

MAP NO.:	ASSESSMENT REPORT X	DOCUMENT NO:	092528
115 G 2	PROSPECTUS X	MINING DISTRICT:	Whitehorse
	CONFIDENTIAL X	TYPE OF WORK:	GEOLOGICAL, GEOCHEMICAL
	OPEN FILE		

REPORT FILED UNDER: Walhala Exploration Ltd.

DATE PERFORMED: July 9-12, 1987 DATE FILED: September 1, 1988

LOCATION:	LAT.:	61 ⁰ 05'N/61 ⁰ 12.5'N	AREA:	Haines Junction 80km NW
	LONG.:	138 ⁰ 46'W/138 ⁰ 55'W	VALUE \$:	6,000.00

CLAIM NAME & NO.: TONY 1-60 (YB005915-972)

WORK DONE BY: H.J. Keyser & S. Ridgway

WORK DONE FOR: Walhala Exploration Ltd.

DATE TO GOOD STANDING:	REMARKS: # 5 DICKSON, # 6 DESTRUCTION
	The TONY claims cover Triassic ultramafic intrusions immediately east of Kluane National Park. The claims are grouped in two areas, adjacent to the DICKSON and DESTRUCTION ultramafic-associated copper-nickel showings. Fifty-five reconnaissance rock samples taken in 1988 were analysed for cobalt, nickel, copper, chromium, platinum, palladium and gold. One of the samples contained 65 ppb Pt and 7 samples returned values of 30-42 ppb Pd.

REPORT ON THE 1987
GEOLOGICAL AND GEOCHEMICAL
ASSESSMENT WORK ON THE
TONY CLAIMS

092528

Whitehorse M.D., Yukon
July 9-12, 1987

Claims: A. Tony 1-28 (YB 005915-5942)
B. Tony 29-60 (YB 005943-5972)

Location: 1. 80 km NW of Haines Junction, Yukon
2. NTS Sheet 115 G/2
3. A. Latitude 61° 05' N
Longitude 138° 46' W
B. Latitude 61° 12.5' N
Longitude 138° 55' W

For: **Walhala Exploration Ltd.**
5 Teak Avenue
Whitehorse, Yukon
Y1A 4W5

By: Harmen J. Keyser, B.Sc., FGAC
Aurum Geological Consultants Inc.
604-675 West Hastings Street
Vancouver, B.C.
V6B 1N2

July 22, 1988



This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 6000.00.



J. J. Bennett
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

423204

SUMMARY

Walhala Exploration Ltd.'s Tony 1-28 and Tony 29-60 claims cover 1250 hectares in two separate claim blocks in the Whitehorse Mining District about 80 km northwest of Haines Junction, Yukon. The ground became an attractive exploration target in 1986 when a nickel-copper deposit at nearby Wellgreen was re-evaluated for its platinum group element potential.

A reconnaissance program of prospecting, geological mapping, and rock geochemistry was undertaken in 1987 to address the PGE potential of the claims. Results of the work show that the claims are underlain in part by Permian to Triassic ultramafic rocks which are equivalent to the rocks hosting the Wellgreen Ni-Cu-PGE deposit. Older and younger sediments and volcanics have also been mapped. No mineralization was identified, but anomalous platinum (up to 65 ppb), palladium (up to 49 ppb), nickel (up to 2315 ppm), copper (up to 1860 ppm) and chromium (up to 3976 ppm) values were obtained by rock geochemistry. In addition, a unit of undeformed felsic pyroclastic rocks was identified and is considered to be Tertiary in age. It may be a potential host of structurally controlled gold-silver deposits.

Based on these results and current prices for PGE's, further exploration is warranted on the Tony 1-28 and Tony 29-60 claims. An exploration program consisting of geological mapping, prospecting, geochemistry and geophysics is recommended.

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1. INTRODUCTION

1.1 Terms of Reference

This report was prepared at the request of the directors of Walhala Exploration Ltd. Its purpose is to satisfy assessment requirements of the Yukon Quartz Mining Act through a description of a platinum group element (PGE) exploration program carried out on the Tony 1-28 and Tony 29-60 mineral claims.

The exploration program consisted of rock geochemistry, geological mapping (1:10,000), and prospecting carried out by H. Keyser and S. Ridgway during the period July 9-12, 1987. Croesus Resources Inc. of Vancouver funded the work.

1.2 Location and Access

The Tony claims are located in southwestern Yukon, about 200 kilometers west of Whitehorse and 80 kilometers northwest of Haines Junction (Figure 1). The claims lie in the Kluane Ranges, between Kluane Lake and Kluane National Park. Access is provided by helicopters based at Haines Junction or seasonally at Burwash Landing.

1.3 Property

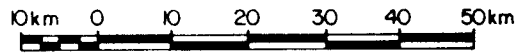
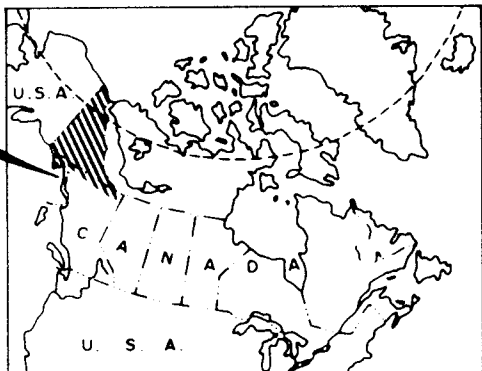
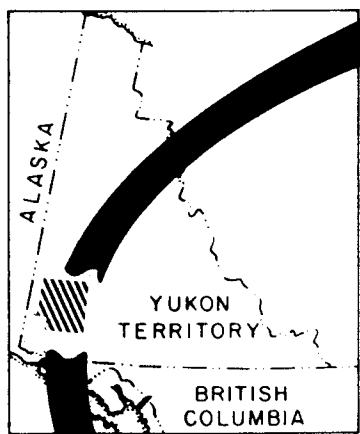
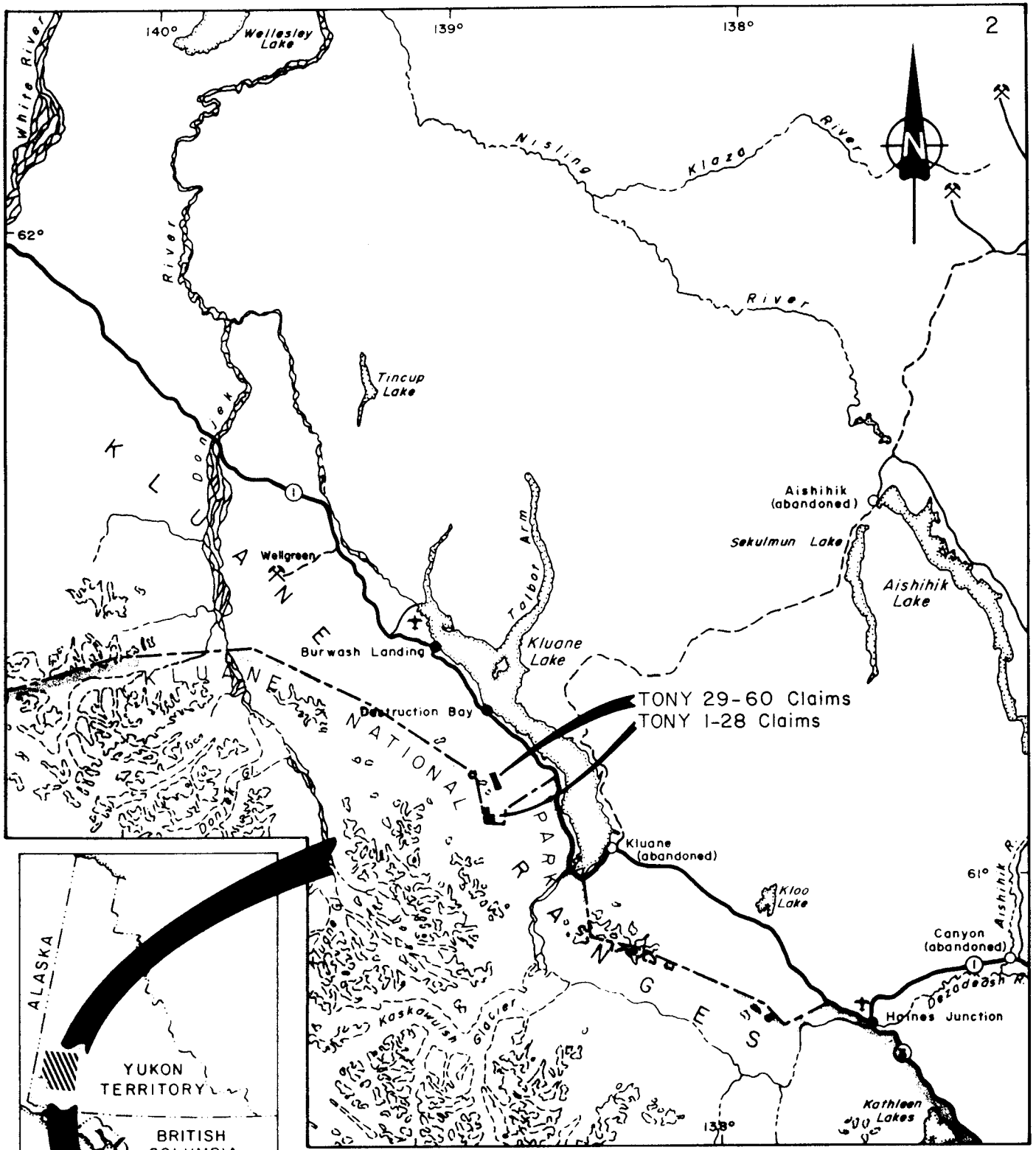
The Tony claims consist of two non-contiguous unsurveyed claim blocks (Figure 2) about 10 kilometers apart staked according to the Yukon Quartz Mining Act. Total area covered is about 1250 hectares. Claim data are as follows:

Claim Name	Grant No.'s	Recording Date	Expiry Date*	No. of Claims
Tony 1-28	YB005915-942	July 2/87	July 2/89	28
Tony 29-60	YB005943-972	July 2/87	July 2/89	32

* pending approval of 1987 assessment work.

The claims are staked in the Whitehorse Mining District and are shown on Yukon Quartz Sheet 115-G-2.

092528



WALHALA EXPLORATION LTD.			
TONY 1-28 and 29-60 Claims			
092528			
LOCATION			
Aurum Geological Consultants Inc.			May, 1988
☺	Drawn by SD/NH	Scale: 1,000,000	Figure: 1

1.4 History

The first mining history in the Kluane area was by Native Canadians who produced native copper from placer deposits in the White River and elsewhere. Placer gold was first produced in 1903 (McConnell 1906).

Interest in lode exploration started in 1952 when W.B. Green and C.A. Aird discovered nickel-copper mineralization at what is now the Wellgreen Mine at Quill Creek. By 1956 reserves stood at 669,365 tonnes grading 2.05 % Ni, 1.42 % Cu, 1.188 g/t Pt, and 0.844 g/t Pd. The Wellgreen Mine produced 96,221 tonnes of ore between startup in May 1972 and closure in August 1973 (Campbell 1976). Beginning in 1986, the same property is being re-evaluated for its Platinum Group Element potential. Drill-indicated reserves after the 1987 exploration season are reported as exceeding 14,300,000 tonnes grading 1.54 g/t Pt with significant additional values in related metals. The Pt/Pd ratio is 1.5 (Hudson-Yukon Mining Co. news release, October 1987).

Walhala Exploration Ltd. acquired the Tony 1-28 and Tony 29-60 mineral claims in June 1987 by staking to cover potential PGE-bearing ground. There is no record of prior exploration on the ground.

1.5 Physiography

Situated in the eastern flanks of the Kluane Ranges, topography on the Tony claims is rugged to precipitous. Elevations on the properties range from 1370 meters to over 2500 meters above sea level.

The climate in the area of the Tony claims is variable, with hot summers and cold winters. Precipitation amounts to about 140 cm annually.

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2. GEOLOGY

2.1 Regional Geology

The Tony claims are located in the Insular Tectonic Belt, immediately southwest of the Shakwak (Denali) Fault system. The regional geology has been adequately described by Muller (1967), and Campbell and Dodds (1982).

The area is underlain by a sequence of Permo-Triassic volcanic and sedimentary rocks with tectonic slices of mafic and ultramafic bodies. These rocks are unconformably overlain by younger sediments and volcanics. Granitoid rocks are rare. Regional structure is dominated by the northwest trending Shakwak and Duke River Faults.

The Wellgreen nickel-copper-PGE deposit occurs as sulfide bodies at a contact between mafic/ultramafic rocks and older siliceous tuffs. Sulfide minerals include pyrrhotite, pyrite, chalcopyrite and sphalerite found mainly in fractures and shear zones in or near dunite-gabbro-peridotite complexes. Campbell (1960) considered that the sulfide fraction was separated at depth from the parent magma and intruded as an ore fluid after consolidation and fracturing of the host rocks. This implies that the ore minerals may be partly hydrothermal in origin. Muller (1967) considers the Wellgreen occurrence as typical magmatic mineralization.

2.2 Geology of the Tony 1-28 Claims

The Tony 1-28 claims (Figure 3) are located at the divide between Congdon Creek and Dickson Creek, and border Kluane National Park to the west and south. Geological mapping is difficult due to limited outcrop resulting from glaciofluvial sediments, abundant scree slopes, and perennial snow fields and glaciers.

The oldest rocks exposed are Permian volcanics and sediments (map units Pc and Ps). Permian to Triassic mafic and ultramafic outliers (map units PTRm and PTRum) were mapped at the western and southern property boundaries. These rocks consist of peridotite in outcrop, but some gabbro and dunite were found in float. Asbestos minerals were located near shear zones at two locations. Contacts with the older sedimentary rocks were nowhere observed. Thick glaciofluvial gravels (map unit Qs) were mapped at the northeastern part of the property and consist of well rounded exotic boulders up to 1 m in diameter with poorly sorted gravels and sands.

1 5 3 0 2 8

2.3 Geology of the Tony 29-60 Claims

The Tony 29-60 (Figure 4) claims are located about 10 km north of the Tony 1-28 claims, at the headwaters of Lewis and Nines Creeks. Abundant surficial debris and snow cover encumbered the 1987 mapping work.

Permian sediments and volcanics (map units Pv, Pc, and Ps) are the oldest rocks exposed. Permian to Triassic mafic and ultramafic outliers (map units PTRm and PTRum) dominated by peridotite and pyroxenite were mapped at the southeastern, central, and northwestern parts of the property. Basalt and andesite flows (map unit uTRn) have been mapped by Campbell and Dodds (1982) at the northwestern part of the claims, and they are attributed to the Nikolai Greenstone.

Felsic pyroclastics (Pv) mapped at the southwestern part of the claims are considered by Campbell and Dodds (1982) as belonging to the lower Paleozoic Station Creek Formation. These rocks are relatively undeformed and are restricted to topographic highs; therefore these rocks are considered to be younger than Triassic. It is suggested that these rocks belong to the Wrangell or Ootsa Lake volcanic assemblages of Tertiary age.

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3.0 GEOCHEMISTRY

A total of 30 rock samples were taken during the 1987 exploration work; 5 on the Tony 1-28 claims and 25 on the Tony 29-60 claims. All the samples were analyzed for total Co, Ni, Cu, Cr, Pd, Pt, and Au contents by Bondar-Clegg and Company Ltd. of North Vancouver, B.C. Analytical methods and results are presented in the appendix to this report.

Cobalt values ranged up to 152 ppm, nickel to 2315 ppm, copper to 1860 ppm, chromium to 3976 ppm, palladium to 49 ppb, platinum to 65 ppb, and gold to 44 ppb. Insufficient samples were taken to establish relative anomalous values.

Archer, Cathro and Associates Ltd. consider anomalous threshold values for platinum and palladium at 50 and 30 ppb respectively with a background of near zero based on their experience at the Wellgreen deposit (Silverquest Resources Ltd. news release, August 5, 1987). Platinum, palladium, and related elements are clearly associated with ultramafic rocks on the Tony claims as indicated by their relative low values in a sample of andesite (74512).

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4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

1. The Tony 1-28 and Tony 29-60 properties were staked to cover potential PGE-bearing ground in the vicinity of a major Cu-Ni-PGE deposit at Wellgreen currently under feasibility study.
2. No mineralization was identified during the 1987 exploration program.
3. The same ultramafic rock unit hosting the Wellgreen PGE deposit has been mapped on both the Tony 1-28 and Tony 29-60 claims.
4. Of 30 rock samples taken, one is considered to have anomalous platinum (65 ppb), and seven have anomalous palladium (30-49 ppb). Anomalous values in copper, nickel, chromium, and cobalt, which are associated with PGE's at Wellgreen, appear to be restricted to ultramafic rocks. There were no anomalous gold values.
5. Felsic volcanic and pyroclastic rocks exposed on the Tony 29-60 claims are considered to be younger than Cretaceous in age, and may be a potential host of structurally controlled epithermal precious metal mineralization.
6. Given the favorable geology and low-order anomalous platinum, palladium, and related element values, continued exploration for PGE's and gold is considered warranted.

03:58

4.2 Recommendations

1. The ultramafic rocks (map unit PTRum) and closely adjoining units on both the Tony 1-28 and Tony 29-60 claim groups should be carefully explored for PGE mineralization. PGE's may not be sufficiently mobile in the near-surface environment to respond to direct conventional soil and stream sediment geochemistry. Prospecting for sulfide mineralization and rock geochemistry are considered to be the primary exploration tools. Although the main exploration target is magmatic PGE-Ni-Cu mineralization, the possibility of hydrothermal remobilization associated with fault zones must be addressed. Exploring for related minerals and elements with magnetic surveying and Co-Cu-Cr-Ni sediment and soil geochemistry should also be utilized.
2. Felsic volcanic and pyroclastic rocks exposed at the southern part of the Tony 29-60 claims should be explored for gold-silver mineralization with conventional prospecting, Au-Ag-Pb-Cu-As-Sb-Hg geochemistry, and geological mapping. Special attention must be paid to structure and alteration.
3. Any further exploration (trenching, road building, drilling, etc.) is contingent on results of the above work.

Respectfully submitted,



Harmen J. Keyser, B.Sc., FGAC

July 22, 1988

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REFERENCES

- Campbell, F.A. 1960:
Nickel Deposits in the Quill Creek and White River areas,
Yukon. C.I.M. Transcripts, Vol. 63, p. 662-668.
- Campbell, R.B. and Dodds, C.J. 1982:
Geology of S.W. Kluane Lake Map-Area, Yukon Territory.
G.S.C. Open File 829.
- Campbell, S.W. 1976:
Nickel-Copper Sulphide Deposits in the Kluane Ranges, Yukon
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10.
- McConnell, R.G. 1905:
The Kluane Mining District. G.S.C. Annual Report for 1904, Vol
XVI-A.
- Muller, J.E. 1967:
Kluane Lake Map-Area, Yukon Territory. G.S.C. Memoir 340.

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STATEMENT OF COSTS

1987 Assessment Work Valuation; Tony 1-28 claims.

Harmen Keyser, Geologist of Vancouver, B.C. 3 days @ 300/day:	\$900.00
Simon Ridgway, Prospector of Whitehorse, Y.T. 3 days @ 250/day:	750.00
Truck Rental; 3 days @ 50/day:	150.00
ATC Rental; 1 day @ 50/day x 2:	100.00
Gas:	79.25
Meals and accommodations:	230.45
Maps and Field Supplies:	45.84
Analytical Costs (5 samples):	117.50
Helicopter Charter:	465.12
Total 1987 Assessment Valuation; Tony 1-28 Claims:	<u>\$ 2838.16</u>

1987 Assessment Work Valuation; Tony 29-60 claims.

Harmen Keyser, Geologist of Vancouver, B.C. 3 days @ 300/day:	\$900.00
Simon Ridgway, Prospector of Whitehorse, Y.T. 3 days @ 250/day:	750.00
Truck Rental; 3 days @ 50/day:	150.00
ATC Rental; 1 day @ 50/day x 2:	100.00
Gas:	118.88
Meals and accommodations:	345.67
Maps and Field Supplies:	68.76
Analytical Costs (25 samples):	587.50
Helicopter Charter:	697.68
Total 1987 Assessment Valuation; Tony 29-60 Claims:	<u>\$ 3718.49</u>

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STATEMENT OF QUALIFICATIONS

I, HARMEN J. KEYSER, hereby certify that;

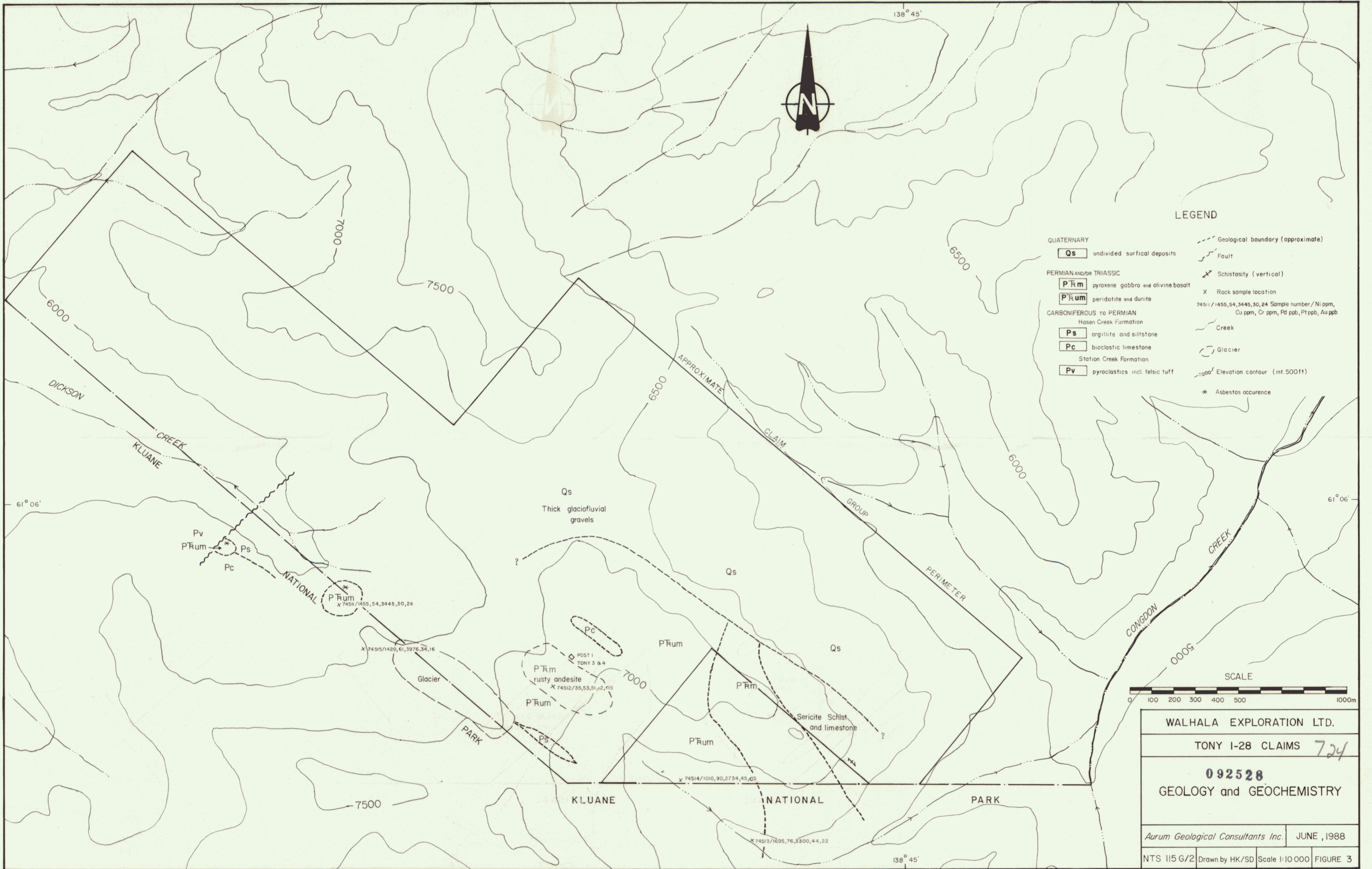
1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 604-675 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.
3. I am a fellow of the Geological Association of Canada (F3759) and a member of the Yukon Professional Geoscientists Society.
4. I have no direct or indirect interest in the properties or securities of Croesus Resources Inc. or Walhala Exploration Ltd.
5. I am the author of this report on the Tony claims, which is based on my personal participation and supervision of exploration work carried out during the period July 9 to 12, 1987.
6. This report is intended to satisfy assessment requirements only.

July 22, 1988



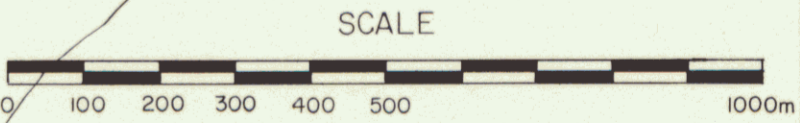
Harmen J. Keyser, B.Sc., FGAC

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LEGEND

- QUATERNARY
 - Qs** undivided surficial deposits
- PERMIAN AND/OR TRIASSIC
 - P'um** pyroxene gabbro and olivine basalt
 - P'rum** peridotite and dunite
- CARBONIFEROUS TO PERMIAN
 - Hasen Creek Formation
 - P's** argillite and siltstone
 - P'c** bioclastic limestone
 - Station Creek Formation
 - P'v** pyroclastics incl. felsic tuff
- Geological boundary (approximate)
- Fault
- Schistosity (vertical)
- X Rock sample location
74511/1455,54,3445,30,24 Sample number / Ni ppm, Cu ppm, Cr ppm, Pd ppb, Pt ppb, Au ppb
- Creek
- Glacier
- 1000' Elevation contour (inf. 500ft)
- * Asbestos occurrence

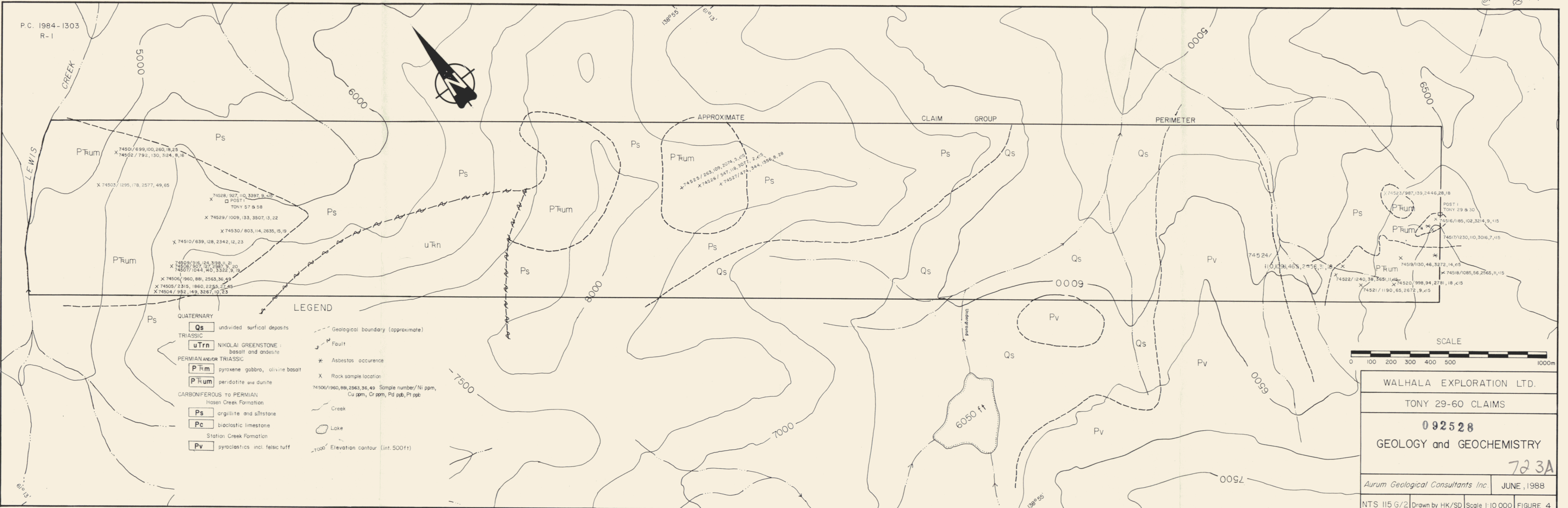


WALHALA EXPLORATION LTD.
 TONY I-28 CLAIMS **724**
092528
 GEOLOGY and GEOCHEMISTRY

Aurum Geological Consultants Inc. JUNE, 1988

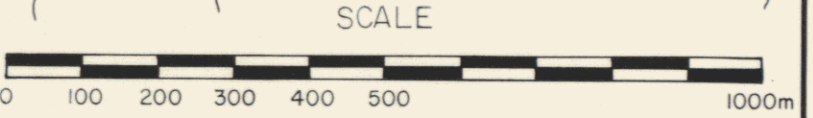
NTS 115 G/2 Drawn by HK/SD Scale 1:10 000 FIGURE 3

P.C. 1984-1303
R-1



LEGEND

- QUATERNARY**
 - Qs** undivided surficial deposits
 - TRIASSIC**
 - uTrn** NIKOLAI GREENSTONE: basalt and andesite
 - PERMIAN AND/OR TRIASSIC**
 - PTrm** pyroxene gabbro, olivine basalt
 - PTrm** peridotite and dunite
 - CARBONIFEROUS TO PERMIAN**
 - Hasen Creek Formation
 - Ps** argillite and siltstone
 - Pc** bioclastic limestone
 - Station Creek Formation
 - Pv** pyroclastics incl. felsic tuff
- - - Geological boundary (approximate)
 - - - Fault
 - * Asbestos occurrence
 - X Rock sample location
 - Creek
 - Lake
 - - - Elevation contour (int. 500ft)



WALHALA EXPLORATION LTD.	
TONY 29-60 CLAIMS	
092528	
GEOLOGY and GEOCHEMISTRY	
723A	
Aurum Geological Consultants Inc.	JUNE, 1988
NTS 115 G/2	Drawn by HK/SD Scale 1:10 000 FIGURE 4

APPENDIX

092528

AURUM GEOLOGICAL CONSULTANTS INC. Rock Sample Location and Description Record
 Client: Walhala Property: Tony 1-28; 29-60 NTS: 115 G/2 Area: Kluane Lake, Yukon Samplers: HK
 Date: July 9-12, 1987 Lab: Bondar-Clegg Report No.: 017-3325

Sample No.	Location	Description	Attitude	Width	Co ppm	Ni ppm	Cu ppm	Cr ppm	Pd ppb	Pt ppb
74501	100 m SW of 1 CP's for Tony 59 & 60	Fine grained magnetic gabbro float found in scree slope.	Float		65	699	100	260	18	25
74502	As above	Fine grained black magnetic pyroxenite float found in otherwise sediment scree slope.	Float		86	792	130	3124	8	16
74503	Tony 59	Rusty magnetic black fine grained ultramafic float found in scree slope.	Float		94	1295	178	2577	49	65
74504	Tony 57	Magnetic pyroxenite rubble found on ridge top. Well developed fractures.	Float		96	952	149	3267	10	23
74505	Tony 57 30 m NE of 504.	Sulfide-bearing magnetic black rusty float up to 10x55 cm. About 2% total sulfides including Py, Po, Cpy.	Float		117	2315	1860	2255	27	45
74506	20 m NE of 74505	As above	Float		118	1960	881	2563	36	49
74507	Tony 57	Black fine grained magnetic ultramafic rock, from outcrop about 10x50 m; traces sulfides.	Charac'r		110	1044	140	3322	9	19
74508	Tony 57	Black fine grained magnetic ultramafic rock, lower wallrock to plagioclase-rich 20 cm band or sill.	110/605	1 m	93	907	127	2987	9	20
74509	Tony 57	As above, upper wallrock, includes some plagioclase	110/605	1.5 m	97	916	124	3198	11	21

AURUM GEOLOGICAL CONSULTANTS INC. Rock Sample Location and Description Record

Client: Walhala Property: Tony 1-28; 29-60 NTS: 115 G/2 Area: Kluane Lake, Yukon Samplers: HK

Date: July 9-12, 1987 Lab: Bondar-Clegg Report No.: 017-3325

Sample No.	Location	Description	Attitude	Width	Co ppm	Ni ppm	Cu ppm	Cr ppm	Pd ppb	Pt ppb
		sill.								
74510	Tony 57	Black fine grained magnetic ultramafic rock; typical sample of outcrop across gully from 508.	Charac'r		66	639	128	2342	12	23
74511	Tony 'S'	Black fine grained magnetic ultramafic rock with serpentine and chrysotile along fractures, traces pyrite.	Float		152	1455	54	3445	30	24
74512	Tony 'S' On divide between Dickson Cr. and Congdon Cr.	Rusty weathering andesite with 1% diss'd Pyrite.	Charac'r		48	35	53	51	2	15
74513	Congdon Creek	Dense black pyroxenite with traces pyrite. Taken from park, but source is probably on Tony claims.	Float		150	1695	76	3300	44	22
74514	Congdon Creek	As above, but from outcrop on S side of Creek.	Charac'r		113	1010	90	2734	45	15
74515	Dickson Creek	Dense black magnetic ultramafic rock, traces pyrite, pentlandite. Found below foot of glacier; source unknown.	Float		132	1420	61	3976	34	16
74516	Tony 29	Dense black magnetic pyroxenite. Traces pyrite, rusty fractures.	Float		141	1185	102	3214	9	15

AURUM GEOLOGICAL CONSULTANTS INC. Rock Sample Location and Description Record

Client: Walhala Property: Tony 1-28; 29-60 NTS: 115 G/2 Area: Kluane Lake, Yukon Samplers: HK

Date: July 9-12, 1987 Lab: Bondar-Clegg Report No.: 017-3325

Sample No.	Location	Description	Attitude	Width	Co ppm	Ni ppm	Cu ppm	Cr ppm	Pd ppb	Pt ppb
74517	Tony 29	As above	Float		133	1230	110	3016	7	15
74518	Tony 29	As above	Float		134	1085	56	2565	11	15
74519	Tony 29	As above	Float		102	1130	46	3272	14	15
74520	Tony 29	Highly altered greenish rock material cut by numerous calcite veinlets. Non-magnetic.	Float		92	998	94	2781	18	15
74521	Tony 29	As above but from outcrop.	Charac'r		82	1190	65	2672	9	15
74522	Tony 31	Magnetic, mottled brown weathering, dense black pyroxenite float.	Float		81	1240	38	3651	11	15
74523	Tony 30	Blocky weathering weakly magnetic ultramafic outcrop with abundant Mn staining and soft yellowish-brown coatings on fractures.	Charac'r		92	987	139	2446	28	18
74524	Tony 31	Strongly magnetic pyroxenite float found in scree slope. Rusty fractures, traces pyrite.	Float		110	1098	465	2456	31	18
74525	Tony 'N'	Rusty weathering magnetic dense black pyroxenite. Rubble on ridge.	Charac'r		64	263	109	2074	5	15
74526	Tony 'N'	Rusty weathering magnetic dense black pyroxenite, from rubble on ridge.	Charac'r		92	547	118	3077	2	15
74527	Tony 'N'	As above.	Charac'r		103	474	344	1556	8	28
74528	Tony 58	Magnetic dense black	Float		101	927	110	3397	9	15

AURUM GEOLOGICAL CONSULTANTS INC. Rock Sample Location and Description Record

Client: Walhala Property: Tony 1-28; 29-60 NTS: 115 G/2 Area: Kluane Lake, Yukon Samplers: HK

Date: July 9-12, 1987 Lab: Bondar-Clegg Report No.: 017-3325

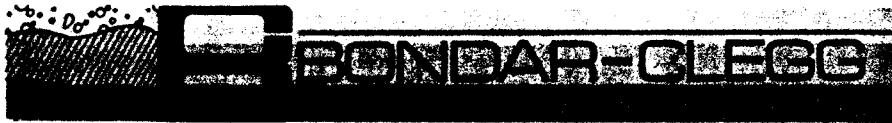
Sample No.	Location	Description	Attitude	Width	Co ppm	Ni ppm	Cu ppm	Cr ppm	Pd ppb	Pt ppb
		pyroxenite with Po, Py. On claim line 30 m N of P2 for Tony 55 & 56.								
74529	Tony 57	As above, but from outcrop.	Charac'r		105	1009	133	3507	13	22
74530	Tony 55	Fine frained gabbro. No sulfides noted but rock has rusty mottled weathering pattern.	Float		78	803	114	2635	15	19

Note: values below lower
detection limit are entered
at the detection limit.

Number:	30	30	30	30	30	30
Maximum:	152	2315	1860	3976	49	65
Minimum:	48	35	38	51	2	15
Average:	101.6	1043.3	206.5	2724.0	17.8	21.8

092528

Bondar-Clegg & Company Ltd.
 5420 Canbick Rd.,
 Ottawa, Ontario,
 Canada K1J 8X5
 Phone: (613) 749-2220
 Telex: 053-3233



Geochemical
 Lab Report

REPORT: 017-3325 (COMPLETE)

REFERENCE INFO: 47-4956

CLIENT: AURUM GEOLOGICAL CANADA
 PROJECT: 745

SUBMITTED BY: H. KEYSER
 DATE PRINTED: 28-JUL-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Co Cobalt	30	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
2	Ni Nickel	30	2 PPM	HCl-HNO3, (1:3)	Atomic Absorption
3	Cu Copper	30	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
4	Cr Chromium	30	2 PPM		X-Ray Fluorescence
5	Pd Palladium	30	2 PPB	AQUA REGIA	FireAssay/DC Plasma
6	Pt Platinum	30	15 PPB	AQUA REGIA	FireAssay/DC Plasma
7	Au Gold	30	1 PPB	AQUA REGIA	FireAssay/DC Plasma

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	30	-200	30	CRUSH,PULVERIZE -200	30

REMARKS: < MEANS LESS THAN

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SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Ni PPM	Cu PPM	Cr PPM	Pd PPB	Pt PPB	Au PPB
74501		65	699	100	260	18	25	6
74502		86	792	130	3124	8	16	3
74503		94	1295	178	2577	49	65	6
74504		96	952	149	3267	10	23	5
74505		117	2315	1860	2255	27	45	37
74506		118	1960	881	2563	36	49	18
74507		110	1044	140	3322	9	19	4
74508		93	907	127	2987	9	20	4
74509		97	916	124	3198	11	21	3
74510		66	639	128	2342	12	23	5
74511		152	1455	54	3445	30	24	3
74512		48	35	53	51	<2	<15	<1
74513		150	1695	76	3300	44	22	7
74514		113	1010	90	2734	45	<15	5
74515		132	1420	61	3976	34	16	3
74516		141	1185	102	3214	9	<15	6
74517		133	1230	110	3016	7	<15	1
74518		134	1085	56	2565	11	<15	1
74519		102	1130	46	3272	14	<15	1
74520		92	998	94	2781	18	<15	3
74521		82	1190	65	2672	9	<15	2
74522		81	1240	38	3651	11	<15	2
74523		92	987	139	2446	28	18	12
74524		110	1098	465	2456	31	18	9
74525		64	263	109	2074	5	<15	5
74526		92	547	118	3077	<2	<15	7
74527		103	474	344	1556	8	28	44
74528		101	927	116	3397	9	<15	5
74529		105	1009	133	3507	13	22	6
74530		78	803	114	2635	15	19	6