ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 89.03.21

ASSESSMENT REPORT 17170 — MINING DIVISION: Similkameen

PROPERTY: Britton Creek
LOCATION: LAT 49 31 42 LONG 120 54 00
UTM 10 5488090 651967
NTS 092H10W
CLAIM(S): R 1-3,D 1-3,J&L 1,J&L 2Fr.-3Fr.
OPERATOR(S): Tiffany Res.
AUTHOR(S): Chamberlain, J.A.
REPORT YEAR: 1988, 45 Pages
COMMODITIES SEARCHED FOR: Platinum,Gold,Chromium/Chromite,Nickel,Palladium,Osmium,Iridium

GEOLOGICAL SUMMARY:

The claims are underlain by ultramafic rocks of the Tulameen Ultramafic Complex. Native platinum and gold have been recovered from the Tulameen River, adjacent to the claims. Some of the chromite-rich parts of the ultramafic rocks contain up to 4400 ppb platinum. The present study delineated three platinum-anomalous zones which require detailed study to determine the controls on platinum mineraliztion.

WORK DONE: Geochemical
ROCK 330 sample(s) ;AU,PT,PD,PH
Map(s) - 1; Scale(s) - 1:5000

RELATED REPORTS: 12190
MINFILE: 092HNE128

ASSESSMENT REPORT

Tiffany Resources Inc.

GEOLOGY AND GEOCHEMISTRY OF THE BRITTON CREEK PLATINUM PROPERTY SIMILKAMEEN M.D., B.C.

MINERAL CLAIMS

J & L1
J & L2 Fr
J & L3 Fr
R1, R2, R3
D1, D2, D3

NTS 92H 10W

J.A. Chamberlain, PhD., P.Eng.,

January 20, 1988

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FIGURES

1.0 SUMMARY

The Britton Creek property consists of 9 mineral claims or fractions located near the northern termination of the Tulameen ultramafic complex at the junction of Britton Creek and the Tulameen River. The claims are underlain by dunites, peridotite and, in places, by serpentine breccia. Native platinum, platinum-iron alloy and gold have been recovered intermittently, from nearby placer deposits in both river systems for the past 100 years.

The present study included a rock geochemical survey in which 330 rock chip samples were collected. The first 148 samples were analyzed for gold, platinum, palladium and rhodium and the remainder were assayed for gold or platinum, depending on the host rock. The results indicate that certain zones within the property are strongly anomalous in platinum and close to normal background with respect to gold, palladium and rhodium. Three platinum zones were delineated, as follows: the Ridge Zone measuring 150 m by 70 m wide averaging 551 ppb Pt; the Creek Zone measuring 500 m by 50 m averaging 225 ppb Pt and the South Zone which is about 1000 m in length and averages 281 ppb Pt.

The higher platinum values are associated with concentrations of chromite. Chromite occurs in one or another of three morphological types: irregular clusters, fracture fillings and primary layers. It is not clear from the present work whether or not platinum values are associated with one or more particular types of chromite. Such a possibility warrants investigation in any follow-up program as it could be important in developing an ore-finding exploration strategy. In any case, the zones warrant a detailed study of the precise controls affecting localization of platinum which, if successful, should be followed by a program of exploration specifically designed to exploit those controls.

2.0 INTRODUCTION

2.1 OBJECTIVES

The writer was commissioned in August 1987 by Mr. William B. Warke, President of Tiffany Resources Inc, to undertake a geological study of the Britton Creek claims in the Tilameen area, B.C.

The purpose of the investigation was to obtain more precise information on the primary distribution of platinum and gold in the ultramafic rocks of the subject claims and, if possible, to relate this to observed lithologies or structural features of the host rocks. The ultimate aim of the work was to develop criteria which would aid in the discovery of mineable zones of ore grade platinum mineralization on the property.

Peter Peart, P.Eng. carried out the rock sampling program and part of the geologic mapping with assistance from M. Clayton, B. Lewis and P. Zakora. The writer carried out local geological mapping, identified rock lithologies and supervised the overall program.

2.2 LOCATION, ACCESS

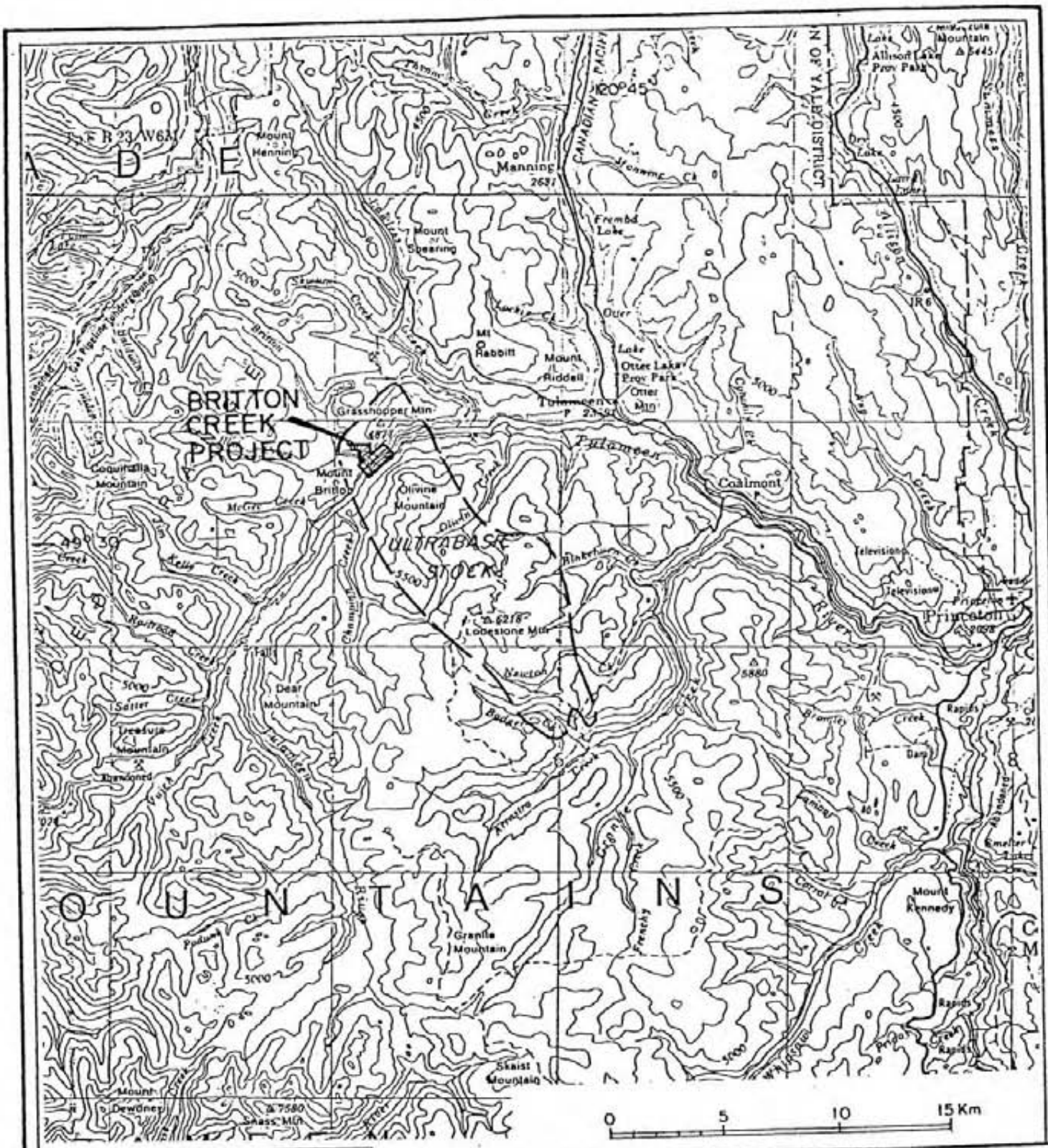
The subject claims are located 25 km west of Princeton at the junction of Britton Creek and the Tulameen River. The coordinates are 42°32' N, 120° 55' W. Access is by road westward from the village of Tulameen, a distance of 10 km (Figure 1). At the time of the present work, the bridge across Lawless Creek had been declared unsafe by the B.C. Department of Highways, but was still being used by cars and light trucks.

2.3 PROPERTY

The Britton Creek property consists of the following claims (see also Figure 2):

Name	No. of Units	Record No.	Record Date	Due Date
J & L1	1	1818	Feb 11, 1983	Feb 11, 1989
J & L2 Fr	Fr	1819	" "	" "
J & L3 Fr	Fr	1820	" "	" "
D-1	1	12338	April 8, 1965	April 8, 1988
D-2	1	12339	" "	" "
D-3	1	12340	" "	" "
R-1	1	12341	" "	" "
R-2	1	12342	" "	" "
R-3	1	12343	" "	" "

The J & L claims were purchased in 1987 by Tiffany Resources Inc. from Imperial Metals Corporation. The D1 to D3 and R1 to R3 claims are owned by D. Javorsky and B. Steiner, and are currently under option to Tiffany Resources, Inc. In addition, one placer (PML1399) owned by D. Javorsky in the same area is included in the Tiffany option. The expiry date for PML1399 is October 31, 1988.



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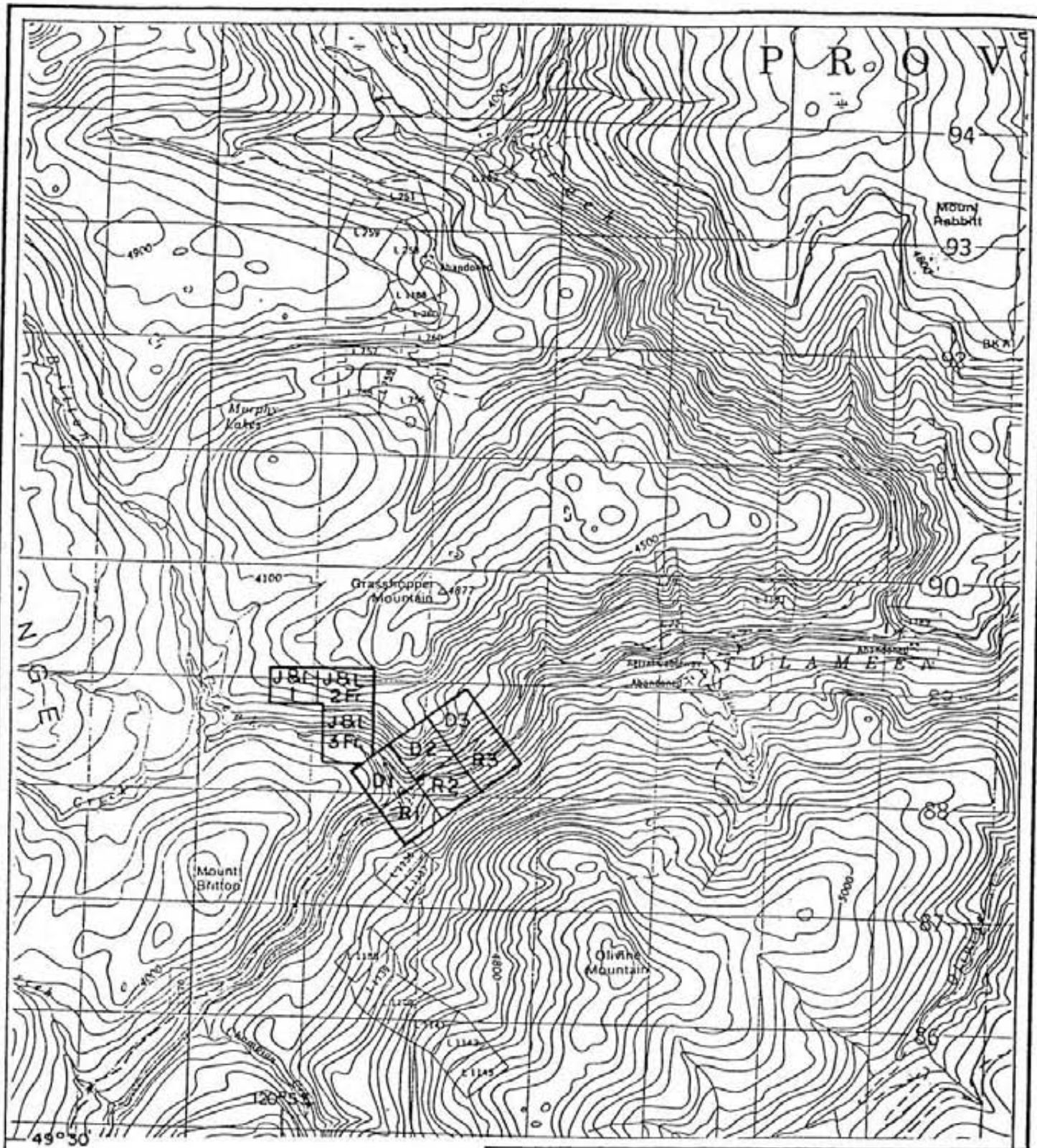
VANCOUVER, CANADA

TIFFANY RESOURCES INC.

TULAMEEN AREA, B.C. N.T.S. 92H-10W

LOCATION MAP

SCALE 1:250,000 DEC. 1987 FIG. 1



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TIFFANY RESOURCES INC.

TULAMEEN AREA, B.C. N.T.S. 92H-10W

CLAIM MAP

SCALE 1:50,000	DEC. 1987	FIG. 2
J.A.C.		

During the course of the geological work carried out in the present program, a search was conducted for claim posts in the D1 to D3 and R1 to R3 claim group. One post was located, being the initial post for D2 and the final post for D1. It presumably is the common post for the R1 and R2 claims, but the remaining tags on this post have been mutilated beyond recognition. The date on the legible tags is April 1965 and the locator is Steiner. The two tag numbers still legible are 557319 (final post for claim D1) and 557320. The post is located 285 m east of Britton Creek bridge, as measured along the river road, on the northwest or upper side of the roadcut.

The original claim record by Steiner stated that claim D1 is situated "about 500 feet west of the junction of Eagle Creek (now Britton Creek) and the Tulameen River." He further stated that the "length of the claim is 1500 feet." Both these statements are consistent with the observed location of the above post and lend strong credence to the location and configuration of the D1 to D3 and R1 to R3 claims being correct as they are shown on Figure 3 of the present report (see map in pocket).

2.4 PREVIOUS WORK

Gold and platinum nuggets have been found in the Tulameen and Britton Creek for the past 90 years. The first published geological work in the area was by Camsell (1913) and Rice (1947). In 1963, C. Findlay presented a detailed map of the Tulameen ultramafic complex. Recent work by St. Louis (1984, 1986) attempts to relate PGE values to mineralogical units within the intrusion.

A private report by Newmont Exploration of Canada (1986) describes very briefly the result of rock sampling for platinum, chrome and palladium on the R1, D2 and D3 claims. Two samples taken near the junction of Britton Creek and the Tulameen River contained 2150 and 4400 ppb platinum, respectively.

Wright (1986) carried out geological mapping and limited rock sampling of the J & L claims. Results of this were inconclusive because of the limited number of samples taken.

2.5 PRESENT PROGRAM

Work commenced on the Britton Creek claims on August 26, 1987, and continued intermittently until October 26, 1987. Geological mapping on a scale of 1:5000 was followed by a rock geochemical sampling program for platinum and gold.

2.6 REFERENCES

Camsell, C. 1913, Geology and Mineral Deposits of the Tulameen District, B.C. G.S.C. Memoir No. 265.

Chamberlain, J.A., 1965, Native Metals in the Muskox Intrusion, Can. J. Earth Sci., v. 2, p. 188-215.

Findlay, D.C., 1963, Petrology of the Tulameen Ultramafic Gabbro Complex, Southern B.C., Can. J. Earth Sci, v. 6, pp. 399-425.

Kemp, J.F., 1902, "The geological relations of platinum and associated metals" U.S.A. Geological Survey, bulletin No. 193.

Raicevic, D. and Cabri, L.J., 1976, Mineralogy and Concentration of Au and Pt Bearing Placers from the Tulameen River Area, B.C. C.I.M. Bulletin.

Rice, H.M.A., 1947, "Geology and Mineral Deposits of the Princeton Map-Area British Columbia" G.S.C. Memoir 243.

St. Louis, R.M., Nesbitt, B.E., Morton R.D., 1986, Geochemistry of Platinum Group Elements in the Tulameen Ultramafic Complex, Southern British Columbia, Econ. Geol. v. 81, pp. 961-973.

Wright, R.L., 1986, Assessment Report on Geological Mapping Prospecting and Geochemical Sampling of the J & L Property, Tulameen Ultramafic Complex.

3.0 GEOLOGY

3.1 REGIONAL

The Tulameen ultramafic-mafic complex is a zoned intrusion which is elliptical in plan, elongated northwest (Figure 1). It comprises a concentrically zoned body (Finlay, 1963) which is intrusive into volcanics and metasediments of the Triassic Nicola Group. It is about 16 km long and has an average width of about 4 km.

The core of the Tulameen complex is dunite which is irregularly surrounded by peridotite and various pyroxenites. To the east, a zone of gabbro is believed by Findlay to be comagmatic with the ultramafics.

There is local evidence in the form of folded and distorted banding to indicate that the Tulameen complex was partly solidified during emplacement.

Interpretation of aeromagnetic data and air photo lineaments reveals several probable faults trending northeasterly across the complex. There is some geological evidence to indicate that the Tulameen River is the locus of a major fault in the Britton Creek area.

3.2 LOCAL

The western contact of the Tulameen complex is straddled by the J & L1 claim (Figure 3) where the ultramafics are in contact with metasediments of the Nicola Group. The contact itself is covered by talus in this area and was not observed. The geology of the JL claims has been well described by Wright (1987).

The eastern part of the D-3 and R-3 claims is underlain by mafic rocks believed by Finlay (1963) to be comagnetic with the Tulameen ultramafics. The contact trends northerly and appears to have a near-vertical dip (Figure 3). The contact is best observed along the Tulameen River where sheared ultramafics are in contact with a fine grained greenish grey rock termed phyllite. Quartz veins up to 1 metre in width occur within phyllite at or near the contact. They typically contain 1 to 2 percent disseminated pyrite. The "phyllites" become coarser grained to the east and in 20 m or so are dominantly olivine-bearing gabbro.

The main part of the R-1 to R-3 and D-1 to D-3 claims is underlain by dunite and peridotite in varying degrees of serpentinization. More detailed mapping is needed to determine the field relationship of these units. In general, they are dark greenish black, medium grained, massive rocks. They contain local lenses, stringers, pods, and bands of chromite, some of which are associated with pronounced increases in platinum (see Section 4.0).

The chromite occurs in one or another of the following morphological types:

(a) chromite in irregular lenses 10 to 20 cm long by 5 to 10 cm wide. These small lenses typically occur in erratically distributed clusters over an area of a few square m.

(b) chromite along structural features such as joints, fractures and, possibly, faults. Chromite of this type is commonly 0.5 to 2 cm wide and continuous for up to 10 cm. There are two joint sets which seem to control most of the chromite of this type. One set strikes northeast and dips steeply northwest, while the second set strikes northwest with near vertical dips, i.e. the two sets are oriented more or less at right angles to one another.

(c) chromite in bands up to 15 cm wide and continuous along strike and dip for several m. Such bands generally exhibit northeast strikes with northwest dips of 60 to 80 degrees and in places exhibit features such as gradational contacts and graded bedding. These are believed to have formed by gravity settling into layers during primary crystallization with subsequent modification by flowage during mass movement of the intrusion.

4.0 GEOCHEMICAL SURVEY

4.1 GENERAL

The unique occurrence of platinum as a native metal or as platinum-iron alloy in the Tulameen complex negates the usefulness of nickel as a pathfinder element. Chromite is closely associated with platinum, but is thinly distributed through most of the ultramafic units in the complex. It was therefore decided to undertake a comprehensive rock sampling program using platinum and gold directly as target elements.

4.2 ANALYTICAL PROCEDURES

Rock samples were submitted to Acme Analytical Laboratories, Vancouver. The samples were crushed to minus 80 mesh and 10 g samples were analyzed for platinum by fusing with an Ag inquart with fire assay fluxes. After cupulation, the dore bead was dissolved and analyzed by ICP/MS methods. In some cases, a second sample was analyzed for gold by ignition at 600°C, digestion with hot aqua regia, extraction by methyl isobutlkeytone (MIBK) and finished in graphite furnace AA.

4.3 SAMPLING PROCEDURES

Because of the steep topography, grid lines were not constructed. Rather, traverses were designed to take advantage of outcrops and topography using airphotos. Sample sites were located on base maps by altimeter elevations and line-of-sight bearings to known topographic features. Sample sites were noted on the ground by flagging marked with sample number.

All samples taken in this study were chipped from bedrock, except for samples 307 to 330 which were taken from dunite float on a ridge on the north side of the J & L 2 Fr.

The samples were taken as "area chips", from areas of from 1 to 10 m^2, depending on the amount of rock exposed and the topography.

All in all, 330 rock samples were obtained in the present study.

4.4 SAMPLING RESULTS

The 330 rock samples collected for this project were geochemically analyzed for PGE's and/or gold as follows:

Sample Nos.	Elements Assayed
S1 to S148 incl.	Au, Pt, Pd, Rh
S149 to S246 incl.	Pt only
S247 to S293	Au only
S234 to S330	Pt only

The samples analyzed for four metals were collected during the initial sampling program. The results of this work indicated quite strongly that platinum is by far the most abundant of the PGE group. Palladium and rhodium are present only in background quantities and it was decided to omit these elements from analysis in the second stage sampling program. In addition, it was decided to assay the gabbroic rocks which lie east of the dunite-gabbro contact for gold only.

Platinum, Palladium, Rhodium

As mentioned above, Pd and Rh are present in very low quantities in the samples. For the most part, they are at the lower limit of detection (LLD) for these elements and, for this reason, were abandoned as being geochemically useful after the first stage of the program.

On the other hand, platinum was found to be distributed widely through the claims in variable, interesting amounts ranging from 2 ppb (LLD) up to 1,445 ppb. Because of the wide divergence in values, it was decided not to subject them to statistical analysis but to arbitrarily assume the assays in excess of 100 ppb are of interest. This resulted in the delineation of three platinum zones, described in section 4.5.

Gold

Gold assays in the first stage of the sampling program (Samples S1 to S148) were obtained in the ultramafic rocks on the north side of the Tulameen River. Values ranged from 1 to 36 ppb with a single sample of 195 ppb taken in gabbro near the ultramafic contact. It was then decided that additional samples taken in the gabbro (which had been found platinum-deficient in the initial program) would be analyzed only for gold. The subsequent sampling for gold did not produce values in excess of 153 ppb. It is concluded that the area shows interesting variation in background gold values but that specific gold targets are lacking.

4.5 INTERPRETATION OF RESULTS

Three platinum zones were outlined in the present rock geochemical sampling program. They are termed the Ridge, Creek and South zones, respectively. They are outlined in Figure 3 (in pocket).

4.5.1 Ridge Zone

The Ridge Zone occurs along a 4,000' (1219 m) ridge on the northern boundary of the D-2 claim. It contains a total of 4 samples, one of which assayed 1,445 ppb Pt. The average Pt content of the 4 samples is 551 ppb.

This zone contains several old trenches, all of which occur in peridotite or dunite which contain relatively abundant chromite. The chromite occurs in the three morphological types described in Section 3.2 and, in places, constitutes up to 20 percent of the rock. It is from some of the chromite-rich localities that the best platinum values were found.

The Ridge Zone on the D2 claim is approximately 150 m long by about 50 m wide. The zone appears to extend northward beyond the D2 claim for an additional 175 m.

4.5.2 Creek Zone

The Creek Zone includes the area sampled by Newmont Exploration (1986) mentioned in Section 2.4 in which one sample assaying 4400 ppb Pt was reported.

The highest Pt value obtained from the Creek Zone in the present study was 621 ppb with a total of 16 samples averaging 225 ppb. The zone occurs partly in peridotite without much visible chromite and partly in a serpentine breccia at the junction of Britton Creek and the Tulameen River. The zone appears to be elongated parallel to the Tulameen River but this could be an impression brought about by the lack of sampling on the south side of the river. The zone appears to split into two prongs to the west. It has an overall length of 600 m and is about 60 m wide.

4.5.3 South Zone

The South Zone occurs immediately south of the Creek Zone at an elevation of 3000 to 3500 ft. (914 to 1067 m). The highest Pt value is 1384 ppb and the average of the 30 rock samples which make up the zone is 281 ppb. The zone contains infrequent lenses of chromite with some possible cumulate layering. The overall length of the zone is about 1000 m. Its general attitude and shape is very similar to that of the Creek Zone.

In all three of the above zones, sulphides are practically non-existent. It can be assumed that the platinum occurs as the native metal in combination with varying quantities of iron. This is borne out by the fact that platinum-iron alloy nuggets continue to be found by placer miners in the lower Britton Creek area and in the Tulameen River.

5.0 CONCLUSIONS

Three zones containing anomalously high rock platinum values have been delineated in dunite on the Britton Creek claims. The platinum is associated with concentrations of chromite in these rocks and occurs principally as native platinum or platinum-iron alloy.

The highest platinum value (1445 ppb) was recorded on the Ridge Zone near the northern D2 claim boundary. The average platinum value for this zone is 551 ppb. The Ridge Zone is 150 m in length by about 50 m wide.

The Creek Zone is defined by 16 rock samples taken in dunite and serpentine breccia. The highest value recorded in the present study is 621 ppb platinum but earlier work by Newmont recorded values up to 4400 ppb in the same zone. The Creek Zone is 600 m long by about 60 m wide.

The South Zone may be the largest of the three zones but it has only been sparsely sampled. Assays of 1384 and 1250 ppb platinum were recorded at opposite ends of the zone. The average of 30 samples is 281 ppb. The zone appears to be about 1000 m in length.

The three zones contain chromite of at least three morphological types: irregular lenses, fracture fillings and primary layers. Platinum concentrations may be linked to one specific type of chromite occurrence. Such a possibility warrants investigation as it could be important in developing an ore-finding exploration strategy. In any case, the zones warrant a detailed study of the precise controls on localization of platinum which, if successful, should be followed by a program of exploration designed to exploit those controls.

6.0 AUTHOR'S QUALIFICATIONS

I, Joseph A. Chamberlain of Vancouver, B.C. hereby certify that:

1. I received a Bachelor of Science degree from the University of British Columbia in 1955, a Master of Science degree from Harvard University in structural geology in 1957 and a PhD from Harvard University in economic geology in 1958.

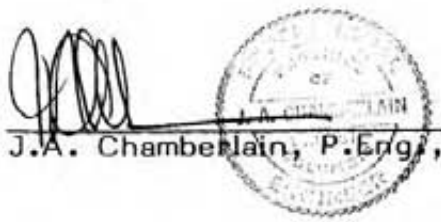
2. I was a Research Scientist with the Geological Survey of Canada from 1958 to 1968 working on nickel-platinum and related mineral deposits associated with ultramafic rocks.

3. I have been practising my profession as a consulting exploration geologist since 1968.

4. I am a member of the Association of Professional Engineers of the Province of British Columbia and the Society of Economics Geologists.

The work described in the present report was planned by myself and undertaken under my direct supervision on behalf of Tiffany Resources, Inc.

Dated this 20th day January, 1988
Vancouver, B.C.



J.A. Chamberlain, P.Eng., PhD

7.0 STATEMENT OF EXPENDITURES

Project Management & Report Preparation	
J.A. Chamberlain, P.Eng. Geologist 14 days @ $400	$ 5,600
Field Personnel	
P. Peart, P.Eng. Geologist 18.5 days @ $250	4,625
Field Expenses	
J.A. Chamberlain	908.61
P. Peart	1,782.61
Project Contract Work	
Paul Zakora, Princeton, sampling	230
Bushworks Exploration, sampling	2,598.06
Acme Analytical Laboratories	3,722
Total	$19,466.28

The above expenses were distributed as follows:

20% J&L1, J&L2 Fr, J&L3 Fr	$ 3,893.25
80% D-1 to D-3 and R-1 to R-3	$15,573.03

Certified Correct,

J.A. Chamberlain, P.Eng., PhD

APPENDIX A

GEOCHEMICAL ASSAYS

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 17 1987
DATE REPORT MAILED: Oct 2/87

GEOCHEMICAL ICP-MS ANALYSIS

10 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP MASS SPECTROMETER.
- SAMPLE TYPE: Rock Chips

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

DOLMAGE CAMBELL File # 87-4253 Page 1

SAMPLE#	Au PPB	Pt PPB	Pd PPB	Rh PPB
SAMP-1	5	154	3	5
SAMP-2	2	481	2	7
SAMP-3	4	61	2	4
SAMP-4	2	4	2	3
SAMP-5	2	2	2	3
SAMP-6	2	158	2	4
SAMP-7	2	205	2	5
SAMP-8	2	46	2	3
SAMP-9	1	40	2	3
SAMP-10	2	2	2	2
SAMP-11	1	272	2	5
SAMP-12	1	97	2	3
SAMP-13	2	114	2	4
SAMP-14	2	8	2	3
SAMP-15	1	58	2	3
SAMP-16	1	119	2	4
SAMP-17	2	39	2	3
SAMP-18	1	98	2	3
SAMP-19	1	49	2	3
SAMP-20	1	21	2	3
SAMP-21	1	25	2	2
SAMP-22	2	32	2	2
SAMP-23	1	26	2	4
SAMP-24	2	15	2	2
SAMP-25	1	14	2	2
SAMP-26	1	54	2	4
SAMP-27	1	17	2	2
SAMP-28	1	25	2	2
SAMP-29	1	70	2	2
SAMP-30	2	60	2	2
SAMP-31	2	8	2	2
SAMP-32	2	66	2	4
SAMP-33	4	9	2	3
SAMP-34	3	203	5	3
SAMP-35	2	65	2	3
SAMP-36	2	32	2	3

SAMPLE#	Au PPB	Pt PPB	Pd PPB	Rh PPB
SAMP-37	36	344	2	10
SAMP-38	14	53	2	2
SAMP-39	7	33	6	2
SAMP-40	4	41	2	2
SAMP-41	2	79	2	2
SAMP-42	3	56	2	2
SAMP-43	4	82	2	2
SAMP-44	2	62	2	2
SAMP-45	1	100	2	2
SAMP-46	2	37	2	2
SAMP-47	1	38	2	2
SAMP-47A	11	250	2	4
SAMP-48	2	149	2	3
SAMP-49	2	87	2	2
SAMP-50	6	18	2	2
SAMP-51	4	51	2	3
SAMP-52	5	72	2	3
SAMP-53	3	79	2	2
SAMP-54	2	178	2	2
SAMP-55	3	34	2	2
SAMP-56	13	89	2	2
SAMP-57	14	44	2	2
SAMP-58	2	105	2	2
SAMP-59	2	45	2	2
SAMP-60	31	46	2	2
SAMP-61	2	3	5	2
SAMP-62	2	56	2	2
SAMP-63	12	31	2	2
SAMP-64	1	170	2	7
SAMP-65	12	6680	43	54
SAMP-66	4	23	2	2
SAMP-67	4	60	2	7
SAMP-68	2	32	2	2
SAMP-69	2	101	4	2
SAMP-70	1	69	2	2
SAMP-71	4	64	2	3
DETECTION LIMIT	1	2	2	2

6.7 g/tonne
= 0.2 oz/tonne

SAMPLE#	Au PPB	Pt PPB	Pd PPB	Rh PPB
SAMP-72	4	27	2	3
SAMP-73	3	52	2	2
SAMP-74	3	63	2	3
SAMP-75	2	12	2	2
SAMP-76	1	8	2	4
SAMP-77	1	31	2	3
SAMP-78	1	28	2	3
SAMP-79	2	1445	7	8
SAMP-80	1	17	2	3
SAMP-81	2	5	2	2
SAMP-82	2	4	2	3
SAMP-83	1	37	2	3
SAMP-84	2	5	2	2
SAMP-84 FLOAT	22	4	2	2
SAMP-85	2	2	2	2
SAMP-86	2	16	2	3
SAMP-87	2	70	2	5
SAMP-88	2	11	2	4
SAMP-89	2	11	2	3
SAMP-90	2	16	2	2
SAMP-91	2	11	2	3
SAMP-92	1	7	2	3
SAMP-93	2	8	2	3
SAMP-94	1	3	2	3
SAMP-95	2	3	2	3
SAMP-96	2	41	2	4
SAMP-97	3	112	2	3
SAMP-98	2	119	2	3
SAMP-99	2	12	2	3
SAMP-100	2	291	3	7
SAMP-101	2	121	2	4
SAMP-102	2	621	7	8
SAMP-103	1	243	2	5
SAMP-104	1	161	2	4
SAMP-105	3	239	2	4
SAMP-106	2	76	2	3
DETECTION LIMIT	1	2	2	2

SAMPLE#	Au PPB	Pt PPB	Pd PPB	Rh PPB
SAMP-107	2	154	2	3
SAMP-108	2	48	2	2
SAMP-109	2	75	2	2
SAMP-110	2	23	2	2
SAMP-111	1	2	2	2
SAMP-112	1	2	2	2
SAMP-113	3	7	2	2
SAMP-114	2	2	2	2
SAMP-115	1	2	2	2
SAMP-116	1	2	2	2
SAMP-117	2	2	2	2
SAMP-118	1	12	2	2
SAMP-119	1	36	2	2
SAMP-120	3	2	2	2
SAMP-121	6	2	2	2
SAMP-122	1	18	2	2
SAMP-123	1	11	6	2
SAMP-124	1	20	3	2
SAMP-125	1	12	3	2
SAMP-126	2	2	10	2
SAMP-127	2	2	11	2
SAMP-128	4	2	14	2
SAMP-129	3	5	22	2
SAMP-130	12	3	27	2
SAMP-131	2	3	11	2
SAMP-132	5	2	5	2
SAMP-133	5	2	15	2
SAMP-134	1	2	2	2
SAMP-135	1	2	2	2
SAMP-136	3	10	2	2
SAMP-137	1	2	2	2
SAMP-138	1	37	2	2
SAMP-139	1	19	2	2
SAMP-140	1	15	5	2
SAMP-141	1	21	2	2
SAMP-142	5	2	7	2

SAMPLE#	Au PPB	Pt PPB	Pd PPB	Rh PPB
SAMP-143	4	2	18	2
SAMP-144	5	3	11	2
SAMP-145	5	2	25	2
SAMP-146	6	2	32	2
SAMP-147	195	2	8	2
SAMP-148	6	2	24	2

BRITTON CREEK PROJECT: APPENDIX A

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: OCT 22 1987

DATE REPORT MAILED: Oct. 30/87

GEOCHEMICAL ICP-MS ANALYSIS

10 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP MASS SPECTROMETER.
- SAMPLE TYPE: Rock Chips

ASSAYER: ..D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

DOLMAGE CAMPBELL File # 87-5118 Page 1

SAMPLE#	Pt PPB
S 149	63
S 150	1250
S 151	192
S 152	111
S 153	67
S 154	110
S 155	118
S 156	423
S 157	7
S 158	164
S 159	408
S 160	2
S 161	7
S 162	49
S 163	619
S 164	14
S 165	121
S 166	70
S 167	43
S 168	71
S 169	115
S 170	144
S 171	125
S 172	66
S 173	4
S 174	23
S 175	27
S 176	145
S 177	429
S 178	38
S 179	130
S 180	116
S 181	192
S 182	238
S 183	73
S 184	57
DETECTION LIMIT	2

SAMPLE#	Pt PPB
S 185	43
S 186	13
S 187	87
S 188	140
S 189	144
S 190	199
S 191	187
S 192	62
S 193	127
S 194	107
S 198	22
S 199	16
S 200	307
S 201	270
S 202	90
S 203	106
S 204	86
S 205	153
S 206	120
S 207	24
S 208	34
S 209	41
S 210	2
S 211	74
S 212	90
S 213	169
S 214	52
S 215	13
S 216	6
S 217 EW	57
S 217 L20	4
S 218	3
S 219	13
S 220	6
S 221	7
S 223 NS	123
DETECTION LIMIT	2

SAMPLE#	Au PPB	Pt PPB
S 223	-	4
S 224	-	22
S 225	-	38
S 226	-	148
S 227	-	52
S 228	-	21
S 229	-	61
S 230	-	159
S 231	-	32
S 232	-	42
S 233	-	24
S 234	-	88
S 235	-	136
S 236	-	55
S 237	-	25
S 238	-	46
S 239	-	838
S 240	-	98
S 241	-	65
S 242	-	152
S 244	-	85
S 245	-	52
S 246	-	1384
S 247	15	-
S 248	7	-
S 249	2	-
S 250	2	-
S 251	4	-
S 252	3	-
S 253	1	-
S 254	3	-
S 256	6	-
S 257	5	-
S 258	2	-
S 259	2	-
S 260	4	-
DETECTION LIMIT	1	2

SAMPLE#	Au PPB	Pt PPB
S 261	2	-
S 262	74	-
S 263	5	-
S 264	2	-
S 265	3	-
S 266	1	-
S 267	1	-
S 268	2	-
S 269	1	-
S 270	1	-
S 271	1	-
S 272	1	-
S 273	1	-
S 274	3	-
S 275	22	-
S 276	4	-
S 277	1	-
S 278	125	-
S 279	59	-
S 280	12	-
S 281	1	-
S 282	8	-
S 283	1	-
S 284	9	-
S 285	4	-
S 287	41	-
S 288	153	-
S 290	99	-
S 291	120	-
S 292	10	-
S 293	1	-
S 294	-	2
S 295	-	2
S 296	-	6
S 297	-	2
S 298	-	2
DETECTION LIMIT	1	2

SAMPLE#	Pt PPB
S 299	28
S 300	156
S 301	165
S 302	23
S 303	112
S 304	32
S 305	23
S 306	30
S 307	4
S 308	8
S 309	3
S 310	20
S 311	1
S 312	2
S 313	21
S 314	27
S 315	2
S 316	246
S 318	360
S 319	8
S 320	5
S 321	7
S 323	2
S 324	2
S 325	3
S 326	2
S 327	7
S 328	8
S 329	2
S 330	2

SAMPLE LIST FOR R1,R2,R3 AND D1,D2,D3 CLAIMS
BRITTON CREEK,TIFFANY RESC.
OCTOBER 1987

SAM #	ELEV (M)	ROCK TYPE	NOTES
1	1100m	breccia	peridotite in serpentine matrx
2	1200m	breccia	
3	1220m	dunite	
4	...	dunite	magnetic, no mineralization.
5	...	dunite	
6	...	dunite	magnetic, no visible mineralization or sulphides.
7	...	dunite	dunite with serpentinized joints.
8	...	dunite	
9	...	dunite	poor outcrop, some breccia.
10	...	breccia	peridotite breccia, magnetic.
11	...	breccia	peridotite breccia. no bedding or flow banding noted.
12	...	breccia	
13	...	breccia	
14	...	dunite	apparant contact breccia/dunite 045/18S dunite has colour index 9 to 10 >80% olivine
15	...	dunite	med to fine grained colour index 9 to 10 > 80% olivine.
16	...	dunite	trace of breccia
17	...	dunite	
18	...	dunite	serpentinized joints.
19	...	dunite	
20	...	dunite	
21	...	dunite	
22	...	dunite	
23	...	dunite	
24	...	dunite	fine to med grained dark green, colour index 9 to 10, serpentinized joints.
25	...	dunite	east side of creek on flume grade
26	...	dunite	shear at site of shallow portal
27	...	dunite	
28	...	dunite	
29	...	dunite	dunite overlying breccia, contact 045/30SE.
30	...	dunite	
31	...	dunite	serpentinite in joints
32	...	dunite	
33	...	dunite	8cm wide serpentinized joint
34	...	dunite	
35	...	dunite	no apparant structure
36	...	dunite	serpentinized infill in joints
37	...	dunite	texture slightly gneissic.
38	...	dunite	
39	...	dunite	

SAM #	ELEV	ROCK TYPE	COMMENTS
40	...	dunite	magnetite in serpentinized joint
41	...	dunite	20cm wide shear, serpentinized dunite wall rock
42	...	dunite	
43	...	dunite	
44	...	dunite	
45	...	dunite	
46	...	dunite	
47	...	breccia	peridotite breccia
48	1050m 3444	breccia	peridotite breccia, serpentinized matrix
49	1050m	dunite	
50	1050m	dunite	
51	1032m	dunite	
52	1045m	dunite	well weathered outcrop
53	1057m	dunite	well weathered outcrop jointing 150/vertical
54	1064m	dunite	
55	1095m	dunite	
56	1110m	dunite	serpentinized joints
57	1120m	dunite	
58	1132m	dunite	serpentinized joints joints 070/80east
59	1155m	dunite	
60	1195m	dunite	notice volcanics in scree
61	1215m	dunite	fine pyrite in sample
62	1225m	dunite	
63	1240m	dunite	
64	1275m	dunite	
65	1295m	dunite	blebs of chromite in dunite area of extensive trenching
66	1230	dunite	blebs 1cm in dunite, 10% of rock mass is chromite blebs
67	1230m 4035'	dunite	chromite blebs in dunite <10% chromite, blebs 1cm dia.
68	1050m	dunite	
69	1075m	dunite	
70	1088m	dunite	
71	1140m	dunite	
72	1145m	dunite	with serpentinized joints joints 030/68east
73	1150m	dunite	serpentinized joints 020/72E
74	1155M	dunite	serpentinized joints 020/65E
75	1170M	dunite	poor outcrop, blebs of chromite
76	1175m	dunite	poor outcrop, fine chromite in serpentinized rock.
77	1230m	dunite	
78	1235m	dunite	chromite in matrix
79	1270m	dunite	
80	1280m	dunite	
81	1200m	dunite	poor outcrop in dense bush
82	1240m	dunite	
83	1230m	dunite	
84	1230	dunite	

SAM #	ELEV	ROCK TYPE	COMMENTS
85	1215	serpentinite	2m wide vein
86	1210m	dunite	poor outcrop
87	1175m	dunite	fine chromite veining
88	1150m	dunite	dunite with chromite veins 1 cm wide.
89	1130m	dunite	
90	1120m	dunite	
91	1095m	dunite	
92	1080m	dunite	
93	1050m	dunite	
94	1040	dunite	
95	1020m	dunite	
96	...	dunite	along Tulameen river from Britton Creek.
97	...	breccia	peridotite breccia
98	...	breccia	with chromite
99	...	breccia	
100	...	breccia/dunite	
101	...	dunite	heavily serpentinized joints
102	...	dunite	chromite blebs to 1cm
103	...	dunite	
104	...	dunite	
105	...	dunite	
106	...	dunite	
107	...	dunite	
108	...	dunite	
109	...	dunite	
110	1000m	dunite	
111	1100m	dunite	
112	1130m	dunite	serpentinized vein, 160/60W
113	1140m	dunite	serpentinized wein with visible chromite finely diseminated through the sample.
114	1150m	serpentinite	3m wide vein 165/60W
115	1165m	dunite	
116	1185m	dunite	some banded magnetite/chromite
117	1200m	dunite	iron stained serpentinized vein
118	1200m	dunite	iron stained serpentinized vein.160/55W blebs of chromite
119	1210m	dunite	
120	1215m	dunite	
121	1220m	dunite	nothing of intrest in the rock samples.
122	1240m	dunite	>80% olivine
123	1180m	dunite/peridotite	very coarse grained, some gabroic rock
124	1180	peridotite/gabbro	rock mass is magnetic in nature coarse grained, feldspar pyroxene quartz olivine
125	1160m	gabbro	olivine gabbro
126	1110	gabbro	
127	1110m	gabbro	olivine gabbro

SAM #	ELEV	ROCK TYPE	COMMENTS
128	1100m	gabbro	hint of schistosity 160/vert
129	1080m	dunite	
130	1060	dunite	very poor outcrop.
131	1055m	gabbro	
132	1040	gabbro	hematite slickensides common
133	1010	gabbro	
134	1100m	dunite	fine to med grained colour index 9 to 10 >80% olivine
135	1111m	dunite	
136	1120m	dunite	
137	1130m	dunite	
138	1140m	dunite	
139	1100m	dunite	
140	1100m	dunite	
141	1080m	gabbro	olivine gabbro,serpentinized jointing
142	1050m	gabbro	
143	1050m	gabbro	olivine gabbro with fingers of dunite intruding at 145/45W
144	1060m	gabbro	olivine gabbro with dunnite "veins",150/45W
145	1060m	gabbro	olivine gabbro with hematite slickensided joints at 143/45W some quartz and serpentinite in the jointing.
146	1065	gabbro	hematite coated slickensides in jointing, 000/80E, 010/90 3 senses of movement, 1 horiz. 1 30 deg to south, 135 plunge to north.
147	1070m	gabbro	
148	1080	gabbro	joints infilled with hematite
		end of phase 1 of sampling	
149	990m	dunite	
150	1135m	dunite	trace of fine chromite
151	1135m	dunite	
152	1140m	dunite	
153	1140m	dunite	dunite with serpentinized jointing
154	1150m	dunite	
155	1150m	dunite	
156	1150m	dunite	
157	1070m	dunite	
158	1070m	dunite	
159	1000m	dunite	heavily sheared with serpentinized joint infilling
160	1000m	dunite	serpentinized shear zone and vein system
161	...	dunite	visible chromite, blebs up to 1cm

SAM #	ELEV.	ROCK TYPE	COMMENTS
162	...	dunite	10% to 20% chromite in the dunite, blebs <1cm
163	1990m	breccia/dunite	boundary of peridotite breccia and dunite, some small blebs of chromite
164	1000m	dunite	
165	1000m	dunite	
166	1010m	dunite	
167	1025m	dunite	small blebs of chromite in the dunite
168	1025m	dunite	
169	1035m	dunite	
170	1035m	dunite	chromite blebs to 1 cm, 10% chromite
171	1055	dunite	
172	1055m	dunite	<<10% chromite
173	1055m	dunite	
174	1060m	dunite	
175	1062m	dunite	chromite <10%
176	1100m	breccia	breccia or non plastic highly serpentinized shear zone
177	1105m	dunite	many brecciated shear zones up to 1m wide
178	1130m	dunite	
179	1130m	dunite	
180	1125m	dunite	highly fractured zone similar to breccia but contained in sill or dyke like structures
181	...	dunite	
182	1135m	dunite	
183	1140m	dunite	serpentinized joints
184	1140m	gabbro?	coarse grained,olivine quartz feldspar, medium colour index.
185	1140m	dunite	
186	1140m	dunite	this area has been blasted however the reason for the blasting of this 20m3 pit is not clear
187	1125m	dunite	
188	1118m	dunite	
189	1100m	dunite	
190	1080m	dunite	
191	1075m	dunite	dunite rock mass with some small areas of breccia

samples 192 to 197 omitted due to mistaking the number 2 for a number 7 and going to sample number 197.

197	3065m	dunite	
198	1000m	dunite	serpentinized veins.
199	1040m	dunite	
200	1090m	dunite	
201	1100m	dunite	
202	1110m	dunite	
203	1115m	dunite	
204	1120m	dunite	
205	1125m	dunite	

SAM #	ELEV.	ROCK TYPE	COMMENTS
206	...	dunite	
207	...	dunite	
208	...	dunite	
209	...	dunite	possible flow banding 025/60S appears to extend over 15m and banding is visible on two vectors of the plane
210	1080m	dunite	serpentinized joint systems
211	0990m	dunite	
212	0990m	dunite	small serpentinized veins
213	0990m	dunite	
214	0990m	dunite	structure, 020/90 is pronounced in this area
215	1000m	dunite	at main access road
216	0968m	dunite	
217	0995m	dunite	heavily serpentinized joints
218	1180m	dunite	
219	1190m	dunite	
220	1195m	dunite	
221	1200m	dunite	highly oxidized zone, is visible from access road as reddish knob
222	1220m	dunite	1 metre chip across shear
223	1220m	dunite	dunite with very small blebs of chromite
224	1220m	dunite	
225	1220m	dunite	
226	1220m	dunite	
227	1190m	dunite	
228	1180m	dunite	
229	1175m	dunite	
230	1160m	dunite	chromite assoc. with small veins
231	1140m	dunite	many serpentinized veins
232	1090m	dunite	predominant structure 160/65E
233	1085m	dunite/serpentinite	160/62E vein 1 metre wide
234	1050m	dunite	
235	1040m	dunite	
236	1045m	dunite	
237	1050m	dunite	
238	1065m	dunite	
239	1125m	dunite	at cat track on south side of river
240	1160m	dunite	grab off scree slope has chromite in sample, fallen from cliffs above
241	1175m	dunite	
242	1175m	dunite	
243	1180m	dunite	at base of large cliff, too risky to sample
244	1185m	dunite	
245	1190m	dunite	across 50cm wide vein, oxidized

SAM #	ELEV	ROCK TYPE	COMMENTS
246	1180m	dunite	dunite boulder 50% chromite, boulder was in scree at base of cliff, must come from area < 30m away
247	0900m	gabbro	1m chip across oxidized vein
248	0960m	gabbro	
249	0970m	gabbro	1 m chip across vein 170/90
250	0995m	gabbro	
251	1045m	gabbro	
252	1046m	gabbro	
253	1062m	gabbro	
254	1110m	gabbro	
255	SAMPLE OMMITTED	DUE TO SAMPLING ERROR	
256	1120m	gabbro	
257	1121m	gabbro	
258	1120m	gabbro	
259	1100m	gabbro	noted small sill of eagle diorite 175/70W
260	1050m	gabbro	
261	0970m	gabbro	
262	0965m	gabbro/diorite	across diorite sill 1m wide oxidized
263	0920m	gabbro	pyrite dissemenated through quartz vein, 165/90
264	0910m	gabbro	
265	0970m	gabbro	
266	1060m	gabbro	small dykes of diorite 190/55W
267	1065m	gabbro	
268	1080m	gabbro	
269	1120m	gabbro	quartz flooding
270	0135m	gabbro	doirite intruded into jointing 175/60W
271	1150m	gabbro	
272	1150m	gabbro	
273	1060m	dunite	
274	0950m	gabbro	
275	0950m	gabbro	
276	river	gabbro	145/45W 15cm qz vein w/ sulphides
277	river	gabbro	160/75W 10cm qz vein
278	river	gabbro	5cm wide
279	river	gabbro	1m wide vein at the site of a small hand steeled worhing at river level, quartz vein is shot through with sulphides and one can suspect the 1m deep working was exploiting this material
280	river	gabbro/Qz	1m wide sulphide rich vein 165/50W
281	river	gabbro/Qz	1m wide vein w/ sulphides
282	river	gabbro/Qz	1m wide vein w/ sulphides
283	river	gabbro/Qz	165/50W Qz vein w/ sulphides
284	river	gabbro	165/45W 10cm, 15 cm veins of Qz with sulphides

SAM #	ELEV	ROCK TYPE	COMMENTS
285	river	gabbro	cont. of sample 281 south side of river
286	river	gabbro	sampled greenish mineralization on wall 10cm dia. could be malachite?
287	river	gabbro	010/55E 5cm Qz vein
288	river	gabbro	olivine gabbro, 100/65N
289	river	gabbro	090/60N 30cm wide Qz flood
290	river	gabbro	040/65S Qz vein 5cm wide
291	river	gabbro	050/60S Qz vein south side of river same vein as sample 290.
292	river	gabbro	120/90 saml1 Qz vein
293	river	gabbro	175/45W 20cm wide Qz flood
294	river	olivine schist	175/50 W Qz flood intruded into olivine schist could be near major shear or contact.
295	river	diorite	dyke or sill 135/50W
296	river	gabbro/diorite	170/45W and 190/45E 10 to 20 cm wide Qz veins intersect, some hematite smeared on the intersection of the two planes
297	river	gabbro	Qz vein w/ sulphides
298	river	gabbro/dunite	160/70W Qz vein with sulphides
299	river	dunite/gabbro	160/80W Qz vein with sulphides

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SAMPLING ON TULA CLAIMS
OCTOBER 1987
30 HARD ROCK SAMPLES
FOR TIFFANY RES.

SAM #	ELEV	ROCK TYPE	COMMENTS
300	...	dunite	fine to med grained dark green >80% olivine? dunite /peridotite, fine grains of chromite throughout sample <10% chromite
301	...	dunite	" "
302	...	dunite	" "
303	...	dunite	" "
304	...	dunite	" "
305	...	dunite	" "
306	...	dunite	" "
307	...	dunite	olivine gneiss float on ridge
308	...	dunite	" "
309	...	dunite	" "
310	...	dunite	" "
311	...	dunite	" "
312	...	dunite	" "
313	...	dunite	" "
314	...	dunite	" "
315	...	dunite	" "
316	...	dunite	" "
317	...	dunite	" "
318	...	dunite	" "
319	...	dunite	" "
320	...	dunite	" "
321	...	dunite	" "
322	...	dunite	" "
323	...	dunite	" "
324	...	dunite	" "
325	...	dunite	" "
326	...	dunite	" "
327	...	dunite	" "
328	...	dunite	" "
329	...	dunite	" "
330	...	dunite	" "

Note that rock type was very uniform across the sample lines and for that reason the rock type has not been commented on more than once.

END OF SAMPLING

APPENDIX B

DESCRIPTION OF SAMPLES

SAMPLE LIST FOR R1,R2,R3 AND D1,D2,D3 CLAIMS
BRITTON CREEK,TIFFANY RESC.
OCTOBER 1987

SAM #	ELEV (M)	ROCK TYPE	NOTES
1	1100m	breccia	peridotite in serpentine matrx
2	1200m	breccia	
3	1220m	dunite	
4	...	dunite	magnetic, no mineralization.
5	...	dunite	
6	...	dunite	magnetic, no visible mineralization or sulphides.
7	...	dunite	dunite with serpentinized joints.
8	...	dunite	
9	...	dunite	poor outcrop, some breccia.
10	...	breccia	peridotite breccia, magnetic.
11	...	breccia	peridotite breccia. no bedding or flow banding noted.
12	...	breccia	
13	...	breccia	
14	...	dunite	apparant contact breccia/dunite 045/18S dunite has colour index 9 to 10 >80% olivine
15	...	dunite	med to fine grained colour index 9 to 10 > 80% olivine.
16	...	dunite	trace of breccia
17	...	dunite	
18	...	dunite	serpentinized joints.
19	...	dunite	
20	...	dunite	
21	...	dunite	
22	...	dunite	
23	...	dunite	
24	...	dunite	fine to med grained dark green, colour index 9 to 10, serpentinized joints.
25	...	dunite	east side of creek on flume grade
26	...	dunite	shear at site of shallow portal
27	...	dunite	
28	...	dunite	
29	...	dunite	dunite overlying breccia, contact 045/30SE.
30	...	dunite	
31	...	dunite	serpentinite in joints
32	...	dunite	
33	...	dunite	8cm wide serpentinized joint
34	...	dunite	
35	...	dunite	no apparant structure
36	...	dunite	serpentinized infill in joints
37	...	dunite	texture slightly gneissic.
38	...	dunite	
39	...	dunite	

SAM #	ELEV	ROCK TYPE	COMMENTS
40	...	dunite	magnetite in serpentinized joint
41	...	dunite	20cm wide shear, serpentinized dunite wall rock
42	...	dunite	
43	...	dunite	
44	...	dunite	
45	...	dunite	
46	...	dunite	
47	...	breccia	peridotite breccia
48	1050m 3444	breccia	peridotite breccia, serpentinized matrix
49	1050m	dunite	
50	1050m	dunite	
51	1032m	dunite	
52	1045m	dunite	well weathered outcrop
53	1057m	dunite	well weathered outcrop jointing 150/vertical
54	1064m	dunite	
55	1095m	dunite	
56	1110m	dunite	serpentinized joints
57	1120m	dunite	
58	1132m	dunite	serpentinized joints joints 070/80east
59	1155m	dunite	
60	1195m	dunite	notice volcanics in scree
61	1215m	dunite	fine pyrite in sample
62	1225m	dunite	
63	1240m	dunite	
64	1275m	dunite	
65	1295m	dunite	blebs of chromite in dunite area of extensive trenching
66	1230	dunite	blebs 1cm in dunite, 10% of rock mass is chromite blebs
67	1230m 4035'	dunite	chromite blebs in dunite <10% chromite, blebs 1cm dia.
68	1050m	dunite	
69	1075m	dunite	
70	1088m	dunite	
71	1140m	dunite	
72	1145m	dunite	with serpentinized joints joints 030/68east
73	1150m	dunite	serpentinized joints 020/72E
74	1155M	dunite	serpentinized joints 020/65E
75	1170M	dunite	poor outcrop, blebs of chromite
76	1175m	dunite	poor outcrop, fine chromite in serpentinized rock.
77	1230m	dunite	
78	1235m	dunite	chromite in matrix
79	1270m	dunite	
80	1280m	dunite	
81	1200m	dunite	poor outcrop in dense bush
82	1240m	dunite	
83	1230m	dunite	
84	1230	dunite	

SAM #	ELEV	ROCK TYPE	COMMENTS
85	1215	serpentinite	2m wide vein
86	1210m	dunite	poor outcrop
87	1175m	dunite	fine chromite veining
88	1150m	dunite	dunite with chromite veins 1 cm wide.
89	1130m	dunite	
90	1120m	dunite	
91	1095m	dunite	
92	1080m	dunite	
93	1050m	dunite	
94	1040	dunite	
95	1020m	dunite	
96	...	dunite	along Tulameen river from Britton Creek.
97	...	breccia	peridotite breccia
98	...	breccia	with chromite
99	...	breccia	
100	...	breccia/dunite	
101	...	dunite	heavily serpentinized joints
102	...	dunite	chromite blebs to 1cm
103	...	dunite	
104	...	dunite	
105	...	dunite	
106	...	dunite	
107	...	dunite	
108	...	dunite	
109	...	dunite	
110	1000m	dunite	
111	1100m	dunite	
112	1130m	dunite	serpentinized vein, 160/60W
113	1140m	dunite	serpentinized wein with visible chromite finely diseminated through the sample.
114	1150m	serpentinite	3m wide vein 165/60W
115	1165m	dunite	
116	1185m	dunite	some banded magnetite/chromite
117	1200m	dunite	iron stained serpentinized vein
118	1200m	dunite	iron stained serpentinized vein.160/55W blebs of chromite
119	1210m	dunite	
120	1215m	dunite	
121	1220m	dunite	nothing of intrest in the rock samples.
122	1240m	dunite	>80% olivine
123	1180m	dunite/peridotite	very coarse grained, some gabroic rock
124	1180	peridotite/gabbro	rock mass is magnetic in nature coarse grained, feldspar pyroxene quartz olivine
125	1160m	gabbro	olivine gabbro
126	1110	gabbro	
127	1110m	gabbro	olivine gabbro

SAM #	ELEV	ROCK TYPE	COMMENTS
128	1100m	gabbro	hint of schistosity 160/vert
129	1080m	dunite	
130	1060	dunite	very poor outcrop.
131	1055m	gabbro	
132	1040	gabbro	hematite slickensides common
133	1010	gabbro	
134	1100m	dunite	fine to med grained colour index 9 to 10 >80% olivine
135	1111m	dunite	
136	1120m	dunite	
137	1130m	dunite	
138	1140m	dunite	
139	1100m	dunite	
140	1100m	dunite	
141	1080m	gabbro	olivine gabbro,serpentinized jointing
142	1050m	gabbro	
143	1050m	gabbro	olivine gabbro with fingers of dunite intruding at 145/45W
144	1060m	gabbro	olivine gabbro with dunnite "veins",150/45W
145	1060m	gabbro	olivine gabbro with hematite slickensided joints at 143/45W some quartz and serpentinite in the jointing.
146	1065	gabbro	hematite coated slickensides in jointing, 000/80E, 010/90 3 senses of movement, 1 horiz. 1 30 deg to south, 135 plunge to north.
147	1070m	gabbro	
148	1080	gabbro	joints infilled with hematite
		end of phase 1 of sampling	
149	990m	dunite	
150	1135m	dunite	trace of fine chromite
151	1135m	dunite	
152	1140m	dunite	
153	1140m	dunite	dunite with serpentinized jointing
154	1150m	dunite	
155	1150m	dunite	
156	1150m	dunite	
157	1070m	dunite	
158	1070m	dunite	
159	1000m	dunite	heavily sheared with serpentinized joint infilling
160	1000m	dunite	serpentinized shear zone and vein system
161	...	dunite	visible chromite, blebs up to 1cm

SAM #	ELEV.	ROCK TYPE	COMMENTS
162	...	dunite	10% to 20% chromite in the dunite, blebs <1cm
163	1990m	breccia/dunite	boundary of peridotite breccia and dunite, some small blebs of chromite
164	1000m	dunite	
165	1000m	dunite	
166	1010m	dunite	
167	1025m	dunite	small blebs of chromite in the dunite
168	1025m	dunite	
169	1035m	dunite	
170	1035m	dunite	chromite blebs to 1 cm, 10% chromite
171	1055	dunite	
172	1055m	dunite	<<10% chromite
173	1055m	dunite	
174	1060m	dunite	
175	1062m	dunite	chromite <10%
176	1100m	breccia	breccia or non plastic highly serpentinized shear zone
177	1105m	dunite	many brecciated shear zones up to 1m wide
178	1130m	dunite	
179	1130m	dunite	
180	1125m	dunite	highly fractured zone similar to breccia but contained in sill or dyke like structures
181	...	dunite	
182	1135m	dunite	
183	1140m	dunite	serpentinized joints
184	1140m	gabbro?	coarse grained,olivine quartz feldspar, medium colour index.
185	1140m	dunite	
186	1140m	dunite	this area has been blasted however the reason for the blasting of this 20m3 pit is not clear
187	1125m	dunite	
188	1118m	dunite	
189	1100m	dunite	
190	1080m	dunite	
191	1075m	dunite	dunite rock mass with some small areas of breccia

samples 192 to 197 omitted due to mistaking the number 2 for a number 7 and going to sample number 197.

197	3065m	dunite	
198	1000m	dunite	serpentinized veins.
199	1040m	dunite	
200	1090m	dunite	
201	1100m	dunite	
202	1110m	dunite	
203	1115m	dunite	
204	1120m	dunite	
205	1125m	dunite	

SAM #	ELEV.	ROCK TYPE	COMMENTS
206	...	dunite	
207	...	dunite	
208	...	dunite	
209	...	dunite	possible flow banding 025/60S appears to extend over 15m and banding is visible on two vectors of the plane
210	1080m	dunite	serpentinized joint systems
211	0990m	dunite	
212	0990m	dunite	small serpentinized veins
213	0990m	dunite	
214	0990m	dunite	structure, 020/90 is pronounced in this area
215	1000m	dunite	at main access road
216	0968m	dunite	
217	0995m	dunite	heavily serpentinized joints
218	1180m	dunite	
219	1190m	dunite	
220	1195m	dunite	
221	1200m	dunite	highly oxidized zone, is visible from access road as reddish knob
222	1220m	dunite	1 metre chip across shear
223	1220m	dunite	dunite with very small blebs of chromite
224	1220m	dunite	
225	1220m	dunite	
226	1220m	dunite	
227	1190m	dunite	
228	1180m	dunite	
229	1175m	dunite	
230	1160m	dunite	chromite assoc. with small veins
231	1140m	dunite	many serpentinized veins
232	1090m	dunite	predominant structure 160/65E
233	1085m	dunite/serpentinite	160/62E vein 1 metre wide
234	1050m	dunite	
235	1040m	dunite	
236	1045m	dunite	
237	1050m	dunite	
238	1065m	dunite	
239	1125m	dunite	at cat track on south side of river
240	1160m	dunite	grab off scree slope has chromite in sample, fallen from cliffs above
241	1175m	dunite	
242	1175m	dunite	
243	1180m	dunite	at base of large cliff, too risky to sample
244	1185m	dunite	
245	1190m	dunite	across 50cm wide vein, oxidized

SAM #	ELEV	ROCK TYPE	COMMENTS
246	1180m	dunite	dunite boulder 50% chromite, boulder was in scree at base of cliff, must come from area < 30m away
247	0900m	gabbro	1m chip across oxidized vein
248	0960m	gabbro	
249	0970m	gabbro	1 m chip across vein 170/90
250	0995m	gabbro	
251	1045m	gabbro	
252	1046m	gabbro	
253	1062m	gabbro	
254	1110m	gabbro	
255	SAMPLE OMMITTED DUE TO SAMPLING ERROR		
256	1120m	gabbro	
257	1121m	gabbro	
258	1120m	gabbro	
259	1100m	gabbro	noted small sill of eagle diorite 175/70W
260	1050m	gabbro	
261	0970m	gabbro	
262	0965m	gabbro/diorite	across diorite sill 1m wide oxidized
263	0920m	gabbro	pyrite dissemenated through quartz vein, 165/90
264	0910m	gabbro	
265	0970m	gabbro	
266	1060m	gabbro	small dykes of diorite 190/55W
267	1065m	gabbro	
268	1080m	gabbro	
269	1120m	gabbro	quartz flooding
270	0135m	gabbro	doirite intruded into jointing 175/60W
271	1150m	gabbro	
272	1150m	gabbro	
273	1060m	dunite	
274	0950m	gabbro	
275	0950m	gabbro	
276	river	gabbro	145/45W 15cm qz vein w/ sulphides
277	river	gabbro	160/75W 10cm qz vein
278	river	gabbro	5cm wide
279	river	gabbro	1m wide vein at the site of a small hand steeled worhing at river level, quartz vein is shot through with sulphides and one can suspect the 1m deep working was exploiting this material
280	river	gabbro/Qz	1m wide sulphide rich vein 165/50W
281	river	gabbro/Qz	1m wide vein w/ sulphides
282	river	gabbro/Qz	1m wide vein w/ sulphides
283	river	gabbro/Qz	165/50W Qz vein w/ sulphides
284	river	gabbro	165/45W 10cm, 15 cm veins of Qz with sulphides

SAM #	ELEV	ROCK TYPE	COMMENTS
285	river	gabbro	cont. of sample 281 south side of river
286	river	gabbro	sampled greenish mineralization on wall 10cm dia. could be malachite?
287	river	gabbro	010/55E 5cm Qz vein
288	river	gabbro	olivine gabbro, 100/65N
289	river	gabbro	090/60N 30cm wide Qz flood
290	river	gabbro	040/65S Qz vein 5cm wide
291	river	gabbro	050/60S Qz vein south side of river same vein as sample 290.
292	river	gabbro	120/90 saml1 Qz vein
293	river	gabbro	175/45W 20cm wide Qz flood
294	river	olivine schist	175/50 W Qz flood intruded into olivine schist could be near major shear or contact.
295	river	diorite	dyke or sill 135/50W
296	river	gabbro/diorite	170/45W and 190/45E 10 to 20 cm wide Qz veins intersect, some hematite smeared on the intersection of the two planes
297	river	gabbro	Qz vein w/ sulphides
298	river	gabbro/dunite	160/70W Qz vein with sulphides
299	river	dunite/gabbro	160/80W Qz vein with sulphides

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SAMPLING ON TULA CLAIMS
OCTOBER 1987
30 HARD ROCK SAMPLES
FOR TIFFANY RES.

SAM #	ELEV	ROCK TYPE	COMMENTS
300	...	dunite	fine to med grained dark green >80% olivine? dunite /peridotite, fine grains of chromite throughout sample <10% chromite
301	...	dunite	" "
302	...	dunite	" "
303	...	dunite	" "
304	...	dunite	" "
305	...	dunite	" "
306	...	dunite	" "
307	...	dunite	olivine gneiss float on ridge
308	...	dunite	" "
309	...	dunite	" "
310	...	dunite	" "
311	...	dunite	" "
312	...	dunite	" "
313	...	dunite	" "
314	...	dunite	" "
315	...	dunite	" "
316	...	dunite	" "
317	...	dunite	" "
318	...	dunite	" "
319	...	dunite	" "
320	...	dunite	" "
321	...	dunite	" "
322	...	dunite	" "
323	...	dunite	" "
324	...	dunite	" "
325	...	dunite	" "
326	...	dunite	" "
327	...	dunite	" "
328	...	dunite	" "
329	...	dunite	" "
330	...	dunite	" "

Note that rock type was very uniform across the sample lines and for that reason the rock type has not been commented on more than once.

END OF SAMPLING

J&L 1

J&L 2 Fr.

J&L 3 Fr.

NICOLA METASEDIMENTS

CONTACT

Britton Creek

Foot trail

L.C.P.

COMPOSITE TRENCHES

RIDGE ZONE

TRENCHES

D1

D2

D3

CREEK ZONE

SOUTH ZONE

R1

R2

R3

Access road

To Princeton 31 miles

ZONE SAMPLED BY NEWMONT (1986). VALUES UP TO 4100 PPB Pt OBTAINED

Tulameen River

4500'

4000'

3500'

3000'

LEGEND

1	PERIDOTITE BRECCIA
2	DUNITE PERIDOTITE
3	OLIVINE GABBRO
4	EAGLE DIORITE

· 110 Pt IN PPB

· (5) Au " "

ZONE CONTAINING ANOMALOUSLY HIGH ROCK PLATINUM VALUES

N

0 100 300 metres

GEOLOGY BY P. PEART, P.ENG. AND J.A. CHAMBERLAIN, Ph.D., P. ENG.

DOLMAGE CAMPBELL & ASSOCIATES LTD. CONSULTANTS
VANCOUVER, CANADA

TIFFANY RESOURCES INC.

TULAMEEN AREA, B.C.

GEOLOGICAL MAP AND SAMPLING PLAN, BRITTON CREEK PROJECT

SCALE 1:5000 | DEC. 1987 | FIG. 3

CHONG