

UTM limits:
6035500m - 6039500m N
417000m - 420500m E

NTS 93 K/8 E&W
Lat 54°30'N
Long 124°15'W

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**REPORT ON
LIMESTONE INVESTIGATION
ON THE FSJ 1 TO 7 CLAIMS
OMINECA MINING DIVISION
BRITISH COLUMBIA**

LOG NO: 08/24	RD.
ACTION:	
FILE NO:	

FOR

CONTINENTAL GOLD CORP.
1020-800 West Pender Street
Vancouver, B.C. V6C 2K6

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,231

A.M.S. Clark, Ph.D., FGAC, P.Geol(Alta)
RELIANCE GEOLOGICAL SERVICES INC.
241 East First Street
North Vancouver, B.C. V7L 1B4

18 July 1990

SUMMARY

An investigation of limestones in the FSJ 1 to 7 claims was carried out between 23 and 27 June 1990 and limestone was located in two bands in the south of the claim group.

The FSJ 1 to 7 claims are in the Omineca Mining District east of Stuart Lake and immediately north of and adjacent to the town of Fort St. James. The claims are situated over limestones of the Permian Cache Creek Group in the Omineca Crystalline Belt.

The analyses and calculations on the samples indicate negligible sulphur and excellent neutralising potential as was expected from these apparently pure limestones.

A rough estimate was made of the total amount of limestone entirely within the claims, and excluding that part that is within the municipal boundary of Fort St. James:

Northern area:

volume	1,014,400 cubic meters
tonnage	2,749,024 tonnes

Southern area - eastern part (available outside protected lots and entirely within the claim boundaries):

volume	434,000 cubic meters
tonnage	1,176,140 tonnes

1. INTRODUCTION

This report was prepared at the request of Continental Gold Corp. to describe and evaluate the results of a geological and rock geochemical survey carried out by Reliance Geological Services Inc. on the FSJ 1 to 7 claims in the Fort St. James area of the Interior Plateau, British Columbia. The field work was undertaken to evaluate the limestone on the claims for purity and acid neutralising capabilities. Field work was carried out from the June 23rd to June 27th, 1990 by Chris McAtee, M.Sc., geologist, and Ted Archibald, prospector, under the supervision of Peter Leriche.

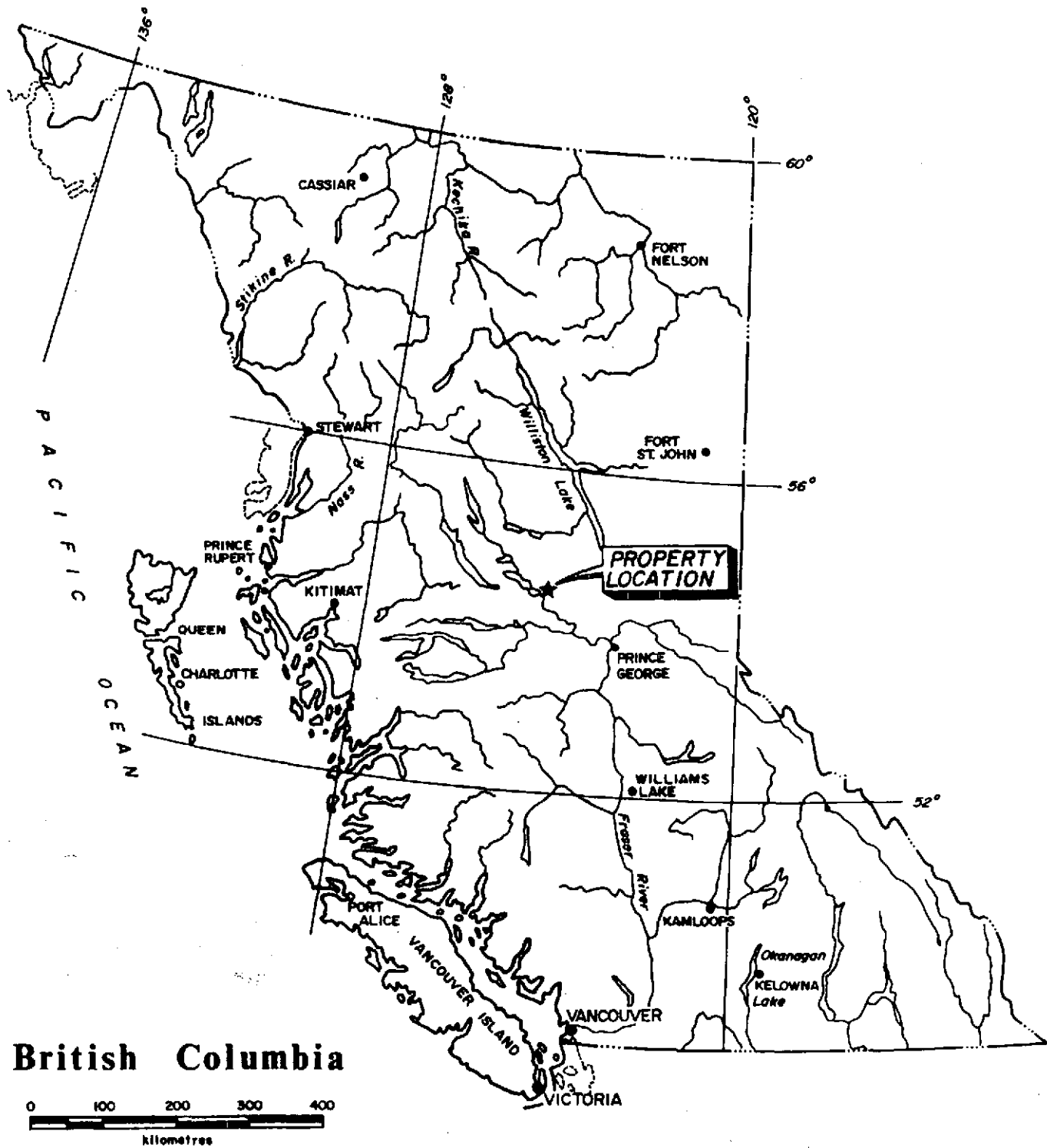
The author has not been on the property, and this report is based entirely on published and unpublished information received from Peter Leriche, B.Sc., F.G.A.C., and the maps, reports and notes by Chris McAtee, M.Sc. (Geol).

2. LOCATION, ACCESS AND TOPOGRAPHY

The FSJ claims are situated on the Interior Plateau of British Columbia, approximately 2 kilometers north of Fort St. James (Figures 1 and 2). The claims lie within Map Sheet NTS 93 K/8, at latitude 54° 30' North, longitude 124° 15' West, and between UTM 6035500m and 6039500m North, and UTM 417000m and 420500m East.


A good 4 wheel drive road accesses the limestone on the FSJ 5 claim from the southeast, and a similar road comes within 350 meters of the limestone on the FSJ3 and 4 claims (Figure 4).

The property is in hilly terrain with moderate to steep sided hills rising from about 2400ft (730m) to a maximum of 3600ft (1100m) above mean sea level. The area is forested with white spruce, fir and lodgepole pine.



British Columbia



 CONTINENTAL GOLD CORP.	
F.S.J. PROPERTY Omineca M.D., B.C.	
General Location Map	
Scale as shown	N.T.S. 93 K/8
Date June 1990	Figure 1
RELIANCE GEOLOGICAL SERVICES INC.	

54°30' N | 124°15' W



F.S.J. 1
11024 (8)

F.S.J. 2
11025 (8)

F.S.J. 4 11027(8) F.S.J. 3 11026(8) F.S.J. 5 11028(8) F.S.J. 6 11029(8)

F.S.J. 7
11030(8)

27

Nahounli Creek

STUART
LAKE

Fort
St. James

SPAD
LAKE

Necoslie River

Stuart
River

27

0 0.5 1 2 km

CONTINENTAL GOLD CORP.

F.S.J. PROPERTY
Omineca M.D., B.C.

Claim Map

Scale as shown	N.T.S. 93 K/8
Date June 1990	Figure 2

RELIANCE GEOLOGICAL SERVICES INC.

3. PROPERTY STATUS

The property consists of the FSJ 1 to 7 claims (Figure 2) in the Omineca Mining Division. The claims are owned 100% by Continental Gold Corp. The following is the relevant information on the claims:

<u>Claim</u>	<u>Record Number</u>	<u>Units</u>	<u>Record Date</u>	<u>Expiry Date</u>
FSJ 1	11024	15	23 Aug 1989	23 Aug 1990
FSJ 2	11025	6	23 Aug 1989	23 Aug 1990
FSJ 3	11026	1	24 Aug 1989	23 Aug 1990
FSJ 4	11027	1	24 Aug 1989	23 Aug 1990
FSJ 5	11028	1	23 Aug 1989	23 Aug 1990
FSJ 6	11029	1	23 Aug 1989	23 Aug 1990
FSJ 7	11030	<u>1</u>	23 Aug 1989	23 Aug 1990
		26		

The total area covered by the claims is 650 hectares. However some of the claims lie over protected lots (Figure 4).

4. AREA HISTORY

There is no record of mining in the area, though limestone has been quarried in the vicinity in the past (Appendix D).

5. PREVIOUS WORK

There are two known occurrences of limestone in the vicinity that have been worked in the past. They are described in more detail in Appendix D. Prospecting for limestone was carried out in the region in 1989 by Continental Gold Corp. (Blanchflower, 1989), which led to the staking of these claims.

6. REGIONAL GEOLOGY

The claims lie within Upper Palaeozoic units of the Pinchi Belt (Tipper, et al., 1979). The limestone itself is part of the Permian Cache Creek Group (Figure 3), consisting of greenstone, argillite, limestone, and minor chert. A more detailed description of these limestones, including analyses, is given for samples collected in the Fort St. James area by Armstrong (1965).



LEGEND

- Fault (mapped, assumed)
- > Thrust fault (teeth on hanging wall)(mapped, assumed)
- ◆—— Anticline
- ∩—— Syncline

FOR LITHOLOGY, SEE FOLLOWING PAGE

(G.S.C. map 1424 A, Tipper et al, 1979)

CONTINENTAL GOLD CORP.

F.S.J. PROPERTY
Omineca M.D., B.C.

Regional Geology

Scale	as shown	N.T.S.	93 K/8
Date	June 1990	Figure	3

RELIANCE GEOLOGICAL SERVICES INC.

Geological Legend

QUATERNARY

Qs till, gravel, sand, silt, alluvium

TERTIARY

eTg quartz monzonite, granodiorite, quartz diorite

MPvb olivine basalt flows, breccia, tuff

KTol Ootsa Lake Group : rhyolite, dacite, trachyte, sandstone, shale, conglomerate

KTs Sustut Group : conglomerate, shale, greywacke, breccia, sandstone, coal

CRETACEOUS

eKg Naver Intrusions : quartz monzonite, syenite, monzonite, granodiorite, diorite

JURASSIC

JKgd granodiorite, quartz diorite, minor granite

TJr Takla Group : andesite, basalt, tuff, breccia, conglomerate, greywacke, shale, limestone

TJy Duckling Creek Syenite Complex : syenite, diorite, monzonite, pyroxenite

TJg Hogem Batholith : granodiorite, quartz, monzonite

PERMIAN and/or TRIASSIC

PTub Trembleur Intrusions : and similar bodies : peridotite, dunite, pyroxenite, serpentinite

UPPER PALEOZOIC and YOUNGER or OLDER

Pv andesitic volcanics, greenstone, argillite, shale, limestone

SILURIAN (?) and DEVONIAN

SDs limestone, dolomite, sandy dolomite, quartzite, shale

SILURIAN

Ssv limestone, quartzite, shale, greenstone sills and flows

CAMBRIAN and ORDOVICIAN

EOs limestone, shale, quartzite

HADRYNIAN and PALEOZOIC

HPs undivided sedimentary and metasedimentary rocks of Hadrynian to Lower Devonian age

HIs Ingenika Group : undivided phyllite, schist, grit, limestone

Hic Ingenika Group : limestone

AGE UNKNOWN

ng granitoid gneiss, pegmatite, schist, amphibolite, quartzite

7. 1990 PROGRAM

7.1 Scope and Purpose

The purpose of the program was to evaluate the amount of available limestone on the claims, and the purity and acid neutralising capabilities of the limestone.

7.2 Methods and Procedures, General

Prospecting, geological mapping, gridding, and rock sampling were carried out on the claim (Figure 4).

Seven representative select samples were collected on the property. These samples were sent to Chemex Labs Ltd. of North Vancouver, for complete whole rock and acid-base accounting analysis. Sample #394018 was analyzed for specific gravity.

A gridded line was run from the FSJ 2 Corner Post (3S) 300 meters south, then 1000 meters west across the FSJ 3 and 4 claims. Stations were established every 25 meters using hip chain, compass, and flagging (Figure 4).

7.3 Volume Calculations

Volume calculations have been made of the limestone on the property using the TechBase(R) computer program. The procedure used consisted of digitising the contours of the map area, estimating the topographic surface into a grid table, determining the apparent base of the limestone from the lowest occurrences of limestone and highest occurrences of non-limestone lithologies on the hill sides, and estimating this surface into the grid table. The volume between the two surfaces was then calculated. No consideration was taken of overburden. A specific gravity of 2.71 (equivalent to a density factor of 2.71 g/ml or 2.71 tonnes per cubic meter) was used to calculate tonnage.

7.4 Property Geology

(Description by Chris McAtee, M.Sc.; See Figure 4).

Outcrop on the property is confined to the two post FSJ 3 to 7 claims. Traverses run across the FSJ 1 and 2 claims showed only overburden.

The FSJ 3 to 7 claims are underlain by a north to south sequence of limestones, greenstones, and argillites (Figure 4). The northernmost limestones (FSJ 5 claim) consist of massive to medium bedded, light grey weathering, tan to dark brownish grey granular, crinoidal limestone. A strike of 117° /dip 48° N was obtained at sample site #394020.

These limestones are on contact with a 250 meter wide sequence of massive, blocky, strongly jointed greenstones which form a south facing ridge across the claims.

The greenstones are in contact with a ridge of limestones to the south which is from 35 to 80 meters wide. These rocks are massive to rubbly, light grey weathering, granular, brownish grey limestones. A strike of 118° /dip 36° N was measured at the #394023 sample site location.

7.5 Results

The samples were analysed for total sulphur, maximum potential acidity, neutralisation potential, paste pH, specific gravity and rock-forming oxides.

Sulphur percentages for the samples analyzed are between 0.002 and 0.016%S. The maximum potential acidity is zero, and the neutral potential is between 609 and 993 tons CaCO_3 equivalent per thousand tons material. Paste pH is between 8.3 and 8.6 and the specific gravity of the one sample tested is 2.71. Three samples had elevated Si content with 11.35%, 20.31% and 35.45% SiO_2 , respectively. These are all reddish brown weathering, probably siliceous limestone.

Volumes and tonnages were calculated for the north and south limestone ridges, assuming that quarrying will go no deeper than the lowest outcrop of each limestone occurrence respectively, and no further into the hillside than the northern outcrop boundary of each occurrence. Volumes are calculated for the area within the property boundary only, and outside the Fort St. James municipal district, as part of the southern limestone occurrence extends over a part of the municipal area. The southern limestone occurrence is therefore divided into two parts, an east and a west part, which refer to only that limestone that is within the actual property boundary. The west part is too small to be considered for quarrying at this stage and so tonnages are not calculated for it (Figures 5 and 6).

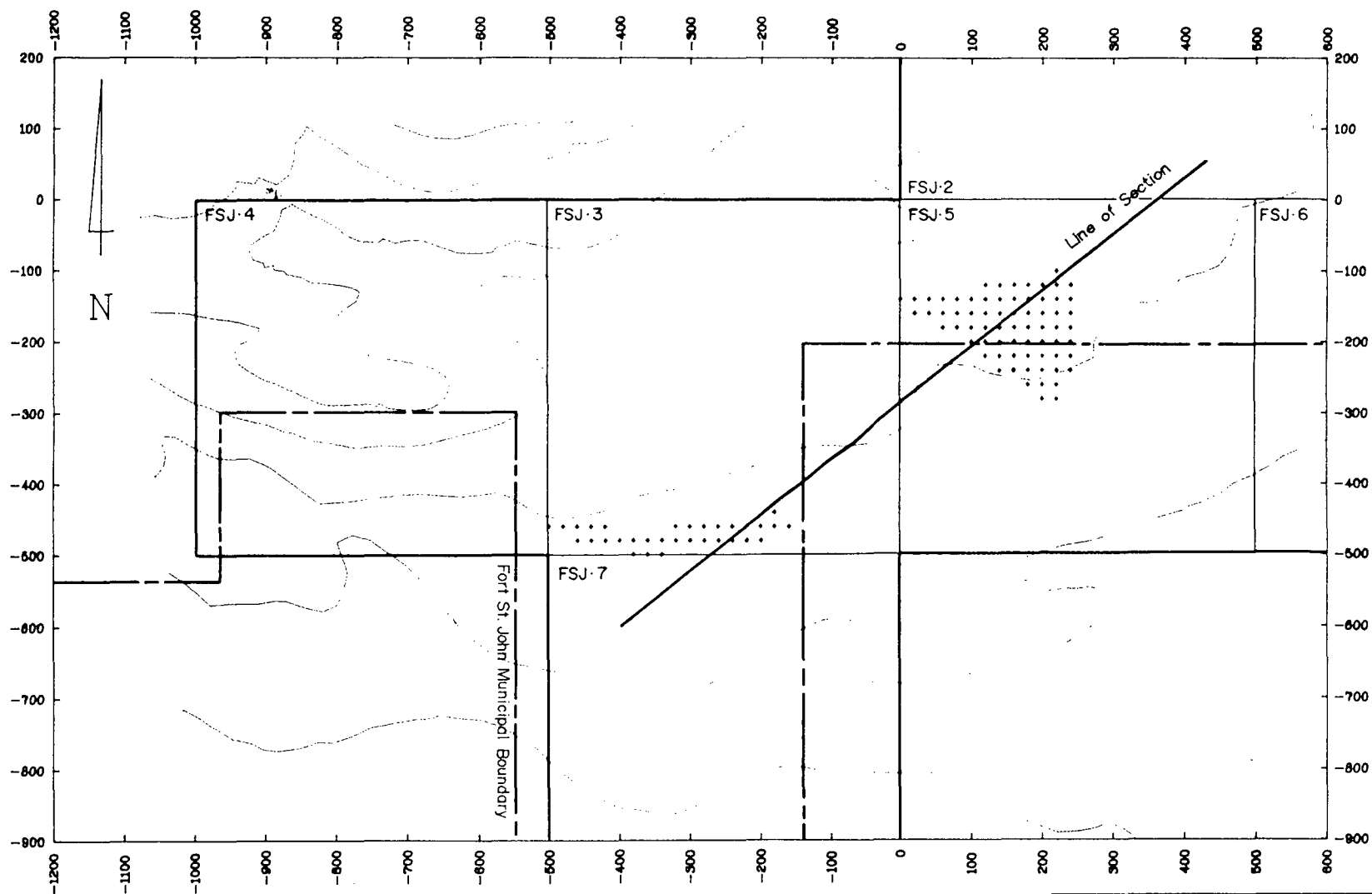
As there is little geological control on the full extent of the limestone, and also as the quarrying plan is not prepared, assumptions had to be made as to what is 'available' limestone for volume and tonnage calculations. The volume and tonnage figures are, therefore, only estimates and not 'geological reserves'.

Northern area:

volume	1,014,400 cubic meters
tonnage	2,749,024 tonnes

Southern area-eastern part (available outside protected lots and within the claim boundaries - see Figure 4):

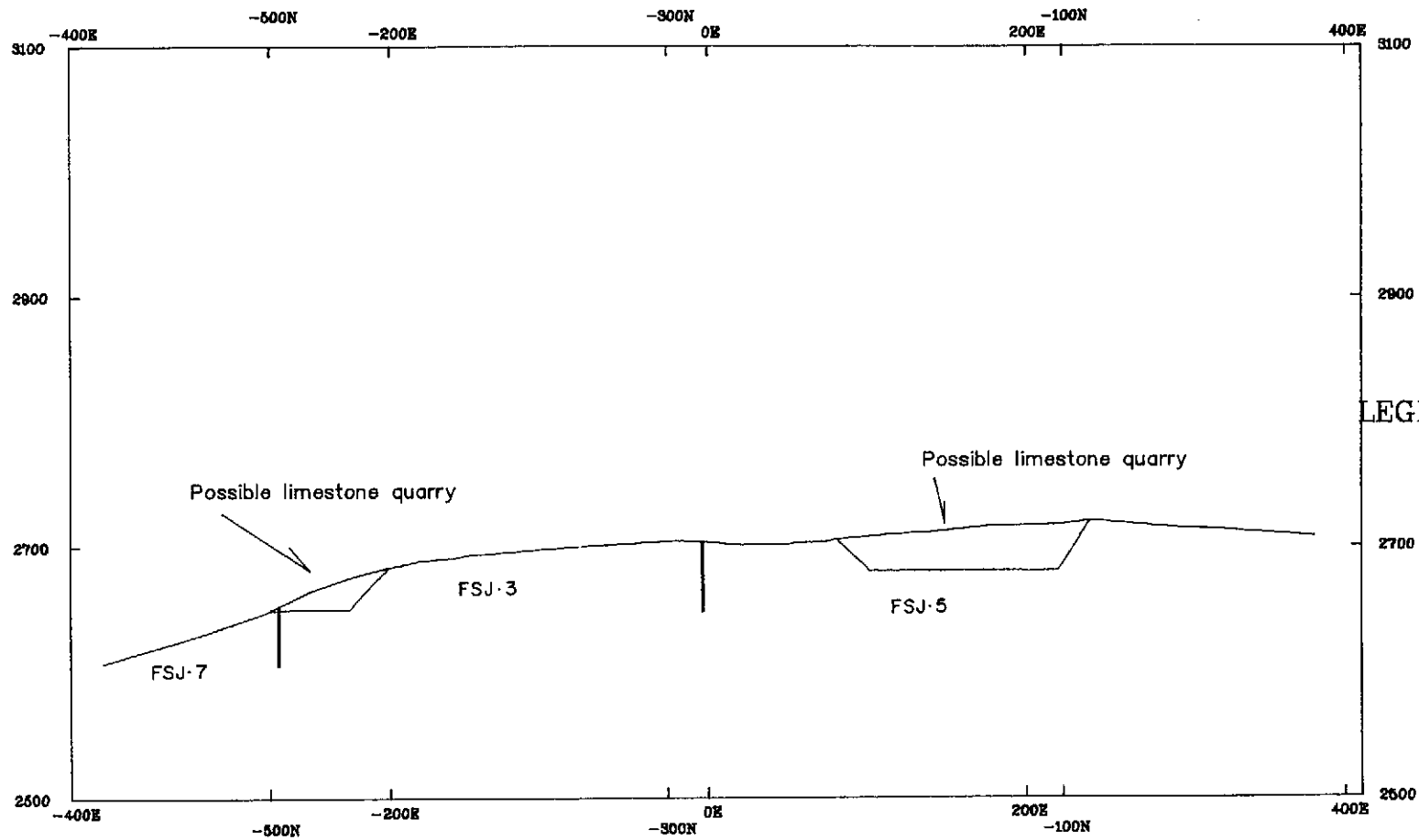
volume	434,000 cubic meters
tonnage	1,176,140 tonnes



⋯⋯⋯ Limestone outcrop.

Figure 5

CONTINENTAL GOLD CORP.	
FSJ Claims	
LIMESTONE	
DATE: 18 July 1990	Drawn By: Tony Clark
RELAINCE GEOLOGICAL SERVICES INC	



LEGEND

CONTINENTAL GOLD CORP.	
FSJ Claims	
SECTION	
DATE: 18 July 1990	Drawn By: Tony Clark
RELIANCE GEOLOGICAL SERVICES INC.	

Figure 6

7.6 Discussion of Results

Analyses of the samples indicated negligible sulphur, very high neutralising potential and high pH, all as expected from good quality limestone.

It is again emphasised that without better geological control, the volume and tonnage results can only be taken as estimates, not as any form of 'geological reserve'.

8. CONCLUSIONS

The field work located and partially defined two occurrences of limestone at the south edge of the claims. Part of one of these is outside the property boundary and is not considered in the calculations.

9. RECOMMENDATIONS

If these estimated tonnages appear suitable for the purposes of Continental Gold Corp., then further geological mapping and possibly drilling should be undertaken to determine the actual base of the limestone and the amount of faulting and folding, to be followed by test quarrying of a bulk sample for further chemical analysis.

REFERENCES

Armstrong, J.E., 1965. Fort St.James Map-Area, Cassiar and Coast Districts, B.C.. Geol. Surv. Canada, Memoir 252, Ottawa.

Blanchflower, J.D., August 1989. Report on the Exploration for Limestone Occurrences in the Mt.Milligan Area. Consultant's report to Continental Gold Corp.

MinFile: British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, MinFile Database of mineral occurrences in British Columbia. Victoria, 1989.

Tipper, H.W., Campbell, R.B., Taylor, G.C. and Stott, D.F., 1979. Parsnip River, British Columbia, Sheet 93. Geol. Surv. Canada, 1:1000000 Geological Atlas Series, Map 1424A.

CERTIFICATE

I, ANTHONY M.S. CLARK, of 2988 Fleet Street, Coquitlam, B.C., do hereby state that:

1. I am a graduate of the University of Cape Town, Cape Town, South Africa, with a Bachelor of Science Degree in Geology, 1963, and of Memorial University, St. John's, Newfoundland, with a Doctor of Philosophy Degree in Geology, 1974.
2. I am a Fellow in good standing with the Geological Association of Canada, and registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
3. I actively pursued my career as an exploration geologist for twenty-three years from 1963 to 1986, since when I have undertaken consulting in the fields of mineral exploration and computer applications to exploration.
4. The information, opinions, and recommendations in this report are based on information obtained by other personnel who undertook the fieldwork on the property, and on published and unpublished literature. I have not visited the subject property.
5. I have no interest, direct or indirect, in the subject claims or the securities of Continental Gold Corp.
6. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

RELIANCE GEOLOGICAL SERVICES INC.


Anthony M.S. Clark, PhD., F.G.A.C. P.Geol (Alta)

Dated at North Vancouver, B.C., this 7th day of August 1990.

9th August 1990

ITEMIZED COST STATEMENT
FSJ PROJECT

Project Preparation		\$ 100.
Mobilization & demobilization (includes freight, transportation, wages)		\$ 525.
<u>Field Crew:</u>		
Project Geologist - June 23-27/90		
\$325/day x 5 days		\$1,625.
Prospector - June 23-27/90		
\$250/day x 5 days		<u>\$1,250.</u>
		\$ 2,875.
<u>Field Costs:</u>		
Camp rental & fuel	\$ 50/day x 5 days	\$ 250.
Communications	\$ 25/day x 5 days	\$ 125.
Food	\$ 50/day x 10 mandays	\$ 500.
Supplies	\$ 20/day x 5 days	\$ 100.
Vehicles	\$110/day x 5 days	<u>\$ 550.</u>
		\$ 1,525.
<u>Assays & Analysis:</u>		
Acid base accounting package, including Sulphur, Max potential acidity, Paste pH, Neutralization potential) \$ 65.		
Whole Rock Analysis	\$ 20.	
Total, per sample	\$ 85.	
7 rock samples @ \$85/sample		\$ 595.
Whole Rock Analysis @ \$25.00/sample)		
1 rock sample @ \$7.50/sample (specific gravity)		\$ 7.
Total, per sample		\$ 602.
<u>Report:</u>		
Report writing and editing		\$ 1,300.
Sub-total		\$ 6,927.
Administration, incl. Supervision, Overhead and Profit		\$ 1,039.
TOTAL		<u>\$ 7,966.</u>

APPENDICES

- Appendix A: Sample Descriptions by Chris McAtee.
- Appendix B: Analytical Results.
- Appendix C: Description of Analytical Method.
- Appendix D: MinFile descriptions of limestone occurrences
in the area.

APPENDIX A
Sample Descriptions

Sample descriptions by Chris McAtee.
(Fizz refers to reaction to dilute hydrochloric acid).

394018

Massive, light grey weathering, fine to medium crystalline brownish grey limestone. Rust on fracture plans. Fizz is medium.

394019

Medium to coarse grained brownish grey limestone.

394020

Massive to medium bedded, medium brownish grey (some chalky) weathering, fine to coarse grained, brown crinoidal limestone. Strike 117/48 N.

Fizz is medium

394021 (Off Claim)

Massive to medium bedded, light grey weathering, granular, light brownish grey (tan) limestone. Fizz is medium

394022 (Off Claim)

Massive, beige weathering, jointed limestone. As at sample site 394021.

394023

Medium bedded to massive, light grey weathering, dark brownish grey limestone.

Strikes 118/36 N.

Fizz is good.

394024

Massive to rubbly, light grey weathering, fine to coarse crystalline dark grey limestone. Some fossiliferous. Fizz is excellent.

394061

Light grey weathering dark grey cryptocrystalline limestone.

394062

Medium grey weathering, medium to dark brownish grey limestone. Some <1mm to 2 mm calcite stringers. Orange rust on bedding planes. Fossiliferous. Fizz is good.

APPENDIX B
Analytical Results

first page



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: RELIANCE GEOLOGICAL SERVICES INC.

241 E. 1ST. ST.
NORTH VANCOUVER, BC
V7L 1B4

Page Number : 1
Total Pages : 1
Invoice Date : 22-JUL-90
Invoice No. : 1-9018458
P.O. Number : NONE

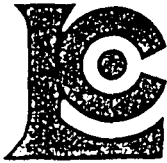
Project :
Comments : ATTN: CHRIS MCATEE

CERTIFICATE OF ANALYSIS A9018458

SAMPLE DESCRIPTION	PREP CODE	S % (Leco)	MAX POT ACID **	Neutral Poten**	PASTE pH	Spec Gr S.G.						
394001	208 294	0.023	0	957	8.6	2.70						
394002	208 294	0.001	0	981	8.2	-----						
394003	208 294	0.001	0	987	8.1	-----						
394004	208 294	0.002	0	983	8.3	-----						
394005	208 294	0.001	0	993	8.8	-----						
394006	208 294	0.002	0	971	8.4	-----						
394007	208 294	< 0.001	0	918	8.3	-----						
394009	208 294	0.001	0	998	8.6	-----						
394011	208 294	0.002	0	998	8.6	-----						
394014	208 294	< 0.001	0	993	8.5	-----						
394015	208 294	< 0.001	0	1027	8.7	2.74						
394016	208 294	< 0.001	0	983	8.6	-----						
394018	208 294	0.003	0	971	8.4	2.71						
394019	208 294	0.002	0	847	8.4	-----						
394020	208 294	0.003	0	782	8.4	-----						
394023	208 294	0.016	0	609	8.6	-----						
394024	208 294	0.003	0	952	8.5	-----						
392057	208 294	0.002	0	987	8.5	-----						
394059	208 294	< 0.001	0	1052	9.0	-----						
394061	208 294	0.003	0	993	8.4	-----						
394062	208 294	0.003	0	981	8.3	-----						

NOTE: ** UNITS - TONS CaCO3 EQUIVALENT PER THOUSAND TONS MATERIAL

CERTIFICATION: *W. Sestmanini*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: RELIANCE GEOLOGICAL SERVICES INC.

241 E. 1ST. ST.
NORTH VANCOUVER, BC
V7L 1B4

Page Number : 1
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Invoice Date: 26-JUL-90
Invoice No. : I-9018459
P.O. Number : NONE

Project :
Comments: ATTN: CHRIS MCATEE

CERTIFICATE OF ANALYSIS A9018459

SAMPLE DESCRIPTION	PREP CODE	Al2O3 %	BaO %	CaO %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
394001	299 200	0.31	< 0.01	51.01	0.01	0.14	0.39	< 0.01	0.18	0.03	3.23	< 0.01	42.36	97.57
394002	299 200	0.42	< 0.01	47.32	0.01	0.16	5.09	< 0.01	0.15	0.01	1.05	0.01	43.90	97.99
394003	299 200	0.02	< 0.01	52.76	< 0.01	0.10	0.52	< 0.01	0.15	0.05	0.31	< 0.01	43.84	97.69
394004	299 200	0.12	< 0.01	51.40	0.03	0.12	1.13	0.01	0.15	< 0.01	0.73	< 0.01	44.19	97.81
394005	299 200	0.22	< 0.01	43.80	< 0.01	0.16	3.54	< 0.01	0.16	0.01	0.76	0.01	43.89	97.32
394006	299 200	0.02	< 0.01	52.06	< 0.01	0.11	0.37	0.01	0.15	0.03	1.93	< 0.01	42.79	96.90
394007	299 200	0.81	0.01	48.97	0.60	0.26	0.46	0.22	0.26	0.03	5.07	0.03	40.81	96.98
394009	299 200	0.07	< 0.01	52.61	< 0.01	0.10	1.46	< 0.01	0.16	< 0.01	0.03	< 0.01	43.04	96.82
394011	299 200	0.14	0.09	48.70	< 0.01	0.12	4.24	0.02	0.16	0.01	0.37	< 0.01	43.85	97.20
394014	299 200	0.06	< 0.01	53.49	< 0.01	0.10	0.48	< 0.01	0.17	< 0.01	0.02	< 0.01	43.20	97.48
394015	299 200	0.12	< 0.01	43.84	< 0.01	0.11	9.14	0.01	0.19	0.04	0.34	< 0.01	44.91	98.64
394016	299 200	0.31	0.01	52.27	< 0.01	0.14	1.51	< 0.01	0.22	< 0.01	0.76	< 0.01	43.31	99.44
394018	299 200	0.32	< 0.01	52.96	0.05	0.17	0.58	0.08	0.19	0.04	1.56	0.02	43.21	99.01
394019	299 200	1.00	< 0.01	45.79	0.58	0.27	1.43	0.02	0.17	0.10	11.35	0.12	38.27	99.08
394020	299 200	0.08	< 0.01	42.06	0.09	0.11	0.43	0.01	0.18	0.06	20.31	< 0.01	35.11	98.41
394023	299 200	0.46	< 0.01	32.15	0.29	0.25	1.21	0.02	0.17	0.06	35.45	0.04	28.06	98.07
394024	299 200	0.48	< 0.01	46.04	0.51	0.24	4.59	0.04	0.19	0.11	3.62	0.05	42.71	98.48
394057	299 200	0.07	< 0.01	53.78	< 0.01	0.12	0.29	< 0.01	0.16	0.01	0.43	< 0.01	43.07	97.86
394059	299 200	0.13	< 0.01	35.29	0.04	0.10	16.86	0.01	0.17	0.05	< 0.01	< 0.01	45.37	97.96
394061	299 200	0.05	< 0.01	53.71	< 0.01	0.10	0.58	< 0.01	0.17	< 0.01	0.14	< 0.01	43.05	97.76
394062	299 200	< 0.01	< 0.01	53.77	0.01	0.11	0.54	< 0.01	0.16	< 0.01	0.85	< 0.01	42.78	98.17

CERTIFICATION:

B. Coughlin

APPENDIX C
Description of Analytical Method

first page



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: RELIANCE GEOLOGICAL SERVICES INC.

241 E. 1ST. ST.
NORTH VANCOUVER, BC
V7L 1B4

A9018458

Comments: ATTN: CHRIS MCATEE

CERTIFICATE

A9018458

RELIANCE GEOLOGICAL SERVICES INC.

Project: NONE
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-JUL-90.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	21	Assay ring to approx 150 mesh
294	21	Crush and split (0-10 pounds)

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
380	21	S &: Leco induction furnace	LECO-IR DETECTOR	0.001	100.0
1117	21	Maximum potential acidity	CALCULATION	N/A	N/A
1118	21	Neutralization potential	TITRATION	N/A	N/A
1119	21	Paste pH	POTENTIOMETER	N/A	N/A
444	3	Specific gravity S.G.	PICNOMETER	0.01	20.0



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

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ACID BASE ACCOUNTING PROCEDURES

Paste pH

Soil pH is measured by a glass electrode incorporated with a pH meter. Water is added to the sample forming a paste. The electrode is placed in the paste and the reading for pH is taken directly from the meter.

Neutralization Potential

The amount of neutralizing bases, including carbonates, present in overburden materials is found by treating a sample with a known excess of standardized hydrochloric acid. The sample and acid are heated to ensure that the reaction between the acid and the neutralizers goes to completion.

The calcium carbonate equivalent of the sample is obtained by determining the amount of unconsumed acid by titration with standardized sodium hydroxide (Jackson, 1958).

Maximum Potential Acidity by Total Sulfur Determination

This method measures the total sulfur in a sample. If all of the total sulfur occurs in pyritic forms, the calculation of maximum potential acidity from sulfur corresponds with actual potential acidity from sulfur. But if part of the sulfur occurs in other forms, the maximum as calculated will be too high. It is for this reason that such calculations are referred to as maximums and in doubtful cases approximate determinations should be made which rule out other sulfur forms. These determinations are not necessary when the maximum acid from total sulfur is within safe limits.

A sample is heated to approximately 1600 degrees C. A stream of oxygen is passed through the sample during a heating period. Sulfur dioxide is released from the sample and collected in a dilute hydrochloric acid solution containing potassium iodide, starch and a small amount of potassium iodate. This solution is automatically titrated with a standard potassium iodate solution. The CS-125 Leco Analyzer uses an IR detection system.

Reference - EPA 600/2-78-054 March 1978.



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To: RELIANCE GEOLOGICAL SERVICES INC.

241 E. 1ST. ST.
NORTH VANCOUVER, BC
V7L 1B4

A9018459

Comments: ATTN: CHRIS MCATEE

CERTIFICATE

A9018459

RELIANCE GEOLOGICAL SERVICES INC.

Project:
P.O.#: NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-JUL-90.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	21	Sample split from other certif Whole rock fusion
200	21	

* NOTE 1:

Code 1000 is used for repeat gold analyses
It shows typical sample variability due to
coarse gold effects. Each value is
correct for its particular subsample.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
594	21	Al2O3 %: Whole rock	ICP-AES	0.01	99.00
542	21	BaO %: Whole rock	ICP-AES	0.01	99.00
588	21	CaO %: Whole rock	ICP-AES	0.01	99.00
586	21	Fe2O3(total) %: Whole rock	ICP-AES	0.01	99.00
821	21	K2O %: Whole rock	ICP-AES	0.01	99.0
593	21	MgO %: Whole rock	ICP-AES	0.01	99.00
596	21	MnO %: Whole rock	ICP-AES	0.01	99.00
599	21	Na2O %: Whole rock	ICP-AES	0.01	99.00
597	21	P2O5 %: Whole rock	ICP-AES	0.01	99.00
592	21	SiO2 %: Whole rock	ICP-AES	0.01	99.00
595	21	TiO2 %: Whole rock	ICP-AES	0.01	99.00
475	21	L.O.I. %: Loss on ignition	FURNACE	0.01	99.00
540	21	Total %	CALCULATION	0.01	N/A

APPENDIX D

MinFile descriptions of limestone occurrences in the area.

There are only two described occurrences of limestone in the MinFile database that is within the 93K mapsheet, both of which are in the near vicinity of the claims:

Fort St. James (Stuart Lake)	N.T.S.: 93K/08W
Minfile #: 93K 092	Lat: 54 27 37
Map #: L100	Long: 124 17 47

Limestone outcrops on the south side of a 15 meter high knoll on the north shore of Stuart Lake over a length of 300 meters with widths of up to 76 meters, 3.5 kilometers northwest of Fort St. James. The deposit is situated on the southwest margin of the western limestone band, which outcrops along the northeast shore of Stuart Lake.

The deposit is composed of light to dark grey, very fine grained, well fractured limestone that is frequently cut by calcite veinlets up to 1.3 centimeters thick. The limestone contains some black and rusty stained, cherty argillite lenses. A grab sample of randomly collected chips from the floor of the quarry assayed 54.81% CaO, 0.93% MgO, 0.17% insolubles, 0.10% R2O3, 0.06% Fe2O3, 0.003% MnO, 0.01% P2O5, 0.002% sulphur and 43.98% ignition loss (E.M.P.R. Annual Report 1968, p. 310). A small amount of limestone was produced from a quarry located 46 meters north of the road that leads to Fort St. James along the north shore of Stuart Lake.

References:

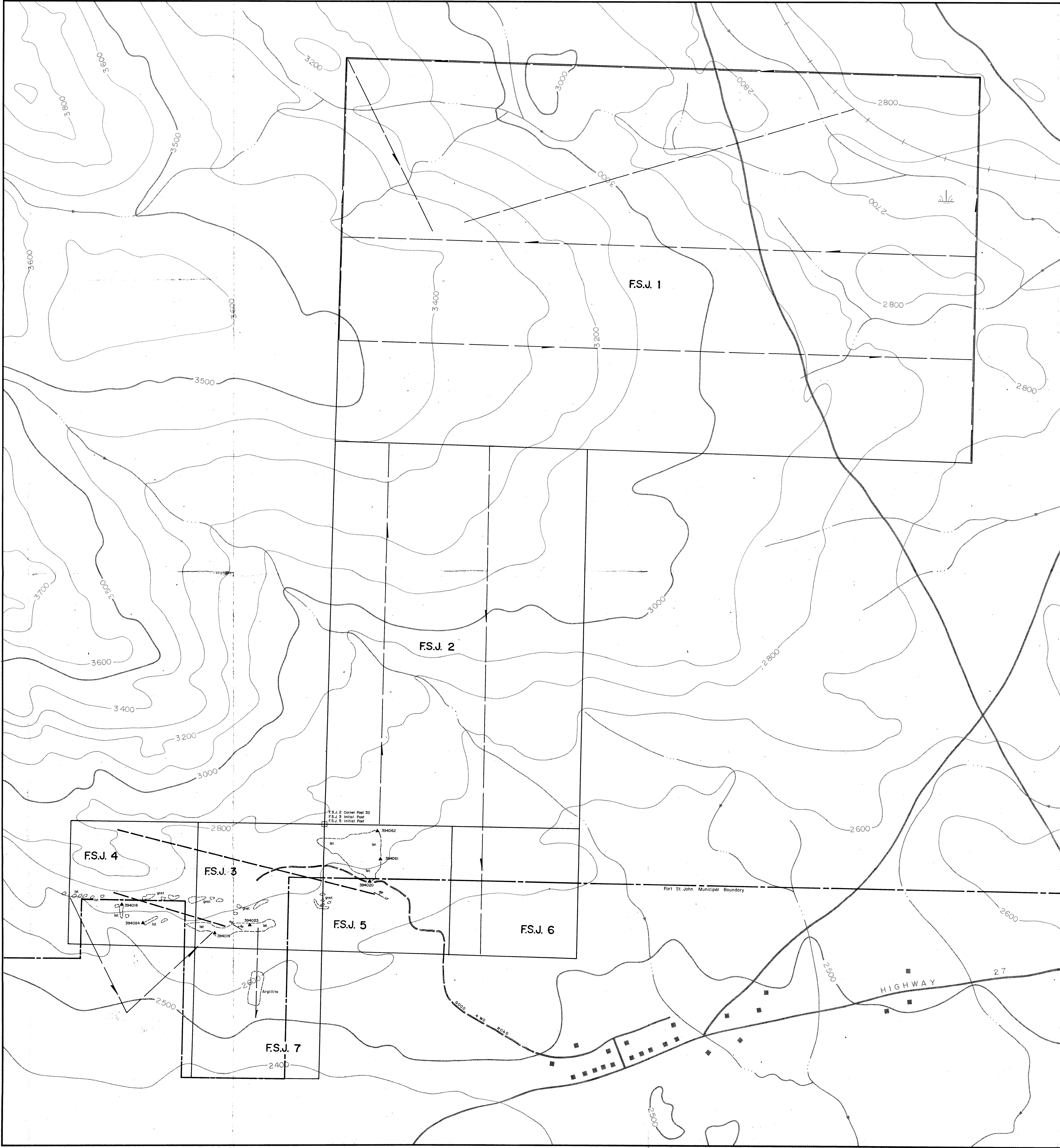
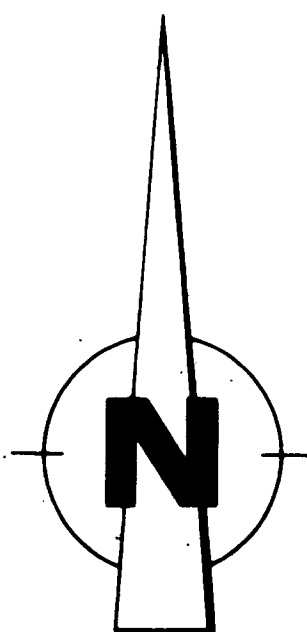
E.M.P.R. Annual Report 1968, p. 310

Stuart Lake (Fort St. James)	N.T.S.: 93K/08W
Minfile #: 93K 023	Lat: 54 28 30
Map #: L101	Long: 124 19 27

A small quarry 90 meters northeast of Stuart Lake, 6.3 kilometers northwest of Fort St. James, exposes medium grey, fine grained, well fractured limestone with scattered crinoid remains. The deposit lies on the southwest margin of the western limestone band. A sample composed of chips taken at 0.6 meter intervals across the 18.3 meter long quarry face contained 53.75% CaO, 0.22% MgO, 3.30% insolubles, 0.14% R2O3, 0.08% Fe2O3, 0.05% MnO, 0.01% P2O5, 0.008% sulphur and 42.52% ignition loss (E.M.P.R. Annual Report 1968, p. 310).

References:

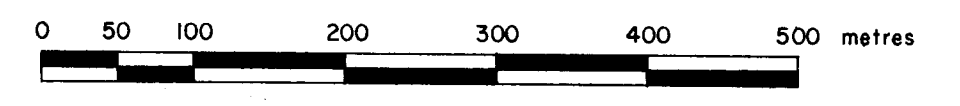
E.M.P.R. Annual Report 1968, p. 310



- LEGEND**
- geological contact, assumed
 - limestone outcrop, subcrop
 - greenstone outcrop, subcrop
 - sample location & number
 - railroad
 - road
 - swamp
 - creek
 - contour (100ft interval)
 - claim boundary
 - traverse line

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,230



CONTINENTAL GOLD CORP.
F.S.J. PROPERTY
Omineca M.D., B.C.
**Property Geology
&
Sample Locations**

Scale	1 : 5000	N.T.S.	93K/8
Date	June 1990	Figure	

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