

RePort of 2007 Field activities Ymip GRANT # 07-003

Prepared By JAMES Woods

# Report of 2007 Field Activities Funded under YMIP Grant #07-003

~'.

Prepared by

**James Woods** 

### **PO Box 553**

Faro, Yukon

## YOB 1K0

09 January, 200%

# **Table of Contents**

•

•

Introdu	ction	Page
Area 1	Beaver Creek	3
Area 2	South Campbell Highway – Little Salmon Lake	3
Area 3	South Campbell Highway – Eleanor Lake	3
	Area location and access	4
	Previous work and exploration	4
	Regional and general geology	4
	Description and summary of work	5
	Analysis and results	5
	Conclusions and recommendations	6

### List of Figures

Figure 1 SCH – Eleanor Lake – Project location map	7
Figure 2 SCH – Eleanor Lake – Regional geology	8
Figure 3 SCH – Eleanor Lake – Geology and sample locations	9

### List of Appendices

Appendix A – Summary of prospecting activities and field notes	13
Appendix B – Rock sample reports	18
Appendix C – Certificate of analysis	26

### Introduction

This report summarizes the prospecting funded under grant #07-003 of the Yukon Mineral Incentives Program (YMIP). A detailed summary of 2007 field activities and copies of field notes are included as Appendix A.

The South Campbell Highway – Eleanor Lake project area, km 410, on the Campbell Highway is discussed in detail.

### Area 1 – Beaver Creek

### **Project Summary**

No exploration was completed in this are during the course of the 2007 field season as the result of time constraints due to private matters. This target area (idea) is still viable and reconnaissance work is considered for the 2008 field program.

### Area 2 – South Campbell Highway – Little Salmon Lake

#### **Project Summary**

No exploration was completed in this are during the course of the 2007 field season as the result of high water denying access. This target area is very viable and reconnaissance work is considered for the 2008 field program as per a field find in Dec 2007, while clearing a trail for a trapper.

### <u>Area 3 - South Campbell Highway – Elenor Lake</u>

### **Project Summary**

The Eleanor Lake project is a sedimentary basin that has been faulted with many hydrothermal systems that have been metamorphosed.

### Area's Location and Access

The project is located at km 410 marker on the Campbell Highway on the south side of the road, located 14kms from the Town of Faro. The area is in the Whitehorse Mining District and is in Claim Sheet Map 105k03.

Access to the work area is via Campbell Highway at mile marker 410. The access road is by 4x4 (jacked) trucks for approximately 10kms with creek and swamp crossings. Then approximately 5kms on 4x4 quads to the prospecting area.

### Previous Work and Exploration Activity

Historically the area was prospected by drill and geochem surveys from 1971 to 1979, with a gravity survey done in 1980. Airborne geophysics, ground EMS and mag surveys, trenching and more drilling was performed between 1987 and 1993. Signs of mineralization concordant with foliation were noted in outcrops and in sections of mineralized vien-breccia and bleached schist in drilling.

Veins in the area have assayed up to 4328gt AG, 57.72% PB, 14.7% ZN, .86% CU and 270 ppm HG. Also heavy mineral concentrates reported to have assayed 27.4 gt RH and 38.4 gt AU.

### **Regional and General Geology**

Located in the ST. Cyr range, on the Cassiar Platform, an area poorly understood, fine clastic and carbonate assemblage, with only general similarities to equivalent strata elsewhere in Cassiar Mountains; overlain by strata typical of Earn, Tay and Jones Lake assemblages elsewhere.

<u>CDS 1</u> Orange to brown weathering, recessive, medium grey interlaminated calcareous shale and silty limestone or calcareous siltstone; proportion of carbonate to clastic material varies widely; includes slaty and phyllitic equivalents (Cambro-Ordovician?)

: <u>CDS 3</u> Black, recessive weathering, calcareous graphitic "sooty" slate and silty . shale; includes thin beds of dark grey graphitic, very fine grained quartzite and black "sooty" crinoidal limestone (Ordovician and Silurian?)

<u>CDS 5</u> Orange to dark blue-grey phyllite and thinly laminated phyllitic limestone; . minor laminated siltstone, green slate, and rare chert; platy, fetid limestone, locally crinoidal; minor shale, basalt, tuff and breccia (Upper Devonian or younger?)

#### **Description and Summary of Work**

Work in the area was completed from 26 July to 17 November. Heavy rains all most daily, with less than 25% without rain or snow. (First heavy snow 12 sept). Detailed prospecting, reconnaissance and grab sampling was completed during the numerous treks over dense willow vegetation south of the Butt claims. This work was aimed at determining possible extensions of mineralization and investigates other prospects south of the Butt claims.

#### Analysis and Results

The work area was completed from 26 July to 17 November 2007. Detailed prospecting and grab sampling of outcrops and open ground swells south and south east of the Butt claims; (previously Pug claims), looking for extensions and new mineralization as shown in min file 105k011.

A total of 66 samples, 44 rocks, 21 soils, and 1 stream sample, were collected for analysis. Standard analysis for REE elements and standard major minerals were conducted by ALS. (me-ms41r, 51 anal + REE aqua regin ICPMS)

The sample 7a0015 produced the best analysis for zinc at 5.78% with iron at 37.4% and manganese at 2%. Samples from the areas 7a0032 to 36 show the high probability of a mineralization from AG, CU, and REE elements. Due to samples taken from the permafrost and close to the surface, a lot of leaching may have occurred.

Samples 7a0054 and 57 show higher than normal amounts of different minerals including, P, GA, LI, SC, SE, TI, and TL. The general area should be investigated heavily, as at the time it was prospected, heavy snow was on the ground and snowing with high winds.

Samples 7a0025 and 10 shows higher than normal FE at 38.3% and 17.4% respectively with MN and IN slightly elevated levels.

Samples 7a060 to 66 were taken by metal detector in the Magundy River to ascertain the local heavy minerals and to get a rough idea on what minerals were appearing in what rock types. The metallic rocks produced higher than normal CE, LA, TH, U, GD, HO, ND, PR, SM, TB, and YB. All the rock material appeared to be similar rock but with different grades of metamorphosation. It appears that the main body of the deposit is close at hand due to the numerous quantities in the river.

### Conclusion and Recommendation

The area south east of Eleanor Lake (km 410 on Campbell Highway, south side of road) is a sedimentary basin that has been metamorphosed. The material is from fine grained to very coarse crystals, producing numerous outcroppings of slate in a foliated texture. There are also many outcrops of phyllite and schist due to the action of constant metamorphism. There seems to be numerous hydrothermal systems which have run through the area. This has been documented by Freegold Corp. recently. It appears to have happened a few times as the quartz veins either run in a N/S or E/W direction, with both being metamorphosed by one another, or possibly from underneath, as I suspect. If you look across the highway to the cliffs outside Faro, you can see the foliated texture of the material.

The vegetation is dense willow chewed off at chest height from the caribou, making it hard too see the ground ahead and transverse. There are scattered firs at the top and some massive, though dispersed, firs on the south sides of the slopes.

On the south slopes in a couple of places there is solifluction occurring which I had hoped would expose some mineral occurrences. The over burden is very deep, using a 4' rod to test for bed rock, but usually just ended up driving the rod into the ground with it filling up with water or hitting permafrost, due to the heavy rains received in the area this year. The Depth of the over burden is over 3' and often very liquid. The closer you get to the south slope of the hill, care must be taken as there is many woods holes or up swells which the frost brings bedrock from below, usually occurring in a semi-circular fashion. Tested many of these (few compared to number present) with minor results. This anomaly should be investigated further. As discussed with Steve Traynor, the heavy materials should come up with the lighter materials, but may not have been the case. Would require digging a pit over 4' deep minimum in wet ground, possible with some ingenuity.

On the north slopes, as well as can be expected, there is much permafrost so an excavator is needed for any kind of assay work to be carried out.

The whole area needs much more prospecting done. Some interesting minor areas do show potential, but must be able to get down past the under laying permafrost and wet boggy areas, even though they occur on top of the hills. The valleys are almost impossible to prospect due to heavy over burden and swampy grounds.

Fibure 1





FIbure 3



Fibure 3.



Fibure 3



n

FIGURE 3

0 5200 Q 0  $\bigcirc$ 5 FARO COMMUNITY BOUNDARY

3

N

# Appendix A

# **Summary of Prospecting Activities**

And

**Field Notes** 

Day: Date: GRADE PERIOD LESSON TOPIC Truck 1 good Jul 260 Tuck + quand 275.4 07 Truch (Gund 29 Jul 07 Touch recent 31544 07 Tauch + Gund OI Hub Tuck jund 024 07 Truck 1 gund 05 07 Touch + find Truch + gund.

Day: Date: PERIOD GRADE LESSON TOPIC Touch & find 10 Aut 07 Truck + grand Truck 1 good. 12 Aut 07 13 Anton Lost Beck of recents from 23/07-17/08/07 Simples la 18-19/08 au wallite due to thise know Trocks. but all simples are housted by 6PS. Grant star For Jul + Aug Alt retter.

MEMOS

Date: PERIOD GRADE LESSON TOPIC Truck + Gand 74005-06 (nost simple of mist sure) Set childe Solimath Sie intend 4 vertical views of quartz Hough crit will compris of state. 18 Aut 07 Truck MA46407 TA019-24 Scalint chilles iV of C Hadman treighted and magged samples CE Senter Or Sent of Travel to white Home Simples 28 to ALS VINIEVE 5/9 Discussed The Anospectaces with Min cushey, He grave me 2 PLACES that the that Found interesty (Thenoss From Erance There off D South of AARGE bake bedfind Fisheric Lake. Touck 09 Junt 07 Ochimibed alist and ware Had seraps by Hummy TA029-31 Touch a word TENTS Present (seen whening) 07 7AC32-034 HEAVY cuentumle Truck 1 guad TALKES & 2 STAKERS FOR POSSAIVER, Extension, Buttchains & Staking Ever my Possiecting HAJVA. 2 -21/07 74035-36 Henue wer huden Truck + word + itanisin 1320107 Staking Chains Truck and cotimisan Mich 21-24 14 Souter Stalichains mich 1-4 76037-39

Day: Date: GRADE PERIOD LESSON TOPIC Truck, and comismo Ke Set 57 Streking Claims mickell Truck gurd 45-48 17 Sant of 7A040-45 Prospect chain 2 Truck gund. 18. Septor 7A046-50 ProsPect claim 22 Truchand commission Tor Stuck claims michell 5,6,25,26 Truck guad 202 74051-52 7A053-057 HEAVY SNOW 22 + 207 7A058-059 Prospect claim Truck. 23 20 46 26 De 7A060-066 MAbundyRiver HoThocks Truck guad altansmi No7 17 NOV 07 To state 07AOIS AREA FOR ZN Restached by Creation Resources MEMOS

# Appendix B

**Rock Sample Report** 

2	· · · · ·	·			<b>Bapt</b> y	)		
PERIOD								
7A001	0072101	0592447	6883668	6-Round 5-Rost Henry	guaste in	the Bhack + b	rown stree	ki
					V			
74002	11/02	0592251	6885518	FLOATRock cHips	Lanbe Bo	Iders Deport	I on North of	Slopes.
74003	11 103	0590360	6887308	•(1	[[			
7A004	11 104	0589144	6889202	SCRAPE	Bhack Slate	with Pinte on	white and 'ell	ou veening
								U
7A005	11 105	0575395	6897195	Soil SAMME	Yellow que	nts with Bha	ch rodules	2
					V			
7A006	1106	0575975	6896911	11				
			ас. 10					· · · · ·
7A007	11 107	0589144	6889232	SCRAPE	Heavey bree	Quartz		
								×
74008	11 108	0592877	6884553	outcrop	quorty-silver	+ bold Pinite	- Brown + Bha	k rodules
					V			
714009	11109	0589 058	6889 027	outcrop	quarty inth	l Pyrite ve	ino	
			× .		U J			
TADIO	u 110	0591977	6882 855	SCRAPE	Henry Bhack A	ock with mino	quarty very	with rust

# TIME TABLE (5-8 Day Cycle)

	PERIOD					· · ·			
	1A011	D072 111	0589 058	6889027	outcrop	Heavy mort	fiel quarty with	many coloure	nodules
					. 0				
	7A012	0072112	0591903	6882 2772	Soil Dangle	Slotey B.	rown soc		
		N (12)	0 < 002 0 2	1000007	O L ILO	$\hat{0} + II$	$11 \pm 01$		1
ŀ	140/3		0588870	6888 756	Pock dtil	YUARLY, dorl	ed Rus , Dha	ck oquare no	dules
	7AU14	a 114	11	"	Soil sample	Soil she	le sample		
	7A015	11 115	0589002	6889070	Rock ettip.	State with your	to crystals - Rea	+ "ellow (Hole	o in Rock). Here
					0				
	7A016	11/6	0589693	6888 585	Rock cHIP	Shate with Pa	le orange mat	ke up, Dark Bhac	li nodules.
			5011101	1000700	<i>( )</i>	Ci li ti		· (	
	7/10/7		05 71 921	6888 107	Trench	SLATE in	quarte sh	ingers (SAM/	ke-SMATE)
	7A018	11 118	L.	te	80		[1	(SAMPLE - C	DUARTZ)
	7A019	" 119	0576219	6897971	Soil SAMPLE	LibAT B.	own Rocks		
	<u>7A020</u>	11 120	0576593	689 80 81	Rock chip	Quarty inth II	rystils - Burga	mely + breen	
	i la spi		ی د	20323	، م ، ، • ب ب <del>ا ب ر</del>			and has my hay	20

# TIME TABLE (5-8 Day Cycle)

PERIOD								
7A021	0072121	0576556	6898 107	Rock cHiP	quortz vein -	Brown Fine cry	stil with whit	te moterial
	ii 122	0576540			l -			
7A022	0576540	6898 120	6898120	11	Henry mortifu	quarts with	many different	coulourdanomile
				ø				
7A023	"J.J.3	0576 506	6898 113	le	white moter	in from s	Hale.	
						V		,
74024	11 124	0576503	6898115	t/	SimiLAR to	74022		
7A025	1. 125	0592617	6883776	((	Heavy iron a	quartz-ve	in silver sh	een.
			κ.					
7A026	11/26	0592136	6885541	le	Rusty quart	with green	rodules - Ro	inded.
74027	"127	0590574	6887184	u	quarty wit	h Black 5	treaking	
74028	" 128	0589144	6889202	lı	quarty int	Leavy co	ating of Pine	te(?)
		2			0			
7.9029	4 129	0583230	6894759	CLiFF DeBre	quoty with	Bhack circlula	rodules, sile	er when rubbed
7A030	" 130	0583 198	6894626	ToP of chiff	Shote with	TAN Rusted	Banding	

.

# THVI A E (5-8-Day Cytte)

PERIOD		 		7				
714031	D072131	0583405	6894863	SCRAPE	metamorphy	quoity with	silver stringe	(disappend).
7A032	" 132	588604	6888409	Soil SAMPLE	Grey u	Pswell.		
7A0 33	" 133	588860	6888024	17	TAN UP	swell		
			4					
7A034	" 134	l (	(i	Rock cHiP	guartz v	ith Red mark	ings + Block	banding
	. *				V		0	8
71035	- " 135	588975	6887802	Soil SAMPLE	Rusty B.	roun upou	ell	
7A036	" 136	589296	6887582	outcop	quarts with,	OFF Green quo	ts + HARd PUR	(?) X'd
					0	. 0		
7A037	" 137	590924	6885 878	Soil SAMPLE	Soih Fre	m Post ma	rker	
7A038	" 138	590924	6886335	17				
7A039	~ 139	590924	6885 419	6				
								×
7A040	" 140 140	591 198	6886109	u u	meel Brow	n upswer		

22

# MIL ADEE (5-8 Day Cycre)

PERIOD								
<u>7A041</u>	D072141	591 122	6886 119	Rock HiP	quoitz m	ortified int	5 Bhack m	aterial
<u>719042</u>	11 142	591 059	6886233	Soil SAMPLE	UP Swell	, Dense Bhe	ck, smalle	mport crystole
<u>74043</u>	" 143	591033	6886 159	Rock clt ip	Henry quarty	, minor Pgri	te, Black wit	a silver streak
<u>7A044</u>	" 144	591146	6886022	Soil SAMPLE	ulswell, L	ght tan , ru	sty Pieces	
7A045	" 145	591241	6885963	li li	UPSwell	11		
7A046	" 146	592 287	6885 484	4	UPSWEll, noc	Kottips ruste	no fine ma	terin
7A047	" 147	592229	6885 497	li .	Black soil,	Leaves staining	like Pb. U	Pswell
7A047	"148	592112	6885 454	11	upswell de	ghtbrey, E	rown mater	J and a
<u>7A049</u>	" 149	592 037	6885 371	Rock Hils	white and	Red coloure	1 slate	
<u>74050</u>	" 150	591947	6885 530	Soil SAMPLE	UPSWELL	Black eart	k material	

# ADLE (5-8 Day Cycre)

		· · · · ·		ABLE T5-	Day Cy	cie)		
PERIOD				÷ 1				
					_			
TAOSI	0072151	590924	6884963	Soil SAMPLE	Post - E	lack soil		
<u>77A052</u>	" 152	591840	6884963		Post- Le	ght soil		
<u>7A053</u>	11 153	594299	6883 781	Rock HiP	quoity in	th dark Bro	IN veening	
7AOS4	" 154	594 737	6883671	Rock chip Soil Sample	Slate with	layered que	ty + BRossy Po	rites
7A053	" 155	595 727	6882997	outcol	Slate inth	brown ru	t	
7A056	"156	595685	6883 136	Rock effil Soit Somethe	quoity - D.	ark Brown str	eathing - Bhad	( nodules
7AOS7	" 157	596 131	6883 856		Slate - Bron	m + GREEN wit	gellow + Broa	N Stains
7A058	" 158	593 288	6884992	11	11			
DA059	" 159	593 186	6885211	et	11			
7A060	" <i>160</i>			Soit SAMPLE	2 into Rive	n and 2' de	ep.	

-

# TIME TABLE (5-8 Day Cycle)

PERIOD							
	-		0 /				
7A061	0072161		Hot Rocks	Bhack + bre	y nochules, 1	lusty dark ge	earty
<u>74062</u>	" 162		le	U	Larger Blac	k nodules	
7A063	u 163		ι(	white quart	z with harge !	black rodule	,
7A064	11 164		Le .	SAME as 74	662 with b	roun nochales	2
74065	11 165		در	u E	lacker no	dules	
7A066	u 160		Į¢.	11 10	Leaver an	I Rusty	
						J	

Appendix C

•

Certificates

Of

Analysis



To: WOOD\$, JAMES P.O. BOX 553 FARO YT Y0B 1K0

ALS Canada Ltd. 212 Brooksbank Avenue North Vancouver BC V7J 2C1 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

CERTIFICATE TR07102533		SAMPLE PREPARATION	
	ALS CODE	DESCRIPTION	
Project: S CAMPBELL	WEI-21	Received Sample Weight	
P.O. No:	CRU-QC	Crushing QC Test	
This second is for 00 Deals second as submitted to surplab in Terrace, DO, Canada an	LOG-22	Sample login - Rcd w/o BarCode	
This report is for 28 Rock samples submitted to our lab in Terrace, BC, Canada on	PUL-QC	Pulverizing QC Test	
13-5EP-2007.	CRU-31	Fine crushing - 70% <2mm	
The following have access to data associated with this certificate:	SPL-21	Split sample - riffle splitter	
JAMES WOODS	PUL-31	Pulverize split to 85% <75 um	
	LOG-24	Pulp Login - Rcd w/o Barcode	

	ANALYTICAL PROCEDURE	S
ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
ME-MS41r	51 anal.+REE aqua regia ICPMS	

To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0

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:

Valence Tij Cart

Lawrence Ng, Laboratory Manager - Vancouver



ALS Canada Ltd

To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - A Total # Pages: 2 (A - E) Finalized Date: 6-NOV-2007 Account: WOOJAM

212 Brooksbank Avenue North Vancouver BC V7J 2C1 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

Project: S CAMPBELL

#### CERTIFICATE OF ANALYSIS TR07102533 WEI-21 ME-MS41r Method Recvd Wt Analyte Ag AI As Au В Ba Be Bi Ca Cd Ce Co Cr Cs Units kg % % ppm Sample Description LOR 0.02 10 0.05 0.01 0.01 0.01 0.1 0.2 10 0.01 0.01 0.02 0.1 1 0.05 D072101 0.80 0.06 0.19 29.3 < 0.2 <10 110 0.21 0.14 8.39 0.21 3.27 3.5 5 0.21 D072102 0.78 0.03 1.77 109.5 < 0.2 <10 210 0.45 0.6 0.33 0.05 34.9 4.7 6 2.36 D072103 0.68 0.01 < 0.2 0.23 0.02 29.6 1.66 9.9 <10 130 0.14 0.39 5.1 6 3.37 D072104 0.80 0.4 3.08 14.9 < 0.2 <10 450 1.14 0.16 0.5 0.52 38.4 9.3 33 6.05 D072105 1.04 0.13 0.99 10.5 < 0.2 <10 170 0.72 0.61 0.32 0.2 36 4 53 19 1.6 D072106 0.55 0.09 1.21 12.5 <0.2 <10 230 0.73 0 27 0.29 0 15 28 1 86 26 1.17 D072107 0.92 <10 0.05 0.71 21.5 < 0.2 60 0.25 0.13 0.6 0.28 5.03 2.8 17 1.02 D072108 0.92 40 0.01 0.1 5.4 < 0.2 <10 0.06 0.02 3.88 0.03 2.28 1.1 8 0.12 D072109 0.81 0.07 0.64 4.8 < 0.2 <10 50 0.12 0.06 1.12 0.11 3.89 3.8 31 0.85 D072110 0.88 0.02 0.63 < 0.2 <10 120 0.33 7.66 0.06 2.28 6 4.3 0.05 5.4 0.65 D072111 0.80 0.08 0.67 8 < 0.2 <10 150 0.51 0.08 15.25 0.06 16.5 4.7 16 0.89 D072112 0.84 0.3 0.43 5.9 < 0.2 <10 100 0.26 0.04 7.44 0.18 21 3.1 6 0.23 D072113 0.91 0.07 0.24 5.6 <0.2 <10 80 0.07 0.04 2.68 1.37 9.74 10 3.1 0.2 D072114 0.83 0 11 073 25 < 0.2 <10 220 0.32 0.15 0.76 0.61 34.6 11 5 0.7 D072115 0.82 12.85 0.27 8.4 < 0.2 <10 60 0.33 0.05 1.31 359 7.95 31.5 0.89 1 0.83 0.52 1.6 < 0.2 90 4.72 0.63 0.45 D072116 0.41 10 1.11 1.43 0.5 4 5.78 D072117 0.83 0.05 5.73 1.3 < 0.2 <10 350 1.48 0.07 4.81 0.55 15.2 8.7 74 4.41 D072118 0.74 0.11 0.89 1.4 < 0.2 <10 100 0.24 2.42 4.01 0.15 2.89 2.5 12 0.98 0.55 0.29 1.47 370 0.97 D072119 9.8 < 0.2 <10 0.3 36.9 24 2 0.4 8.6 1.78 D072120 0.83 0.03 0.41 9.6 < 0.2 <10 40 0.26 0.06 2.91 0.08 10.55 3.6 13 0.3 D072121 0.77 3.8 < 0.2 350 0.05 0.6 <10 1.22 0.03 3.45 0.22 71.4 26.3 75 2.95 D072122 0.72 0.05 0.44 8 < 0.2 <10 70 0.48 0.17 19.85 0.06 17.2 3.9 5 0.14 D072123 0.45 0.05 2.42 5.9 < 0.2 <10 130 0.71 0.06 5.83 0.15 38.2 9.7 22 0.88 D072124 0.72 0.08 0.26 11 < 0.2 <10 60 0.29 0.05 13.35 0.32 8.02 3 7 0.12 D072125 0.89 0.07 0.19 1.2 < 0.2 <10 60 0.15 0.03 0.16 0.11 7.27 2 1 0.15 D072126 0.80 0.02 0.44 49 < 0.2 <10 200 0.18 0.01 14.25 0.28 35.7 5.1 22 0.44 D072127 0.78 0.03 0.61 1.3 < 0.2 <10 40 0.08 0.02 9.62 0.22 14.3 4.5 7 0.44 D072128 0.07 1.00 3.03 1.5 < 0.2 <10 230 0.89 0.04 7.03 0.13 14.35 4.4 30 4.68



Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

ALS Canada Ltd.

212 Brooksbank Avenue North Vancouver BC V7J 2C1 To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - B Total # Pages: 2 (A - E) Finalized Date: 6-NOV-2007 Account: WOOJAM

Project: S CAMPBELL

### CERTIFICATE OF ANALYSIS TR07102533

	Method	ME-MS41r														
	Analyte	Cu	Fe	Ga	Ge		нg		R OK	La	LI	ivig	IVIT	IVIO	INA	ND
Sample Description	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Valiple Description	LUK	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
D072101		10.1	5.11	0.48	0.05	0.04	0.04	0.051	0.09	1.1	0.7	0.41	3920	0.56	0.01	0.07
D072102		4.6	2.7	7.34	0.09	0.03	0.02	0.032	0.87	16.7	41.4	0.53	560	0.32	0.15	1.18
D072103		6.8	2.79	7.69	0.09	0.03	0.02	0.037	0.78	14.2	40.6	0.6	601	0.32	0.12	2.51
D072104		30.4	3.18	7.35	0.09	0.15	0.02	0.018	1.17	19.7	53.4	1.07	260	2.92	0.05	0.2
D072105		16	1.93	3.63	0.06	0.11	0.06	0.025	0.27	15.6	17.7	0.35	344	2.89	0.04	1.22
D072106		16.5	2.43	3.89	0.06	0.09	0.04	0.022	0.19	11.6	13.5	0.41	446	2.35	0.04	0.91
D072107		7.6	0.94	2.11	0.05	0.02	0.02	0.006	0.16	2.4	12.9	0.23	95	0.69	0.01	0.22
D072108		2.3	2.96	0.31	<0.05	<0.02	0.02	0.015	0.05	0.6	0.4	0.18	1280	0.43	0.01	0.12
D072109		19.3	1.29	1.87	<0.05	<0.02	0.01	0.005	0.12	1.4	11.1	0.53	237	0.89	0.01	0.12
D072110		11	17.4	1.36	0.11	0.06	0.03	0.206	0.11	0.7	27	1.29	6870	0.16	0.02	0.08
D072111		14.6	5.53	1.08	0.07	0.05	0.01	0.009	0.18	7.9	2	5.48	801	0.76	0.02	<0.05
D072112		9.6	1.22	0.72	0.05	0.03	0.04	0.011	0.1	10.9	2.5	1.9	533	0.98	0.01	0.07
D072113		6.4	2.63	0.61	<0.05	0.05	0.01	0.026	0.1	4.4	1.5	0.97	462	1.54	0.01	0.1
D072114		13	2.17	2.28	0.05	0.11	0.02	0.014	0.23	16.8	11.4	0.39	332	2.14	0.03	0.69
D072115		56.9	37.4	5.04	0.75	0.03	0.83	0.223	0.11	2.9	0.7	0.9	20200	1.93	0.01	0.11
D072116		1.6	0.49	1.03	<0.05	<0.02	0.01	<0.005	0.24	0.6	18.7	0.15	220	0.51	<0.01	0.53
D072117		2.3	3.12	13.15	0.1	0.02	0.01	0.039	1.47	7.2	36.4	2.49	724	0.31	0.14	0.33
D072118		4.6	1.22	2.23	< 0.05	<0.02	<0.01	0.012	0.27	1.3	10.4	0.62	358	0.6	0.02	0.26
D072119		35	2.62	4.39	0.07	0.04	0.08	0.026	0.2	19.6	18.5	0.57	429	1.57	0.04	1.32
D072120		3.7	1.25	1.01	<0.05	<0.02	0.02	0.008	0.1	5.3	7.3	0.44	390	0.3	0.01	0.09
D072121		23.2	7.24	12.95	0.17	0.11	0.02	0.069	0.09	31.8	98.1	3.31	1180	2.68	0.11	0.11
D072122		2.8	4.12	0.89	<0.05	0.03	0.01	0.051	0.08	8.2	9.5	6.77	2170	0.15	0.02	<0.05
D072123		15.6	3.37	5.28	0.06	0.05	0.01	0.016	0.27	17.9	60.9	2.35	524	0.32	0.03	<0.05
D072124		16.1	2.75	0.6	< 0.05	0.02	< 0.01	0.014	0.04	3.7	6.8	3.52	872	0.21	0.03	0.05
D072125		8.4	38.3	0.73	0.23	0.03	0.02	1.005	0.06	3.1	2.6	0.07	15400	0.59	0.01	0.09
D072126		1.7	5.86	0.9	0.08	0.03	0.01	0.026	0.15	17.1	3	4.71	2410	0.32	0.05	0.05
D072127		7	2.79	1.56	< 0.05	< 0.02	0.01	0.016	0.06	7.8	8.1	1.54	755	0.33	0.01	0.07
D072128		12.3	3.38	5.72	0.06	0.05	< 0.01	0.01	0.85	6.9	40	2.78	463	0.97	0.05	0.33



ALS Canada Ltd.

To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - C Total # Pages: 2 (A - E) Finalized Date: 6-NOV-2007 Account: WOOJAM

212 Brooksbank Avenue North Vancouver BC V7J 2C1 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

Project: S CAMPBELL

#### CERTIFICATE OF ANALYSIS TR07102533 ME-MS41r Method Ni P Pb Rb Re S Sb Analyte Sc Se Sn Sr Та Те Th Ti Units ppm ppm ppm ppm ppm % ppm ppm ppm % ppm ppm ppm ppm ppm Sample Description LOR 0.2 10 0.2 0.1 0.001 0.01 0.05 0.1 0.2 0.2 0.2 0.01 0.01 0.2 0.005 7.6 D072101 250 6.3 3.1 < 0.001 0.15 0.48 2.3 0.5 0.2 203 < 0.01 0.01 1.8 <0.005 D072102 2.4 780 2.9 62.3 < 0.001 0.02 0.13 4.6 0.2 2.6 24.3 0.01 0.03 5.9 0.21 D072103 1.8 760 2.3 61.4 < 0.001 0.02 < 0.05 5.4 0.2 3 20.2 0.01 0.01 5.2 0.262 D072104 27.8 370 10.9 72.6 0.003 0.55 0.85 3.2 2.8 0.7 50.2 < 0.01 0.04 14.9 0.169 D072105 13.8 430 13.1 21.5 0.001 0.02 3.3 1.04 2 0.8 22.9 < 0.01 0.03 6.1 0.042 D072106 19.1 460 17.3 18.1 < 0.001 0.02 0.51 3.1 1.2 07 24 6 < 0.01 0.03 5.4 0.044 D072107 7 90 4.6 12.7 < 0.001 0.05 0.24 1.4 0.3 0.3 18.1 < 0.01 0.02 1.5 0.034 D072108 2.9 150 1.1 < 0.001 0.01 1.6 < 0.2 1.8 0.11 0.2 49 < 0.01 < 0.01 0.8 < 0.005 D072109 12.7 440 4.7 8.2 < 0.001 0.15 0.07 1.7 0.4 0.3 10.5 < 0.01 0.01 0.3 0.02 D072110 17.2 140 4 3.7 < 0.001 0.06 0.13 3.6 87.4 0.4 0.2 < 0.01 0.01 1.4 < 0.005 D072111 11.5 550 5.8 7.8 < 0.001 2.5 0.2 0.1 0.21 1 635 < 0.01 0.02 3.4 < 0.005 D072112 13.7 690 4.9 3.4 < 0.001 0.06 3.99 2.7 1.5 0.2 179.5 < 0.01 0.02 2.1 < 0.005 D072113 6.8 310 5 3.8 < 0.001 0.02 0.51 1.7 0.6 0.2 83.9 < 0.01 0.01 1.5 < 0.005 D072114 13.8 810 12 12.8 <0 001 0.02 0.55 1.8 08 0.5 36.3 < 0.01 0.01 6.4 0.02 D072115 13.8 1420 396 5.4 0.001 2.36 7.17 1.5 3.4 4.6 61.6 < 0.01 0.02 1.9 < 0.005 D072116 300 43 15.6 0.01 0.05 0.3 0.4 25.8 1 < 0.001 <0.2 0.02 < 0.01 0.5 < 0.005 D072117 19.5 520 5.2 66.8 < 0.001 0.02 < 0.05 9.9 0.2 1.2 108 0.01 0.01 11.6 0.299 D072118 7 300 3.9 12.7 < 0.001 0.05 < 0.05 1.8 0.2 0.5 45.2 < 0.01 0.01 1.1 0.07 D072119 27.3 830 22.7 15.9 < 0.001 0.03 0.7 0.74 4.9 0.9 63.4 < 0.01 0.02 6.3 0.043 6.2 100 D072120 6.9 4.3 < 0.001 0.12 0.15 <0.2 0.2 84.6 < 0.01 0.01 2.2 <0.005 1 D072121 39.9 3250 2.8 2.9 < 0.001 0.12 < 0.05 11.8 0.5 1.4 280 0.01 < 0.01 2.6 0.028 7 D072122 50 9.8 3.5 < 0.001 0.16 0.13 1.7 0.9 0.2 626 < 0.01 0.06 1.7 <0.005 17.9 D072123 780 6.7 10.5 < 0.001 0.4 0.13 2.9 0.6 0.3 204 < 0.01 0.01 10 < 0.005 D072124 5.8 90 16.6 1.5 < 0.001 0.25 0.19 1.2 0.9 0.2 387 < 0.01 0.02 1.3 < 0.005 D072125 4.4 240 2 2.1 < 0.001 0.05 0.26 2.1 <0.2 0.2 13.5 < 0.01 0.01 2 < 0.005 D072126 16.8 3820 7.8 4.3 < 0.001 0.01 0.23 13.4 0.5 < 0.2 819 < 0.01 0.01 0.5 < 0.005 D072127 10.4 80 8.1 3.3 < 0.001 0.05 0.22 1.5 0.5 0.2 442 < 0.01 0.01 1.6 < 0.005 D072128 10.7 260 7.9 53.4 0.12 353 < 0.001 0.05 3.8 0.4 0.6 < 0.01 4.4 0.02 0.088



Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

ALS Canada Ltd.

212 Brooksbank Avenue North Vancouver BC V7J 2C1 To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - D Total # Pages: 2 (A - E) Finalized Date: 6-NOV-2007 Account: WOOJAM

Project: S CAMPBELL

## CERTIFICATE OF ANALYSIS TR07102533

Sample Description	Method	ME-MS41r														
	Analyte	TI	U	V	W	Y	Zn	Zr	Dy	Er	Eu	Gd	Ho	Lu	Nd	Pr
	Units	ppm														
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.05	0.03	0.03	0.05	0.01	0.01	0.1	0.03
D072101		0.02	0.38	4	0.08	6.65	41	1.8	1.33	0.6	0.66	1.54	0.24	0.07	3.1	0.54
D072102		0.29	1.74	36	0.09	8.54	64	0.6	1.64	0.88	0.49	2.3	0.31	0.1	13.1	3.7
D072103		0.27	1.46	43	0.1	9.07	70	0.5	1.59	0.95	0.49	2.08	0.33	0.12	11.3	3.12
D072104		0.48	3.74	134	0.1	7.97	127	5.6	1.43	0.83	0.51	2.25	0.28	0.07	14.9	4.23
D072105		0.14	4.89	43	0.19	9.41	65	4	1.86	0.93	0.47	2.64	0.34	0.11	14	3.8
D072106		0.12	0.97	42	0.22	4.77	59	2.9	1.01	0.5	0.33	1.59	0.18	0.06	9.9	2.75
D072107		0.07	0.3	36	<0.05	1.58	52	0.7	0.23	0.15	0.08	0.31	0.05	0.02	1.9	0.53
D072108		<0.02	0.08	2	<0.05	2.71	6	<0.5	0.58	0.26	1.57	0.73	0.1	0.03	2.2	0.41
D072109		0.04	0.12	20	0.1	3.48	18	<0.5	0.66	0.31	0.16	0.65	0.12	0.03	1.9	0.42
D072110		<0.02	0.21	10	<0.05	12.2	41	1.5	2.74	1.11	2.17	3.28	0.46	0.12	3.2	0.48
D072111		0.05	0.96	27	0.05	18	24	2	3.15	1.59	1.14	3.36	0.62	0.15	9.2	2.18
D072112		0.05	0.41	7	<0.05	9.25	38	1.6	1.64	0.87	0.49	2.13	0.31	0.12	10	2.55
D072113		0.02	0.44	7	0.1	10.45	127	1.5	1.75	0.93	0.37	1.56	0.34	0.11	5.1	1.22
D072114		0.07	1.51	29	0.07	5.12	91	3.9	1.2	0.54	0.49	2.13	0.2	0.05	13.6	3.82
D072115		0.04	3.48	30	0.11	12.65	>10000	0.7	2.15	1.18	0.81	2	0.43	0.14	5.5	1.16
D072116		0.07	2.4	1	0.19	3.32	459	<0.5	0.63	0.19	0.1	0.43	0.09	0.02	0.8	0.19
D072117		0.27	0.57	61	0.41	6	105	0.5	1	0.71	0.37	1.16	0.22	0.1	6.1	1.69
D072118		0.06	0.21	18	0.19	3.53	7	0.7	0.52	0.33	0.12	0.48	0.11	0.05	1.5	0.36
D072119		0.14	1.32	50	0.26	12.65	110	1.6	2.38	1.23	0.72	3.34	0.44	0.16	17.6	4.74
D072120		0.02	0.26	4	<0.05	3.96	13	<0.5	0.73	0.39	0.25	0.81	0.14	0.05	4.3	1.2
D072121		0.04	0.54	120	<0.05	18.6	100	5.3	3.91	1.91	1.62	6.09	0.71	0.19	35.3	8.86
D072122		<0.02	0.52	10	<0.05	14.65	26	0.7	2.36	1.12	2.08	2.14	0.43	0.12	7.9	2.06
D072123		0.05	0.46	13	<0.05	9.97	74	1.5	2.08	1.06	0.57	2.8	0.39	0.14	15.6	4.25
D072124		<0.02	0.31	4	<0.05	8.34	29	<0.5	1.33	0.7	0.57	1.13	0.26	0.08	3.9	0.97
D072125		<0.02	0.22	12	<0.05	5.88	13	1	1.27	0.54	3.23	2.01	0.22	0.07	3.6	0.8
D072126		0.03	0.13	25	0.05	9.12	58	<0.5	2.43	0.85	1.64	4.21	0.36	0.09	17.5	4.11
D072127		<0.02	0.2	7	<0.05	14.75	51	<0.5	1.98	1.47	0.51	1.43	0.48	0.19	6.5	1.76
D072128		0.31	0.63	113	0.08	6.14	83	1.4	1.07	0.58	0.41	1.32	0.21	0.06	6.2	1.63



Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

ALS Canada Ltd.

212 Brooksbank Avenue North Vancouver BC V7J 2C1 To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - E Total # Pages: 2 (A - E) Finalized Date: 6-NOV-2007 Account: WOOJAM

Project: S CAMPBELL

### CERTIFICATE OF ANALYSIS TR07102533

Sample Description	Method Analyte Units LOR	ME-MS41r Sm ppm 0.03	ME-MS41r Tb ppm 0.01	ME-MS41r Tm ppm 0.01	ME-MS41r Yb ppm 0.03	Zn-OG46 Zn % 0.01	
D072101 D072102 D072103 D072104 D072105		1.46 2.38 2.15 2.51 2.76	0.25 0.32 0.3 0.29 0.37	0.08 0.12 0.14 0.11 0.13	0.45 0.69 0.82 0.55 0.75		
D072106 D072107 D072108 D072109 D072110		1.82 0.34 0.8 0.57 2.5	0.21 0.04 0.11 0.11 0.54	0.07 0.03 0.04 0.04 0.15	0.41 0.15 0.21 0.24 0.82		
D072111 D072112 D072113 D072114 D072115		2.64 2.17 1.49 2.33 1.62	0.55 0.31 0.29 0.27 0.36	0.2 0.12 0.13 0.07 0.17	1.11 0.74 0.74 0.37 0.93	5.78	
D072116 D072117 D072118 D072119 D072120		0.36 1.1 0.46 3.45 0.81	0.11 0.17 0.08 0.46 0.13	0.03 0.11 0.05 0.17 0.06	0.13 0.66 0.29 0.99 0.32		
D072121 D072122 D072123 D072124 D072125		6.75 1.82 2.95 0.95 1.62	0.8 0.39 0.4 0.21 0.27	0.23 0.16 0.14 0.1 0.08	1.29 0.86 0.81 0.54 0.43		
D072126 D072127 D072128		4.07 1.26 1.23	0.54 0.27 0.19	0.1 0.23 0.08	0.6 1.33 0.45		



Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

ALS Canada Ltd. 212 Brooksbank Avenue North Vancouver BC V7J 2C1 To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0

ME-MS41r

CERTIFICATE TR07114396	SAMPLE PREPARATION						
	ALS CODE	DESCRIPTION					
Project: P.O. No.: This report is for 38 Rock samples submitted to our lab in Terrace, BC, Canada on 9-OCT-2007. The following have access to data associated with this certificate:	WEI-21 CRU-QC LOG-22 CRU-31 SPL-21 PUL-31	Received Sample Weight Crushing QC Test Sample login - Rcd w/o BarCode Fine crushing - 70% <2mm Split sample - riffle splitter Pulverize split to 85% <75 um					
		ANALYTICAL PROCEDURES					
	ALS CODE	DESCRIPTION					

To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0

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:

51 anal.+REE agua regia ICPMS

Courses (1) C .....

Lawrence Ng, Laboratory Manager - Vancouver



To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0

Page: 2 - A Total # Pages: 2 (A - E) Finalized Date: 29-OCT-2007 Account: WOOJAM

CERTIFICATE OF ANALYSIS TR07114396

#### ALS Canada Ltd. 212 Brooksbank Avenue North Vancouver BC V7J 2C1 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS41r Ag ppm 0.01	ME-MS41r Al % 0.01	ME-MS41r As ppm 0.1	ME-MS41r Au ppm 0.2	ME-MS41r B ppm 10	ME-MS41r Ba ppm 10	ME-MS41r Be ppm 0.05	ME-MS41r Bi ppm 0.01	ME-MS41r Ca % 0.01	ME-MS41r Cd ppm 0.01	ME-MS41r Ce ppm 0.02	ME-MS41r Co ppm 0.1	ME-MS41r Cr ppm 1	ME-MS41r Cs ppm 0.05
07A029 07A030 07A031 07A032 07A033		0.84 0.78 0.82 0.74 0.82	0.09 0.09 0.14 0.16 0.36	0.07 2.14 1.7 0.74 0.52	1.1 6 <2 19.1 26.2	<0.2 <0.2 <0.2 <0.2 <0.2	<10 10 <10 <10 <10	30 1100 910 150 260	0.17 1.07 0.87 0.39 0.83	0.05 0.14 0.13 0.14 0.14	4.38 13.2 15.75 7.76 1.28	0.33 0.07 0.29 0.38 0.48	3.5 21.1 20.6 32.4 52.3	2.5 5.6 4.3 5.4 22.3	8 13 8 11 32	0.2 24.8 2.24 0.78 0.84
07A034 07A035 07A036 07A037 07A038		0.80 0.78 0.80 0.82 0.80	0.17 1.19 0.05 0.23 0.05	0.12 0.39 0.2 1.35 0.33	1.6 36.5 0.8 20.8 4.3	<0.2 <0.2 <0.2 <0.2 <0.2 <0.2	<10 <10 <10 <10 <10	90 390 1740 210 110	0.18 0.41 0.13 0.65 0.59	0.02 0.15 0.13 0.21 0.25	7.91 0.32 0.1 0.62 4.48	0.58 4.06 0.19 0.49 0.08	15.95 41.9 23.4 38.7 36.9	3.4 12.2 3.5 10.4 19.9	9 4 11 19 4	0.15 0.68 1.09 1.68 0.89
07A039 07A040 07A041 07A042 07A043		0.48 0.90 0.88 0.80 0.94	0.21 0.04 0.01 0.03 0.01	1.19 0.32 0.06 0.59 0.1	17.7 2 16 1.5 8	<0.2 <0.2 <0.2 <0.2 <0.2 <0.2	<10 <10 <10 <10 <10	250 80 100 80 30	0.64 0.44 0.14 0.64 0.17	0.26 0.13 0.03 0.11 0.02	1.21 10.85 >25.0 5.45 20.2	0.73 0.11 0.03 0.04 0.02	26.5 32.3 13.3 67.5 17.25	10 11.4 2.6 12.2 6.2	15 3 1 6 <1	2 0.6 0.2 1.13 0.27
07A044 07A045 07A046 07A047 07A048		0.94 0.88 0.78 0.78 0.82	0.05 0.02 0.12 0.51 0.23	0.55 0.58 0.36 0.18 2.26	6.1 <2 23.3 112.5 10	<0.2 <0.2 <0.2 <0.2 <0.2 <0.2	<10 <10 <10 <10 <10	120 90 190 100 370	0.62 0.48 0.42 0.37 0.96	0.18 0.1 0.16 0.22 0.27	6.09 13.05 0.6 2.91 3.22	0.15 0.06 0.87 1.28 0.79	47.2 31.3 33.9 23.2 38	11 7.4 14.3 9.5 9.8	5 4 5 3 29	0.99 0.75 0.54 0.55 2.98
07A049 07A050 07A051 07A052 07A053		0.94 0.86 0.76 0.76 0.80	0.08 0.43 0.47 0.06 0.02	0.22 1.43 0.44 1 0.06	8.8 12.6 13.7 12.5 1.2	<0.2 <0.2 <0.2 <0.2 <0.2 <0.2	<10 <10 <10 <10 <10	480 350 1130 130 150	0.19 0.72 0.37 0.41 0.06	0.13 0.31 0.19 0.16 0.01	0.07 0.97 0.5 5.21 1.98	0.17 0.77 0.25 0.18 0.3	25.3 35.2 14.95 28.2 2.91	10 8.5 7.5 12 1.5	5 25 9 10 16	1.24 2.15 1.65 1.2 0.16
07A054 07A055 07A056 07A057 07A058		0.78 0.78 0.86 0.74 0.78	0.1 0.03 0.15 0.9 0.09	5.49 0.08 0.2 1.85 1.78	1.1 1.4 5.5 1.7 10.9	<0.2 <0.2 <0.2 <0.2 <0.2	<10 <10 <10 <10 <10	1010 50 80 380 180	1.56 <0.05 0.23 0.58 0.23	0.23 0.04 0.18 0.53 0.25	9.24 0.67 1.92 1.6 0.12	0.34 0.15 0.08 0.77 0.12	26.8 1.41 24.2 25.2 8.93	10.2 1.3 15.4 12.7 8.1	59 15 3 37 29	11.5 0.18 0.64 2.4 0.42
07A059 07A060 07A061 07A062 07A063		0.82 0.60 0.68 0.68 0.72	0.05 0.15 0.17 0.03 0.01	2.98 0.69 1.97 0.48 1.12	2.6 6.9 0.8 1.7 1.1	<0.2 <0.2 <0.2 <0.2 <0.2 <0.2	<10 <10 <10 <10 <10	160 830 180 70 170	0.35 0.32 0.54 0.37 0.3	0.16 0.12 0.36 0.09 0.05	0.15 4.64 2.9 1.01 0.26	0.13 0.79 0.64 0.08 0.05	24.5 18.35 48.7 49.5 28.1	13.1 5.4 11.3 3.4 4.3	35 14 28 7 8	0.47 0.7 2.44 1.57 5.66
07A064 07A065 07A066		0.76 0.78 0.66	0.03 0.05 0.03	0.91 1.33 1.05	0.8 1.8 0.5	<0.2 <0.2 <0.2	<10 <10 <10	60 60 50	0.44 0.55 0.52	0.09 0.07 0.08	1.33 2.33 1.62	0.04 0.06 0.04	87.3 111.5 89.8	5.1 8.5 6.1	9 8 7	1.39 2.06 1.81
0	0 100	I ICD MAC	A- IOD AF	C an available and	O ald	I a ta martin a tia	L ANT AA	011	and an and that	the strength of the		1 . 1 .	1 (0 5 )			



ALS Canada Ltd.

To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - B Total # Pages: 2 (A - E) Finalized Date: 29-OCT-2007 Account: WOOJAM

212 Brooksbank Avenue North Vancouver BC V7J 2C1 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

										CERTIF	ICATE	OF ANA	LYSIS	TR071	14396	
Sample Description	Method	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r
	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
07A029 07A030 07A031 07A032 07A033		13.3 17.9 15.4 11.2 53.8	1.32 1.02 0.98 1.77 6.22	0.36 6.32 4.95 2.53 1.64	<0.05 0.06 0.05 0.05 0.11	0.02 0.04 0.03 0.13	0.02 0.01 0.01 0.02 0.02	0.013 0.008 0.009 0.02 0.039	0.02 0.12 0.22 0.08 0.1	1.7 12 11.6 17 28.7	0.6 23 13.5 12.3 5.8	1.06 0.57 0.56 0.44 0.1	686 167 195 385 1340	0.46 0.42 1.03 1.75 4.82	0.01 0.26 0.2 0.02 0.02	0.11 0.41 0.43 0.87 4.74
07A034		31.9	5.56	0.46	0.07	0.05	0.01	0.044	0.01	7.5	1.9	2.53	2420	0.61	0.02	0.58
07A035		32.9	3.5	1	0.07	0.35	0.08	0.026	0.15	24	3	0.1	474	11	0.01	0.09
07A036		11.5	1.34	0.66	<0.05	0.02	0.01	0.008	0.1	12.5	2.3	0.05	452	0.39	<0.01	0.06
07A037		17.3	3.05	4.66	0.07	0.06	0.02	0.035	0.16	20.7	19.9	0.65	641	4.24	0.02	1.39
07A038		26.9	3.82	0.96	0.07	0.07	0.03	0.037	0.12	17.4	2.5	0.59	603	0.63	0.02	0.16
07A039		25	2.69	3.91	0.06	0.05	0.02	0.029	0.15	14.1	18.3	0.5	738	2.27	0.03	1.32
07A040		13	2.8	1.07	0.06	0.03	0.01	0.031	0.08	14.4	2.6	0.4	842	0.31	0.02	0.32
07A041		1.3	0.71	0.2	<0.05	0.04	0.01	0.007	0.02	5.8	0.4	0.34	544	0.18	0.02	0.05
07A042		12.2	3.33	1.74	0.09	0.08	0.01	0.03	0.14	38.5	17.9	1.76	496	0.11	0.02	0.05
07A043		6.7	4.84	0.3	0.07	0.06	0.01	0.026	0.04	6.2	2.7	3.09	1570	0.14	0.02	<0.05
07A044		14.2	2.64	1.94	0.06	0.04	0.02	0.027	0.1	24.8	6.3	0.33	552	0.79	0.02	0.83
07A045		7.8	2.25	2.33	0.05	0.02	0.01	0.024	0.09	15.8	8	0.64	575	0.44	0.02	1.32
07A046		46.7	4.03	0.62	0.06	0.27	0.02	0.017	0.08	19.3	2	0.19	518	14.95	<0.01	0.1
07A047		26.3	2.56	0.56	0.06	0.48	0.03	0.03	0.09	14.4	1.1	0.44	176	41.3	0.01	0.05
07A048		21.9	2.86	7.34	0.07	0.06	0.01	0.029	0.36	20.2	39.1	0.94	626	2.15	0.05	1.12
07A049		9.7	1.01	0.71	<0.05	0.04	0.01	0.01	0.11	13.8	1.5	0.02	190	0.74	<0.01	<0.05
07A050		23.5	2.57	5.04	0.06	0.05	0.03	0.029	0.19	19.1	23.8	0.76	430	2.82	0.03	2.15
07A051		37.2	1.7	1.39	<0.05	0.03	0.06	0.024	0.11	6.8	4.1	0.12	449	1.47	0.01	0.31
07A052		12.3	4.12	2.93	0.06	0.03	0.01	0.086	0.08	12	36	0.46	1545	0.69	0.02	0.32
07A053		3.1	0.42	0.13	<0.05	0.02	<0.01	<0.005	0.01	1.4	0.9	0.02	190	0.44	0.01	0.07
07A054		19.6	2.8	15.8	0.14	0.04	0.01	0.021	1.95	15.1	111	2.8	338	2.45	0.23	0.3
07A055		1.2	0.91	0.19	<0.05	0.02	<0.01	0.008	0.03	0.7	1.1	0.2	216	0.27	<0.01	0.08
07A056		15.8	2.57	0.61	<0.05	0.25	<0.01	0.008	0.1	14.7	2	0.71	200	4.19	0.01	<0.05
07A057		48.3	2.56	5.42	0.09	0.14	<0.01	0.02	0.41	13.2	43.1	1.08	129	2.07	0.02	0.31
07A057		26.7	3.96	5.47	0.05	0.03	0.01	0.013	0.08	4.5	32.8	0.86	298	0.7	0.01	0.33
07A059		20.4	5.14	9.97	0.08	0.08	<0.01	0.022	0.08	11.9	59.2	1.41	298	0.2	0.01	0.2
07A060		13.5	1.68	2.36	<0.05	0.11	0.05	0.018	0.11	9.5	9.8	1.82	389	2.24	0.02	0.38
07A061		7	3.88	8.47	0.1	0.21	0.01	0.047	0.14	25.8	35.6	1.41	807	0.46	0.07	0.17
07A062		1.3	1.64	3.04	0.06	0.22	<0.01	0.017	0.15	27.1	9.2	0.25	407	0.8	0.02	0.23
07A063		1.1	2.08	6.63	0.1	0.34	<0.01	0.027	0.6	13.8	47	0.52	486	0.14	0.06	1.31
07A064		2.1	2.23	5.3	0.1	0.17	<0.01	0.021	0.13	47	22.8	0.53	477	0.21	0.03	<0.05
07A065		5.6	3.13	7.54	0.15	0.11	<0.01	0.036	0.12	53.7	35.5	0.94	603	0.36	0.03	<0.05
07A066		2.9	2.52	6.03	0.11	0.15	0.01	0.031	0.13	45.7	32.4	0.65	524	0.16	0.03	<0.05
Comments: Interference	: Ca>10%	6 on ICP-MS	As,ICP-AE	S results sh	own. Gold	determinatio	ns by ME-M	S41r are se	mi-quantitat	ive due to th	ne small san	nple weight	used (0.5g).			,



ALS Canada Ltd.

To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - C Total # Pages: 2 (A - E) Finalized Date: 29-OCT-2007 Account: WOOJAM

212 Brooksbank Avenue North Vancouver BC V7J 2C1 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

									(	CERTIF	ICATE	OF ANA	LYSIS	TR071	14396	
Sample Description	Method	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
07A029		4.9	600	3.4	1.3	<0.001	0.1	0.21	1.2	1.1	<0.2	95.2	<0.01	0.01	0.3	<0.005
07A030		13.9	820	7.1	11.2	<0.001	0.38	0.11	1.3	1	0.4	487	<0.01	0.01	5.8	0.054
07A031		10	790	5.1	19.7	<0.001	0.37	0.12	2	1.2	0.3	664	<0.01	0.01	5.8	0.045
07A032		13.5	390	28.6	8.6	<0.001	0.06	0.59	2.3	0.8	0.4	369	<0.01	0.01	4.5	0.018
07A033		110.5	1960	23.8	4.9	<0.001	0.12	0.89	6.9	2.1	0.4	49.1	0.05	0.03	21	<0.005
07A034		19	860	36.6	0.8	<0.001	0.07	0.19	10.4	1.3	<0.2	158.5	0.01	0.01	1.7	<0.005
07A035		43.4	690	28	7.2	<0.001	0.07	15.05	2.8	3.9	<0.2	32.4	<0.01	0.04	9.6	<0.005
07A036		16.5	210	4.4	6	<0.001	0.11	0.23	1.4	0.2	<0.2	27.3	<0.01	0.03	3.4	<0.005
07A037		27	890	20	15.9	<0.001	0.11	1.31	3.9	0.9	0.7	35.7	<0.01	0.02	7.8	0.047
07A038		26.6	420	6.3	5.8	<0.001	0.09	0.54	6.6	0.6	<0.2	69.8	<0.01	0.01	10.4	<0.005
07A039 07A040 07A041 07A042 07A043		23.3 11.9 3 18.5 11.1	630 350 800 500 290	23.1 8.4 6.1 6.9 12	15.8 5 1.1 6.8 1.9	<0.001 <0.001 <0.001 <0.001 <0.001	0.1 0.06 0.06 0.09 0.06	1.12 0.44 0.18 0.08 0.16	3.4 4.4 1.1 6.8 1.5	1.1 0.7 0.7 0.5 0.8	0.5 0.2 <0.2 <0.2 <0.2 <0.2	45.7 263 818 85.3 408	0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 0.03 <0.01 0.01	3.9 6.5 1.6 9.9 2.9	0.029 <0.005 <0.005 <0.005 <0.005
07A044		13.3	740	9.3	9	<0.001	0.06	0.5	4.5	0.6	0.3	125	<0.01	0.01	8.5	0.013
07A045		9.3	500	6.5	7.6	<0.001	0.07	0.28	3.7	0.7	0.4	264	<0.01	<0.01	5.6	0.022
07A046		40.7	520	12.9	5	<0.001	0.18	2.16	3	1.3	<0.2	37.3	<0.01	0.03	6.7	<0.005
07A047		101	400	21.4	4.4	<0.001	0.21	8.44	2.2	3.5	0.2	167.5	<0.01	0.08	7	<0.005
07A048		22.8	1120	27.1	31.1	<0.001	0.15	0.62	5	0.9	0.8	73.6	<0.01	0.01	9.1	0.069
07A049		24.9	290	5.2	7	<0.001	0.2	0.26	2	0.8	<0.2	25.4	<0.01	0.05	3.5	<0.005
07A050		25.4	790	27.5	20.3	<0.001	0.15	1.07	4.1	1.7	0.7	43.2	<0.01	0.03	6.7	0.051
07A051		21.4	460	16.6	9.2	0.001	0.19	1.43	3.8	1.9	0.2	71.9	<0.01	0.05	2	0.007
07A052		17.3	510	9.8	7	<0.001	0.13	0.47	4	0.6	0.2	133	<0.01	0.01	5.7	0.007
07A053		6.5	140	0.7	0.9	<0.001	0.09	0.13	0.7	0.3	<0.2	60.9	<0.01	<0.01	0.6	<0.005
07A054		23.6	1400	8.2	110	0.002	0.35	0.1	9.1	2.6	2.2	315	<0.01	0.02	9.3	0.223
07A055		2.9	110	4.5	1.6	<0.001	0.06	0.46	0.5	<0.2	<0.2	28.2	<0.01	<0.01	0.9	<0.005
07A056		37.8	660	4.6	4.9	<0.001	0.04	0.74	1.6	0.6	<0.2	76.3	<0.01	0.01	8.4	<0.005
07A057		28.9	5780	12	26.9	0.005	0.37	0.49	2	8	0.4	38.4	<0.01	0.05	13.5	0.102
07A058		15.8	540	7.2	4.8	<0.001	0.15	0.13	2.2	0.5	<0.2	8.4	0.01	0.01	10.2	0.032
07A059		34.8	610	6.7	4.7	<0.001	0.05	0.19	3.1	0.4	<0.2	7.5	0.01	0.01	16.5	0.029
07A060		17.2	960	8.5	7.9	0.002	0.09	0.91	2.9	0.9	0.3	141	<0.01	0.01	3.8	0.022
07A061		5.5	1110	57.5	10.4	<0.001	0.09	0.06	8.4	0.5	1	92.9	<0.01	<0.01	12.9	0.071
07A062		1.8	680	9.6	13.2	<0.001	0.09	0.06	2.2	0.4	0.3	42.5	<0.01	<0.01	20.4	0.011
07A063		2.6	530	2.3	79.3	<0.001	0.09	<0.05	6.5	0.3	4.3	13.5	<0.01	<0.01	9.1	0.185
07A064		2.4	940	8.2	10.5	<0.001	0.06	<0.05	2.8	0.4	0.2	62.5	<0.01	<0.01	23.4	<0.005
07A065		3.6	1510	18.4	8.8	<0.001	0.1	0.17	5.9	0.6	0.3	96.2	<0.01	0.01	19.8	0.009
07A066		2.7	1090	8.7	10.9	<0.001	0.03	0.06	4.1	0.4	0.3	74	<0.01	<0.01	22.7	0.005
Comments: Interference	: Ca>10%	6 on ICP-MS	As,ICP-AE	S results sh	own. Gold o	determinatio	ns by ME-M	S41r are se	mi-quantitat	tive due to th	ne small san	nple weight	used (0.5g).			



ALS Canada Ltd.

To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - D Total # Pages: 2 (A - E) Finalized Date: 29-OCT-2007 Account: WOOJAM

212 Brooksbank Avenue North Vancouver BC V7J 2C1 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

									(	CERTIF	ICATE (	OF ANA	LYSIS	TR071	14396	
Sample Description	Method	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r	ME-MS41r
	Analyte	TI	U	V	W	Y	Zn	Zr	Dy	Er	Eu	Gd	Ho	Lu	Nd	Pr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.05	0.03	0.03	0.05	0.01	0.01	0.1	0.03
07A029		0.03	0.36	6	0.09	11.55	19	<0.5	1.66	1.19	0.19	0.93	0.39	0.17	2.1	0.48
07A030		0.04	0.76	13	0.24	9.74	21	0.6	1.35	0.9	0.56	1.58	0.29	0.14	9.1	2.55
07A031		0.1	1.45	20	0.16	9.14	28	0.6	1.28	0.87	0.52	1.55	0.28	0.12	8.6	2.45
07A032		0.06	0.95	21	0.11	9.95	76	1	1.79	0.85	0.89	2.61	0.32	0.08	15.4	4.23
07A033		0.07	5.62	32	0.12	33.2	237	5.4	7.82	3.93	1.09	7.68	1.48	0.3	27.1	7.01
07A034		<0.02	1.7	18	0.06	35	66	0.8	6.74	3.49	1.01	5.03	1.32	0.36	12.4	2.76
07A035		0.28	3.03	28	<0.05	8.6	261	14.8	1.58	0.81	0.69	2.79	0.29	0.09	19.6	5.37
07A036		0.03	0.46	5	<0.05	1.75	62	1	0.55	0.2	0.69	1.55	0.08	0.02	11.3	3
07A037		0.15	1.28	46	0.15	10.4	142	2.5	2.12	1.08	0.76	3.07	0.39	0.12	18.1	4.98
07A038		0.04	0.85	6	<0.05	10.35	52	3.1	2.45	1.16	0.82	3.78	0.43	0.12	21.4	5.47
07A039		0.13	1.77	42	0.27	9	123	1.7	1.69	0.89	0.59	2.26	0.31	0.1	12.7	3.48
07A040		0.03	0.35	7	0.05	13.65	15	1	2.74	1.23	1.72	4.02	0.47	0.13	20.2	4.79
07A041		<0.02	0.44	2	<0.05	9.63	7	1.5	1.69	0.86	2.09	2.18	0.32	0.09	7.3	1.74
07A042		0.02	0.35	5	<0.05	11.25	42	3.2	2.6	1.26	0.93	4.44	0.46	0.12	30.8	8.81
07A043		<0.02	0.25	2	<0.05	14	12	1.9	2.8	1.28	1.85	3.5	0.5	0.12	10.8	2.3
07A044		0.05	0.54	14	0.07	11.8	48	1.4	2.59	1.25	0.86	3.79	0.47	0.14	21.4	5.88
07A045		0.05	0.54	12	0.06	10.95	33	0.8	2.22	1.11	0.74	2.92	0.4	0.12	14.4	3.75
07A046		0.14	1.08	5	0.12	9.86	101	12.8	1.95	0.94	0.74	2.9	0.35	0.1	15.5	4.25
07A047		0.23	1.96	23	0.17	9.48	264	18.8	1.57	0.91	0.51	2.05	0.3	0.13	11.3	3.12
07A048		0.21	1.32	80	0.29	13.2	156	2.3	2.41	1.35	0.79	3.3	0.47	0.15	18.2	4.87
07A049		0.05	0.27	6	<0.05	3.7	28	1.8	1.03	0.42	0.58	1.95	0.16	0.04	11.3	3.09
07A050		0.16	1.34	55	1.02	10.4	138	1.8	1.97	1.08	0.69	2.81	0.38	0.13	16.6	4.51
07A051		0.13	1.14	16	0.11	5.56	45	1	1.31	0.62	0.69	1.94	0.23	0.08	9.1	2.14
07A052		0.04	0.56	15	0.05	11.95	39	0.8	2.49	1.15	1.74	3.24	0.44	0.12	15.6	3.9
07A053		<0.02	0.16	1	<0.05	7.33	48	0.7	0.88	0.57	0.24	0.72	0.19	0.07	2.4	0.55
07A054		0.68	2.34	163	0.28	12.2	67	0.9	1.87	1.23	0.74	2.12	0.41	0.16	12.5	3.45
07A055		<0.02	0.09	2	<0.05	1.52	18	0.6	0.26	0.14	0.12	0.27	0.05	0.01	0.8	0.19
07A056		0.04	0.89	2	<0.05	4.48	33	9.5	1.1	0.46	0.41	1.78	0.18	0.05	9.6	2.7
07A057		0.25	4.12	65	0.1	17.55	111	5.7	2.56	1.69	0.57	2.73	0.57	0.18	12.8	3.23
07A058		0.03	0.94	14	12.8	5.32	82	1	1.04	0.69	0.22	0.92	0.22	0.06	3.9	1.07
07A059		0.03	2.35	22	0.1	12.7	110	2.1	2.59	1.49	0.47	2.54	0.51	0.11	10.5	2.92
07A060		0.08	1.09	31	0.18	9.05	74	3.9	1.61	0.8	0.67	2.18	0.3	0.09	9.8	2.45
07A061		0.06	1.81	68	0.08	15.45	128	3.4	3.11	1.67	1.03	4.25	0.6	0.2	23.9	6.21
07A062		0.09	2.15	17	0.06	11.45	41	4.6	2.28	1.25	0.54	3.31	0.43	0.17	20.1	5.73
07A063		0.43	1.07	38	0.4	9.35	44	4.7	2.05	0.96	0.23	2.68	0.36	0.11	13.1	3.54
07A064		0.07	2.92	35	0.07	13.05	47	3.3	2.73	1.47	0.91	5.26	0.5	0.19	36.1	10.55
07A065		0.06	2.35	60	0.06	20.3	63	2.3	3.99	2.05	1.46	6.6	0.75	0.25	49.7	13.25
07A066		0.06	2.97	42	0.05	12.85	52	2.8	2.53	1.34	0.91	4.79	0.47	0.2	37.2	10.15
Comments: Interference	: Ca>10%	on ICP-MS	As,ICP-AE	S results she	own. Gold c	leterminatio	ns by ME-M	S41r are se	mi-quantitat	ive due to th	e small san	nple weight	used (0.5a).			



Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

ALS Canada Ltd.

212 Brooksbank Avenue North Vancouver BC V7J 2C1 To: WOODS, JAMES P.O. BOX 553 FARO YT Y0B 1K0 Page: 2 - E Total # Pages: 2 (A - E) Finalized Date: 29-OCT-2007 Account: WOOJAM

### CERTIFICATE OF ANALYSIS TR07114396

Sample Description	Method Analyte Units LOR	ME-MS41r Sm ppm 0.03	ME-MS41r Tb ppm 0.01	ME-MS41r Tm ppm 0.01	ME-MS41r Yb ppm 0.03	
07A029 07A030 07A031 07A032 07A033		0.65 1.58 1.47 2.8 6.65	0.23 0.24 0.23 0.37 1.37	0.17 0.13 0.12 0.1 0.47	1.08 0.87 0.79 0.61 2.46	
07A034 07A035 07A036 07A037 07A038		3.91 3.36 2.04 3.34 4.45	1.08 0.36 0.16 0.43 0.52	0.45 0.1 0.02 0.14 0.15	2.65 0.61 0.14 0.83 0.89	
07A039 07A040 07A041 07A042 07A043		2.51 4.82 1.82 4.92 3.23	0.33 0.57 0.32 0.56 0.55	0.12 0.16 0.11 0.15 0.15	0.72 0.93 0.64 0.85 0.85	
07A044 07A045 07A046 07A047 07A048		3.9 2.93 2.93 2.18 3.56	0.53 0.44 0.41 0.3 0.47	0.16 0.14 0.12 0.13 0.18	0.97 0.85 0.7 0.85 1.1	
07A049 07A050 07A051 07A052 07A053		2.2 3.03 2.29 3.5 0.63	0.25 0.39 0.27 0.5 0.14	0.05 0.14 0.08 0.15 0.08	0.29 0.86 0.5 0.88 0.52	
07A054 07A055 07A056 07A057 07A058		2.17 0.26 1.85 2.61 0.86	0.32 0.05 0.24 0.44 0.17	0.17 0.02 0.06 0.23 0.1	1.1 0.11 0.36 1.34 0.54	
07A059 07A060 07A061 07A062 07A063		2.09 2.17 4.51 3.38 2.82	0.45 0.32 0.61 0.46 0.41	0.19 0.1 0.22 0.17 0.13	1.03 0.61 1.38 1.16 0.77	
07A064 07A065 07A066		5.86 8.42 6.15	0.62 0.84 0.57	0.19 0.28 0.18	1.23 1.69 1.22	