		•				◎	○	○							Luong Son M.Z
7	THX 52	Altered gabbro	ν_4	△	◎					◎									Luong Son M.Z
8	THX 53	Altered gabbro	ν_4	△	◎					◎	•	•?							Luong Son M.Z
9	THX 54	black mudstone	T_2a	•		•				◎									Luong Son M.Z
10	THX 55	black mudstone	T_2a			•				◎									Luong Son M.Z
11	TBX 53	Siliciteid mudstone	T_2a	•		△				◎		○							

Abbreviation
◎:abundant, ○:common, △:few, •:rare
Se:sericite, Ch:chlorite, Kl:kaoline, Gy:gypsum, Ca:calcite, Do:dolomite, Qz:quartz, Pl:plagioclase, Kf:K-feldspar, Ga:galena
Ce:cerussite, Py:pyrite, Go:goethite, He:hematite, Ho:hornblende, Sulp m.:sulphate mineral, Carb m.:carbonate mineral,
Silica m:silicate mineral, Feld m.:feldsper mineral, M.Z:mineralizatione zone

4. Ore Assay Results (1)

No.	Sample No. Unit	Au ppb	Ag ppm	Cu %	Pb %	Zn %	Ni %	Cr %	Mn %	Pt ppb
1	VMM 51	< 2	< 2	< 0.001	< 0.001	0.004	0.001	<0.001	0.010	< 5
2	VMM 52	< 2	< 2	< 0.001	0.002	0.005	0.001	0.030	0.003	< 5
3	VMM 53	< 2	< 2	< 0.001	0.004	0.019	0.003	0.030	0.009	< 5
4	VMM 54	< 2	< 2	0.004	0.002	0.024	0.130	0.152	0.116	15
5	VMM 55	< 2	< 2	0.456	0.017	< 0.001	0.003	0.038	0.053	< 5
6	VMM 60	< 2	< 2	< 0.001	0.002	0.018	0.003	0.004	0.056	< 5
7	VMM 61	< 2	< 2	0.001	< 0.001	0.034	0.006	0.044	0.109	< 5
8	VGM 52	< 2	< 2	0.010	< 0.001	0.024	0.081	0.102	0.118	10
9	VGM 56	< 2	< 2	0.002	0.002	< 0.001	0.002	0.032	0.008	< 5
10	VGM 57	< 2	< 2	< 0.001	< 0.001	0.001	0.002	0.057	0.010	< 5
11	VGM 59	< 2	< 2	0.012	< 0.001	< 0.001	0.001	0.025	0.006	< 5
12	VGM 60	< 2	< 2	0.007	0.002	0.047	0.010	0.012	0.161	< 5
13	VGM 63	< 2	< 2	< 0.001	0.008	0.048	0.014	0.015	0.409	< 5
14	VGM 64	< 2	< 2	0.002	< 0.001	< 0.001	0.002	0.031	0.023	< 5
15	VGM 81	< 2	< 2	0.011	< 0.001	0.026	0.133	0.167	0.108	< 5
16	VGM 82	< 2	< 2	< 0.001	0.713	0.002	0.133	0.002	0.007	< 5
17	VGM 83	< 2	< 2	< 0.001	0.019	0.010	0.133	< 0.001	0.012	< 5
18	VGM 87	< 2	< 2	0.007	8.861	0.012	< 0.001	0.016	0.007	< 5
19	VGM 93	< 2	< 2	0.005	0.197	0.026	0.114	0.169	0.103	15
20	VAM 51	< 2	< 2	< 0.001	< 0.001	0.004	< 0.001	< 0.001	0.010	< 5
21	VAM 52	< 2	< 2	< 0.001	< 0.001	0.003	0.111	0.108	0.136	< 5
22	VAM 53	< 2	< 2	< 0.001	< 0.001	< 0.001	0.111	0.108	0.136	< 5
23	VAM 54	< 2	< 2	< 0.001	< 0.001	< 0.001	0.111	0.108	0.136	< 5
24	VAM 55	< 2	< 2	< 0.001	< 0.001	0.004	0.111	0.108	0.136	< 5
25	VAM 56	< 2	< 2	0.005	< 0.001	0.052	0.111	0.108	0.136	15
26	VAM 57	< 2	< 2	< 0.001	0.026	0.201	0.019	0.039	0.178	< 5
27	VAM 58	< 2	< 2	0.012	< 0.001	< 0.001	< 0.001	< 0.001	0.030	< 5
28	VAM 59	< 2	< 2	0.007	< 0.001	< 0.001	< 0.001	< 0.001	0.026	< 5
29	VAM 60	< 2	< 2	< 0.001	0.002	0.018	0.003	0.004	0.056	< 5
30	VAM 61	< 2	< 2	0.001	< 0.001	0.034	0.006	0.044	0.109	< 5
31	VAM 62	< 2	< 2	< 0.001	< 0.001	< 0.001	0.002	0.017	0.007	< 5
32	VAM 64	< 2	< 2	< 0.001	< 0.001	<0.001	0.002	0.021	0.003	< 5
33	VAM 65	< 2	< 2	< 0.001	< 0.001	< 0.001	0.002	0.017	0.010	< 5
34	VAM 66	< 2	< 2	< 0.001	0.002	0.001	0.002	0.015	0.029	< 5
35	VAM 67	< 2	< 2	0.002	0.003	0.014	0.002	0.006	0.025	< 5
36	VAM 68	< 2	< 2	< 0.001	< 0.001	0.004	< 0.001	0.017	0.153	< 5
37	VSM 51	< 2	< 2	0.005	< 0.001	0.018	0.034	0.112	0.143	5
38	VBM 51	< 2	< 2	0.004	0.018	0.003	0.001	0.015	0.067	< 5
39	VBM 52	< 2	< 2	< 0.001	< 0.001	0.001	0.003	0.028	0.017	< 5
40	VBM 53	< 2	< 2	< 0.001	< 0.001	<0.001	0.001	0.026	0.005	< 5
41	VBM 54	< 2	< 2	0.008	< 0.001	0.036	0.118	0.159	0.122	10
42	VBM 55	< 2	< 2	0.005	< 0.001	0.031	0.111	0.133	0.115	10
43	H1 -1	< 2	< 2	0.009	0.003	0.019	0.096	0.183	0.135	15
44	H2 -2	< 2	< 2	0.017	0.002	0.005	0.052	0.245	0.088	40
45	H3 -1	< 2	< 2	0.011	0.008	0.005	0.033	0.245	0.072	35
46	H4	< 2	< 2	0.055	0.002	0.005	0.044	0.231	0.072	35
47	H5	< 2	< 2	0.015	0.002	0.006	0.036	0.258	0.075	20

4. Ore Assay Results (2)

Western Thanh Hoa Area

No.	Sample No. Unit	Au ppb	Ag ppm	Cu %	Pb %	Zn %	Ni %	Cr %	Mn %	Sn %	W %
1	TGM 53	5	<2	0.005	0.016	0.047	0.006	0.016	0.065	0.001	<0.001
2	TGM 54	1	<2	0.002	0.014	0.036	0.004	0.020	0.041	<0.001	<0.001
3	TGM 58	<1	<2	<0.001	0.003	0.002	<0.001	0.063	0.005	<0.001	0.002
4	TGM 62	<1	<2	0.001	0.009	0.022	0.003	0.057	0.140	<0.001	0.002
5	TGM 63	8	5	0.073	0.080	0.007	<0.001	0.031	0.005	<0.001	0.002
6	TGM 65	<1	7	0.008	0.025	0.004	0.002	0.058	0.005	<0.001	0.002
7	TGM 66	<1	<2	<0.001	0.001	<0.001	<0.001	0.024	0.006	<0.001	<0.001
8	TGM 67	<1	<2	0.002	0.050	0.006	0.002	0.017	0.009	<0.001	0.002
9	TGM 68	6	<2	0.001	0.008	0.004	<0.001	0.034	0.021	<0.001	<0.001
10	TGM 69	<1	<2	0.003	0.009	0.014	0.002	0.037	0.102	<0.001	0.001
11	TGM 70	22	2	<0.001	0.062	0.021	0.002	0.025	0.011	<0.001	<0.001
12	THM 51	<1	<2	0.146	0.001	0.002	<0.001	0.023	0.008	<0.001	0.001
13	THM 52	4	<2	0.290	0.003	0.005	0.001	0.029	0.010	<0.001	0.001
14	THM 53	<1	3	0.691	0.002	0.019	<0.001	0.017	0.007	<0.001	<0.001
15	THM 54	<1	<2	0.004	<0.001	<0.001	<0.001	0.026	0.004	<0.001	<0.001
16	THM 55	<1	<2	0.001	<0.001	<0.001	<0.001	0.023	0.004	<0.001	0.002
17	THM 56	<1	<2	0.001	<0.001	<0.001	0.002	0.036	0.014	<0.001	<0.001
18	THM 57	<1	<2	<0.001	<0.001	<0.001	<0.001	0.018	0.005	<0.001	<0.001
19	THM 58	<1	<2	0.001	<0.001	0.001	0.002	0.027	0.052	<0.001	<0.001
20	THM 59	<1	<2	0.006	0.002	0.056	0.013	0.067	0.066	<0.001	0.003
21	THM 60	11	<2	0.005	0.016	0.005	0.003	0.030	0.102	<0.001	0.002
22	THM 61	<1	<2	0.001	0.002	0.062	0.008	0.036	0.094	<0.001	0.003
23	THM 62	1	<2	0.001	0.004	0.085	0.003	0.003	0.073	<0.001	0.001
24	THM 63	<1	<2	0.017	0.002	<0.001	<0.001	0.039	0.005	<0.001	0.002
25	THM 64	<1	<2	0.002	0.012	0.004	<0.001	0.022	0.003	<0.001	<0.001
26	THM 65	<1	<2	0.007	0.141	0.034	0.004	0.017	0.026	0.001	<0.001
27	THM 66	<1	<2	0.003	0.055	0.022	0.003	0.014	0.020	0.002	<0.001
28	TAM 51	<1	<2	0.009	0.003	0.088	0.009	0.031	0.034	<0.001	0.003
29	TAM 52	<1	<2	<0.001	0.003	0.034	0.003	0.012	0.032	<0.001	0.001
30	TAM 53	<1	<2	0.019	0.002	0.009	0.007	0.049	0.022	<0.001	0.001
31	TAM 54	<1	<2	<0.001	0.009	0.027	0.001	0.011	0.006	<0.001	<0.001
32	TAM 55	1	<2	<0.001	0.007	0.044	0.001	0.014	0.042	<0.001	<0.001
33	TSM 51	53	<2	<0.001	0.002	<0.001	<0.001	0.018	0.003	<0.001	0.001
34	TSM 52	4	<2	<0.001	0.002	0.009	0.002	0.025	0.003	<0.001	0.001
35	TSM 53	14	<2	<0.001	0.012	0.001	<0.001	0.024	0.008	<0.001	0.001
36	TSM 54	1	15	0.014	0.145	0.062	0.024	0.013	12.169	<0.001	<0.001
37	TSM 56	<1	<2	<0.001	0.006	0.005	0.001	0.021	0.069	<0.001	<0.001
38	TSM 57	<1	3	0.039	0.007	0.054	0.006	0.018	1.339	<0.001	<0.001
39	TSM 58	1	<2	0.004	0.018	0.024	0.007	0.031	0.434	<0.001	<0.001
40	TSM 60	<1	<2	<0.001	0.004	0.011	0.001	0.038	0.019	<0.001	0.002
41	LMM 1	<1	<2	0.004	0.031	0.045	0.003	0.033	0.010	<0.001	<0.001
42	LMM 2	<1	<2	0.002	0.008	0.025	0.003	0.038	0.140	<0.001	<0.001
43	LMM 3	<1	<2	0.002	0.013	0.020	0.002	0.016	0.010	<0.001	<0.001
44	LMM 4	49	<2	0.002	0.009	0.007	0.001	0.036	0.008	<0.001	0.002
45	LMM 5	<1	<2	<0.001	0.004	0.019	<0.001	0.021	0.008	<0.001	<0.001
46	LMM 6	<1	<2	<0.001	<0.001	<0.001	<0.001	0.018	0.003	0.002	0.002

5. Results of Whole Rock Analysis (1)

Van Yen Area

Sample No.	1	2	3	4	5	6	7	8	9	10	11	12	13
	VMR51	VMR54	VMR57	VGR51	VGR52	VGR60	VGR61	VGR62	VGR66	VGR69	VGR71	VGR81	VGR93
SiO_2	42.98	39.49	49.24	49.31	44.08	45.85	72.34	71.39	77.23	72.34	76.55	43.25	41.72
TiO_2	2.20	0.59	1.99	2.54	0.97	1.09	0.16	0.31	0.09	0.21	0.02	0.81	0.92
Al_2O_3	10.41	4.53	12.27	12.38	8.31	13.98	14.23	14.01	11.50	13.61	12.59	7.12	6.61
Fe_2O_3	3.02	5.78	4.56	1.26	3.36	4.16	1.54	1.13	1.03	1.09	0.39	1.73	2.00
FeO	8.32	5.87	12.97	9.17	7.46	11.01	0.49	1.22	0.42	1.11	0.37	8.62	8.99
MnO	0.19	0.17	0.26	0.19	0.18	0.25	0.02	0.01	0.01	0.01	0.03	0.16	0.15
MgO	7.98	27.80	4.86	7.45	20.23	7.76	0.42	0.64	0.23	0.77	0.13	21.51	23.86
CaO	11.36	3.93	7.52	8.96	9.39	7.76	0.41	0.23	0.11	0.62	0.26	9.57	6.79
Na_2O	2.73	0.06	1.84	4.25	0.73	2.46	3.38	2.31	2.31	4.05	4.69	0.06	0.04
K_2O	0.09	0.11	2.02	0.75	0.45	1.74	5.64	7.01	5.20	4.48	3.87	0.09	0.06
P_2O_5	0.44	0.06	0.76	0.45	0.10	0.13	0.05	0.08	0.01	0.05	0.01	0.08	0.11
LOI	9.90	9.51	1.21	2.79	4.47	3.25	1.17	1.25	1.33	1.25	0.72	5.57	6.67
Total	99.62	97.90	99.50	99.50	99.73	99.44	99.84	99.59	99.47	99.59	99.63	98.57	98.22

Sample No.	14	15	16	17	18	19	20	21	22	23
	VHR51	VAR56	VAR57	VSR51	VSR52	VBR54	VBR55	VBR56	VBR57	VBR58
SiO_2	45.58	40.51	46.60	45.86	73.06	41.88	41.02	47.64	1.30	4.61
TiO_2	2.01	0.72	0.55	2.11	0.25	0.71	0.74	2.33	0.03	0.04
Al_2O_3	9.55	6.20	6.23	7.90	13.49	6.28	6.20	11.40	0.23	1.13
Fe_2O_3	1.70	2.40	4.89	1.64	0.69	4.13	3.27	1.37	0.16	0.16
FeO	10.82	9.17	5.62	8.75	0.73	6.84	7.71	8.68	0.24	1.11
MnO	0.21	0.20	0.16	0.18	<0.01	0.17	0.16	0.13	0.03	0.21
MgO	15.21	25.20	25.36	14.04	0.67	24.89	24.16	8.19	20.51	0.83
CaO	9.39	4.67	6.49	12.59	0.31	6.73	6.65	7.88	30.29	49.79
Na_2O	1.42	0.06	0.18	1.48	2.13	0.35	0.10	1.76	0.26	0.10
K_2O	0.37	0.06	0.09	1.23	7.44	0.15	0.15	0.66	0.04	0.15
P_2O_5	0.30	0.06	0.05	0.25	0.07	0.08	0.08	0.31	0.01	0.03
LOI	2.95	8.26	7.53	3.40	0.90	5.49	7.17	7.54	46.39	41.24
Total	99.51	97.51	103.75	99.43	99.75	97.70	97.41	97.89	99.49	99.40

No.	Sample No.	Rock name
1.	VMR51	Altered diorite
2.	VMR54	Dunite
3.	VMR57	Gabbro
4.	VGR51	Dolerite
5.	VGR52	Peridotite
6.	VGR60	Gabbro
7.	VGR61	Biotite tonalite
8.	VGR62	Biotite granite
9.	VGR66	Two mica granite
10.	VGR69	Biotite tonalite
11.	VGR71	Granite
12.	VGR81	Serpentinite
13.	VGR93	Peridotite
14.	VHR51	Gabbro
15.	VAR56	Feldspar dunite
16.	VAR57	Feldspar peridotite
17.	VSR51	dolerite
18.	VSR52	Quartz syenite
19.	VBR54	Peridotite
20.	VBR55	Dunite
21.	VBR56	Sandstone
22.	VBR57	Mudstone
23.	VBR58	Limestone

5. Results of Whole Rock Analysis (2)

Western Thanh Hoa Area

Sample	1	2	3	4	5	6	7	8	9	10	11	12	13
No.	TMR52	TMR53	TMR54	TMR55	TGR51	TGR60	TAR57	TSR51	TSR52	TSR54	TBR51	TBR52	TBR55
SiO_2	48.72	49.37	48.78	75.31	74.46	76.94	72.05	70.18	70.99	70.59	73.13	75.35	68.67
TiO_2	0.22	1.16	1.06	0.13	0.15	0.07	0.57	0.63	0.56	0.54	0.18	0.09	0.51
Al_2O_3	19.01	15.49	16.32	12.98	12.95	11.81	13.78	13.30	13.42	13.91	13.54	12.86	13.69
Fe_2O_3	1.24	2.06	1.63	0.36	0.53	0.30	0.40	0.56	0.46	0.56	0.29	0.20	1.42
FeO	5.02	7.09	7.89	1.40	1.35	1.11	3.18	3.80	3.11	3.24	1.96	1.29	3.86
MnO	0.11	0.19	0.16	0.03	0.03	0.05	0.03	0.06	0.07	0.04	0.03	0.03	0.05
MgO	9.23	9.13	8.23	0.19	0.32	0.06	1.13	1.20	0.89	1.20	0.19	0.08	1.59
CaO	12.25	8.78	12.27	1.25	1.32	0.55	1.21	1.07	0.71	0.51	1.81	0.91	0.27
Na_2O	1.87	3.13	2.00	3.31	3.34	3.60	3.17	2.96	2.40	2.12	3.33	3.46	1.88
K_2O	0.07	0.23	0.14	4.14	4.48	4.51	2.88	4.13	5.36	5.25	4.31	4.94	5.27
P_2O_5	0.01	0.13	0.09	0.02	0.02	<0.01	0.14	0.16	0.16	0.16	0.03	0.01	0.16
LOI	1.80	2.66	1.22	0.56	0.75	0.48	1.04	1.44	1.37	1.57	0.62	0.41	2.22
Total	99.55	99.42	99.79	99.68	99.70	99.49	99.58	99.49	99.50	99.69	99.42	99.63	99.59

Sample	14	15	16	17	18	19
No.	TBR57	TBR58	TBR60	TBR64	TBR67	TBR68
SiO_2	72.62	79.71	74.23	71.29	71.41	76.49
TiO_2	0.50	0.21	0.37	0.59	0.62	0.11
Al_2O_3	14.64	9.68	13.45	13.53	13.64	12.29
Fe_2O_3	0.80	2.02	0.33	0.70	1.49	1.22
FeO	0.18	0.31	0.24	2.82	2.14	0.31
MnO	<0.01	<0.01	<0.01	0.04	0.04	0.02
MgO	0.25	0.24	0.14	0.83	0.87	0.08
CaO	0.06	0.05	0.06	1.77	1.24	0.61
Na_2O	1.88	0.09	0.88	1.96	1.73	2.96
K_2O	7.06	5.82	8.80	4.84	4.74	5.31
P_2O_5	0.09	0.04	0.04	0.14	0.15	0.01
LOI	1.63	1.55	1.21	0.99	1.44	0.42
Total	99.72	99.73	99.76	99.50	99.51	99.83

No.	Sample No.	Rock name
1.	TMR52	Gabbro
2.	TMR53	Gabbro
3.	TMR54	Actinolite feldspar schist
4.	TMR55	Biotite granite
5.	TGR51	Biotite granite
6.	TGR60	Two mica granite
7.	TAR57	Granodiorite
8.	TSR51	Dacite porphyry
9.	TSR52	Biotite granite
10.	TSR54	Dacite porphyry
11.	TBR51	Granite
12.	TBR52	Granite
13.	TBR55	Dacite porphyry
14.	TBR57	Dacite porphyry
15.	TBR58	Dacite porphyry
16.	TBR60	Biotite granite
17.	TBR64	Biotite granite
18.	TBR67	Biotite gneiss
19.	TBR68	Biotite granite

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
1	VMS 301	2	0.02	34.1	14.1	78	59	432	1.1	25
2	VMS 302	3	<0.02	34.4	19.7	194	109	1,238	<0.2	30
3	VMS 303	2	0.05	30.4	24.5	172	88	1,346	<0.2	40
4	VMS 304	<1	0.17	36.0	28.1	266	113	2,192	<0.2	31
5	VMS 305	1	0.12	41.8	38.4	261	129	1,902	6.6	77
6	VMS 306	<1	<0.02	66.6	182.0	224	289	1,566	5.7	30
7	VMS 307	<1	0.29	30.6	53.1	102	54	587	2.2	23
8	VMS 308	1	<0.02	50.5	39.5	355	151	2,304	6.1	40
9	VMS 309	<1	<0.02	9.5	7.8	35	13	34	4.1	22
10	VMS 310	<1	0.34	5.9	3.7	25	7	35	2.1	15
11	VMS 311	<1	0.83	10.4	4.8	18	6	57	2.6	15
12	VMS 312	<1	0.20	28.0	554.6	67	38	268	<0.2	29
13	VMS 313	<1	<0.02	21.2	3.5	84	132	1,502	2.7	23
14	VMS 314	<1	<0.02	29.7	33.8	144	116	768	7.8	28
15	VMS 315	<1	0.31	34.9	32.1	90	80	456	2.5	27
16	VMS 316	<1	0.14	31.4	16.2	143	308	2,934	<0.2	24
17	VMS 317	<1	<0.02	31.0	22.4	127	261	2,330	5.2	34
18	VMS 318	<1	<0.02	25.8	10.0	92	179	2,834	4.7	15
19	VMS 319	<1	<0.02	32.2	13.5	153	301	3,582	2.6	16
20	VMS 320	<1	0.17	12.2	4.0	43	77	1,416	1.9	13
21	VMS 321	<1	0.17	26.1	6.4	62	77	1,160	4.7	27
22	VMS 322	<1	0.25	28.9	11.5	78	86	442	6.1	23
23	VMS 323	<1	<0.02	39.1	8.6	77	38	108	7.2	21
24	VMS 324	<1	0.04	15.6	9.9	36	25	143	0.9	13
25	VMS 325	<1	0.27	23.3	12.1	119	110	1,971	2.1	13
26	VMS 326	<1	0.12	29.7	17.0	67	59	267	2.1	18
27	VMS 327	<1	0.23	18.2	11.1	61	64	759	<0.2	14
28	VMS 328	<1	0.56	11.4	<0.5	81	35	640	<0.2	16
29	VMS 329	<1	<0.02	20.2	7.7	70	59	718	2.5	26
30	VMS 330	<1	0.11	23.4	18.3	135	138	2,093	4.2	35
31	VMS 331	<1	0.52	29.0	17.3	308	158	4,609	1.0	33
32	VMS 332	<1	0.24	13.0	13.0	36	14	51	5.8	16
33	VMS 333	<1	0.08	17.2	18.1	62	41	138	6.5	218
34	VMS 334	<1	0.18	12.1	14.8	44	18	51	8.4	25
35	VMS 335	<1	<0.02	12.7	14.8	39	17	38	11.3	21
36	VMS 336	<1	0.08	13.5	9.8	33	18	94	4.7	20
37	VMS 337	<1	0.20	13.0	9.1	30	17	94	6.0	19
38	VMS 338	<1	0.29	22.0	29.4	64	27	39	14.7	31
39	VMS 339	<1	0.03	12.5	11.3	22	15	76	4.1	15
40	VMS 340	<1	0.48	33.6	16.4	40	17	12	5.3	35
41	VMS 341	2	0.42	638.4	714.1	1,969	2,368	6,404	72.4	778
42	VMS 342	<1	0.33	10.1	17.0	26	10	16	2.1	70
43	VMS 343	<1	0.18	27.8	18.2	28	19	41	4.6	33
44	VMS 344	<1	<0.02	10.2	28.9	52	8	5	3.5	28
45	VMS 345	<1	0.08	26.6	11.4	22	19	39	5.5	16
46	VMS 346	<1	0.60	23.2	3.7	13	20	34	<0.2	33
47	VMS 347	<1	1.45	72.9	2.3	13	17	32	8.1	34
48	VMS 348	<1	<0.02	12.5	3.6	10	10	25	3.9	29
49	VMS 349	2	<0.02	42.8	9.0	19	24	45	4.7	28
50	VMS 350	<1	<0.02	24.8	6.4	15	25	59	7.5	20
51	VMS 351	<1	0.05	26.3	3.2	11	8	23	4.9	18
52	VMS 352	<1	<0.02	18.1	2.8	24	10	19	4.3	22
53	VMS 353	<1	0.18	47.8	21.0	46	18	3	2.5	<10
54	VMS 354	<1	0.28	11.6	23.3	40	9	7	7.6	32
55	VMS 355	2	0.68	14.6	22.6	43	9	<1	6.8	20
56	VMS 356	<1	0.60	24.3	12.5	31	31	57	3.4	26
57	VMS 357	2	1.22	40.0	12.2	19	12	11	3.7	20
58	VMS 358	<1	0.23	24.7	4.7	8	14	21	<0.2	26
59	VMS 359	<1	<0.02	69.0	10.1	58	19	<1	1.7	42
60	VMS 360	2	0.04	15.8	2.5	11	14	22	0.9	31
61	VMS 361	<1	0.29	18.7	10.4	17	10	<1	3.0	29
62	VMS 362	46	0.05	16.5	10.7	33	16	21	4.1	24
63	VMS 363	<1	0.24	16.1	6.4	11	10	36	3.3	34
64	VGS 301	<1	<0.02	17.1	18.8	38	17	34	4.0	57
65	VGS 302	<1	<0.02	11.8	12.9	29	10	17	4.2	84
66	VGS 303	<1	<0.02	28.7	19.8	59	25	66	5.2	33
67	VGS 304	<1	<0.02	3.8	14.3	20	4	18	3.5	12
68	VGS 305	<1	<0.02	9.1	12.4	31	11	16	1.8	21
69	VGS 306	<1	<0.02	13.2	11.5	26	11	21	2.5	10
70	VGS 307	<1	0.07	31.7	30.2	64	20	52	7.9	30
71	VGS 308	<1	<0.02	30.6	25.6	64	24	60	<0.2	23
72	VGS 309	<1	<0.02	30.7	25.0	62	16	36	1.7	52
73	VGS 310	<1	<0.02	14.6	12.4	37	14	83	3.3	16
74	VGS 311	<1	<0.02	29.7	17.9	63	32	50	2.7	14
75	VGS 312	<1	<0.02	28.8	22.9	81	25	37	4.7	11
76	VGS 313	<1	<0.02	32.9	23.1	60	26	50	3.5	43
77	VGS 314	51	<0.02	16.8	13.7	49	18	9	5.4	19

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
78	VGS 315	<1	<0.02	35.7	24.4	65	26	64	3.0	24
79	VGS 316	<1	<0.02	24.7	13.1	178	99	2,142	6.1	18
80	VGS 317	<1	0.51	30.2	12.7	162	182	2,766	6.2	19
81	VGS 318	<1	<0.02	78.3	31.2	321	194	3,861	4.7	74
82	VGS 319	<1	<0.02	34.8	11.2	139	175	2,678	<0.2	35
83	VGS 320	<1	<0.02	29.7	16.4	182	122	1,969	1.7	27
84	VGS 321	<1	0.04	21.4	12.0	91	61	600	<0.2	33
85	VGS 322	<1	0.32	26.8	11.4	109	130	1,965	<0.2	27
86	VGS 323	<1	0.09	28.3	12.6	138	137	1,941	0.9	17
87	VGS 324	<1	0.37	20.0	8.1	80	83	1,558	<0.2	12
88	VGS 325	<1	<0.02	18.2	23.6	90	40	205	5.8	27
89	VGS 326	<1	0.18	25.2	5.4	95	78	978	<0.2	11
90	VGS 327	<1	0.06	30.1	15.4	148	175	1,933	<0.2	12
91	VGS 328	<1	<0.02	10.2	1.8	48	43	1,040	<0.2	27
92	VGS 329	<1	0.33	27.2	8.5	135	216	2,589	<0.2	21
93	VGS 330	<1	<0.02	15.4	3.9	124	113	2,926	1.7	19
94	VGS 331	313	0.16	22.0	9.4	124	73	1,717	<0.2	11
95	VGS 332	<1	0.09	59.1	26.5	179	286	2,891	<0.2	28
96	VGS 333	<1	0.38	40.8	17.7	223	299	5,139	1.3	15
97	VGS 334	<1	0.19	41.6	13.5	188	264	2,734	2.9	29
98	VGS 335	<1	<0.02	47.1	13.1	200	380	4,032	4.0	28
99	VGS 336	<1	0.82	63.6	18.7	252	268	5,559	5.3	30
100	VGS 337	<1	<0.02	57.9	21.0	154	303	2,308	2.0	45
101	VGS 338	<1	0.40	51.8	10.7	401	503	18,984	1.5	44
102	VGS 339	1	0.06	43.9	8.7	168	506	3,572	<0.2	25
103	VGS 340	<1	0.36	52.3	24.6	128	100	364	10.2	46
104	VGS 341	<1	0.15	66.7	5.5	219	310	4,646	3.5	24
105	VGS 342	<1	<0.02	17.0	10.1	53	19	19	<0.2	16
106	VGS 343	<1	<0.02	36.9	21.4	68	28	49	<0.2	18
107	VGS 344	<1	<0.02	18.2	15.8	51	19	47	<0.2	26
108	VGS 345	<1	<0.02	18.6	10.4	47	16	43	<0.2	12
109	VGS 346	<1	<0.02	31.4	17.4	60	20	22	<0.2	11
110	VGS 347	<1	<0.02	5.2	9.2	24	10	22	<0.2	<10
111	VGS 348	<1	<0.02	7.6	8.3	31	10	15	<0.2	<10
112	VGS 349	<1	<0.02	10.3	18.1	49	13	<1	<0.2	<10
113	VGS 350	<1	<0.02	11.1	10.6	39	13	6	<0.2	<10
114	VGS 351	<1	<0.02	20.3	17.2	53	20	32	2.7	14
115	VGS 352	<1	<0.02	11.4	13.5	47	15	233	<0.2	20
116	VGS 353	<1	0.08	18.0	11.8	109	59	1,148	0.9	20
117	VGS 354	<1	<0.02	13.7	10.2	38	15	34	1.2	12
118	VGS 355	<1	<0.02	11.1	2.6	44	26	393	1.1	<10
119	VGS 356	<1	0.13	21.5	8.2	43	36	311	<0.2	<10
120	VGS 357	<1	<0.02	17.3	4.8	54	54	396	<0.2	<10
121	VGS 358	<1	<0.02	19.3	14.1	93	39	661	<0.2	16
122	VGS 359	<1	<0.02	32.6	71.4	66	27	74	2.0	99
123	VGS 360	<1	<0.02	16.0	20.7	42	21	45	4.4	51
124	VGS 361	<1	<0.02	13.0	14.7	45	18	38	1.4	36
125	VGS 362	<1	0.13	35.9	26.4	147	83	721	3.9	48
126	VGS 363	<1	<0.02	15.1	15.6	47	16	91	2.4	58
127	VGS 364	<1	<0.02	15.2	18.4	49	18	25	2.8	41
128	VGS 365	<1	0.12	37.6	30.7	85	21	38	5.2	95
129	VGS 366	<1	<0.02	16.9	19.3	51	18	22	3.2	75
130	VGS 367	<1	<0.02	21.7	20.5	58	14	26	4.6	38
131	VGS 368	<1	<0.02	12.8	13.6	46	14	3	0.8	74
132	VGS 369	<1	<0.02	10.6	11.6	30	10	11	4.6	15
133	VGS 370	<1	<0.02	20.1	14.8	51	21	25	4.3	35
134	VGS 371	<1	<0.02	24.4	13.9	57	20	21	3.0	40
135	VGS 372	<1	<0.02	19.7	18.8	47	15	13	3.3	29
136	VGS 373	<1	<0.02	12.8	18.8	38	16	21	2.8	22
137	VGS 374	<1	<0.02	6.3	15.7	29	9	6	<0.2	41
138	VGS 375	<1	<0.02	13.6	19.1	44	19	21	<0.2	37
139	VGS 376	<1	<0.02	6.6	20.0	34	10	16	3.3	58
140	VGS 377	<1	<0.02	13.8	12.0	38	15	19	2.6	32
141	VGS 378	<1	<0.02	7.7	7.2	39	10	18	1.9	29
142	VGS 379	<1	<0.02	11.8	15.2	51	20	18	<0.2	64
143	VGS 380	<1	<0.02	17.3	22.1	53	22	35	4.4	37
144	VGS 381	<1	<0.02	9.6	14.8	41	15	31	3.8	23
145	VGS 382	<1	<0.02	9.9	12.5	40	20	46	3.8	37
146	VGS 383	<1	<0.02	13.7	13.4	51	23	36	<0.2	56
147	VGS 384	<1	<0.02	9.2	11.9	44	14	22	2.7	20
148	VGS 385	<1	<0.02	9.9	11.4	45	20	40	2.7	30
149	VGS 386	<1	<0.02	11.0	25.2	43	62	274	3.2	37
150	VGS 387	<1	<0.02	6.9	15.3	32	14	28	4.0	49
151	VGS 388	<1	<0.02	24.3	24.0	68	29	58	4.0	43
152	VGS 389	<1	<0.02	10.9	19.6	32	11	27	6.0	33
153	VGS 390	<1	<0.02	5.6	15.5	26	10	14	3.8	47
154	VGS 391	<1	<0.02	10.9	20.5	29	10	12	5.3	31

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
155	VGS 392	1	<0.02	12.3	19.0	39	12	23	4.2	37
156	VGS 393	<1	<0.02	2.4	25.2	19	6	5	<0.2	23
157	VGS 394	<1	<0.02	12.6	14.2	42	23	143	1.3	13
158	VGS 395	<1	<0.02	10.3	13.3	31	16	56	3.0	34
159	VGS 396	<1	<0.02	8.3	15.0	31	17	83	0.6	20
160	VGS 397	<1	0.15	10.5	13.3	30	17	59	4.1	24
161	VGS 398	<1	0.08	11.8	13.7	34	17	135	4.8	29
162	VGS 399	<1	<0.02	17.3	17.6	78	27	86	2.2	58
163	VGS 400	<1	<0.02	10.8	13.3	32	13	35	2.6	32
164	VGS 401	<1	<0.02	11.5	11.9	32	15	34	3.7	43
165	VGS 402	<1	<0.02	12.4	17.0	28	12	25	<0.2	36
166	VGS 403	<1	<0.02	9.8	22.4	21	12	21	3.1	33
167	VGS 404	<1	<0.02	10.6	15.5	27	11	33	1.8	303
168	VGS 405	<1	<0.02	15.1	15.8	28	9	30	4.2	209
169	VGS 406	<1	<0.02	22.1	24.5	65	24	80	2.0	65
170	VGS 407	<1	<0.02	8.6	18.2	29	14	41	<0.2	53
171	VGS 408	<1	<0.02	16.0	17.1	31	12	20	<0.2	114
172	VGS 409	<1	<0.02	8.6	18.8	25	10	16	<0.2	449
173	VGS 410	<1	<0.02	15.2	18.3	34	9	24	0.3	67
174	VGS 411	<1	0.09	10.6	22.3	27	12	<1	<0.2	624
175	VGS 412	<1	<0.02	10.5	10.9	41	21	166	<0.2	50
176	VGS 413	<1	<0.02	19.0	10.4	86	50	530	<0.2	607
177	VGS 414	<1	<0.02	16.2	11.9	43	32	191	<0.2	59
178	VGS 415	<1	<0.02	13.0	16.9	37	16	64	<0.2	58
179	VGS 416	<1	<0.02	18.3	13.3	90	50	509	0.9	221
180	VGS 417	<1	<0.02	12.2	16.5	53	16	17	0.2	234
181	VGS 418	<1	<0.02	20.8	49.7	70	16	42	1.3	167
182	VGS 419	<1	<0.02	12.8	20.9	54	13	31	<0.2	678
183	VGS 420	<1	<0.02	5.8	8.5	25	7	14	<0.2	40
184	VGS 421	<1	<0.02	10.9	16.4	49	17	30	<0.2	40
185	VGS 422	<1	<0.02	8.4	15.4	36	14	24	<0.2	198
186	VGS 423	<1	<0.02	11.8	17.7	53	18	27	<0.2	128
187	VGS 424	<1	<0.02	10.0	15.0	46	15	19	0.9	56
188	VGS 425	<1	<0.02	16.2	14.3	65	21	34	<0.2	75
189	VGS 426	<1	<0.02	10.2	14.4	43	17	28	<0.2	54
190	VGS 427	<1	<0.02	12.8	12.9	44	15	23	<0.2	49
191	VGS 428	<1	<0.02	19.6	76.1	87	121	417	2.7	421
192	VGS 429	<1	<0.02	15.1	19.9	80	26	58	<0.2	242
193	VGS 430	<1	<0.02	15.9	18.3	56	13	20	1.4	69
194	VGS 431	<1	<0.02	25.0	24.4	74	22	37	<0.2	168
195	VGS 432	<1	<0.02	14.9	18.2	55	16	30	1.8	167
196	VGS 433	<1	<0.02	14.8	29.4	81	17	12	1.1	60
197	VGS 434	<1	<0.02	9.7	12.3	40	15	27	1.0	201
198	VGS 435	<1	<0.02	14.9	20.1	72	21	34	<0.2	129
199	VGS 436	<1	<0.02	18.6	18.6	62	24	26	1.0	121
200	VGS 437	<1	<0.02	15.7	17.7	74	26	46	<0.2	207
201	VGS 438	<1	<0.02	15.9	17.4	61	23	60	<0.2	62
202	VGS 439	<1	<0.02	18.5	66.8	90	16	21	1.1	327
203	VGS 440	<1	<0.02	10.3	15.5	52	12	19	<0.2	201
204	VGS 441	<1	<0.02	25.5	21.4	68	20	45	<0.2	148
205	VGS 442	<1	<0.02	28.2	47.2	133	16	45	34.3	115
206	VGS 443	<1	<0.02	28.4	29.5	104	24	72	9.7	314
207	VGS 444	<1	<0.02	22.9	26.5	97	22	67	2.5	91
208	VGS 445	<1	<0.02	13.5	14.6	51	13	23	<0.2	120
209	VGS 446	<1	<0.02	9.2	13.6	37	11	13	<0.2	59
210	VGS 447	<1	<0.02	11.6	19.0	63	14	20	<0.2	357
211	VGS 448	<1	<0.02	10.8	11.6	43	12	16	0.3	31
212	VGS 449	<1	<0.02	17.0	14.6	59	14	24	<0.2	47
213	VGS 450	<1	<0.02	13.0	15.5	47	14	18	<0.2	44
214	VGS 451	<1	<0.02	11.4	14.1	44	14	22	<0.2	40
215	VGS 452	<1	<0.02	19.0	17.8	59	22	35	<0.2	70
216	VGS 453	<1	<0.02	15.2	12.2	43	12	16	<0.2	28
217	VGS 454	<1	<0.02	25.7	4.3	75	16	19	<0.2	40
218	VGS 455	<1	<0.02	22.0	10.5	46	18	47	2.1	37
219	VGS 456	<1	<0.02	17.7	13.1	37	13	21	0.4	38
220	VGS 457	<1	<0.02	29.7	14.9	58	29	68	<0.2	190
221	VGS 458	<1	<0.02	23.7	14.9	56	20	39	<0.2	41
222	VGS 459	<1	<0.02	28.8	20.4	71	22	39	<0.2	36
223	VGS 460	<1	<0.02	28.0	27.4	77	20	41	5.1	40
224	VGS 461	<1	<0.02	40.8	31.9	88	25	42	<0.2	54
225	VGS 462	<1	<0.02	40.1	43.8	101	20	27	2.3	35
226	VGS 463	<1	<0.02	23.7	17.1	60	16	41	1.6	38
227	VGS 464	<1	0.19	9.5	9.5	25	7	14	<0.2	12
228	VGS 465	<1	<0.02	7.6	11.6	25	17	49	<0.2	40
229	VGS 466	<1	<0.02	17.2	14.9	24	13	22	<0.2	19
230	VGS 467	<1	<0.02	9.9	14.9	24	9	19	<0.2	14
231	VGS 468	<1	<0.02	22.5	7.7	26	15	26	<0.2	14

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
232	VGS	469	<1	0.43	9.6	13.7	24	11	19	<0.2	28
233	VGS	470	<1	<0.02	21.5	13.1	20	14	20	<0.2	44
234	VGS	471	<1	0.38	20.2	13.5	53	19	41	<0.2	49
235	VGS	472	<1	0.10	17.4	6.4	28	18	37	<0.2	61
236	VGS	473	<1	<0.02	15.6	13.6	31	17	42	<0.2	32
237	VGS	474	<1	<0.02	22.7	14.5	40	27	55	2.1	41
238	VGS	475	<1	0.17	20.1	11.1	38	21	34	<0.2	53
239	VGS	476	<1	0.06	17.4	10.9	33	22	37	0.8	34
240	VGS	477	<1	0.10	19.7	14.6	36	19	29	<0.2	37
241	VGS	478	<1	<0.02	23.1	11.8	38	18	31	<0.2	22
242	VGS	479	<1	0.18	10.6	9.5	30	11	<1	<0.2	41
243	VGS	480	<1	<0.02	25.7	8.2	44	31	47	<0.2	21
244	VGS	481	<1	0.03	11.6	12.8	27	13	34	<0.2	58
245	VGS	482	<1	0.11	14.4	13.3	31	21	139	<0.2	27
246	VGS	483	<1	<0.02	9.4	8.7	23	8	7	<0.2	36
247	VGS	484	<1	<0.02	11.6	11.0	24	10	7	<0.2	31
248	VGS	485	<1	0.07	8.0	12.8	20	7	<1	<0.2	27
249	VGS	486	<1	0.46	7.8	17.1	28	8	7	<0.2	51
250	VGS	487	<1	<0.02	15.1	13.1	35	15	13	0.9	35
251	VGS	488	<1	0.05	18.1	21.4	19	14	26	0.8	19
252	VGS	489	<1	0.10	26.6	20.5	20	15	21	4.3	30
253	VGS	490	<1	0.09	13.0	14.2	28	13	21	<0.2	25
254	VGS	491	<1	<0.02	13.6	11.0	32	16	52	<0.2	24
255	VGS	492	<1	0.36	11.7	7.9	24	10	3	<0.2	28
256	VGS	493	<1	0.39	8.8	14.6	20	6	3	<0.2	40
257	VGS	494	<1	0.26	8.6	13.1	25	11	21	<0.2	22
258	VGS	495	<1	0.45	10.2	16.9	25	10	14	<0.2	23
259	VGS	496	<1	0.19	12.4	13.7	29	17	35	<0.2	28
260	VGS	497	<1	0.57	15.5	12.3	29	27	39	<0.2	52
261	VGS	498	<1	<0.02	11.1	12.4	25	12	20	<0.2	30
262	VGS	499	<1	<0.02	20.9	14.7	49	35	70	<0.2	37
263	VGS	500	<1	<0.02	17.0	12.5	27	10	10	<0.2	52
264	VHS	301	<1	<0.02	13.8	3.6	69	35	757	<0.2	47
265	VHS	302	<1	0.09	7.6	3.1	34	21	370	<0.2	77
266	VHS	303	<1	<0.02	4.7	<0.5	14	9	51	<0.2	51
267	VHS	304	<1	<0.02	3.8	5.4	16	6	33	<0.2	50
268	VHS	305	<1	<0.02	4.1	5.8	15	3	16	<0.2	35
269	VHS	306	<1	<0.02	3.1	13.6	12	4	8	<0.2	40
270	VHS	307	<1	<0.02	6.8	15.4	48	11	78	<0.2	63
271	VHS	308	<1	<0.02	9.9	19.5	36	11	35	<0.2	46
272	VHS	309	<1	<0.02	10.6	13.0	27	11	19	<0.2	87
273	VHS	310	<1	<0.02	15.7	18.0	53	25	149	<0.2	68
274	VHS	311	<1	<0.02	8.5	15.1	20	9	13	<0.2	49
275	VHS	312	<1	<0.02	24.0	14.9	88	83	708	<0.2	84
276	VHS	313	<1	<0.02	23.1	13.6	113	69	737	<0.2	72
277	VHS	314	<1	<0.02	9.3	14.3	52	34	322	<0.2	65
278	VHS	315	<1	<0.02	22.6	16.4	100	79	864	<0.2	55
279	VHS	316	<1	<0.02	14.1	16.3	46	25	90	<0.2	72
280	VHS	317	<1	<0.02	11.7	9.7	65	29	138	<0.2	53
281	VHS	318	<1	<0.02	3.7	3.5	15	6	41	<0.2	53
282	VHS	319	<1	0.03	14.4	12.2	58	42	384	1.9	74
283	VHS	320	<1	<0.02	7.1	9.1	21	8	21	<0.2	20
284	VHS	321	<1	<0.02	7.6	9.8	23	10	37	<0.2	18
285	VHS	322	<1	0.05	16.0	12.2	91	73	788	0.2	29
286	VHS	323	<1	0.03	31.8	15.1	113	72	637	<0.2	38
287	VHS	324	<1	0.27	18.9	13.3	109	84	1,031	0.7	33
288	VHS	325	<1	0.26	21.2	13.8	140	104	2,450	<0.2	43
289	VHS	326	<1	0.13	25.2	14.5	95	90	647	1.5	33
290	VHS	327	<1	0.05	14.7	7.5	61	35	428	<0.2	36
291	VHS	328	<1	<0.02	26.8	7.4	103	106	707	<0.2	55
292	VHS	329	<1	0.08	22.4	9.8	117	89	906	<0.2	46
293	VHS	330	<1	<0.02	20.0	9.9	73	57	342	<0.2	63
294	VHS	331	<1	<0.02	12.4	4.7	51	31	267	<0.2	88
295	VHS	332	<1	<0.02	19.8	19.9	66	34	128	1.5	114
296	VHS	333	<1	<0.02	15.6	7.2	130	62	1,013	<0.2	72
297	VHS	334	<1	0.03	16.5	11.8	71	46	411	<0.2	55
298	VHS	335	<1	<0.02	16.1	9.2	97	61	757	<0.2	79
299	VHS	336	<1	0.14	16.0	8.3	91	52	550	1.6	70
300	VHS	337	<1	0.15	26.3	21.6	154	86	1,434	1.9	90
301	VHS	338	<1	<0.02	34.1	25.4	146	133	1,058	<0.2	66
302	VHS	339	<1	<0.02	44.9	30.5	234	131	1,582	1.0	103
303	VHS	340	<1	<0.02	31.2	20.1	126	126	1,212	<0.2	68
304	VHS	341	<1	0.19	36.2	23.9	198	105	1,150	4.2	83
305	VHS	342	<1	<0.02	20.3	20.2	115	73	704	0.3	98
306	VHS	343	<1	<0.02	10.6	8.0	48	27	245	<0.2	79
307	VHS	344	<1	<0.02	9.3	7.4	44	24	154	<0.2	56
308	VHS	345	<1	0.02	18.4	16.2	170	91	2,603	3.2	85

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
309	VHS	346	<1	0.34	26.9	21.6	189	108	1,808	1.7	102
310	VHS	347	<1	0.06	33.6	42.3	170	115	1,265	<0.2	223
311	VHS	348	<1	0.18	22.7	13.2	119	86	1,836	<0.2	78
312	VHS	349	<1	0.03	13.8	11.6	78	51	864	2.1	46
313	VHS	350	<1	0.30	16.0	10.8	67	67	669	<0.2	235
314	VHS	351	<1	0.13	21.9	17.0	36	59	254	0.6	97
315	VHS	352	<1	<0.02	18.9	58.2	72	45	372	2.7	74
316	VHS	353	<1	<0.02	16.1	16.0	66	41	333	<0.2	60
317	VHS	354	<1	0.24	25.4	15.0	84	81	742	<0.2	140
318	VHS	355	<1	0.15	17.4	20.6	82	57	744	<0.2	132
319	VHS	356	<1	0.25	18.9	51.6	93	15	85	<0.2	103
320	VHS	357	<1	0.03	10.7	17.3	54	31	211	<0.2	102
321	VHS	358	<1	<0.02	13.9	19.8	58	42	260	2.6	54
322	VHS	359	<1	<0.02	16.6	14.4	95	61	871	<0.2	170
323	VHS	360	<1	<0.02	30.1	12.7	117	114	1,373	2.9	46
324	VHS	361	<1	<0.02	12.8	7.4	40	11	32	4.0	46
325	VHS	362	<1	<0.02	14.7	23.7	40	22	46	<0.2	29
326	VHS	363	<1	<0.02	3.4	8.5	10	2	10	2.4	32
327	VHS	364	<1	0.06	8.4	20.3	71	12	87	3.7	37
328	VHS	365	<1	<0.02	19.1	17.2	50	17	39	5.4	76
329	VHS	366	<1	<0.02	17.4	6.3	10	9	37	1.7	39
330	VHS	367	<1	<0.02	20.6	14.3	45	14	40	3.9	41
331	VHS	368	<1	<0.02	14.3	8.3	35	12	33	0.7	36
332	VHS	369	<1	<0.02	13.1	5.5	43	8	26	4.5	72
333	VHS	370	<1	<0.02	18.0	19.9	62	56	93	<0.2	27
334	VHS	371	<1	<0.02	6.5	15.3	21	8	16	<0.2	20
335	VHS	372	<1	<0.02	8.5	14.8	25	8	15	1.5	11
336	VHS	373	<1	<0.02	8.4	18.1	26	10	23	2.7	16
337	VHS	374	<1	<0.02	9.9	16.5	28	11	23	<0.2	<10
338	VHS	375	<1	<0.02	5.5	12.5	23	6	8	<0.2	29
339	VHS	376	<1	<0.02	7.8	12.3	24	10	18	2.2	<10
340	VHS	377	<1	<0.02	8.7	0.7	20	11	78	<0.2	19
341	VHS	378	<1	0.25	18.4	4.1	58	37	64	<0.2	40
342	VHS	379	<1	<0.02	11.2	13.7	31	21	80	<0.2	17
343	VHS	380	<1	<0.02	5.5	15.2	21	9	44	<0.2	<10
344	VHS	381	<1	<0.02	2.7	0.8	12	3	20	<0.2	27
345	VHS	382	<1	<0.02	10.6	5.0	17	10	20	6.1	28
346	VHS	383	<1	<0.02	21.3	7.7	47	24	46	5.0	28
347	VHS	384	<1	<0.02	17.9	11.1	38	15	35	5.9	61
348	VHS	385	<1	<0.02	13.9	15.0	26	12	37	6.6	83
349	VHS	386	<1	<0.02	10.8	13.0	31	15	61	1.2	14
350	VHS	387	<1	<0.02	4.8	20.5	15	4	19	3.7	<10
351	VHS	388	<1	<0.02	8.8	3.0	39	6	22	<0.2	71
352	VHS	389	<1	<0.02	13.3	10.1	39	11	36	<0.2	46
353	VHS	390	<1	<0.02	9.8	1.4	27	11	36	<0.2	41
354	VHS	391	<1	<0.02	10.9	19.0	33	13	30	<0.2	<10
355	VHS	392	<1	<0.02	8.7	11.8	28	8	19	<0.2	11
356	VHS	393	<1	<0.02	13.1	5.4	17	8	24	<0.2	46
357	VHS	394	<1	<0.02	16.3	18.3	33	10	45	<0.2	37
358	VHS	395	<1	<0.02	20.2	15.7	42	21	61	2.6	58
359	VHS	396	<1	<0.02	15.7	6.1	26	9	37	4.3	48
360	VHS	397	<1	<0.02	11.5	10.8	29	14	52	0.6	33
361	VHS	398	<1	<0.02	12.7	12.3	30	9	21	<0.2	71
362	VHS	399	<1	<0.02	16.5	28.0	57	15	41	1.5	36
363	VHS	400	<1	<0.02	9.8	27.6	43	10	38	1.3	33
364	VHS	401	<1	<0.02	13.7	23.8	35	12	29	0.9	22
365	VHS	402	<1	<0.02	13.8	14.4	49	22	46	<0.2	<10
366	VHS	403	<1	<0.02	9.8	12.6	28	15	38	<0.2	<10
367	VHS	404	<1	<0.02	6.3	8.3	26	10	22	<0.2	389
368	VHS	405	<1	<0.02	6.5	14.6	31	7	<1	<0.2	12
369	VHS	406	<1	<0.02	15.9	13.3	49	20	39	<0.2	22
370	VHS	407	<1	<0.02	19.1	15.6	59	25	47	1.7	26
371	VHS	408	<1	<0.02	27.4	35.6	84	22	39	11.1	42
372	VHS	409	<1	<0.02	19.6	16.2	45	17	37	0.4	42
373	VHS	410	<1	<0.02	11.7	25.5	34	9	46	3.7	38
374	VHS	411	<1	<0.02	12.1	27.1	49	11	43	3.7	20
375	VHS	412	<1	<0.02	6.4	10.1	23	7	20	<0.2	11
376	VHS	413	<1	<0.02	8.8	14.4	31	9	12	<0.2	<10
377	VHS	414	<1	<0.02	7.6	12.7	24	7	16	<0.2	<10
378	VHS	415	<1	<0.02	11.4	6.8	31	14	47	<0.2	<10
379	VHS	416	<1	<0.02	11.7	2.6	62	40	620	<0.2	15
380	VHS	417	<1	<0.02	12.6	4.2	59	44	632	<0.2	19
381	VHS	418	<1	0.10	24.7	7.6	107	140	1,590	<0.2	28
382	VHS	419	<1	0.36	17.0	2.2	123	52	1,799	<0.2	27
383	VHS	420	<1	0.47	23.4	4.4	56	37	367	0.3	22
384	VHS	421	<1	<0.02	21.0	12.0	214	132	754	0.4	49
385	VHS	422	<1	0.18	20.0	18.2	91	109	994	1.5	28

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
386	VHS	423	<1	<0.02	6.5	7.5	42	24	335	<0.2	55
387	VHS	424	1	<0.02	19.9	4.8	68	46	933	5.2	102
388	VHS	425	<1	<0.02	6.2	1.4	40	25	473	<0.2	29
389	VHS	426	<1	<0.02	16.3	7.0	77	92	818	2.7	28
390	VHS	427	<1	0.46	32.6	13.7	104	71	990	<0.2	85
391	VHS	428	<1	<0.02	18.2	7.9	81	98	784	<0.2	36
392	VHS	429	<1	0.10	12.3	3.7	67	65	674	<0.2	28
393	VHS	430	<1	0.17	12.8	7.1	80	120	1,337	<0.2	34
394	VHS	431	<1	0.26	21.3	4.9	139	239	2,462	<0.2	36
395	VHS	432	<1	0.10	12.8	4.2	59	50	843	0.8	26
396	VHS	433	<1	0.27	7.5	1.2	46	34	681	<0.2	28
397	VHS	434	<1	0.05	21.4	6.0	89	84	807	<0.2	40
398	VHS	435	<1	0.13	16.7	8.4	66	82	849	<0.2	40
399	VHS	436	<1	0.38	27.0	7.7	113	129	1,231	0.3	41
400	VHS	437	<1	<0.02	17.4	5.1	80	85	926	<0.2	33
401	VHS	438	<1	0.25	28.5	12.5	179	81	1,766	0.7	30
402	VHS	439	<1	0.04	14.2	5.8	52	34	502	<0.2	16
403	VHS	440	<1	<0.02	17.4	6.5	100	94	1,387	<0.2	19
404	VHS	441	<1	0.08	28.1	15.8	128	101	890	<0.2	22
405	VHS	442	<1	0.17	25.6	16.1	168	123	1,487	<0.2	24
406	VHS	443	<1	0.10	25.2	17.4	79	39	628	0.4	47
407	VHS	444	<1	<0.02	25.1	15.2	201	114	2,188	0.3	17
408	VHS	445	<1	<0.02	21.3	10.7	137	59	1,296	0.9	30
409	VHS	446	<1	0.05	21.4	13.1	93	77	680	<0.2	21
410	VHS	447	<1	<0.02	17.7	7.6	83	65	733	0.2	20
411	VHS	448	<1	<0.02	12.8	14.0	22	12	25	<0.2	<10
412	VHS	449	<1	<0.02	5.5	9.8	19	11	36	<0.2	<10
413	VHS	450	<1	0.89	12.3	12.7	23	8	16	<0.2	<10
414	VHS	451	<1	1.23	6.7	17.5	27	3	<1	<0.2	11
415	VHS	452	<1	0.31	3.5	3.8	6	2	6	<0.2	<10
416	VHS	453	<1	0.26	12.0	14.2	23	10	16	<0.2	<10
417	VHS	454	<1	0.15	5.0	8.0	15	6	14	<0.2	<10
418	VHS	455	<1	<0.02	3.9	10.3	15	4	16	<0.2	19
419	VHS	456	<1	0.90	12.0	12.5	23	11	25	<0.2	<10
420	VHS	457	<1	0.16	3.3	7.9	10	2	9	0.2	27
421	VHS	458	<1	0.06	7.3	12.5	20	11	25	<0.2	26
422	VHS	459	<1	0.84	5.3	8.9	18	8	20	<0.2	12
423	VHS	460	<1	<0.02	5.1	13.7	10	4	17	1.6	32
424	VHS	461	<1	<0.02	3.9	3.3	9	7	47	0.6	217
425	VHS	462	63	<0.02	4.1	1.9	12	7	57	<0.2	217
426	VHS	463	<1	<0.02	6.1	4.0	15	19	69	3.1	32
427	VHS	464	<1	<0.02	10.9	7.7	17	14	42	6.4	46
428	VHS	465	<1	0.34	9.8	14.6	22	10	20	0.7	<10
429	VHS	466	<1	<0.02	8.0	13.6	22	11	22	<0.2	<10
430	VHS	467	<1	<0.02	5.6	11.8	19	7	12	<0.2	22
431	VHS	468	<1	<0.02	12.6	14.1	33	14	22	<0.2	18
432	VHS	469	<1	0.24	7.1	6.8	36	8	23	<0.2	27
433	VHS	470	<1	0.17	8.6	10.2	26	11	5	<0.2	<10
434	VHS	471	<1	0.50	8.9	16.6	27	18	38	<0.2	13
435	VHS	472	<1	<0.02	11.5	12.8	30	14	20	<0.2	26
436	VHS	473	<1	0.05	13.1	13.8	30	15	26	<0.2	30
437	VHS	474	<1	0.11	10.3	10.6	28	8	14	0.7	56
438	VHS	475	<1	0.35	8.5	11.8	32	12	20	<0.2	59
439	VHS	476	<1	<0.02	6.7	15.0	21	5	5	1.4	31
440	VHS	477	<1	<0.02	10.3	11.6	31	14	20	0.7	26
441	VHS	478	<1	0.16	11.8	10.3	34	17	4	0.2	17
442	VHS	479	<1	0.23	6.6	10.4	14	18	49	3.8	106
443	VAS	301	<1	<0.02	39.7	16.3	171	104	1,457	<0.2	57
444	VAS	302	<1	<0.02	36.9	16.8	210	83	1,422	3.0	180
445	VAS	303	<1	0.46	19.8	14.9	64	45	118	<0.2	64
446	VAS	304	<1	0.26	25.5	15.5	97	62	746	<0.2	81
447	VAS	305	<1	0.54	25.9	9.4	138	131	3,388	<0.2	82
448	VAS	306	4	0.03	24.0	14.5	127	59	1,346	4.9	251
449	VAS	307	<1	0.11	15.8	9.2	64	22	573	<0.2	74
450	VAS	308	<1	0.59	20.5	11.1	78	79	2,230	<0.2	36
451	VAS	309	<1	<0.02	31.4	17.6	140	104	1,022	<0.2	42
452	VAS	310	<1	0.15	36.3	12.9	125	95	2,170	<0.2	23
453	VAS	311	<1	0.33	19.4	13.4	77	52	377	4.6	65
454	VAS	312	<1	0.25	26.9	18.8	89	55	558	2.3	67
455	VAS	313	<1	0.42	25.5	18.5	124	59	795	3.8	53
456	VAS	314	<1	0.06	7.2	8.2	26	9	10	2.3	53
457	VAS	315	<1	0.27	11.6	14.3	44	17	21	1.0	33
458	VAS	316	<1	<0.02	10.9	13.4	40	21	22	4.2	29
459	VAS	317	<1	0.22	8.2	9.9	36	13	8	0.8	19
460	VAS	318	<1	0.19	13.3	15.7	50	20	22	6.2	21
461	VAS	319	<1	0.30	8.5	9.4	17	8	3	2.7	82
462	VAS	320	<1	0.27	10.8	10.9	41	16	21	1.1	36

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
463	VAS	321	<1	0.21	12.9	17.6	48	20	18	5.3	99
464	VAS	322	<1	0.26	8.8	15.5	42	13	9	4.2	39
465	VAS	323	<1	0.35	13.1	15.7	27	14	35	3.7	288
466	VAS	324	<1	0.04	16.1	20.3	40	19	69	4.6	42
467	VAS	325	<1	0.32	9.0	9.4	30	25	69	1.7	32
468	VAS	326	<1	0.28	21.5	36.0	107	42	459	2.2	50
469	VAS	327	<1	1.92	24.6	21.0	159	43	916	0.9	33
470	VAS	328	<1	0.33	21.0	33.9	154	47	614	5.1	34
471	VAS	329	<1	2.29	26.7	21.0	175	29	723	2.9	27
472	VAS	330	<1	0.52	59.2	39.7	168	74	709	11.1	95
473	VAS	331	<1	0.18	27.5	29.8	122	51	540	2.1	62
474	VAS	332	<1	<0.02	34.7	16.1	150	76	592	<0.2	32
475	VAS	333	<1	1.53	48.7	10.5	185	31	781	3.9	52
476	VAS	334	<1	1.37	18.1	111.4	200	32	1,998	<0.2	73
477	VAS	335	<1	0.05	24.7	49.5	158	92	1,216	6.0	31
478	VAS	336	<1	0.78	30.8	23.8	157	75	941	4.8	45
479	VAS	337	<1	0.47	28.4	19.6	98	160	1,373	1.4	51
480	VAS	338	<1	0.58	6.2	5.1	27	10	26	4.0	83
481	VAS	339	<1	0.54	13.8	11.7	35	13	23	6.4	240
482	VAS	340	4	0.50	41.3	24.6	134	115	686	3.5	57
483	VAS	341	2	0.21	15.5	10.8	44	25	54	<0.2	85
484	VAS	342	<1	0.31	60.2	35.2	192	152	998	7.3	89
485	VAS	343	<1	0.27	11.3	7.6	47	14	19	<0.2	35
486	VAS	344	<1	0.14	13.0	8.6	35	13	29	3.8	28
487	VAS	345	<1	0.13	10.1	7.8	32	11	28	<0.2	25
488	VAS	346	<1	0.96	10.5	11.8	36	11	29	2.8	42
489	VAS	347	<1	0.29	12.2	8.8	33	14	47	2.2	113
490	VAS	348	<1	0.21	11.3	8.4	30	11	33	4.2	38
491	VAS	349	<1	0.53	8.7	11.0	27	16	37	6.3	85
492	VAS	350	<1	0.54	11.2	10.4	38	12	69	4.6	52
493	VAS	351	<1	0.06	7.3	6.8	23	8	38	2.3	46
494	VAS	352	<1	0.23	10.9	12.7	84	33	392	<0.2	102
495	VAS	353	<1	0.31	17.1	12.4	87	42	376	<0.2	54
496	VAS	354	<1	0.27	15.5	14.4	83	35	447	<0.2	69
497	VAS	355	<1	0.56	41.5	20.2	132	103	547	8.1	198
498	VAS	356	<1	0.35	14.4	9.1	67	32	241	2.7	49
499	VAS	357	<1	0.60	30.3	20.3	125	165	2,937	2.0	47
500	VAS	358	<1	0.30	18.0	13.2	235	118	1,443	1.5	42
501	VAS	359	1	0.18	16.6	13.4	169	82	1,178	4.9	68
502	VAS	360	<1	0.35	22.6	12.5	76	129	1,756	6.0	40
503	VAS	361	<1	0.38	52.2	20.5	156	349	3,606	<0.2	395
504	VAS	362	<1	0.58	19.6	16.5	114	100	2,293	4.3	167
505	VAS	363	<1	<0.02	37.1	16.1	129	177	2,820	<0.2	68
506	VAS	364	<1	0.29	39.2	12.8	133	462	3,661	4.0	160
507	VAS	365	<1	0.96	25.7	18.9	164	274	3,627	3.6	52
508	VAS	366	<1	0.71	26.6	31.9	140	120	1,754	0.7	71
509	VAS	367	<1	0.57	42.2	12.7	158	495	4,193	4.2	81
510	VAS	368	<1	0.23	31.1	23.0	176	279	3,679	5.9	98
511	VAS	369	1	0.49	43.9	14.4	148	649	3,808	9.2	65
512	VAS	370	<1	<0.02	23.9	20.3	102	101	1,365	6.4	68
513	VAS	371	<1	0.60	34.2	21.3	160	430	3,701	8.4	74
514	VAS	372	<1	0.19	27.5	16.6	67	64	576	7.6	65
515	VAS	373	<1	0.36	29.5	13.9	56	30	227	6.6	80
516	VAS	374	<1	0.21	37.0	19.7	74	61	215	<0.2	123
517	VAS	375	<1	0.07	22.5	15.3	55	36	197	7.6	71
518	VAS	376	<1	0.30	26.6	18.6	92	65	670	10.4	67
519	VAS	377	<1	0.43	23.3	20.4	87	72	500	11.6	63
520	VAS	378	<1	0.09	23.6	33.4	82	49	399	12.5	70
521	VAS	379	<1	0.41	56.4	41.7	269	65	297	23.8	108
622	VAS	380	<1	0.38	38.7	37.1	205	91	432	13.7	205
523	VAS	381	<1	<0.02	28.1	11.5	58	76	1,072	6.0	54
524	VAS	382	<1	0.20	18.8	11.4	64	158	1,797	2.9	358
525	VAS	383	<1	0.52	26.0	14.4	86	68	407	7.1	107
526	VAS	384	<1	1.03	17.1	9.2	47	31	215	5.3	66
627	VAS	385	<1	0.03	24.5	23.2	64	60	196	10.0	84
528	VAS	386	<1	0.24	36.0	28.9	150	134	623	12.1	43
529	VAS	387	<1	0.62	26.9	25.7	107	65	598	11.1	49
530	VAS	388	<1	0.12	19.3	17.2	163	77	3,546	5.9	89
531	VAS	389	<1	0.26	45.4	23.2	132	116	728	10.4	41
532	VAS	390	<1	0.17	13.9	9.4	40	21	73	5.8	108
533	VAS	391	<1	0.07	24.3	12.4	118	92	945	3.7	220
534	VAS	392	<1	0.08	39.1	16.1	108	169	742	9.1	116
635	VAS	393	<1	<0.02	25.1	15.1	91	71	642	<0.2	70
536	VAS	394	<1	0.18	61.1	18.8	105	284	1,191	9.9	53
537	VAS	395	<1	0.32	35.2	23.5	126	120	949	12.8	200
538	VAS	396	<1	0.02	31.5	21.0	107	94	552	10.6	86
539	VAS	397	<1	0.16	37.1	20.7	119	128	957	12.4	88

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
540	VAS	398	<1	0.13	28.6	14.6	132	118	1,089	6.5	43
541	VAS	399	<1	0.39	39.5	<0.5	74	205	2,556	0.6	35
542	VAS	400	<1	<0.02	18.9	4.9	46	81	1,101	2.9	52
543	VAS	401	<1	0.05	11.5	8.8	30	13	31	1.5	56
544	VAS	402	<1	0.12	23.4	15.2	48	101	592	2.9	120
545	VAS	403	<1	<0.02	30.1	22.5	64	159	949	9.5	91
546	VAS	404	<1	0.03	19.4	14.3	63	67	793	5.6	34
547	VAS	405	<1	0.34	33.7	13.1	62	91	551	8.0	86
548	VAS	406	<1	0.13	32.1	13.4	74	120	1,203	5.5	56
549	VAS	407	<1	0.28	21.3	9.0	57	84	1,032	<0.2	38
550	VAS	408	<1	0.04	13.1	11.3	32	31	466	5.3	35
551	VAS	409	<1	0.04	11.0	16.7	49	16	32	7.6	61
552	VAS	410	<1	0.45	25.1	15.8	37	20	56	4.4	50
553	VAS	411	<1	0.39	19.2	15.2	40	12	42	6.9	99
554	VAS	412	<1	<0.02	15.0	133.7	104	18	71	16.5	163
555	VAS	413	<1	0.30	28.6	34.6	113	35	88	41.3	123
556	VAS	414	<1	<0.02	7.1	5.0	26	9	29	<0.2	33
557	VAS	415	<1	0.25	7.3	9.4	23	9	8	7.3	57
558	VAS	416	<1	0.05	5.7	7.0	17	7	<1	<0.2	32
559	VAS	417	<1	0.33	6.4	9.8	13	6	<1	5.3	35
560	VAS	418	<1	0.19	14.1	46.5	63	13	11	<0.2	56
561	VAS	419	<1	0.22	10.3	15.1	32	10	<1	8.1	61
562	VAS	420	<1	0.22	8.1	16.3	41	9	<1	<0.2	30
563	VAS	421	<1	0.22	4.0	9.4	27	6	<1	<0.2	49
564	VAS	422	<1	0.15	4.3	5.1	15	5	<1	<0.2	63
565	VAS	423	<1	0.35	3.8	8.1	21	6	<1	4.1	40
566	VAS	424	<1	0.28	10.7	11.9	35	13	13	19.4	54
567	VAS	425	<1	0.07	14.1	17.7	55	18	15	32.5	84
568	VAS	426	<1	<0.02	7.1	8.4	25	7	<1	9.8	41
569	VAS	427	<1	0.50	24.6	26.4	98	38	58	59.1	89
570	VAS	428	<1	0.38	5.2	11.3	20	7	<1	6.5	59
571	VAS	429	<1	0.44	4.3	9.0	21	7	<1	7.4	53
572	VAS	430	<1	0.08	10.9	9.9	29	12	26	7.5	41
573	VAS	431	<1	0.26	2.5	5.3	8	4	<1	3.3	44
574	VAS	432	<1	0.07	1.8	3.0	7	3	<1	4.4	39
575	VAS	433	<1	0.31	3.9	9.3	20	6	<1	1.0	64
576	VAS	434	<1	0.51	5.3	10.7	20	8	<1	9.4	61
577	VAS	435	<1	0.36	7.7	13.8	27	11	1	3.5	102
578	VAS	436	<1	0.44	4.7	7.3	18	7	<1	4.8	43
579	VAS	437	<1	0.61	5.4	12.4	26	10	9	9.6	61
580	VAS	438	<1	0.06	2.1	5.4	9	4	<1	5.9	41
581	VAS	439	<1	0.27	6.6	11.2	25	9	<1	0.3	261
582	VSS	301	<1	<0.02	22.8	20.2	46	20	26	2.5	53
583	VSS	302	<1	0.26	24.1	15.1	89	70	516	7.5	36
584	VSS	303	<1	0.64	24.8	11.6	211	154	4,610	2.7	40
585	VSS	304	<1	0.73	24.9	14.8	78	66	727	6.8	122
586	VSS	305	<1	0.41	12.2	11.5	77	24	724	5.9	73
587	VSS	306	<1	0.33	23.4	12.2	116	114	1,656	5.1	50
588	VSS	307	4	0.42	20.2	9.7	178	94	3,170	4.5	87
589	VSS	308	<1	<0.02	25.1	14.2	126	123	1,807	8.2	59
590	VSS	309	<1	0.38	29.5	16.9	176	127	1,739	<0.2	38
591	VSS	310	6	0.54	24.6	17.6	292	154	3,885	6.4	167
592	VSS	311	<1	0.56	24.2	11.4	149	112	2,399	<0.2	84
593	VSS	312	<1	0.32	21.2	10.8	190	98	3,262	<0.2	101
594	VSS	313	<1	0.67	21.9	11.3	165	88	2,495	0.3	123
595	VSS	314	<1	0.64	22.0	12.3	189	91	2,892	<0.2	78
596	VSS	315	<1	1.01	26.5	6.0	304	113	5,486	1.2	82
597	VSS	316	<1	0.59	26.0	12.5	200	107	2,974	3.5	108
598	VSS	317	<1	0.21	15.5	7.0	105	80	1,616	2.8	82
599	VSS	318	<1	1.25	30.6	15.4	425	137	7,189	4.0	54
600	VSS	319	<1	0.15	22.5	13.6	149	87	2,196	8.3	79
601	VSS	320	<1	0.25	34.0	17.4	375	158	6,515	5.0	150
602	VSS	321	<1	0.76	36.6	21.9	195	143	2,892	<0.2	68
603	VSS	322	<1	0.45	40.0	24.0	284	163	2,912	4.6	92
604	VSS	323	<1	0.50	42.7	33.1	166	148	1,571	4.8	95
605	VSS	324	<1	0.78	49.0	34.4	147	110	1,193	9.5	112
606	VSS	325	<1	0.54	47.2	45.6	267	154	2,881	6.7	225
607	VSS	326	<1	0.43	43.4	43.8	170	123	1,202	9.6	70
608	VSS	327	<1	0.39	17.4	17.6	97	58	670	6.3	63
609	VSS	328	<1	0.42	11.6	24.4	87	27	798	<0.2	50
610	VSS	329	<1	0.27	21.0	43.6	84	51	390	8.2	103
611	VSS	330	<1	0.33	35.6	34.4	99	94	388	8.4	78
612	VSS	331	<1	0.25	32.2	32.7	100	66	248	9.7	75
613	VSS	332	<1	0.37	50.3	39.9	142	104	406	13.7	24
614	VSS	333	<1	0.46	22.5	19.9	80	69	404	9.1	57
615	VSS	334	<1	0.02	7.1	13.6	20	13	41	6.7	62
616	VSS	335	<1	0.29	21.3	15.8	73	53	346	3.2	68

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
617	VSS	336	<1	0.39	8.4	24.4	27	17	25	6.0	34
618	VSS	337	<1	0.21	7.5	14.0	27	14	22	7.3	203
619	VSS	338	<1	0.13	13.5	24.3	21	15	11	7.6	31
620	VSS	339	<1	0.37	27.8	19.9	152	70	1,177	8.8	79
621	VSS	340	<1	0.04	34.2	16.2	62	49	143	2.8	88
622	VSS	341	<1	0.26	46.8	25.0	198	98	1,275	9.3	101
623	VSS	342	<1	0.28	17.3	29.6	63	47	259	5.5	78
624	VSS	343	<1	0.24	34.4	34.7	166	108	641	5.2	66
625	VSS	344	<1	0.27	31.0	33.8	223	139	2,029	2.0	113
626	VSS	345	<1	0.04	18.6	18.6	205	97	3,205	0.5	61
627	VSS	346	<1	<0.02	29.2	23.0	171	136	1,636	1.7	73
628	VSS	347	<1	0.73	19.2	13.4	156	77	2,941	2.4	57
629	VSS	348	<1	0.28	24.2	17.5	149	93	1,690	5.0	74
630	VSS	349	64	<0.02	21.8	14.4	185	89	2,876	2.9	108
631	VSS	350	<1	<0.02	16.5	12.8	104	73	1,165	2.4	53
632	VSS	351	<1	0.33	40.6	33.8	170	148	1,557	0.8	48
633	VSS	352	<1	0.24	27.9	14.3	124	121	1,278	1.6	108
634	VSS	353	<1	0.21	58.8	30.5	152	114	1,421	6.1	678
635	VSS	354	<1	0.64	43.4	20.6	166	136	1,869	5.6	79
636	VSS	355	<1	0.29	32.4	19.3	152	108	2,159	3.9	74
637	VSS	356	<1	0.12	9.5	27.9	23	12	15	3.9	40
638	VSS	357	<1	<0.02	5.3	26.4	40	14	28	5.6	122
639	VSS	358	<1	<0.02	10.8	20.6	36	12	3	3.2	43
640	VSS	359	<1	0.51	6.2	19.9	25	8	<1	6.7	49
641	VSS	360	<1	0.25	6.5	24.6	30	9	<1	4.9	51
642	VSS	361	<1	0.18	10.7	39.2	73	25	9	6.5	54
643	VSS	362	<1	0.18	8.7	27.8	26	9	<1	4.7	44
644	VSS	363	<1	0.12	9.0	29.9	29	10	<1	3.1	31
645	VSS	364	<1	0.36	7.0	24.7	31	10	13	4.7	46
646	VSS	365	<1	0.11	6.9	22.6	34	11	6	5.3	54
647	VSS	366	<1	0.15	7.8	21.4	59	21	347	0.9	87
648	VSS	367	<1	0.13	3.2	16.0	20	15	18	4.5	55
649	VSS	368	<1	0.25	9.9	15.2	29	17	18	3.0	81
650	VSS	369	<1	0.64	12.8	14.1	22	9	20	2.6	73
651	VSS	370	<1	0.29	21.2	15.5	59	23	23	2.0	70
652	VSS	371	<1	<0.02	19.7	16.4	43	39	110	<0.2	126
653	VSS	372	<1	0.14	7.3	21.7	32	13	26	5.8	122
654	VSS	373	<1	0.12	18.6	16.2	62	64	359	6.0	137
655	VSS	374	<1	<0.02	17.9	15.8	58	53	251	6.6	50
656	VSS	375	<1	<0.02	14.8	14.6	73	49	494	4.6	160
657	VSS	376	<1	0.22	15.8	16.2	59	36	74	4.5	99
658	VSS	377	<1	0.06	11.2	13.5	39	19	30	5.1	88
659	VSS	378	<1	0.04	6.1	12.6	26	12	25	5.3	86
660	VSS	379	<1	0.09	5.6	10.1	21	10	12	6.7	117
661	VSS	380	<1	<0.02	11.9	22.4	46	21	52	<0.2	62
662	VSS	381	<1	0.12	11.2	12.6	23	13	41	8.1	78
663	VSS	382	<1	0.27	12.1	13.4	28	14	32	6.3	71
664	VSS	383	<1	0.29	60.6	18.0	349	186	1,840	<0.2	59
665	VSS	384	<1	<0.02	31.0	25.1	85	59	236	10.2	60
666	VSS	385	<1	0.41	33.4	21.2	89	90	279	5.8	150
667	VSS	386	<1	0.02	44.6	33.1	179	97	1,135	12.2	92
668	VSS	387	<1	0.17	34.2	24.0	127	94	699	9.2	108
669	VSS	388	<1	0.17	23.9	15.4	91	62	576	4.5	144
670	VSS	389	<1	<0.02	39.3	25.7	107	92	266	10.0	78
671	VSS	390	<1	0.30	36.7	23.9	103	99	77	8.5	211
672	VSS	391	<1	0.24	39.0	25.1	84	77	200	8.2	77
673	VSS	392	<1	0.05	12.8	9.6	52	21	454	<0.2	53
674	VSS	393	<1	0.22	9.5	16.2	42	28	114	7.7	115
675	VSS	394	<1	0.21	25.0	17.4	113	76	749	<0.2	48
676	VSS	395	<1	0.17	63.9	46.4	175	171	1,326	0.7	91
677	VSS	396	<1	0.31	52.8	29.7	183	99	1,688	<0.2	140
678	VSS	397	<1	0.30	30.4	23.5	129	86	854	1.3	147
679	VSS	398	5	0.28	57.5	27.2	134	106	693	<0.2	157
680	VSS	399	<1	0.51	32.4	24.8	111	74	472	6.8	123
681	VSS	400	27	<0.02	24.2	16.5	135	68	928	1.1	112
682	VSS	401	<1	0.75	24.6	17.2	215	79	1,988	4.5	56
683	VSS	402	<1	0.36	21.9	15.2	29	16	<1	4.2	51
684	VSS	403	<1	<0.02	8.9	10.3	22	16	18	1.7	55
685	VSS	404	<1	0.19	6.4	13.8	32	12	1	2.7	53
686	VSS	405	<1	0.59	15.1	18.5	33	19	<1	4.8	64
687	VSS	406	<1	1.49	11.1	20.6	29	17	25	<0.2	33
688	VSS	407	<1	0.27	25.7	18.1	28	19	<1	6.7	41
689	VSS	408	<1	0.70	22.4	15.6	30	17	<1	2.5	108
690	VSS	409	<1	0.37	18.4	26.1	45	23	<1	6.2	54
691	VSS	410	<1	0.95	12.2	20.9	27	20	4	<0.2	36
692	VSS	411	<1	0.31	22.6	15.7	34	26	42	<0.2	81
693	VSS	412	<1	0.10	30.0	15.1	31	29	67	7.3	66

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
694	VSS	413	<1	0.69	19.1	10.3	31	16	9	<0.2	40
695	VSS	414	<1	0.23	14.0	15.5	30	16	<1	<0.2	44
696	VSS	416	<1	0.58	15.5	10.1	52	49	520	4.5	45
697	VSS	416	<1	0.39	10.9	12.1	41	17	78	<0.2	52
698	VSS	417	<1	0.35	12.1	18.2	61	10	<1	3.0	63
699	VSS	418	<1	0.29	12.9	7.7	41	25	223	<0.2	47
700	VSS	419	<1	0.30	9.5	16.1	38	12	9	6.2	52
701	VSS	420	<1	0.74	5.0	13.8	29	7	<1	4.9	46
702	VSS	421	<1	0.14	9.9	21.3	45	12	<1	3.3	50
703	VSS	422	<1	<0.02	9.2	13.1	29	11	18	5.4	96
704	VSS	423	<1	0.02	14.7	7.0	68	53	767	<0.2	49
705	VSS	424	<1	0.30	17.1	8.3	82	72	1,081	<0.2	79
706	VSS	425	<1	0.67	10.4	11.2	20	16	41	4.0	83
707	VSS	426	<1	<0.02	12.6	16.0	41	26	122	4.5	47
708	VSS	427	<1	1.07	10.7	14.3	44	14	4	4.6	38
709	VSS	428	<1	0.34	10.9	11.9	41	11	8	1.4	34
710	VSS	429	<1	0.09	9.8	10.0	39	12	<1	0.2	41
711	VSS	430	<1	0.69	13.2	11.8	37	16	39	2.0	108
712	VSS	431	<1	<0.02	24.8	11.3	33	12	<1	<0.2	54
713	VSS	432	<1	0.44	19.6	13.9	39	20	16	5.9	137
714	VSS	433	<1	0.75	8.9	10.5	27	10	<1	3.9	51
715	VSS	434	<1	0.91	9.3	16.0	33	17	5	<0.2	61
716	VSS	435	<1	0.15	26.2	18.6	66	23	9	<0.2	77
717	VSS	436	<1	0.86	6.4	9.7	20	8	<1	<0.2	36
718	VSS	437	<1	0.14	10.9	15.5	36	28	168	<0.2	40
719	VSS	438	<1	0.07	4.9	13.1	23	5	<1	<0.2	33
720	VSS	439	<1	0.25	10.0	12.2	36	19	107	2.4	35
721	VSS	440	<1	0.33	13.4	12.7	56	20	280	1.3	55
722	VSS	441	<1	0.26	12.1	16.7	50	24	122	<0.2	36
723	VSS	442	<1	0.34	23.5	18.9	89	52	425	<0.2	50
724	VSS	443	<1	<0.02	11.8	19.1	62	9	<1	2.0	68
725	VSS	444	<1	<0.02	41.2	10.9	101	79	449	3.5	67
726	VSS	445	<1	<0.02	13.6	15.8	61	18	66	<0.2	30
727	VSS	446	<1	0.29	24.7	9.9	76	57	468	<0.2	70
728	VSS	447	<1	0.33	18.4	14.8	72	39	358	3.4	71
729	VSS	448	<1	0.24	12.4	17.8	38	19	9	<0.2	91
730	VSS	449	<1	0.12	10.0	23.7	43	16	18	1.2	48
731	VSS	450	<1	0.06	12.8	41.9	79	8	<1	5.5	27
732	VSS	451	4	0.47	28.0	16.9	28	20	7	10.2	76
733	VSS	452	<1	0.10	39.9	15.2	33	27	9	14.7	76
734	VSS	453	28	0.37	3.5	7.5	8	7	<1	<0.2	133
735	VSS	454	<1	0.18	49.5	22.3	29	29	22	19.1	68
736	VSS	455	<1	0.19	12.3	5.5	21	12	<1	2.8	39
737	VSS	456	4	0.57	20.8	4.0	33	15	13	5.5	32
738	VSS	457	<1	0.06	7.9	20.5	36	19	120	11.9	50
739	VSS	458	<1	0.19	14.0	16.2	61	29	47	13.6	287
740	VSS	459	<1	0.25	8.0	16.2	25	10	<1	7.3	34
741	VSS	460	<1	0.14	3.9	7.6	15	4	<1	0.9	39
742	VSS	461	<1	0.54	7.8	11.3	41	18	26	4.9	29
743	VSS	462	<1	0.11	5.5	8.0	14	11	19	3.7	126
744	VSS	463	<1	<0.02	7.7	11.9	27	10	<1	5.8	135
745	VSS	464	<1	0.26	3.6	5.8	13	17	94	2.9	47
746	VSS	465	<1	0.45	4.2	8.0	16	10	38	4.0	37
747	VSS	466	<1	0.41	8.2	14.6	32	11	<1	5.4	35
748	VSS	467	<1	0.24	10.6	17.5	38	15	13	2.7	28
749	VSS	468	<1	0.28	20.8	8.8	62	29	11	1.5	96
750	VSS	469	<1	0.10	29.5	32.1	73	45	65	8.8	122
751	VSS	470	<1	0.09	7.6	33.6	27	32	87	6.5	146
752	VSS	471	<1	0.22	8.9	32.4	39	28	98	5.5	166
753	VSS	472	<1	0.13	16.7	20.1	46	19	36	5.4	55
754	VSS	473	<1	0.03	7.9	10.6	40	10	46	7.6	130
755	VSS	474	<1	0.07	3.9	15.5	17	4	<1	7.3	73
756	VSS	475	<1	0.18	6.1	10.7	16	5	<1	7.1	54
757	VSS	476	<1	0.41	6.3	9.0	11	5	<1	5.1	291
758	VSS	477	<1	0.20	6.8	10.6	15	5	<1	3.2	46
759	VSS	478	<1	<0.02	11.8	6.5	34	14	23	8.6	112
760	VSS	479	<1	0.25	11.3	12.0	22	17	31	6.1	111
761	VSS	480	<1	0.02	9.8	6.7	17	22	37	<0.2	20
762	VSS	481	<1	0.26	7.9	4.0	13	9	<1	<0.2	17
763	VSS	482	<1	0.32	11.4	8.1	17	14	<1	6.4	145
764	VSS	483	<1	0.22	18.0	7.0	20	11	<1	11.4	113
765	VSS	484	<1	0.29	10.7	11.4	30	6	<1	4.3	58
766	VSS	485	<1	0.26	9.8	12.1	32	17	64	6.0	48
767	VSS	486	<1	<0.02	17.2	19.1	57	24	72	9.6	34
768	VSS	487	<1	0.42	9.2	12.1	52	15	153	4.3	28
769	VSS	488	<1	0.26	14.1	5.0	24	15	3	7.2	29
770	VSS	489	<1	0.23	37.9	22.6	51	25	17	21.0	60

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
771	VSS 490	<1	<0.02	15.0	22.1	47	23	35	3.3	154
772	VBS 301	<1	<0.02	25.7	10.3	97	52	608	5.2	45
773	VBS 302	<1	0.30	10.1	13.7	35	17	40	7.1	70
774	VBS 303	<1	0.19	21.3	17.4	96	47	393	6.7	21
775	VBS 304	<1	0.17	14.6	12.0	65	35	270	4.5	39
776	VBS 305	<1	<0.02	8.1	11.9	40	14	72	6.0	45
777	VBS 306	5	0.41	22.9	16.6	106	53	676	4.3	27
778	VBS 307	<1	0.47	22.5	11.4	134	185	2,593	4.4	123
779	VBS 308	<1	0.07	7.2	11.8	20	9	29	7.7	67
780	VBS 309	<1	0.14	10.8	13.7	44	17	52	5.7	54
781	VBS 310	<1	0.27	25.8	17.6	86	62	348	8.7	189
782	VBS 311	<1	0.24	24.5	26.4	97	37	144	6.5	144
783	VBS 312	<1	0.36	35.8	22.3	92	84	249	11.7	111
784	VBS 313	<1	0.22	27.3	16.5	75	55	206	9.7	54
785	VBS 314	<1	0.02	29.1	14.5	225	116	1,878	6.4	57
786	VBS 315	<1	0.36	28.4	17.1	142	142	1,590	<0.2	113
787	VBS 316	1	0.22	28.0	19.0	221	117	1,481	5.0	54
788	VBS 317	<1	0.47	37.3	31.6	163	102	800	8.7	90
789	VBS 318	<1	<0.02	40.6	35.4	159	103	915	8.8	83
790	VBS 319	<1	0.48	41.7	22.7	140	106	809	6.6	28
791	VBS 320	<1	0.04	42.5	33.0	245	125	1,799	7.4	71
792	VBS 321	<1	0.45	33.6	33.1	227	158	1,597	6.5	59
793	VBS 322	<1	0.20	35.8	23.7	122	122	732	7.7	48
794	VBS 323	<1	0.44	24.2	21.3	123	69	746	6.1	55
795	VBS 324	<1	0.59	40.3	225.1	317	144	4,344	9.4	71
796	VBS 325	<1	0.32	19.5	13.1	94	88	640	7.2	48
797	VBS 326	<1	<0.02	25.6	19.7	106	67	689	6.8	62
798	VBS 327	<1	0.29	13.8	11.6	64	38	463	3.1	35
799	VBS 328	<1	0.18	22.6	16.6	122	77	951	7.4	29
800	VBS 329	<1	0.34	18.9	12.1	112	81	1,000	6.8	42
801	VBS 330	<1	0.58	35.6	16.9	101	95	662	3.3	22
802	VBS 331	<1	0.07	34.9	22.5	135	106	913	8.0	45
803	VBS 332	<1	0.44	24.2	18.7	159	66	1,360	2.8	249
804	VBS 333	<1	<0.02	23.7	13.0	161	69	1,491	5.1	73
805	VBS 334	<1	0.43	27.0	12.2	147	105	1,320	6.4	41
806	VBS 335	<1	0.57	24.9	14.9	264	111	3,152	7.7	14
807	VBS 336	<1	0.71	20.9	20.2	154	93	1,008	<0.2	59
808	VBS 337	<1	0.46	33.6	17.6	305	141	2,455	6.2	46
809	VBS 338	<1	0.45	27.4	13.5	180	129	1,444	<0.2	102
810	VBS 339	<1	0.19	37.0	20.7	115	100	548	10.1	55
811	VBS 340	<1	0.18	26.9	11.3	157	115	1,349	7.6	17
812	VBS 341	<1	0.29	34.9	16.3	218	138	1,319	4.3	14
813	VBS 342	<1	0.25	23.5	12.5	154	114	1,245	7.4	77
814	VBS 343	<1	0.67	17.7	10.7	32	14	15	4.9	16
815	VBS 344	<1	3.03	13.8	13.0	27	9	101	5.7	12
816	VBS 345	<1	0.86	14.5	11.4	61	40	228	4.2	25
817	VBS 346	<1	0.37	77.3	27.0	167	182	928	5.9	49
818	VBS 347	<1	0.64	15.8	14.2	45	32	146	6.8	17
819	VBS 348	<1	0.50	27.5	20.9	140	488	5,084	6.4	58
820	VBS 349	<1	0.03	16.0	30.5	92	88	754	8.8	39
821	VBS 350	<1	0.44	15.3	10.0	64	35	646	<0.2	31
822	VBS 351	<1	0.92	33.8	2.9	121	118	3,122	<0.2	23
823	VBS 362	<1	0.71	52.4	16.6	132	145	2,300	<0.2	61
824	VBS 353	<1	0.25	15.7	9.7	109	60	982	<0.2	30
825	VBS 354	<1	0.43	30.4	18.2	163	148	1,994	2.7	43
826	VBS 355	2	0.52	25.1	27.9	147	149	3,458	<0.2	39
827	VBS 356	<1	0.27	20.7	20.9	101	100	1,066	2.9	32
828	VBS 357	<1	0.12	19.5	30.1	170	133	2,013	7.6	24
829	VBS 358	<1	0.31	27.7	23.6	108	114	1,241	5.8	43
830	VBS 359	<1	0.72	27.8	28.5	72	58	457	6.0	147
831	VBS 360	<1	0.43	29.1	26.1	84	88	401	9.4	42
832	VBS 361	<1	0.11	11.0	9.6	39	19	225	3.8	14
833	VBS 362	<1	0.46	24.3	7.4	129	269	3,874	<0.2	32
834	VBS 363	<1	0.51	26.7	14.3	88	114	1,228	<0.2	32
835	VBS 364	<1	<0.02	28.1	12.8	80	112	900	<0.2	29
836	VBS 365	<1	0.40	19.0	24.7	97	53	432	5.7	36
837	VBS 366	<1	0.38	36.5	19.1	202	214	3,089	3.7	31
838	VBS 367	<1	0.19	19.4	20.8	102	55	419	6.7	34
839	VBS 368	<1	0.32	21.0	37.1	111	55	357	7.1	48
840	VBS 369	<1	0.08	21.4	30.6	109	44	262	7.7	49
841	VBS 370	<1	0.52	25.7	14.9	97	85	1,165	5.1	91
842	VBS 371	<1	0.50	22.9	28.7	70	33	107	7.1	28
843	VBS 372	<1	0.30	19.2	18.2	64	55	365	5.7	16
844	VBS 373	<1	0.20	21.4	17.2	65	63	408	7.6	19
845	VBS 374	<1	0.41	54.3	25.7	139	96	497	10.3	56
846	VBS 375	<1	1.00	11.6	9.0	37	16	56	4.9	18
847	VBS 376	<1	0.09	13.9	12.7	69	48	622	5.6	42

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb
848	VBS	377	<1	0.10	13.1	11.7	54	33	251	3.1	27
849	VBS	378	<1	0.33	37.7	27.2	261	169	2,331	6.9	33
850	VBS	379	<1	0.09	22.3	13.3	151	121	1,486	3.1	21
851	VBS	380	<1	0.09	23.4	19.9	160	110	1,296	3.8	44
852	VBS	381	<1	0.28	35.4	17.0	180	150	1,545	6.8	30
853	VBS	382	<1	0.31	21.5	11.2	133	96	1,308	<0.2	25
854	VBS	383	<1	0.34	23.3	16.7	139	26	1,642	5.8	23
855	VBS	384	<1	0.27	20.9	14.3	69	54	697	7.3	35
856	VBS	385	<1	0.44	17.1	13.9	94	74	1,075	5.5	48
857	VBS	386	<1	0.14	30.9	42.8	138	44	244	<0.2	68
858	VBS	387	<1	0.87	21.9	30.7	142	58	524	6.5	47
859	VBS	388	<1	0.24	20.3	44.2	96	26	90	9.3	69
860	VBS	389	<1	0.29	7.5	11.4	45	16	121	5.6	39
861	VBS	390	<1	0.42	11.6	18.3	51	20	325	6.3	34
862	VBS	391	<1	0.41	22.6	26.2	105	60	545	7.7	81
863	VBS	392	<1	0.32	17.6	24.1	53	38	130	8.3	37
864	VBS	393	<1	<0.02	27.2	16.9	182	124	1,417	1.4	33
865	VBS	394	<1	0.02	24.6	12.8	222	122	1,319	4.2	43
866	VBS	395	<1	0.05	34.1	17.1	201	252	3,486	4.1	70
867	VBS	396	<1	0.13	20.1	13.9	234	123	2,454	1.0	43
868	VBS	397	<1	<0.02	16.3	10.3	75	78	860	5.0	57
869	VBS	398	<1	0.48	10.0	10.1	30	19	44	4.7	58
870	VBS	399	<1	<0.02	9.8	10.7	32	15	41	<0.2	35
871	VBS	400	<1	0.36	27.9	18.6	214	137	1,911	2.1	62
872	VBS	401	<1	0.41	13.8	12.1	79	60	995	4.6	26
873	VBS	402	<1	0.34	22.3	28.6	77	38	<1	<0.2	81
874	VBS	403	<1	0.26	52.1	19.9	91	91	407	21.0	27
875	VBS	404	<1	0.21	14.8	6.2	21	9	22	<0.2	21
876	VBS	405	<1	0.89	4.6	5.8	20	6	3	<0.2	10
877	VBS	406	<1	0.29	8.8	11.5	27	11	3	18.4	<10
878	VBS	407	<1	0.44	4.4	8.8	24	8	<1	2.1	17
879	VBS	408	<1	0.27	10.7	14.0	29	13	9	9.1	20
880	VBS	409	<1	0.19	34.7	31.8	81	37	28	20.4	52
881	VBS	410	<1	0.61	20.7	24.5	59	25	29	11.6	47
882	VBS	411	<1	0.45	7.4	14.2	28	12	<1	7.8	23
883	VBS	412	<1	0.31	21.6	37.3	71	31	12	16.2	40
884	VBS	413	<1	0.36	7.1	13.1	25	9	<1	8.4	24
885	VBS	414	<1	0.34	6.9	15.6	29	12	<1	8.4	19
886	VBS	415	<1	0.73	30.6	37.0	95	37	59	16.0	34
887	VBS	416	<1	0.15	12.6	8.9	38	16	<1	1.5	36
888	VBS	417	<1	0.14	16.3	18.6	45	21	<1	6.3	29
889	VBS	418	<1	0.16	15.6	17.1	46	19	16	<0.2	90
890	VBS	419	<1	0.12	26.8	14.6	38	19	14	19.1	25
891	VBS	420	<1	0.47	32.7	27.9	94	40	11	10.2	34
892	VBS	421	<1	0.17	20.0	20.5	51	24	<1	<0.2	28
893	VBS	422	<1	0.21	15.0	18.9	50	18	11	10.0	24
894	VBS	423	<1	0.15	33.6	36.0	85	37	<1	16.8	36
895	VBS	424	<1	0.33	12.4	20.5	39	17	6	10.0	15
896	VLS	301	<1	0.24	19.5	19.9	22	11	<1	3.4	<10
897	VLS	302	<1	<0.02	23.5	15.1	27	13	<1	<0.2	11
898	VLS	303	<1	0.24	7.7	12.3	17	8	<1	5.9	<10
899	VLS	304	<1	0.25	4.5	11.1	7	4	<1	3.5	121
900	VLS	305	<1	0.32	6.3	13.0	13	7	<1	4.2	38
901	VLS	306	<1	0.09	4.8	39.8	19	4	<1	5.8	84
902	VLS	307	<1	0.08	6.6	16.0	20	10	13	7.0	31
903	VLS	308	<1	0.34	11.0	12.2	27	11	5	5.9	29
904	VLS	309	<1	0.26	9.3	10.9	21	8	<1	5.5	42
905	VLS	310	<1	0.41	35.9	12.4	48	30	44	5.3	<10
906	VLS	311	<1	0.24	12.1	10.5	18	10	6	9.2	30
907	VLS	312	<1	0.27	5.6	8.5	9	4	<1	0.5	46
908	VLS	313	<1	0.27	6.5	11.2	17	6	<1	5.2	42
909	VLS	314	<1	0.23	6.4	5.3	17	7	<1	4.2	43
910	VLS	315	<1	0.20	5.2	6.8	10	4	<1	4.1	35
911	VLS	316	<1	0.14	6.0	11.4	35	9	5	6.8	15
912	VLS	317	<1	<0.02	15.7	22.7	42	18	39	4.0	63
913	VLS	318	<1	0.22	6.4	11.2	16	5	<1	5.8	37
914	VLS	319	<1	0.19	2.1	20.1	14	4	<1	5.9	33
915	VLS	320	<1	0.14	5.3	12.7	21	5	<1	7.7	109

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb	Sn ppm	W ppm
1	TMS 301	<1	2.03	17.9	31.3	53	21	104	8.6	29	<2	9
2	TMS 302	<1	3.24	24.9	18.7	64	40	350	2.7	37	<2	18
3	TMS 303	12	0.91	14.4	18.8	27	16	72	<0.2	34	5.0	14
4	TMS 304	<1	0.70	11.0	8.9	13	11	52	<0.2	12	4.0	12
5	TMS 305	<1	0.87	6.6	9.8	18	8	25	5.9	22	<2	3
6	TMS 306	<1	0.76	8.7	10.7	21	10	42	6.7	28	<2	3
7	TMS 307	<1	1.53	11.0	15.4	32	15	85	5.5	46	<2	4
8	TMS 308	<1	1.03	8.6	11.2	24	7	13	3.6	15	3.0	3
9	TMS 309	<1	0.64	7.1	10.0	14	7	4	0.3	37	<2	2
10	TMS 310	<1	1.64	16.2	13.8	32	23	158	4.8	46	3.0	7
11	TMS 311	<1	0.92	50.4	33.0	61	48	268	10.9	38	5.0	10
12	TMS 312	<1	1.00	16.4	29.4	36	16	61	2.5	43	3.0	10
13	TMS 313	<1	3.52	30.3	24.3	50	40	190	3.2	21	<2	8
14	TMS 314	<1	0.96	8.3	44.8	57	11	12	9.6	38	5.0	<2
15	TMS 315	<1	4.35	4.7	45.7	58	7	9	4.2	41	4.0	4
16	TMS 316	<1	0.91	4.9	28.9	31	6	9	6.0	24	5.0	<2
17	TMS 317	<1	0.72	5.4	30.7	45	9	10	4.6	57	3.0	<2
18	TMS 318	<1	0.73	7.6	27.2	43	5	30	9.0	103	3.0	3
19	TMS 319	<1	1.12	15.5	40.5	87	13	33	5.6	28	2.0	6
20	TMS 320	<1	0.30	21.8	16.0	38	12	63	7.4	38	<2	4
21	TMS 321	<1	0.44	12.6	35.6	72	17	35	5.0	35	3.0	4
22	TMS 322	<1	0.35	10.0	37.9	48	11	29	4.8	24	2.0	4
23	TMS 323	<1	0.42	19.2	10.0	25	12	29	2.0	18	4.0	4
24	TMS 324	<1	0.32	46.1	18.2	32	23	23	0.9	18	7.0	8
25	TMS 325	<1	0.15	26.0	12.3	14	24	274	<0.2	20	4.0	27
26	TMS 326	<1	0.18	25.4	20.9	36	18	99	2.9	19	4.0	9
27	TMS 327	<1	0.48	24.8	17.5	29	22	213	2.9	22	<2	14
28	TMS 328	<1	0.25	16.3	12.9	25	20	97	7.3	26	2.0	6
29	TMS 329	<1	<0.02	24.9	13.4	15	31	191	3.0	28	<2	14
30	TMS 330	<1	0.20	45.7	13.4	18	63	428	1.9	43	2.0	34
31	TMS 331	<1	1.17	16.4	13.6	23	20	145	1.6	21	<2	13
32	TMS 332	<1	2.11	16.4	18.2	31	27	263	1.6	20	<2	48
33	TMS 333	<1	0.21	49.5	13.9	119	132	763	1.5	31	<2	63
34	TMS 334	<1	3.08	0.9	24.5	12	4	1	0.2	<10	5.0	4
35	TMS 335	<1	5.71	3.1	20.3	14	6	13	2.1	<10	3.0	<2
36	TMS 336	<1	5.80	1.1	17.7	15	4	5	3.3	16	4.0	<2
37	TMS 337	<1	1.00	29.2	25.9	99	49	238	2.5	57	3.0	26
38	TMS 338	<1	5.20	3.1	18.2	15	8	16	<0.2	51	2.0	4
39	TMS 339	<1	0.24	6.4	8.3	13	6	15	2.3	115	3.0	2
40	TMS 340	<1	1.52	25.1	15.2	29	38	269	4.7	53	3.0	15
41	TMS 341	<1	6.96	0.7	14.9	15	4	<1	2.1	38	3.0	<2
42	TMS 342	<1	11.33	0.7	14.2	20	5	4	2.8	45	5.0	16
43	TMS 343	<1	9.73	16.4	14.2	52	24	142	4.4	29	3.0	7
44	TGS 301	<1	0.24	7.7	18.2	28	15	27	8.1	38	5.0	4
45	TGS 302	<1	0.23	14.9	27.6	104	23	27	6.7	15	2.0	3
46	TGS 303	<1	0.54	12.0	23.3	44	16	24	5.4	21	12.0	3
47	TGS 304	<1	0.58	11.2	30.9	90	15	10	5.9	13	4.0	2
48	TGS 305	<1	0.47	12.1	27.4	68	10	33	8.6	22	8.0	3
49	TGS 306	<1	0.26	16.9	14.8	57	8	9	1.8	15	4.0	4
50	TGS 307	<1	0.70	9.9	28.1	66	13	21	7.2	43	5.0	3
51	TGS 308	<1	0.40	15.1	45.6	102	12	5	4.2	20	7.0	10
52	TGS 309	<1	0.22	11.1	20.7	69	10	13	2.6	16	4.0	3
53	TGS 310	<1	0.48	10.6	28.0	78	10	10	8.3	25	3.0	<2
54	TGS 311	13	0.34	10.7	22.1	60	11	31	7.3	13	4.0	<2
55	TGS 312	<1	0.14	12.7	27.5	58	13	<1	1.3	19	6.0	3
56	TGS 313	<1	0.24	17.3	39.6	78	16	27	7.6	<10	3.0	2
57	TGS 314	<1	0.29	18.8	44.3	102	15	11	4.2	18	6.0	6
58	TGS 315	<1	0.17	18.2	54.8	124	18	8	5.1	<10	<2	3
59	TGS 316	<1	0.50	13.5	29.5	69	12	32	5.6	26	4.0	3
60	TGS 317	<1	0.13	9.8	15.4	53	9	7	2.6	11	4.0	<2
61	TGS 318	<1	0.09	9.7	35.9	59	10	17	8.6	10	4.0	<2
62	TGS 319	<1	0.32	15.9	37.1	88	13	12	4.5	12	4.0	5
63	TGS 320	<1	0.25	13.4	32.7	77	14	21	6.4	14	3.0	4
64	TGS 321	<1	<0.02	5.0	18.9	30	12	6	1.4	<10	5.0	<2
65	TGS 322	<1	0.04	13.0	91.2	177	27	27	9.7	14	3.0	3
66	TGS 323	<1	0.29	12.2	64.6	122	17	15	6.5	<10	<2	<2
67	TGS 324	<1	0.29	12.0	76.9	91	17	31	8.3	21	3.0	<2
68	TGS 325	<1	0.40	14.7	69.4	90	26	41	16.7	10	5.0	4
69	TGS 326	<1	0.32	8.8	33.6	70	11	27	4.7	21	3.0	4
70	TGS 327	<1	0.32	15.6	29.6	52	11	5	3.9	73	4.0	7
71	TGS 328	<1	0.48	12.3	27.7	51	10	20	9.1	515	5.0	8
72	TGS 329	<1	0.41	13.6	34.4	77	15	44	8.7	7,755	7.0	9
73	TGS 330	<1	0.57	14.9	52.5	85	15	30	11.7	2,300	8.0	11
74	TGS 331	<1	0.41	18.4	92.7	138	18	22	13.6	256	5.0	8
75	TGS 332	<1	0.35	16.5	67.7	111	21	32	11.3	2,253	4.0	3

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb	Sn ppm	W ppm
76	TGS 333	<1	0.19	9.7	54.2	118	13	10	7.0	433	5.0	5
77	TGS 334	<1	0.23	9.3	70.1	97	10	12	6.7	609	6.0	5
78	TGS 335	<1	0.28	15.1	50.7	84	15	32	8.7	321	6.0	10
79	TGS 336	<1	0.20	10.3	41.8	117	24	30	6.9	5,375	2.0	5
80	TGS 337	<1	0.17	11.8	67.3	87	13	12	8.2	726	5.0	7
81	TGS 338	<1	0.17	8.0	54.1	141	22	31	10.2	3,319	3.0	4
82	TGS 339	<1	0.21	10.5	77.1	96	15	42	8.2	634	3.0	<2
83	TGS 340	<1	0.14	4.0	28.6	61	12	24	3.7	2,173	<2	<2
84	TGS 341	<1	0.23	11.8	29.0	67	16	23	5.4	788	<2	<2
85	TGS 342	<1	0.34	6.3	24.3	45	10	26	5.0	495	3.0	5
86	TGS 343	<1	<0.02	13.8	28.4	68	99	112	8.2	1,795	<2	3
87	TGS 344	<1	0.10	5.7	16.9	34	9	23	4.3	383	<2	<2
88	TGS 345	<1	0.05	17.3	34.2	59	24	29	2.5	793	4.0	4
89	TGS 346	<1	0.23	12.7	28.8	93	30	65	4.7	858	<2	2
90	TGS 347	<1	0.02	15.1	109.4	74	155	611	5.3	3,856	4.0	27
91	TGS 348	<1	<0.02	7.6	26.0	41	22	36	4.7	224	2.0	<2
92	TGS 349	<1	0.29	10.8	50.2	106	270	721	5.3	4,955	4.0	29
93	TGS 350	<1	0.28	8.3	21.1	50	32	77	4.6	440	3.0	3
94	TGS 351	<1	0.19	7.3	29.1	54	14	39	5.2	590	3.0	<2
95	TGS 352	<1	0.30	13.3	29.5	56	14	27	5.7	2,454	5.0	<2
96	TGS 353	<1	0.12	8.4	21.5	42	64	187	5.6	268	<2	5
97	TGS 354	<1	0.19	10.9	40.1	109	20	43	5.0	250	<2	<2
98	TGS 355	<1	0.22	6.1	24.5	118	8	20	13.9	473	5.0	8
99	TGS 356	<1	0.26	6.6	26.0	133	5	31	9.4	62	4.0	<2
100	TGS 357	<1	0.11	3.7	29.7	63	7	19	11.7	1,617	7.0	6
101	TGS 358	<1	0.24	4.3	25.2	63	8	16	12.5	783	8.0	7
102	TGS 359	<1	0.05	2.9	22.8	54	7	10	11.8	490	6.0	5
103	TGS 360	<1	0.17	2.3	23.9	34	6	13	11.9	632	8.0	8
104	TGS 361	<1	0.24	2.7	27.5	49	6	12	16.3	2,267	7.0	8
105	TGS 362	<1	0.21	4.1	26.7	72	6	19	12.2	156	7.0	11
106	TGS 363	<1	0.14	4.2	25.9	91	6	14	11.7	1,103	4.0	8
107	TGS 364	<1	0.14	3.6	32.8	101	6	17	11.0	323	7.0	17
108	TGS 365	<1	0.15	3.7	24.0	92	6	16	10.7	1,463	6.0	6
109	TGS 366	<1	0.10	5.6	24.4	130	6	22	11.2	193	4.0	8
110	TGS 367	<1	0.39	3.4	27.8	40	7	11	9.0	664	4.0	22
111	TGS 368	<1	3.12	2.4	37.5	38	6	9	9.2	6,030	8.0	167
112	TGS 369	<1	0.30	3.0	24.8	42	8	9	8.5	109	3.0	16
113	TGS 370	<1	2.58	<0.2	55.5	26	5	5	6.8	1,542	21.0	496
114	TGS 371	<1	0.44	3.5	24.6	57	7	10	8.0	701	3.0	7
115	TGS 372	<1	1.96	2.0	37.6	33	4	4	8.4	413	3.0	46
116	TGS 373	<1	0.31	6.6	19.0	88	5	7	8.6	289	<2	5
117	TGS 374	<1	0.23	5.0	22.4	83	6	9	8.5	650	6.0	5
118	TGS 375	<1	0.28	5.5	18.6	88	4	8	5.3	182	2.0	3
119	TGS 376	<1	0.17	7.9	31.2	149	6	22	7.9	702	5.0	3
120	TGS 377	<1	0.28	10.7	47.0	234	7	43	8.5	1,636	3.0	5
121	TGS 378	<1	<0.02	6.4	32.2	117	8	22	9.7	288	6.0	5
122	TGS 379	<1	0.3	4.2	28.8	66	8	16	8.6	508	9.0	12
123	TGS 380	<1	0.15	7.6	30.9	120	9	15	14.2	795	3.0	6
124	TGS 381	32	0.26	15.5	21.6	80	16	41	18.9	800	4.0	4
125	TGS 382	<1	0.15	4.7	26.2	87	6	14	11.6	235	6.0	3
126	TGS 383	<1	0.28	4.8	27.9	82	8	18	12.1	1,121	6.0	7
127	TGS 384	<1	0.30	6.6	84.3	170	8	7	23.6	1,250	3.0	7
128	TGS 385	<1	0.18	2.9	24.6	35	7	8	8.7	1,153	<2	5
129	TGS 386	<1	0.25	4.1	23.4	40	7	9	10.3	2,805	7.0	9
130	TGS 387	92	0.48	7.1	21.4	104	7	16	10.0	498	3.0	6
131	TGS 388	<1	0.22	6.1	23.5	36	7	5	6.4	347	7.0	12
132	THS 301	<1	0.63	16.8	40.7	72	14	36	7.1	1,168	3.0	13
133	THS 302	<1	0.41	15.2	45.4	83	15	20	8.3	358	4.0	6
134	THS 303	<1	0.45	17.0	46.5	97	19	45	10.6	1,215	3.0	8
135	THS 304	<1	0.32	10.7	26.1	66	13	19	5.7	678	<2	5
136	THS 305	<1	0.44	11.3	62.4	86	14	22	8.5	79	3.0	4
137	THS 306	<1	0.56	14.9	39.8	89	14	20	8.8	1,360	3.0	6
138	THS 307	<1	0.28	5.6	53.5	50	8	6	8.1	801	<2	<2
139	THS 308	<1	0.45	15.5	44.6	82	16	19	12.0	179	3.0	6
140	THS 309	1	0.33	7.6	25.6	47	7	7	6.1	782	4.0	<2
141	THS 310	<1	0.38	10.2	38.9	69	11	13	8.0	48	<2	<2
142	THS 311	<1	0.72	14.3	24.3	57	16	16	7.5	71	5.0	6
143	THS 312	<1	0.49	12.0	17.3	26	11	16	9.4	63	3.0	5
144	THS 313	<1	0.66	16.4	23.7	68	16	15	7.2	50	6.0	6
145	THS 314	<1	0.58	10.1	22.3	44	15	21	9.0	138	5.0	6
146	THS 315	<1	0.73	18.8	25.2	77	14	28	6.6	42	8.0	8
147	THS 316	<1	0.68	15.4	17.4	66	18	39	7.1	80	8.0	7
148	THS 317	<1	0.65	16.8	40.1	69	18	19	8.3	72	5.0	2
149	THS 318	12	0.63	14.6	18.7	65	15	17	7.7	58	5.0	5
150	THS 319	<1	0.90	14.0	26.9	51	12	20	14.4	111	8.0	6

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb	Sn ppm	W ppm
151	THS 320	1	0.67	36.2	13.4	30	10	21	6.3	99	7.0	9
152	THS 321	<1	0.65	16.0	22.7	69	14	27	8.5	41	4.0	9
153	THS 322	<1	1.02	13.8	39.3	66	11	23	17.3	45	8.0	10
154	THS 323	<1	0.75	17.7	24.1	69	14	39	9.1	63	10.0	11
155	THS 324	<1	0.81	6.7	24.7	41	9	25	11.1	58	8.0	17
156	THS 325	<1	0.68	11.0	24.5	47	12	23	10.1	70	6.0	7
157	THS 326	<1	0.66	9.8	29.7	54	9	17	9.8	44	5.0	7
158	THS 327	<1	1.16	13.5	34.2	35	8	30	16.1	47	5.0	15
159	THS 328	<1	0.77	12.9	29.6	59	10	8	11.6	47	5.0	5
160	THS 329	<1	0.88	18.7	55.5	79	17	16	13.4	81	6.0	10
161	THS 330	2	0.91	14.8	31.5	70	13	22	14.5	46	6.0	8
162	THS 331	<1	0.97	9.7	23.9	55	12	19	8.9	57	6.0	6
163	THS 332	24	0.98	16.5	36.5	65	15	37	14.1	55	11.0	11
164	THS 333	2	0.98	25.3	115.7	119	10	3	19.9	83	3.0	5
165	THS 334	4	0.97	13.8	24.9	51	8	6	16.2	67	5.0	4
166	THS 335	7	0.87	12.3	34.7	43	8	6	14.3	56	4.0	5
167	THS 336	1	1.03	23.1	25.8	41	9	7	14.4	35	4.0	5
168	THS 337	2	0.76	13.6	28.6	47	11	8	13.2	51	5.0	4
169	THS 338	1	0.82	14.6	24.0	50	15	17	12.5	41	5.0	7
170	THS 339	<1	0.87	8.3	20.0	38	10	12	10.9	28	7.0	9
171	THS 340	7	0.48	14.4	24.0	47	16	15	11.3	45	5.0	5
172	THS 341	<1	0.48	10.7	27.3	42	10	9	10.7	48	2.0	5
173	THS 342	<1	0.54	13.7	26.2	53	14	25	13.3	46	5.0	10
174	THS 343	<1	0.93	9.4	22.9	33	15	26	20.1	64	7.0	14
175	THS 344	<1	0.84	11.4	15.9	35	8	14	9.7	22	3.0	9
176	THS 345	<1	0.62	12.5	23.2	49	13	17	8.5	781	3.0	7
177	THS 346	<1	0.57	26.7	22.9	82	31	31	10.5	62	5.0	4
178	THS 347	<1	0.38	17.1	24.1	47	14	14	10.4	59	8.0	6
179	THS 348	<1	0.59	9.0	35.2	56	10	17	11.6	31	7.0	12
180	THS 349	<1	0.27	5.2	21.2	28	6	16	9.7	50	5.0	9
181	THS 350	<1	0.15	6.3	23.6	28	5	22	14.2	37	6.0	12
182	THS 351	<1	0.18	5.4	23.4	36	6	18	5.9	28	5.0	11
183	THS 352	<1	0.57	11.9	26.6	82	11	49	13.7	46	5.0	7
184	THS 353	<1	0.28	7.8	27.0	42	10	24	9.0	35	7.0	8
185	THS 354	<1	0.38	13.2	21.9	83	10	42	18.3	44	10.0	9
186	THS 355	<1	0.35	11.6	31.2	90	12	41	11.0	27	10.0	11
187	THS 356	<1	0.69	15.3	29.6	140	10	60	11.7	31	10.0	4
188	THS 357	<1	0.71	16.7	32.9	132	13	65	13.0	33	9.0	11
189	THS 358	<1	0.59	16.5	33.8	159	10	60	8.7	56	8.0	3
190	THS 359	<1	0.49	11.8	27.7	92	9	43	5.8	282	9.0	2
191	THS 360	<1	0.29	11.2	31.4	84	9	32	10.7	22	13.0	10
192	THS 361	<1	0.37	11.0	24.6	91	19	48	9.0	57	14.0	12
193	THS 362	<1	0.39	12.4	40.7	93	11	42	9.4	25	6.0	9
194	THS 363	<1	0.48	12.4	36.9	99	11	50	6.9	36	8.0	6
195	THS 364	<1	0.12	7.2	33.9	41	8	27	8.5	24	8.0	9
196	THS 365	<1	0.16	7.2	36.0	57	18	47	9.4	32	8.0	10
197	THS 366	<1	0.24	9.7	30.9	76	11	43	6.6	18	8.0	13
198	THS 367	<1	0.10	5.6	28.7	41	8	24	5.7	30	5.0	8
199	TAS 301	3	0.04	254.0	17.3	33	76	429	4.9	25	4.0	10
200	TAS 302	<1	0.10	46.2	15.4	34	86	433	5.4	22	3.0	11
201	TAS 303	<1	0.03	6.0	9.7	38	10	17	6.0	20	3.0	<2
202	TAS 304	<1	0.19	7.8	9.8	28	13	19	7.3	24	<2	<2
203	TAS 305	<1	0.24	5.6	10.6	23	8	9	6.1	<10	3.0	<2
204	TAS 306	<1	0.24	5.6	10.7	19	7	8	5.7	14	<2	<2
205	TAS 307	<1	0.14	8.7	17.2	44	11	10	9.7	32	3.0	<2
206	TAS 308	<1	0.27	5.5	23.9	22	8	9	4.5	42	<2	<2
207	TAS 309	<1	0.14	6.2	12.4	26	9	9	6.1	14	2.0	<2
208	TAS 310	<1	0.21	4.9	8.4	14	7	12	6.2	16	<2	<2
209	TAS 311	<1	0.20	13.3	20.0	39	14	83	5.8	16	3.0	4
210	TAS 312	<1	0.32	12.3	19.6	51	24	66	8.1	20	<2	<2
211	TAS 313	<1	0.43	8.2	27.9	87	9	13	8.1	<10	3.0	<2
212	TAS 314	<1	0.75	6.7	80.2	52	8	11	10.3	20	7.0	6
213	TAS 315	<1	0.61	17.2	51.9	56	19	29	8.5	45	4.0	9
214	TAS 316	<1	0.52	11.9	46.0	41	11	37	9.3	22	5.0	6
215	TAS 317	<1	0.63	8.3	34.0	44	12	16	6.3	21	5.0	6
216	TAS 318	<1	0.50	12.2	57.9	49	13	37	9.7	14	5.0	6
217	TAS 319	<1	0.57	10.7	31.6	50	19	71	6.9	19	2.0	3
218	TAS 320	<1	1.09	18.3	82.7	94	12	62	8.9	22	7.0	4
219	TAS 321	<1	0.79	10.5	66.8	104	9	27	15.3	15	4.0	19
220	TAS 322	<1	0.39	14.4	66.1	107	16	30	11.9	13	<2	3
221	TAS 323	<1	0.42	22.9	177.7	269	23	38	16.9	15	4.0	4
222	TAS 324	<1	0.44	14.5	15.3	77	42	187	4.8	27	<2	5
223	TAS 325	<1	0.56	8.2	69.9	43	7	8	9.5	24	8.0	<2
224	TAS 326	<1	0.55	9.0	106.3	72	11	16	10.2	21	9.0	7
225	TAS 327	<1	0.37	10.7	38.4	40	17	44	11.4	40	4.0	11

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

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb	Sn ppm	W ppm
226	TAS 328	<1	0.64	9.0	65.2	50	10	36	8.8	33	5.0	9
227	TAS 329	<1	0.60	6.3	74.8	38	10	28	9.3	39	5.0	11
228	TAS 330	<1	0.49	8.5	113.8	68	8	26	10.0	35	4.0	6
229	TAS 331	<1	0.58	9.0	83.8	61	14	45	8.3	35	3.0	6
230	TAS 332	<1	0.53	7.7	132.0	68	10	25	8.8	36	3.0	6
231	TAS 333	<1	0.54	8.1	60.3	47	14	28	6.3	25	3.0	8
232	TAS 334	<1	0.62	11.7	37.9	43	17	31	9.6	36	4.0	9
233	TAS 335	<1	0.66	8.8	33.9	51	9	25	3.7	43	8.0	<2
234	TAS 336	<1	0.94	12.3	59.2	74	11	26	7.8	39	3.0	10
235	TAS 337	<1	0.79	9.9	82.8	84	21	48	9.8	125	4.0	11
236	TAS 338	<1	1.19	18.2	356.7	217	15	11	15.8	81	5.0	7
237	TAS 339	<1	0.56	10.8	53.5	49	11	23	9.5	43	4.0	7
238	TAS 340	<1	0.64	13.8	94.4	78	12	21	12.4	42	6.0	8
239	TAS 341	<1	0.59	14.1	45.3	43	12	31	11.9	48	6.0	10
240	TAS 342	<1	0.55	10.5	37.6	48	12	42	9.8	52	5.0	9
241	TAS 343	<1	0.41	6.5	31.6	24	8	9	8.9	32	4.0	8
242	TAS 344	<1	0.49	9.1	42.2	61	11	14	8.9	13	3.0	3
243	TAS 345	<1	0.23	7.3	34.5	31	30	56	7.9	41	2.0	<2
244	TAS 346	<1	0.44	8.4	29.5	43	10	21	8.6	17	<2	<2
245	TAS 347	<1	0.41	8.7	30.3	41	10	23	9.9	26	3.0	<2
246	TAS 348	<1	0.35	6.5	24.4	24	8	13	9.5	36	4.0	6
247	TAS 349	<1	0.61	12.1	85.7	58	17	17	12.1	31	<2	4
248	TAS 350	<1	0.58	13.3	42.4	49	17	42	10.7	26	6.0	5
249	TAS 351	<1	0.75	13.1	85.5	70	13	26	13.5	47	4.0	6
250	TAS 352	<1	0.90	11.0	46.1	36	9	33	14.2	149	4.0	8
251	TAS 353	<1	0.73	12.9	33.4	58	10	26	11.2	46	5.0	7
252	TAS 354	<1	0.65	12.2	37.8	45	13	24	12.4	28	7.0	6
253	TAS 355	1	0.64	12.5	35.6	57	12	28	10.9	27	6.0	6
254	TAS 356	1	0.90	11.1	179.1	181	10	19	9.8	37	4.0	5
255	TAS 357	<1	0.71	8.9	88.8	76	12	18	7.9	35	3.0	6
256	TAS 358	<1	0.88	11.8	71.7	70	12	35	11.1	24	6.0	11
257	TAS 359	<1	0.60	10.7	68.0	45	11	36	13.4	37	5.0	12
258	TAS 360	<1	0.63	7.8	63.4	38	9	16	10.5	28	5.0	8
259	TAS 361	<1	0.37	30.7	21.1	44	21	44	11.1	17	<2	3
260	TAS 362	<1	0.51	21.4	30.2	47	15	49	6.7	27	<2	3
261	TAS 363	<1	0.31	5.2	28.1	46	7	6	11.3	11	6.0	5
262	TAS 364	<1	0.31	3.6	24.8	40	3	11	9.2	<10	4.0	9
263	TAS 365	<1	0.28	2.7	36.8	32	4	5	5.4	<10	4.0	4
264	TAS 366	<1	0.19	0.5	24.4	12	2	4	6.7	<10	3.0	3
265	TAS 367	<1	0.17	1.1	21.4	16	3	4	5.6	<10	6.0	3
266	TAS 368	<1	0.31	6.0	34.4	42	6	19	20.3	17	14.0	10
267	TAS 369	<1	0.05	1.6	15.3	17	3	6	12.8	<10	3.0	4
268	TAS 370	<1	0.31	6.2	30.3	52	8	20	12.6	<10	6.0	13
269	TAS 371	<1	0.25	1.6	16.1	17	5	13	8.1	13	6.0	3
270	TAS 372	<1	0.64	13.3	55.6	143	15	59	15.2	19	9.0	5
271	TAS 373	<1	0.38	7.7	35.8	58	9	27	25.6	10	24.0	10
272	TAS 374	<1	0.38	9.2	38.4	116	9	30	16.9	26	12.0	15
273	TAS 375	<1	0.42	10.6	42.0	89	13	52	19.6	24	8.0	10
274	TAS 376	<1	0.10	1.7	13.2	12	5	3	5.2	16	4.0	<2
275	TAS 377	<1	0.29	2.2	15.0	23	5	3	5.6	<10	2.0	<2
276	TAS 378	<1	0.12	1.3	16.8	13	4	1	7.5	11	6.0	<2
277	TAS 379	<1	0.14	2.7	22.1	32	3	<1	8.2	10	<2	<2
278	TAS 380	<1	0.07	1.0	11.0	11	3	<1	4.4	42	2.0	<2
279	TAS 381	<1	0.44	10.2	44.0	106	12	21	10.0	18	10.0	5
280	TAS 382	<1	0.11	5.2	22.4	57	6	11	7.7	15	6.0	3
281	TAS 383	<1	<0.02	2.3	18.7	19	4	5	3.4	15	3.0	3
282	TAS 384	<1	0.05	7.9	38.9	58	9	18	13.0	32	8.0	6
283	TAS 385	<1	0.03	7.4	32.8	57	11	22	7.8	14	7.0	<2
284	TAS 386	<1	0.16	13.7	229.9	142	337	1,083	11.7	23	6.0	22
285	TAS 387	<1	0.13	2.6	16.8	31	8	25	5.0	22	3.0	<2
286	TAS 388	<1	0.02	2.6	34.9	29	8	36	26.4	<10	4.0	5
287	TAS 389	<1	0.12	7.0	31.1	58	28	100	13.4	12	7.0	10
288	TAS 390	<1	0.35	11.0	42.2	95	10	30	12.4	26	11.0	6
289	TAS 391	<1	0.20	9.0	44.8	65	10	43	10.9	28	12.0	3
290	TAS 392	<1	0.15	7.6	33.4	73	18	27	8.6	11	8.0	<2
291	TAS 393	15	0.26	14.1	52.0	83	16	67	12.6	31	14.0	10
292	TAS 394	<1	0.41	7.4	37.1	85	7	26	14.1	18	16.0	13
293	TAS 395	<1	0.16	7.3	30.0	59	21	36	11.9	13	5.0	6
294	TAS 396	<1	0.44	9.5	33.8	86	11	38	7.7	39	8.0	10
295	TAS 397	<1	0.54	9.8	47.0	106	9	35	7.6	19	8.0	5
296	TAS 398	<1	0.71	11.5	46.3	125	10	49	8.3	23	8.0	9
297	TAS 399	<1	0.31	11.6	36.6	92	12	41	10.4	57	7.0	8
298	TAS 400	<1	0.44	9.4	34.3	100	19	56	9.4	34	9.0	9
299	TSS 301	<1	0.63	7.1	32.3	28	11	45	11.2	90	8.0	11
300	TSS 302	<1	0.71	13.0	33.2	60	20	61	21.5	23	9.0	11

7. Assay Results on Stream Sediment Geochemical Samples in the Western Thanh Hoa Area (5)

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb	Sn ppm	W ppm
301	TSS 303	<1	0.75	8.6	22.2	67	9	30	13.3	46	9.0	7
302	TSS 304	<1	0.44	8.1	22.0	44	9	11	19.8	39	3.0	5
303	TSS 305	<1	0.62	11.5	28.7	57	11	17	18.0	31	5.0	5
304	TSS 306	<1	0.70	10.7	27.2	51	11	26	19.1	50	6.0	12
305	TSS 307	<1	0.65	18.2	39.9	79	12	63	12.0	41	8.0	11
306	TSS 308	<1	0.40	8.6	20.4	50	7	27	7.0	11	7.0	5
307	TSS 309	<1	0.38	11.0	31.4	59	13	25	11.9	24	5.0	5
308	TSS 310	<1	0.30	7.3	29.6	53	8	20	9.8	14	3.0	4
309	TSS 311	<1	0.33	10.6	26.9	62	12	20	10.6	31	3.0	4
310	TSS 312	<1	0.47	6.2	15.7	36	8	17	12.7	18	4.0	6
311	TSS 313	7	0.32	11.7	21.9	36	13	26	11.5	65	6.0	7
312	TSS 314	1	0.65	11.2	28.5	58	13	30	10.3	24	4.0	8
313	TSS 315	<1	0.57	11.2	19.3	38	9	22	16.9	25	6.0	9
314	TSS 316	1	0.56	12.8	18.3	35	8	14	15.3	17	7.0	5
315	TSS 317	2	0.62	8.4	16.8	27	6	18	14.0	25	7.0	10
316	TSS 318	<1	0.59	7.3	19.2	43	8	13	14.3	19	3.0	4
317	TSS 319	1	0.58	4.5	15.3	31	8	16	16.5	34	4.0	6
318	TSS 320	<1	0.63	8.6	17.0	32	8	16	14.2	16	8.0	9
319	TSS 321	<1	0.64	13.2	14.6	23	12	26	11.3	16	5.0	15
320	TSS 322	<1	0.35	7.9	21.7	50	7	31	5.4	14	7.0	5
321	TSS 323	<1	0.35	11.6	19.1	40	11	24	5.8	<10	3.0	3
322	TSS 324	<1	0.78	13.3	29.8	63	11	39	12.7	<10	7.0	15
323	TSS 325	<1	0.52	9.1	36.8	65	12	28	11.4	<10	5.0	8
324	TSS 326	<1	0.31	12.2	31.7	59	12	32	7.6	<10	4.0	9
325	TSS 327	<1	0.33	7.5	25.2	62	12	30	4.8	15	6.0	3
326	TSS 328	<1	0.43	10.2	30.4	70	13	34	10.8	18	6.0	8
327	TSS 329	<1	0.28	5.8	22.5	58	5	14	5.6	107	5.0	4
328	TSS 330	<1	0.57	8.2	24.1	81	6	20	4.8	16	6.0	2
329	TSS 331	<1	0.51	10.8	34.2	87	8	16	6.7	<10	5.0	4
330	TSS 332	<1	0.37	11.7	25.3	58	10	21	10.4	11	4.0	6
331	TSS 333	<1	0.58	7.6	26.9	33	6	26	8.7	16	8.0	11
332	TSS 334	<1	0.37	6.3	25.3	29	6	22	7.4	16	7.0	13
333	TSS 335	<1	0.48	9.0	28.8	42	11	23	8.1	21	8.0	9
334	TSS 336	<1	0.42	9.9	25.7	44	7	27	8.4	13	5.0	10
335	TSS 337	<1	0.33	19.6	28.6	50	12	40	17.0	26	3.0	11
336	TSS 338	<1	0.35	5.9	20.4	25	7	18	9.1	15	5.0	12
337	TSS 339	5	0.39	7.9	20.2	33	8	19	8.8	12	4.0	6
338	TSS 340	<1	0.21	14.1	34.7	98	54	64	8.3	<10	<2	3
339	TSS 341	<1	0.37	12.3	28.3	60	32	53	6.3	<10	2.0	<2
340	TSS 342	<1	0.32	14.5	34.0	81	30	43	6.4	<10	<2	<2
341	TSS 343	<1	0.19	11.2	47.7	92	28	37	7.7	<10	2.0	<2
342	TSS 344	<1	0.51	11.9	91.5	163	34	70	10.4	<10	3.0	4
343	TSS 345	<1	0.11	10.1	84.0	144	15	17	13.1	<10	3.0	4
344	TSS 346	<1	0.33	17.2	98.7	158	24	37	9.5	<10	3.0	3
345	TSS 347	<1	0.21	19.5	38.3	102	64	76	7.3	<10	<2	4
346	TSS 348	<1	0.47	13.8	40.2	86	44	51	8.0	<10	<2	<2
347	TSS 349	<1	0.48	22.0	44.7	104	26	29	5.7	<10	3.0	2
348	TSS 350	<1	0.34	6.1	24.8	61	9	18	8.8	<10	4.0	4
349	TSS 351	<1	0.51	9.2	24.8	43	12	13	12.2	13	6.0	6
350	TSS 352	<1	0.55	10.6	28.3	55	12	13	12.8	<10	<2	5
351	TSS 353	<1	0.39	12.2	53.0	96	22	30	9.2	<10	3.0	2
352	TSS 354	<1	0.36	10.3	51.3	153	50	39	7.9	<10	5.0	3
353	TSS 355	<1	0.78	8.3	21.8	58	11	4	24.6	<10	5.0	6
354	TSS 356	<1	0.71	9.5	25.4	83	8	31	14.8	157	6.0	8
355	TSS 357	<1	0.47	4.1	17.6	34	6	4	9.7	<10	8.0	7
356	TSS 358	<1	0.78	9.0	25.6	63	13	11	21.0	16	6.0	9
357	TSS 359	<1	0.60	8.6	26.6	57	10	7	23.4	<10	6.0	8
358	TSS 360	<1	0.73	7.6	25.7	57	9	4	25.5	<10	8.0	8
359	TSS 361	<1	0.72	6.5	19.2	47	9	4	16.7	12	6.0	5
360	TSS 362	<1	0.66	8.0	24.2	55	10	6	22.9	12	6.0	7
361	TSS 363	<1	0.91	9.1	23.9	66	9	8	25.6	<10	8.0	8
362	TSS 364	<1	1.61	19.1	36.1	188	11	82	14.3	13	5.0	7
363	TSS 365	<1	0.78	8.4	22.6	57	9	9	17.3	<10	6.0	7
364	TSS 366	<1	0.89	8.4	23.6	54	9	7	20.7	<10	6.0	6
365	TSS 367	<1	0.67	9.9	27.5	104	9	26	12.4	19	8.0	8
366	TSS 368	<1	1.96	27.7	38.0	285	10	101	18.3	<10	7.0	16
367	TSS 369	<1	0.66	8.2	25.3	60	13	8	22.4	<10	4.0	5
368	TSS 370	<1	0.67	7.5	25.6	69	9	13	14.6	11	6.0	7
369	TSS 371	<1	1.15	14.6	26.3	137	9	40	19.4	115	4.0	7
370	TSS 372	<1	0.64	8.3	25.6	55	9	9	19.5	<10	9.0	10
371	TSS 373	<1	1.10	15.8	36.2	110	12	32	15.6	15	7.0	10
372	TSS 374	<1	0.86	9.7	25.5	81	9	12	22.2	12	5.0	8
373	TSS 375	<1	0.83	9.6	31.4	76	9	27	14.1	25	7.0	10
374	TSS 376	<1	0.58	6.1	37.5	46	7	12	9.5	16	7.0	10
375	TSS 377	<1	1.09	17.3	45.9	165	7	45	8.3	12	5.0	2

7. Assay Results on Stream Sediment Geochemical Samples in the Western Thanh Hoa Area (6)

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb	Sn ppm	W ppm
376	TSS	378	<1	0.85	6.1	19.2	63	9	22	8.5	16	8.0	9
377	TSS	379	<1	1.02	14.7	28.8	108	8	54	12.7	14	9.0	8
378	TSS	380	<1	0.59	8.6	24.4	61	7	12	17.6	13	8.0	11
379	TSS	381	<1	0.52	8.2	35.7	68	7	11	13.5	12	8.0	9
380	TSS	382	<1	0.30	7.9	42.5	65	7	23	10.1	16	7.0	11
381	TSS	383	<1	0.45	8.1	24.5	47	9	11	18.2	12	6.0	6
382	TSS	384	<1	0.54	10.9	25.8	81	10	30	22.5	<10	5.0	9
383	TSS	385	<1	0.21	5.3	22.6	31	6	7	22.8	11	6.0	8
384	TSS	386	<1	1.91	7.0	31.1	67	5	13	8.3	<10	4.0	11
385	TSS	387	<1	0.28	4.3	35.6	38	5	7	7.2	<10	7.0	38
386	TSS	388	<1	2.57	0.5	73.8	24	2	3	11.4	11	22.0	191
387	TSS	389	<1	1.81	4.9	71.7	45	3	3	7.9	<10	40.0	1,580
388	TSS	390	<1	0.64	15.5	29.2	100	4	10	8.8	<10	9.0	381
389	TSS	391	<1	1.34	35.0	50.2	270	6	32	7.7	<10	<2	8
390	TSS	392	<1	5.85	2.4	45.5	33	4	<1	5.2	29	10.0	4
391	TBS	301	<1	3.55	1.3	7.5	17	2	6	5.3	<10	3.0	<2
392	TBS	302	<1	6.64	1.0	17.3	17	2	4	7.2	<10	4.0	5
393	TBS	303	<1	0.16	6.6	10.4	38	10	22	5.3	<10	<2	<2
394	TBS	304	<1	0.21	24.9	38.3	103	50	173	7.8	<10	2.0	7
395	TBS	305	<1	0.03	31.9	16.5	87	79	347	6.9	26	<2	10
396	TBS	306	<1	0.29	14.7	53.6	68	18	94	8.0	23	3.0	7
397	TBS	307	<1	0.23	28.2	12.5	93	50	314	8.5	17	<2	8
398	TBS	308	<1	0.23	34.2	18.6	113	70	675	6.1	17	<2	17
399	TBS	309	<1	0.08	6.7	11.6	35	11	38	7.6	13	<2	<2
400	TBS	310	<1	0.31	13.9	70.5	85	12	44	11.4	15	2.0	6
401	TBS	311	<1	0.49	8.6	72.5	63	7	45	6.4	<10	7.0	<2
402	TBS	312	<1	0.36	9.8	59.0	61	10	37	9.3	14	4.0	4
403	TBS	313	<1	0.61	17.2	64.8	49	11	44	24.5	16	5.0	14
404	TBS	314	<1	4.68	12.4	151.7	168	10	51	11.5	38	2.0	11
405	TBS	315	<1	0.68	17.0	90.1	81	15	72	10.6	30	8.0	13
406	TBS	316	<1	0.41	12.3	69.9	59	9	51	11.3	13	7.0	15
407	TBS	317	<1	0.53	16.8	51.5	73	12	47	8.8	23	5.0	14
408	TBS	318	<1	0.45	13.3	34.0	59	12	38	8.3	22	4.0	13
409	TBS	319	<1	0.53	18.2	93.3	79	17	59	8.6	33	7.0	7
410	TBS	320	<1	0.54	13.8	73.3	50	14	69	12.3	33	5.0	15
411	TBS	321	<1	0.56	16.1	174.6	74	17	82	8.0	39	5.0	6
412	TBS	322	<1	0.49	13.4	137.9	73	11	47	11.8	29	4.0	18
413	TBS	323	<1	0.56	16.3	67.1	65	14	64	11.9	27	5.0	17
414	TBS	324	<1	0.39	14.4	48.8	68	13	64	13.7	33	3.0	10
415	TBS	325	<1	0.38	9.1	73.1	21	6	60	15.8	34	9.0	17
416	TBS	326	<1	0.52	11.0	112.5	54	12	57	12.5	43	8.0	5
417	TBS	327	<1	0.28	6.8	45.0	27	6	26	11.7	29	7.0	8
418	TBS	328	<1	0.51	11.5	69.8	45	10	56	11.5	33	3.0	12
419	TBS	329	<1	0.58	9.9	55.1	76	9	37	11.1	18	5.0	10
420	TBS	330	<1	0.42	13.7	66.2	107	13	48	16.5	18	6.0	8
421	TBS	331	<1	0.47	7.8	65.9	53	7	58	9.6	26	6.0	2
422	TBS	332	<1	0.54	9.9	78.4	28	6	62	18.3	30	5.0	10
423	TBS	333	<1	0.51	10.2	99.5	31	7	58	15.0	33	4.0	11
424	TBS	334	<1	0.35	7.4	51.2	26	6	41	11.3	21	4.0	11
425	TBS	335	<1	0.53	11.6	88.0	54	10	73	9.9	22	5.0	5
426	TBS	336	<1	0.36	8.3	49.3	53	7	30	7.9	20	4.0	9
427	TBS	337	<1	0.62	10.1	71.7	25	6	67	6.8	33	6.0	8
428	TBS	338	<1	0.38	9.0	57.7	22	6	64	10.8	16	4.0	20
429	TBS	339	1	0.28	6.9	35.7	20	14	42	8.6	25	5.0	11
430	TBS	340	<1	0.25	5.4	26.6	17	4	24	7.5	16	4.0	9
431	TBS	341	<1	0.33	8.2	51.5	30	7	41	12.2	24	5.0	9
432	TBS	342	<1	0.72	12.3	80.5	59	10	79	13.5	17	7.0	10
433	TBS	343	<1	0.58	9.7	64.7	29	6	24	17.7	32	6.0	9
434	TBS	344	<1	0.53	7.6	45.3	30	7	30	15.4	24	7.0	11
435	TBS	345	<1	1.28	19.7	42.9	133	20	96	11.6	22	2.0	3
436	TBS	346	<1	0.49	14.2	37.1	78	13	50	16.2	413	6.0	11
437	TBS	347	<1	0.64	12.1	45.4	76	13	63	10.4	29	4.0	10
438	TBS	348	<1	0.36	10.5	38.1	77	12	23	11.1	<10	3.0	<2
439	TBS	349	<1	0.11	19.4	24.4	61	20	53	9.0	19	<2	<2
440	TBS	350	<1	0.58	13.2	37.4	196	8	27	15.3	14	8.0	2
441	TBS	351	<1	0.61	12.1	55.6	54	173	794	10.0	<10	5.0	15
442	TBS	352	<1	0.36	16.2	18.4	86	11	14	4.6	12	3.0	<2
443	TBS	353	<1	0.16	5.7	23.6	96	6	3	6.1	16	4.0	<2
444	TBS	354	<1	0.52	5.9	32.8	135	5	3	7.4	20	<2	<2
445	TBS	355	<1	0.11	6.1	37.0	64	17	9	10.4	<10	4.0	<2
446	TBS	356	<1	0.35	7.8	32.8	77	5	2	7.3	<10	4.0	<2
447	TBS	357	2	0.31	9.3	29.1	101	9	23	8.5	15	<2	<2
448	TBS	358	<1	0.20	7.3	35.8	74	8	32	13.4	12	4.0	4
449	TBS	359	<1	0.44	10.8	47.9	166	11	21	13.1	<10	5.0	4
450	TBS	360	<1	0.09	1.4	13.8	18	5	7	3.8	<10	3.0	<2

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

No.	Sample No. Unit		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cr ppm	As ppm	Hg ppb	Sn ppm	W ppm
451	TBS	361	<1	0.09	2.9	19.4	53	5	3	6.0	<10	4.0	<2
452	TBS	362	<1	<0.02	1.4	10.7	14	26	73	4.7	<10	4.0	<2
453	TBS	363	<1	0.14	2.2	17.0	38	4	2	3.9	<10	<2	<2
454	TBS	364	<1	<0.02	1.3	13.0	17	3	1	4.5	12	4.0	<2
455	TBS	365	<1	0.14	1.4	15.9	17	7	5	4.3	<10	4.0	<2
456	TBS	366	<1	0.10	0.8	9.8	9	13	9	4.2	<10	<2	<2
457	TBS	367	<1	0.05	0.4	8.4	6	5	4	4.6	<10	<2	<2
458	TBS	368	<1	0.18	1.7	16.0	26	5	5	5.0	<10	3.0	<2
459	TBS	369	<1	0.07	2.2	20.7	32	11	12	6.2	<10	2.0	<2
460	TBS	370	<1	0.08	3.5	17.5	50	16	20	6.2	<10	4.0	<2
461	TBS	371	<1	0.35	10.1	205.1	75	60	86	11.3	<10	6.0	5
462	TBS	372	<1	0.38	10.6	34.0	153	24	68	6.5	13	3.0	<2
463	TBS	373	<1	0.31	6.6	30.7	68	9	14	6.8	<10	5.0	2
464	TBS	374	<1	0.34	5.7	28.4	67	8	9	5.1	<10	5.0	<2
465	TBS	375	<1	0.26	5.6	30.2	56	13	14	4.9	<10	<2	<2
466	TBS	376	<1	0.43	4.6	30.0	50	8	10	5.1	<10	<2	<2
467	TBS	377	<1	0.13	4.6	31.0	40	20	7	7.7	<10	8.0	2
468	TBS	378	<1	0.17	3.2	17.1	51	5	5	4.2	<10	<2	<2
469	TBS	379	<1	0.06	3.0	17.8	49	5	4	5.6	<10	<2	<2