

	Province of British Columbia	Ministry of Energy, Mines and Petroleum Resour GEOLOGICAL SURVEY BRA	d ces мсн	ASS	ESSMENT REPORT GE AND SUMMARY
	TITLE OF REPORT [type of sur		\frown	Thistor	AL COST
	DIAMOND DRILLING	- 1992 through 1994		there ??	\$490,177.69
AUTHOR(S)		SIGNATI	JRE(S)		
NOTICE OF W	ORK PERMIT NUMBER(S)/DATE(S)	VARIOUS		L YEAR OF Y	ORK1992/94
STATEMENT	OF WORK - CASH PAYMENT EVENT N	UMBER(S)/DATE(S)Dia	nond and Ro	tary Percussion	Drilling between
Feb	ruary 16, 1992 and July 19, 1	994. All expenses appli	ed to R.H. Sta	nfield, PAC Acco	unt
PROPERTY NA	AMEG	ALLOWAI/BUL RIVER GI			
CLAIM NAME(S) (on which work was done)S1	EEPLES GROUP #1C (R.H. Stanfield)		
	Stooples Group #1	C comprising five 20 unit	claims:		
	Steeples #1, Steep	oles #2, Steeples #11, Ste	eples #13 and	Steeples #15	
COMMODITIES	S SOUGHTCopper, Silver, Go	d and associated metals			······································
MINERAL INVE	ENTORY MINFILE NUMBER(S), IF KNC	WN	- 82	6 NW 002	·
MINING DMSI	ONFORT STEELE	NTS		82G11	
LATITUDE	49 °30'11	LONGITUDE115	° <u>22</u>	13 (at con	tre of work)
OWNER(S)					
1)	R. H. Stanfield	2)			
MAILING ADDP	RESS		······	<u> </u>	
•	#350 - 4723 1st Street S.V	N.,			
	Calgary, Alberta, T2G 0/	<u></u>	P	ECEIVED	
-	(403) 287 3800			NELSON	
OPERATOR(S)	[who paid for the work]			FB 1 6 1995	
1)		2)		LIN DENGAL RECEN	
			100		
MAILING ADDF	RESS				
	#305 - 4723 1st Street				
<u></u>	Calgary, Alberta. T2G 4Y	8			
	(403) 287 3800				
PROPERTY GE	EOLOGY KEYWORDS (lithology, age, a	stratigraphy, structure, alteration	, mineralization, si	re and attitude):	
	Sequence of Copper, Silve	er, Gold and associated me	tals in veins in s	shear envelopes st	iking generally east
	- west on the southern fac	cing slopes of the Steeple	s Range east o	f Cranbrook in the	Fort Steele Mining
	Division of British Columb	pia. Vein systems are ho	sted in banded	argillites of the pr	ecambrian Aldridge
	sequence. Significant ove	erburden depths prevent ea	asy identification	n of faults and dyke	s (Moyie) known to
	intersect (be associated w	vith) the structures.			· · · · · · · · · · · · · · · · · · ·
REFERENCES	TO PREVIOUS ASSESSMENT WORK	AND ASSESSMENT REPORT N	JMBERS		
	See References in Report	t			
			FILME	D	(OVER)

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1. Introduction.

Since the beginning of 1992, the R. H. Stanfield Group has completed 4,106.88 metres of Diamond Drilling utilising 978.72 metres of Percussed pre-drilled Casing through difficult overburden conditions at its Gallowai Bul River Site.

This Report is prepared exclusively to apply costs incurred towards the Stanfield PAC Account.

- All Percussed Casing with the exception of the reset Casing for BR1.94 was set prior to 1992 and is excluded from this Assessment.
- Certain holes have been used previously for Assessment purposes and are therefore excluded from this report.
- Hole Numbers for inclusion as PAC eligible costing are provided in the tabulation in Section 2 of this Report.
- All Holes are located in Steeples Group 1C with the exception of BR3.92 which is located in Claim Group Steeples 2B.

All drilling is confined to the area of the old (1970-73) Placid Oil "Bull River Mine", in the area of its Pits, Tailings Impoundment and Mill Buildings/Office complex some 4km northeast of the settlement of Bull River, south of Fort Steele, southeastern British Columbia.

Steeples Group #1C comprises five contiguous mineral claims viz. Steeples # 1, 2, 11, 13 and 15 within the total Stanfield Holdings of British Columbia's Fort Steele Mining Division.

2. Location.

The Stanfield Holdings are situated in the Fort Steele Mining Division of southeastern British Columbia (NTS 82G6 / NTS 82G11) astride Highway #3 between Fernie and Cranbrook and encompassing Galloway - see the preceding Figure 1. The Steeples Group #1C located within the greater Stanfield Group - see Figure 2 - sits astride a section of the southerly and south facing flank of the Steeples overlooking the confluence of the Bull and Kootenay Rivers.

The Drilling subject to this Report is located on Figure 4 of this Report and is listed overleaf.





	metres	(corrected to the second	decimal)
HOLE #	LATITUDE	DEPARTURE	ELEVATION
1.94	3676.01	4582.40	924.12
1.93	3892.83	4434.35	953.49
4.92/93	3548.49	4664.46	921.22
2.92	3756.39	4196.63	945.01
1.92	3561.38	4816.89	922.53

Table 1: Period Drilling on Steeples Group #1C - HOLE LOCATIONS

3. Physiography.

The Steeples Claim Group #1C extends from an elevation of 833 metres immediately north of the Bull River as it widens after coursing through the gorge south of the Aberfeldie Dam and reservoir, to a maximum elevation on Bull Mountain, the southernmost peak of the Steeples Range on the central southern boundary of Steeples #15 (central northern boundary of Steeples #13) of 2,392.68 metres.

Ground Water run off from the Steeples south face flows due south into the Bull River below the Aberfeldie Dam. Ground Water from the Lizard Range immediately east of Aberfeldie flows westerly (and northerly via Overson Creek) to the Bull River above the reservoir. Ground Water north of Bull Mountain also flows to the Bull River north of Aberfeldie. In all cases, the Bull directs the flow to the Kootenay and thus to Lake Koocanusa.

4. Previous Work.

The R.H. Stanfield Group has drilled 35,821.14 metres (117,523.43') of Diamond programme since 1982 at the Gallowai Bul River property. This drilling includes 1,573.37 (5,161') of hole advanced by Rotary/Percussion machine to set casing in deep overburden. Additionally, an airborne survey (Magnetometer G-803) through Apex Airborne Surveys Ltd., in 1982 has recently been augmented by two multi-array surveys by Dighem to better define targets in the Bull River Area.

Previous open pitting was conducted by Placid Oil in the early 1970's at their Bull River Copper Mine. Earlier exploration incorporating adit mining at both the Bull River and Copper King areas' (also on Steeples Group #1C) is on record through Annual Reports to the Minister of Energy Mines and Petroleum Resources, British Columbia.









3.500N

13.000N









3

Other areas explored and mined on this Claim Group are the Trilby (1898 & 1925 MEMPR Reports) for Lead, Copper and Silver, and, the Bull River Iron Mine (1920 MEMPR)

5. Geology.

The Gallowai Bul River property straddles the contact between the Rocky Mountain Trench and the western edge of the Rocky Mountains. The Drill site lies within the Sand Creek Domain on the southern flank of the Steeples Range but most of the Claim Group lies predominantly within the Steeples Domain. Overburden consists of Pleistocene glaciofluvial and colluvial sediments. Metasediments of the Precambrian Aldridge and Creston, with intrusions of Moyie sills and dykes, outcrop on the property.

The Aldridge formation at the Gallowai Bul River property contains several mineralized shear zones traceable in open pits and diamond drilling. The vein systems are mineralized by chalcopyrite, pyrrhotite, arsenopyrite and pyrite with quartz, calcite and/or siderite and wollastonite as major gangue minerals. Gold occurs in association with the quartz gangue and in the lattice of the sulphide minerals.

6. Objectives.

The general objective of all the drilling at Gallowai Bul River, is to better understand the relationships of the various vein splays to each other, to the dykes that can either cut or co-exist with the mineralized zones and to the silica rich horizons within the Aldridge which in some way determine the strength of vein mineralization as well as to the pyrite/pyrrhotite and chalcopyrite which occurs syngenetically to varying degrees within the Aldridge at Gallowai Bul River. Individually, hole locations are kept as close as possible to an overlying grid pattern designed to facilitate reserve calculations while maximising our knowledge for mine planning purposes. That is, due to the abnormally thick overburden especially towards the west of the property, if a hole is required to determine subcrop details, it will be pushed to provide the maximum possible knowledge of the depth vein structures. The cost of setting Rotary Percussion Casing to bedrock - without which the Company Longyear Drills couldn't cope - is too high to permit frivolous hole locating.

At the time Stanfield purchased the assets from Placid Oil of their Bull River Copper operation, Placid had a Total Reserve (Underground Section) of 732,492 tons at an average grade of 1.94% Copper (at a 1.00% Copper cut-off and minimum thickness of 4ft). These reserves were confined to the area between the southeastern side of Pit #1, the central eastern (east of) side of the Tailings Dam and the southwest corner of the Mill Complex pad, that is a strike length on all zones of some 350 metres.

Initially, Stanfield Group drilling was designed to define depth extensions to these reserves which were reported as being confined laterally to this very specific zone. Step out drilling has now extended the company knowledge of these structures which exist singly or in multiple "en echelon" systems from the westernmost occurrence to the last significant easterly occurrence in excess of 1500 metres and to depths exceeding 600 metres. Most drilling now being conducted is to better define the links between the various zones so as to determine the most accurate reserve estimation which will enable the company to most adequately define the size of operation to maximise the potential returns from the property.

Specifically;

BR1.92	western extension of eastern underground reserves and depth continuities of 7.81 structures
BR2.92	westerly extensions of exceptionally well defined vein systems located west of the Tailings Dam
BR4.92/93	To extend eastern reserves through to the major western discoveries and to better define the southern extension of the structural break separating the two Pits
BR1.93	To determine mineralization between the two Pits. To examine association of dykes to/with vein systems and to locate faulting existing and interfering with near surface depth extensions of Placid Open Pit zones.
BR1.94	To link eastern and western reserves. This hole replaces BR3.91 which was lost due to casing being landed on a massive boulder rather than bedrock.

7. Logs, Lithology and Structure

The following pages contain copies of the Diamond Drill Core Logs as conducted by the writer and/or Mr Pilsum Master M.Sc., P.Geol. during the normal course of their efforts on behalf of the Stanfield Group.

Logs are provided in dated sequence commencing with BR1.93 and ending with BR1.92.

Only the Rotary Percussed part of BR1.94 forms part of this Report. The diamond drilling will be the basis of a further report.

Assay results for the assayed splits are provided on the Drill Logs and a copy of the Assay Reports for the holes, completed by Terramin Research Labs Ltd. of Calgary, are attached following the References for this Report.

All drill core is stored at the Stanfield Group Core Shed at its Gallowai Camp.

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le Nor	BKT-25	Page:	di2	GALLOW.	AL BUL RIVER MINE					<u> </u>		<	
lar Fleva	tion (m):	Collar Survey date	Location: Latitude	08m 4816.	89m Din		·						
jective:			P Maste	r Sent 25/0	Decth (m):					<u>~</u>	•		
0080080	£	Completed:	Logged by	Date: Seperation	<u> </u>								
DAL.	m To		Sampled by:Descri	Dion:		Sample No:	From To V	lidth			Analys	i 6	
,	(77.4)								Cu	Рв	Zn	Ni	CD
4	498 (151.8)	Argillaceous Qtzite : g less banding than no 270 - 311(82.3 - 94. there is 5 - 10% py,	reen, higher than norm ormal. .8) : Qtz-CO ₃ -bx zone. . cp and some pyrrhotit	al argillaceous content, Qtz content variable but e	where high,				PPM	РРМ	РРМ	РРМ	PPM
		326 - 419(99.4 - 12) 343 - 343.5(104.5 (Mineralized Zone) @ ≈ 60° to CA. 412 - 419(125.6 - 12) 452 - 454(137.8 - 479 - 479.5(145.9 -	7.7) : fractured and bro - 104.7) : Qtz-CO ₃ -bx- Very sharp contacts 27.7), 432 - 434(131.7 138.4) : broken and fra 146.2) : massive pyrrh	ken core by-cp - 132.3), 445 - 446(135.6 actured core and gouge patite-py (no gtz-CQ.)	5 - 135.9) ,	4621 4622 4623	341(103.9) 343(104.5) 343.5(104.7)	2' .5' 1.5'	13 82000 910	4 20 3	3 1410 57	6 22 9	0 15 0
3	530 (161.5)	Argillaceous Qtzite : g section above. Lots 511 - 515(155.8 - 1	ray-green, less argillac of qtz-CO ₃ veinlets, 56.9), 516 - 517(157.3	eous than the - 157.6) : qtz-CO ₃ -bx, litt	e or no sulphides								
	606 (184.7)	Argillaceous Qtzite : g 541 - 543(164.9 - 16 578 - 586(176.2 - 17	reen-gray, banding (ve 65.5) : qtz-CO ₃ stringer 78.6) : qtz-CO ₃ fracture	ry fine) @ 50 ^l to CA zone, some cp-py filling veinlets with cp-py	-pyrrhotite	4617	541(164.9)	2'	121	6	19	12	0
;	820 (249.9)	Argillaceous Qtzite : v banding, gray-green 631 - 653(1923 - 10	ery little argillaceous m in colour. A few CO_3 -	aterial, not much qtz filled crackle.									

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DIAMONI	D DRILL LOG (i (Secondary Page) GALLOWAI BUL RIVER MINE Property						-	$\langle \mathbf{u} \rangle$		
<u>Hole No:</u> From	BR1-92	Pager_ 2 of_ 2	Description	Sample No	, From To	Width		- 	Anal	ysis	<u> </u>
		695 - 717(211.8 - 218.5) : r	nedium grained, gray in colour, no banding (Diorite dy	/ke ?)			Cu	Рв	Zn	Ni	Cd
320	877 (267.3	Argillaceous Qtzite : green-gr 827 - 837(252.1 - 255.1) : I 833 - 836(253.9 - 254.8) Py, pyrrhotite and some c	ay, not much banding, but quite argillaceous ots of qtz-CO ₃ -bx : Mineralized zone, glassy and white qtz in bx. P	4611	833(253.9)	3'	139	87	124	17	0.8
77	887 (270.4)	Argillaceous Qtzite : lighter co	blour, fewer partings, less argillaceous								
187	1320 (402.3)	Argillaceous Qtzite : very fine colour, some CO ₃ veinlets 923 - 925(281.3 - 281.9) : (936 - 946(285.3 - 288.3) : 1 1184 - 1232(360.9 - 375.5) 1248 - 1248.5(380.4 - 380.5) qtz-CO ₃ -bx, the 1297 - 1290 1299 - 1302(395.9 - 396.8) Zone ?) 15 - 20%	banding @ 70° to CA, green to gray in disseminated and fractured py 10 - 15%. No qtz or Ca broken and fractured core : diss and fracture py common 5), 1261 - 1265(384.4 - 385.6), 1297 - 1298(395.3 - 3 3 has 10 - 15% py-pyrrhotite : qtz-CO ₃ -bx(?) with clots of pyrrhotite-py (Mineralized	D₃ 95.6); I							
20	1874 (571.2)	Argillaceous Qtzite : green, w disseminated py 1320 - 1415(402.3 - 431.3) without apparent change in 1511 - 1607(460.6 - 489.8)	vell banded @ 45° - 60° to CA, some : some broken core, a few sections have less bandir argillaceous content : banding @ 60° to CA	g							
	1874 (571.2)	END OF HOLE									

DIAMOND DRILL LUG (OVIEI Fage	DL	AMOND	DRILL	LOG	(Cover	Page
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Mala Mar	BR2-92	Page 1	A 4		Project	GALLOWAI BUL	RIVER MINE								
Collar Elevation	94	15.0m Collar Survey date	Location: Latitude	3,756.4m	Decerture	4,196.6m	Din								
Objective:				Hater		Sapt 25/02	Deoth (m):						-		
Commerced		Completed	logged by:		Date:		Din						-		
			Sampled by:		Date		Bearing								
From m	To	(128)00		Description:				Sample No:	From To	Width			Analys	818	
0	(235.9)	Casing							c.		Cu	Рв	Zn	NI	Cd
774	1354 (412.7)	Argillaceous Qtzite : g A few CO ₃ veinlets. 774 - 787(235.9 - 23 discontinuous CO ₃ v Disseminated and cl 787 - 850(235.9 - (2) @ low angle to CA. of broken and fractu 850 - 922(259 - 281) @ low angle to CA. 867 - 869(264.2 -	reen, quite band 39.8) : extremely einlets with little ots py at irregula (59) : numerous i A few local gou red core.) : decreasing ar 264.8) : qtz-CO ₃ -	ed, @ 45° - fractured an or no sulphic ir intervals. irregular and ige zones at nount of bro bx with som	60° to CA. d broken o des. discontinu high angle ken and fra e cp and p	core, a few irre ous qtz-CO3-bi to CA. Lots actured core. by @ 10° to Ca	gular and < stringers Banding A (approximately				PPM	PPM	PPM	PPM	PPM
. *		1" - 1.5" wide). 922 - 977(281 - 297 1011 - 1013(308.1 - crackle py-pyrrhotite 1038 - 1040(316.3 - py-pyrrhotite, zone v 1066 - 1138(324.9 - 1129 - 1142(344.1 - 1138 - 1207(346.8 - with little or no sulpl 1217 - 1220(370.9 - 1291 - 1293(393.4 -	7.7) : a few irregu 308.7) : 1" - 2" 316.9); 1047 - 1 vidth 346.8) : more di 348) : broken ar 367.8) : lots of a hides (these sect 371.8) : qtz-CO ₃ 394.1) : gouge z	lar veinlets of wide zone 1 049(319.1 - sseminated na fractured narrow, irregi ions are mor -bx with pyrr zone	of CO ₃ at h 0° to CA o 319.7) : qt oy, irregula core ular, discor e broken o hotite-py	high angle to C f gouge and q z-CO ₃ -bx zone ar and low ang ntinuous qtz-CC xore)	A. z-CO ₃ -bx, with crackle le to CA. D ₃ -bx zones								
1354	1721 (524.5)	Argillaceous Otzite : g silicification, dissemi 1426 - 1438(434.6 - little or no sulphides 1440 - 1532(438.9 -	ray-green, very li nated and stringe 438.3) : qtz-CO ₃ 466.9) : banding	ittle banding, er py commo -bx : some t y when visible	some n proken and e as @ hig	fractured core	and gouge,								
1721	2917 (889.1)	Argillaceous Otzite : g 60° to CA, distinct, s 1730 - 1740(527.3 - with cp, py and pyrr	reen, medium arg some disseminate 530.4) : qtz-bx, hotite (Mineralize	gillaceous, find and clots some CO3, c d Zone).	ne banding of py. juite crackl	@ 45° - ed		4691 4692 4693	1730(527.) 1732(527.) 1735(528.)	3) 2' 9) 3' 3) 2'	500 2200 520	13 2 3	8 15 15	51 34 20	0.1 0.1 0.1

DIAMOND DRILL LOG	(Secondary Page) 2 4 GALLOWAI BUL RIVER MINE	Poopenty:			
Hole No: From m To	Page: of Description	Sample No:	From To	Width	<u> </u>
	1740 - 1746(530.4 - 532.2) : quite silicified with some HW Marker characteristics 1747 - 1777(532.5 - 541.6) : greener, more argillaceous (?) 1777 - 1778(541.6 - 541.9) : qtz-CO ₃ -bx, crackle, some pyrrhotite and cp(?) 1778 - 1794(541.9 - 546.8) : qtz-CO ₃ -bx @ 20° to CA, bx goes in and out of drill stem(?), broken and fractured core.				Cu ppm
	1883 - 1906(573.9 - 580.9) : qtz-CO ₃ -bx zone with variable crackle. Amount of crackle determines sulphide content (mainly py) 1892 - 1893(576.7 - 576.9) : relatively barren				
	1906 - 1981(580.9 - 603.8) : more silisic 1906 - 1920(580.9 - 585.2) : qtz-CO ₃ -bx, quite mylonitic in parts, not much crackle, no significant sulphides				
	1997 - 2000(608.7 - 609.6) : HW Marker Zone, qtz-CO ₃ -bx in mega crackle 2000 - 2002(609.6 - 610.2) : qtz-CO ₃ -bx with crackle pyrrhotite-py and cp(?) Mineralized Zone 2002 - 2020(610.2 - 615.7) : HW Marker Zone with qtz-CO ₃ -bx filling mega cracks. Variable py-pyrrhotite with crackle. 2020 - 2036(615.7 - 620.6) : Mineralized Zone : qtz-CO ₃ -bx with variable crackle containing mainly pyrrhotite, some cp and py with major pyrrhotite clots	4665	2020(615.7)	6'	210
	2036 - 2045(620.6 - 623.3) : qtz-CO ₃ -bx with crackle py-cp-and pyrrhotite @ $\approx 20^{\circ}$ to CA and in and out of drill stem 2045 - 2060(623.3 - 627.9) : HW Marker Zone with minor qtz-CO ₃ -bx filling mega crackle 2060 - 2063(627.9 - 628.8) : qtz-CO ₃ -bx, mineralized zone, with variable crackle chlorite, pyrrhotite main sulphide, some cp(?) and py 2063 - 2085(628.8 - 635.5) : HW Marker Zone 2085 - 2088(635.5 - 636.4) : Mineralized Zone, Qtz-CO ₃ -bx, crackle with sulphides	4674	2085(635.5)	3'	760



0.1

0.1

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PB ZN NI CD PPM PPM PPM PPM

DIAMOND	NAMOND DRILL LOG (Secondary Page) tole No: BR2-92 Page: 3 of 4 rom m To	Secondary Page) Project GALLOWAI BUL RIVER MINE	Property:			-		- A		
<u>Hole No: E</u> From II	BR2-92 R To	Page: 3 Description	Sample No	From To	Width		-	Anal	y s i s	\checkmark
		2097 - 2098.5(639.2 - 639.6) : Mineralized Zone, Qtz-CO ₃ -bx with crackle chlorite and pyrrhotite	4658	2097(639.2)	1.5'	Cu 121	Рв 3	Zn 25	Ni 9	Cd/ 0.1
		2114 - 2119(644.3 - 645.9) : Mineralized Zone, qtz -CO ₃ -bx lots of crackle and pyrrhotite, little or no cp and py	4661	2114(644.3)	5'	420	2	19	13	0.1
		2175 - 2176(662.9 - 663.2) : 1 1/2" wide qtz -CO ₃ -bx @ 20° to CA, with crackle chlorite and py. Very sharp contact, no mineral on either side.								
		2231 - 2236(680 - 681.5) : qtz-CO ₃ -with limited bx, silicified look but no crackle and no significant sulphides								
		2236 - 2240(681.5 - 682.8) : mineralized zone : qtz -CO ₃ -bx with chlorite crackle, disseminations and clots of py-cp-pyrrhotite in crackle	4655	2236(681.5)	4'	4000	1	44	18	0.5
		2240 - 2247.5(682.8 - 685) : HW Marker Zone of qtz -CO ₃ -bx stringers and wide crackle fillings, but no significant crackle.								
		2317 - 2357(706.2 - 718.4) : variable extent of qtz-CO ₃ -bx, with most intensive @ 2332 - 2337(710.8 - 712.3), no sulphides of any significance, no crackle zone 2394 - 2397(729.7 - 730.6) : qtz-CO ₃ -bx with crackle chlorite and py 2399 - 2408(731.2 - 733.9) : mineralized zone, py-pyrrhotite								
		2450.5 - 2451.5(746.9 - 747.2) : qtz-bx with some pyrrhotite, not much crackle 2465 - 2555(751.3 - 778.8) : quite silicified 2465 - 2472(751.3 - 753.5) : qtz-CO ₃ -bx quite silicified, but not enough crackle,								
		no significant sulphides 2513 - 2517(765.9 - 767.2) : qtz-CO ₃ -bx, mineralized zone with crackle pyrrhotite (spotty), quite silicified.								
		Some evidence of "flow" - slippage - along and parallel to fracturing 2670 - 2673(813.8 - 814.7) : silicified and bx, with qtz-CO ₃ -bx from 2672 - 2673(814.4 - 814.7), no significant crackle or sulphides								
		2688 - 2697(819.3 - 822) : qtz-CO ₃ -bx with glassy silicification paucity of crackle chlorite. Some pyrrhotite-py (mineralized zone ?)								
		2722 - 2726(829.7 - 830.9) : broken core, gouge 2734 - 2737(833.3 - 834.2) : qtz-CO ₃ -bx veins, low angle to CA, no crackle, no significant sulphides.								

2-92	Pager of 4					—		
10		Description	Sample No	From To	Width		Anal	y s i s
	2849 - 2852(868.4 - 869.3) : 1	Mineralized Zone : crackle qtz -CO ₃ -bx with pyrrhotit	е-ру,		Ci	I PB	ZN	NI
				[PPI	I PPM	PPM	PPM
2917 (889.1)	END OF HOLE							
. 1								
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	BR 4.92/93	a (Cover Page)	a	5	Project	RHS	Property	GALLOWAI/BU	UL RIVER				_	<¢	
Collar Elevation Objective Commenced	n(m) 921 Down dip st November 28	.2m Collar Survey dath tep out from Pit #1 3, 1992 Completed	July 12, 1983ged by	Phil de Souza	Departur	Nov. 2/94	Dip90* Depth (m): Dip:	2717 (828.1	14m)				-	~	ア
From m	<u>]0</u>		Sampled by:	Description:	Oate:	NOV. 3/94	Bearing	Sample No:	From	To Width			Analys	15	
											ŪŪ	Рв	ZN	NI	CD
0	562 (171.3)	Overburden - (Recorded	Drilled and Ca as IF11 - 1990)	ased by Rotary	/ Per	cussion					РРМ	PPM	PPM	PPM	PPM
562	630 (192)	Very fine gr @ 609 (185	ained quartzite .6) 1' (0.3) An	es rgillite Band											
630	663 (202.1)	Quartzites a @ 629 - 63 643 - 64	nd Argillaceous 22 (191.7 - 192 5 (196 - 196.6)	s quartzites .6) Black argi) Black argill	llite ite										
663	738 (224.9)	Banded Argil	lite						ł						
738	750 (228.6)	Siliceous Ar	gillite												
750	797 (242.9)	Banded Silic	eous Argillite	- predominant	ly bla	lck									
797	941 (286 <i>.</i> 8)	Predominantl @ 851 (259 @ 892 - 89	y Black banded .4) 1" band syn 5 (271.9 - 272	argillite nginetic pyrrh .8) quartz str	otite ingerl	ets-no sulp	hides								
941	945 (288)	Tightly band	led quartzites ,	/ argillites											
945	948 (288.95)	Quartz / Sid	lerite Horsetai	ls in banded a	rgilla	aceous quart	zite							ļ	
948	959 (292.3)	Banded Argil and Chalco	laceous quartz. pyrite	ite with strir	lgerlet	s of Pyrite	, Pyrrhotite								
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DIAMOND	DRILL/LOG (S	Secondary Page)	2	5			Project				P	openir					-		4	
Hole No: From m		A/97 Page:		di			Description					ample No	· From	10	Width		-	A n a l	y s i s	\checkmark
		@ 948. @ 952. @ 957. @ 957.	25 (2 25 (2 25 (2 75 (2	89m) 1/2" 90.25m) 1 91.77m) 1 91.92m) 1	syngene /2" syng /2" syng /2" syng	tic cha enetic enetic enetic	alcopyri chalcop chalcop chalcop chalcop	te and poyrite and	pyrrhotit nd pyrrho nd pyrrho nd pyrrho	e tite tite tite				<u></u>		Cu ppm	Pb ppm	Zn ppm	NI PPM	Cd ppm
959	962 (293.2:	Quartz/s 2)	ideri	te veinin	g with p	yrite,	pyrrhot	ite and	chalcopy	rite										
962	966 (294.4	Banded a) @ 962. 962. 963	rgill 2 (29 5 (29 (293.	aceous qu 3.2) 1/2" 3.4) 1/2" 5) 1/2" p	artzite pyrite, pyrite, pyrite, c	chalco chalco chalco a	o and py o and py and pyrr	vrrhotite chotite	e stringe e stringe stringer	r										
966	974.5 (297)	Main Zon and ar 45° to	ie. Qu senop Core	artz/side yrite and Axis	rite wit l minor c	h major hlorite	chalco)	opyrite,	pyrite,	pyrrhotite		1951 1952 1953 1954	960 960 970 971	6(294.4 8(295) 0(295. 2(296.3	1) 2 2 7) 2 3) 2.	2.6 1.9 5.0 5'1.7	4 220 370 2 300	620 510 1180 450	12 92 87 98	10.4 10.2 28.7 8.6
974.5	977 (297.8	Black ar	gilli	te with m	uinor mig	ratory	sulphid	les on si	hears.											
977	981 (299)	Quartz/s Pyrrho	ideri tite	te horset and pyrit	ails con e. Blac	taining k argil	g amount Llite ho	s of chost	alcopyrit	e										
981	992	Main Zon 45° to	ne - q core	uartz ric axis	h with c	halco,	pyrite	and pyr	rhotite			4955 4956 4957 4958	98 98 98 98	1 (299) 4 (299.) 6 (300.) 8 (301.)	3' 2) 2' 5) 2' L) 2'	1.1 6.8 1.8 0.4	4 740 108 5 5	24(157(65(62	19 72 43 18	3.7 29.4 19.0 1.0
992	994 (303)	Quartz/s	ideri	te horset	ails wit	h minor	c chalco	opyrite,	pyrite a	nd pyrrhot.	ite	19.55		0 (50 2 .)	, 2					
994	1001	Predomin but ve	antly ery mi	black ar nor sulph	gillite Nides	with fu	urther h	norsetai	ling as a	bove										
1001	1005 (306.3	More int) @ 1001 1001 1002 1002 1003 an	ense (305 .5 (3 2 (305 2.5 (3 3 - 10 ad min	horsetail .1m) - 1" 05.26m) 1 .4) 2" ba 05.56) 1" 04.5 (305 or pyrrho	ing quar barren -1/2" ba rren qua barren 5.7m - 30 btite	tz/side quartz/ arren qu artz/sic quartz/ 06.17m)	erite /siderit uartz/si derite /siderit quartz/	te iderite te /siderit	e with ch	alco, pyri	te									

GALLOWAI-BUL RIVER



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CU PB ZN NI CD PPM PPM PPM PPM

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DIAMO	NDBRILL/LOG	(Sec	ndary Page) 3 5	Project	Property:			
<u>Hole No:</u> From	n Io	DK.	4 <u>////?Page</u> of	Description	Sample No:	From	To	Width
1005	1091 (332	5)	Banded argillite with irregular stri @ 1047 (319.1m) 1/2" quartz/sideri	ngerlets of quartz te with pyrrhotite				
1091	1092 (332	.8)	Quartz/siderite and very minor chalo	opyrite @ 45° to core axis				
1092	1180 (359	.7)	Predominantly banded black argillite @ 1096 (334.1m) 2" syngenetic pyr 1115 - 1119 (340m - 341m) quartz 1139 (347.2m) zone of 60° quartz 1172 (357.2m) zone of 60° quartz 1175 (358.1m) zone of 60° quartz	rhotite /siderite 45° vein /siderite stringers /siderite stringers /siderite stringers				
1180	1181 (360)		Quartz/siderite vein - no sulphides					
1181	1252 (381	.6)	Banded black argillites with many sy	ngenetic pyrrhotite bends				
1252	1268 (386	.5)	Quartz/siderite stringerlets crossin Same, with minor pyrrhotite @ 1266 (385.9) 1-1/2" 70° quartz/s	g predominantly silaceous argillite. iderite vein				
1268	1358 (414)		Banded black argillite with bleb and @ 1304 very minor fault - slight	l syngenetic pyrrhotite (1/2") movement				
1358	1417 (431	.9)	Banded siliceous argillites					
1417	1519 (463)		Banded and black argillites					
1519	1527 (465)	.4)	Siliceous argillites and quartzites					
1527	1637 (499)		Banded argillites @ 1546 (471) syngenetic pyrrhotite @ 1564 (476.7) 1" quartz/siderite @ 1617 (492.9) 2" quartz/siderite	e stringer with pyrite and pyrrhotite stringer with pyrrhotite				
1637	1669 (508	7)	Black and banded argillite @ 1645 (501.4) 2 X 2" 45° quartz/	siderite veins.				

RHS

	DRILL LOG (Se BR4.92/93	econdary Page) Project	Property	GALLOW	AI-BUL	RIVER		•		<9	
From E	m To	Pager (X Description	Sample No	From	To	Width			Anal	y s i s	<u> </u>
1669	1673 (510)	Quartzite					Cu PPM	Pb ppm	Zn ppm	Ni Ppm	Cd ppm
1673	1792 (546.2)	Banded quartzites and argillites @ 1679 (511.8m) 1' (.3m) quartz, pyrrhotite, pyrite and possibly arsenopyrite 45° to CA @ 1687 (514.2m) 1/2" quartz/siderite veinlet @ 1791 (546m) 1' (.3) quartz/siderite 55° veinlet									
1792	1803 (549.6)	Black argillite with quartz/siderite stringerlets and syngenetic pyrrhotite									1
1803	1806 (550.5)	Quartz/siderite vein (45° to CA). Very tight brecciation hosting very minor chalco and pyrrhotite									
1806	1870 (570)	Banded argillites and quartzites									
1870	1872 (570.6)	Zone of veinlets of quartz with some siderite. Very minor pyrite and pyrrhotite									
1872	1899 (578.8)	Black argillite @ 1885 (574.5) 1' zone quartz/siderite horsetails with minor chalco. 1895 - 1899 (577.6 - 578.8) zone of horsetailing quartz/siderite and minor chalcopyrite									
1899	1916 (584)	Banded siliceous argillites		-							
1916	1976 (602.3)	Very fine grained argillaceous quartzites (volcanic ?) contains many blebs pyrrhotite, chalco and pyrite.									
1976	2118 (645.6)	Banded argillites with irregular syngenetic pyrrhotite (some with chalcopyrite)									
2118	2128	45° vein of blue grey quartz and very minor siderite. Minor chalcopyri and pyrrhotite 2121 - 2124 (646.5m - 647.4m) altered quartzite band 2124 - 2128 (647.4m - 648.6m) brecciated quartz/siderite vein @ 55° to CA containing very minor chalcopyrite and pyrrhotite	lte								

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DIAMOND	DIAMOND DRILL LOG (Secondary Page) Hole Nor BR4.92/93 Page: 5 of 5	RHS	Pmperty	GALLOWAI-BUL RIVER							
Hole No: 2 From a	n 10	Pager of S	Description	Sample No	From	To Width			Analy		~
2128	2257 (687.9)	Interbanded argillaceous @ 2205 (672m) 2" quart 60° veinlet 2253 (686.7m) 1" quar	quartzites and argillites z/siderite, arsenopyrite and pyrrho tz/siderite stringer @ 60° to CA	tite			Cu ppm	Pb ppm	Zn ppm	Ni ppm	Cd ppm
2257	2644	Interbanded quartzites an bands of pyrrhotite	d argillites with argillites hostin	g minor							
2644	2660 (810.8)	Hanging well marker zone. Zone of brecciated quar averaging 45° - 50° to c pyrite, chalcopyrite an @ 2658 (810.8) 4" 45° qu 2658 - 2660 (810.2m - @ 2660 (810.8m) 6" brec pyrrhotite	tz/siderite with veins and veinlets ore axis and containing very minor d pyrrhotite martz/siderite with pyrite and chal 810.8m) quartz vein ciated quartz/siderite with pyrite,	copyrite chalco and							
2660	2717 (828.14	Banded quartzites and arg	illites								
	2717 (828.14	END OF HOLD									

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DIAMOND DRILL LOG (Cover Page)

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DIAMORI	DUILL	LOG	(Cover raye)															
Hole No:	BR1.93	953	Paga: 1	1	d 4	. 3892 83m	Project		Property:	GALLOWAI-BU	L RIVER					-	$\langle G \rangle$	
Collar Elevation	<u>n (m)</u> .	raphy	A depth below	Pit #2 North	<u>location: Latitu</u> extensions	of BH Reserves	Departu		Dip	925 00-						_		-
Commenced:	July 13	199	³ Completed:	Oct. 7, 19	⁹³ ogged by:	Phil De Souza	Date	Nov. 2-3/94	Dip:	023.09m					<u> </u>			_
					Sampled br:		Date:		Bearing		· · · · · · · ·					-		
From m	n To	— —				Description:				Sample No:	From	To	Nidth			Analys	1 5	
0	240 (73.	15)	Dump and o	verburden	- cased									Cu ppm	Рв ррм	Zn ppm	Ni ppm	Cd ppm
240	293 (89.	30)	Fractured Sporadic f 251 - 27 (Alterat	quartzites iligree ve 6 (76.5m - ion Zone ?	:. Fine inlets 84.12m))	to very fin (stringers) Massive qu	e grain of quar artzite	ed becoming tz and side . No appar	massive prite rent grain.									
293	341 (103	.94)	Predominan with poo 322 - 33	tly Argill r core rec 0 (98.14m	ite. Ba covery. - 100.58	adly broken 3m) argillac	between eous qu	293 - 309 artzite (gr	(89.3 - 94.2) ey)									
341	386	Ì	Banded qua 344 - 34 357 - 36	rtzites. 7 (104.85m 4 (108.81m	Bands di 1 - 105.7 1 - 110.9	iffer marked 77m) Massive 95m) Massive	ly in g quartz quartz	rain size. ite - no ap ite - no ap	parent grain siz parent grain siz	. e	- -							
386	421 (128	.32)	Banded arg in argil	illites an lites. Pr	nd quart: edominar	ites with i tly argilli	ntermit te from	tent syngen 402 (122.5	etic pyrrhotite m)									
421	536 (163	.4)	Quartzites 421 - 42 423 - 43 434 - 44 442 - 44 447 - 48 489 - 53 fractu	5. Fine, v 3 (128.3m 4 (128.9m 2 (132.3m 7 (134.7m 9 (136.2m 36 (149m - are quartz/	very fine - 128.9r - 132.3r - 134.7r - 136.2r - 149m) 163.4m) 'siderite	e to massive n) Massive q n) Very fine n) Massive q n) Fine grai Very fine b Fine to ver e veining be	bandin uartzit graine uartzit ned and ut clea y fine tween 5	g e d quartzite e argillaceo rly bedded quartzites 06 - 517 (1	us quartzite quartzite with infilled 54.2m - 157.6m)									
536	538 (164)	Infilled f containi	racture ve ng pyrrhot	ein of qu tite and	artz, sider pyrite	ite vei	n 45° to com	ce axis									
538	548 (167)	Zone of qu core axi	artzite wi .s. 2 inch	th quart wide co	z siderite ontaining mi	vein se nor pyr:	mi parallel ite	to									
548	568 (173	.13)	Very fine 553 - 55	grained qu 66 (168.55m	artzite n - 169.5	ôm) Massive	quartzi	te - no app	arent grain									
568	717		Argillaceo	ous quartzi	tes. Ir.	nterbanding	of argi	llites with	varying									

GALLOWAI- BUL RIVER



DIAMONE	DRRAL LOG (S	econdary Page) 2 4 Project	Property:		-			
Hola No: From n	a To	1 9 Page of	Sample No. From To Width		-	Anal	y s i s	\sim
717	764 (232.9	Black argillite with well demarcated layering (syngenetic) of pyrrhotite and minor pyrite at 717(218.5m), 719(219.2m), 728(221.9m) and 733(223.4m	π)	Cu ppm	Pb ppm	Zn ppm	NI PPM	CI PPN
764	768 (234.1	Black argillite - very badly broken. No slickenside - no fault zone						
768	897 (273.4	Siliceous argillites in well defined bands with pyrite and pyrrhotite blebs in the purer argillite layers						
897	1130 (344.4	Argillites. Predominantly black with intermittent cross veining and fair high levels of iron mineralization in blebs and bands @ 922(281.1m) 6" quartz/siderite vein with minor pyrite. Syngenetic pyrrhotite bands @ 935 (285m), 944 (288m) and 956 (291.2m) 958 - 972 (292 - 296) Paralleling core axis, minor stringer of quartz/ siderite with some chalcopyrite (very minor) 972 - 976 (296 - 297.5) As above but very badly broken. No apparent sulphides.	Ъу					
1130	1166 (355.1	Banded siliceous argillites (light grey) with minor quartz siderite veining up to 1/2" wide. @ 1152 (351.1m) 1/2" 80° quartz/siderite stringer @ 1159 (353.3m) 1/2" 80° quartz/siderite stringer						
1166	1202 (366.3	Black Argillite with sporadic/syngenetic bands of pyrrhotite 7)						
1202	1327 (404.5	Banded siliceous argillites with varying degrees of iron mineralization in syngenetic bands and blebs of pyrite and pyrrhotite @ 1246 (379.5) 80° dip 1/2" wide quartz/siderite stringer @ 1251 (381.3) 80° dip 1/2" wide quartz/siderite stringer (possibly some semi-vertical string in both cases)						
1327	1698 (517.5	Predominantly black argillites with fairly high iron content in blebs and bands with numerous cross veining @ 1411 (430) 1" recemented fracture-quartz 1428 - 1433 (435.3m - 436.8m) fracture zone. Quartz/siderite infilling 1433 - 1438 (436.8m - 438.3m) Broken and compressed argillite. Much slickenside evident. (Fault zone ?) 1450 - 1466 (442m - 447m) Broken. Slickenside apparent. Fault, well defined syngenetic pyrrhotite bands at 1473 (449m), 1480 (451m), 1494 (455.4m), 1511 (460.6m) and 1512 (460.9m) 1548 - 1549 (472m - 472.1m) Quartz/siderite vein (45°)						

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DIAMOND		RHS Dendary Pagel	Property	GALLOWAI	-BUL RIVER					
Hola No: From m		Page: Of	Sample No	j From	lo Widt	· · · ·	_	Anal	y 8 i 8	
		<pre>@ 1552 (473m) quartz/siderite 1" wide vein @ 1613 (491.6m) 4", 60° chloritized quartz/siderite vein 1633 - 1638 (497.8m - 499.3m) very silty layer. Turbudite. 1642 - 1650 (500.5m - 502.9m) Beige turbudite @ 1679 (511.8m) 7 inch (0.18m) beige turbudite layer 1681 - 1686 (512.4m - 513.9m) beige turbodite layer @ 1688 (514.5m) 5" (0.13) beige turbodite layer.</pre>				Cu ppm	· Рв ррм	Zn ppm	Ni ppm	Cd ppm
1698	1972 (601.06)	Interbanded argillites and quartzites with sporadic cross veining and pyrrhotite in well developed slump structures @ 1865 (568.5m) 1/2"quartz/siderite semi vertical stringer @ 1902 (579.7m) 2-1/2" quartz/siderite planar stringer								
1972	1983 (604.4)	Tightly recemented (brecciated) chloritized quartz/siderite veining speckled throughout with minor sulphides (pyrite and pyrrhotit No apparent chalcopyrite	e).							
1983	2190 (667.5)	Banded argillites, varying (but low) silica content. Many sygenetic bands of pyrite/pyrrhotite up to 2" (0.05m) thick especially at 2118 (645.6m), 2126 (648m), 2140 (652.2m), 2135 (650.7m) and 2169 (661.1m) @ 2028 (618.1m) 1-1/2" (0.04m) quartz/siderite vein 45° @ 2066 (629.7m) 1/2" quartz/siderite/pyrrhotite stringer @ 50° to core axis @ 2151 (655.5m) 2" low angle quartz/siderite vein								
2190	2242 (683.4)	Quartzites								
2242	2365 (720.9)	Banded quartzites and argillites with from 2298 (700.4m) a zone of many (up to) 1/4" stringers of quartz and siderite					i 1			
2365	2377 (724.5)	Highly altered silicified argillite - contact zone								
2377	2565 (781.8)	Fine grained greenish (hornblende) possibly chloritized dyke Dyke contains quartz phenocrysts (up to 1 cm) dyke generally dioritic. @ 2378 (724.8) 2" (0.05) semi vertical quartz, pyrite and pyrrhotite 2417 - 2418 (736.7m - 737m) strongly defined vein of quartz, pyrite and pyrrhotite at 45° to core axis. Unknown as to conformity with lost dyke								

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)	RHS	·	G	ALLOWAI-	BUL R	IVER			
ondary Page) ⁴	4	Project		Pmpedy:						
Page:		Description		Sample No:	From	То	Width		•	An al
2507 - 25	509 (764.lm - 764	.7m) markedly coarser grain s	ize					Cu	Рв	ZN
Highly altere	ed contact zone.	Definite chloritization with	in silicified					PPM	PPM	

Analysis

NI CD PPM PPM

		argillites			
2650	END	Fine grained green (hornblende) diorite dyke @ 2672 (814.4m); 1 ft (0.31m) quartz/siderite vein			
		END OF HOLE @ 2707' (825.09m)			
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DIAMOND DRILL LOG (Secondary Page) 4 Hole No: BR 1-93 Page: From m To

2650

2565

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8. Results and Conclusions.

The casing for BR1.94 was successfully set on Bedrock at 126.5 metres (415ft) having encountered bedrock initially at 122 metres. See Long Section, Fig 5. With the data from this hole (in 1991), it was determined that 3 to 4 metres of progressively cleaner boulder cuttings would be required to ensure that true bedrock had been reached. The hole is presently being successfully advanced with a diamond drill, the drilling of which will be reported separately upon its completion.

BR1.93 together with Placid Hole PL128 has clearly identified the apparent dip direction of the host argillites near the surface. See Cross Section, Fig 6. Utilising these observations, we can extend our knowledge southwards to the relatively barren inclined BR4.90 hole whose lack of mineralization was most noted in comparison to the large mineralized widths in BR5.90 (drilled vertically at BR4.90's inclined collar. The upper part of BR4.90 conforms well to the ground intersected by BR1.93 when the structures are extended up dip. BR4.90 cut a zone of heavy faulting between 215 and 260 metres in black argillite (there were indications of pre-fault vein sulphides in this area). BR1.93 intersected strong faulting at 438 metres also co-incidentally in black argillite. A linking of the two intersections provides a fault line identical to that surmised as existent between BR4 and 5.90 and exactly in the right location as one surmised as having cut the property in an east-west direction separating all Placid Open Pit reserves from their outlined underground reserves and from all reserves delineated since by the Stanfield Group. Figure 7 providing details of BR4.92/93 (see below) identifies the presumed location of this fault some 370 metres to the east of the BR1.93 section. The significance of the Dyke material at depth in BR1.93 is as yet not understood. Petrographic work will be undertaken when budgets allow.

BR4.92/93 (see Cross Section, Fig. 7). This hole located the double down dip extension of near surface intersections from earlier drilling. This latest intersection at +/- 290 metres adds considerably to our sectional knowledge of the Gallowai Bul River vein systems. Allowing for the offset in strike direction ("in front" to "behind" the section), it is clear that the intersection made by Placid Oil with their hole 133 is the strike extension, and not a faulted offset, of the intersection made with BR4.92/93. BR4.92/93 did not locate other structures at depth that would correspond to those located in BR9.90, BR5.90, BR5.91 and BR1.91 to the west. Such a lack of structures at depth tends to support the hypothesis that apart from the east-west (strike) discontinuity referred to in the discussion on BR1.93 above, there is also a north-south (dip) discontinuity which may be fault or dyke related and has only been recognized in the past by the barren block separating the two pits - see Figure 4. Cross Section 7 also shows the expected location of the east-west trending fault referred to in the above section based on total observations to-date at Gallowai Bul River.











GALLOWAI BUL RIVER MINE







BR2.93/94



TRANSVERSE SECTION across BR5.89 - BR4.92/97

Scale 1:20 (imperial)

Fig. 7









At the western edge of the outlined mineralization, drill hole BR2.92 may be considered one of the most successful of the recent Stanfield deep drill holes. Figure 8 provides a cross section at this location. Previously, mineral reserves were outlined with reasonable certainty up to a section 150 metres to the east of BR2.92. Strike extension to the west was indicated by exploration drill hole BR12.90. With the drilling of BR2.92 which intersected nine zones of interest, the five strong zones indicated to the immediate east have all been extended west through this section. 0.22% copper as an assay high from this hole to-date, indicates vein continuity to the west. Other assay splits from the mineralized zones of this hole are yet to be made. Overburden depths as well as the nature of the overburden itself which contains large flat lying boulders in an easily liquefiable matrix preclude the possibility of drilling inclined holes with the Rotary Percussive machinery available to the Stanfield Group. Otherwise the drilling of a low angle hole to intersect the various veins at higher angles would be completed. Also, overburden depths prohibit a high density drill programme from surface through cost considerations. However, the Stanfield Group are leaving the percussed casing in the ground so as to facilitate re-entry for wedged offset drilling to achieve a higher drill density at a future stage.

In the right-centre of the mineralized zone, BR1.92 drill hole was completed. It is drilled on the eastern edge of the Placid tailings dam and was successful in locating the rich main zone identified in earlier Stanfield and Placid Drilling. The intense quartz/carbonate/breccia zone extending from 82.2 to 94.8 metres has to be systematically sampled as the degree of chalcopyritization is at times uncommonly high. The more glassy zones particularly at 254 metres and 395 metres must be analyzed for their gold potential. This hole conforms with the findings of Placid Hole 109 which gave, among other assays, the following results:

from	width (m)	width analysis										
(m)	(m)	Cu%	Pb%	Au o/t	Ag o/t	Zn%	Mo%					
72.54	.61	1.139	0.005	Tr	0.460	0.005	0.005					
73.15	.61	1.055	0.002	Tr	0.294	0.006	0.003					
73.76	.61	0.472	0.001	0.570	0.368	0.008	0.010					
75.59	.61	0.889	0.003	Tr	0.368	0.006	0.005					
76.20	.61	8.333	0.003	0.180	1.860	0.003	0.003					
76.81	.46	2.556	0.005	0.374	1.140	0.001	0.005					

8. Statement of Costs.

A. **DIAMOND DRILLING COSTS;**

The following tabulation lists the costs by Hole. Notes below provide individual figure breakdowns where necessary.

	1.92	2.92	4.92/93	1.93	
Background					
drilling days	drilling days 30		59	59	
period days	36	81	227	99	
driller r&b days	36	62	61	79	
total depth	1874	2867	2717	2711	
d/d depth	1624	2143	2160	2471	
Directs					
Owning & Operating costs(\$/ft) ¹	25.684	25.684	25.684	25.684	
direct Total \$	41,710.82	55,040.81	55,477.44	63,465.16	
Indirects					
drillers wages	12,427.50	24,828.36	24,465.10	25,977.60	
r&b @ 65/d/man	4,680.00	8,060.00	7,930.00	8,840.00	
foreman wages/r&b ⁽²⁾	9,540.00	16,986.50	20,564.00	18,258.00	
consultant fees	1,200.00	1,200.00	1,200.00	1,200.50	
Anciliaries					
drillers 4x4	1,500.00	3,000.00	2,950.00	3,000.00	
foreman 4x4 ⁽²⁾	1,800.00	3,195.00	3,880.00	3,495.00	
consultant vehicle	150.00	150.00	200.00	150.00	
Drill Pipe Truck	1,200.00	2,400.00	3,120.00	3,600.00	
Pump Sloop	300.00	600.00	780.00	900.00	
Case Backhoe ⁽³⁾	1,008.00	1,344.00	1,680.00 ⁽⁴⁾	1,344.00	
Tractor ^(#)	3,200.00	3,200.00	3,360.00	3,520.00	
Tractor standby ⁽⁹⁾	1,456.00	3,136.00	2,632.00	3,388.00	
Special					
line heating costs ⁽⁷⁾	187.40		119.50		
TOTAL COST	80.359.72	123 140.67	128 358 04	137 138 26	
101AE 0031	00,000.12	120,140.07	120,000.04	107,100.20	
		••••••••••••••••••••••••••••••••••••••			

Notes:

(1)

Owning and Operating costs comprise

Machine String and Bits @ 13.985 \$/ft

Moving, Aligning, Surveying, pumping @ 0.938 \$/ft

Anciliary Charges @ 50% industry average, (0.5965 of above), 8.885 \$/ft plus, a Contingency Allowance (8% of above), 1.903 \$/ft

Applied at full except at 10% per diem during driller breaks or when drilling suspended (2)

- (3) @ \$336 per diem. One day set-up, one day de-mob and one day per 1000' of drilling for sumpage
- (4) Plus extra day at restart
- (5) Cat D7E (or AC16) @ \$880 (800) per diem x 4 per hole

(6) Standby to cover Snow Ploughing, road maintenance, job assistance etc @ 7% normal rental (no standby operator) (7)

An allowance of 0.1\$/ft of winter drilling is provided to cover heater associated costs

B. ROTARY PERCUSSION DRILLING COSTS;

Drill Hole (Percussion)BR1.94 only.

GENERAL INFORMATION						
Drilling Dates Contractor Crew Contractor Equipment	July 17 to July 19 inclusive 1994 Schmidt Drilling Ltd., PO Box 98, Tees, Alberta TOC 2N0 D. Schmidt, B. Watt, W. Giesenger Ingersol Rand TH60 Truck Mounted Rotary/Percussion Drill Rig Western Star Flatbed, 1000gal Tanker and Pipe Truck Gardner Denver 5x8 Duplex Mud Pump - trailer mounted 915 Weldco Casing Hammer Truch Obed Casing Hammer					
Company Equipment	Case 580D 4x4 Extended Boom Backhoe D7E Caterpillar F250 Bush Box 4x4 Pickups					
Direct Costs			Indirect Costs			
Mob & Demob Drilling Cost @ 30\$/ft 415ft 4.5* 156 Wall Casing	g @ #3.20/ft	1,000.00 12,450.00 1,328.00	r&b @ 65\$/man/day - 3 men for 3 days Foreman r&b + wage for 3 days Consultant costs Foreman Vehicle - Health & Safety Spare 4x4 D7E Cat - 3 days Case 580 D Backhoe - 3 days	585.00 870.00 800.00 450.00 50.00 2,640.00 1,008.00		
Total D	Irect Costs	14,778.00	Total Indirect Costs	6,403.00		
Total Cost - Rot/Perc 1.94			\$21,181.00			

C. TOTAL PERIOD DRILLING COSTS;

Diamond Drilling (from "A" above)	\$	468,996.69
Rotary Percussion Drilling (from "B" above)	<u>\$</u>	21,181.00

<u>\$ 490,177.69</u>

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Job#: 94-182

Project:

								Acid Sol
	Sample	Cu	Pb	Zn	Ni	Cđ	Mo	Fe
	Number	સ	ppm	ppm	ppm	ppm	ppm	*
	(4951 966-2'	2.60	4	620	12	10.4	5	6.0
	4952 968-2'	1.94	220	510	92	10.2	6	8.5
400/0	4953 970-2'	5.00	370	1180	87	28.7	4	12.4
r 793	4954 972-2'	1.72	300	450	98	8.6	6	12.3
,	4955 981-3'	1.13	4	240	19	3.7	10	3.6
	4956 984 - 2'	6.80	740	1570	72	29.4	6	13.0
	4957 986 -2'	1.88	108	650	43	19.0	5	7.1
	/د-4958 998	0.45	5	62	18	1.0	10	3.5
	4959 990 - 2'	0.37	3	106	35	1.9	10	2.6
	14960 353-2'	6.80	840	2100	135	18.4	7	12.4
	4961 355-2'	3.90	490	910	360	9.3	7	17.0
	4962 357 - 2'	4.00	105	970	157	11.1	ġ	8.5
2.98	4966 372 - 212	11.7	1660	3600	340	21.0	5	16.6
-7-5	4967 3741/2-2/2	5.10	810	370	97	2.4	9	7.7
	4968 377 - 2'	4.10	1660	950	51	6.0	8	8.9
	4969 381-2'	3.50	250	670	350	4.7	5	20.0
(4970 383- 2'	10.0	32	700	32	5.4	5	11.8

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TERRAMIN RESEARCH LABS Ltd.

Job No: 95-012

Client: R.H. Stanfield Project:

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Sample		Cu	РЬ	Zn	Ni	Cd	Мо	Fe
Number		ppm	ppm	ppm	ppm	ppm	ppm	%
BR-7-91	4605	15	26	26	27	0.1	12	2.8
BR-7-91	4608	108	25	20	126	0.1	7	9.7
BR-1-92	4611	139	87	124	17	0.8	14	1.92
BR-1-92	4617	121	6	19	12	0.1	10	7.7
8R-1-92	4621	13	4	3	6	0.1	4	1.5
BR-1-92	4622	82000	20	1410	22	15.6	4	8.6
BR-1-92	4623	910	3	57	9	ð.0	7	2.5
BR-2-02	4655	4000	1	44	18	0.5	10	7.5
BR-2-92	4658	121	Э	25	9	0.1	10	7.1
\$R-2-92	4661	420	2	19	13	0.1	12	6.8
8R-2-92	4665	210	1	9	4	0.1	11	6.3
BR-2492	4674	760	3	50	14	0.1	4	11.1
BR-2-92	4691	500	13	8	51	0.1	13	4.4
BR-2-92	4692	2200	2	15	34	0.1	13	4.1
BR-2-92	4693	520	3	19	20	0.1	14	6.3

CERTIFICATE

February 9, 1995

I, Phil D. de Souza, certify that:

I am a graduate of the Camborne School of Mines, Cornwall, England and that I hold the degree of ACSM First Class in Mining Engineering therefrom.

I am a member of the Canadian Institute of Mining and Metallurgy and a member of the American Institute of Mining, Metallurgical and Processing Engineers.

I am a licensed Professional Engineer of the provinces of Alberta, British Columbia and Ontario, Canada and have been practising my profession for the past thirty years.

This Assessment Style Report for PAC credits on Steeples Group 1C for the R.H. Stanfield Group, Fort Steele Mining Division, British Columbia, is based on my direct project involvement in site selection, core examination, logging and Assay splitting.

I certify that neither I nor my Associates or Partners hold any interest or securities in any of the four corporations owning an interest in the properties, nor do I, or we, expect to receive any, directly or indirectly.

D. de Souza Phil D. de Souza, A.C.S.M. ነወ Mining Engineer