BAZ QUARTZ PROJECT

Yukon Territory, Canada
Map Sheet NTS 115 - N - 07

YMIP # 11-025

FINAL REPORT

D.R. (Bud) Davis,
Prospector

Information and Data Base Sources;

Geological Survey of Canada
Yukon Geological Survey
Yukon Assessment Data
La Tierra Resources Ltd.

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(Sections)

YMIP FINAL SUBMISSION FORM

	Date submitted: JAN. 12, 2012
submit by January 31st to: *(winter placer projects may submit at pre-approved date)*	YMIP- EMR/ YTG Street address: 102-300 Main Street — YMIP@gov.yk.ca Mailing address: Box 2703, K-102 — phone: 867-456-3828 Whitehorse, Yt, Y1A 2C6 — fax: 867-667-3198

CONTACT INFO		***PROJECT INFO***	
Name:	D. R. (BUD) DAVIS	YMIP no:	11-025
Address:	BOX 304-211 ELLIOTT ST.	Project name:	BAZ PROJECT
	WHITEHORSE YT Y1A 2A1	Project type:	HARD ROCK
email	BUD.LATIERRA@GMAIL.COM	Project module:	GRASSROOTS
Phone:	CELL (867) 334-5641		

Is the final report enclosed? X yes — X hard copy

___ no — ___ pdf copy

___ digital spreadsheet of station location data

Comment:

PROJECT SUMMARY

Total project expenditures: $14,215.17

Number of new claims since March 31st: 4

Has an option resulted since March 31? ___ yes X no ___ in negotiation

Number of calendar field days: 17

Number of person-days of employment: 17 paid 20 days of unpaid work

Total no. of samples: 15 rocks 2 silts 15 soils ___ other

Total length/volume of trenching/ shafting: —

Total number of line-km of geophysics —

Total meters drilled — diamond drill ___ RC drill ___ auger/percussion drill

Other products (provide details):

FINANCIAL SUMMARY

This is not an expense claim form. To request reimbursement of expenses, please submit a separate detailed expense claim form.

Total daily field allowance	3,400.00	Total contractor costs	Ø
Total field air transportation costs (helicopter/plane)	2,128.14	Total excavating/ heavy equipment costs	Ø
Total truck/ mileage costs	690.20	Total assay/analyses costs	1,032.58
Total wages paid	4,250.00	Total reclamation costs	Ø
Total light equipment rental costs	900.00	Total report writing cost	1,200.00
Other (please specify) SAT PHONE	614.25	Total staking costs	Ø
Other (please specify)			

Your feedback on any aspect of the program:

The Department of Energy, Mines and Resources may verify all statements related to and made on this form, in any previously submitted reports, interim claims and in the Summary or Technical Report which accompanies it.

I certify that;

1. I am the person, or the representative of the company or partnership, named in the Application for Funding and in the Contribution Agreement under the Yukon Mining Incentives Program.

2. I am a person who is nineteen years of age or older, and I have complied with all the requirements of the said program.

3. I hereby apply for the final payment of a contribution under the Yukon Mining Incentives Program (YMIP) and declare the information contained within the Summary or Technical Report and this form to be true and accurate.

Date JAN 12 2012

Signature of Applicant [signature]

Name (print) DAVID R. (BUD) DAVIS

(see reverse)

YMIP Expense Claim Form - Client copy

YMIP no:	11- 025	*project name:*	Baz Project	*Applicant name*	David R. (Bud) Davis
Expense Claim no:	2 - Final	*program type:*	hard rock	*program module:*	grassroots
date submitted	12-Jan-12	*phone:*	cell (867) 334 - 5641	*email:*	bud.latierra@gmail.com
address	Box 304 - 211 Elliott Street, Whitehorse, Yukon Y1A 2A1				
Start/ end dates of fieldwork for this claim:	9-Jun-11 (*start*)	25-Jun-11 (*end*)	*no of field days/ this claim:*	0	

eligible expenses *Please refer to rate guidelines. Provide photocopy of receipts. Amounts to exclude GST*

item		unit/days	rate	total (no GST)
daily field expenses	no persons:		$100/day	$0.00
Personnel	*Name (supply statement of qualifications)*			

equipment (rental)	private or commercial	unit/days	rate	total
Total North - Sat phone	commercial	month	400.00 +	$614.25
	private			
	private			
	private			
	private			
	private			
	private			
	private			
	private			
	private			
	private			
other	*please provide details*			
ALS Minerals Ltd. Inv.# 2341379	Soils and	Stream Sediment	samples	$533.27
ALS Minerals Ltd. Inv.# 2341459	Rock Samples			$499.31
Final Report				$1,200.00
			Grand total this claim:	$2,846.83

TOTAL NORTH

127 Copper Rd - Whitehorse, Yukon Y1A 2Z7
Tel : (867) 668-5175 Fax : (867) 668-4710

ll To La Tierra Resources

,

Invoice #	11-1291
Date	28/06/2011
Payment Type	Visa
Initiated by	Karin Steele
P.O. / Contract	
Account #	CASH

vices :
ntal of sat phone from June 2 -28 with 74 min used

uantity	Item	Unit Price	Total
1	month rental	$400.00	$400.00
74	74 min used	$2.50	$185.00

	Subtotal	$585.00
GST #R105328132	GST 5%	$29.25
	Invoice Total	**$614.25**

Thank you for your business !

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

ALS Minerals

To: LA TIERRA RESOURCES LTD.
BOX 304- 211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

INVOICE NUMBER 2341379

BILLING INFORMATION

Certificate:	WH11128717
Sample Type:	Stream Sediment
Account:	LATIRE
Date:	21-JUL-2011
Project:	Baz Project
P.O. No.:	
Quote:	
Terms:	Due on Receipt C3
Comments:	

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
17	PREP-41	Dry, Sieve (180 um) Soil	1.40	23.80
8.88	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	19.98
17	ME-MS41L	51 anal. aqua regia ICPMS	23.80	404.60
17	GEO-AR01	Aqua regia digestion	3.50	59.50

SUBTOTAL (CAD)	$	507.88
R100938885 GST	$	25.39
TOTAL PAYABLE (CAD)	$	533.27

To: LA TIERRA RESOURCES LTD.
ATTN: D.R. (BUD) DAVIS
BOX 304- 211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

Please send payment info to accounting.canusa@alsglobal.com

COPY

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

PAID

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

ALS Minerals

To: LA TIERRA RESOURCES LTD.
BOX 304- 211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

INVOICE NUMBER 2341459

BILLING INFORMATION

Certificate:	WH11128716
Sample Type:	Rock
Account:	LATIRE
Date:	25-JUL-2011
Project:	Baz Project
P.O. No.:	
Quote:	
Terms:	Due on Receipt C3
Comments:	

QUANTITY	ANALYSED FOR CODE	DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	31.50	31.50
15	PREP-31	Crush, Split, Pulverize	7.10	106.50
10.43	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65	6.78
15	ME-MS41	51 anal. aqua regia ICPMS	18.55	278.25
15	GEO-AR01	Aqua regia digestion	3.50	52.50

SUBTOTAL (CAD)	$	475.53
R100938885 GST	$	23.78
TOTAL PAYABLE (CAD)	**$**	**499.31**

To: LA TIERRA RESOURCES LTD.
ATTN: D.R. (BUD) DAVIS
BOX 304- 211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

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Please Remit Payments To :
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2103 Dollarton Hwy
North Vancouver BC V7H 0A7

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LOCATION & ACCESS

The Baz exploration area is remote and has no useable road access. Fireweed Helicopters of Dawson City was used for access and camp support. The helicopter support was partially provided by Radius Gold Inc. out of their 60 Mile exploration base camp. Without the great logistical support provided by Radius Gold and exploration funding from YMIP, this 17 field day exploration trip would not have been possible. The distance from the Radius 60 Mile base camp to the Baz Project is approximately 75 kilometres.

Dawson Mining District, Quartz claim map sheet; NTS 115-N- 07

Map co-ordinates, approximate centre of the four (4) Baz quartz claims;

North Latitude 63 degrees, 20 minutes, 36.9 seconds
West Longitude 140 degrees, 42 minutes, 24.1 seconds

PERMITTING

All field work carried out during this 2011 exploration program was carried out under, Class I Quartz Act exploration criteria. No prior permitting was required.

Rice Creek – Recent Exploration History

The regional area around Rice Creek is under explored for both precious and base metals. A limited amount of documented exploration work has been carried out around some of the known mineral occurrences in the area, since the 1980's. The last few years have shown an increase in exploration interest for this area and an increase in quartz staking to the north, east and south.

The regional geological map upgrading program that was carried out in 2002 & 2003 by the Geological Survey of Canada, J.J. Ryan, S.P Gordey & associates have provided greater knowledge of this area's geological rock units, depositional settings and structural information.
Geological Survey of Canada – Open File # 4304
Yukon Geological Survey – Open File 2002-10 Stewart River Area NTS 115-N-7

2011 Exploration Work Program Summary

Prospector – D.R.(Bud) Davis
Field assistant – Jonathan Davis
Total field days … 17, or 34 man-days, June 9 through June 25

The field program began with mobilization from Whitehorse to Dawson City on June 7. June 8 was spent in Dawson obtaining supplies and organizing camp gear. On June 9 mobilization was carried out to the 60 Mile Base camp of Radius Gold Inc. The weather then started to go down with rain squalls and winds, further helicopter mobilization to the the Baz exploration camp on that day, was postponed.

June 10, after many rain delays and in the rain, Fireweed Helicopters was able to make two round trips from the 60 Mile base camp to Rice Creek. The pilot was unable to set us down in the desired locations, due to poor visibility, ruggedness and many dead falls from forest fires that burned through the area in 2005. A camp location was selected by Rice Creek, North Latitude 63 20' 34.2' West Longitude 140 41' 42.4" approximately 3 to 4 kilometres from the main area of prospecting interest. Also, due to weather and safety considerations, a helicopter supported second exploration target trip was not carried out.

Camp was established in heavy rains and these rains and winds continued nearly continuously for the next 15 days. Being 70 and a prospector for most of my adult life … this prospecting trip ranks as the worst one I can remember. Murphy's Law seemed to apply to all aspects of this trip and I estimate that we were only able to carry out some 25% of planned exploration traverses and sampling programs.

Work was concentrated along Ankle and Horn Creeks where, GSC Ryan & company's mapping suggested a geological contact (+/- faulted ?) between the Klondike schist's (south) and intrusive orthogneiss units (north) that meet along Ankle and/or Horn Creeks these creeks are right limit tributaries of Rice Creek. In this area, west of Rice Creek, no indications of previous exploration activity was observed during this field trip.

De-mobilization was carried out on June 25 with the assistance of Fireweed Helicopters through the 60 Mile base camp of Radius Gold. Four (4) hard rock quartz claims were located … Baz 1 – 4, along Ankle and Horn Creeks. A total of 32 samples were returned for multi-element analysis by ALS Minerals in Whitehorse.

Collected Samples

Sample Number	Type	Sample Locations Latitude and Longitude		Sample Descriptions
SS-1	Stream	63 20' 33.7"	140 41' 40.8"	Sample 30 cm into stream bed, Rice Ck. materials, sieved to – 40 mesh.
SS-2	Stream	63 20' 36.0"	140 42' 26.1"	Sample 20 cm into stream bed, Ankle Ck. materials, sieved to – 40 mesh.
R-1	Rock	63 20' 36.3"	140 42' 15.0"	float - fine to medium grained altered granodrite, magnetic
R-2	Rock	63 20' 34.3"	140 42' 04.1"	float - pegmatite granite
R-3	Rock	63 20' 37.6"	140 42' 32.3"	float -angular quartz, w/ minor pyrite
R-4	Rock	63 20' 37.4"	140 42' 20.5"	float - magnetic angular fine grain, grey to black igneous, w/minor pyrite.
R-5	Rock	63 20' 37.6"	140 42' 32.3"	float - fine grain grey igneous, w/minor pyrite, magnetic
R-6	Rock	63 20' 35.4"	140 42' 19.7"	float - fine to med. grained, silicified & cloritized altered schist w/ minor pyrite
R-7	Rock	63 20' 32.3"	140 41' 52.2"	schist float, silicified w/minor pyrite
R-8	Rock	63 20' 36.0"	140 42' 26.1"	bedrock - 3 to 4cm quartz vein in fine grain igneous unit, w/minor pyrite
R-9	Rock	63 20' 36.0"	140 42' 26.1"	bedrock - magnetic grey/black fine grained igneous rock, minor qtz veins .5 to 2 cm W
R-10	Rock	63 20' 36.0"	140 42' 26.1"	float - altered fine to med grained granodrite ? w/small qtz eyes, hematite
R-11	Rock	63 20' 35.8"	140 42' 12.5"	bedrock - fine to med. grained altered granodrite, magnetic w/minor pyrite
R-12	Rock	63 20' 42.6"	140 42' 06.2"	bedrock- igneous unit w/ 2 to 3cm quartz veining, minor pyrite
R-13	Rock	63 20' 42.6"	140 42' 06.2"	bedrock - igneous unit w/ 1 to 2cm quartz veining, minor pyrite
R-14	Rock	63 20' 37.8"	140 42' 03.0"	bedrock - slightly altered Klondike schist fine grain, < 2cm qtz veining, Fe staining, dip 50 deg. sw, strike nnw/sse
R-15	Rock	63 20' 37.8"	140 42' 03.0"	bedrock - slightly altered Klondike schist fine grain, 1-2cm qtz veining. Fe staining,

Soil samples collected with a Eijkelkamp, collapsible soil twist auger.

S-1	Soil	63 20' 36.3"	140 42' 15.0"	depth 40cm
S-2	Soil	63 20' 36.9"	140 42' 22.8"	depth 50cm, colluvium
S-3	Soil	63 20' 37.4"	140 42' 20.5"	depth 50cm, colluvium
S-4	Soil	63 20' 37.1"	140 42' 19.7"	depth 35cm
S-5	Soil	63 20' 36.8"	140 42' 16.5"	depth 35cm, colluvium
S-6	Soil	63 20' 35.8"	140 42' 12.5"	depth 25cm
S-7	Soil	63 20' 35.4"	140 42' 10.9"	depth 60cm, colluvium
S-8	Soil	63 20' 38.7"	140 42' 40.1"	depth 30cm
S-9	Soil	63 20' 38.3"	140 42' 38.2"	depth 25cm
S-10	Soil	63 20' 37.8"	140 42' 35.9"	depth 25cm
S-11	Soil	63 20' 37.7"	140 42' 35.6"	depth 45cm, colluvium
S-12	Soil	63 20' 37.6"	140 42' 32.3"	depth 50cm, colluvium
S-13	Soil	63 20' 37.6"	140 42' 28.2"	depth 30cm
S-14	Soil	63 20' 39.1"	140 42' 05.3"	depth 25cm, colluvium
S-15	Soil	63 20' 37.8"	140 42' 03.0"	depth 25cm, colluvium

D.R. (Bud) Davis
Prospector

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: LA TIERRA RESOURCES LTD.
BOX 304-211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

Finalized Date: 21-JUL-2011
This copy reported on 22-JUL-2011
Account: LATIRE

ALS Minerals

CERTIFICATE WH11128717

Project: Baz Project
P.O. No.:
This report is for 17 Stream Sediment samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2011.
The following have access to data associated with this certificate:

D.R. (BUD) DAVIS		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41L	51 anal. aqua regia ICPMS

To: LA TIERRA RESOURCES LTD.
ATTN: D.R. (BUD) DAVIS
BOX 304-211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: LA TIERRA RESOURCES LTD.
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Finalized Date: 21-JUL-2011
Account: LATIRE

Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128717

Sample Description	WEI-21 Recvd Wt. kg 0.02	ME-MS41L Au ppm 0.0002	ME-MS41L Ag ppm 0.002	ME-MS41L Al % 0.01	ME-MS41L As ppm 0.02	ME-MS41L B ppm 10	ME-MS41L Ba ppm 0.5	ME-MS41L Be ppm 0.05	ME-MS41L Bi ppm 0.01	ME-MS41L Ca % 0.01	ME-MS41L Cd ppm 0.01	ME-MS41L Ce ppm 0.02	ME-MS41L Co ppm 0.1	ME-MS41L Cr ppm 0.5	ME-MS41L Cs ppm 0.05
SS.1	0.86	0.0013	0.031	1.03	3.32	<10	62.1	0.19	0.10	0.44	0.07	15.85	7.6	14.3	0.35
SS.2	1.79	0.0015	0.062	2.61	4.28	<10	244	0.45	0.20	0.54	0.10	41.9	15.8	99.9	2.29
S-1	0.32	0.0062	0.298	3.91	5.08	<10	297	0.70	0.40	1.10	0.33	41.4	37.4	137.5	10.25
S-2	0.48	0.0034	0.180	3.09	6.71	<10	261	0.75	0.24	1.31	0.10	28.7	21.6	128.5	3.45
S-3	0.45	0.0090	0.338	6.05	6.43	<10	185.5	1.44	0.40	2.73	0.18	44.1	36.9	232	7.96
S-4	0.45	0.0050	0.204	4.31	5.15	<10	299	0.91	0.23	2.33	0.13	38.4	28.1	222	6.27
S-5	0.28	0.0048	0.181	4.28	3.06	<10	527	0.65	0.16	2.34	0.13	42.4	33.7	185.0	9.51
S-6	0.37	0.0015	0.124	2.50	8.46	<10	187.0	0.74	0.16	1.22	0.10	34.1	13.0	54.2	0.91
S-7	0.41	0.0063	0.222	2.17	4.79	<10	132.0	0.81	0.45	3.15	0.20	35.5	7.7	24.2	3.80
S-8	0.74	0.0023	0.090	1.85	6.95	<10	167.5	0.35	0.16	1.08	0.21	23.6	10.7	30.0	0.68
S-9	0.32	0.0021	0.112	1.80	7.46	<10	198.0	0.46	0.14	1.21	0.16	24.6	10.7	31.1	0.49
S-10	0.27	0.0034	0.221	3.33	6.98	<10	190.0	0.81	0.43	1.42	0.15	27.8	18.5	107.5	3.09
S-11	0.44	0.0033	0.235	2.64	6.70	<10	193.5	0.77	0.36	1.28	0.20	29.4	17.3	89.7	2.12
S-12	0.46	0.0038	0.219	3.00	7.15	<10	202	0.77	0.38	1.57	0.20	29.0	18.5	105.5	2.99
S-13	0.40	0.0036	0.175	2.80	7.16	<10	320	0.57	0.23	2.06	0.19	31.3	20.3	111.5	3.78
S-14	0.55	0.0026	0.095	3.26	9.85	<10	253	1.05	0.23	0.57	0.08	36.6	16.2	84.9	4.67
S-15	0.29	0.0011	0.109	2.01	5.60	<10	177.5	0.36	0.17	0.34	0.27	17.15	9.6	25.5	0.66

***** See Appendix Page for comments regarding this certificate *****

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To: LA TIERRA RESOURCES LTD.
BOX 304-211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

Finalized Date: 21-JUL-2011
Account: LATIRE

Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128717

Sample Description	Method	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01	0.05
SS.1		11.30	2.35	3.33	0.10	0.03	0.008	0.013	0.03	7.1	8.1	0.59	394	0.48	0.01	0.50
SS.2		20.7	3.53	8.62	0.12	0.08	0.084	0.025	0.25	20.3	19.3	1.39	610	1.07	0.04	3.02
S-1		81.9	7.12	16.15	0.24	0.10	0.016	0.040	0.97	21.5	28.8	3.32	690	1.75	0.07	2.32
S-2		60.9	3.72	10.35	0.10	0.14	0.034	0.029	0.34	16.3	20.4	1.56	438	1.46	0.09	3.42
S-3		121.0	6.09	17.65	0.20	0.13	0.019	0.039	0.71	22.7	36.8	2.83	588	4.29	0.24	4.28
S-4		86.2	4.87	15.05	0.20	0.14	0.026	0.035	0.64	19.7	29.5	2.93	606	1.38	0.14	5.40
S-5		63.6	6.09	18.20	0.26	0.09	0.015	0.044	1.53	21.8	32.6	3.91	679	0.87	0.11	4.85
S-6		30.0	3.22	7.72	0.13	0.21	0.025	0.026	0.18	16.0	14.3	0.89	384	0.94	0.08	2.30
S-7		33.7	3.08	8.33	0.12	0.10	0.022	0.022	0.28	19.6	17.0	1.12	431	0.57	0.05	4.06
S-8		28.5	2.87	4.97	0.12	0.11	0.025	0.020	0.10	10.8	10.5	0.71	450	0.88	0.06	1.33
S-9		33.4	2.86	5.24	0.11	0.13	0.026	0.023	0.09	11.5	11.3	0.71	504	0.86	0.06	1.42
S-10		52.3	4.10	10.25	0.12	0.16	0.029	0.031	0.24	14.5	18.2	1.37	440	1.55	0.11	3.65
S-11		66.2	3.50	8.18	0.13	0.17	0.030	0.025	0.18	14.0	17.2	1.06	407	1.14	0.08	2.92
S-12		66.6	3.66	9.19	0.14	0.19	0.029	0.028	0.24	15.0	20.2	1.22	504	1.58	0.09	3.19
S-13		66.6	3.85	9.26	0.17	0.25	0.034	0.030	0.45	16.2	18.4	1.70	534	0.96	0.09	3.35
S-14		34.1	3.91	10.05	0.10	0.34	0.030	0.036	0.10	17.2	23.8	1.17	405	1.08	0.04	1.12
S-15		11.70	2.84	6.53	0.08	0.10	0.015	0.025	0.09	7.2	10.5	0.38	386	1.25	0.02	1.47

***** See Appendix Page for comments regarding this certificate *****

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To: LA TIERRA RESOURCES LTD.
BOX 304-211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

Finalized Date: 21-JUL-2011
Account: LATIRE

Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128717

Sample Description	Method / Analyte / Units / LOR	ME-MS41L Ni ppm 0.1	ME-MS41L P % 0.001	ME-MS41L Pb ppm 0.01	ME-MS41L Rb ppm 0.1	ME-MS41L Re ppm 0.001	ME-MS41L S % 0.01	ME-MS41L Sb ppm 0.005	ME-MS41L Sc ppm 0.1	ME-MS41L Se ppm 0.1	ME-MS41L Sn ppm 0.2	ME-MS41L Sr ppm 0.2	ME-MS41L Ta ppm 0.01	ME-MS41L Te ppm 0.01	ME-MS41L Th ppm 0.1	ME-MS41L Ti % 0.001
SS.1		9.1	0.080	5.70	3.5	<0.001	0.02	0.148	3.0	0.4	0.4	28.7	<0.01	0.01	3.1	0.068
SS.2		21.1	0.077	12.35	25.2	<0.001	0.02	0.183	7.6	0.4	0.9	39.1	<0.01	0.02	9.2	0.185
S-1		47.2	0.073	44.7	137.0	<0.001	0.02	0.150	18.2	1.1	2.1	44.6	0.01	0.07	8.9	0.283
S-2		43.7	0.048	12.90	49.9	<0.001	0.05	0.340	11.2	0.9	1.0	63.7	<0.01	0.06	5.1	0.190
S-3		69.5	0.083	23.2	93.0	0.001	0.04	0.271	18.4	1.0	1.6	130.5	0.01	0.09	9.9	0.280
S-4		60.4	0.070	17.00	77.2	0.001	0.06	0.293	15.7	0.9	1.5	94.2	0.01	0.04	7.7	0.276
S-5		52.1	0.088	14.85	141.0	<0.001	0.03	0.156	21.1	0.8	2.6	60.8	<0.01	0.03	9.5	0.331
S-6		27.2	0.027	12.65	21.9	<0.001	0.06	0.364	7.9	0.9	0.8	52.8	<0.01	0.05	5.2	0.138
S-7		16.8	0.046	44.7	43.6	<0.001	0.03	0.221	4.3	0.8	1.7	75.7	0.01	0.03	16.9	0.115
S-8		22.5	0.077	8.37	9.6	<0.001	0.03	0.390	5.2	0.4	0.5	52.8	<0.01	0.02	2.7	0.129
S-9		24.3	0.071	7.54	8.6	0.001	0.03	0.442	5.3	0.9	0.5	63.6	<0.01	0.03	2.1	0.118
S-10		40.9	0.049	19.80	32.3	<0.001	0.04	0.307	13.3	0.7	1.2	90.6	<0.01	0.04	6.3	0.195
S-11		40.7	0.056	15.55	25.0	<0.001	0.04	0.426	9.4	1.2	0.9	72.8	<0.01	0.03	4.8	0.164
S-12		40.0	0.052	16.10	32.2	<0.001	0.05	0.407	10.2	1.4	0.9	76.6	<0.01	0.05	5.5	0.189
S-13		39.8	0.069	13.50	47.4	0.001	0.04	0.428	10.1	1.0	1.1	81.9	<0.01	0.05	6.5	0.205
S-14		36.0	0.029	17.30	16.0	<0.001	0.01	0.348	10.0	0.7	1.5	44.8	<0.01	0.04	6.1	0.145
S-15		15.7	0.025	13.50	10.0	<0.001	0.01	0.366	2.7	0.2	0.7	28.5	<0.01	0.04	2.5	0.091

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: LA TIERRA RESOURCES LTD.
BOX 304-211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

Finalized Date: 21-JUL-2011
Account: LATIRE

Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128717

Sample Description	Method	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.0001	0.05	0.1	0.5
SS.1		0.03	0.76	41	0.279	5.60	47.2	1.2
SS.2		0.22	2.17	85	0.394	6.42	79.0	2.6
S-1		1.21	2.82	128	0.336	10.40	138.0	3.1
S-2		0.55	3.12	93	0.671	10.10	74.4	5.0
S-3		1.05	4.17	140	0.581	13.00	100.5	4.2
S-4		0.85	5.44	130	0.342	11.80	99.4	5.3
S-5		1.31	1.58	136	0.426	11.80	117.5	3.3
S-6		0.11	0.75	75	0.275	10.60	54.0	6.8
S-7		0.31	2.80	42	0.711	11.25	72.9	3.7
S-8		0.08	0.63	70	0.328	7.72	61.8	3.6
S-9		0.06	0.80	68	0.257	8.96	63.2	4.2
S-10		0.27	1.80	98	0.546	9.08	75.8	5.4
S-11		0.17	2.33	80	0.373	11.70	68.9	6.3
S-12		0.26	4.11	90	0.459	11.00	74.6	6.1
S-13		0.43	1.53	93	0.383	11.05	78.3	7.7
S-14		0.15	1.09	92	0.212	11.70	69.6	10.8
S-15		0.10	0.38	66	0.134	2.45	59.4	3.0

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CERTIFICATE OF ANALYSIS WH11128717

Method	CERTIFICATE COMMENTS
ME-MS41L	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

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WHITEHORSE YT Y1A 2A1

Finalized Date: 25-JUL-2011
Account: LATIRE

CERTIFICATE WH11128716

Project: Baz Project
P.O. No.:
This report is for 15 Rock samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2011.
The following have access to data associated with this certificate:

D.R. (BUD) DAVIS		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41	51 anal. aqua regia ICPMS

To: LA TIERRA RESOURCES LTD.
ATTN: D.R. (BUD) DAVIS
BOX 304-211 ELLIOTT ST
WHITEHORSE YT Y1A 2A1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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Finalized Date: 25-JUL-2011
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Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128716

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
R-1		0.51	0.11	2.34	3.3	<0.2	<10	230	1.03	0.13	2.08	0.19	80.6	28.8	2	1.83
R-2		0.98	0.01	0.09	1.9	<0.2	<10	10	<0.05	0.14	0.06	0.02	1.35	0.7	9	0.26
R-3		0.65	0.04	1.26	8.0	<0.2	<10	100	2.56	0.42	0.77	0.10	91.2	6.5	22	1.17
R-4		0.28	0.04	2.45	3.1	<0.2	<10	260	0.69	0.18	2.15	0.10	91.8	28.7	2	1.38
R-5		1.09	0.03	2.44	1.8	<0.2	<10	270	0.71	0.12	2.11	0.15	89.9	29.4	1	1.36
R-6		0.80	0.12	2.05	2.5	<0.2	<10	300	0.86	0.49	1.25	0.36	46.4	15.2	149	6.47
R-7		0.24	0.23	0.99	3.4	<0.2	<10	120	0.45	0.64	0.24	0.08	34.0	4.4	6	1.58
R-8		0.78	0.06	2.78	1.4	<0.2	<10	230	0.49	0.17	1.09	0.05	21.6	12.9	188	1.63
R-9		0.84	0.13	2.28	1.9	<0.2	<10	150	0.50	0.26	1.16	0.16	42.0	14.4	155	1.77
R-10		0.27	0.04	0.79	3.9	<0.2	<10	230	1.75	0.11	0.08	0.05	77.0	3.5	5	1.09
R-11		0.81	0.04	2.24	1.1	<0.2	<10	80	0.54	0.04	1.84	0.15	70.9	25.4	1	0.60
R-12		0.47	0.13	3.49	3.3	<0.2	<10	460	0.95	0.20	1.65	0.25	33.4	18.0	126	3.67
R-13		1.04	0.03	0.38	1.3	<0.2	<10	20	<0.05	0.09	1.35	0.07	4.09	2.3	19	0.47
R-14		0.78	0.01	1.48	2.3	<0.2	<10	40	0.95	0.08	0.41	0.11	60.7	0.6	3	0.62
R-15		0.89	0.51	0.76	1.3	<0.2	<10	100	0.34	1.95	0.18	0.07	29.7	1.9	9	0.83

***** See Appendix Page for comments regarding this certificate *****

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To: LA TIERRA RESOURCES LTD.
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WHITEHORSE YT Y1A 2A1

Finalized Date: 25-JUL-2011
Account: LATIRE

Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128716

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
R-1		17.3	6.89	11.10	0.21	0.49	0.01	0.058	0.52	35.2	14.7	1.72	619	1.02	0.20	1.07
R-2		2.0	0.67	0.48	<0.05	<0.02	0.01	<0.005	0.03	0.8	0.7	0.03	88	0.25	<0.01	0.10
R-3		4.1	2.61	12.65	0.35	2.96	0.01	0.109	0.25	43.1	41.6	0.55	466	0.61	0.11	4.45
R-4		19.1	7.05	13.15	0.21	0.48	<0.01	0.044	0.40	39.0	16.1	1.67	507	1.70	0.19	0.98
R-5		18.9	6.89	13.55	0.23	0.45	<0.01	0.043	0.38	38.4	16.5	1.67	478	1.69	0.19	1.05
R-6		14.7	2.51	9.55	0.10	0.14	<0.01	0.024	1.14	24.0	11.1	1.72	429	0.34	0.16	0.56
R-7		7.0	1.90	6.29	0.11	0.05	0.01	0.008	0.22	19.2	7.8	0.40	281	0.57	0.10	0.44
R-8		11.7	2.69	8.67	0.15	0.05	<0.01	0.013	0.38	10.5	25.1	1.96	349	0.31	0.14	0.42
R-9		59.4	3.23	9.17	0.19	0.08	<0.01	0.017	0.42	20.8	21.2	1.64	380	0.23	0.17	0.46
R-10		2.1	2.40	7.93	0.16	1.89	<0.01	0.050	0.25	34.7	4.8	0.04	201	0.58	0.05	0.62
R-11		12.2	6.56	14.05	0.29	0.29	0.01	0.024	0.20	27.9	15.6	1.44	517	0.80	0.12	0.99
R-12		36.4	3.72	13.15	0.16	0.08	0.01	0.034	0.94	16.7	30.5	2.25	558	0.14	0.19	0.45
R-13		6.4	1.95	1.83	0.10	0.05	<0.01	0.093	0.05	1.9	1.6	0.26	354	0.34	0.02	0.57
R-14		1.9	3.54	12.40	0.24	0.38	<0.01	0.038	0.31	28.5	15.3	0.11	848	1.26	0.07	2.74
R-15		8.2	1.48	4.19	0.10	0.06	<0.01	0.008	0.24	16.3	6.0	0.28	161	0.23	0.07	1.03

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WHITEHORSE YT Y1A 2A1

Finalized Date: 25-JUL-2011
Account: LATIRE

Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128716

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005
R-1		9.7	3940	11.0	32.5	<0.001	0.05	0.35	6.7	1.4	1.4	121.0	0.01	0.02	3.3	0.388
R-2		1.1	120	1.1	2.8	<0.001	0.01	0.08	0.3	<0.2	<0.2	2.2	<0.01	0.01	0.3	<0.005
R-3		10.4	530	17.8	14.8	<0.001	<0.01	0.26	4.2	1.7	7.6	18.3	0.04	0.02	28.2	0.209
R-4		9.7	4000	8.5	19.2	<0.001	0.17	0.28	4.8	1.3	1.3	86.8	0.01	0.03	2.3	0.523
R-5		9.9	4010	8.1	19.2	<0.001	0.14	0.18	4.8	1.2	1.2	86.3	0.02	0.02	2.1	0.484
R-6		34.0	700	24.8	77.4	<0.001	0.05	0.28	9.7	0.6	1.5	106.0	0.01	0.02	9.7	0.274
R-7		6.4	250	27.2	23.3	<0.001	0.09	0.14	1.7	<0.2	0.7	42.3	<0.01	0.02	18.1	0.032
R-8		22.9	290	15.2	22.4	<0.001	0.01	0.15	9.0	<0.2	0.9	81.7	0.01	0.02	6.7	0.196
R-9		22.6	590	12.0	20.8	<0.001	0.13	0.17	9.4	0.4	1.1	88.9	0.01	0.02	9.6	0.252
R-10		1.8	120	23.3	16.4	<0.001	<0.01	0.13	1.6	0.7	0.7	12.1	0.01	<0.01	27.2	<0.005
R-11		7.6	3820	8.5	9.3	<0.001	0.02	0.08	3.0	1.5	0.9	57.9	0.01	0.01	2.7	0.442
R-12		25.3	860	22.3	61.3	<0.001	0.13	0.20	12.8	0.8	1.8	69.0	0.01	0.04	7.9	0.189
R-13		2.7	100	8.1	2.8	<0.001	0.01	0.14	1.2	<0.2	1.3	12.1	<0.01	0.01	0.8	0.040
R-14		0.8	310	14.2	10.1	<0.001	<0.01	0.39	6.3	0.4	1.3	22.5	0.01	<0.01	4.0	0.158
R-15		2.3	210	55.0	17.6	<0.001	<0.01	0.10	1.3	0.2	0.9	45.6	<0.01	0.04	14.0	0.040

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Finalized Date: 25-JUL-2011
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Project: Baz Project

CERTIFICATE OF ANALYSIS WH11128716

Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
R-1		0.24	0.54	183	0.14	32.0	132	16.5
R-2		0.02	0.20	2	0.41	0.82	6	<0.5
R-3		0.10	3.24	31	1.16	57.7	112	70.5
R-4		0.17	0.43	172	0.16	31.8	96	16.9
R-5		0.16	0.38	166	0.14	35.3	97	16.3
R-6		0.61	2.16	85	0.81	14.05	70	4.0
R-7		0.18	2.33	9	0.23	7.25	36	1.2
R-8		0.26	1.28	71	0.63	5.48	68	0.9
R-9		0.19	2.13	82	0.36	7.86	51	1.5
R-10		0.11	7.15	2	0.08	20.3	59	72.3
R-11		0.05	0.36	139	0.15	25.3	111	12.2
R-12		0.42	1.73	93	0.67	9.15	82	1.8
R-13		<0.02	0.31	12	0.75	1.95	18	0.7
R-14		0.09	1.41	1	0.79	8.71	75	14.5
R-15		0.10	0.94	9	0.26	5.84	32	1.4

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Finalized Date: 25-JUL-2011
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CERTIFICATE OF ANALYSIS WH11128716

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

Yukon
Energy, Mines and Resources

Claim Status Report

12 January 2012

Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s
P Baz 1 - 4	YE63001 - YE63004	2012/07/04	La Tierra Resources Ltd.	100.00	115N07

Criteria(s) used for search:

CLAIM DISTRICT: 1000002 CLAIM NAME: BAZ CLAIM STATUS: ACTIVE & PENDING REGULATION TYPE: QUARTZ

Total claims selected : 4

Left column indicator legend:

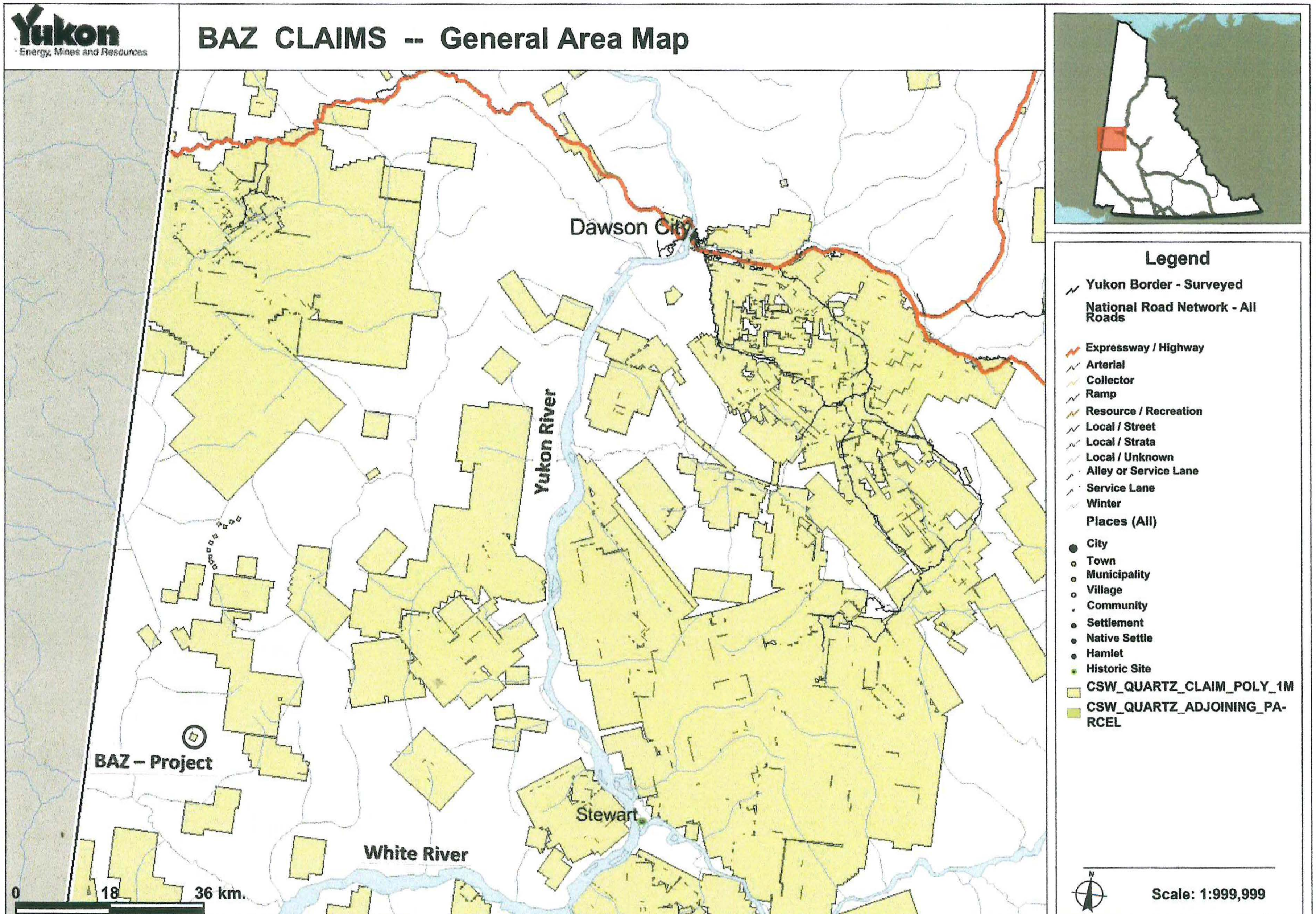
R - Indicates the claim is on one or more pending renewal(s).
P - Indicates the claim is pending.

Right column indicator legend:

L - Indicates the Quartz Lease.
F - Indicates Full Quartz fraction (25+ acres)
P - Indicates Partial Quartz fraction (<25 acres)

D - Indicates Placer Discovery
C - Indicates Placer Codiscovery
B - Indicates Placer Fraction

BAZ CLAIMS -- General Area Map

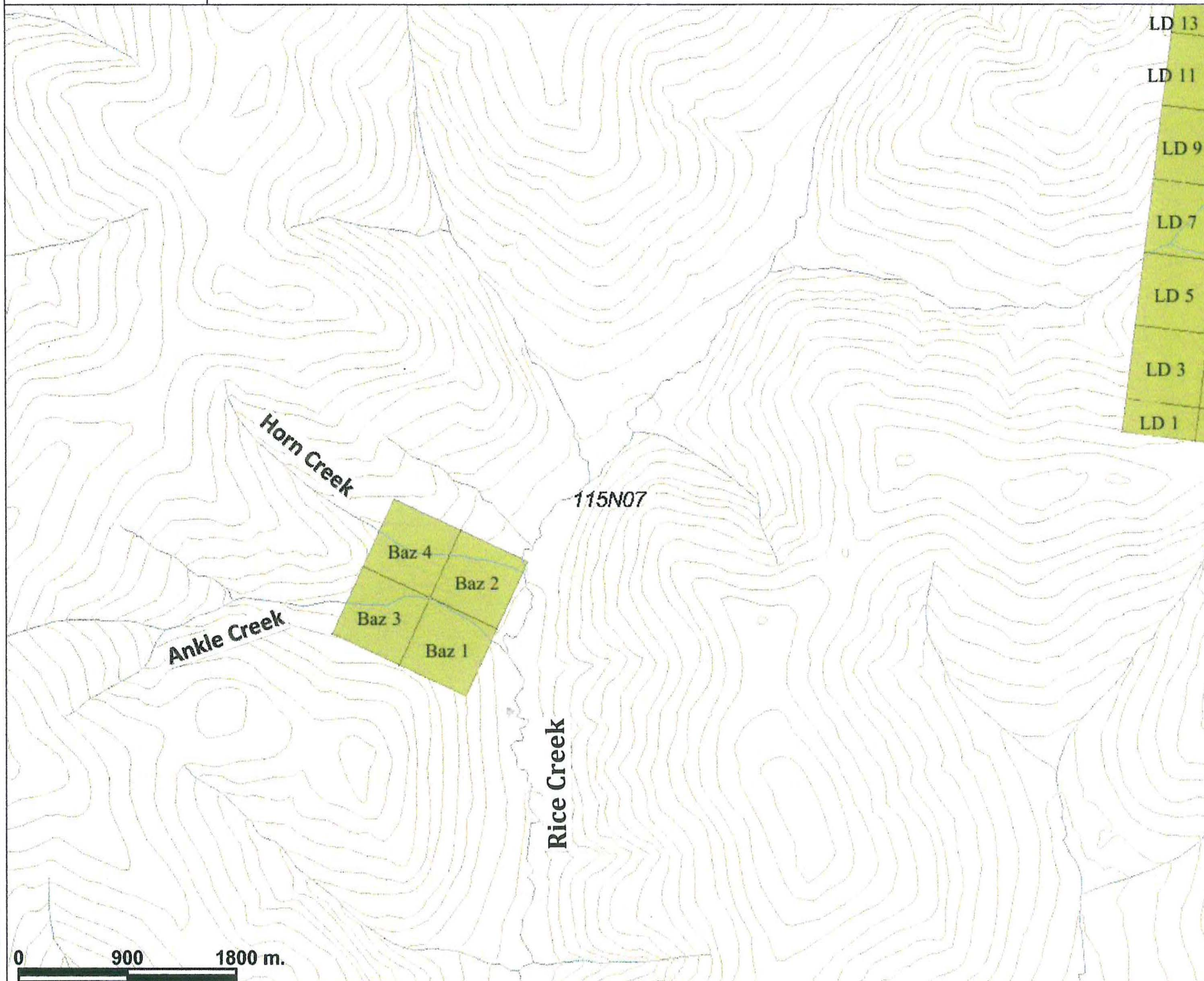


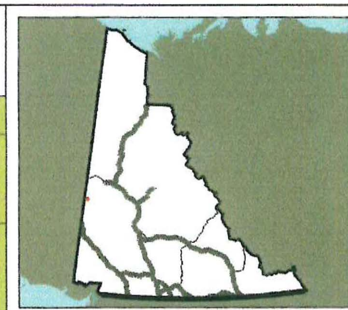
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Date Printed: 11-Jan-2012 10:31:15 AM

Yukon
Energy, Mines and Resources

BAZ 1 - 4 Quartz Claims





Legend

- Yukon Border - Surveyed
- National Road Network - All Roads
  - Expressway / Highway
  - Arterial
  - Collector
  - Ramp
  - Resource / Recreation
  - Local / Street
  - Local / Strata
  - Local / Unknown
  - Alley or Service Lane
  - Service Lane
  - Winter
- Waterbodies (50k)
  - Dry river bed
  - Navigable canal
  - Sand
  - Water disturbance
  - Waterbody
  - Waterbody
- Places (All)
  - City
  - Town
  - Municipality
  - Village
  - Community
  - Settlement
  - Native Settle
  - Hamlet
  - Historic Site
- CSW_QUARTZ_ADJOINING_PA-RCEL
- CSW_QUARTZ_CLAIM

N

Scale: 1:50,000

NORTH

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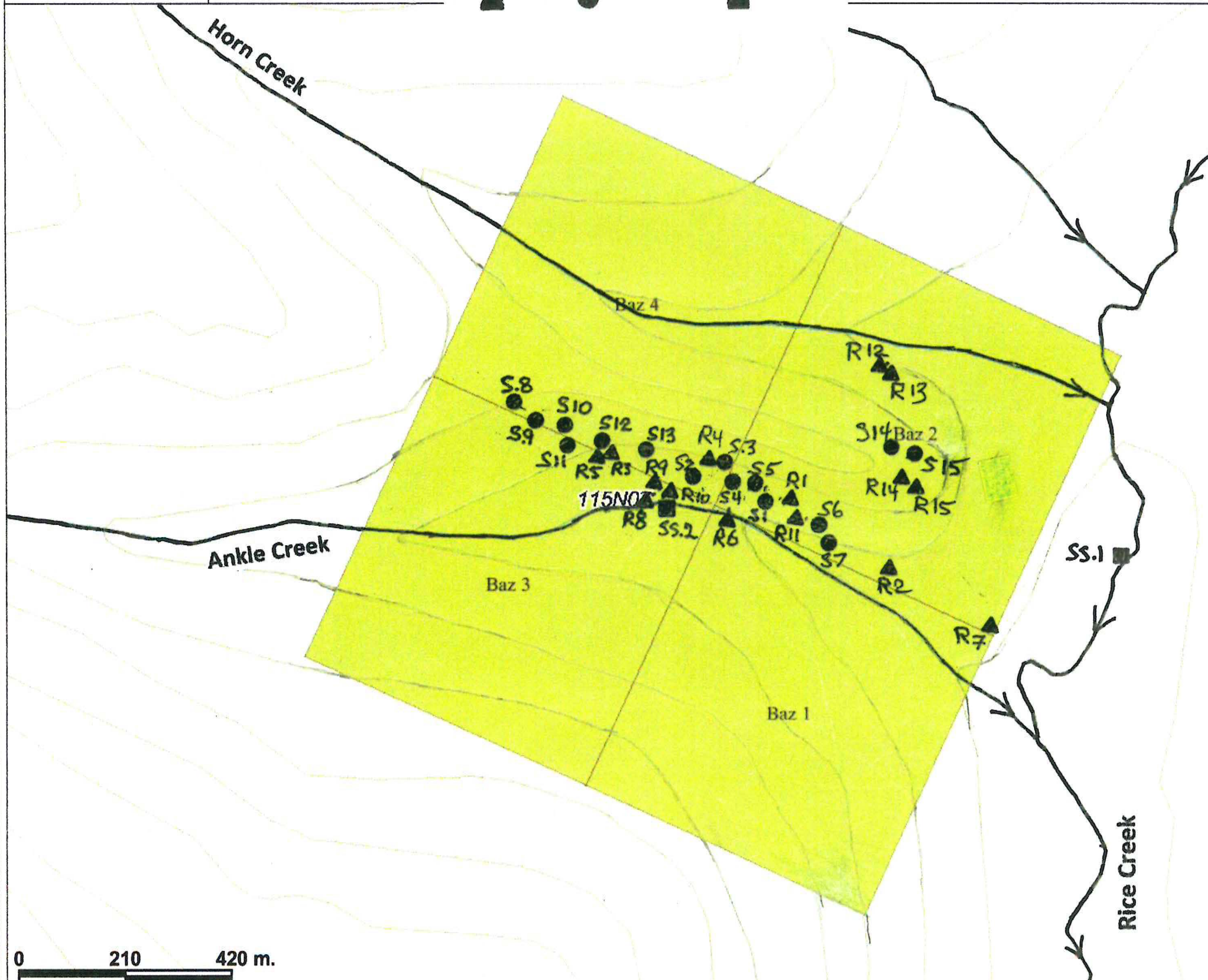
Date Printed: 11-Jan-2012 10:35:53 AM

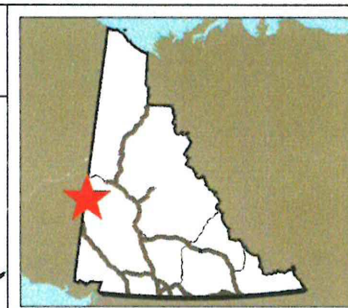
NTS 115-N-07

Yukon
Energy, Mines and Resources

Baz Claims - Rock, Soil & Stream Sed. Sample Locations

▲ ● ■





Legend

- Yukon Border - Surveyed
- National Road Network - All Roads
- Expressway / Highway
- Arterial
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Waterbodies (50k)

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- Native Settle
- Hamlet
- Historic Site
- CSW_QUARTZ_ADJOINING_PARCEL

CSW_QUARTZ_CLAIM

Scale: 1:12,000

NORTH

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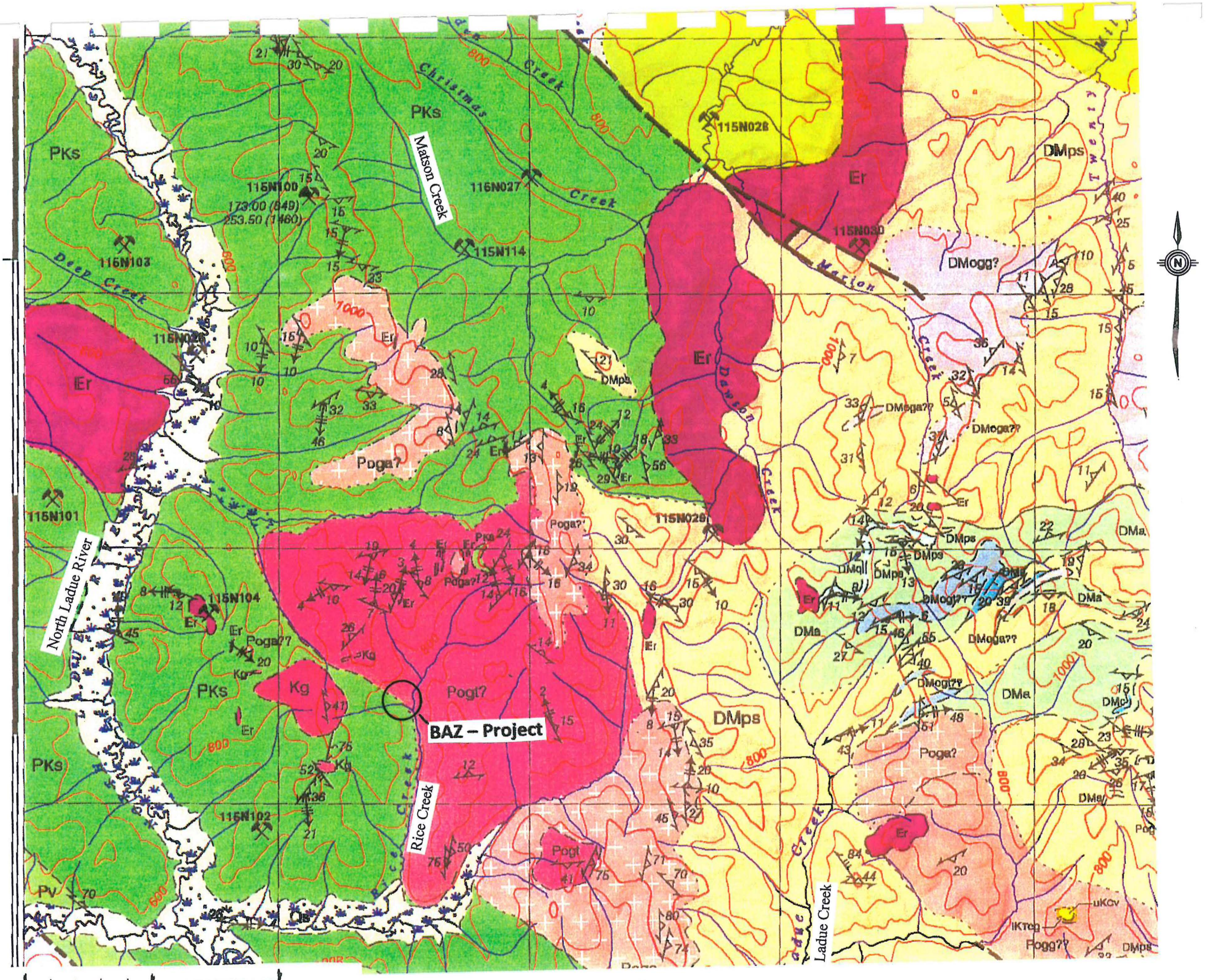

SCALE 0 5 10 Kilometres

NTS 115-N-7 & 8

LEGEND

CENOZOIC

QUATERNARY

Qs	*Fluvial silt, sand and gravel*
Qb	*Basalt*

NORTHEAST OF TINTINA FAULT

CENOZOIC

TERTIARY

Ts	*Conglomerate, sandstone, shale*

PALEOZOIC

DEVONIAN TO MISSISSIPPIAN?

DME	*EARN GROUP?: well bedded, black, grey and brown argillite, brown sandstone and pebble conglomerate*

SOUTHWEST OF TINTINA FAULT

CENOZOIC

TERTIARY

EOCENE

Er	*PORPHYRY: Smokey quartz and K-feldspar phyric rhyolite to rhyodacite stocks and dykes, and possible rare flows*

MESOZOIC

CRETACEOUS

UPPER CRETACEOUS

uKcv	*CARMACKS GROUP: rhyodacite and dacite, commonly biotite and hornblende phyric, dominated by lesser andesite and basalt; minor rhyolite*

MID?-CRETACEOUS

Kg / Kgd	*GRANITE/GRANODIORITE: Kg, pink to grey, locally porphyritic syenogranite to monzogranite plutons and dykes; Kgd, biotite-hornblende bearing granodiorite, locally foliated*

LOWER CRETACEOUS

lKTcg	*TANTALUS(?) FORMATION: clast-supported pebble to cobble conglomerate with clasts of vein quartz and foliated quartzite*

JURASSIC

EARLY JURASSIC

EJgd	*GRANODIORITE: chlorite-altered hornblende and biotite-bearing granodiorite, monzogranite, quartz monzonite and quartz monzodiorite*

DESCRIPTIVE NOTES

INTRODUCTION

Access into the heart of the Stewart River area is afforded by boat along the Yukon and Stewart rivers and by truck on placer mining roads, many of which extend south from Dawson. Fieldwork in 2000-2003 included foot traverses from small camps mobilized along these routes and from helicopter or fixed-wing supported camps in more remote areas. All-terrain vehicles were used on placer mining access roads along Thistle, Kirkman, Henderson, Black Hills and Maisy Mae creeks and the Sixty Mile River. Helicopter spot checks were used to fill in widely separated outcrops in the southwest part of the map area where foot traverses or fly camps were impractical. Bedrock mapping is hampered by a deep (~1 m) soil veneer, thick gravel, and loess deposits in valley bottoms, and by dense cover of forest, moss, and lichen. Contacts between rock units are generally not exposed. Mapping was initiated as part of the Ancient Pacific Margin NATMAP project, whose aim was to understand the composition, relationships, and metallogeny of poorly understood pericratonic terranes lying between the ancestral North American margin and those known with more certainty to be tectonically accreted (Fig. 1). Concurrent surficial geological studies focused on the Quaternary history and setting of the numerous placer gold deposits in the region (e.g. Jackson et al., 2001, 2002; Rotheisler et al., 2003).

GEOLOGICAL FRAMEWORK

The Stewart River area is dominantly underlain by twice-transposed, amphibolite-facies gneiss and schist of mostly(?) Paleozoic age (Fig. 1, Yukon-Tanana terrane). These are intruded by younger plutonic or hypabyssal rocks (Late Triassic?, Jurassic, Cretaceous and Eocene; LTRum, EJgd, Kg, Kgd, Er) and overlain by Upper Cretaceous volcanic rocks (uKcv), local Lower Cretaceous conglomerate (lKTcg) and rare Quaternary basalt (Qb). Scattered outcrops of unmetamorphosed Paleozoic strata of the ancestral North American margin (DME) are juxtaposed across Tintina Fault to the northeast. Tertiary fluvial sediments (Ts) accumulated near the fault in pull-apart grabens. The reader is directed to Ryan and Gordey (2001a, b; 2002a, b; 2004), Gordey and Ryan (2003) and Ryan et al. (2003) for a more comprehensive description of the geology.

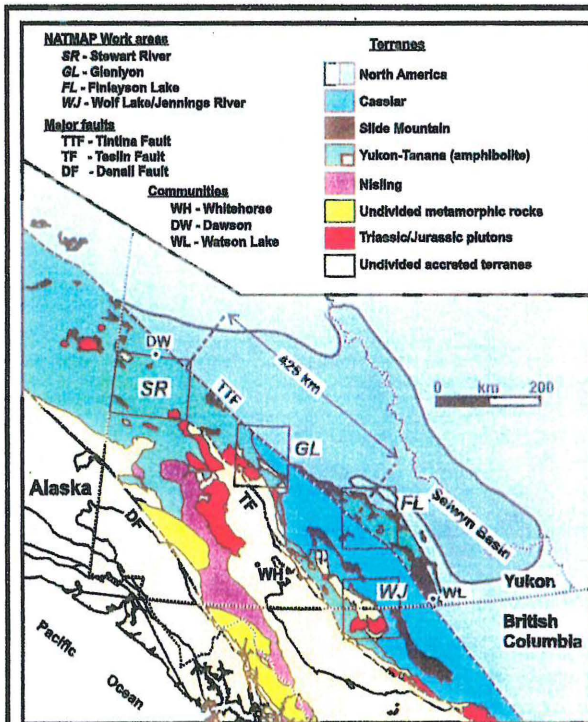

Fig. 1 Tectonic elements of the northern Cordillera

Metasiliciclastic rocks are widespread, and dominated by psammite and quartzite, with lesser pelites and rare conglomerate (DMq, DMcg, DMps). These were thought to be as old as late Proterozoic (e.g. Tempelman-Kluit, 1974); however, preliminary detrital zircon geochronology and geochronology for plutonic rocks suggest a middle Paleozoic age (M. Villeneuve, in prep.). Intermediate to mafic composition amphibolite (DMa, DMm) interdigitates with, and lies stratigraphically above, the siliciclastic rocks. Although intensely tectonized, heterogeneous compositional layering and local vestiges of primary textures in the amphibolite, such as breccia clasts and pillow selvages, indicate derivation from volcanic and volcaniclastic rocks. Marble horizons (DMc) occur within the amphibolite, as well as the siliciclastic rocks. In turn, dark carbonaceous quartzite, metapelite and minor marble of the Nasina assemblage (DMNq, DMNl), markedly sparse in volcanic-derived material, lies structurally above and/or may be partly equivalent to the aforementioned metaclastic rocks. Abundant orthogneiss bodies with diorite, tonalite, granodiorite, monzogranite and granite protoliths, intrude the above assemblages. Some are Devono-Mississippian in age (DMogg, DMoga, DMogt), whereas others (Pogg, Pogq, Poga, Pogt) are known to be Permian. For many others, the age is probably one of these, yet remains undetermined (designated by "?" meaning "likely", or "??" meaning "possibly", on map). The origins of ultramafic and gabbroic bodies are diverse. Some are sheet-like and allochtohonous (e.g. CD near 64°N), whereas others occur as narrow bodies (mPum, mPums) along unit contacts (faults?). The degree of allochthoneity of gently dipping ultramafics that straddle the Yukon and White rivers (mPum, mPums, at about 63° 5' N) remains unclear. At other localities, ultramafic boudins enclosed by other lithologies are common and originated as pre-tectonic dykes or sills. The large body of fresh pyroxenite that underlies Pyroxene Mountain (633995E, 6990795N) is possibly a Late Triassic intrusion (LTRum) although a Permian age is also permitted by geochronological data (M. Villeneuve, in prep.). Small gabbro bodies (PMd) are variably foliated and of uncertain age.

An extensive area of Permian, low to medium grade muscovite-quartz and chlorite-quartz schist (PKs) in the western part of the map area, correlated by Tempelman-Kluit (1974) with the Klondike Schist (McConnell, 1905) as mapped in the Dawson area (Mortensen, 1996) is derived from a combination of volcanic, volcaniclastic and plutonic rocks. Southeast of the White River this succession may lie beneath a low-angle fault. To the northwest, contact relationships are uncertain. East of Ladue River these rocks are overlain by relatively unstrained, chlorite-altered intermediate to mafic volcanics (Pv), of unknown but possibly Permian(?) age.

TRIASSIC

LATE TRIASSIC

lTRum — *PYROXENE MOUNTAIN BODY: medium to coarse-grained, massive, equigranular pyroxenite; minor hornblendite*

PALEOZOIC AND/OR MESOZOIC

PMd — *GABBRO: foliated to unfoliated metagabbro (locally garnet-bearing); diabase, metabasite*

CARBONIFEROUS

CD — *DAWSON-CLINTON CREEK ASSEMBLAGE: greenstone, serpentinite, harzburgite*

MID(?)- TO LATE PALEOZOIC

mPum, mPums — *ULTRAMAFIC-GABBRO: foliated to unfoliated amphibolite facies metagabbro, metapyroxenite, serpentinite and talc-siderite schist; m Pums, dominantly serpentinite*

PERMIAN

Pv — *FOLIATED VOLCANIC: chlorite-altered weakly foliated intermediate to mafic aphanitic volcanic flows and tuffs, locally with clastic textures preserved*

PKs — *KLONDIKE SCHIST: muscovite-chlorite-quartz-feldspar schist, chlorite schist, chlorite phyllonite; local cleaved lapilli tuff with preserved primary texture, probably derived from* Pv

Pg — *JIM CREEK PLUTON (circa 252.4 Ma): granite to quartz monzonite, coarse grained, biotite-bearing, commonly K-feldspar megacrystic; lacks superposed structural fabric as seen in* Pog *(and* DMog*)*

Pogg, Pogq, Poga, Pogt — *ORTHOGNEISS (YOUNGER, 264-259 Ma):* Pog*, undivided orthogneiss;* Pogg*, pink to orange K-feldspar rich, granitic orthogneiss, commonly includes or associated with* Poga; Poga*, mainly K-feldspar augen orthogneiss, exhibits various states of strain including porphyroclastic straight gneiss, commonly includes or associated with* Pogg; Pogt*, rare, mainly tonalitic orthogneiss;* Pogq*, orthogneiss derived from quartz monzonite; refers to highly strained, mafic poor, Sulphur Creek orthogneiss; ?-age assignment probable, ??-age assignment assumed (alternatively could be part of* DMog*).*

DEVONIAN TO MISSISSIPPIAN

DMNq, DMNl — *NASINA ASSEMBLAGE:* DMNq*, fine-grained, dark-grey to black carbonaceous quartzite and metapelite;* DMNl*, marble*

DMogg, DMoga, DMogt — *ORTHOGNEISS (OLDER, 363-343 Ma):* DMog*, undivided orthogneiss;* DMogg*, pink to orange K-feldspar rich, granitic orthogneiss, commonly with biotite, banded to layered, commonly includes or associated with* DMoga; DMoga*, mainly K-feldspar augen orthogneiss, commonly includes or associated with* DMogg; DMogt*, mainly tonalitic or intermediate to mafic orthogneiss, generally grey, banded to layered, commonly veined; commonly interlayered with amphibolite schist and gneiss, biotite and/or hornblende bearing; ?-age assignment probable, ??-age assignment assumed (alternatively could be part of* Pog*)*

PALEOZOIC

STRUCTURE

The Paleozoic rocks in the field area exhibit a regional foliation (ST), characterized by high-strain transposition of layering in the gneiss and schist, with abundant intrafolial isoclinal folds that are commonly rootless. The intensity of strain within the regional foliation locally grades to mylonite. Primary compositional layering (S0) in metasedimentary rocks and a pre-existing foliation (S1) can be traced around closures of the transposition folds, indicating that they are at least F2 structures (Fig. 2). F2 deformation appears to accompany the regional metamorphism, and preliminary geochronological results indicate that this happened during the mid-Permian (M. Villeneuve, in prep). The F2 folds are generally recumbent to shallowly inclined, close to isoclinal, long-wavelength structures. They commonly lack an axial planar foliation, and their axes parallel a regional extension lineation (L2). This relationship helps distinguish F2 and F3 folds, which can have very similar style. The latter are open, moderately inclined (but varying from shallow to steep), shallowly plunging structures, that have weak axial-planar fabric where developed in schistose layers, and have no associated extension lineation. The map area is also affected by faults of varying significance. Most of these could not be observed directly, but are interpreted from changes in rock type and/or structural grain; some are also well delineated by prominent physiographic and aeromagnetic lineaments. Locally, fault breccia and slickensides provide direct evidence of fault contacts.

TECTONIC SYNOPSIS

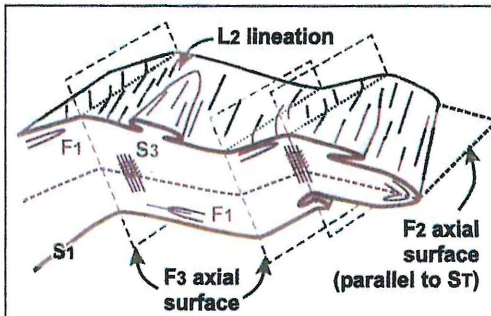

Fig. 2 Structural fabric elements

In summary, the extensive metaplutonic and metavolcanic rocks of the Stewart River area represent two periods of volcanic arc activity. An older arc, built upon a siliciclastic foundation (DMq, DMcg, DMps; DMNq?, DMNl?), largely comprises Devono-Mississippian amphibolite (DMa) associated with coeval widespread tonalitic orthogneiss (DMogg, DMoga, DMogt) that formed its subvolcanic intrusive complex. A Permian arc, built upon the previous, is represented by granitic orthogneiss (Pogg, Pogq, Poga, Pogt) and coeval metavolcanics (PKs and possibly Pv). Most rocks were deformed and metamorphosed in the mid-Permian, the Klondike Schist to greenschist grade and most of the remainder to amphibolite facies. The age of the undeformed Jim Creek pluton (Pg) at 252.4 Ma that cross-cuts the Nasina Assemblage (DMNq) provides an apparent younger age limit to Paleozoic deformation (age locality nos 1468, 1469; J.K. Mortensen in Breitsprecher et al, 2004). Episodic arc activity in the Jurassic (EJgd) and Cretaceous (Kg, Kgd) further built upon the deformed Paleozoic substrate.

Rapid regional uplift in the Early Jurassic is indicated by widespread concordance of Ar/Ar mineral ages both in the Stewart River area (Villeneuve, in prep) and Alaska (Dusel-Bacon et al, 2002). Extensive rapid outpouring of shoshonitic basalt and dacite of the Carmacks Group (uKCv) in the Late Cretaceous may be mantle plume-related (e.g as described in Johnston et al, 1996). Finally, Eocene rhyolitic lavas (Er) resulted from tension or transtension that also led to dextral offset along Tintina fault (Fig. 1) displacing the Stewart River area 425 km from the Finlayson Lake area, to which it originally lay adjacent.

The above summary, particularly for the Paleozoic, inherently assumes depositional or intrusive contacts between rock units that is difficult to test given exposure in the Stewart River area. In the Dawson area Mortensen (1988, 1990, 1996) has mapped faults involving relatively unmetamorphosed Triassic strata which indicate Mesozoic, large-scale thrust imbrication between elements of Yukon-Tanana terrane. For example, both the Nasina and Klondike Schist assemblages are interpreted as bounded by faults which trend into the northern Stewart River area (Mortensen, 1996). Similarly, Permian relatively unmetamorphosed volcanic and ultramafic rocks near Dawson (CD)are interpreted as thrust bounded slivers of ophiolite, in places juxtaposed above Nasina assemblage. The implications of these relations (faults shown as red on this map) for the rest of Stewart River area will be re-evaluated as geochronological and pressure-temperature data are acquired.

ECONOMIC GEOLOGY

One of the more significant findings is that parts of the area are dominated by a mid-Paleozoic volcano-plutonic arc(?) complex with implied potential for VMS type mineralization. In the Finlayson Lake area (Fig. 1), correlative mid-Paleozoic strata host massive sulphide mineralization in both felsic (e.g., Kudz Ze Kayah and Wolverine Lake deposits; Murphy (1998, and references therein), Piercey et al, 2001) and mafic (Fyre Lake deposit; Foreman (1998)) metavolcanic sequences. Although abundant in mafic metavolcanics, the Stewart River area is unfortunately lacking in felsic counterparts. It should be noted that primary geochemical (e.g., alteration), structural and lithological signatures may be strongly modified by the amphibolite facies metamorphism and high state of strain in the Stewart River area.

The Lucky Joe occurrence was explored in 2003 by Kennecott Exploration and is currently being drilled (summer 2005). Two large strong parallel geochemical trends defined by high soil values of Cu and Au, with associated Mo and Ag, have been identified (press release: www.copper-ridge.com). The origin of the occurrence is obscured by complex structure and metamorphism. Cu-Au porphyry, Fe-oxide Cu-Au, or sediment-hosted Cu deposit models have all been suggested. A Mississippian (circa 350 Ma) rhenium-osmium age from molybenite coincident with a zircon age (Villeneuve, in prep.) from nearby metaplutonic rocks supports the first possibility. The Lucky Joe represents a new type of potentially large occurrence within Yukon-Tanana terrane.

In Yukon and Alaska, mid-Cretaceous (105-90 Ma) and Late Cretaceous (70-65 Ma) plutons and their country rock are prospective targets for intrusion-related gold deposits (e.g., Hart et al., 2000), in the Stewart River area typified by auriferous gold veins in the Moosehorn Range (Yukon Minfile 115N024, Moosehorn/Longline property). Other, undeformed granite-syenite stocks, such as near Mt. Stewart (Kg), possibly of Cretaceous or Tertiary age, could be prospective. Although perhaps of less significance, Early Jurassic plutons (EJgd) are known to host Au ±Cu rich shear zones, stockworks and skarns in Alaska (Newberry, 2000) as well as central Yukon (e.g. Minto deposit, Tafti and Mortensen, 2004). Other plutonic bodies show evidence of significant strain, are all pre-Early Jurassic (Paleozoic) in age, and regionally unproductive. The source of gold leading to significant placer deposits in many drainages (e.g. Thistle, Kirkman, Barker, Scroggie, Black Hills, Maisy Mae and Henderson creeks) remains enigmatic. For example, Dumula and Mortensen (2002) suggest undiscovered intrusion-related gold as a placer source within the Thistle basin on the basis of placer gold composition. However, Mesozoic plutonic rocks are rare within this drainage. They also indicate that as yet undiscovered sources for placer gold in the Eureka Dome (608693E. 7046842N) or Henderson Dome (597651E, 7040596N) area are of epithermal origin. Rotheisler et al suggest two separate, as yet unidentified lode gold occurrences sourced placer deposits in the Scroggie Creek basin.

DMogta	*Undivided DMogt (ORTHOGNEISS (OLDER)) and DMa (AMPHIBOLITE)*
DMa	*AMPHIBOLITE: amphibolite schist and gneiss; metabasite; probably derived from mafic to intermediate volcanic or volcaniclastic rocks; locally associated with psammite or interlayered with orthogneiss*
DMm	*MAFIC SCHIST: biotite-hornblende+/-plagioclase+/-quartz metabasite?; generally associated with amphibolite; main locality on Thistle Mountain*
DMc	*MARBLE: marble (metacarbonate) derived from pure to impure limestone; associated calc-silicate schist derived from calcareous metapelite*
DMps	*QUARTZ-MICA SCHIST: undivided metasedimentary rocks dominated by metapsammite, semipelite and metapelite; commonly quartz-garnet-biotite-muscovite schist possibly derived from siliceous siltstone; commonly finely interlayered with garnet metapelite; commonly contains members of micaceous quartzite; rare conglomerate; grades locally to paragneiss*
DMcg	*METACONGLOMERATE: pebble- to cobble-sized rounded clasts; mainly massive white vein quartz, but including some granitoid clasts (tonalite?); has an arkosic matrix; grades into quartzite; matrix supported*
DMq	*QUARTZITE: banded to massive, grey to white quartzite; apparently clastic in origin, or in part, possibly derived from metachert*

NOTE: Relative ages of many units are unknown; superimposed hillshade may darken colours on map from those shown on legend above

SYMBOLS

Geological contact (defined, approximate, assumed)

Fault, sense of movement uncertain (defined, approximate, assumed)

Limit of mapping

Transposition foliation (ST) 10

Foliation (S2,S3) 12 12

Mineral (elongation) lineation (L2) 23

Minor fold axis (F1, u-fold) 19

Minor fold axis (F2, u-fold, z-fold, s-fold) 28 28 28

Minor fold axis (F3, u-fold, s-fold) 18 18

Minor fold axial plane (F2, F3) 44 44

Station (observation point without structural data) × or ×

Mineral Prospect (Yukon Minfile number (de Klerk, 2002); commodities, if known) 115O999 Ag, Cu

COMPILATION NOTES

Incorporation of previous work (Tempelman-Kluit (1972), Mortensen (1996), Bostock (1942)) was relatively straight forward. Most contacts could be matched and rock units re-assigned to the legend used for this open file. An exception is in northern Stewart River area where a subunit of the Klondike Schist of Mortensen (1996, unit Psq) is re-assigned to unit DMps on the present map. There is little doubt that the schist and quartzite of unit DMps trend into and are in part, or largely, correlative. The nature of contacts in northern Stewart River area remain as depicted by Mortensen (1996), with the exception of the augen orthogneiss of Mount Burnham (634336E, 7065638N) for which our preference is an intrusive rather than low-angle, normal-fault boundary.

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