TULSEQUAH CHIEF MINE, NORTHWESTERN B.C.

1992 EXPLORATION PROGRAM:

DIAMOND DRILLING, GEOLOGY

and

RESERVE ESTIMATION

Marcie 3 (203388), Ross (203796), River Fr. (L5669),
Tulsequah Bonanza (L5668), Tulsequah Chief (L5670),
Tulsequah Elva Fr. (L5679), Birds (203794),
Tulsequah Bald Eagle (L5675)
Pat (203795)

ATLIN Mining Division

NTS 104K/12
Latitude: 58°43' N, Longitude: 133°35' W

Owner and Operator:

REDFERN RESOURCES LTD.
205-10711 Cambie Road
Richmond, British Columbia
V6X 3G5

Consultants:

CAMBRIA GEOLOGICAL LTD.
1531 West Pender Street
Vancouver, British Columbia
V6G 2T1

By

P.J. McGuigan
G.L. Dawson
W.D. Melnyk

PART 3 OF 6

June 2, 1993

VOLUME 2

APPENDIX 6

DIAMOND DRILLING RE-LOGS, ASSAYS and GEOCHEMICAL DETERMINATIONS (1987-1989)

Hole No: TC-87-1
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15508.10
(metres) E: 10603.70

Azimuth: 135.0
Dip: -55.0
Length (m): 623.32
Elevation: 460.20
(metres)
Purpose:

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: SEPT. 27, 1987
Completed: OCT. 13, 1987
Recovery:

Date Logged: SEPT. 28, 1987
Logged By: H. KANG
Date Re-logged: SEPT.15 to OCT.22, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993
4:18am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	135.0	-55.0															
152.4	132.0	-54.0	355.7	139.0	-51.0	508.1	139.0	-49.0	623.3		-48.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
5.49	9.14	BASALT ASH TUFF: Medium green colour, well-sorted coarse ash to fine sub-rounded lapilli; well-bedded ash intervals from 65° to core axis at top to ~45° to core axis at bottom; pervasive weak to moderate propylitic alteration (dominantly chloritic); ~20% of fragments are dark grey to black rock fragments.										
9.14	38.40	BASALT FLOW: Apple green to dark green-grey, moderate to strong propylitic altered fragmental flow breccia with medium-grained, weakly amygdaloidal flow components and basalt to andesite lapilli tuff components; patchy zones of epidote, minor chlorite; local irregular calcite veins and veinlets; trace to 2% jasper; lower 11.7 metres is veinleted, strongly propyltic altered flow.										
25.00	26.67	VOLCANIC SEDIMENTS: Variably greenish to red brownish, bedded ash tuff (waterlain); bedding at 70° to 90° to core axis; contacts are weakly sheared, irregular, with rapid changes over ~10cm.										
38.40	64.30	BASALT FLOW: Medium green, fine to medium-grained basaltic to andesite flow; weakly calcite or chlorite amygdaloidal; generally homogeneous throughout; moderate propylitic alteration with calcite filled veins and veinlets, associated with quartz-epidote and rare pink to pale milky pink rhodonite.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		45.87 48.77 FAULT Strongly fractured core with limonitic surfaces.										
64.30	75.60	VOLCANIC SEDIMENTS: SILICIFIED Fine-grained to aphanitic, medium green-grey colour, moderately siliceous, faint internal alignment or bedding at variable angles to core; contacts are indistint as core is broken and locally blocky (low RQD). 68.28 69.95 FAULT Broken core.										
75.60	78.80	BASALT UNDIFFERENTIATED: Dark grey basaltic interval with 10-15% white anhedral to subhedral feldspar phenocrysts from 1-2mm dia.; interval is weakly fractured and filled with calcite or quartz as fine veinlets; lower contact is sharp and irregularly sheared at ~45° to core axis.										
78.80	83.50	VOLCANIC SEDIMENTS: SILICIFIED Same as above interval from 64.30 to 75.60 metres; lower contact is sharp at 60° to 70° to core axis.										
83.50	87.15	BASALT UNDIFFERENTIATED: Same as above interval from 75.60 to 78.80 metres; up to ~25% feldspar phenocrysts; lower contact is sharp but irregular.										
87.15	94.00	VOLCANIC SEDIMENTS: SILICIFIED Similar to above interval from 64.30 to 75.60 metres; bedding is locally distinct at 35° to 45° to core axis; trace elongate rounded blebs of syngenetic pyrite (~3cm long); rare light grey beds up to ~5cm wide; lower 1 metre is coarse-grained ash; lower contact is sharp at 60° to core axis.										
94.00	115.80	BASALT LAPILLI TUFF: Mixed interval with rapid changes from basaltic lapilli tuff to feldspar porphyritic basaltic breccia-sized fragments (up to ~1m) to bedded, moderately siliceous, light to dark grey argillite or waterlain ash tuff; probable ash fall deposit into sedimentary basin; bedding is strongly contorted (possible slumpage).										
115.80	180.70	BASALT FLOW: Medium green, fine to medium-grained basaltic flow; similar to that described above from 38.40 to 64.30 metres, with rare calcite amygdules; 2-5% chlorite as possible amygdules, however others are elongate, anhedral and rarely prismatic, chlorite-replaced hornblende crystals; interval is weakly cut by calcite and quartz (and rare, brown garnet) veins and veinlets up to ~10 cm wide; pervasive weak to moderate chlorite alteration of groundmass; lower 50 cm is strongly contorted around fault contact.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
180.70	186.70	FAULT Upper contact is sharp at 40° to core axis; zone is intensely sheared to dominantly clay gouge; locally re-healed by calcite veinlets; zone is pale greyish-green, dominantly chlorite-clay, with variable angles of shearing and foliation.										
186.70	190.20	BASALT FLOW: Continuation of unit described above from 115.80 to 180.70 metres; dark green to black, strongly chlorite altered and intensely fractured from above fault.										
190.20	197.05	VOLCANIC SEDIMENTS: Very fine-grained, well-bedded to finely laminated light greyish green to very dark grey, non-silicified; upper and lower contacts are sharp but irregular; bedding is consistently 50° to 60° to core axis; trace pyrite throughout from very fine to coarse euhedral cubes (~0.5cm); local crush zones and fine tension gashes filled with calcite, related to above fault.										
197.05	238.65	BASALT FLOW: Medium to dark grey-green, fine to medium-grained basalt to andesite flow with ~5% dark green chlorite as rounded, circular amygdules (0.5-1 cm dia.), and as subhedral to euhedral lath-like amphibole crystals (replacing hornblende); weakly fractured by calcite-chlorite veinlets with rare hematite; occasional earthy white prehnite in rare fractures; lower contact is rapid over 10 cm, marked by minor brecciation and strongly magnetic, bright to dark red hematite. 217.00 219.75 BASALTIC DYKE: Zone of three narrow, light greyish green, fine-grained dykes with sharp, irregular contacts; moderately cut by quartz-calcite veinlets. 229.82 230.58 FAULT Orange ankeritic stained zone with local 10cm wide crush-gouge zones; entire interval is strongly cut and/or brecciated by quartz-carbonate veinlets; trace pyrite.										
238.65	244.00	DACITE LAPILLI TUFF: CHLORITIC Light greyish-green dacitic fragmental, dominantly lapilli-sized fragments with minor coarse ash-sized fragments, welded and elongated; interval is characterized by 1-2% red hematitic fragments ~5mm, rounded to whispy lenticular; angles to core of local fragmental alignment are variable but average 45-50° to core axis; local prehnite-calcite filled crush zones at 240.80-240.90 metres and at 243.70-243.80 metres; lower contact sharp at 55° to core axis.										
244.00	262.25	DACITE ASH TUFF: Very fine-grained, dark greyish (waterlain?) dacite ash tuff, weakly laminated at 50° to core axis, coarsening downwards from ~251 metres to coarse dacite ash tuff then to lapilli tuff similar to above interval from 238.65 to 244.00 metres, only less hematitic and more chloritic;										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number

lower contact is crushed and faulted, weakly gougy.

262.25 279.80 VOLCANIC SEDIMENTS: HEMATITIC
Medium grey to hematitic maroon grey or green grey; very fine-grained, well bedded to thinnly laminated at 45° to 70° to core axis; local layers of coarse-grained epiclastic (wacke) over thicknesses of 20 to 50 cm; rare lapilli; lower contact sharp at 50° to core axis.

279.80 296.65 DACITE FLOW: HEMATITIC
Maroon grey feldspar phyric dacite flow, dominantly flow brecciated and fragmental; local greyish to grey green and chloritic; locally albite flooded; entire interval is cut by very fine hairline fractures.
294.80 295.70 BASALTIC DYKE: Dark green-grey; fine-grained; upper contact is sharp at 30° to core axis; lower contact is sharp and brecciated at a low angle to core axis (~20°).

296.65 300.25 BASALTIC DYKE:
Medium to dark grey-green, fine-grained dyke with trace to 1% disseminated pyrite; non-magnetic;.

300.25 335.15 DACITE LAPILLI TUFF:
Medium to dark grey-green dacite fragmental with rounded to sub-rounded fragments, generally feldspar phyric; patchy maroon and green zones of hematite and chlorite; weak local off-white coloured, albite flooded zones; lower contact is sharp at 20° to core axis, strongly brecciated.

335.15 343.90 BASALTIC DYKE:
Medium to dark grey-green, fine to coarse-grained andesite dyke; strongly magnetic; chilled margins; lower contact is sharp at 50° to core axis.

343.90 414.30 DACITE LAPILLI TUFF:
Medium to dark green to grey, dominantly dacite lapilli fragmental with occasional (~10-15%) large blocks (~0.5-2.0m) or flows of feldspar porphyry dacite; lapilli fragments are fine to medium sized, subrounded to well-rounded, variably greenish grey and chloritic, or vaguely feldspar porphyritic; fragmental textures are generally distinct with local mottling by beige-grey albite flooding; local weak, late chlorite veinlets with whitish albite haloes; very rare traces of fine, red hematite grains.
389.50 392.25 Zone of strong, white quartz veining at low angle to core axis (~10-20°) with minor brecciation, weakly cut by chlorite-albite veinlets.

414.30 520.25 BASALT UNDIFFERENTIATED:
Dark grey-green, medium to coarse-grained, massive feldspar phyric basalt; feldspar phenocrysts are sub to euhedral, ~.5 to 2mm long, varying from 2% to ~25%; rare magnetite-chlorite veinlets; interval is

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		rarely cut by narrow quartz-magnetite veinlets up to 1.0 cm wide; interval is fine to medium-grained towards bottom; feldspars are same colour as matrix and visible in oblique light; lower 20 metres is fine-grained, dark grey, possible multiple dyke intrusions.										
		456.45 464.95 BASALTIC DYKE: Fine-grained, dark grey to dark green-grey dyke with sharp upper and lower contacts both at 30° to core axis; moderately to strongly cut by quartz-epidote magnetite veins at 20° to 50° to core axis; possible multiple intrusions of dykes; this rock type may be the same as seen in TCU92-46 from ~58 to ~107 metres.										
		492.70 498.60 BASALTIC DYKE: Fine-grained dark grey to dark grey-green, weakly magnetic, massive basaltic dyke; upper contact is sharp at 20° to core axis; lower contact is sharp and irregular.										
520.25	552.30	DACITE FLOW:										
		Mottled light to dark grey feldspar phyric dacite flow; weakly altered flow is medium to dark grey with ~10% white, sub to euhedral feldspar phenocrysts ~1mm long, evenly distributed throughout; 40-50% of interval is mottled with patchy light grey to pale green-beige albite flooding which makes phenocrysts vague; weakly cut by thin calcite-epidote veinlets with albite haloes; at 548.45 to 548.48 is red magnetic hematite band with sharp irregular contacts at high angle to core; rare euhedral pyrite cubes ~1-2mm; trace disseminated and fine veinlets of pyrite over lower ~7 metres; increasing chlorite-epidote fractures over lower 7 metres.	R8720569	544.07	544.68	.61						
			R8720570	544.68	546.05	1.37						
			R8720571	546.05	547.27	1.22						
			R8720572	547.27	547.73	.46						
			R8720573	547.73	549.25	1.52						
			R8720574	549.25	550.77	1.52						
			R8720575	550.77	551.38	.61						
			R8720576	551.38	552.45	1.07						
		539.80 542.20 DACITE LAPILLI TUFF: Medium to dark grey green dacite fragmental with trace sub-rounded chert fragments (grey); non-feldspar phyric with rare veinlets or flooded patches of albite; trace disseminated pyrite.										
		542.20 543.15 BASALTIC DYKE: Fine-grained, dark grey to black basaltic dyke, weakly feldspar phyric; moderately magnetic; upper and lower contacts are irregular at approximately 50° to 70° to core axis.										
		545.23 546.00 BASALTIC DYKE: Fine-grained, dark grey to black basaltic dyke; contacts are sharp and irregular (same as above dyke).										
552.30	556.25	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE										
		Dacitic fragmental, strongly sericite altered with 10-20% rounded to lenticular pyrite fragments from 0.5 to 5 cm long; trace to 1% light grey to white chert fragments; 5-10% disseminated to massive red-brown and black-jack sphalerite as possible matrix to fragments; trace to 1% disseminated galena; 1-2% chalcopyrite in thin, late, cross-cutting veinlets or irregular masses.	R8720577	552.45	554.13	1.68	.04	1.21	.45	.26	2.20	
			ZAB	552.45	560.07	7.62						
			R8720578	554.13	554.58	.46	.05	1.43	.72	.52	2.90	
			R8720579	554.58	554.74	.15	.14	3.38	3.80	.70	5.40	
			R8720580	554.74	556.11	1.37	.03	.92	.58	.36	2.16	
			R8720581	556.11	556.26	.15	.17	20.65	.52	11.80	17.50	
		.00.00 0.										
556.25	560.10	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		Dacite fragmental, strongly sericite altered; similar to above interval, with finer fragments, locally laminated at 65-70° to core axis; ~5-10% fine disseminated pyrite intermixed within sericitized tuff which supports ~20% rounded to sub-angular grey chert fragments; local intervals of 10 to 30 cm whitish grey chert; 1-3% disseminated red-brown sphalerite; trace to 1% galena; ~1% disseminated and veinleted chalcopyrite.	R8720582	556.26	557.78	1.52	.03	.94	.31	.28	1.52	
			R8720583	557.78	559.31	1.52	.04	.87	.37	.19	1.13	
			R8720584	559.31	560.07	.76	.05	1.20	.53	.49	2.50	
			R8720585	560.07	560.83	.76						
560.10	564.50	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Light to medium grey green, strongly siliceous, cherty fragmental with ~5% disseminated and fragmental pyrite; strongly chlorite fractured; moderate albitization; no base metal sulphides observed.	R8720586	560.83	562.05	1.22						
			R8720587	562.05	562.81	.76						
			R8720588	562.81	564.49	1.68						
564.50	565.70	SLOKO RYHOLITE DYKE: Light grey to beige, fine-grained to aphanitic rhyolite dyke; flow-banded throughout with ~2% fine black specks; sharp contacts; upper contact at 60° to core axis, parallel flow-banding; lower contact at 60° to core axis.										
565.70	572.25	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE Up to 80-90% of core is missing from interval; remaining pieces of core are strongly sericitized dacite(?) ash tuff with intermixed fine disseminated pyrite (10-30%), with 2-20% dark grey sphalerite and minor (trace to 2%) galena; local thin cherty horizons and broken laminations.	R8720589	565.71	566.01	.30	.05	1.54	.68	.20	1.10	
			Z13	565.71	566.01	.30						
			ZAC	566.01	572.26	6.25						
			R8720590	566.01	566.47	.46	.26	3.89	3.00	1.70	12.10	
			R8720591	566.47	567.69	1.22	.16	7.19	1.80	1.03	5.50	
			R8720592	567.69	567.99	.30	.31	18.14	1.26	7.20	22.00	
			R8720593	567.99	568.76	.76	.12	3.97	1.08	.40	2.90	
			R8720594	568.76	569.52	.76	.17	7.64	1.10	2.52	7.05	
			R8720595	569.52	569.82	.30	.24	10.69	1.65	3.60	11.50	
			R8720596	569.82	570.59	.76	.19	6.32	1.22	4.05	8.50	
			R8720597	570.59	572.26	1.68	.27	7.33	.92	4.00	8.05	
572.25	606.85	BASALT ASH TUFF: PROPYLITIC Very dark green-grey to black, very fine-grained basaltic ash tuff, very hard (H>5) with ~10% lapilli to breccia-size fragments, rounded and commonly feldspar porphyritic (possible dacite fragments); other fragments are scoriaceous with chlorite-quartz filled amygdules; pervasive moderate propylitic alteration; local intense chlorite foliated around large fragments; moderate to strongly magnetic; local quartz-chlorite-magnetite veinlets.	R8720598	572.26	573.02	.76						
			R8720599	573.02	574.55	1.52						
		598.63 599.40 FAULT Pale green-grey bleached fault zone with narrow (1-2cm) gouge zones; moderately fractured, and filled with earthy white prehnite; upper contact is broken core chips; lower contact is sharp at 65° to core axis.										
606.85	623.32	BASALT FLOW: Similar to above unit; very dark green grey to black, very fine-grained										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		basalt flow with 1-2% white, round, circular to ovoid, quartz-filled amygdules; occasional (~5-10%) rounded to sub-rounded flow breccia blocks of apparently same composition, however slightly bleached to dark grey-green with chlorite filled amygdules; trace to ~2% fine whitish subhedral feldspar phenocrysts throughout; upper contact is marked by 10cm wide quartz-epidote-chlorite vein; entire interval is moderately magnetic.										
623.32		EOH										

Hole No: TC-87-1
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15508.10
(metres) E: 10603.70

Azimuth: 135.0
Dip: -55.0
Length (m): 623.32
Elevation: 460.20
(metres)
Purpose:

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: SEPT. 27, 1987
Completed: OCT. 13, 1987
Recovery:

Date Logged: SEPT. 28, 1987
Logged By: H. KANG
Date Re-logged: SEPT.15 to OCT.22, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993
10:00pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8720569	544.07	544.68	.61		.00						26	<.4	69	26	93						
R8720570	544.68	546.05	1.37		.00						46	.5	78	44	268						
R8720571	546.05	547.27	1.22		.00						272	18.2	1610	509	3080						
R8720572	547.27	547.73	.46		.00						76	1.3	238	98	607						
R8720573	547.73	549.25	1.52		.00						40	.8	159	48	509						
R8720574	549.25	550.77	1.52		.00						<10	<.4	137	17	324						
R8720575	550.77	551.38	.61		.00						20	.6	84	76	153						
R8720576	551.38	552.45	1.07		.00						28	.9	179	106	532						
R8720577	552.45	554.13	1.68	2.94	36.66	.03	1.08	.45	.26	2.20	862	38.0	5200	3290	>23100						
R8720578	554.13	554.58	.46	2.94	48.98	.04	1.28	.72	.52	2.90	1016	42.8	8100	4430	>31700						
R8720579	554.58	554.74	.15	2.94	139.17	.12	3.02	3.80	.70	5.40	3600	110.9	>41100	6640	>47600						
R8720580	554.74	556.11	1.37	2.94	33.79	.02	.82	.58	.36	2.16	796	28.5	5510	3390	>21350						
R8720581	556.11	556.26	.15	2.94	271.31	.15	18.44	.52	11.80	17.50	2600	>685.0	5090	>15500	>62500						
R8720582	556.26	557.78	1.52	2.94	26.11	.02	.83	.31	.28	1.52	584	30.5	>29300	2880	>16450						
R8720583	557.78	559.31	1.52	2.94	27.64	.03	.78	.37	.19	1.13	726	26.6	3410	1870	9210						
R8720584	559.31	560.07	.76	2.94	43.31	.04	1.07	.53	.49	2.50	620	32.3	5250	4290	>23700						
R8720585	560.07	560.83	.76		.00						<10	.9	41	39	291						
R8720586	560.83	562.05	1.22		.00						24	.6	72	37	340						
R8720587	562.05	562.81	.76		.00						260	9.4	292	221	443						
R8720588	562.81	564.49	1.68		.00						24	2.6	141	80	749						
R8720589	565.71	566.01	.30		36.16	.04	1.38	.68	.20	1.10	1174	40.6	5760	1680	8090						
R8720590	566.01	566.47	.46	3.81	217.07	.23	3.47	3.00	1.70	12.10	7000	>124.0	>34800	>18450	>12500						
R8720591	566.47	567.69	1.22	3.81	132.82	.14	6.42	1.80	1.03	5.50	2860	>195.0	>16000	>11250	>50120						
R8720592	567.69	567.99	.30	3.81	335.10	.28	16.19	1.26	7.20	22.00	>11000	>600.0	>12400	>72500	>03500						
R8720593	567.99	568.76	.76	3.81	85.15	.11	3.55	1.08	.40	2.90	1632	>117.0	9270	3950	>27100						
R8720594	568.76	569.52	.76	3.81	146.35	.15	6.82	1.10	2.52	7.05	3800	>222.0	9940	>26400	>65500						
R8720595	569.52	569.82	.30	3.81	215.49	.21	9.55	1.65	3.60	11.50	6400	>301.0	>16900	>35300	>06500						
R8720596	569.82	570.59	.76	3.81	165.56	.17	5.64	1.22	4.05	8.50	3400	>186.0	>10510	>37100	>71000						
R8720597	570.59	572.26	1.68	3.81	186.73	.24	6.55	.92	4.00	8.05	4600	>217.0	7900	>41700	>81000						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8720598	572.26	573.02	.76		.00						22	1.9	84	210	422						
R8720599	573.02	574.55	1.52		.00						20	1.4	39	155	257						

Hole No: TC-87-2
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15327.30
(metres) E: 10529.30

Azimuth: 135.0
Dip: -55.0
Length (m): 680.40
Elevation: 393.10 (metres)
Purpose:

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started:
Completed:
Recovery:

Date Logged:
Logged By: H. KANG
Date Re-logged: AUG.26-SEPT.7, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:18am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	135.0	-55.0															
61.0	133.0	-56.0	121.9		-56.0	182.9	133.0	-56.0	547.7	135.0	-53.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	3.05	CASING										
3.05	15.47	DACITE FLOW: Light to medium grey, white feldspar porphyritic dacite flow; feldspar phenocrysts evenly distributed throughout (5%) (0.5 - 1 mm) anhedral to subhederal; moderate narrow (1 - 2 cm) quartz veining with silica/albite halo alteration into flow gives local mottled texture; very minor weak chlorite alteration. Lower 3 m contains large blocks of basalt flow from beneath.										
15.47	47.68	BASALT FLOW: Medium to light greenish-grey basaltic flow; weakly amphibole (hornblende?) porphyritic (~ 5%); pervasive moderate propylitic alteration cut by white-grey calcite-filled tension fractures, veinlets and narrow veins (< 3 cm wide). Fracture vein density ~ 20 - 25/m, dominantly hairline (< 1 mm). 20.42 28.95 Zone of broken, blocky, locally rubbly core with low RQD; dark green colour; strong chlorite altered; narrow limonitic shears at 0 - 10° to core axis.										
47.68	58.22	DACITE LAPILLI TUFF: HEMATITIC Medium greyish with pinkish tinge, grading to greenish tinge within 1-2 m of upper and lower contacts; lapilli textures are clearly evident, consisting of dominantly fine-grained grey dacite fragments, feldspar										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number

porphyritic dacite fragments, green-grey chloritic andesite fragments, rare amygdaloidal pumice fragments, ~ 1% fine red hematite fragments; appears to be an ash-flow type of deposit; interval exhibits strong alignment of fragments along a foliation at 50-60° to core axis; interval is soft with weak sericite alteration, very weak carbonate alteration; upper contact is sharp and irregular, lower contact is faulted and broken.
55.85 58.22 Strongly sheared, broken, blocky core.

58.22 220.45 BASALT UNDIFFERENTIATED: PROPYLITIC
Medium to light grey-green hornblende porphyritic basaltic flow or possible intrusion, generally homogeneous throughout; moderate to strong pervasive propylitic alteration; hornblende(?) phenocrysyts are chlorite replaced, varying from (~ 0.5 mm - 4 mm)in size, and from 0 - 25% abundance; cut by rare veinlets and veins up to 7 cm wide of white calcite and quartz; hornblende porphyritic nature decreases downwards to non-porphyritic.
58.22 59.74 FAULT Orange limonite stained shear zone with broken, rubbly core; lower ~ 10 cm is calcite healed breccia - gouge zone.
116.02 118.72 FAULT Zone of broken, blocky core; dark green, strong chlorite altered cut by grey minor calcite veins with local epidote-quartz. Veins vary from 55° to more commonly wavy breccia veins at ~ 10° to core axis.
164.15 164.90 FAULT Broken rubbly core with weak chlorite alteration on fractures filled by white, soft, earthy prehnite; fractures at 15 - 25° to core axis.
177.40 178.85 BASALTIC DYKE: Fine-grained, medium green, non-magnetic; chilled sharp contacts, upper and lower at 55° to core axis.
178.85 178.95 FAULT Shear zone of chlorite, epidote, quartz at 55° to core axis.
195.20 196.20 Fracture zone of blocky core with 5 cm wide carbonate cemented(?) limonitic, bleached zone at centre. Veinlets immediately above this interval are at 0 - 10° to core axis.
196.20 199.65 Carbonate vein with network of ~ 75% acicular needles of magnetite, randomly oriented within vein at 25° to core axis.

220.45 301.90 DACITE FLOW: HEMATITIC
Medium grey to light grey colour with pinkish tinge, 5 - 10% white subhederal feldspar phenocrysts locally obscured or faint due to alteration (silicification?); interval is very hard and siliceous. Locally pale greenish grey where phenocrysts are faint; interval cut by rare narrow (1 - 3 cm) quartz veins at variable angles to core axis.
220.45 254.76 DACITE LAPILLI TUFF: Medium green-grey colour grading from fragmental tuff at top down to flow breccia with feldspar porphyritic fragments similar to major unit; lower contact of minor unit is sharp and irregular at high angle to core.
297.80 299.00 FAULT Broken, fractured core with minor clay-gouge and

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		chlorite on fractures.										
301.90	341.38	DACITE LAPILLI TUFF: CHLORITIC Medium to dark greenish grey propylitic altered dacite lapilli tuff dominantly with grey to greenish dacite fragments with ~ 10 - 20% heterolithic fragments including white-grey rounded cherty fragments, lapilli and breccia sized pumaceous fragments, feldspar porphyritic dacite fragments, rare hematite; all fragments are rounded, generally coarse lapilli with up to ~20% breccia-sized fragments; matrix is fine lapilli tuff to coarse ash, moderate to strongly chloritic; interval is cut by chlorite-epidote veins and veinlets, locally vuggy, with weak albitic selvages. 304.65 305.30 FAULT Bleached zone, moderate - strong clay altered, minor gouge, foliation/shears at variable angles to core. 306.48 307.00 Quartz-chlorite-magnetite vein with brecciated contacts (healed fault?).										
341.38	366.38	DACITE FLOW: HEMATITIC Medium grey coloured with pinkish tinge, weakly hematitic; ~ 2 - 5% white anhedral to euhedral feldspar phenocrysts up to 3 mm; moderately cut by white quartz veins and veinlets, with occasional epidote.										
366.38	424.34	DACITE LAPILLI TUFF: CHLORITIC Medium greyish to green, dominantly chloritic dacite lapilli tuff with ~ 10 - 20% breccia sized fragments; fragments are dominantly fine-grained and siliceous dacite; whitish rounded silicified flow fragments; dark greyish feldspar phyric flow fragments and blocks, ~ 2 - 5% hematitic fragments; 1 - 2% whitish chert fragments (~ < 2 cm); interval weakly cut by quartz-epidote ± chlorite veinlets and veins up to 10 cm wide, with very weak albitic flooding on selvage. 413.22 413.62 FAULT Intense gouge re-cemented with quartz veining; 0.3 m is reported as lost core; upper contact appears to be 15 - 20° to core axis. 423.37 423.85 SLOKO RYHOLITE DYKE: Fine-grained, buff-beige felsic dyke with flow-banded contacts; upper contact at 25° to core axis; lower contact at 30° to core axis.										
424.34	428.25	SLOKO RYHOLITE DYKE: Buff-beige colour, dominantly flow-banded at 45° to core axis; sharp upper and lower contacts at 30° and 50° to core axis, respectively.	R8720600	427.63	429.77	2.13						
428.25	471.25	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium to light grey, dominantly chert fragmental debris flow or slump; intense sericitized grey-green dacite (?) lapilli and ash tuff with 5 - 10% disseminated pyrite supports rounded to angular white chert fragments up to ~ 5 cm, however, local intervals appear reversed, dominated by white chert with tuffaceous veins (or large chert fragments, clast	R8720601 R8720602 R8720603 R8720604 R8720605	429.77 431.29 432.82 434.34 435.86	431.29 432.82 434.34 435.86 437.39	1.52 1.52 1.52 1.52 1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		supported, with pyritic tuff matrix); local traces of whitish soft fragments of barite (gypsum?); trace chalcopyrite, sphalerite(?) and specular hematite in upper 30 m of interval; gradual increase in pyrite abundance in lapilli fragments towards bottom of interval.	R8720606	437.39	438.00	.61						
			R8720607	438.00	438.61	.61						
			R8720608	438.61	438.76	.15						
			R8720609	438.76	440.44	1.68						
			R8720610	440.44	441.35	.91						
			R8720611	441.35	443.18	1.83						
			R8720612	443.18	445.01	1.83						
			R8720613	445.01	446.53	1.52						
			R8720614	446.53	448.06	1.52						
			R8720615	448.06	448.97	.91						
			R8720616	448.97	450.49	1.52						
			R8720617	450.49	452.02	1.52						
			R8720618	452.02	453.54	1.52						
			R8720619	453.54	455.07	1.52						
			R8720620	455.07	456.29	1.22						
			R8720621	456.29	457.81	1.52						
			R8720622	457.81	459.33	1.52						
			R8720623	459.33	460.86	1.52						
			R8720624	460.86	462.38	1.52						
			R8720625	462.38	463.60	1.22						
			R8720626	463.60	465.13	1.52						
			R8720627	465.13	466.80	1.68						
			R8720628	466.80	468.17	1.37						
			R8720629	468.17	469.70	1.52						
			R8722574	469.70	471.22	1.52						
			R8722575	471.22	472.74	1.52						
438.00	438.60	BASALTIC DYKE: Dark greenish grey basaltic dyke, non-magnetic, weakly cut by quartz veins; trace pyrite, chalcopyrite, sharp contacts; upper at 35°, lower at 50° to core axis.										
471.25	473.50	PYRITE FACIES: , WITH MASSIVE PYRITE Upper contact is rapidly gradational marked by absence of chert fragments and increase of pyrite in tuffaceous ash matrix; from 50 - 70% pyrite, in mixture of dominantly white soft exhalitic sulphate (gypsum?) with lesser sericite(?) and very minor chert; weak, local banding at 50° to core axis; trace - 1% chalcopyrite; lower contact sharp at 80 - 90° to core axis.	R8722576	472.74	473.51	.76						
473.50	474.60	BASALTIC DYKE: Dark green-grey, fine-grained, moderate to strongly magnetic basaltic dyke, moderate propylitic altered.	R8722577	473.51	474.57	1.07						
			R8722578	474.57	476.10	1.52						
474.60	493.00	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Dark grey-green dominantly dacitic(?) ash tuff with zones of lapilli-size volcanic and rare chert fragments; strong to intense pervasive sericitization; upper 3 m appears to be dacite crystal tuff with up to ~ 20% whitish grey subhedral resistant feldspar phenocrysts; total of 5 - 20% pyrite finely disseminated throughout, or less commonly in irregular grey silica veins (1 - 2 cm); local trace to ~ 3% white medium-grain disseminations of possible gypsum(?); local foliation at ~ 50° to core	R8722579	476.10	477.62	1.52						
			R8722580	477.62	478.38	.76						
			R8722581	478.38	479.76	1.37						
			R8722582	480.36	481.89	1.52						
			R8722583	481.89	483.41	1.52						
			R8722595	483.41	484.48	1.07						
			R8722596	484.48	486.16	1.68						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		axis. Note: contacts are indistinct due to broken nature of core from splitting, and poor 'fit' of consecutive core pieces.	R8722597	486.16	487.38	1.22						
			R8722598	487.38	489.20	1.83						
		484.60 489.70 CHERT: Intermixed zone of light grey chert and sericitized pyritic tuff (as described above); interval is dominated (~ 60%) by chert with contorted patterns, as possible soft sediment deformation or slumping, with local disruption of chert bed.	R8722599	489.20	490.73	1.52						
			R8722600	490.73	492.25	1.52						
			R8722601	492.25	493.01	.76						
493.00	499.60	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE										
		Mixed fragmental of chert fragments and greenish-grey pyritic tuffaceous material; sections vary from strongly sericitized pyritic tuff (~ 10% disseminated pyrite) supporting ~ 20% whitish rounded chert fragments, to sections of white chert matrix supporting rounded to angular grey chert fragments and greenish-grey whispy to subangular pyritic-sericitic lapilli tuff fragments. Average 5 - 10% disseminated pyrite, dominantly within sericitized tuff; lower contact is gradational with absence of round chert fragments in sericitized, pyritic tuff.	R8722602	493.01	494.69	1.68						
			R8722603	494.69	496.21	1.52						
			R8722604	496.21	497.74	1.52						
			R8722584	497.74	499.42	1.68						
			R8722585	499.42	500.48	1.07						
499.60	504.45	EXHALITIC TUFF: SERICITIC , WITH MASSIVE PYRITE										
		Medium to dark olive-green colour, disseminated to massive pyrite (Σ 20% pyrite) within strongly sericitized ash(?) tuff, with trace to 5% well-rounded, lapilli-sized, medium to dark greyish, weakly silicified dacitic fragments.	R8722586	500.48	502.01	1.52						
			R8722587	502.01	503.53	1.52						
			R8722588	503.53	504.44	.91						
			R8722589	504.44	504.75	.30						
504.45	544.85	DACITE LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE										
		Medium grey to locally light grey dacitic lapilli tuff, moderate to locally intense sericitized, ~ 2-5% disseminated pyrite, probable local moderate silicification; locally supports 1-2% white rounded chert fragments; occasional intervals from ~ 0.5 - 3 m are up to ~ 60% lapilli sized chert fragments (chert breccia); lower 7 m is mottled-marbled texture, intensely sericitized with ghosted, greyish fragments within buff, pale greenish matrix.	R8722590	504.75	505.66	.91						
			R8722591	505.66	507.19	1.52						
			R8722592	507.19	508.71	1.52						
			R8722593	508.71	510.23	1.52						
			R8722594	510.23	511.76	1.52						
			R8722605	511.76	513.28	1.52						
			R8722606	513.28	513.89	.61						
			R8722607	513.89	515.42	1.52						
		517.25 517.70 FAULT Grey to white sericitized zone with clay gouge.	R8722608	515.42	516.03	.61						
		518.65 519.25 FAULT Zone of clay gouge zones varying from ~ 2 mm to ~ 1 cm wide, at 20° - 65° to core axis.	R8722609	516.03	517.25	1.22						
			R8722610	517.25	518.47	1.22						
			R8722611	518.47	519.07	.61						
			R8722612	519.07	520.29	1.22						
			R8722613	520.29	521.82	1.52						
			R8722614	521.82	522.43	.61						
			R8722615	522.43	523.95	1.52						
			R8720630	523.95	525.17	1.22						
			R8720631	525.17	526.09	.92						
			R8722616	526.09	527.61	1.52						
			R8720632	527.61	529.13	1.52						
			R8720633	529.13	530.66	1.52						
			R8720634	530.66	532.49	1.83						
		537.05 537.65 FAULT Broken core into chips, local gouge zones.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8720635	532.49	534.01	1.52						
			R8720636	534.01	535.53	1.52						
			R8720637	535.53	537.06	1.52						
			R8720638	537.06	537.97	.91						
			R8720639	537.97	539.34	1.37						
			R8720640	539.34	540.11	.76						
			R8720641	540.11	541.48	1.37						
			R8720642	541.48	542.85	1.37						
			R8720643	542.85	544.83	1.98						
544.85	549.85	BASALTIC DYKE: Medium to dark greyish green, fine to medium-grained, weakly porphyritic (~ 2% pale grey anhedral grains from < 1 mm to 2 mm) dyke; contacts are chilled, dark greenish, fine-grained, and sharp; upper and lower contacts at 30° to core axis; moderate to strongly magnetic.										
549.85	578.30	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium greyish-green dacitic lapilli tuff, moderate to strong sericite altered; 2-5% whitish chert, as angular to rounded fragments, or disrupted beds (locally boudinaged); fine disseminated pyrite from 2-10% locally concentrated into irregular, whispy masses. Weak to moderate buff-yellow alteration - probable dolomitic alteration (however, no reaction with HCl when mineral is powdered). General foliation from 35°-65° to core axis. Trace to ~ 30% brownish, soft material, selectively replacing(?) possible ash matrix (biotite alteration) in trace amounts, increasing in abundance downwards from 567 m to 30% over lower 11.3 m. Core is increasingly more broken along foliation planes towards bottom of interval. 559.50 559.55 FAULT Grey clay gouge and rock chips. 561.80 561.85 FAULT Grey clay gouge, ~ 5% pyrite with later white quartz veining.	R8720644	550.01	551.38	1.37						
			R8720645	551.38	552.91	1.52						
			R8720646	552.91	554.43	1.52						
			R8720647	554.43	555.96	1.52						
			R8720648	555.96	557.48	1.52						
			R8720649	557.48	559.00	1.52						
			R8720650	559.00	560.53	1.52						
			R8720651	560.53	562.05	1.52						
			R8722564	562.05	563.58	1.52						
			R8722565	563.58	564.79	1.22						
			R8722566	564.79	566.62	1.83						
			R8722567	566.62	567.54	.92						
			R8722568	567.54	567.99	.46						
			R8722569	567.99	569.67	1.68						
			R8722570	569.67	571.20	1.52						
			R8722571	571.20	572.72	1.52						
			R8720652	572.72	573.63	.91						
			R8720653	573.63	575.16	1.52						
			R8720654	575.16	577.14	1.98						
			R8720655	577.14	578.21	1.07						
			R8720656	578.21	579.73	1.52						
578.30	582.78	FAULT Strong fault zone with up to ~ 60% intense clay gouge and finely broken core; mixed white to grey to orange colour. Local dark grey pyrite gouge zone 10 cm wide at 581.5 - 581.6 m.	R8720657	579.73	581.25	1.52						
			R8720658	581.25	585.83	4.57						
582.78	608.70	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Same as above interval from 549.85 to 578.3 m, however, with only trace biotite alteration; upper 6.85 m (to 589.65) are broken into narrow disks	R8720659	585.83	586.74	.91						
			R8720660	586.74	588.26	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		(0 RQD) along variable foliation from 30 - 65° to core axis, with occasional narrow gouge zones (splays off above fault). Rare pyrite in regular veinlets (< 1 cm) over lower 10 m of interval.	R8720661	588.26	589.79	1.52						
			R8720662	589.79	591.31	1.52						
			R8720663	591.31	592.84	1.52						
			R8720664	592.84	594.36	1.52						
			R8720665	594.36	595.88	1.52						
			R8722572	595.88	597.10	1.22						
			R8722573	597.10	598.63	1.52						
			R8720666	598.63	600.15	1.52						
			R8720667	600.15	601.07	.91						
			R8720668	601.07	602.59	1.52						
			R8720669	602.59	603.20	.61						
			R8720670	603.96	605.33	1.37						
			R8720671	605.33	606.86	1.52						
			R8720672	606.86	608.69	1.83						
			R8720673	608.69	610.21	1.52						
608.70	624.25	BASALTIC DYKE:										
		Dark green to black, fine-grained, moderately magnetic multiple intrusions of dykes (probably 3 phases) each with black, chilled contacts. Upper and lower contacts of entire interval are sharp; upper contact is irregular; lower contact at 50° to core axis.	R8720674	610.21	611.43	1.22						
			R8720675	611.43	611.73	.30						
			R8720676	612.04	612.34	.30						
			R8720677	615.09	615.70	.61						
		620.88 621.50 BASALTIC DYKE: Dyke with sharp, black chilled contacts, ~ 10% white to grey phenocrysts from 2 mm to ~ 1 cm, anhedral to subhedral, upper contact at 60° to core axis; lower contact is broken, irregular.										
624.25	665.40	BASALT LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE										
		Variably coloured medium grey to buff-yellowish to brown; basaltic lapilli tuff with mixed dacitic fragments, local quartz-filled pumaceous fragments, rare scoriaceous fragments. Local sections are weak to strongly sericitized, with pervasive weak to moderate, buff weathered dolomitic(?) alteration (however, no reaction with HCl when powdered). Local brown biotite alteration; up to ~2-5% fine disseminated pyrite throughout.	R8720678	627.28	628.80	1.52						
			R8720679	628.80	630.33	1.52						
			R8720680	630.33	631.55	1.22						
			R8720681	631.55	633.07	1.52						
			R8720682	633.07	634.59	1.52						
			R8720683	634.59	635.36	.76						
			R8720684	635.36	636.73	1.37						
		646.80 647.25 BASALTIC DYKE: Dark green, fine-grained, weak to moderately magnetic dyke; upper contact is sharp at 45° to core axis; lower contact has ~ 2 cm of gouge within foliation at 25° to core axis; strong biotite alteration of wall-rock for 1.9 m into hanging wall of above dyke.	R8720685	636.73	637.95	1.22						
			R8720686	637.95	639.47	1.52						
			R8720687	639.47	641.15	1.68						
			R8720688	641.15	642.52	1.37						
			R8720689	642.52	644.04	1.52						
		647.80 650.60 BASALTIC DYKE: Fine-grained, dark green, non to moderately magnetic dyke; contacts are sharp, but both are irregular and core is broken.	R8720690	644.04	645.72	1.68						
			R8720691	645.72	645.87	.15						
			R8720692	645.87	647.40	1.52						
		663.10 663.55 FAULT Core broken into thin chips along foliation, intermixed with ~ 30% clay gouge.	R8720693	647.40	648.46	1.07						
			R8720694	648.46	649.53	1.07						
			R8720695	649.53	649.83	.30						
			R8720696	649.83	650.44	.61						
			R8720697	653.49	655.02	1.52						

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			R8720698	655.02	656.54	1.52						
			R8720699	658.06	659.59	1.52						
			R8720700	659.59	661.11	1.52						
			R8720701	661.11	662.64	1.52						
			R8720702	662.64	664.16	1.52						
			R8720703	664.16	665.68	1.52						
665.40	675.74	BASALT LAPILLI TUFF: BIOTITIC Dark greyish to brown, basaltic lapilli fragmental with biotite altered ash matrix and biotitic replaced, cuspate to lenticular fine fragments; trace pyrite; no orange dolomite weathering. 675.25 675.74 FAULT Core broken into fine chips, intermixed gouge.	R8720704	665.68	667.21	1.52						
			R8720705	667.21	668.27	1.07						
			R8720706	668.73	670.26	1.52						
			R8720707	670.26	671.78	1.52						
			R8720708	671.78	673.30	1.52						
			R8720709	673.30	674.83	1.52						
			R8720710	674.83	676.35	1.52						
680.40		EOH										
			R8720711	676.35	677.88	1.52						
			R8720712	677.88	678.79	.91						
			R8720713	678.79	680.31	1.52						

Hole No: TC-87-2
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15327.30
(metres) E: 10529.30

Azimuth: 135.0
Dip: -55.0
Length (m): 680.40
Elevation: 393.10
(metres)
Purpose:

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started:
Completed:
Recovery:

Date Logged:
Logged By: H. KANG
Date Re-logged: AUG.26-SEPT.7, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:00pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8720600	427.63	429.77	2.13		.00						160	7.4	16	53	100						
R8720601	429.77	431.29	1.52		.00						132	19.9	66	455	882						
R8720602	431.29	432.82	1.52		.00						238	14.5	189	1030	1224						
R8720603	432.82	434.34	1.52		.00						100	15.4	1520	551	3320						
R8720604	434.34	435.86	1.52		.00						88	10.2	1111	403	4110						
R8720605	435.86	437.39	1.52		.00						280	14.4	1110	1030	8330						
R8720606	437.39	438.00	.61		.00						154	7.6	410	537	1207						
R8720607	438.00	438.61	.61		.00						116	2.4	233	89	639						
R8720608	438.61	438.76	.15		.00						158	2.4	260	114	674						
R8720609	438.76	440.44	1.68		.00						40	.9	13	24	301						
R8720610	440.44	441.35	.91		.00						46	1.5	30	54	252						
R8720611	441.35	443.18	1.83		.00						400	20.9	850	3470	8250						
R8720612	443.18	445.01	1.83		.00						120	7.9	593	283	591						
R8720613	445.01	446.53	1.52		.00						236	6.8	533	142	3350						
R8720614	446.53	448.06	1.52		.00						764	32.5	2340	2200	9300						
R8720615	448.06	448.97	.91		.00						184	3.8	160	538	1184						
R8720616	448.97	450.49	1.52		.00						452	21.8	2160	1630	7470						
R8720617	450.49	452.02	1.52		.00						86	3.1	35	197	514						
R8720618	452.02	453.54	1.52		.00						394	31.3	612	870	>14900						
R8720619	453.54	455.07	1.52		.00						236	6.2	293	283	4790						
R8720620	455.07	456.29	1.22		.00						122	2.3	58	35	268						
R8720621	456.29	457.81	1.52		.00						100	1.3	17	39	189						
R8720622	457.81	459.33	1.52		.00						42	1.0	26	13	152						
R8720623	459.33	460.86	1.52		.00						72	1.5	47	7	113						
R8720624	460.86	462.38	1.52		.00						<10	.8	13	13	50						
R8720625	462.38	463.60	1.22		.00						28	.9	22	7	94						
R8720626	463.60	465.13	1.52		.00						38	.9	26	19	35						
R8720627	465.13	466.80	1.68		.00						92	1.3	150	62	58						
R8720628	466.80	468.17	1.37		.00						162	1.5	132	33	48						
R8720629	468.17	469.70	1.52		.00						178	1.1	83	21	64						
R8722574	469.70	471.22	1.52		.00						196	1.6	1540	17	60						
R8722575	471.22	472.74	1.52		.00						124	2.6	5990	9	43						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722576	472.74	473.51	.76		.00						140	2.0	5110	8	45						
R8722577	473.51	474.57	1.07		.00						20	<.4	712	<4	116						
R8722578	474.57	476.10	1.52		.00						136	1.5	982	25	62						
R8722579	476.10	477.62	1.52		.00						80	1.7	320	16	82						
R8722580	477.62	478.38	.76		.00						188	1.5	9	29	90						
R8722581	478.38	479.76	1.37		.00						152	2.2	103	68	114						
R8722582	480.36	481.89	1.52		.00						358	3.4	124	78	97						
R8722583	481.89	483.41	1.52		.00						166	3.4	81	93	104						
R8722595	483.41	484.48	1.07		.00						122	1.4	47	39	27						
R8722596	484.48	486.16	1.68		.00						96	1.9	34	65	170						
R8722597	486.16	487.38	1.22		.00						114	2.0	91	89	1610						
R8722598	487.38	489.20	1.83		.00						102	2.5	89	103	394						
R8722599	489.20	490.73	1.52		.00						100	2.0	49	75	527						
R8722600	490.73	492.25	1.52		.00						158	2.2	79	47	282						
R8722601	492.25	493.01	.76		.00						92	1.4	42	22	17						
R8722602	493.01	494.69	1.68		.00						46	.8	44	7	44						
R8722603	494.69	496.21	1.52		.00						36	.4	22	6	15						
R8722604	496.21	497.74	1.52		.00						40	.7	49	15	18						
R8722584	497.74	499.42	1.68		.00						42	.6	41	17	27						
R8722585	499.42	500.48	1.07		.00						92	1.5	88	18	50						
R8722586	500.48	502.01	1.52		.00						56	1.1	48	14	46						
R8722587	502.01	503.53	1.52		.00						58	1.0	39	16	34						
R8722588	503.53	504.44	.91		.00						46	.8	31	17	291						
R8722589	504.44	504.75	.30		.00						74	1.1	28	13	109						
R8722590	504.75	505.66	.91		.00						96	1.0	82	8	1210						
R8722591	505.66	507.19	1.52		.00						74	.9	25	<4	130						
R8722592	507.19	508.71	1.52		.00						84	1.5	238	17	144						
R8722593	508.71	510.23	1.52		.00						42	1.5	454	12	78						
R8722594	510.23	511.76	1.52		.00						72	1.0	36	7	14						
R8722605	511.76	513.28	1.52		.00						100	1.7	332	18	223						
R8722606	513.28	513.89	.61		.00						62	1.0	41	15	113						
R8722607	513.89	515.42	1.52		.00						66	.9	114	13	96						
R8722608	515.42	516.03	.61		.00						66	2.4	729	19	87						
R8722609	516.03	517.25	1.22		.00						74	2.4	870	14	123						
R8722610	517.25	518.47	1.22		.00						280	1.5	129	30	28						
R8722611	518.47	519.07	.61		.00						724	8.7	1022	27	204						
R8722612	519.07	520.29	1.22		.00						100	1.6	34	9	18						
R8722613	520.29	521.82	1.52		.00						52	1.1	29	7	19						
R8722614	521.82	522.43	.61		.00						100	4.1	1270	38	181						
R8722615	522.43	523.95	1.52		.00						122	6.0	2950	53	325						
R8720630	523.95	525.17	1.22		.00						40	.4	19	10	30						
R8720631	525.17	526.09	.92		.00						72	.9	18	12	35						
R8722616	526.09	527.61	1.52		.00						216	2.1	102	12	16						
R8720632	527.61	529.13	1.52		.00						166	2.4	42	64	306						
R8720633	529.13	530.66	1.52		.00						104	1.5	23	53	460						
R8720634	530.66	532.49	1.83		.00						86	1.6	27	12	149						
R8720635	532.49	534.01	1.52		.00						54	.7	70	14	820						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8720636	534.01	535.53	1.52		.00						40	.9	40	21	1000						
R8720637	535.53	537.06	1.52		.00						40	.7	47	16	416						
R8720638	537.06	537.97	.91		.00						28	<.4	16	8	78						
R8720639	537.97	539.34	1.37		.00						40	.5	17	12	62						
R8720640	539.34	540.11	.76		.00						26	<.4	15	14	76						
R8720641	540.11	541.48	1.37		.00						24	<.4	27	11	65						
R8720642	541.48	542.85	1.37		.00						40	<.4	29	18	48						
R8720643	542.85	544.83	1.98		.00						20	<.4	13	14	33						
R8720644	550.01	551.38	1.37		.00						182	2.5	50	30	24						
R8720645	551.38	552.91	1.52		.00						164	1.8	46	35	22						
R8720646	552.91	554.43	1.52		.00						136	3.2	39	29	41						
R8720647	554.43	555.96	1.52		.00						62	.9	26	26	594						
R8720648	555.96	557.48	1.52		.00						80	.7	45	31	331						
R8720649	557.48	559.00	1.52		.00						108	.9	51	49	319						
R8720650	559.00	560.53	1.52		.00						104	1.0	50	63	583						
R8720651	560.53	562.05	1.52		.00						46	<.4	22	15	24						
R8722564	562.05	563.58	1.52		.00						82	.7	16	22	29						
R8722565	563.58	564.79	1.22		.00						102	1.4	24	33	64						
R8722566	564.79	566.62	1.83		.00						140	1.0	15	15	21						
R8722567	566.62	567.54	.92		.00						96	.9	23	11	39						
R8722568	567.54	567.99	.46		.00						80	1.1	23	15	43						
R8722569	567.99	569.67	1.68		.00						140	1.4	21	14	29						
R8722570	569.67	571.20	1.52		.00						100	.7	16	15	48						
R8722571	571.20	572.72	1.52		.00						52	.9	16	15	44						
R8720652	572.72	573.63	.91		.00						40	<.4	19	17	61						
R8720653	573.63	575.16	1.52		.00						40	<.4	27	10	34						
R8720654	575.16	577.14	1.98		.00						40	<.4	28	16	27						
R8720655	577.14	578.21	1.07		.00						34	<.4	28	13	27						
R8720656	578.21	579.73	1.52		.00						46	<.4	29	12	44						
R8720657	579.73	581.25	1.52		.00						48	<.4	22	21	22						
R8720658	581.25	585.83	4.57		.00						34	.5	56	14	584						
R8720659	585.83	586.74	.91		.00						60	1.4	82	32	386						
R8720660	586.74	588.26	1.52		.00						52	<.4	37	22	151						
R8720661	588.26	589.79	1.52		.00						30	.6	22	24	226						
R8720662	589.79	591.31	1.52		.00						28	<.4	17	15	51						
R8720663	591.31	592.84	1.52		.00						62	.6	22	20	593						
R8720664	592.84	594.36	1.52		.00						80	1.1	22	26	295						
R8720665	594.36	595.88	1.52		.00						112	1.5	29	30	1186						
R8722572	595.88	597.10	1.22		.00						100	2.1	22	23	158						
R8722573	597.10	598.63	1.52		.00						60	1.7	21	13	386						
R8720666	598.63	600.15	1.52		.00						40	.9	45	20	775						
R8720667	600.15	601.07	.91		.00						40	.6	29	20	397						
R8720668	601.07	602.59	1.52		.00						62	1.7	45	31	1176						
R8720669	602.59	603.20	.61		.00						92	2.4	77	26	1141						
R8720670	603.96	605.33	1.37		.00						74	.7	27	20	114						
R8720671	605.33	606.86	1.52		.00						220	2.3	74	41	1063						
R8720672	606.86	608.69	1.83		.00						642	4.8	40	58	278						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8720673	608.69	610.21	1.52		.00						220	2.8	27	90	274						
R8720674	610.21	611.43	1.22		.00						160	2.7	31	97	324						
R8720675	611.43	611.73	.30		.00						286	2.4	140	80	219						
R8720676	612.04	612.34	.30		.00						328	1.9	61	75	819						
R8720677	615.09	615.70	.61		.00						92	.9	132	16	38						
R8720678	627.28	628.80	1.52		.00						160	1.6	262	28	366						
R8720679	628.80	630.33	1.52		.00						120	.8	68	21	103						
R8720680	630.33	631.55	1.22		.00						104	1.0	140	17	54						
R8720681	631.55	633.07	1.52		.00						60	.9	504	19	1243						
R8720682	633.07	634.59	1.52		.00						42	.4	236	14	4150						
R8720683	634.59	635.36	.76		.00						40	.5	175	13	3280						
R8720684	635.36	636.73	1.37		.00						166	.5	111	25	343						
R8720685	636.73	637.95	1.22		.00						242	.8	52	36	45						
R8720686	637.95	639.47	1.52		.00						52	.5	503	11	104						
R8720687	639.47	641.15	1.68		.00						44	.5	528	17	76						
R8720688	641.15	642.52	1.37		.00						136	.6	59	24	34						
R8720689	642.52	644.04	1.52		.00						68	.8	180	20	43						
R8720690	644.04	645.72	1.68		.00						60	.7	34	22	49						
R8720691	645.72	645.87	.15		.00						20	.5	28	11	94						
R8720692	645.87	647.40	1.52		.00						120	2.4	48	31	52						
R8720693	647.40	648.46	1.07		.00						92	1.3	32	23	26						
R8720694	648.46	649.53	1.07		.00						52	.7	49	24	64						
R8720695	649.53	649.83	.30		.00						<10	<.4	25	12	92						
R8720696	649.83	650.44	.61		.00						40	.9	62	20	58						
R8720697	653.49	655.02	1.52		.00						46	.4	76	19	47						
R8720698	655.02	656.54	1.52		.00						40	<.4	79	17	58						
R8720699	658.06	659.59	1.52		.00						72	.4	63	15	46						
R8720700	659.59	661.11	1.52		.00						34	<.4	235	12	65						
R8720701	661.11	662.64	1.52		.00						82	<.4	100	22	49						
R8720702	662.64	664.16	1.52		.00						26	<.4	299	17	75						
R8720703	664.16	665.68	1.52		.00						62	.5	40	19	44						
R8720704	665.68	667.21	1.52		.00						132	.5	50	24	37						
R8720705	667.21	668.27	1.07		.00						120	1.0	52	22	36						
R8720706	668.73	670.26	1.52		.00						34	<.4	96	16	86						
R8720707	670.26	671.78	1.52		.00						20	.4	105	16	82						
R8720708	671.78	673.30	1.52		.00						64	.7	33	23	51						
R8720709	673.30	674.83	1.52		.00						20	<.4	57	15	67						
R8720710	674.83	676.35	1.52		.00						20	.4	124	12	64						
R8720711	676.35	677.88	1.52		.00						22	.4	247	14	78						
R8720712	677.88	678.79	.91		.00						20	.5	325	12	92						
R8720713	678.79	680.31	1.52		.00						<10	.5	41	7	66						

Hole No: TC-87-3
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15344.10
(metres) E: 10276.70

Azimuth: 135.0
Dip: -55.0
Length (m): 672.70
Elevation: 266.20
(metres)

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DIAMOND DRILLING
Started: OCT. 16, 1987
Completed: OCT. 29, 1987
Recovery:

Purpose: To test down-dip stratigraphy and massive sulphide horizon.

Date Logged: OCT. 18, 1987
Logged By: H.KANG, M.J.CASSELMAN
Date Re-logged: OCT. 22-24, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:18am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	135.0	-55.0															
152.4	140.0	-54.0	304.8	137.0	-50.0	456.3		-47.0	672.7	138.0	-42.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	7.30	CASING										
7.30	8.85	BASALT ASH TUFF: Fine-grained, dark green chloritic basaltic to andesite ash tuff with ~2% whispy calcite lenses and fragments; locally bedding alignment is at 30-40° to core axis; lower contact is indistinct due to broken nature of the core.										
8.85	16.15	DACITE LAPILLI TUFF: Orange-brown weathered, weak to moderately ankeritic dacite lapilli tuff; trace calcite lenses around fine lapilli ; strongly fractured and broken from surface weathering; lower contact is rapidly gradational into unaltered dacite lapilli tuff.										
16.15	105.60	DACITE LAPILLI TUFF: Medium to dark grey dacite lapilli tuff; fragmental textures are distinct; generally fine lapilli-sized fragments (0.5-1cm) intermixed with coarse ash and ~20-30% coarse rounded lapilli; fragments do not exhibit any bedding alignment; rare chert fragments; pervasive propylitic (chlorite) alteration; fragmental alignment at ~65° to core axis towards bottom of interval; lower contact is sharp, irregular and weakly brecciated. 38.95 39.60 FAULT Broken, rubbly core; weakly clay altered; minor gouge; bleached off-white; zero RQD.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
105.60	152.80	BASALT FLOW: Medium-grained, grey-green basaltic to andesite flow, homogeneous with weak to moderate quartz-calcite filled fractures and minor shears (<2cm wide); pervasive moderate propylitic alteration dominated by chlorite; very rare traces of milky, light pink rhodonite in quartz-calcite veinlets; lower contact is faulted at 40-50° to core axis.										
		108.20 108.95 FAULT Strongly fractured core into thin discs at 80-90° to core axis; locally re-healed by white to grey calcite; minor pale grey green clay gouge; host rock on either side is moderately chlorite-calcite fractured up to ~1.5 metres from fault contacts.										
		114.60 117.20 SILICIFIED Rapid gradational contacts to zone of pale green-grey to pale grey, moderate to strongly silica flooded zone; moderately fractuered; wall-rock on either side is locally strongly sheared with dark green chlorite and grey calite; trace pyrite.										
		124.95 125.75 BASALTIC DYKE: Very fine-grained, dark grey dyke with sharp planar contacts at 15° to core axis.										
		151.18 151.90 FAULT Strongly sheared and quartz-veined fault zone; orange-brown ankeritic weathered, weak calcite; upper and lower contacts are sharp at ~20° to core axis; minor fold along axial plane at ~70° to core axis (~20cm wide) with small scale boudinage.										
152.80	192.65	DACITE LAPILLI TUFF: Medium green-grey dacite fragmental, dominantly lapilli tuff with occasional (~10%) breccia-sized fragments; upper 50 cm is strongly sheared at 40-45° to core axis; upper 10 metres is dominantly breccia-sized fragments in coarse, dark grey ash matrix; remainder of interval is homogeneous with sub-rounded to sub-angular fragments with no definite alignment; local coarse ash to fine lapilli-sized intervals from 0.5-2.0 metres wide.										
		161.85 165.80 BASALTIC DYKE: Dark green-grey basaltic dyke with very fine-grained, chilled margins; weakly amphibole phyric and amygdaloidal replaced by chlorite; internally, dyke is coarse-grained, weakly calcite-epidote altered; upper contact is sharp at 80-90° to core axis; lower contact is sharp at 50° to core axis.										
		169.85 172.75 BASALTIC DYKE: Dark grey basaltic andesite dyke; fine-grained throughout with up to 20% chlorite amygdules within 30-50cm of upper and lower contacts; both contacts are sharp but irregular.										
		175.55 176.85 BASALTIC DYKE: Same as above dyke from 169.85 to 172.75 metres.										
192.65	199.80	BASALTIC DYKE: BIOTITIC										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		Brownish grey, weak to moderate biotite alteration of fine-grained groundmass; trace to 2% sub-hedral to euhedral feldspar phenocrysts from 2-10mm, partially zoned and chlorite-calcite ± pyrite replaced; margins are fine-grained to aphanitic, rarely porphyritic with sharp, chilled contacts; upper contact is at 60° to core axis; lower contact is indistinct due to broken nature of core; dyke is weakly cut by calcite-filled fractures.	R8722727	199.34	201.17	1.83						
199.80	239.25	CHERT: SERICITIC , WITH DISSEMINATED PYRITE Light to medium grey cherty dacite lapilli tuff; interval consists of ~80% whitish chert fragments, generally rounded, however fragments are irregularly shaped and massive; ~15-20% of interval is medium grey to dark green sericite-chlorite whisps as fine matrix interstitial to chert; ~trace to 1% pyrite unevenly disseminated throughout; lower contact is gradational, as lower 4-5 metres of this interval have less chert and more chloritic matrix (up to ~30%). 201.93 202.70 BASALTIC DYKE: Medium to dark grey, medium-grained basalt to andesite? dyke; weakly amygdaloidal; contacts are very sharp; upper contact at 40° to core axis; lower contact at 30° to core axis. 212.90 214.25 BASALTIC DYKE: Same as above dyke; upper and lower contacts are chilled and sharp but irregular.	R8722716	201.17	202.84	1.68						
			R8722717	203.61	204.22	.61						
			R8722718	204.22	205.74	1.52						
			R8722719	205.74	207.26	1.52						
			R8722720	207.26	208.79	1.52						
			R8722647	208.79	210.31	1.52						
			R8722721	210.31	211.84	1.52						
			R8722648	211.84	212.75	.91						
			R8722649	214.27	215.80	1.52						
			R8722650	215.80	217.32	1.52						
			R8722651	217.32	218.85	1.52						
			R8722652	218.85	220.37	1.52						
			R8722653	220.37	221.89	1.52						
			R8722722	221.89	223.42	1.52						
			R8722723	223.42	224.94	1.52						
			R8722724	224.94	226.47	1.52						
			R8722725	226.47	227.53	1.07						
			R8722726	227.53	228.60	1.07						
			R8722708	228.60	230.43	1.83						
			R8722709	230.43	231.65	1.22						
			R8722710	231.65	233.17	1.52						
			R8722711	233.17	234.09	.91						
			R8722689	234.09	235.31	1.22						
			R8722690	235.31	236.83	1.52						
			R8722691	236.83	238.35	1.52						
			R8722692	238.35	238.96	.61						
239.25	272.35	DACITE LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Medium grey-green cherty dacite lapilli tuff same as above, with decrease in chert fragments to ~40-50%; ~40-50% dark green chlorite altered matrix with minor (~2-5%) sericite and possible gypsum; chlorite is variably foliated at moderate to high angles to core axis; trace to ~2% pyrite unevenly disseminated throughout.	R8722693	239.88	241.40	1.52						
			R8722694	241.40	242.93	1.52						
			R8722695	242.93	244.45	1.52						
			R8722654	244.45	245.36	.91						
			R8722655	245.36	246.89	1.52						
			R8722656	246.89	248.41	1.52						
			R8722712	248.41	249.94	1.52						
			R8722713	249.94	251.15	1.22						
			R8722714	251.15	251.76	.61						
			R8722715	251.76	252.98	1.22						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8722696	252.98	254.51	1.52						
			R8722697	254.51	256.03	1.52						
			R8722698	256.03	257.56	1.52						
			R8722699	257.56	259.23	1.68						
			R8722700	259.23	260.60	1.37						
			R8722701	260.60	262.13	1.52						
			R8722702	262.13	263.65	1.52						
			R8722703	263.65	265.18	1.52						
			R8722704	265.18	266.70	1.52						
			R8722678	266.70	268.22	1.52						
			R8722679	268.22	269.75	1.52						
			R8722680	269.75	271.27	1.52						
			R8722681	271.27	271.88	.61						
			R8722667	271.88	272.95	1.07						
272.35	281.00	BASALTIC DYKE: Dark grey, massive, fine-grained basalt with ~2-5% white circular quartz-filled amygdules from 0.5-2mm dia.; trace to 1% anhedral to subhedral feldspar? crystals, altered to chlorite-epidote; 2-3% pyrite, fine to coarse disseminated or partly replacing feldspar and amygdules; contacts are sharp, bleached, fine-grained and less pyritic.	R8722668	272.95	274.32	1.37						
			R8722669	274.32	275.69	1.37						
			R8722670	275.69	277.37	1.68						
			R8722671	277.37	278.89	1.52						
			R8722672	278.89	280.42	1.52						
			R8722673	280.42	281.03	.61						
281.00	293.20	DACITE ASH TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium olive-green grey colour, very fine-grained moderate to strongly sericitized dacitic ash tuff with ~2-5% fine lenticular, sericite replaced glass shards or crystal fragments (~1mm long); interval is generally homogeneous, with up to 5% very fine-grained disseminated pyrite or pyritic mudstone, locally concentrated into semi-massive irregular blebs or bands near bottom of interval.	R8722657	281.03	282.55	1.52						
			R8722658	282.55	284.07	1.52						
			R8722659	284.07	285.60	1.52						
			R8722660	285.60	287.12	1.52						
			R8722661	287.12	288.65	1.52						
			R8722662	288.65	290.17	1.52						
			R8722663	290.17	291.69	1.52						
			R8722664	291.69	293.22	1.52						
293.20	304.65	EXHALITIC TUFF: SERICITIC , WITH MASSIVE PYRITE Dark olive-green grey colour, same as interval above but with up to 30% very fine-grained pyrite as massive zones, blebs or swirled bands due to weak soft- sediment deformation; rare rounded siliceous dacite fragments up to 3cm long; upper contact with above unit is rapidly gradational.	R8722780	293.22	294.74	1.52						
			R8722781	294.74	295.05	.30						
			R8722705	295.05	296.27	1.22						
			R8722706	296.27	297.79	1.52						
			R8722707	297.79	299.31	1.52						
			R8722682	299.31	300.84	1.52						
			R8722683	300.84	302.36	1.52						
			R8722684	302.36	303.89	1.52						
			R8722685	303.89	304.49	.61						
			R8722686	304.49	306.32	1.83						
304.65	308.45	BASALT LAPILLI TUFF: CHLORITIC , WITH DISSEMINATED PYRITE Dark greyish basaltic to dacitic heterolithic lapilli fragmental	R8722687	306.32	307.54	1.22						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		dominated by ~10% sub-angular fragments (<3cm) of whitish to grey, vaguely banded chert; other fragments are green-grey chloritic dacite to black andesite; 2-3% coarse disseminated pyrite; upper contact is sharp and weakly faulted and sheared.	R8722688	307.54	308.46	.92						
308.45	317.00	BASALT LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Very similar to above interval described from 281.0 to 293.0 metres, except coarsening downwards to siliceous (cherty) lapilli fragments (~10-15%) of altered basalt to dacite(?); lower contact is gradational.	R8722674	308.46	309.07	.61						
			R8722675	309.07	310.59	1.52						
			R8722676	310.59	312.11	1.52						
			R8722677	312.11	313.64	1.52						
			R8722665	313.64	315.16	1.52						
			R8722666	315.16	316.99	1.83						
			R8722782	316.99	318.52	1.52						
317.00	327.35	BASALT LAPILLI TUFF: , WITH DISSEMINATED PYRITE Medium grey coloured mixed lapilli tuff with ~5% fine disseminated pyrite; lapilli fragments vary in composition from light grey silicified basalt, massive grey dacite(?), scoriaceous quartz-filled fragments and feldspar phyric basalt(?); upper contact is gradational with decreasing amount of fine dacite tuff matrix; trace to 2% pyrite unevenly distributed throughout.	R8722783	318.52	320.04	1.52						
			R8722784	320.04	321.56	1.52						
			R8722785	321.56	323.09	1.52						
			R8722786	323.09	324.61	1.52						
			R8722787	324.61	326.14	1.52						
			R8722788	326.14	327.05	.91						
			R8722630	327.05	327.36	.31						
327.35	361.35	BASALT LAPILLI TUFF: Dark grey-green basalt to andesite lapilli to breccia tuff with variably sized fragments; entire interval is moderate to strongly propylitic altered; most fragments are sub-angular, fine-grained andesite with up to ~10-15% rounded breccia-sized fragments (~8-15cm), scoriaceous and quartz-filled; medium grey-green bleached zone from 346.50 to 352.0 metres; lower contact is indistinct.	R8722631	327.36	329.18	1.83						
			R8722632	329.18	330.71	1.52						
			R8722633	345.95	346.56	.61						
			R8722634	346.56	347.47	.91						
			R8722635	347.47	349.00	1.52						
			R8722636	349.00	350.52	1.52						
			R8722637	350.52	352.35	1.83						
361.35	533.10	BASALT UNDIFFERENTIATED: Fine to medium grained, dark green to black basaltic flows and flow breccias; interval is generally massive with trace to 2% quartz and/or epidote filled, circular to elongated ovoid amygdules from 3 to 10 mm dia., distributed evenly throughout; trace to 1% fine to coarse grained, subhedral feldspar crystals and grains locally concentrated in clusters; interval appears to be a series of mafic flows in submarine to subaerial environment; local aquagene breccias consist of sharp, angular, cuspate fragments variably throughout, possibly marking flow margins; interval is rarely cut by narrow quartz veinlets; 2-10% pyrite throughout as fine disseminations, to coarse irregular masses, or rare massive bands up to 5cm wide. 369.40 370.65 Bleached zone, medium grey-green; minor quartz-carbonate veinlets ± trace pyrite; possible minor fault. 407.50 425.20 Zone of abundant amygdules locally concentrated as probable	R8722638	533.09	533.71	.61						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		coriaceous fragments; interval is moderately epidotized with pale greenish grey epidote replacing amygdules ± minor pyrite.										
		474.90 487.35 BIOTITIC Zone of gradational weak to moderate biotitization; pale to medium brown-grey colour; 2-3% chlorite replaced, fine lath-like crystals and fragments of probable hornblende; ~5% fine quartz-filled amygdules; local weak sericitization; ~2% disseminated pyrite throughout.										
		507.65 508.70 Weakly bleached and fractured zone, pale greenish grey; locally sheared at 35° to core axis.										
533.10	539.80	BASALT LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Medium pale greenish grey, fine ash tuff grading downwards within 1 metre from top of interval to cherty (5%) basaltic lapilli tuff, then grading downwards to medium to light grey coloured chert-rich (30%) lapilli tuff; upper section of interval is moderately sericitic altered, grading to moderate biotite altered interstitial to chert fragments, grading downwards to dominantly silica and weak sericite alteration at bottom; trace to ~10% fine disseminated pyrite or fine-grained, massive 'patches' up to 3 cm wide, or intermixed with silicified ash and fine lapilli tuff matrix.	R8722639 R8722789 R8722790 R8722791 R8722792	533.71 534.62 535.69 537.06 538.58	534.62 535.69 537.06 538.58 539.80	.91 1.07 1.37 1.52 1.22						
539.80	558.10	SLOKO RYHOLITE DYKE: Light grey to buff-beige coloured, fine-grained to aphanitic; locally flow- banded and rarely spherulitic rhyolite dyke; flow-banded at 30° to 40° to core axis; upper contact is sharp at 30° to core axis; lower contact is sharp and crushed with clay gouge over 5 cm. 542.55 544.05 BASALT ASH TUFF: Possible xenolith; medium greyish, fine-grained, moderately sericitic ash tuff(?); ~2% fine disseminated pyrite; contacts with dyke are sharp and irregular. 548.00 548.80 BASALT ASH TUFF: Same as described above from 542.55 to 544.05 metres.	R8722793 R8722796 R8722797	542.54 548.03 558.09	544.07 548.79 559.92	1.52 .76 1.83						
558.10	586.10	BASALT ASH TUFF: SERICITIC Medium grey coloured, generally massive, homogeneous, fine-grained altered basaltic(?) dust tuff to ash tuff, moderately sericitic; trace to ~2% pyrite disseminated throughout; rare white, rounded to elongate quartz amygdules or chert(?) fragments from 1 to 3 cm long, towards bottom of interval; lower 2 metres is coarser ash tuff; lower contact is sharp at 80° to core axis. 566.93 567.85 BASALTIC DYKE: Dark green to black, fine-grained basaltic dyke, moderately magnetic; sharp, chilled, irregular contacts. 574.25 574.85 BASALTIC DYKE: Same as above dyke from 566.93 to 567.85 metres.	R8722768 R8722768 R8722770 R8722771 R8722772 R8722773 R8722798 R8722794 R8722795 R8722774 R8722775	559.92 559.92 561.44 562.97 564.49 566.01 567.84 569.37 570.89 572.41 574.85	561.44 561.44 562.97 564.49 566.01 566.93 569.37 570.89 572.41 574.24 576.38	1.52 1.52 1.52 1.52 1.52 .91 1.5? 1.5? 1.52 1.83 1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8722776	576.38	577.90	1.52						
			R8722777	577.90	578.82	.91						
			R8722778	578.82	580.34	1.52						
			R8722779	580.34	581.56	1.22						
			R8722728	581.56	582.17	.61						
			R8722729	582.17	583.69	1.52						
			R8722730	583.69	585.22	1.52						
			R8722731	585.22	586.13	.91						
586.10	605.65	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium to light grey coloured mix of cherty or silicified basaltic lapilli tuff and ash tuff; upper 1.8 metres is fine-grained, light grey, weakly laminated cherty(?) ash tuff; bedded at 70° to 90° to core axis; rest of interval is dominantly pale, cherty basalt to dacite(?) fragments within medium grey silica, weak sericite, pyrite (5%) matrix; local dark chlorite or brown-green sericite (phlogopite) alteration of matrix towards bottom of interval. 589.80 590.85 BASALTIC DYKE: Fine to medium-grained basaltic dyke, weakly magnetic, sharp contacts; upper contact is irregular; lower contact at 75° to core axis. 593.25 593.60 FAULT Intense milled fault zone with rock ground to a fine powder but not quite clayey gouge; very sharp contacts with competent, siliceous host-rock.	R8722732	586.13	587.65	1.52						
			R8722755	587.65	589.18	1.52						
			R8722756	589.18	589.79	.61						
			R8722757	589.79	591.31	1.52						
			R8722640	591.31	592.84	1.52						
			R8722641	592.84	594.36	1.52						
			R8722642	594.36	595.88	1.52						
			R8722643	595.88	597.41	1.52						
			R8722644	597.41	598.93	1.52						
			R8722645	598.93	600.46	1.52						
			R8722646	600.46	601.98	1.52						
			R8722733	601.98	603.50	1.52						
			R8722734	603.50	605.03	1.52						
			R8722735	605.03	606.55	1.52						
605.65	616.60	BASALT FLOW BRECCIA: SERICITIC , WITH DISSEMINATED PYRITE Medium grey coloured, strongly bleached and sericitized basalt(?) flow-breccia; faint light grey silica-filled amygdules (~3%) indicate rock is a flow; vague fragmental textures with trace to 2% brownish biotite alteration indicate brecciation; 5-10% fine disseminated pyrite is unevenly distributed, locally concentrated; upper contact is indistinct.	R8722736	606.55	608.69	2.13						
			R8722737	608.69	609.45	.76						
			R8722747	609.45	610.82	1.37						
			R8722748	610.82	612.34	1.52						
			R8722749	612.34	613.87	1.52						
			R8722750	613.87	615.39	1.52						
			R8722751	615.39	616.61	1.22						
616.60	620.10	BASALTIC DYKE: Fine to medium-grained, green-grey basaltic dyke with sharp contacts and chilled, black aphanitic margins; moderately to non-magnetic; upper contact is sharp but irregular due to quartz-veinleting within dyke; lower contact is same as upper.	R8722752	619.96	621.18	1.22						
620.10	641.30	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Variably grey to olive-green grey, sericitized basaltic lapilli tuff, mixed interval of ash tuff and pyritic mud both supporting ~20-40% sub-rounded lapilli fragments, often textures are indistinct; matrix varies from massive pyrite to fine sericitized mudstone to light greyish siliceous cherty ash tuff; pyrite averages ~10% over interval, however locally massive; lower contact location is approximate.	R8722753	621.18	623.01	1.83						
			R8722754	623.01	636.42	13.41						
			R8722620	624.23	624.84	.61						
			R8722621	624.84	626.21	1.37						
			R8722622	626.21	627.89	1.68						
			R8722623	627.89	629.41	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8722624	629.41	630.94	1.52						
			R8722625	630.94	632.46	1.52						
			R8722626	632.46	633.98	1.52						
			R8722627	633.98	635.51	1.52						
			R8722628	635.51	637.03	1.52						
			R8722629	637.03	638.56	1.52						
			R8722738	638.56	639.47	.91						
			R8722739	639.47	640.08	.61						
			R8722740	640.08	641.60	1.52						
641.30	654.40	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Variably light grey to buff grey; lapilli textures at top of interval are vague, possibly 'washed out' by weak silicification and sericitization; textures become increasingly evident downwards, with ~5% buff orange-beige, strongly clay-sericite altered angular lapilli fragments (<2cm) within pyritic ash-silica matrix; pyrite varies from ~2% at top of interval to 20% at bottom of interval; lower contact is vague.	R8722741	641.60	643.13	1.52						
			R8722742	643.13	644.65	1.52						
			R8722743	644.65	646.48	1.83						
			R8722758	646.48	648.01	1.52						
			R8722759	648.01	649.53	1.52						
			R8722760	649.53	651.05	1.52						
			R8722761	651.05	652.58	1.52						
			R8722762	652.58	654.10	1.52						
			R8722744	654.10	655.63	1.52						
654.40	670.85	BASALT LAPILLI TUFF: BIOTITIC , WITH DISSEMINATED PYRITE Brownish mottled, probable basaltic lapilli tuff protolith, strongly biotite altered groundmass with ~10-20% greyish 'fuzzy' porphyroblasts of cordierite as individual grains or coalesced into hard, grey masses; coarsely disseminated pyrite throughout, from 5-15%, locally concentrated into massive zones up to 8 cm wide; remnant fragmental lapilli textures are vague.	R8722745	655.63	657.15	1.52						
			R8722746	657.15	658.67	1.52						
			R8722763	658.67	660.20	1.52						
			R8722764	660.20	661.42	1.22						
			R8722765	661.42	662.94	1.52						
			R8722617	662.94	664.46	1.52						
			R8722766	664.46	665.99	1.52						
			R8722767	665.99	667.51	1.52						
			R8722618	667.51	669.04	1.52						
			R8722619	669.04	670.86	1.83						
670.85	672.70	SLOKO RYHOLITE DYKE: Brownish to brown-beige, very fine-grained rhyolite dyke, strongly flow-banded at 50° to core axis; upper contact is sharp at 50° to core axis; chilled contact margin.										
672.70		EOH										

Hole No: TC-87-3
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15344.10
(metres) E: 10276.70

Azimuth: 135.0
Dip: -55.0
Length (m): 672.70
Elevation: 266.20
(metres)

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DIAMOND DRILLING
Started: OCT. 16, 1987
Completed: OCT. 29, 1987
Recovery:

Purpose: To test down-dip stratigraphy and massive sulphide horizon.

Date Logged: OCT. 18, 1987
Logged By: H.KANG, M.J.CASSELMAN
Date Re-logged: OCT. 22-24, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:00pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722727	199.34	201.17	1.83		.00						186	19.4	2350	2670	>12900						
R8722716	201.17	202.84	1.68		.00						264	7.7	629	882	2140						
R8722717	203.61	204.22	.61		.00						22	.9	159	41	46						
R8722718	204.22	205.74	1.52		.00						<10	.8	48	40	46						
R8722719	205.74	207.26	1.52		.00						<10	<.4	18	9	20						
R8722720	207.26	208.79	1.52		.00						<10	.6	7	5	21						
R8722647	208.79	210.31	1.52		.00						20	.5	22	<4	19						
R8722721	210.31	211.84	1.52		.00						<10	<.4	20	<4	11						
R8722648	211.84	212.75	.91		.00						20	.6	95	<4	15						
R8722649	214.27	215.80	1.52		.00						<10	.6	6	<4	33						
R8722650	215.80	217.32	1.52		.00						<10	.5	12	7	30						
R8722651	217.32	218.85	1.52		.00						<10	.6	7	5	29						
R8722652	218.85	220.37	1.52		.00						<10	.6	3	<4	20						
R8722653	220.37	221.89	1.52		.00						22	.7	16	6	17						
R8722722	221.89	223.42	1.52		.00						20	.5	13	8	6						
R8722723	223.42	224.94	1.52		.00						22	<.4	6	<4	13						
R8722724	224.94	226.47	1.52		.00						<10	<.4	10	19	43						
R8722725	226.47	227.53	1.07		.00						28	.5	9	<4	18						
R8722726	227.53	228.60	1.07		.00						26	1.0	10	<4	14						
R8722708	228.60	230.43	1.83		.00						32	1.4	19	6	16						
R8722709	230.43	231.65	1.22		.00						20	.4	6	<4	12						
R8722710	231.65	233.17	1.52		.00						<10	.4	5	<4	16						
R8722711	233.17	234.09	.91		.00						22	1.1	9	<4	11						
R8722689	234.09	235.31	1.22		.00						20	.7	18	<4	8						
R8722690	235.31	236.83	1.52		.00						<10	.6	6	<4	9						
R8722691	236.83	238.35	1.52		.00						<10	.4	6	<4	16						
R8722692	238.35	238.96	.61		.00						<10	.4	6	<4	29						
R8722693	239.88	241.40	1.52		.00						<10	.6	12	<4	51						
R8722694	241.40	242.93	1.52		.00						<10	<.4	10	<4	48						
R8722695	242.93	244.45	1.52		.00						<10	.5	9	<4	35						
R8722654	244.45	245.36	.91		.00						<10	.4	30	5	48						
R8722655	245.36	246.89	1.52		.00						<10	3.4	351	5	38						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722656	246.89	248.41	1.52		.00						<10	2.3	191	<4	55						
R8722712	248.41	249.94	1.52		.00						<10	.7	42	<4	58						
R8722713	249.94	251.15	1.22		.00						<10	.4	32	<4	54						
R8722714	251.15	251.76	.61		.00						<10	<.4	109	<4	51						
R8722715	251.76	252.98	1.22		.00						<10	.5	12	<4	42						
R8722696	252.98	254.51	1.52		.00						<10	.4	8	<4	45						
R8722697	254.51	256.03	1.52		.00						<10	<.4	2	<4	45						
R8722698	256.03	257.56	1.52		.00						<10	.5	1	<4	47						
R8722699	257.56	259.23	1.68		.00						<10	.5	<1	<4	57						
R8722700	259.23	260.60	1.37		.00						<10	.4	<1	<4	43						
R8722701	260.60	262.13	1.52		.00						<10	.4	16	<4	44						
R8722702	262.13	263.65	1.52		.00						<10	.7	309	<4	60						
R8722703	263.65	265.18	1.52		.00						28	.9	295	12	112						
R8722704	265.18	266.70	1.52		.00						46	.7	180	<4	51						
R8722678	266.70	268.22	1.52		.00						22	.5	32	5	37						
R8722679	268.22	269.75	1.52		.00						<10	<.4	35	<4	58						
R8722680	269.75	271.27	1.52		.00						24	.8	65	51	94						
R8722681	271.27	271.88	.61		.00						102	3.0	55	38	812						
R8722667	271.88	272.95	1.07		.00						120	7.8	767	41	2770						
R8722668	272.95	274.32	1.37		.00						184	.8	117	42	544						
R8722669	274.32	275.69	1.37		.00						322	2.2	750	56	1920						
R8722670	275.69	277.37	1.68		.00						60	.7	82	15	203						
R8722671	277.37	278.89	1.52		.00						<10	<.4	935	<4	538						
R8722672	278.89	280.42	1.52		.00						40	.6	82	<4	219						
R8722673	280.42	281.03	.61		.00						<10	.6	741	<4	2020						
R8722657	281.03	282.55	1.52		.00						196	2.9	609	43	41						
R8722658	282.55	284.07	1.52		.00						202	5.3	400	24	25						
R8722659	284.07	285.60	1.52		.00						98	1.8	466	12	37						
R8722660	285.60	287.12	1.52		.00						176	5.2	134	16	38						
R8722661	287.12	288.65	1.52		.00						76	2.8	198	7	32						
R8722662	288.65	290.17	1.52		.00						36	1.4	62	<4	45						
R8722663	290.17	291.69	1.52		.00						40	.9	53	6	149						
R8722664	291.69	293.22	1.52		.00						60	1.2	87	9	105						
R8722780	293.22	294.74	1.52		.00						86	1.5	76	10	59						
R8722781	294.74	295.05	.30		.00						190	2.6	74	40	95						
R8722705	295.05	296.27	1.22		.00						516	9.4	99	118	91						
R8722706	296.27	297.79	1.52		.00						200	4.9	83	21	381						
R8722707	297.79	299.31	1.52		.00						120	3.7	75	25	139						
R8722682	299.31	300.84	1.52		.00						88	2.4	74	23	115						
R8722683	300.84	302.36	1.52		.00						312	16.5	235	685	841						
R8722684	302.36	303.89	1.52		.00						122	5.3	123	545	870						
R8722685	303.89	304.49	.61		.00						60	1.7	79	227	376						
R8722686	304.49	306.32	1.83		.00						20	.7	425	<4	170						
R8722687	306.32	307.54	1.22		.00						20	<.4	244	<4	126						
R8722688	307.54	308.46	.92		.00						<10	<.4	77	<4	91						
R8722674	308.46	309.07	.61		.00						118	2.2	145	22	575						
R8722675	309.07	310.59	1.52		.00						60	.9	69	11	185						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722676	310.59	312.11	1.52		.00						116	3.6	88	96	636						
R8722677	312.11	313.64	1.52		.00						114	9.4	79	39	359						
R8722665	313.64	315.16	1.52		.00						98	2.3	65	23	155						
R8722666	315.16	316.99	1.83		.00						124	2.3	50	23	1082						
R8722782	316.99	318.52	1.52		.00						192	5.2	69	166	272						
R8722783	318.52	320.04	1.52		.00						160	5.0	64	74	1170						
R8722784	320.04	321.56	1.52		.00						504	23.5	58	106	655						
R8722785	321.56	323.09	1.52		.00						186	7.3	53	73	1180						
R8722786	323.09	324.61	1.52		.00						72	2.8	33	13	51						
R8722787	324.61	326.14	1.52		.00						20	1.3	287	<4	21						
R8722788	326.14	327.05	.91		.00						36	.9	67	15	19						
R8722630	327.05	327.36	.31		.00						<10	.4	21	10	74						
R8722631	327.36	329.18	1.83		.00						<10	<.4	48	<4	46						
R8722632	329.18	330.71	1.52		.00						22	.5	35	17	91						
R8722633	345.95	346.56	.61		.00						20	.7	12	4	61						
R8722634	346.56	347.47	.91		.00						42	2.2	12	15	26						
R8722635	347.47	349.00	1.52		.00						42	1.7	10	12	26						
R8722636	349.00	350.52	1.52		.00						<10	.4	15	<4	20						
R8722637	350.52	352.35	1.83		.00						34	.8	14	5	21						
R8722638	533.09	533.71	.61		.00						66	1.0	24	10	38						
R8722639	533.71	534.62	.91		.00						42	.8	20	8	43						
R8722789	534.62	535.69	1.07		.00						70	1.5	56	10	15						
R8722790	535.69	537.06	1.37		.00						42	.6	48	<4	14						
R8722791	537.06	538.58	1.52		.00						44	.8	77	<4	14						
R8722792	538.58	539.80	1.22		.00						68	1.7	141	10	23						
R8722793	542.54	544.07	1.52		.00						62	1.6	38	19	26						
R8722796	548.03	548.79	.76		.00						20	<.4	11	5	25						
R8722797	558.09	559.92	1.83		.00						236	3.5	127	36	84						
R8722768	559.92	561.44	1.52		.00						92	.7	30	<4	21						
R8722768	559.92	561.44	1.52		.00						92	.7	30	<4	21						
R8722770	561.44	562.97	1.52		.00						22	<.4	34	<4	12						
R8722771	562.97	564.49	1.52		.00						<10	.4	39	<4	23						
R8722772	564.49	566.01	1.52		.00						<10	<.4	211	<4	23						
R8722773	566.01	566.93	.91		.00						<10	<.4	336	<4	33						
R8722798	567.84	569.37	1.52		.00						<10	<.4	616	<4	35						
R8722794	569.37	570.89	1.52		.00						<10	.4	27	<4	18						
R8722795	570.89	572.41	1.52		.00						<10	<.4	40	<4	19						
R8722774	572.41	574.24	1.83		.00						42	.6	53	7	32						
R8722775	574.85	576.38	1.52		.00						40	.7	50	6	30						
R8722776	576.38	577.90	1.52		.00						40	.6	35	<4	21						
R8722777	577.90	578.82	.91		.00						<10	<.4	588	<4	15						
R8722778	578.82	580.34	1.52		.00						36	<.4	25	<4	17						
R8722779	580.34	581.56	1.22		.00						38	.6	24	4	12						
R8722728	581.56	582.17	.61		.00						<10	<.4	19	8	33						
R8722729	582.17	583.69	1.52		.00						20	<.4	14	14	46						
R8722730	583.69	585.22	1.52		.00						46	<.4	29	14	39						
R8722731	585.22	586.13	.91		.00						76	.7	29	31	21						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722732	586.13	587.65	1.52		.00						64	1.4	30	30	144						
R8722755	587.65	589.18	1.52		.00						56	2.0	50	42	196						
R8722756	589.18	589.79	.61		.00						20	1.2	14	11	18						
R8722757	589.79	591.31	1.52		.00						20	.5	59	<4	31						
R8722640	591.31	592.84	1.52		.00						40	1.6	22	22	23						
R8722641	592.84	594.36	1.52		.00						22	2.1	26	265	490						
R8722642	594.36	595.88	1.52		.00						60	1.9	33	102	752						
R8722643	595.88	597.41	1.52		.00						78	3.1	65	275	1890						
R8722644	597.41	598.93	1.52		.00						176	6.5	56	458	403						
R8722645	598.93	600.46	1.52		.00						76	2.2	43	273	1320						
R8722646	600.46	601.98	1.52		.00						60	3.4	27	138	376						
R8722733	601.98	603.50	1.52		.00						80	4.7	30	141	1010						
R8722734	603.50	605.03	1.52		.00						26	1.0	13	15	131						
R8722735	605.03	606.55	1.52		.00						24	.6	16	<4	44						
R8722736	606.55	608.69	2.13		.00						28	.5	11	<4	32						
R8722737	608.69	609.45	.76		.00						34	.5	12	<4	23						
R8722747	609.45	610.82	1.37		.00						20	.7	10	<4	24						
R8722748	610.82	612.34	1.52		.00						46	.6	12	<4	17						
R8722749	612.34	613.87	1.52		.00						34	.9	13	5	15						
R8722750	613.87	615.39	1.52		.00						52	1.6	16	<4	5						
R8722751	615.39	616.61	1.22		.00						36	.9	10	<4	5						
R8722752	619.96	621.18	1.22		.00						156	1.8	32	10	26						
R8722753	621.18	623.01	1.83		.00						360	2.8	56	11	6						
R8722754	623.01	636.42	13.41		.00						1100	12.8	226	40	65						
R8722620	624.23	624.84	.61		.00						76	.9	29	12	14						
R8722621	624.84	626.21	1.37		.00						82	1.3	66	10	12						
R8722622	626.21	627.89	1.68		.00						40	1.0	86	10	26						
R8722623	627.89	629.41	1.52		.00						102	1.4	110	14	25						
R8722624	629.41	630.94	1.52		.00						196	.9	81	9	10						
R8722625	630.94	632.46	1.52		.00						82	.9	64	12	10						
R8722626	632.46	633.98	1.52		.00						62	1.0	51	6	11						
R8722627	633.98	635.51	1.52		.00						86	4.6	33	13	11						
R8722628	635.51	637.03	1.52		.00						72	1.6	53	10	8						
R8722629	637.03	638.56	1.52		.00						62	.4	40	13	12						
R8722738	638.56	639.47	.91		.00						332	19.0	257	38	21						
R8722739	639.47	640.08	.61		.00						54	2.7	44	7	11						
R8722740	640.08	641.60	1.52		.00						340	20.2	134	45	23						
R8722741	641.60	643.13	1.52		.00						136	5.7	92	12	12						
R8722742	643.13	644.65	1.52		.00						42	1.5	18	<4	2						
R8722743	644.65	646.48	1.83		.00						36	1.6	25	6	5						
R8722758	646.48	648.01	1.52		.00						<10	.7	191	6	19						
R8722759	648.01	649.53	1.52		.00						80	2.8	557	14	9						
R8722760	649.53	651.05	1.52		.00						106	2.0	49	6	8						
R8722761	651.05	652.58	1.52		.00						68	1.4	43	<4	10						
R8722762	652.58	654.10	1.52		.00						100	1.1	56	<4	14						
R8722744	654.10	655.63	1.52		.00						86	.9	53	<4	13						
R8722745	655.63	657.15	1.52		.00						22	.7	54	<4	16						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722746	657.15	658.67	1.52		.00						42	.7	47	<4	22						
R8722763	658.67	660.20	1.52		.00						34	.6	53	<4	22						
R8722764	660.20	661.42	1.22		.00						60	.8	131	<4	24						
R8722765	661.42	662.94	1.52		.00						62	.6	489	<4	45						
R8722617	662.94	664.46	1.52		.00						32	.6	664	<4	54						
R8722766	664.46	665.99	1.52		.00						44	<.4	947	<4	51						
R8722767	665.99	667.51	1.52		.00						106	<.4	33	6	20						
R8722618	667.51	669.04	1.52		.00						20	<.4	285	<4	37						
R8722619	669.04	670.86	1.83		.00						46	.8	669	<4	54						

Hole No: TC-87-4
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15403.00
(metres) E: 10329.50

Azimuth: 135.0
Dip: -55.0
Length (m): 687.93
Elevation: 291.40
(metres)
Purpose: To test down dip stratigraphy and massive sulphide horizon.

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: OCT. 22, 1987
Completed:
Recovery:

Date Logged:
Logged By: H. KONG
Date Re-logged: OCT. 24-27, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:18am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	135.0	-55.0															
152.4	139.0	-52.0	304.8		-52.0	457.2	140.0	-48.0	609.6	139.0	-46.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	6.10	CASING										
6.10	6.70	FAULT White quartz-calcite vein within shear zone at 60° to core axis.										
6.70	73.15	DACITE LAPILLI TUFF: Medium to dark grey green dacite lapilli tuff; pervasive weak propylitic alteration dominated by chloritization; textures are distinct; no preferred orientation of fragments; rare fragments of pale grey chert or silicified dacite of variable sizes (1 to ~8 cm); upper 4 metres is strongly limonite weathered along fractures. 16.70 16.80 FAULT Broken, blocky core with 3 cm of flakey, sheared gouge and clay. 27.12 28.50 FAULT Narrow fault zone ~1-3 cm wide, strongly chloritic-clay-gouge at low angle (0° to 5°) to core axis. 30.33 57.52 BASALTIC DYKE: Dark grey-green, fine-grained basaltic dyke, weak to moderate magnetic; upper and lower contacts are both sharp but irregular and quartz veinleted. 56.25 56.85 FAULT Sheared, foliated fault zone with flakey gougey chlorite-clay; at ~20° to core axis.										
73.15	108.05	BASALT FLOW: Dark to medium grey-green, fine-grained, generally homogeneous basalt flow, similar to that described in hole TC-87-5A from 35.05 to 120.40										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		metres; upper and lower contacts are sharp but irregular; weakly cut by planar calcite-filled veinlets. 100.25 100.90 FAULT Narrow shear zone ~3-5 cm wide at low angle to core; core is broken and rubbly.										
108.05	116.10	DACITE LAPILLI TUFF: Green grey chloritic dacite (to andesite?) lapilli tuff, strongly foliated sub- parallel or at a low angle to core axis; ~2% breccia-sized fragments of maroon grey to pale grey feldspar phyric dacite; ~2% bright hematite-red jasper as lenticular whisps up to 3 cm within foliated matrix; upper and lower contacts with dykes are irregular due to brecciation and broken core. 113.70 114.30 BASALTIC DYKE: Fine-grained, dark green dyke with sharp contacts, both at 20° to core axis; (probable sill).										
116.10	118.87	BASALTIC DYKE: Fine-grained, dark green basaltic dyke similar to that described above from 30.33 to 57.52 metres; quartz vein at 30° to core axis with ~20% epidote at 116.45 to 116.55 metres; upper dyke contact at 40° to core axis; lower contact is indistinct.										
118.87	144.87	DACITE LAPILLI TUFF: HEMATITIC Maroon grey dacite lapilli tuff; fragmental textures are distinct; matrix is chlorite, hematite altered; fragments are variably coloured (heterolithic) from pale grey, grey-green to maroon grey; upper 3 metres in contact with dyke is orange limonite/ankeritic weathered with intense quartz-calcite-epidote alteration and veinleting; lower 14 metres has pale buff-greenish sericite- calcite(?) lenses and whispy layers laminated and contorted around lapilli fragments; lower contact is sharp, marked by 5 cm of sheared sericite and clayey gouge.										
144.87	148.75	BASALTIC DYKE: Same as described above from 30.33 to 57.22 metres, however moderately cut by white and grey quartz-calcite veins and veinlets; upper contact is faulted and sheared; lower contact is sharp and irregular.										
148.75	162.45	DACITE LAPILLI TUFF: Medium grey to green grey; variably mixed, rounded fragments of coarse lapilli to breccia size within a chloritic, weakly siliceous tuff matrix; fragments are pale grey with a weak pinkish tinge, and vaguely feldspar phyric; cut by two narrow (20 cm) dykes between 150.50 and 151.0 metres; interval may represent a flow-top breccia for underlying dacite flow-breccia. 152.40 152.70 FAULT Broken core with intense chlorite-clay and gouge.										
162.45	167.05	BASALTIC DYKE: Fine to medium-grained, to coarse at centre; light geenish at contacts,										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		darkening inwards; contacts are chilled and sharp; upper contact is irregular and brecciated; lower contact at 50° to core axis.										
167.05	292.00	DACITE FLOW: HEMATITIC Greyish to pink-grey feldspar phyric, fine-grained dacite flow with local flow-brecciated zones, rare quartz-eyes, and poorly developed local flow-banding; feldspar phenocrysts are white to grey and only locally distinct, from 0.5 to 1 mm as anhedral to subhedral crystals and fargments; flow-breccia zones contain fragments, generally rounded to sub-rounded, from 1 cm to over 10 cm, with vaguely porphyritic matrix; local grain alignment is generally 30-50° to core axis and may represent flow-banding; interval is non-hematitic below 240 metres, becoming increasingly chloritic. 194.90 195.40 FAULT Bleached, silicified, fractured zone with ~1% pyrite; minor clay gouge over 1 to 2 mm in fractures. 199.12 199.95 Bleached zone, silicified, weakly fractured, trace pyrite, rare gouge. 205.15 206.05 FAULT Bleached zone, pale green; local intense gouge over 2 to 10 cm. 218.85 225.85 Pale grey silicified zone of massive flow; alteration and bleaching is gradational; weakly cut by white quartz veinlets and veins up to 3 cm wide, at low (5-20°) angle to core axis. 230.00 256.00 Increasing amount of fragmental textures with intermixed dacite lapilli tuff intervals.										
292.00	311.80	DACITE LAPILLI TUFF: CHLORITIC Medium to dark green, chloritic dacite lapilli tuff; chlorite alteration increases downwards to dark green at bottom; rare grey, fine-grained breccia fragments (altered andesite?); lower 9 metres is characterized by presence of ~10% white angular chert fragments within dark green chloritic, foliated matrix, with ~2% pyrite.	R8722414	302.97	303.89	.91						
			R8722415	303.89	305.41	1.52						
			R8722416	305.41	306.93	1.52						
			R8722417	306.93	307.54	.61						
			R8722418	307.54	309.07	1.52						
			R8722419	309.07	310.59	1.52						
			R8722420	310.59	311.81	1.22						
311.80	333.45	CHERT: CHLORITIC , WITH DISSEMINATED PYRITE White to light grey chert fragments (50-60%) intermixed with ~30-40% dark green chlorite as chaotic fragmental tuff or slump - debris flow; chert varies from fragments to matrix, interstitial to chlorite fragments; locally chert and chlorite are finely banded or foliated at a high angle to core axis; 2-5% pyrite intermixed throughout; ~2% gypsum or barite; upper contact is rapidly gradational with overlying interval; lower contact is sharp.	R8722421	311.81	312.73	.92						
			R8722422	312.73	314.25	1.52						
			R8722423	314.25	315.77	1.52						
			R8722331	315.77	317.30	1.52						
			R8722332	317.30	318.82	1.52						
			R8722333	318.82	320.35	1.52						
			R8722334	320.35	321.56	1.22						
			R8722335	321.56	323.39	1.83						
			R8722314	323.39	324.92	1.52						
			R8722315	324.92	326.44	1.52						
			R8722316	326.44	327.96	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8722317	327.96	329.49	1.52						
			R8722318	329.49	330.71	1.22						
			R8722319	330.71	331.17	.46						
			R8722390	331.17	331.47	.30						
			R8722391	331.47	331.93	.46						
			R8722392	331.93	332.23	.30						
			R8722393	332.23	332.84	.61						
			R8722394	332.84	333.60	.76						
333.45	335.00	BASALTIC DYKE: Dark grey-green, very fine-grained dyke, weakly epidote, quartz fractured; upper and lower contacts are sharp at 20° to core axis.	R8722395	333.60	334.98	1.37						
			R8722396	334.98	335.74	.76						
335.00	336.95	PYRITE FACIES: , WITH MASSIVE PYRITE Pyritic, fine-grained, sericitic dacite(?) ash tuff, olive-green grey colour; up to 50-60% very fine-grained massive pyrite, trace to ~2% chalcopyrite?, to crudely banded pyritic ash at 50° to core axis; bedding locally contorted (soft sediment slumpage); trace sphalerite?.	R8722397	335.74	336.80	1.07						
			R8722398	336.80	336.96	.15						
336.95	358.45	BASALT ASH TUFF: CHLORITIC , WITH DISSEMINATED PYRITE Medium to dark greenish grey, fine-grained, chloritic altered ash tuff (with local weak sericite?) with ~5-10% coarsely disseminated granular to cubic pyrite, locally up to ~50% in massive pods and bands; lapilli tuff intervals towards bottom with light grey, rounded chert fragments supported in altered pyritic ash matrix; lower contact indicated by rapid colour change.	R8722399	336.96	338.33	1.37						
			R8722353	338.33	339.55	1.22						
			R8722354	339.55	341.07	1.52						
			R8722355	341.07	342.60	1.52						
			R8722356	342.60	343.05	.46						
			R8722357	343.05	344.42	1.37						
			R8722358	344.42	345.95	1.52						
			R8722363	345.95	347.47	1.52						
			R8722364	347.47	348.39	.91						
			R8722365	348.39	349.61	1.22						
			R8722366	349.61	350.21	.61						
			R8722336	350.21	351.74	1.52						
			R8722337	351.74	353.26	1.52						
			R8722338	353.26	354.79	1.52						
			R8722339	354.79	356.31	1.52						
			R8722320	356.31	357.53	1.22						
			R8722321	357.53	357.99	.46						
			R8722322	357.99	358.29	.30						
			R8722323	358.29	358.45	.15						
			R8722324	358.45	359.97	1.52						
358.45	401.10	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium grey, locally light to dark, mixed basaltic lapilli tuff to ash tuff; interval is moderate to strongly sericitized and silicified with lapilli textures being variably indistinct and 'fuzzy'; fragments vary from light to dark grey altered basalt in a pyritic (~2-10%) sericite ash; local chert fragments (~2%); occasional layers of fine-grained	R8722325	359.97	361.49	1.52						
			R8722400	361.49	363.02	1.52						
			R8722401	363.02	364.24	1.22						
			R8722402	364.24	364.54	.30						
			R8722403	364.54	366.07	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		altered basalt ash tuff up to ~3 metres wide.	R8722404	366.07	366.98	.91						
			R8722359	366.98	368.50	1.52						
			R8722360	368.50	369.42	.92						
			R8722361	369.42	370.94	1.52						
			R8722362	370.94	372.92	1.98						
			R8722370	372.92	374.29	1.37						
			R8722371	374.29	375.82	1.52						
			R8722372	375.82	377.34	1.52						
			R8722495	377.34	378.87	1.52						
			R8722496	378.87	380.39	1.52						
			R8722455	380.39	381.00	.61						
			R8722381	381.00	383.13	2.13						
			R8722382	383.13	384.51	1.37						
			R8722383	384.51	385.88	1.37						
			R8722384	385.88	387.25	1.37						
			R8722385	387.25	387.71	.46						
			R8722526	387.71	389.99	2.29						
			R8722527	389.99	391.82	1.83						
			R8722528	391.82	392.13	.30						
			R8722529	392.13	393.50	1.37						
			R8722530	393.50	395.02	1.52						
			R8722340	395.02	396.55	1.52						
			R8722341	396.55	397.15	.61						
			R8722342	397.15	398.68	1.52						
			R8722343	398.68	400.20	1.52						
			R8722344	400.20	401.12	.92						
401.10	409.00	BASALT ASH TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Pale grey, very fine-grained basaltic dust tuff to fine ash tuff with very rare chert lapilli; moderatelly silicified; 2-3% fine, evenly disseminated pyrite throughout; trace hairline chlorite fractures.	R8722367	401.12	402.64	1.52						
			R8722368	402.64	404.17	1.52						
			R8722369	404.17	405.69	1.52						
			R8722488	405.69	407.21	1.52						
			R8722489	407.21	409.04	1.83						
409.00	441.05	BASALT LAPILLI TUFF: CHLORITIC , WITH DISSEMINATED PYRITE Variably coloured mixed interval of dacitic(?) to basaltic fragments; local intervals up to 2-5 metres wide of whitish chert, pyrite (~10%) ± barite(?) as possible debris flows, interlayered with dark olive-green grey, strongly chloritic, sericitic ash to lapilli tuff with 10-20% pyrite, locally up to 60% as massive bands over ~50 cm.	R8722490	409.04	410.26	1.22						
			R8722491	410.26	411.48	1.22						
			R8722492	411.48	411.94	.46						
			R8722493	411.94	414.07	2.13						
			R8722494	414.07	414.83	.76						
			R8722405	414.83	416.66	1.83						
			R8722406	416.66	418.19	1.52						
			R8722407	418.19	419.71	1.52						
			R8722408	419.71	420.93	1.22						
			R8722409	420.93	422.45	1.52						
			R8722410	422.45	423.82	1.37						
			R8722411	423.82	424.28	.46						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8722412	424.28	425.81	1.52						
			R8722413	425.81	426.72	.91						
			R8722447	426.72	428.85	2.13						
			R8722448	428.85	430.38	1.52						
			R8722449	430.38	431.29	.91						
			R8722450	431.29	433.43	2.13						
			R8722451	433.43	434.95	1.52						
			R8722452	434.95	436.47	1.52						
			R8722453	436.47	438.00	1.52						
			R8722454	438.00	439.52	1.52						
			R8722386	439.52	441.05	1.52						
			R8722387	441.05	442.57	1.52						
441.05	457.80	BASALT FLOW: CHLORITIC , WITH DISSEMINATED PYRITE Dark green to black, strongly chlorite altered, quartz amygdaloidal (~2-3%) basalt flow, with ~5-10% disseminated pyrite; upper contact is rapid indicated by colour change. 453.00 454.15 Fine-grained, grey green dyke; weak to non-magnetic; sharp contacts. 456.60 457.80 FAULT Low angle fault/shear zone, strongly sericite-chlorite altered and foliated; local clayey gouge with weak pyrite (~2-5%).	R8722388	442.57	444.09	1.52						
			R8722389	444.09	445.62	1.52						
			R8722531	445.62	447.14	1.52						
			R8722532	447.14	448.67	1.52						
			R8722533	448.67	449.43	.76						
			R8722534	449.43	450.34	.91						
			R8722535	450.34	452.17	1.83						
			R8722326	454.15	455.07	.91						
			R8722327	455.07	455.68	.61						
			R8722328	455.68	457.81	2.13						
457.80	468.02	SLOKO RYHOLITE DYKE: Buff white to grey, fine-grained to aphanitic; strongly flow-banded at 20-25° to core axis, paralleling sharp, upper and lower contacts; local internal flow brecciation; rare spherulites.										
468.02	480.35	EXHALITIC TUFF: SERICITIC , WITH BANDED PYRITE Medium grey, fine to coarse ash tuff with ~5-10% lapilli-sized fragments with local masses and bands of ~50% fine pyrite; interval averages 10-15% pyrite, commonly in irregularly folded veinlets or as variably concentrated disseminations; host rock is sericite, silica altered, with patchy zones of chlorite-hematite; upper 1 metre is strongly sheared and foliated at low angle to core axis.	R8722329	468.02	469.39	1.37						
			R8722330	469.39	471.37	1.98						
			R8722373	471.37	473.05	1.68						
			R8722374	473.05	474.57	1.52						
			R8722375	474.57	476.13	1.55						
			R8722376	478.60	480.36	1.77						
481.45	504.15	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Light grey to whitish chert, sericite fragmental, possible debris flow; dominantly whitish chert fragments (or intense silicified dacite lapilli) within a greyish, strongly silicified, pyritic matrix, with ~5% disseminated pyrite; trace to 2% white, soft fragments of either barite or gypsum; downwards sericitic matrix changes to dominantly chlorite-sericite at bottom; locally sheared and foliated over lower 3 metres at 30-50° to core axis.	R8722377	481.43	482.50	1.07						
			R8722378	482.50	484.02	1.52						
			R8722379	484.33	485.55	1.22						
			R8722380	485.55	487.07	1.52						
			R8722345	487.07	488.59	1.52						
			R8722346	488.59	490.12	1.52						
			R8722351	490.12	491.64	1.52						
			R8722347	491.64	493.17	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8722507	493.17	494.69	1.52						
			R8722508	494.69	496.21	1.52						
			R8722509	496.21	497.74	1.52						
			R8722510	497.74	499.26	1.52						
			R8722511	499.26	500.79	1.52						
			R8722512	500.79	502.31	1.52						
			R8722513	502.31	504.14	1.83						
			R8722514	504.14	504.44	.30						
504.15	506.90	PYRITE FACIES: , WITH MASSIVE PYRITE Very fine-grained pyritic mud to massive pyrite (80%) with ~2% coarse crystalline pyrite; interval is locally well banded to bedded at 65° to core axis; top 0.6 metres of interval is contorted, fragmental mixture of pyrite, sericite and ~5% very fine grey sulphides (sphalerite and minor galena).	R8722515	504.44	504.75	.30						
			R8722516	504.75	506.27	1.52						
			R8722517	506.27	507.80	1.52						
506.90	519.05	BASALT LAPILLI TUFF: BIOTITIC , WITH DISSEMINATED PYRITE Medium brownish grey fragmental basalt(?) lapilli tuff to ash tuff with ~5% quartz and/or pyrite filled amygdules in scoriaceous, vesicular fragments (or cordierite-pyrite porphyroblasts); groundmass has patchy strong brownish biotite (phlogopite) alteration; ~5% disseminated pyrite unevenly distributed throughout; foliation of tuff fragments is increasingly dominant downwards, at 65° to 70° to core axis.	R8722518	507.80	509.32	1.52						
			R8722348	509.32	510.85	1.52						
			R8722349	510.85	512.37	1.52						
			R8722350	512.37	513.89	1.52						
			R8722352	513.89	515.42	1.52						
			R8722519	515.42	516.94	1.52						
			R8722520	516.94	518.92	1.98						
			R8722521	518.92	519.07	.15						
519.05	525.45	BASALT LAPILLI TUFF: CHLORITIC , WITH DISSEMINATED PYRITE Light grey to whitish, crudely banded to fragmental, with disrupted beds of white chert and light grey gypsum; whispy matrix of greenish-brown mix of phlogopite-chlorite; local bedding and foliation at 60-70° to core axis; 2% disseminated pyrite increasing to 5-8% at bottom of interval.	R8722522	519.07	520.60	1.52						
			R8722523	520.60	522.12	1.52						
			R8722524	522.12	523.65	1.52						
			R8722525	523.65	525.17	1.52						
			R8722545	524.87	526.39	1.52						
525.45	539.50	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Texturally similar to above interval from 506.90 to 519.05 metres; medium to dark grey to dark olive-green grey; upper 1.2 metres is ~75% massive, fine-grained pyrite; ~2-3% white cherty fragments in sericite-pyrite matrix; pyrite varies from 3-8% throughout as very fine disseminations; fine chlorite to biotite alteration downwards, destroying textures; trace to 2% round quartz filled amygdules over lower 5 metres of interval.	R8722546	526.39	527.91	1.52						
			R8722547	527.91	529.44	1.52						
			R8722548	529.44	530.96	1.52						
			R8722549	530.96	532.49	1.52						
			R8722550	532.49	533.86	1.37						
			R8722551	533.86	535.38	1.52						
			R8722439	535.38	536.91	1.52						
			R8722440	536.91	538.43	1.52						
			R8722441	538.43	539.80	1.37						
539.50	566.60	BASALT FLOW: CHLORITIC , WITH DISSEMINATED PYRITE Black, very fine-grained basaltic flow with ~2% round quartz-filled amygdules, locally elongated; weak to moderate chlorite alteration	R8722442	539.80	541.33	1.52						
			R8722443	541.33	542.85	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		however core is hard (H~4-5); 3-5% pyrite throughout, locally concentrated into irregular swirled, massive pods; interval is locally strongly cut by pyritic veins and masses; possible submarine basalt flow (pillowed?) breccia with interstitial pyrite.	R8722463	542.85	544.37	1.52						
			R8722552	544.37	545.90	1.52						
			R8722553	545.90	547.12	1.22						
			R8722444	550.77	552.45	1.68						
			R8722445	552.45	553.97	1.52						
			R8722446	553.97	555.50	1.52						
			R8722459	555.50	557.02	1.52						
			R8722460	557.02	558.55	1.52						
			R8722461	558.55	560.07	1.52						
			R8722462	560.07	561.59	1.52						
			R8722471	561.59	563.12	1.52						
			R8722472	563.12	564.49	1.37						
			R8722473	564.49	566.01	1.52						
			R8722474	566.01	566.93	.91						
566.60	584.60	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Olive-green grey, moderate to strongly sericitized basalt(?), fine to coarse ash tuff, to locally lapilli tuff; rare flakes of apple green sericite (or fuchsite?); 2-5% very finely disseminated pyrite increasing downwards to 20% with locally massive pyrite over 2-5 cm; from 580.80 to 582.75 metres is black, chloritic lapilli tuff with ~10-15% disseminated pyrite in sericite-chlorite matrix.	R8722475	566.93	568.45	1.52						
			R8722476	568.45	569.98	1.52						
			R8722424	569.98	571.50	1.52						
			R8722425	571.50	573.02	1.52						
			R8722426	573.02	574.55	1.52						
			R8722427	574.55	576.07	1.52						
			R8722432	576.07	577.60	1.52						
			R8722433	577.60	579.12	1.52						
			R8722456	579.12	580.64	1.52						
			R8722457	580.64	582.17	1.52						
			R8722458	582.17	583.17	1.01						
			R8722477	583.17	584.58	1.40						
			R8722478	584.58	586.59	2.01						
584.60	590.10	BASALT ASH TUFF: CORDIERITE , WITH BANDED PYRITE Dark greenish, fine-grained basaltic ash tuff to argillite, interbedded with massive pyritic bands and laminations from 0.5 to 6 cm wide; total pyrite averages ~15%; numerous fine, white, circular cordiertie porphyroblasts average 1 mm diameter, locally concentrated up to 20%; occasional grey chert bands (<3 cm wide) and coarse epiclastic(?) layers up to ~5 cm wide; bedding at 70-75° to core axis.	R8722428	586.59	588.26	1.68						
			R8722429	588.26	590.12	1.86						
590.10	595.00	BASALT LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Light grey to white, siliceous fragmental tuff with white chert (~60%) and greyish, intense sericite altered fragments (~40%); varies from cherty fragments in sericite to sericitic fragments in chert matrix; ~2% pyrite throughout.	R8722430	590.12	591.62	1.49						
			R8722431	591.62	593.45	1.83						
			R8722434	593.45	594.97	1.52						
			R8722435	594.97	596.49	1.52						
595.00	641.45	BASALT ASH TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Fine to coarse, medium grey basalt ash tuff, with occasional (~2%) lapilli fragments and rare fine chert fragments; interval is massive	R8722436	596.49	598.02	1.52						
			R8722437	598.02	599.54	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		except for local developed bedding or sorting of ash at 45° to core axis; weak patchy silicified zones.	R8722438	599.54	600.15	.61						
			R8722536	600.15	601.07	.91						
			R8722537	601.07	602.59	1.52						
			R8722538	602.59	604.11	1.52						
			R8722539	604.11	605.64	1.52						
			R8722540	605.64	607.16	1.52						
			R8722541	607.16	608.69	1.52						
			R8722497	608.69	610.21	1.52						
			R8722498	610.21	611.73	1.52						
			R8722499	611.73	613.26	1.52						
			R8722500	613.26	614.78	1.52						
			R8722501	614.78	616.61	1.83						
			R8722542	633.07	634.59	1.52						
			R8722543	634.59	636.12	1.52						
			R8722544	636.12	637.64	1.52						
			R8722502	637.64	639.17	1.52						
			R8722503	639.17	640.69	1.52						
			R8722504	640.69	642.52	1.83						
619.50	620.60	BASALTIC DYKE: Very fine grained, dark green to black dyke, moderately magnetic; sharp contacts at 35° to core axis.										
626.65	630.95	BASALTIC DYKE: Medium grained, green grey dyke, weakly magnetic; sharp contacts; upper contact at 40° to core axis; lower contact at irregular, low (~15-20°) angle to core axis.										
641.45	677.00	BASALT LAPILLI TUFF: BIOTITIC , WITH DISSEMINATED PYRITE Dark greenish-brown-grey mixed basaltic lapilli tuff with variable fragments, including ~10% pyritic dacite fragments, ~5% white silicified or chert fragments, and dark green to black basalt fragments; patchy brown biotitization of groundmass; 2-3% coarse disseminated pyrite and trace chalcopyrite (locally concentrated) throughout; lower contact is gradational.	R8722505	642.52	644.04	1.52						
			R8722486	644.04	645.57	1.52						
			R8722506	645.57	647.09	1.52						
			R8722483	649.53	651.05	1.52						
			R8722484	651.05	652.58	1.52						
			R8722485	652.58	654.10	1.52						
			R8722554	654.10	655.63	1.52						
			R8722555	655.63	657.15	1.52						
			R8722556	657.15	658.67	1.52						
			R8722557	658.67	660.20	1.52						
			R8722558	660.20	661.72	1.52						
			R8722559	661.72	663.24	1.52						
			R8722487	663.24	664.77	1.52						
			R8722560	664.77	666.29	1.52						
			R8722561	666.29	667.82	1.52						
			R8722562	667.82	669.34	1.52						
			R8722563	669.34	670.86	1.52						
			R8722464	670.86	672.39	1.52						
			R8722465	672.39	673.91	1.52						
			R8722466	673.91	675.44	1.52						
			R8722467	675.44	676.96	1.52						
			R8722468	676.96	678.48	1.52						
677.00	687.93	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Same rock type as described above, however bleached to pale brown-grey colour and weak to moderately sericitized; locally silicified; 2-3% disseminated and veinleted pyrite.	R8722469	678.48	680.01	1.52						
			R8722470	680.01	681.53	1.52						
			R8722479	681.53	683.06	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8722480	683.06	684.58	1.52						
			R8722481	684.58	686.10	1.52						
			R8722482	686.10	687.93	1.83						
687.93		EOH										

Hole No: TC-87-4
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15403.00
(metres) E: 10329.50

Azimuth: 135.0
Dip: -55.0
Length (m): 687.93
Elevation: 291.40 (metres)
Purpose: To test down dip stratigraphy and massive sulphide horizon.

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: OCT. 22, 1987
Completed:
Recovery:

Date Logged:
Logged By: H. KONG
Date Re-logged: OCT. 24-27, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:00pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722414	302.97	303.89	.91		.00						20	2.1	1550	8	255						
R8722415	303.89	305.41	1.52		.00						1160	13.5	363	839	2380						
R8722416	305.41	306.93	1.52		.00						506	1.7	32	24	122						
R8722417	306.93	307.54	.61		.00						<10	<.4	10	9	127						
R8722418	307.54	309.07	1.52		.00						<10	<.4	26	6	162						
R8722419	309.07	310.59	1.52		.00						<10	<.4	5	<4	119						
R8722420	310.59	311.81	1.22		.00						<10	<.4	3	<4	79						
R8722421	311.81	312.73	.92		.00						80	1.3	258	16	51						
R8722422	312.73	314.25	1.52		.00						<10	<.4	32	12	58						
R8722423	314.25	315.77	1.52		.00						22	.9	36	57	57						
R8722331	315.77	317.30	1.52		.00						40	.6	32	37	11						
R8722332	317.30	318.82	1.52		.00						58	.6	183	31	36						
R8722333	318.82	320.35	1.52		.00						26	.4	56	8	42						
R8722334	320.35	321.56	1.22		.00						<10	<.4	12	8	30						
R8722335	321.56	323.39	1.83		.00						<10	<.4	18	10	35						
R8722314	323.39	324.92	1.52		.00						22	<.4	26	143	233						
R8722315	324.92	326.44	1.52		.00						106	1.7	1410	34	144						
R8722316	326.44	327.96	1.52		.00						102	2.4	997	27	49						
R8722317	327.96	329.49	1.52		.00						20	<.4	30	8	47						
R8722318	329.49	330.71	1.22		.00						<10	<.4	22	12	88						
R8722319	330.71	331.17	.46		.00						<10	<.4	12	12	21						
R8722390	331.17	331.47	.30		.00						138	<.4	56	16	33						
R8722391	331.47	331.93	.46		.00						<10	<.4	24	6	198						
R8722392	331.93	332.23	.30		.00						24	<.4	34	31	32						
R8722393	332.23	332.84	.61		.00						<10	<.4	22	9	126						
R8722394	332.84	333.60	.76		.00						22	<.4	58	82	133						
R8722395	333.60	334.98	1.37		.00						26	.4	102	43	131						
R8722396	334.98	335.74	.76		.00						1052	17.8	>14800	35	5090						
R8722397	335.74	336.80	1.07		.00						1396	13.0	1720	191	162						
R8722398	336.80	336.96	.15		.00						4460	102.0	>40600	229	2990						
R8722399	336.96	338.33	1.37		.00						562	19.1	3150	282	766						
R8722353	338.33	339.55	1.22		.00						420	4.1	54	140	305						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722354	339.55	341.07	1.52		.00						298	10.1	735	147	363						
R8722355	341.07	342.60	1.52		.00						178	2.6	522	73	173						
R8722356	342.60	343.05	.46		.00						40	1.0	89	25	312						
R8722357	343.05	344.42	1.37		.00						40	1.3	54	13	290						
R8722358	344.42	345.95	1.52		.00						26	<.4	114	12	1390						
R8722363	345.95	347.47	1.52		.00						42	.8	67	16	381						
R8722364	347.47	348.39	.91		.00						<10	<.4	98	<4	357						
R8722365	348.39	349.61	1.22		.00						26	.4	336	12	4980						
R8722366	349.61	350.21	.61		.00						<10	<.4	24	4	159						
R8722336	350.21	351.74	1.52		.00						42	<.4	138	18	402						
R8722337	351.74	353.26	1.52		.00						32	<.4	533	11	612						
R8722338	353.26	354.79	1.52		.00						34	.5	486	12	204						
R8722339	354.79	356.31	1.52		.00						42	.5	59	8	118						
R8722320	356.31	357.53	1.22		.00						158	1.0	53	18	208						
R8722321	357.53	357.99	.46		.00						40	<.4	43	5	68						
R8722322	357.99	358.29	.30		.00						60	<.4	52	6	104						
R8722323	358.29	358.45	.15		.00						80	1.0	67	12	27						
R8722324	358.45	359.97	1.52		.00						78	1.4	21	21	15						
R8722325	359.97	361.49	1.52		.00						102	.7	23	22	33						
R8722400	361.49	363.02	1.52		.00						140	2.0	284	20	70						
R8722401	363.02	364.24	1.22		.00						208	2.7	130	34	73						
R8722402	364.24	364.54	.30		.00						92	.9	148	15	111						
R8722403	364.54	366.07	1.52		.00						148	.7	114	21	167						
R8722404	366.07	366.98	.91		.00						192	1.3	859	28	128						
R8722359	366.98	368.50	1.52		.00						166	.9	51	61	133						
R8722360	368.50	369.42	.92		.00						28	<.4	80	24	81						
R8722361	369.42	370.94	1.52		.00						80	.4	59	54	74						
R8722362	370.94	372.92	1.98		.00						84	1.4	150	81	209						
R8722370	372.92	374.29	1.37		.00						234	1.5	91	143	91						
R8722371	374.29	375.82	1.52		.00						138	.8	196	104	237						
R8722372	375.82	377.34	1.52		.00						126	1.4	374	26	202						
R8722495	377.34	378.87	1.52		.00						106	1.0	46	79	121						
R8722496	378.87	380.39	1.52		.00						72	<.4	39	49	132						
R8722455	380.39	381.00	.61		.00						<10	.5	20	10	155						
R8722381	381.00	383.13	2.13		.00						24	<.4	15	13	61						
R8722382	383.13	384.51	1.37		.00						40	<.4	22	7	82						
R8722383	384.51	385.88	1.37		.00						62	<.4	23	16	24						
R8722384	385.88	387.25	1.37		.00						50	<.4	130	14	66						
R8722385	387.25	387.71	.46		.00						80	.6	381	16	104						
R8722526	387.71	389.99	2.29		.00						46	<.4	136	17	165						
R8722527	389.99	391.82	1.83		.00						20	<.4	36	11	74						
R8722528	391.82	392.13	.30		.00						<10	<.4	29	<4	76						
R8722529	392.13	393.50	1.37		.00						36	<.4	1091	6	77						
R8722530	393.50	395.02	1.52		.00						20	.4	36	10	58						
R8722340	395.02	396.55	1.52		.00						40	<.4	16	8	41						
R8722341	396.55	397.15	.61		.00						32	<.4	37	8	37						
R8722342	397.15	398.68	1.52		.00						36	<.4	16	7	50						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722343	398.68	400.20	1.52		.00						38	<.4	20	11	44						
R8722344	400.20	401.12	.92		.00						30	<.4	15	<4	40						
R8722367	401.12	402.64	1.52		.00						<10	<.4	18	<4	49						
R8722368	402.64	404.17	1.52		.00						22	.4	28	4	43						
R8722369	404.17	405.69	1.52		.00						40	<.4	29	4	14						
R8722488	405.69	407.21	1.52		.00						<10	<.4	325	<4	15						
R8722489	407.21	409.04	1.83		.00						<10	<.4	47	<4	19						
R8722490	409.04	410.26	1.22		.00						<10	<.4	29	5	49						
R8722491	410.26	411.48	1.22		.00						<10	<.4	25	4	45						
R8722492	411.48	411.94	.46		.00						<10	<.4	34	9	96						
R8722493	411.94	414.07	2.13		.00						24	.8	187	10	25						
R8722494	414.07	414.83	.76		.00						<10	<.4	30	6	13						
R8722405	414.83	416.66	1.83		.00						80	1.6	84	40	613						
R8722406	416.66	418.19	1.52		.00						86	1.0	24	29	185						
R8722407	418.19	419.71	1.52		.00						156	2.1	38	61	89						
R8722408	419.71	420.93	1.22		.00						166	2.0	44	55	93						
R8722409	420.93	422.45	1.52		.00						180	2.8	632	30	56						
R8722410	422.45	423.82	1.37		.00						114	1.2	2060	25	2880						
R8722411	423.82	424.28	.46		.00						124	1.1	59	45	62						
R8722412	424.28	425.81	1.52		.00						126	1.6	1710	81	9170						
R8722413	425.81	426.72	.91		.00						154	1.9	4460	57	9010						
R8722447	426.72	428.85	2.13		.00						66	3.0	>10510	58	247						
R8722448	428.85	430.38	1.52		.00						126	2.4	113	77	44						
R8722449	430.38	431.29	.91		.00						344	4.1	177	205	901						
R8722450	431.29	433.43	2.13		.00						46	1.2	44	35	31						
R8722451	433.43	434.95	1.52		.00						20	1.6	76	33	22						
R8722452	434.95	436.47	1.52		.00						<10	.5	71	19	22						
R8722453	436.47	438.00	1.52		.00						30	.9	228	20	60						
R8722454	438.00	439.52	1.52		.00						124	2.0	717	33	50						
R8722386	439.52	441.05	1.52		.00						178	2.5	1027	42	36						
R8722387	441.05	442.57	1.52		.00						98	2.5	1086	33	72						
R8722388	442.57	444.09	1.52		.00						54	3.3	2340	18	92						
R8722389	444.09	445.62	1.52		.00						<10	1.6	992	10	147						
R8722531	445.62	447.14	1.52		.00						<10	2.7	2360	35	218						
R8722532	447.14	448.67	1.52		.00						52	5.3	1740	82	304						
R8722533	448.67	449.43	.76		.00						<10	<.4	128	23	127						
R8722534	449.43	450.34	.91		.00						<10	<.4	119	36	147						
R8722535	450.34	452.17	1.83		.00						<10	<.4	765	45	321						
R8722326	454.15	455.07	.91		.00						40	<.4	96	18	314						
R8722327	455.07	455.68	.61		.00						<10	<.4	2	26	28						
R8722328	455.68	457.81	2.13		.00						64	.7	92	24	44						
R8722329	468.02	469.39	1.37		.00						40	.4	43	27	45						
R8722330	469.39	471.37	1.98		.00						22	<.4	18	13	22						
R8722373	471.37	473.05	1.68		.00						<10	<.4	20	14	49						
R8722374	473.05	474.57	1.52		.00						260	2.1	50	59	22						
R8722375	474.57	476.13	1.55		.00						60	1.8	60	48	24						
R8722376	478.60	480.36	1.77		.00						46	.4	51	26	19						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722377	481.43	482.50	1.07		.00						38	.9	115	28	16						
R8722378	482.50	484.02	1.52		.00						26	.4	18	16	23						
R8722379	484.33	485.55	1.22		.00						20	<.4	20	51	17						
R8722380	485.55	487.07	1.52		.00						26	1.5	31	41	42						
R8722345	487.07	488.59	1.52		.00						78	3.9	3620	131	349						
R8722346	488.59	490.12	1.52		.00						34	1.5	39	308	345						
R8722351	490.12	491.64	1.52		.00						40	.7	27	134	784						
R8722347	491.64	493.17	1.52		.00						66	.8	24	45	526						
R8722507	493.17	494.69	1.52		.00						158	4.1	691	156	2820						
R8722508	494.69	496.21	1.52		.00						148	3.7	1018	60	1310						
R8722509	496.21	497.74	1.52		.00						<10	.6	1086	10	52						
R8722510	497.74	499.26	1.52		.00						22	1.1	749	47	456						
R8722511	499.26	500.79	1.52		.00						<10	<.4	237	250	3180						
R8722512	500.79	502.31	1.52		.00						40	3.7	329	3930	3500						
R8722513	502.31	504.14	1.83		.00						<10	<.4	78	128	1190						
R8722514	504.14	504.44	.30		.00						606	41.2	6130	7450	>15550						
R8722515	504.44	504.75	.30		.00						642	53.3	3350	>35900	>83000						
R8722516	504.75	506.27	1.52		.00						576	12.2	721	1860	3230						
R8722517	506.27	507.80	1.52		.00						196	2.7	137	251	757						
R8722518	507.80	509.32	1.52		.00						<10	.8	559	37	3180						
R8722348	509.32	510.85	1.52		.00						60	.6	581	73	2740						
R8722349	510.85	512.37	1.52		.00						40	<.4	186	36	3660						
R8722350	512.37	513.89	1.52		.00						56	<.4	255	41	3730						
R8722352	513.89	515.42	1.52		.00						42	.7	698	21	578						
R8722519	515.42	516.94	1.52		.00						22	<.4	244	35	880						
R8722520	516.94	518.92	1.98		.00						156	3.6	683	83	6820						
R8722521	518.92	519.07	.15		.00						266	.5	37	4	23						
R8722522	519.07	520.60	1.52		.00						<10	.5	29	38	79						
R8722523	520.60	522.12	1.52		.00						<10	<.4	16	22	49						
R8722524	522.12	523.65	1.52		.00						<10	<.4	22	25	71						
R8722525	523.65	525.17	1.52		.00						<10	.4	16	25	61						
R8722545	524.87	526.39	1.52		.00						500	27.9	69	5470	>12150						
R8722546	526.39	527.91	1.52		.00						642	19.8	133	261	103						
R8722547	527.91	529.44	1.52		.00						<10	2.7	43	335	1540						
R8722548	529.44	530.96	1.52		.00						40	6.1	331	997	4000						
R8722549	530.96	532.49	1.52		.00						40	5.2	375	775	6370						
R8722550	532.49	533.86	1.37		.00						<10	3.3	193	916	4940						
R8722551	533.86	535.38	1.52		.00						<10	1.2	97	151	504						
R8722439	535.38	536.91	1.52		.00						<10	1.0	103	184	454						
R8722440	536.91	538.43	1.52		.00						52	2.3	186	417	648						
R8722441	538.43	539.80	1.37		.00						<10	1.0	86	81	340						
R8722442	539.80	541.33	1.52		.00						<10	.8	87	40	1480						
R8722443	541.33	542.85	1.52		.00						<10	<.4	152	45	1032						
R8722463	542.85	544.37	1.52		.00						<10	.8	906	243	9360						
R8722552	544.37	545.90	1.52		.00						<10	<.4	151	77	1300						
R8722553	545.90	547.12	1.22		.00						<10	<.4	127	17	4420						
R8722444	550.77	552.45	1.68		.00						<10	<.4	60	5	304						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722445	552.45	553.97	1.52		.00						20	1.7	400	12	732						
R8722446	553.97	555.50	1.52		.00						<10	3.2	1770	16	1033						
R8722459	555.50	557.02	1.52		.00						<10	.6	108	13	206						
R8722460	557.02	558.55	1.52		.00						<10	.5	174	22	189						
R8722461	558.55	560.07	1.52		.00						<10	.5	51	24	107						
R8722462	560.07	561.59	1.52		.00						<10	<.4	34	12	133						
R8722471	561.59	563.12	1.52		.00						<10	<.4	87	8	115						
R8722472	563.12	564.49	1.37		.00						<10	.4	197	6	149						
R8722473	564.49	566.01	1.52		.00						22	2.5	970	27	61						
R8722474	566.01	566.93	.91		.00						20	6.0	2710	17	78						
R8722475	566.93	568.45	1.52		.00						276	18.0	1330	28	511						
R8722476	568.45	569.98	1.52		.00						60	16.2	130	52	36						
R8722424	569.98	571.50	1.52		.00						28	9.1	73	43	14						
R8722425	571.50	573.02	1.52		.00						60	6.2	126	40	19						
R8722426	573.02	574.55	1.52		.00						60	14.1	62	70	13						
R8722427	574.55	576.07	1.52		.00						<10	4.3	233	26	12						
R8722432	576.07	577.60	1.52		.00						<10	1.1	1800	13	29						
R8722433	577.60	579.12	1.52		.00						40	.9	1840	21	44						
R8722456	579.12	580.64	1.52		.00						72	.7	899	24	57						
R8722457	580.64	582.17	1.52		.00						<10	<.4	286	11	302						
R8722458	582.17	583.17	1.01		.00						<10	<.4	120	35	192						
R8722477	583.17	584.58	1.40		.00						<10	<.4	2250	16	76						
R8722478	584.58	586.59	2.01		.00						<10	<.4	857	9	85						
R8722428	586.59	588.26	1.68		.00						<10	.5	699	5	54						
R8722429	588.26	590.12	1.86		.00						<10	.9	3020	8	93						
R8722430	590.12	591.62	1.49		.00						<10	.6	39	10	22						
R8722431	591.62	593.45	1.83		.00						<10	.5	29	4	13						
R8722434	593.45	594.97	1.52		.00						<10	<.4	19	6	12						
R8722435	594.97	596.49	1.52		.00						<10	.5	17	<4	14						
R8722436	596.49	598.02	1.52		.00						<10	<.4	22	7	6						
R8722437	598.02	599.54	1.52		.00						<10	<.4	14	<4	3						
R8722438	599.54	600.15	.61		.00						<10	<.4	22	4	11						
R8722536	600.15	601.07	.91		.00						<10	<.4	77	13	43						
R8722537	601.07	602.59	1.52		.00						<10	<.4	31	14	9						
R8722538	602.59	604.11	1.52		.00						<10	<.4	24	18	15						
R8722539	604.11	605.64	1.52		.00						<10	<.4	36	20	18						
R8722540	605.64	607.16	1.52		.00						<10	<.4	27	17	29						
R8722541	607.16	608.69	1.52		.00						<10	.4	21	5	13						
R8722497	608.69	610.21	1.52		.00						<10	<.4	17	7	16						
R8722498	610.21	611.73	1.52		.00						<10	<.4	18	6	16						
R8722499	611.73	613.26	1.52		.00						<10	<.4	24	10	20						
R8722500	613.26	614.78	1.52		.00						<10	<.4	20	7	24						
R8722501	614.78	616.61	1.83		.00						40	1.0	22	12	21						
R8722542	633.07	634.59	1.52		.00						<10	<.4	182	4	26						
R8722543	634.59	636.12	1.52		.00						<10	.4	243	4	30						
R8722544	636.12	637.64	1.52		.00						<10	.4	100	<4	37						
R8722502	637.64	639.17	1.52		.00						<10	<.4	264	<4	47						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8722503	639.17	640.69	1.52		.00						<10	<.4	174	7	36						
R8722504	640.69	642.52	1.83		.00						<10	<.4	235	<4	38						
R8722505	642.52	644.04	1.52		.00						<10	<.4	705	<4	81						
R8722486	644.04	645.57	1.52		.00						<10	<.4	618	<4	74						
R8722506	645.57	647.09	1.52		.00						<10	<.4	478	<4	62						
R8722483	649.53	651.05	1.52		.00						116	<.4	709	<4	63						
R8722484	651.05	652.58	1.52		.00						<10	<.4	1017	<4	73						
R8722485	652.58	654.10	1.52		.00						<10	<.4	169	<4	86						
R8722554	654.10	655.63	1.52		.00						<10	<.4	415	<4	65						
R8722555	655.63	657.15	1.52		.00						<10	<.4	304	<4	80						
R8722556	657.15	658.67	1.52		.00						<10	<.4	298	<4	76						
R8722557	658.67	660.20	1.52		.00						<10	<.4	177	<4	77						
R8722558	660.20	661.72	1.52		.00						<10	<.4	356	<4	74						
R8722559	661.72	663.24	1.52		.00						<10	<.4	501	<4	83						
R8722487	663.24	664.77	1.52		.00						<10	<.4	1700	<4	73						
R8722560	664.77	666.29	1.52		.00						<10	<.4	740	<4	71						
R8722561	666.29	667.82	1.52		.00						<10	<.4	1300	440	79						
R8722562	667.82	669.34	1.52		.00						<10	<.4	2090	4	41						
R8722563	669.34	670.86	1.52		.00						<10	<.4	1750	<4	46						
R8722464	670.86	672.39	1.52		.00						<10	<.4	719	<4	49						
R8722465	672.39	673.91	1.52		.00						<10	<.4	1990	5	125						
R8722466	673.91	675.44	1.52		.00						<10	.4	1005	4	68						
R8722467	675.44	676.96	1.52		.00						<10	<.4	70	6	41						
R8722468	676.96	678.48	1.52		.00						<10	.5	76	10	24						
R8722469	678.48	680.01	1.52		.00						26	<.4	34	12	25						
R8722470	680.01	681.53	1.52		.00						30	.6	26	11	19						
R8722479	681.53	683.06	1.52		.00						54	.5	35	7	15						
R8722480	683.06	684.58	1.52		.00						158	1.0	43	19	28						
R8722481	684.58	686.10	1.52		.00						118	.7	36	15	27						
R8722482	686.10	687.93	1.83		.00						82	1.1	72	19	55						

Hole No: TC-87-5
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15469.70
(metres) E: 10509.60

Azimuth: 135.0
Dip: -50.0
Length (m): 735.65
Elevation: 406.40 (metres)
Purpose:

Core Size: NQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: NOV.7,1987
Completed: NOV.25,1987
Recovery:

Date Logged: Nov. 08, 1987
Logged By: H. Kang
Date Re-logged: OCT. 30, 1992
Re-logged By: D.J.HARRISON
Report Printed: 9 Feb, 1993 4:19am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	135.0	-50.0															
154.5	134.0	-48.0	457.2	142.0	-42.0	718.4	145.0	-38.0									

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	6.10	CASING										
6.10	66.45	BASALT FLOW: PROPYLITIC Dark green, fine-grained, variably amygdaloidal (1-10%), filled with white calcite; weakly cut by calcite veinlets, however local veins are well brecciated with calcite-epidote; epidotization is moderate to locally strong with rare earthy hematite; interval may represent variably flow-brecciated basalt flow; upper contact is strongly epidote altered, with minor calcite; lower contact is sharp. 21.35 22.25 FAULT Broken, blocky core with two sheared gouge zones, 5 and 10 cm wide; broken, blocky core extends upwdards to 16.75 metres without gouge. 52.12 52.25 FAULT Sheared gouge zone; pale greenish, foliated at 30° to core axis. 63.40 63.50 FAULT Sheared gouge zone with minor white prehnite; foliated at 70° to core axis.										
66.45	93.85	VOLCANIC SEDIMENTS: Very fine-grained, dark greenish, with local light grey to near black intervals; well-sorted, locally well-bedded mafic ash tuff to argillite; bedding varies gradually between 60° to 90° to core axis; interval is dominantly hard (H>5) with local light grey silicified, hornfelsed zones; appears ~20% of interval may be very fine-grained dykes, however only a few contacts are distinct; core is blocky with low RQD.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
93.85	146.00	BASALT UNDIFFERENTIATED: Medium to dark grey-green, fine to medium-grained basaltic interval; homogeneous, except locally feldspar porphyritic; weakly fractured. 108.95 111.85 BASALT ASH TUFF: Very fine-grained, dark green-grey, weakly laminated to bedded basaltic ash tuff to argillite; weakly chloritic; hardness ~4. 111.85 113.35 FAULT Strongly sheared but unbroken core; intense black chlorite intermixed with multiply sheared and foliated grey calcite veins or layers; foliated at 10° to 30° to core axis. 118.42 118.70 FAULT Strongly sheared and contorted fault zone of sericite-calcite; interval between this fault and the above fault is strongly cut by intermixed white quartz, grey calcite and epidote veins and shears at low (~20°) angle to core axis. 132.55 132.58 FAULT White earhty prehnite-filled fault at 15° to core axis, with pale green-grey bleaching for 30 cm on up-hole side. 135.95 143.25 QUARTZ FELDSPAR PORPHYRY DYKE: Light to dark grey-brown feldspar porphyritic and quartz amygdaloidal(?) dyke; groundmass is fine-grained, moderate biotitic and locally gradationally bleached to light grey-brown; feldspar phenocrysts are subhedral, from 1-5 mm, up to ~10-15%; sub-rounded to circular quartz amygdules (or eyes?); upper contact is chilled, weakly porphyritic, aphanitic, dark grey, and irregular; lower contact is similar at 35° to core axis.										
146.00	163.85	DACITE LAPILLI TUFF: HEMATITIC Variably coloured light grey dacite lapilli tuff; local fragmental alignment at 50° to 70° to core axis; interval is heterolithic with fragments of grey dacite, feldspar phyric dacite, fine-grained dark grey andesite, rare chert; matrix consists of dominantly hematitic to chloritic feldspar crystal tuff matrix with ~1% bright red hematitic whisps and layers, increasing in abundance to ~2% over bottom 2.5 metres; lower contact is sharp at 70° to core axis. 157.90 161.25 QUARTZ FELDSPAR PORPHYRY DYKE: Same as described above from 135.95 to 143.25 metres; upper contact is sharp at irregular angle; lower contact is indistinct due to broken nature of the core.										
163.85	226.45	BASALT UNDIFFERENTIATED: Fine to medium-grained, medium to dark grey-green, weakly feldspar phyric; rare quartz-epidote veins and veinlets; similar to that described above from 93.85 to 146 metres; lower contact is sharp but irregular due to quartz veinleting.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		220.05 224.35 VOLCANIC SEDIMENTS: Very fine-grained, greyish silicified waterlain ash tuff or argillite; well-bedded at 60° to core axis.										
226.45	237.25	DACITE LAPILLI TUFF: CHLORITIC Variably coloured chloritic, weakly hematitic dacite lapilli tuff similar to that described above from 146 to 163.85 metres; rare sub-rounded lapilli-sized fragments over 4cm dia.; foliation of lapilli averages 60° to core axis; lower 3 metres is increasingly interlayered with fine, siliceous ash tuff; beds increase in frequency downwards.										
237.25	303.45	BASALT UNDIFFERENTIATED: Fine to medium-grained, locally coarse-grained; medium greyish-green; similar to that described above from 163.85 to 226.45 metres; weakly cut by quartz- epidote veins and veintets. 260.00 261.10 Strongly fractured, broken, blocky core, low RQD (<10).										
303.45	318.35	DACITE FLOW BRECCIA: CHLORITIC Medium greyish-green feldspar phyric dacite flow breccia; feldspar phenocrysts are grey to white, subhedral to euhedral laths and crystal fragments, locally indistinct due to albite alteration; local flow breccia textures with rounded fragments and siliceous green chloritic matrix.										
318.35	520.90	BASALT UNDIFFERENTIATED: Dark greyish-green, fine to medium-grained, locally feldspar phyric and/or chlorite replaced pyroxene-amphibole(?) phyric; generally homogeneous throughout with local colour variation; probable intrusion as the interval appears too uniform to be a flow; rare to weakly cut by quartz veins and veinlets. 345.00 352.35 Zone of blocky core with low RQD, with local bleached zones from 1.0 to ~10cm wide around white, earthy prehnite-filled fractures; lower 2 metres has highest density of fractures; no significant gouge. 382.50 383.30 SLOKO RYHOLITE DYKE: Fine-grained, whitish to pale green, flow-banded rhyolite dyke, with banding at 40° to core axis; contacts are sharp but broken in core. 410.87 411.17 FAULT Bleached shear zone at 55° to core axis. 427.65 514.20 FAULT Intensely broken fracture-fault zone with local intense gouge separated by breccia zones, planar fractures or stringers filled with white calcite and/or white earthy prehnite; appear to be drilling sub-parallel or at a very low angle to a major fault; entire interval has RQD less than 20; significant gouge zones from 428.55 to 429.75 metres and from 460.25 to 461.47 metres. 488.30 497.60 DACITE FLOW: Medium green-grey, feldspar porphyritic dacite flow; siliceous with pervasive moderate green chlorite										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		alteration; feldspar phenocrysts are locally obscured by alteration; entire interval is broken, with low (<20) RQD, and moderately fractured from fault zone.										
		505.95 507.20 SLOKO RYHOLITE DYKE: Beige, very fine-grained rhyolite dyke; strongly shattered and broken core (0 RQD); contacts are sharp but irregular.										
		513.45 514.20 SLOKO RYHOLITE DYKE: Beige rhyolite dyke similar to above, with distinct flow-banding at 50° to core axis; upper contact is gougy over 10 cm; lower contact is broken in core.										
520.90	633.25	DACITE FLOW: Medium greyish to locally dark grey, feldspar phyric dacite flow; locally flow-becciated into sub-rounded fragments with feldspar phyric flow matrix; moderately cut by chlorite fractures and lenticular tension gashes; local white albite flooding as irregular patches, or as white haloes around chlorite ± epidote veinlets; rare patchy hematitic maroon-grey zones; flow-banding at 60° to core axis from 621.5 to 623.15 metres; lower contact is indistinct with dacite lapilli tuff or brecciated flow-bottom.										
		535.25 542.85 BASALTIC DYKE: Medium-grained, medium grey basaltic to dioritic dyke with chilled, aphanitic margins; trace pyrite; footwall to dyke, dacite is intensely silicified and cut by chlorite stringers at low angle (20-30°) to core axis.										
		581.40 587.35 BASALTIC DYKE: Fine-grained, dark grey to black basalt, weakly magnetic with irregular and indistint contacts (apparently at low angle ~20° to core axis).										
		594.95 601.50 BASALTIC DYKE: Fine-grained, dark grey to black, moderate to strongly magnetic, otherwise similar to that described above from 581.40 to 587.35 metres; upper and lower contacts are sharp and irregular with included wall-rock xenoliths; rare quartz-epidote-magnetite veins.										
		607.75 618.45 BASALTIC DYKE: Same as described above from 594.95 to 601.50 metres.										
633.25	638.40	DACITE LAPILLI TUFF: Medium to light grey dacite lapilli tuff; very similar in colour to above flow but non-feldspar phyric; mixed light grey and medium grey fine-grained sub-angular fragments supported in coarse, weakly sericitic ash tuff; lapilli fragments are weakly chloritic altered; rare sub-rounded pyritic fragments; rare disseminated pyrite in matrix.										
638.40	644.65	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE NOTE: 95% of core missing from 641.40 to 644.65 metres. Greyish sericitized ash tuff with disseminated to finely bedded base-metal sulphides; upper contact is rapidly gradational into upper 1.2 metres of	Z22	638.40	640.69	2.29						
			R8723157	638.40	639.47	1.07	.01	.13	.16	.01	.10	
			R8723158	639.47	640.69	1.22	.04	.88	.46	.32	2.00	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		gypsum-barite(?) rich (~30%) sericitic ash tuff; sulphates decrease in abundance downwards as sulphides increase; ~8-10% grey to black sphalerite is finely disseminated throughout, locally concentrated into thin beds ~2mm thick; trace to ~1% galena intermixed with sphalerite; trace to ~2% chalcopyrite occurs locally in irregular masses and veinlets; rare white sub-angular chert fragments up to ~4 cm; bedding at 50° to core axis; 5-10% disseminated to fragmental pyrite throughout.	R8723159	640.69	641.76	1.07	.08	2.90	1.05	.90	5.90	
			ZAD	640.69	644.80	4.11						
			R8723160	641.76	643.28	1.52	.06	1.59	1.09	.63	4.90	
			R8723161	643.28	644.80	1.52	.13	3.89	1.70	1.65	7.25	
644.65	646.50	CHERT: SILICIFIED , WITH DISSEMINATED PYRITE Grey to whitish chert or intense silicified tuff, strongly brecciated and fractured, with medium to dark grey siliceous matrix; trace to ~2% very fine pyrite, disseminated or as matrix filling in clast-supported breccia.	Z24	644.80	646.48	1.68						
			R8723162	644.80	646.48	1.68	.02	.29	.20	.13	1.65	
			R8723163	646.48	647.55	1.07						
646.50	691.60	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Light grey, sericitized basaltic(?) fragmental, possible debris flow; 50-60% light grey, angular to sub-angular fine lapilli to rare breccia-sized fragments within fine, pyritic (~10%) matrix (weakly silicified pyritic mudstone); textures are obscured over upper half of interval by strongly sericitic alteration, becoming more pronounced downwards; pyrite in matrix similarly increases downwards to ~20% with locally massive intervals over 30 to 60 cm.	R8723164	647.55	649.22	1.68						
			R8723165	649.22	650.75	1.52						
			R8723166	650.75	652.27	1.52						
			R8723167	652.27	653.80	1.52						
			R8723168	653.80	655.32	1.52						
			R8723169	655.32	656.84	1.52						
			R8723170	656.84	658.37	1.52						
			R8723171	658.37	659.89	1.52						
			R8723172	659.89	660.81	.91						
			R8723173	660.81	662.33	1.52						
			R8723174	662.33	663.85	1.52						
			R8723175	663.85	665.38	1.52						
			R8723176	665.38	666.60	1.22						
			R8723177	672.39	673.61	1.22						
			R8723178	673.61	675.13	1.52						
			R8723179	675.13	676.66	1.52						
			R8723180	676.66	678.33	1.68						
			R8723181	678.33	679.70	1.37						
			R8723182	679.70	681.23	1.52						
			R8723183	681.23	682.75	1.52						
			R8723184	682.75	684.28	1.52						
			R8723185	684.28	685.80	1.52						
			R8723186	685.80	687.32	1.52						
			R8723187	687.32	688.85	1.52						
			R8723188	688.85	690.37	1.52						
			R8723189	690.37	691.59	1.22						
			R8723190	691.59	693.42	1.83						
		666.60 672.40 BASALTIC DYKE: Dark green to black, fine-grained, variably weak to strongly magnetic dyke; strongly cut by quartz-epidote ± brownish garnet veins and veinlets from ~1mm to 12 cm wide; local buff coloured bleaching around wide veins; upper contact is sharp at ~70° to core axis; lower contact is brecciated with wall-rock xenoliths.										
691.60	703.20	BASALT LAPILLI TUFF: SERICITIC , WITH MASSIVE PYRITE Olive-green grey zones of pyritic, intense sericitized basaltic(?) ash(?) tuff intermixed with intense sericitized basalt(?) lapilli fragments; pyrite-sericite textures are swirled as in soft-sediment deformation or possibly ductile deformation; 1-2% whitish chert fragments intermixed	R8723191	693.42	694.94	1.52						
			R8723192	694.94	696.47	1.52						
			R8723193	696.47	697.99	1.52						
			R8723194	697.99	699.52	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		within top 3 metres of interval; pyrite occurs in very fine-grained irregular masses, averaging 20-30%; local whispy layers of buff-orange weathered ankeritic carbonate; trace to 1% fine disseminated sphalerite and galena(?); upper contact is rapidly gradational, marked by increase in pyrite and decrease in chert.	R8723195	699.52	701.04	1.52						
			R8723196	701.04	702.56	1.52						
			R8723197	702.56	703.17	.61						
			R8723198	703.17	704.09	.91						
703.20	720.85	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium to dark olive-green grey fragmental with various clasts including ~5% white chert, 70% grey sericitic basalt, and ~2% rounded pyrite fragments; pyrite constitutes up to 5-8% of interval; 2-3% buff-orange weathered ankerite in sericitized matrix; locally developed foliation or alignment at 40-50° to core axis; local brownish matrix may be biotite (phlogopite) alteration.	R8723199	704.09	705.61	1.52						
			R8723200	705.61	707.14	1.52						
			R8723201	707.14	708.66	1.52						
			R8723202	708.66	710.18	1.52						
			R8723203	710.18	711.71	1.52						
			R8723204	711.71	713.23	1.52						
			R8723205	713.23	714.76	1.52						
			R8723206	714.76	716.28	1.52						
			R8723207	716.28	717.80	1.52						
			R8723208	717.80	719.33	1.52						
			R8723209	719.33	720.85	1.52						
720.85	727.10	BASALTIC DYKE: Fine-grained, dark green to black basaltic dyke; weak to moderately magnetic; strongly cut by planar to irregular epidote-chlorite veinlets and rare white quartz veins; contacts are sharp but broken in core.										
727.10	729.10	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Very similar to that described above from 703.20 to 720.85 metres, however sericite alteration is stronger and over-all colour is lighter beige due to lack of pyrite (~2-3%); lapilli fragments are totally sericitized and generally finer than above; rare quartz veinlets.											
729.10	735.65	BASALTIC DYKE: Similar to above dyke described from 720.85 to 727.10 metres, however appears to contain ~2-5% very altered fragments or xenoliths of above wall-rock; upper contact is sharp and strongly quartz ± epidote-chlorite veined. 734.85 735.65 FAULT Intense chlorite altered and strongly foliated fault zone at low angle (~10-20°) to core axis.											
735.65		EOH										

Hole No: TC-87-5
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
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Core Size: NQ
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Report Printed: 19 Feb, 1993 10:00pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8723157	638.40	639.47	1.07		5.26	.01	.11	.16	.01	.10	394	10.4	2320	157	950						
R8723158	639.47	640.69	1.22		34.04	.03	.79	.46	.32	2.00	634	33.3	4740	3020	>21600						
R8723159	640.69	641.76	1.07	3.31	88.88	.07	2.59	1.05	.90	5.90	2350	94.9	>10370	7970	>63700						
R8723160	641.76	643.28	1.52	3.31	72.10	.06	1.42	1.09	.63	4.90	1540	46.2	>11900	5850	>46050						
R8723161	643.28	644.80	1.52	3.31	127.36	.12	3.47	1.70	1.65	7.25	3760	>117.0	>23000	>16200	>82500						
R8723162	644.80	646.48	1.68		21.05	.02	.26	.20	.13	1.65	276	7.9	1540	1120	>14000						
R8723163	646.48	647.55	1.07		.00						24	1.8	72	77	360						
R8723164	647.55	649.22	1.68		.00						20	1.5	51	48	172						
R8723165	649.22	650.75	1.52		.00						<10	<.4	11	4	74						
R8723166	650.75	652.27	1.52		.00						<10	.6	17	4	80						
R8723167	652.27	653.80	1.52		.00						32	1.0	17	20	92						
R8723168	653.80	655.32	1.52		.00						20	1.6	37	21	192						
R8723169	655.32	656.84	1.52		.00						120	2.2	23	110	277						
R8723170	656.84	658.37	1.52		.00						376	5.2	33	219	809						
R8723171	658.37	659.89	1.52		.00						252	5.4	22	121	529						
R8723172	659.89	660.81	.91		.00						248	4.7	23	104	216						
R8723173	660.81	662.33	1.52		.00						1266	31.4	69	616	776						
R8723174	662.33	663.85	1.52		.00						1460	41.3	108	1110	1980						
R8723175	663.85	665.38	1.52		.00						856	41.1	44	1250	1250						
R8723176	665.38	666.60	1.22		.00						816	27.2	45	118	208						
R8723177	672.39	673.61	1.22		.00						42	.8	57	70	868						
R8723178	673.61	675.13	1.52		.00						56	1.2	139	70	1360						
R8723179	675.13	676.66	1.52		.00						96	1.3	132	15	1650						
R8723180	676.66	678.33	1.68		.00						102	6.5	165	52	2720						
R8723181	678.33	679.70	1.37		.00						274	5.0	160	128	4930						
R8723182	679.70	681.23	1.52		.00						280	4.5	247	227	1640						
R8723183	681.23	682.75	1.52		.00						146	8.6	1230	232	471						
R8723184	682.75	684.28	1.52		.00						402	25.8	7460	698	1137						
R8723185	684.28	685.80	1.52		.00						458	14.1	3190	526	1008						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8723186	685.80	687.32	1.52		.00						206	2.5	259	997	1570						
R8723187	687.32	688.85	1.52		.00						160	2.0	85	648	1360						
R8723188	688.85	690.37	1.52		.00						260	5.6	592	1930	2160						
R8723189	690.37	691.59	1.22		.00						162	3.0	159	681	1730						
R8723190	691.59	693.42	1.83		.00						336	6.5	98	436	1340						
R8723191	693.42	694.94	1.52		.00						244	8.0	242	1300	2020						
R8723192	694.94	696.47	1.52		.00						280	11.4	349	1130	3080						
R8723193	696.47	697.99	1.52		.00						352	11.8	301	247	3150						
R8723194	697.99	699.52	1.52		.00						220	6.5	161	62	1240						
R8723195	699.52	701.04	1.52		.00						176	2.4	304	40	865						
R8723196	701.04	702.56	1.52		.00						216	2.5	120	35	1230						
R8723197	702.56	703.17	.61		.00						508	3.5	183	41	1110						
R8723198	703.17	704.09	.91		.00						42	<.4	19	8	97						
R8723199	704.09	705.61	1.52		.00						40	<.4	18	5	75						
R8723200	705.61	707.14	1.52		.00						40	.4	32	5	417						
R8723201	707.14	708.66	1.52		.00						36	<.4	53	11	155						
R8723202	708.66	710.18	1.52		.00						40	<.4	47	7	101						
R8723203	710.18	711.71	1.52		.00						60	.4	122	9	578						
R8723204	711.71	713.23	1.52		.00						76	.8	176	4	43						
R8723205	713.23	714.76	1.52		.00						36	.7	91	6	35						
R8723206	714.76	716.28	1.52		.00						<10	<.4	17	5	54						
R8723207	716.28	717.80	1.52		.00						54	.5	98	12	90						
R8723208	717.80	719.33	1.52		.00						42	.5	75	5	111						
R8723209	719.33	720.85	1.52		.00						98	1.0	108	15	135						

Hole No: TC-87-5A
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15423.60
(metres) E: 10389.90

Azimuth: 135.0
Dip: -55.0
Length (m): 125.90
Elevation: 332.40 (metres)
Purpose:

Core Size: NQ
Drill Name:
Contractor:
Started:
Completed:
Recovery:

Date Logged:
Logged By:
Date Re-logged: OCT. 30, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:19am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	135.0	-55.0															

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	4.26	CASING										
4.26	11.90	DACITE LAPILLI TUFF: Medium grey coloured, weakly sericitic dacite to andesite(?) lapilli to breccia tuff; fragment boundaries are vague; weakly chlorite replaced phenocrysts with fragmental alignment at low angle to core axis; lower contact is strongly brecciated along fault contact.										
11.90	18.60	BASALTIC DYKE: Dark greenish-grey homogeneous, fine-grained dyke with very fine-grained, dark grey to black, sharp contacts; weakly magnetic.										
18.60	35.05	VOLCANIC SEDIMENTS: Dark greyish, very fine-grained andesitic dust tuff to ash tuff, locally well-bedded to laminated and argillaceous; often similar colour to surrounding dykes; bedding at 45°-55° to core axis.										
35.05	120.40	BASALT FLOW: Dark grey-green, fine-grained, generally homogeneous basalt flows; core is weak to moderately cut by planar calcite veinlets and irregular stringers; core is very blocky and broken with low RQD down to 78 metres, then increases to moderate RQD (~50); local gradational colour changes from medium to dark green may indicate multiple flows with dark, chilled contacts.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
120.40	125.90	DACITE FLOW: Upper 3 metres is strongly foliated dacite lapilli tuff, moderately sericite altered, foliated at 30° to 50° to core axis, grading down to massive weakly feldspar phyric flow; weakly chloritic and siliceous; narrow 5 cm gouge zone at 121.50 metres.										
125.90		EOH										

Hole No: TC-88-6
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14787.30
(metres) E: 9884.20

Azimuth: 102.0
Dip: -55.0
Length (m): 236.85
Elevation: 61.00 (metres)

Core Size: BQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: Oct. 12, 1988
Completed: Oct. 16, 1988
Recovery:

Date Logged: Oct. 14 to 17, 1988
Logged By: MJC/EAD
Date Re-logged: OCT. 30-31, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:19am

Purpose: Note: Hole was previously refered to as TC-88-12; Collared W of Chief fault. (To test the down-dip extension of the altered zone below the 5200 level.

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	102.0	-55.0															
30.5		-55.0	91.4	100.0	-54.0	152.4		-53.5	236.8	101.0	-53.5						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.91	CASING										
.91	21.35	BASALT LAPILLI TUFF: Dark greyish interval of basalt to andesite lapilli tuffs to ash tuffs(?) cut by numerous coarse feldspar phyric dykes; andesite tuff intervals are dark green and pervasive propylitic alteration; textures are generally indistinct; contacts with dykes are sharp.										
21.35	72.10	BASALT LAPILLI TUFF: Dark greenish basalt to andesite tuffs, with ash and lapilli fragments; interval is moderately propylitic altered with chlorite and calcite, and strongly cut by quartz-calcite fractures; lapilli textures are locally distinct and variably foliated.	R8819777	33.53	35.20	1.68						
			R8819778	35.20	36.58	1.37						
			R8819779	36.58	37.19	.61						
			R8819780	37.19	38.71	1.52						
			R8819781	39.47	40.39	.91						
			R8819782	40.39	40.84	.46						
			R8819783	40.84	41.30	.46						
			R8819784	41.30	42.67	1.37						
72.10	78.50	FAULT Same rock type as that described above from 21.35 to 72.10 metres; zone is multiply sheared and rehealed by grey calcite, now as lenses and whisps; local quartz stringers and veinlets; interval is dark, chloritic and foliated at 35° to 40° to core axis, however some fractures are at a very low angle (~10°) to core axis; zone may be related to Cheif fault.	R8819785	78.49	79.86	1.37						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
78.50	93.60	DACITE LAPILLI TUFF: SILICIFIED Pale green-grey silicified dacite to andesite lapilli to ash tuff; 90% of interval is bleached and silicified with very vague fragmental textures; local areas are dark green and chloritic, with ~10% chert fragments, and trace pyrite; upper contact is faulted.	R8819786	79.86	81.38	1.52						
			R8819787	81.38	82.75	1.37						
			R8819788	82.75	84.43	1.68						
			R8819789	84.43	86.41	1.98						
			R8819790	85.98	87.02	1.04						
			R8819791	87.02	88.39	1.37						
			R8819792	88.39	89.92	1.52						
			R8819793	89.92	91.44	1.52						
			R8819794	91.44	92.96	1.52						
			R8819795	92.96	93.57	.61						
			R8819796	93.57	94.79	1.22						
93.60	94.80	BASALTIC DYKE: Fine-grained, dark grey to black basalt dyke with sharp irregular contacts.	R8819797	94.79	96.32	1.52						
94.80	98.90	DACITE LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Medium to light grey, silicified dacite(?) lapilli tuff with vague fragmental textures; strong pervasive silicification to give rock a cherty appearance; trace to ~5% disseminated pyrite, locally concentrated within siliceous matrix.	R8819798	96.32	97.84	1.52						
			R8819799	97.84	98.91	1.07						
98.90	100.30	BASALTIC DYKE: Same as descibed above from 93.60 to 94.80 metres.										
100.30	102.40	SLOKO RYHOLITE DYKE: Buff-beige, fine-grained rhyolite dyke with pronounced flow-banding at 35° to core axis; contacts are sharp, at same angle as flow-banding.										
102.40	110.95	DACITE LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Similar to that descibed above from 94.80 to 98.90 metres, however textures are not as vague; lower half of interval has fine, ribboned carbonate lenses parallel foliation at 30°-40° to core axis; trace green sericite or fuchsite on fractures.	R8819800	102.57	103.63	1.07						
			R8819801	103.63	105.16	1.52						
			R8819802	105.16	106.07	.91						
			R8819803	106.07	106.38	.31						
			R8819804	106.38	107.59	1.22						
			R8819805	107.59	109.12	1.52						
			R8819806	109.12	110.34	1.22						
			R8819807	110.34	111.86	1.52						
110.95	113.40	BASALT LAPILLI TUFF: BIOTITIC Dark green to black, strongly chlorite to biotite altered basaltic lapilli tuff(?), entire interval is strongly cut by fine grey calcite stringers; patchy green-grey epidote; apple green sericite or fuchsite along occasional fractures; original textures are difficult to distinguish; upper and lower contacts are gradational.	R8819808	111.86	113.69	1.83						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
113.40	144.15	DACITE LAPILLI TUFF: SILICIFIED Light grey cherty dacite lapilli tuff; very siliceous; remnant fragmental textures are locally obscured by pervasive, locally intense silicification; trace to 2% pyrite unevenly disseminated; local horizons of black andesitic, chlorite altered lapilli tuff with rapid, gradational contacts.	R8819809	113.69	115.21	1.52						
			R8819810	115.21	116.74	1.52						
			R8819811	116.74	118.26	1.52						
			R8819812	118.26	119.18	.92						
			R8819813	119.18	120.33	1.16						
			R8819814	120.33	120.67	.33						
			R8819815	120.67	120.82	.15						
			R8819816	120.82	122.53	1.71						
			R8819817	122.53	124.05	1.52						
			R8819818	124.05	125.58	1.52						
			R8819819	125.58	127.10	1.52						
			R8819820	127.10	128.63	1.52						
			R8819821	128.63	130.15	1.52						
			R8819822	130.15	130.76	.61						
			R8819823	130.76	132.04	1.28						
			R8819824	132.04	132.89	.85						
			R8819825	132.89	133.65	.76						
			R8819826	133.65	134.42	.76						
			R8819827	134.42	135.94	1.52						
			R8819828	135.94	137.46	1.52						
			R8819829	137.46	138.99	1.52						
			R8819830	138.99	140.82	1.83						
			R8819831	140.82	142.04	1.22						
			R8819832	142.04	143.41	1.37						
			R8819833	143.41	144.17	.76						
144.15	146.00	SLOKO RYHOLITE DYKE: Fine-grained to aphanitic, buff to light brown coloured rhyolite dyke, weakly spherulitic; weak flow-banding at 60° to core axis near contacts; contacts are sharp and parallel to flow-banding.	R8819834	146.00	147.52	1.52						
146.00	182.40	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Light grey cherty fragmental zone with local fine cherty dacite ash/dust tuff; fragmental textures are distinct at top of interval, becoming less distinct with decrease in fragment size downwards; upper 10 metres is whitish chert or silicified dacite fragments within a greenish chloritic matrix, gradually becoming siliceous and less chloritic downwards; pyrite within matrix is present as trace to 2%; lower section of interval is greyish, featureless, massive, silicified dacite ash tuff.	R8819835	147.52	149.05	1.52						
			R8819836	149.05	150.57	1.52						
			R8819837	150.57	152.40	1.83						
			R8819838	152.40	152.86	.46						
			R8819839	152.86	153.92	1.07						
			R8819840	153.92	154.84	.91						
			R8819841	154.84	155.45	.61						
			R8819842	155.45	157.43	1.98						
			R8819843	157.43	158.80	1.37						
			R8819844	158.80	159.11	.31						
			R8819845	159.11	160.63	1.52						
			R8819846	160.63	162.15	1.52						
			R8819847	162.15	163.68	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8819848	163.68	165.20	1.52						
			R8819849	165.20	166.73	1.52						
			R8819850	166.73	168.25	1.52						
			R8819851	168.25	169.16	.91						
			R8819852	169.16	170.38	1.22						
			R8819853	170.38	171.91	1.52						
			R8819854	171.91	173.43	1.52						
			R8819855	173.43	174.96	1.52						
			R8819856	174.96	176.48	1.52						
			R8819857	180.59	182.73	2.13						
182.40	186.10	BASALTIC DYKE: Same as that above from 178.15 to 180.60 metres.	R8819858	186.08	187.45	1.37						
186.10	197.80	DACITE ASH TUFF: SILICIFIED Light grey, homogeneous interval of strongly silicified dacite dust to ash tuff; massive, with trace disseminated pyrite; upper and lower contacts are sharp.	R8819859	187.45	188.98	1.52						
			R8819860	188.98	190.50	1.52						
			R8819861	190.50	192.02	1.52						
			R8819862	192.02	193.55	1.52						
			R8819863	193.55	195.07	1.52						
			R8819864	195.07	196.60	1.52						
			R8819865	196.60	197.82	1.22						
197.80	210.60	BASALT FLOW BRECCIA: SILICIFIED Brown-grey, moderately siliceous mixed fragmental dominated by fine greyish dacite lapilli fragments (<3cm); other fragments include greyish quartz-filled scoriaceous material, light grey chert and dark greenish andesite; matrix is siliceous with dark greenish chlorite alteration; trace to ~2% disseminated pyrite; weak biotite alteration throughout giving brownish tinge.	R8819866	197.82	199.34	1.52						
			R8819867	199.34	200.86	1.52						
			R8819868	200.86	202.39	1.52						
			R8819869	202.39	203.91	1.52						
			R8819870	203.91	205.43	1.52						
			R8819871	205.43	206.96	1.52						
			R8819872	206.96	208.48	1.52						
			R8819873	208.48	209.40	.91						
			R8819874	209.40	210.31	.91						
210 60	236.85	BASALT FLOW: Dark greenish, massive, weakly feldspar porphyritic and weakly quartz amygdaloidal basalt flow; variably weak to strongly magnetic; pervasive weak propylitic alteration dominated by chlorite, with rare calcite veinlets.										
236.85		EOH										

Hole No: TC-88-6
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14787.30
(metres) E: 9884.20
below the 5200 level.

Azimuth: 102.0
Dip: -55.0
Length (m): 236.85
Elevation: 61.00
(metres)

Core Size: BQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: Oct. 12, 1988
Completed: Oct. 16, 1988
Recovery:

Purpose: Note: Hole was previously refered to as TC-88-12; Collared W of Chief fault. (To test the down-dip extension of the altered zone

Date Logged: Oct. 14 to 17, 1988
Logged By: MJC/EAD
Date Re-logged: OCT. 30-31, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:01pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8819777	33.53	35.20	1.68		.00						<10	<.4	56	<4	86						
R8819778	35.20	36.58	1.37		.00						<10	<.4	118	<4	68						
R8819779	36.58	37.19	.61		.00						<10	.4	76	<4	65						
R8819780	37.19	38.71	1.52		.00						<10	<.4	65	<4	80						
R8819781	39.47	40.39	.91		.00						<10	<.4	69	<4	77						
R8819782	40.39	40.84	.46		.00						<10	<.4	57	<4	95						
R8819783	40.84	41.30	.46		.00						<10	<.4	67	52	102						
R8819784	41.30	42.67	1.37		.00						<10	<.4	34	18	84						
R8819785	78.49	79.86	1.37		.00						<10	<.4	18	<4	43						
R8819786	79.86	81.38	1.52		.00						20	<.4	21	4	40						
R8819787	81.38	82.75	1.37		.00						<10	<.4	24	28	69						
R8819788	82.75	84.43	1.68		.00						<10	<.4	254	<4	104						
R8819789	84.43	86.41	1.98		.00						<10	<.4	85	5	96						
R8819790	85.98	87.02	1.04		.00						<10	<.4	119	<4	107						
R8819791	87.02	88.39	1.37		.00						804	<.4	17	11	46						
R8819792	88.39	89.92	1.52		.00						320	<.4	26	31	64						
R8819793	89.92	91.44	1.52		.00						694	<.4	21	13	63						
R8819794	91.44	92.96	1.52		.00						440	<.4	37	13	48						
R8819795	92.96	93.57	.61		.00						372	<.4	79	<4	32						
R8819796	93.57	94.79	1.22		.00						<10	<.4	84	<4	146						
R8819797	94.79	96.32	1.52		.00						210	<.4	38	30	91						
R8819798	96.32	97.84	1.52		.00						78	<.4	62	15	73						
R8819799	97.84	98.91	1.07		.00						20	<.4	21	5	24						
R8819800	102.57	103.63	1.07		.00						<10	<.4	34	13	28						
R8819801	103.63	105.16	1.52		.00						<10	<.4	19	4	19						
R8819802	105.16	106.07	.91		.00						<10	<.4	19	<4	21						
R8819803	106.07	106.38	.31		.00						<10	<.4	21	11	88						
R8819804	106.38	107.59	1.22		.00						<10	<.4	38	24	45						
R8819805	107.59	109.12	1.52		.00						<10	<.4	25	<4	38						
R8819806	109.12	110.34	1.22		.00						<10	<.4	19	11	32						
R8819807	110.34	111.86	1.52		.00						<10	<.4	37	<4	51						
R8819808	111.86	113.69	1.83		.00						<10	<.4	63	<4	68						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8819809	113.69	115.21	1.52		.00						<10	<.4	20	8	172						
R8819810	115.21	116.74	1.52		.00						<10	<.4	21	10	26						
R8819811	116.74	118.26	1.52		.00						<10	<.4	24	21	75						
R8819812	118.26	119.18	.92		.00						<10	<.4	18	24	23						
R8819813	119.18	120.33	1.16		.00						<10	<.4	51	18	58						
R8819814	120.33	120.67	.33		.00						<10	<.4	13	4	20						
R8819815	120.67	120.82	.15		.00						24	<.4	56	5	76						
R8819816	120.82	122.53	1.71		.00						<10	<.4	27	9	21						
R8819817	122.53	124.05	1.52		.00						<10	<.4	23	18	15						
R8819818	124.05	125.58	1.52		.00						<10	<.4	17	12	13						
R8819819	125.58	127.10	1.52		.00						22	<.4	30	30	218						
R8819820	127.10	128.63	1.52		.00						<10	<.4	49	54	171						
R8819821	128.63	130.15	1.52		.00						36	<.4	27	15	97						
R8819822	130.15	130.76	.61		.00						<10	<.4	23	13	37						
R8819823	130.76	132.04	1.28		.00						<10	<.4	65	13	147						
R8819824	132.04	132.89	.85		.00						<10	<.4	27	10	32						
R8819825	132.89	133.65	.76		.00						<10	<.4	18	8	29						
R8819826	133.65	134.42	.76		.00						<10	<.4	33	35	109						
R8819827	134.42	135.94	1.52		.00						<10	<.4	10	<4	15						
R8819828	135.94	137.46	1.52		.00						<10	<.4	11	<4	123						
R8819829	137.46	138.99	1.52		.00						<10	<.4	11	<4	19						
R8819830	138.99	140.82	1.83		.00						<10	<.4	12	9	23						
R8819831	140.82	142.04	1.22		.00						<10	<.4	10	15	30						
R8819832	142.04	143.41	1.37		.00						<10	<.4	9	<4	10						
R8819833	143.41	144.17	.76		.00						<10	<.4	16	27	15						
R8819834	146.00	147.52	1.52		.00						<10	<.4	24	8	22						
R8819835	147.52	149.05	1.52		.00						32	<.4	12	4	10						
R8819836	149.05	150.57	1.52		.00						<10	<.4	11	5	15						
R8819837	150.57	152.40	1.83		.00						<10	<.4	8	<4	27						
R8819838	152.40	152.86	.46		.00						<10	<.4	6	<4	22						
R8819839	152.86	153.92	1.07		.00						<10	<.4	10	5	15						
R8819840	153.92	154.84	.91		.00						<10	<.4	10	9	24						
R8819841	154.84	155.45	.61		.00						<10	<.4	6	4	32						
R8819842	155.45	157.43	1.98		.00						<10	<.4	9	4	24						
R8819843	157.43	158.80	1.37		.00						<10	<.4	18	<4	112						
R8819844	158.80	159.11	.31		.00						<10	<.4	17	<4	24						
R8819845	159.11	160.63	1.52		.00						<10	<.4	9	<4	18						
R8819846	160.63	162.15	1.52		.00						<10	<.4	10	<4	21						
R8819847	162.15	163.68	1.52		.00						<10	<.4	9	<4	12						
R8819848	163.68	165.20	1.52		.00						<10	<.4	13	5	8						
R8819849	165.20	166.73	1.52		.00						34	<.4	24	10	9						
R8819850	166.73	168.25	1.52		.00						<10	<.4	8	<4	11						
R8819851	168.25	169.16	.91		.00						<10	<.4	15	<4	16						
R8819852	169.16	170.38	1.22		.00						<10	<.4	14	<4	22						
R8819853	170.38	171.91	1.52		.00						<10	<.4	11	<4	23						
R8819854	171.91	173.43	1.52		.00						32	<.4	16	<4	542						
R8819855	173.43	174.96	1.52		.00						<10	<.4	12	<4	27						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8819856	174.96	176.48	1.52		.00						<10	<.4	14	<4	39						
R8819857	180.59	182.73	2.13		.00						<10	<.4	15	<4	51						
R8819858	186.08	187.45	1.37		.00						24	<.4	19	<4	243						
R8819859	187.45	188.98	1.52		.00						<10	<.4	58	<4	182						
R8819860	188.98	190.50	1.52		.00						<10	<.4	13	<4	187						
R8819861	190.50	192.02	1.52		.00						24	<.4	55	<4	544						
R8819862	192.02	193.55	1.52		.00						<10	<.4	26	<4	378						
R8819863	193.55	195.07	1.52		.00						<10	<.4	11	<4	218						
R8819864	195.07	196.60	1.52		.00						<10	<.4	13	<4	205						
R8819865	196.60	197.82	1.22		.00						<10	<.4	24	<4	264						
R8819866	197.82	199.34	1.52		.00						<10	<.4	118	<4	323						
R8819867	199.34	200.86	1.52		.00						<10	<.4	250	<4	192						
R8819868	200.86	202.39	1.52		.00						<10	<.4	75	<4	89						
R8819869	202.39	203.91	1.52		.00						<10	<.4	50	<4	70						
R8819870	203.91	205.43	1.52		.00						<10	<.4	24	<4	146						
R8819871	205.43	206.96	1.52		.00						<10	<.4	68	<4	488						
R8819872	206.96	208.48	1.52		.00						<10	<.4	126	<4	975						
R8819873	208.48	209.40	.91		.00						<10	<.4	137	<4	>12430						
R8819874	209.40	210.31	.91		.00						<10	<.4	80	12	82						

Hole No: TC-88-7
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14787.30
(metres) E: 9884.20

Azimuth: 127.0
Dip: -55.0
Length (m): 249.00
Elevation: 61.00 (metres)

Core Size: BQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: Oct. 16, 1988
Completed: Oct. 20, 1988
Recovery:

Date Logged: Oct. 17 to 21, 1988
Logged By: E.A. Dembicki
Date Re-logged: OCT.31-NOV.1, 1992
Re-logged By: D.J.HARRISON
Report Printed: 9 Feb, 1993 4:19am

Purpose: NOTE: Hole previously referred to as TC-88-13; Collared W of Chief fault. To test the downdip extension of the altered zone below the 5200 level.

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	127.0	-55.0															
30.5	126.0	-55.0	121.9	125.0	-55.0	182.9	122.0	-55.5	243.8	120.0	-56.5						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	1.52	CASING										
1.52	6.10	BASALT ASH TUFF: Dark greenish basaltic to andesite ash tuff with local lapilli and other heterolithic, angular rock fragments.										
6.10	7.85	QUARTZ FELDSPAR PORPHYRY DYKE: Feldspar megacrystic, hornblende porphyritic dyke with ~10-20% white to pale greenish, weakly sericitic feldspar phenocrysts up to 1.2cm long, concentrically zoned, euhedral to subhedral albite feldspar within andesitic to dacitic composition dyke; upper and lower contacts are sharp.										
7.85	10.35	BASALT ASH TUFF: Same as that described from 1.524 to 6.10 metres.										
10.35	19.05	QUARTZ FELDSPAR PORPHYRY DYKE: Same as that described above from 6.10 to 7.85 metres.										
19.05	96:65	BASALT ASH TUFF: Variably dark green to greyish mixed basaltic to andesitic ash tuffs and lapilli tuffs, moderately cut by fine grey calcite ± quartz stringers and veinlets; interval is dominantly fragmental with local massive, well-sorted ash sections; from 31.1 to 32.60 metres is limonite weathered fractures along probable fault zone at low (~10°) to core axis.	R8820128 R8820032 R8820033 R8820034 R8820035	46.03 47.49 47.85 49.32 49.99	47.49 47.85 49.32 49.99 51.51	1.46 .37 1.46 .67 1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8820036	51.51	52.73	1.22						
			R8820037	52.73	52.94	.21						
			R8820038	52.94	54.25	1.31						
96.65	105.15	BASALT LAPILLI TUFF: Distinct fragmental lapilli tuff with strongly chloritic basalt to andesite ash tuff matrix; well foliated at 35° to core axis; lapilli fragments constitute ~40-50% of interval, as sub-angular to elongated lenticular fragments of siliceous dacite or chert, with few grey calcite lenses and whisps (rehealed shear or fault?). 101.80 103.00 Bleached buff-beige colour, strongly silicified lapilli tuff wdith textures vague but visible; trace pyrite; contacts are rapidly gradational. 103.65 105.15 Fine-grained, green-grey andesite ash tuff; well-sorted and moderately silicified.	R8820039	101.96	102.87	.91						
			R8820040	102.87	103.94	1.07						
			R8820041	103.94	105.16	1.22						
105.15	111.55	EXHALITIC TUFF: SERICITIC Light grey to buff coloured dacite lapilli tuff with grey to whitish chert and dacite fragments (30-50%) supported in a bleached sericite-carbonate, weakly siliceous matrix, with local orange-yellow ankeritic weathering; trace to 2% disseminated pyrite; trace greenish sericite (or fuchsite) on fractures; local rubbly to blocky zones in core due to faulting. 110.35 110.95 FAULT Broken, rubbly core with 2 gouge zones; one is 15 cm wide and the other is 2 cm wide.	R8820042	105.16	106.99	1.83						
			R8820043	106.99	108.81	1.83						
			R8820044	108.81	110.03	1.22						
			R8820045	110.03	111.56	1.52						
111.55	123.75	DACITE LAPILLI TUFF: Variably coloured light grey to grey-green dacite lapilli to ash tuff; colour variation due to gradationally altered zones of sericite-carbonate-silica; textures are vague in coarse fragmental zones to locally obscured in fine tuffs; upper contact is gradational; lower contact is sharp.	R8820046	111.56	113.08	1.52						
			R8820047	113.08	114.61	1.52						
			R8820048	114.61	116.13	1.52						
			R8820049	116.13	117.65	1.52						
			R8820050	117.65	119.18	1.52						
			R8820051	119.18	121.01	1.83						
123.75	134.70	DACITE FLOW: Medium to light grey feldspar porphyritic dacite flow; massive with very few cross-cutting veinlets, except over upper 2 metres (moderate white quartz veinlets); very little alteration.										
134.70	151.50	DACITE LAPILLI TUFF: SILICIFIED Same colour as above dacite flow, however non-porphyritic; vague lapilli textures are locally obscured by pervasive silicification directly below flow, but are more distinct towards bottom of interval; fragments are lighter grey than matrix, possibly chert fragments. 146.30 147.50 BASALTIC DYKE: Very fine-grained, black basaltic dyke with sharp contacts; orientations are not clear due to broken nature of core.	R8820052	135.64	135.94	.30	.12					
			R8820053	137.16	139.29	2.13						
			R8820054	140.97	142.95	1.98						
			R8820055	142.95	143.26	.30						
			R8820056	143.26	144.78	1.52						
			R8820057	144.78	146.30	1.52						
			R8820058	147.22	147.83	.61						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
	149.65 150.40	BASALTIC DYKE: Same as above interval from 146.30 to 147.50 metres.	R8820059	147.83	149.35	1.52						
			R8820060	149.35	149.81	.46						
			R8820061	149.96	151.49	1.52						
			R8820062	151.49	153.01	1.52						
151.50	161.25	SLOKO RYHOLITE DYKE: Buff-beige coloured, fine-grained, rhyolite dyke; trace pyrite; vague flow-banding at low angle (20°) to core axis; contacts are sharp but indistinct due to broken nature of core.	R8820063	153.01	154.53	1.52						
			R8820064	154.53	156.06	1.52						
			R8820065	156.06	157.58	1.52						
			R8820066	157.58	159.11	1.52						
			R8820067	159.11	161.39	2.29						
161.25	196.00	DACITE LAPILLI TUFF: SILICIFIED Medium to light grey colour, strongly silicified dacite lapilli tuff with 2-3% disseminated pyrite; lapilli textures are vague to distinct depending on intensity of silicification; fragments are pale, chert-like or pumaceous with fine, quartz-filled vesicles; pyrite is locally concentrated into matrix or as very fine veinlets; lower contact is gradational, marked by disappearance of fragmental textures.	R8820068	161.39	162.00	.61						
			R8820069	162.00	163.68	1.68						
			R8820070	163.68	165.20	1.52						
			R8820071	165.20	166.73	1.52						
			R8820072	166.73	168.25	1.52						
			R8820073	168.25	169.77	1.52						
			R8820074	169.77	171.15	1.37						
			R8820075	171.15	172.06	.91						
			R8820076	172.06	172.97	.91						
			R8820077	172.97	174.50	1.52						
			R8820078	174.50	175.72	1.22						
			R8820079	175.72	176.02	.31						
			R8820080	176.02	178.76	2.74						
			R8820081	178.76	179.53	.76						
			R8820082	179.53	180.14	.61						
			R8820083	180.14	181.66	1.52						
			R8820084	181.66	182.42	.76						
			R8820085	182.42	183.95	1.52						
			R8820086	183.95	184.40	.46						
			R8820087	184.40	185.93	1.52						
			R8820088	185.93	187.45	1.52						
			R8820089	187.45	188.98	1.52						
			R8820090	188.98	190.50	1.52						
			R8820091	190.50	192.02	1.52						
			R8820092	192.02	193.55	1.52						
			R8820093	193.55	194.86	1.31						
			R8820094	194.86	197.21	2.35						
	171.15 174.00	BIOTITIC Pale brownish-grey zone of weak silica alteration, minor sericite-biotite alteration; contacts are gradational; protolith appears to be andesitic to dacitic lapilli tuff; local intervals of rubbly core.										
	178.75 182.50	SLOKO RYHOLITE DYKE: Buff-beige to pale brownish coloured rhyolite dyke; aphanitic to fine-grained with 1-2% black specks; contacts are sharp but indistinct due to broken nature of core; wall-rock core on up-hole side of dyke is rubbly and gravelly over ~60 cm.										
196.00	247.50	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Light grey colour, intensely silicified interval with 2-3% disseminated and veinleted pyrite; protolith may be dacite ash tuff with 2-20% lapilli, however textures are vague to totally obscured by silicification; from ~213 metres downwards, core has uniform texture with 2-3% coarse disseminated pyrite grains; silicification is intense.	R8820095	197.21	198.73	1.52						
			R8820096	198.73	200.25	1.52						
			R8820097	200.25	201.78	1.52						
			R8820098	201.78	203.30	1.52						
			R8820099	203.30	204.83	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8820100	204.83	206.35	1.52						
			R8820101	206.35	207.87	1.52						
			R8820102	207.87	209.40	1.52						
			R8820103	209.40	210.92	1.52						
			R8820104	210.92	212.45	1.52						
			R8820105	212.45	213.97	1.52						
			R8820106	213.97	215.49	1.52						
			R8820107	215.49	217.02	1.52						
			R8820108	217.02	218.54	1.52						
			R8820109	218.54	220.07	1.52						
			R8820110	220.07	221.59	1.52						
			R8820111	221.59	223.11	1.52						
			R8820112	223.11	224.64	1.52						
			R8820113	224.64	226.16	1.52						
			R8820114	226.16	227.69	1.52						
			R8820115	227.69	229.21	1.52						
			R8820116	229.21	230.73	1.52						
			R8820117	230.73	232.26	1.52						
			R8820118	232.26	233.78	1.52						
			R8820119	233.78	235.31	1.52						
			R8820120	235.31	236.83	1.52						
			R8820121	236.83	238.35	1.52						
			R8820122	238.35	239.88	1.52						
			R8820123	239.88	241.40	1.52						
			R8820124	241.40	242.93	1.52						
			R8820125	242.93	244.45	1.52						
			R8820126	244.45	245.97	1.52						
			R8820127	245.97	247.50	1.52						
247.50	249.00	BASALTIC DYKE:										
		247.50 249.00 BASALTIC DYKE: Very fine-grained, dark grey to black basaltic dyke; upper contact is sharp and chilled at 70° to core axis.										
249.00		EOH										

Hole No: TC-88-7
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14787.30
(metres) E: 9884.20

Azimuth: 127.0
Dip: -55.0
Length (m): 249.00
Elevation: 61.00 (metres)

Core Size: BQ
Drill Name: (SURFACE)
Contractor: COATES DRILLING LTD.
Started: Oct. 16, 1988
Completed: Oct. 20, 1988
Recovery:

Date Logged: Oct. 17 to 21, 1988
Logged By: E.A. Dembicki
Date Re-logged: OCT.31-NOV.1, 1992
Re-logged By: D.J.HARRISON
Report Printed: 19 Feb, 1993 10:01pm

Purpose: NOTE: Hole previously referred to as TC-88-13; Collared W of Chief fault. To test the downdip extension of the altered zone below the 5200 level.

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8820128	46.03	47.49	1.46		.00						<10	<.4	73	<4	83						
R8820032	47.49	47.85	.37		.00						<10	<.4	96	<4	55						
R8820033	47.85	49.32	1.46		.00						<10	<.4	79	<4	87						
R8820034	49.32	49.99	.67		.00						<10	<.4	59	<4	74						
R8820035	49.99	51.51	1.52		.00						<10	<.4	78	<4	78						
R8820036	51.51	52.73	1.22		.00						<10	<.4	78	<4	84						
R8820037	52.73	52.94	.21		.00						<10	<.4	156	15	64						
R8820038	52.94	54.25	1.31		.00						<10	.4	80	<4	76						
R8820039	101.96	102.87	.91		.00						<10	.5	26	5	71						
R8820040	102.87	103.94	1.07		.00						<10	.4	33	4	100						
R8820041	103.94	105.16	1.22		.00						<10	<.4	42	11	83						
R8820042	105.16	106.99	1.83		.00						80	<.4	33	4	60						
R8820043	106.99	108.81	1.83		.00						<10	<.4	40	7	62						
R8820044	108.81	110.03	1.22		.00						<10	<.4	20	<4	89						
R8820045	110.03	111.56	1.52		.00						<10	<.4	30	11	147						
R8820046	111.56	113.08	1.52		.00						<10	<.4	82	<4	110						
R8820047	113.08	114.61	1.52		.00						<10	<.4	86	9	100						
R8820048	114.61	116.13	1.52		.00						<10	<.4	53	5	66						
R8820049	116.13	117.65	1.52		.00						<10	<.4	49	<4	77						
R8820050	117.65	119.18	1.52		.00						<10	<.4	37	5	90						
R8820051	119.18	121.01	1.83		.00						<10	<.4	18	6	45						
R8820052	135.64	135.94	.30		39.80	.11					3660	.4	37	13	99						
R8820053	137.16	139.29	2.13		.00						206	<.4	30	18	50						
R8820054	140.97	142.95	1.98		.00						20	<.4	21	25	46						
R8820055	142.95	143.26	.30		.00						92	<.4	22	18	85						
R8820056	143.26	144.78	1.52		.00						20	<.4	12	6	73						
R8820057	144.78	146.30	1.52		.00						<10	<.4	11	7	36						
R8820058	147.22	147.83	.61		.00						20	<.4	29	8	72						
R8820059	147.83	149.35	1.52		.00						312	<.4	31	13	50						
R8820060	149.35	149.81	.46		.00						292	<.4	20	12	48						
R8820061	149.96	151.49	1.52		.00						60	<.4	16	22	42						
R8820062	151.49	153.01	1.52		.00						20	<.4	9	179	222						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8820063	153.01	154.53	1.52		.00						<10	<.4	5	37	27						
R8820064	154.53	156.06	1.52		.00						<10	<.4	4	32	48						
R8820065	156.06	157.58	1.52		.00						<10	<.4	4	14	21						
R8820066	157.58	159.11	1.52		.00						<10	<.4	4	14	18						
R8820067	159.11	161.39	2.29		.00						<10	<.4	4	22	53						
R8820068	161.39	162.00	.61		.00						20	<.4	25	<4	74						
R8820069	162.00	163.68	1.68		.00						24	<.4	10	13	45						
R8820070	163.68	165.20	1.52		.00						40	<.4	18	16	169						
R8820071	165.20	166.73	1.52		.00						40	<.4	15	17	77						
R8820072	166.73	168.25	1.52		.00						92	<.4	19	19	120						
R8820073	168.25	169.77	1.52		.00						40	<.4	15	6	156						
R8820074	169.77	171.15	1.37		.00						24	<.4	19	8	88						
R8820075	171.15	172.06	.91		.00						42	<.4	35	<4	94						
R8820076	172.06	172.97	.91		.00						<10	<.4	56	<4	80						
R8820077	172.97	174.50	1.52		.00						<10	<.4	38	<4	69						
R8820078	174.50	175.72	1.22		.00						<10	<.4	22	<4	49						
R8820079	175.72	176.02	.31		.00						<10	<.4	14	24	19						
R8820080	176.02	178.76	2.74		.00						80	<.4	16	4	37						
R8820081	178.76	179.53	.76		.00						<10	<.4	10	308	210						
R8820082	179.53	180.14	.61		.00						<10	<.4	13	19	131						
R8820083	180.14	181.66	1.52		.00						<10	<.4	6	<4	17						
R8820084	181.66	182.42	.76		.00						<10	<.4	4	20	22						
R8820085	182.42	183.95	1.52		.00						<10	<.4	12	10	27						
R8820086	183.95	184.40	.46		.00						<10	<.4	10	<4	55						
R8820087	184.40	185.93	1.52		.00						<10	<.4	10	20	33						
R8820088	185.93	187.45	1.52		.00						24	<.4	15	7	41						
R8820089	187.45	188.98	1.52		.00						20	<.4	11	<4	53						
R8820090	188.98	190.50	1.52		.00						<10	<.4	10	<4	43						
R8820091	190.50	192.02	1.52		.00						<10	<.4	10	<4	38						
R8820092	192.02	193.55	1.52		.00						20	<.4	5	<4	16						
R8820093	193.55	194.86	1.31		.00						20	<.4	10	<4	32						
R8820094	194.86	197.21	2.35		.00						<10	<.4	10	<4	28						
R8820095	197.21	198.73	1.52		.00						<10	<.4	8	<4	31						
R8820096	198.73	200.25	1.52		.00						<10	<.4	7	<4	292						
R8820097	200.25	201.78	1.52		.00						<10	<.4	8	<4	37						
R8820098	201.78	203.30	1.52		.00						<10	<.4	8	<4	23						
R8820099	203.30	204.83	1.52		.00						<10	<.4	8	<4	32						
R8820100	204.83	206.35	1.52		.00						<10	<.4	10	<4	15						
R8820101	206.35	207.87	1.52		.00						10	<.4	12	<4	20						
R8820102	207.87	209.40	1.52		.00						<10	<.4	11	<4	16						
R8820103	209.40	210.92	1.52		.00						20	<.4	9	<4	19						
R8820104	210.92	212.45	1.52		.00						<10	<.4	11	<4	19						
R8820105	212.45	213.97	1.52		.00						<10	<.4	11	<4	17						
R8820106	213.97	215.49	1.52		.00						<10	<.4	11	<4	30						
R8820107	215.49	217.02	1.52		.00						40	<.4	12	6	26						
R8820108	217.02	218.54	1.52		.00						20	<.4	27	<4	20						
R8820109	218.54	220.07	1.52		.00						24	<.4	13	<4	27						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8820110	220.07	221.59	1.52		.00						20	<.4	19	<4	11						
R8820111	221.59	223.11	1.52		.00						20	<.4	15	<4	9						
R8820112	223.11	224.64	1.52		.00						24	<.4	12	5	21						
R8820113	224.64	226.16	1.52		.00						<10	<.4	12	<4	13						
R8820114	226.16	227.69	1.52		.00						<10	<.4	12	6	14						
R8820115	227.69	229.21	1.52		.00						<10	<.4	11	5	15						
R8820116	229.21	230.73	1.52		.00						<10	<.4	11	5	30						
R8820117	230.73	232.26	1.52		.00						24	<.4	10	4	115						
R8820118	232.26	233.78	1.52		.00						20	<.4	11	<4	19						
R8820119	233.78	235.31	1.52		.00						<10	<.4	10	4	12						
R8820120	235.31	236.83	1.52		.00						22	<.4	11	5	13						
R8820121	236.83	238.35	1.52		.00						20	<.4	14	<4	12						
R8820122	238.35	239.88	1.52		.00						20	<.4	10	4	13						
R8820123	239.88	241.40	1.52		.00						32	<.4	13	5	24						
R8820124	241.40	242.93	1.52		.00						24	<.4	12	5	16						
R8820125	242.93	244.45	1.52		.00						20	<.4	8	<4	15						
R8820126	244.45	245.97	1.52		.00						<10	<.4	10	4	32						
R8820127	245.97	247.50	1.52		.00						<10	<.4	14	<4	26						

TCU-88-1

Hole No: TCU-88-1
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15029.90
(metres) E: 10461.50

Azimuth: 84.3
Dip: -49.3
Length (m): 354.18
Elevation: 110.05
(metres)
Purpose: NOTE: Entire hole is split for assay except for dykes.

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: JULY 28, 1988
Completed: AUG. 7, 1988
Recovery:

Date Logged: JULY 29, 1988
Logged By: M.J. CASSELMAN
Date Re-logged: AUG. 23-26, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:19am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	84.3	-49.3															
152.4	89.0	-48.0	226.5	89.0	-42.0	286.5	90.0	-39.0	348.1	90.0	-36.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	1.83	CASING										
			R8811882	1.83	3.35	1.52						
1.83	12.60	BASALT ASH TUFF: Medium grey ash tuff, generally homogeneous, locally very fine-grained and weakly bedded (similar to 0.0-14.15m TCU-88-2); trace to 3% fine disseminated pyrite throughout, locally concentrated.	R8811883	3.35	4.88	1.52						
			R8811884	4.88	6.40	1.52						
			R8811885	6.40	8.23	1.83						
			R8811886	8.23	8.84	.61						
			R8811887	8.84	10.36	1.52						
			R8811888	10.36	11.89	1.52						
			R8811889	11.89	12.80	.91						
12.60	20.93	BASALT LAPILLI TUFF: Medium grey, weak silica altered basaltic lapilli tuff with vague textures; light grey basaltic ash matrix supporting, or as infilling, around angular to sub-rounded dark grey, random oriented fragments; local fine lapilli and ash aligned at 0-50° to core axis; 2-10% disseminated pyrite as fine to coarse grains or within narrow veins, locally up to 60% pyrite over 2-3 cm.	R8811890	12.80	14.33	1.52						
			R8811891	14.33	16.46	2.13						
			R8811892	16.46	17.98	1.52						
			R8811893	17.98	19.51	1.52						
			R8811894	19.51	21.03	1.52						
20.93	24.58	BASALTIC DYKE: Fine-grained, dark green-grey basaltic dyke with trace to 1% feldspar phenocrysts.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
24.58	32.90	BASALT LAPILLI TUFF: Same as above interval from 12.60 to 20.93. 29.66 31.24 BASALTIC DYKE: Basaltic dyke or quartz feldspar porphyry dyke?; same as above basaltic dyke from 20.93 to 24.58 metres.	R8811895	24.69	26.21	1.52						
			R8811896	26.21	27.74	1.52						
			R8811897	27.74	29.72	1.98						
			R8811898	31.24	32.61	1.37						
			R8811899	32.61	33.53	.91						
32.90	35.13	BASALTIC DYKE: Fine-grained, dark grey dyke; sharp irregular upper contact; sharp lower contact at 40° to core axis.										
35.13	67.97	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Dark to medium greyish sericite-silica altered basalt and heterolithic lapilli and breccia tuff; fragments supported by ~2-5% white silica matrix which appears to have filled the voids between fragments as late stage cement of poorly consolidated pyroclastic volcanics; ~75% of fragments are black to dark grey (altered basalt) with rare cuspate edges (phreato-volcanic, aquagene breccia ?); 10% dark grey scoriaceous fragments with quartz in-filled vesicles; ~5-10% rounded pumaceous fragments with quartz-filled vesicles; 2-10% fine to coarse disseminated pyrite throughout as rounded grains or euhedral crystals up to 2mm often in clusters; trace 'blebs' of chalcopyrite; lower contact is gradational.	R8811900	35.36	36.88	1.52						
			R8811901	36.88	38.40	1.52						
			R8811902	38.40	39.93	1.52						
			R8811903	39.93	41.45	1.52						
			R8811904	41.45	42.98	1.52						
			R8811905	42.98	44.50	1.52						
			R8811906	44.50	46.03	1.52						
			R8811907	46.03	47.55	1.52						
			R8811908	47.55	49.07	1.52						
			R8811909	49.07	50.60	1.52						
			R8811910	50.60	52.12	1.52						
			R8811911	52.12	53.65	1.52						
			R8811912	53.65	55.17	1.52						
			R8811913	55.17	56.69	1.52						
			R8811914	56.69	58.22	1.52						
			R8811915	58.22	59.74	1.52						
			R8811916	59.74	61.26	1.52						
			R8811917	61.26	62.79	1.52						
			R8811918	62.79	64.31	1.52						
			R8811919	64.31	65.84	1.52						
			R8811920	65.84	67.36	1.52						
			R8811921	67.36	69.19	1.83						
67.97	82.37	BASALT LAPILLI TUFF: , WITH DISSEMINATED PYRITE Transition zone between above 'breccia' unit and lapilli tuff interval below. 2-5% disseminated, fine to coarse granular pyrite; rare heterolithic fragments similar to above interval; dominantly black, indistinct lapilli fragments, minor quartz-filled scoriaceous fragments; locally abundant (~25%) white, vague feldspar(?) crystal fragments, anhedral to subhedral; minor (~10%) hornblende crystals(?) increasing in abundance downwards. Lower contact is sharp with narrow gouge zone over ~2cm with brecciated core over ~20cm.	R8811922	69.19	70.41	1.22						
			R8811923	70.41	71.93	1.52						
			R8811924	71.93	73.76	1.83						
			R8811925	73.76	75.29	1.52						
			R8811926	75.29	76.81	1.[illegible]						
			R8811927	76.81	78.33	1.52						
			R8811928	78.33	79.86	1.52						
			R8811929	79.86	81.69	1.83						
			R8811930	81.69	83.21	1.52						
82.37	132.25	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		Medium greyish green to olive-green with local dark grey to black intervals of basaltic-scoriaceous lapilli and breccia tuff; hornblende phenocrysts are totally chlorite replaced as rare euhedral laths, more commonly as subhedral to euhedral crystal fragments from 0.5-3.0mm, evenly distributed ~20% throughout. 2-5% whitish quartz grains, generally rounded (possibly feldspar?); matrix is dominantly ash tuff; pervasive chloritic (minor sericite?) altered; variable pyrite from 2-20%, medium grained, anhedral, often in dense clusters and 'blebs'.	R8811931	83.21	84.73	1.52						
			R8811932	84.73	86.26	1.52						
			R8811933	86.26	87.78	1.52						
			R8811934	87.78	89.31	1.52						
			R8811935	89.31	90.83	1.52						
			R8811936	90.83	92.35	1.52						
			R8811937	92.35	93.88	1.52						
			R8811938	93.88	95.40	1.52						
94.45	107.00	Dark grey to black; less altered with 2-5% pyrite, hornblende crystal fragments present but not obvious.	R8811939	95.40	96.93	1.52						
			R8811940	96.93	98.45	1.52						
107.00	113.00	BASALT ASH TUFF: Ash rich, olive green-grey, weakly hornblende phyric with occasional lapilli; ~10-20% pyrite in irregular, disseminated and granular masses.	R8811941	98.45	99.97	1.52						
			R8811942	99.97	101.19	1.22						
			R8811943	101.19	102.72	1.52						
113.00	125.42	BASALT LAPILLI TUFF: Dark grey to black basaltic lapilli tuff with occasional breccia-sized, quartz-filled scoriaceous fragments; amphibole (hornblende) phenocrysts are rare.	R8811944	102.72	104.24	1.52						
			R8811945	104.24	105.77	1.52						
			R8811946	105.77	107.29	1.52						
			R8811947	107.29	108.81	1.52						
122.76	124.66	SLOKO RYHOLITE DYKE: Cream coloured, fine-grained to aphanitic rhyolite dyke with sharp, chilled, flow-banded contacts; upper contact at 40° to core axis; lower contact at 40° to core axis.	R8811948	108.81	110.34	1.52						
			R8811949	110.34	111.86	1.52						
			R8811950	111.86	113.39	1.52						
			R8811951	113.39	115.82	2.44						
125.42	132.25	BASALT LAPILLI TUFF: Medium grey, weakly altered basalt lapilli tuff, fragment supported; angular light grey fragments in medium grey-green chlorite, sericite(?) altered ash matrix; locally matrix supported; hornblende phenocrysts increase in abundance downwards to 10-20% over lower 2 metres of interval.	R8811952	115.82	117.35	1.52						
			R8811953	117.35	118.87	1.52						
			R8811954	118.87	122.83	3.96						
			R8811955	124.66	126.64	1.98						
			R8811956	130.76	132.28	1.52						
126.64	130.76	SLOKO RYHOLITE DYKE: Same as above Sloko ryholite dyke, upper and lower contacts at 50° to core axis.										
132.25	167.34	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium to light grey mixed altered basalt lapilli tuff with occasional basaltic ash layers, weakly bedded; fragment textures are often vague; colours vary from greyish fragments in green-grey matrix to the opposite; weak to moderate sericite alteration throughout, with local weak chlorite; minor chert component of ~2% as cherty tuff or cherty whisps and rare fragments; disseminated and weakly veinleted pyrite throughout, averaging 2-3%; lower contact is gradational.	R8811957	132.28	133.81	1.52						
			R8811958	133.81	135.33	1.52						
			R8811959	135.33	136.25	.92						
			R8811960	136.25	137.77	1.52						
			R8811961	137.77	139.29	1.52						
			R8811962	139.29	140.82	1.52						
			R8811963	140.82	142.34	1.52						
			R8811964	142.34	143.56	1.22						
			R8811965	143.56	144.02	.46						
			R8811966	144.02	145.39	1.37						
			R8811967	145.39	146.91	1.52						
			R8811968	146.91	148.44	1.52						
			R8811969	148.44	149.96	1.52						
			R8811970	149.96	151.49	1.52						
			R8811971	151.49	153.01	1.52						
			R8811972	153.01	154.53	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8811973	154.53	156.06	1.52						
			R8811974	156.06	157.58	1.52						
			R8811975	157.58	159.11	1.52						
			R8811976	159.11	160.32	1.22						
			R8811977	160.32	161.24	.91						
			R8811978	161.24	162.46	1.22						
			R8811979	162.46	163.37	.92						
			R8811980	163.37	164.90	1.52						
			R8811981	164.90	167.03	2.13						
			R8811845	167.03	168.55	1.52						
167.34	179.85	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium to light grey altered basalt ash matrix supporting medium to dark greyish, fine to medium-sized lapilli, angular to subangular, with occasional cuspate fragments; probable phreatic pyroclastic (aquagene tuff); 5% disseminated pyrite dominantly within ash matrix; fragments are uniform in size, coarsening downwards; lower contact is gradational.	R8811846	168.55	170.08	1.52						
			R8811847	170.08	171.60	1.52						
			R8811848	171.60	173.13	1.52						
			R8811849	173.13	173.43	.30						
			R8811850	173.43	174.96	1.52						
			R8811851	174.96	176.48	1.52						
			R8811852	176.48	178.00	1.52						
			R8811853	178.00	179.98	1.98						
179.85	184.40	VOLCANIC SEDIMENTS: SERICITIC , WITH DISSEMINATED PYRITE Volcanic derived tuffaceous mudstone, with 50% buff yellow, rounded pumaceous fragments, strongly foliated with collapsed, sericite replaced vesicles; fragments are supported by an olive-green grey coloured, very fine-grained pyritic, tuffaceous mudstone (soft); pyrite is very fine-grained, disseminated throughout at ~10-15%; this interval is a mixed transition betweeen the pyritic fragmental breccia described above and the altered exhalitic interval below. 179.85 180.40 FAULT Foliated core broken into thin disks along foliation at ~70° to core axis; minor clayey gouge and rare slickensides with 10° pitch in plane of foliation.	R8811854	179.98	181.36	1.37						
			R8811855	181.36	182.88	1.52						
			R8811856	182.88	184.10	1.22						
			R8811857	184.10	185.32	1.22						
184.40	256.00	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Olive green-grey coloured, pyritic ash tuff mudstone(?); strong sericite altered, very fine-grained ash with 5-20% coarse ash to fine lapilli fragments, sericite replaced; very fine grained disseminated pyrite from 5-25%; rare rounded white chert fragments and veinlets. 197.60 197.95 SLOKO RYHOLITE DYKE: Mottled white and brown siliceous rhyolite dyke with sharp, chilled flow-banded contacts; upper contact at 85-90° to core axis; lower contact at 75° to core axis; host rock is foliated at same orientations. 201.32 201.72, With MASSIVE PYRITE 90% massive pyrite band (or vein?) with sharp contacts at ~75-85° to core axis. 204.90 205.44, With MASSIVE PYRITE 70% pyrite with intermixed tuff and ~5% white chert as fragments and irregular veins. 207.16 211.23 Zone of rare chert bands (1-2cm wide) every metre,	R8811858	185.32	185.62	.31						
			R8811859	185.62	185.78	.15						
			R8811860	185.78	185.93	.15						
			R8811861	185.93	186.23	.31						
			R8811862	186.23	186.84	.61						
			R8811863	186.84	188.37	1.52						
			R8811864	188.37	190.50	2.13						
			R8811865	190.50	192.02	1.52						
			R8811866	192.02	192.79	.76						
			R8811867	192.79	194.16	1.37						
			R8811868	194.16	195.07	.91						
			R8811869	195.07	196.60	1.52						
			R8811870	196.60	197.66	1.07						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		increasing to ~7 chert layers over lower 20cm, broken and dissrupted by folding; massive pyrite at 207.95 to 208.10 metres.	R8811871	197.97	199.34	1.37						
			R8811872	199.34	201.32	1.98						
			R8811873	201.32	201.78	.46						
211.23	213.65	BASALT ASH TUFF: Light to medium grey, fine, altered basaltic ash tuff, gradational colour change and textural change with main interval; ~5-10% very fine disseminated pyrite.	R8811874	201.78	202.69	.91						
			R8811875	202.69	204.52	1.83						
			R8811876	204.52	204.83	.31						
			R8811877	204.83	206.35	1.52						
221.28	224.18	BASALT ASH TUFF: Dark greenish basaltic tuff with ~10-20% fine dark lapilli fragments with large (2-4cm) pyrite clots and concentrated disseminated masses; strong chlorite alteration.	R8811878	206.35	207.87	1.52						
			R8811879	207.87	209.09	1.22						
			R8811880	209.09	210.92	1.83						
			R8811881	210.92	211.53	.61						
233.00	238.20	BASALT ASH TUFF: Medium to off-white basaltic ash tuff with rare lapilli fragments(?) intermixed with whitish very fine-grained, ~10-15% gypsum(?); cut by occasional small and irregular veins and veinlets of pyrite with pale greenish intense sericite haloes; basaltic ash in interval is strongly sericitied giving mottled texture; 2-5% pyrite as sparse disseminations or in veins.	R8811982	211.53	211.84	.30						
			R8811983	211.84	213.66	1.83						
			R8811984	213.66	215.19	1.52						
			R8811985	215.19	216.71	1.52						
			R8811986	216.71	218.24	1.52						
			R8811987	218.24	219.76	1.52						
			R8811988	219.76	221.29	1.52						
241.40	243.40	BASALT ASH TUFF: Same as above sub-interval, with less gypsum (~5%) in localized zones.	R8811989	221.29	222.81	1.52						
			R8811990	222.81	224.33	1.52						
248.60	254.30	SLOKO RYHOLITE DYKE: Off-white, beige, very fine-grained and siliceous with weakly 'peppered' texture with ~2% black inclusions; sharp, chilled contacts, weakly flow-banded; upper contact at 70° to core axis; lower contact at 50° to core axis; wallrock in hanging wall of dyke is black and strongly chloritic altered with 5-10% disseminated granular pyrite (0.5-2mm) over ~1 metre.	R8811991	224.33	225.86	1.52						
			R8811992	225.86	227.38	1.52						
			R8811993	227.38	228.29	.91						
			R8811994	228.29	229.82	1.52						
			R8811995	229.82	231.34	1.52						
			R8811996	231.34	232.87	1.52						
			R8811997	232.87	234.39	1.52						
			R8811998	234.39	235.31	.91						
			R8811999	238.20	239.88	1.68						
			R8812000	239.88	241.55	1.68						
			R8812001	242.32	243.84	1.52						
			R8812002	243.84	245.36	1.52						
			R8812003	245.36	246.89	1.52						
			R8812004	246.89	248.72	1.83						
			R8812005	252.68	254.20	1.52						
			R8812006	254.20	256.03	1.83						
256.00	258.15	BASALTIC DYKE: Dark green, medium to fine-grained, weakly magnetic; pervasive weak chlorite alteration; contacts are indistinct as wallrock is black, very fine-grained and strongly chloritic with ~5-10% pyrite, within 20-30cm of contact.	R8812007	256.79	258.17	1.37						
258.15	275.85	BASALT LAPILLI TUFF: , WITH STRINGER PYRITE Medium grey coloured, mixed basaltic lapilli and ash tuff with trace white cherty fragments; ~5% disseminated and veinleted pyrite as weak stockwork; trace chalcopyrite (~2-5% chalcopyrite-pyrite at	R8812008	258.17	259.69	1.52						
			R8812009	259.69	261.21	1.52						
			R8812010	261.21	262.43	1.22						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		262.25-263.20); massive pyrite from 273.10 to 273.40; lower contact appears gradational, over ~1 metre.	R8812011	262.43	262.74	.30						
			R8812012	262.74	264.26	1.52						
			R8812013	264.26	265.79	1.52						
			R8812014	265.79	267.31	1.52						
			R8812015	267.31	268.68	1.37						
			R8812016	268.68	270.36	1.68						
			R8812017	270.36	271.88	1.52						
			R8812018	271.88	273.07	1.19						
			R8812019	272.95	273.10	.15						
			R8812020	273.10	274.17	1.07						
			R8812021	274.17	276.00	1.83						
275.85	354.18	BASALT LAPILLI TUFF: BIOTITIC , WITH DISSEMINATED PYRITE										
		Dark brownish fragmental, possible heterolithic lapilli fragments of dacite and andesite(?) within brownish biotite altered andesitic(?) matrix with 10-20% greyish to grey-brown cordierite porphyroblasts; scoriaceous, quartz-filled fragments present in upper 3 metres; pyrite is disseminated throughout from 5-20% as coarse granules or euhedral cubes, less than ~2mm, locally concentrated into irregular masses.	R8812022	276.00	277.37	1.37						
			R8812023	277.37	278.89	1.52						
			R8812024	278.89	280.42	1.52						
			R8812025	280.42	281.94	1.52						
			R8812026	282.70	284.23	1.52						
			R8812027	284.23	284.84	.61						
			R8812028	284.84	285.45	.61						
			R8812029	285.90	287.27	1.37						
			R8812030	293.07	294.44	1.37						
			R8812031	294.44	296.57	2.13						
			R8812032	296.57	297.79	1.22						
			R8812033	297.79	299.31	1.52						
			R8812034	299.31	300.84	1.52						
			R8812035	300.84	302.36	1.52						
			R8812036	302.36	303.89	1.52						
			R8812037	303.89	305.41	1.52						
			R8812038	305.41	306.93	1.52						
			R8812039	306.93	308.46	1.52						
			R8812040	308.46	309.98	1.52						
			R8812041	309.98	311.51	1.52						
			R8812042	311.51	313.03	1.52						
			R8812043	313.03	314.71	1.68						
			R8812044	314.71	316.08	1.37						
			R8812045	316.08	317.60	1.52						
			R8812046	317.60	319.13	1.52						
			R8812047	319.13	320.65	1.52						
			R8812048	320.65	322.17	1.52						
			R8812049	322.17	323.70	1.52						
			R8812050	323.70	325.22	1.52						
			R8812051	325.22	326.75	1.52						
			R8812052	326.75	327.66	.91						
			R8812053	334.67	336.19	1.52						
			R8812054	336.19	337.72	1.52						
			R8812055	337.72	339.24	1.52						
		281.78 282.70 BASALTIC DYKE: Dark green, fine-grained basaltic dyke with sharp, irregular contacts; wallrock is strongly pyritic (~50%), up to 30cm from dyke contacts.										
		285.45 285.90 BASALTIC DYKE: Same as above basaltic dyke, less pyritic contacts.										
		287.27 293.05 BASALTIC DYKE: Basaltic or possibly quartz porphyry dyke, dark grey, fine-grained with trace to 1% whitish grey anhedral inclusions (0.5-2mm dia.) of quartz and/or feldspar; upper contact is irregular at low angle to core axis; lower contact at 15° to core axis.										
		312.55 313.35 Veins and fragments of 10-15% pyrite with masses of coarse (1-3cm) crystalline, dark brown-red sphalerite (2-5%); trace to 1% chalcopyrite.										
		327.66 334.50 BASALTIC DYKE: Fine-grained, dark green dyke with sharp irregular contacts; weakly cut by narrow quartz veins (1-2cm); chlorite ± epidote altered.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8812056	339.24	340.46	1.22						
			R8812057	340.46	341.99	1.52						
			R8812058	341.99	343.51	1.52						
			R8812059	343.51	345.03	1.52						
			R8812060	345.03	346.56	1.52						
			R8812061	346.56	348.08	1.52						
			R8812062	348.08	349.61	1.52						
			R8812063	349.61	351.13	1.52						
			R8812064	351.13	352.65	1.52						
			R8812065	352.65	354.18	1.52						
354.18		EOH										

Hole No: TCU-88-1
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15029.90
(metres) E: 10461.50

Azimuth: 84.3
Dip: -49.3
Length (m): 354.18
Elevation: 110.05
(metres)
Purpose: NOTE: Entire hole is split for assay except for dykes.

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: JULY 28, 1988
Completed: AUG. 7, 1988
Recovery:

Date Logged: JULY 29, 1988
Logged By: M.J. CASSELMAN
Date Re-logged: AUG. 23-26, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:01pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8811882	1.83	3.35	1.52		.00						20	<.4	22	27	87						
R8811883	3.35	4.88	1.52		.00						<10	<.4	77	20	81						
R8811884	4.88	6.40	1.52		.00						22	<.4	27	11	44						
R8811885	6.40	8.23	1.83		.00						20	<.4	24	9	38						
R8811886	8.23	8.84	.61		.00						<10	<.4	55	<4	92						
R8811887	8.84	10.36	1.52		.00						32	<.4	19	11	45						
R8811888	10.36	11.89	1.52		.00						<10	<.4	5	4	40						
R8811889	11.89	12.80	.91		.00						20	<.4	17	5	72						
R8811890	12.80	14.33	1.52		.00						20	<.4	34	<4	61						
R8811891	14.33	16.46	2.13		.00						20	<.4	12	<4	66						
R8811892	16.46	17.98	1.52		.00						20	<.4	18	9	74						
R8811893	17.98	19.51	1.52		.00						<10	<.4	13	11	58						
R8811894	19.51	21.03	1.52		.00						<10	<.4	4	4	53						
R8811895	24.69	26.21	1.52		.00						<10	<.4	27	6	53						
R8811896	26.21	27.74	1.52		.00						<10	<.4	12	<4	42						
R8811897	27.74	29.72	1.98		.00						<10	<.4	77	6	35						
R8811898	31.24	32.61	1.37		.00						24	<.4	23	7	58						
R8811899	32.61	33.53	.91		.00						52	<.4	55	11	48						
R8811900	35.36	36.88	1.52		.00						20	<.4	49	9	54						
R8811901	36.88	38.40	1.52		.00						<10	<.4	10	<4	50						
R8811902	38.40	39.93	1.52		.00						<10	<.4	14	<4	59						
R8811903	39.93	41.45	1.52		.00						<10	<.4	141	5	43						
R8811904	41.45	42.98	1.52		.00						<10	<.4	67	<4	49						
R8811905	42.98	44.50	1.52		.00						<10	<.4	27	<4	53						
R8811906	44.50	46.03	1.52		.00						<10	<.4	187	<4	67						
R8811907	46.03	47.55	1.52		.00						<10	<.4	253	<4	59						
R8811908	47.55	49.07	1.52		.00						<10	<.4	45	5	55						
R8811909	49.07	50.60	1.52		.00						<10	<.4	837	<4	78						
R8811910	50.60	52.12	1.52		.00						<10	<.4	70	<4	57						
R8811911	52.12	53.65	1.52		.00						<10	<.4	57	<4	55						
R8811912	53.65	55.17	1.52		.00						<10	<.4	21	<4	62						
R8811913	55.17	56.69	1.52		.00						<10	<.4	18	<4	58						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8811914	56.69	58.22	1.52		.00						<10	<.4	7	<4	52						
R8811915	58.22	59.74	1.52		.00						<10	<.4	73	<4	54						
R8811916	59.74	61.26	1.52		.00						<10	<.4	124	<4	66						
R8811917	61.26	62.79	1.52		.00						<10	<.4	18	4	64						
R8811918	62.79	64.31	1.52		.00						<10	<.4	26	<4	67						
R8811919	64.31	65.84	1.52		.00						<10	<.4	31	<4	60						
R8811920	65.84	67.36	1.52		.00						<10	<.4	142	<4	70						
R8811921	67.36	69.19	1.83		.00						20	<.4	474	<4	62						
R8811922	69.19	70.41	1.22		.00						20	<.4	884	<4	104						
R8811923	70.41	71.93	1.52		.00						<10	<.4	58	4	83						
R8811924	71.93	73.76	1.83		.00						<10	<.4	43	4	88						
R8811925	73.76	75.29	1.52		.00						<10	<.4	411	<4	111						
R8811926	75.29	76.81	1.52		.00						20	<.4	378	5	95						
R8811927	76.81	78.33	1.52		.00						<10	<.4	902	<4	134						
R8811928	78.33	79.86	1.52		.00						<10	<.4	190	<4	111						
R8811929	79.86	81.69	1.83		.00						<10	<.4	16	6	112						
R8811930	81.69	83.21	1.52		.00						<10	<.4	22	8	92						
R8811931	83.21	84.73	1.52		.00						<10	<.4	119	<4	141						
R8811932	84.73	86.26	1.52		.00						<10	<.4	44	<4	133						
R8811933	86.26	87.78	1.52		.00						20	<.4	49	4	104						
R8811934	87.78	89.31	1.52		.00						20	<.4	31	5	106						
R8811935	89.31	90.83	1.52		.00						<10	<.4	37	4	113						
R8811936	90.83	92.35	1.52		.00						22	<.4	33	<4	137						
R8811937	92.35	93.88	1.52		.00						28	<.4	14	<4	113						
R8811938	93.88	95.40	1.52		.00						20	<.4	7	<4	100						
R8811939	95.40	96.93	1.52		.00						<10	<.4	21	<4	106						
R8811940	96.93	98.45	1.52		.00						<10	<.4	15	<4	95						
R8811941	98.45	99.97	1.52		.00						<10	<.4	21	<4	117						
R8811942	99.97	101.19	1.22		.00						<10	<.4	32	<4	89						
R8811943	101.19	102.72	1.52		.00						<10	<.4	24	<4	93						
R8811944	102.72	104.24	1.52		.00						<10	<.4	60	<4	100						
R8811945	104.24	105.77	1.52		.00						32	<.4	40	<4	78						
R8811946	105.77	107.29	1.52		.00						<10	<.4	35	<4	43						
R8811947	107.29	108.81	1.52		.00						100	<.4	101	12	64						
R8811948	108.81	110.34	1.52		.00						104	.4	120	13	63						
R8811949	110.34	111.86	1.52		.00						100	<.4	90	14	73						
R8811950	111.86	113.39	1.52		.00						64	<.4	286	7	76						
R8811951	113.39	115.82	2.44		.00						60	<.4	287	5	105						
R8811952	115.82	117.35	1.52		.00						20	<.4	315	<4	89						
R8811953	117.35	118.87	1.52		.00						40	<.4	429	<4	87						
R8811954	118.87	122.83	3.96		.00						32	<.4	248	5	79						
R8811955	124.66	126.64	1.98		.00						20	<.4	26	<4	54						
R8811956	130.76	132.28	1.52		.00						26	<.4	33	<4	55						
R8811957	132.28	133.81	1.52		.00						28	<.4	96	<4	55						
R8811958	133.81	135.33	1.52		.00						22	<.4	7	4	94						
R8811959	135.33	136.25	.92		.00						20	<.4	6	<4	125						
R8811960	136.25	137.77	1.52		.00						<10	<.4	42	<4	49						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8811961	137.77	139.29	1.52		.00						<10	<.4	9	<4	31						
R8811962	139.29	140.82	1.52		.00						40	.4	26	<4	66						
R8811963	140.82	142.34	1.52		.00						<10	<.4	20	<4	33						
R8811964	142.34	143.56	1.22		.00						26	.4	11	<4	53						
R8811965	143.56	144.02	.46		.00						20	.6	10	<4	50						
R8811966	144.02	145.39	1.37		.00						20	<.4	7	<4	43						
R8811967	145.39	146.91	1.52		.00						<10	.4	10	<4	47						
R8811968	146.91	148.44	1.52		.00						<10	.4	19	<4	39						
R8811969	148.44	149.96	1.52		.00						<10	.6	4	<4	41						
R8811970	149.96	151.49	1.52		.00						<10	.5	6	<4	43						
R8811971	151.49	153.01	1.52		.00						<10	.5	2	<4	40						
R8811972	153.01	154.53	1.52		.00						<10	.5	8	38	66						
R8811973	154.53	156.06	1.52		.00						20	.4	7	<4	34						
R8811974	156.06	157.58	1.52		.00						40	.7	9	8	37						
R8811975	157.58	159.11	1.52		.00						24	.5	7	<4	34						
R8811976	159.11	160.32	1.22		.00						<10	.5	8	<4	32						
R8811977	160.32	161.24	.91		.00						<10	.4	8	<4	28						
R8811978	161.24	162.46	1.22		.00						<10	.6	19	<4	35						
R8811979	162.46	163.37	.92		.00						<10	.5	7	<4	40						
R8811980	163.37	164.90	1.52		.00						<10	<.4	24	<4	43						
R8811981	164.90	167.03	2.13		.00						78	1.3	449	7	36						
R8811845	167.03	168.55	1.52		.00						60	.4	195	26	47						
R8811846	168.55	170.08	1.52		.00						62	.6	964	18	55						
R8811847	170.08	171.60	1.52		.00						40	.5	32	14	42						
R8811848	171.60	173.13	1.52		.00						42	.5	31	12	52						
R8811849	173.13	173.43	.30		.00						86	.5	13	18	39						
R8811850	173.43	174.96	1.52		.00						<10	<.4	15	10	49						
R8811851	174.96	176.48	1.52		.00						22	<.4	13	7	34						
R8811852	176.48	178.00	1.52		.00						30	<.4	14	6	31						
R8811853	178.00	179.98	1.98		.00						32	<.4	13	4	31						
R8811854	179.98	181.36	1.37		.00						52	<.4	27	13	47						
R8811855	181.36	182.88	1.52		.00						60	<.4	28	15	59						
R8811856	182.88	184.10	1.22		.00						100	<.4	25	21	35						
R8811857	184.10	185.32	1.22		.00						84	.5	34	23	47						
R8811858	185.32	185.62	.31		.00						40	<.4	19	14	27						
R8811859	185.62	185.78	.15		.00						84	.7	49	23	34						
R8811860	185.78	185.93	.15		.00						38	<.4	17	16	26						
R8811861	185.93	186.23	.31		.00						96	.4	61	20	34						
R8811862	186.23	186.84	.61		.00						40	.5	23	23	62						
R8811863	186.84	188.37	1.52		.00						80	.5	36	13	30						
R8811864	188.37	190.50	2.13		.00						84	.9	43	18	44						
R8811865	190.50	192.02	1.52		.00						182	2.4	106	38	40						
R8811866	192.02	192.79	.76		.00						76	1.1	48	20	28						
R8811867	192.79	194.16	1.37		.00						76	2.7	76	30	46						
R8811868	194.16	195.07	.91		.00						96	1.7	231	33	70						
R8811869	195.07	196.60	1.52		.00						260	2.2	112	50	38						
R8811870	196.60	197.66	1.07		.00						120	1.2	83	43	31						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8811871	197.97	199.34	1.37		.00						20	.5	42	17	201						
R8811872	199.34	201.32	1.98		.00						20	.7	34	15	159						
R8811873	201.32	201.78	.46		.00						112	2.4	222	77	97						
R8811874	201.78	202.69	.91		.00						22	1.0	466	15	126						
R8811875	202.69	204.52	1.83		.00						20	.5	541	14	133						
R8811876	204.52	204.83	.31		.00						42	<.4	50	24	94						
R8811877	204.83	206.35	1.52		.00						100	3.6	161	94	36						
R8811878	206.35	207.87	1.52		.00						156	6.9	204	44	28						
R8811879	207.87	209.09	1.22		.00						160	6.9	210	110	281						
R8811880	209.09	210.92	1.83		.00						120	5.2	2100	61	192						
R8811881	210.92	211.53	.61		.00						46	1.5	440	29	23						
R8811982	211.53	211.84	.30		.00						144	1.8	678	182	231						
R8811983	211.84	213.66	1.83		.00						100	1.7	534	47	155						
R8811984	213.66	215.19	1.52		.00						136	3.1	1850	74	156						
R8811985	215.19	216.71	1.52		.00						134	1.4	1530	29	184						
R8811986	216.71	218.24	1.52		.00						100	1.5	1300	96	135						
R8811987	218.24	219.76	1.52		.00						100	2.9	139	248	40						
R8811988	219.76	221.29	1.52		.00						60	2.1	125	291	39						
R8811989	221.29	222.81	1.52		.00						160	1.3	159	75	230						
R8811990	222.81	224.33	1.52		.00						40	1.2	588	45	232						
R8811991	224.33	225.86	1.52		.00						40	1.3	556	74	52						
R8811992	225.86	227.38	1.52		.00						24	.8	346	40	30						
R8811993	227.38	228.29	.91		.00						42	.7	93	30	68						
R8811994	228.29	229.82	1.52		.00						26	.9	111	37	50						
R8811995	229.82	231.34	1.52		.00						40	.8	580	27	18						
R8811996	231.34	232.87	1.52		.00						40	1.2	325	18	45						
R8811997	232.87	234.39	1.52		.00						46	1.0	106	9	27						
R8811998	234.39	235.31	.91		.00						52	1.2	31	8	20						
R8811999	238.20	239.88	1.68		.00						44	1.8	41	12	19						
R8812000	239.88	241.55	1.68		.00						20	1.0	21	4	9						
R8812001	242.32	243.84	1.52		.00						<10	.6	515	<4	25						
R8812002	243.84	245.36	1.52		.00						60	1.4	1170	9	57						
R8812003	245.36	246.89	1.52		.00						34	.7	44	<4	23						
R8812004	246.89	248.72	1.83		.00						20	.9	21	<4	86						
R8812005	252.68	254.20	1.52		.00						160	3.3	90	39	30						
R8812006	254.20	256.03	1.83		.00						242	3.1	57	6	36						
R8812007	256.79	258.17	1.37		.00						116	2.6	63	<4	94						
R8812008	258.17	259.69	1.52		.00						136	1.6	618	4	46						
R8812009	259.69	261.21	1.52		.00						266	1.3	1010	13	22						
R8812010	261.21	262.43	1.22		.00						220	.9	1390	14	25						
R8812011	262.43	262.74	.30		.00						446	3.9	>14700	15	68						
R8812012	262.74	264.26	1.52		.00						344	1.1	528	13	26						
R8812013	264.26	265.79	1.52		.00						258	1.4	785	13	39						
R8812014	265.79	267.31	1.52		.00						184	2.0	1720	9	40						
R8812015	267.31	268.68	1.37		.00						202	2.5	984	11	33						
R8812016	268.68	270.36	1.68		.00						58	1.1	153	5	64						
R8812017	270.36	271.88	1.52		.00						36	.6	75	<4	30						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8812018	271.88	273.07	1.19		.00						32	.5	104	4	15						
R8812019	272.95	273.10	.15		.00						46	.7	70	10	88						
R8812020	273.10	274.17	1.07		.00						40	.8	64	4	19						
R8812021	274.17	276.00	1.83		.00						<10	.6	610	<4	26						
R8812022	276.00	277.37	1.37		.00						20	.7	301	<4	103						
R8812023	277.37	278.89	1.52		.00						36	.8	37	<4	57						
R8812024	278.89	280.42	1.52		.00						20	1.0	29	<4	68						
R8812025	280.42	281.94	1.52		.00						36	.8	72	5	116						
R8812026	282.70	284.23	1.52		.00						56	1.4	269	22	269						
R8812027	284.23	284.84	.61		.00						30	.5	70	17	200						
R8812028	284.84	285.45	.61		.00						<10	<.4	52	13	121						
R8812029	285.90	287.27	1.37		.00						<10	.7	37	12	128						
R8812030	293.07	294.44	1.37		.00						<10	.5	29	<4	87						
R8812031	294.44	296.57	2.13		.00						<10	.6	21	4	73						
R8812032	296.57	297.79	1.22		.00						<10	<.4	17	4	146						
R8812033	297.79	299.31	1.52		.00						20	.7	28	11	94						
R8812034	299.31	300.84	1.52		.00						<10	.6	29	9	98						
R8812035	300.84	302.36	1.52		.00						24	.6	35	22	116						
R8812036	302.36	303.89	1.52		.00						20	.6	46	17	254						
R8812037	303.89	305.41	1.52		.00						26	.6	41	25	187						
R8812038	305.41	306.93	1.52		.00						20	.7	21	15	135						
R8812039	306.93	308.46	1.52		.00						<10	.6	20	11	106						
R8812040	308.46	309.98	1.52		.00						28	.5	35	12	165						
R8812041	309.98	311.51	1.52		.00						40	.7	83	6	212						
R8812042	311.51	313.03	1.52		.00						98	3.4	362	40	>18000						
R8812043	313.03	314.71	1.68		.00						60	1.6	54	26	668						
R8812044	314.71	316.08	1.37		.00						78	1.1	27	10	112						
R8812045	316.08	317.60	1.52		.00						60	.9	54	10	187						
R8812046	317.60	319.13	1.52		.00						80	1.0	18	16	91						
R8812047	319.13	320.65	1.52		.00						40	.9	19	30	82						
R8812048	320.65	322.17	1.52		.00						120	1.1	29	28	172						
R8812049	322.17	323.70	1.52		.00						38	.5	15	21	96						
R8812050	323.70	325.22	1.52		.00						28	.6	15	7	65						
R8812051	325.22	326.75	1.52		.00						26	.5	11	12	79						
R8812052	326.75	327.66	.91		.00						34	.7	37	6	61						
R8812053	334.67	336.19	1.52		.00						32	.8	23	11	195						
R8812054	336.19	337.72	1.52		.00						24	.6	18	8	83						
R8812055	337.72	339.24	1.52		.00						40	1.1	11	8	65						
R8812056	339.24	340.46	1.22		.00						40	.9	14	6	77						
R8812057	340.46	341.99	1.52		.00						20	.8	12	7	72						
R8812058	341.99	343.51	1.52		.00						24	.7	13	6	84						
R8812059	343.51	345.03	1.52		.00						36	.8	16	10	79						
R8812060	345.03	346.56	1.52		.00						40	1.1	17	8	96						
R8812061	346.56	348.08	1.52		.00						<10	.7	14	7	87						
R8812062	348.08	349.61	1.52		.00						20	.8	17	20	632						
R8812063	349.61	351.13	1.52		.00						20	1.7	15	247	1150						
R8812064	351.13	352.65	1.52		.00						<10	.5	16	22	161						
R8812065	352.65	354.18	1.52		.00						<10	.4	12	7	101						

TCU-88-2

Hole No: TCU-88-2
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15029.90
(metres) E: 10461.50

Azimuth: 65.0
Dip: -50.0
Length (m): 389.23
Elevation: 110.05
(metres)
Purpose:

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: AUG. 8, 1988
Completed: AUG. 13, 1988
Recovery:

Date Logged: AUG. 8, 1988
Logged By: M.J. CASSELMAN
Date Re-logged: AUG.16-22, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:19am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	65.0	-50.0															
149.4	64.0	-46.0	289.6		-40.0	383.1		-33.0									

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	34.44	BASALT ASH TUFF: Medium grey colour, well-sorted and locally bedded ash tuff with local intervals of lapilli-size fragments which are black, dominantly less than 3 cm, with cuspate or crescent shaped boundaries (phreatic aquagene tuff), fragments are clast-supported by fine, medium-grey ash tuff; 5% disseminated pyrite throughout as fine grains or euhedral cubes up to ~ 2 mm, locally concentrated along possible bedding planes and/or along discordant channel-ways and diffuse veins. (Other geologists in camp have referred to this as an 'epiclastic' unit). Lower contact is sharp at 60° to core axis. Weak, pervasive sericite/clay alteration, local white silica flooding and very weak white quartz veining; trace jasper.										
.00	14.15	BASALT ASH TUFF: Medium-grey ash tuff, generally homogeneous, with minor chloritic shears.										
14.15	15.19	BASALT LAPILLI TUFF: Rapid gradational contacts with matrix supported aquagene breccia; black, angular, cuspate fragments (~ 50%) in medium-grey ash matrix.										
15.19	16.46	BASALT ASH TUFF: Same as from 0 - 14.15 m, with coarse ash and rare fine lapilli, apparent bedding at 50° to core axis at bottom of interval.										
16.46	22.53	BASALT LAPILLI TUFF: Sharp upper contact with gradational lower contact; phreatic aquagene breccia with black, angular, cuspate fragments (40 - 50%) supported in a medium grey fine ash matrix with very weak pinkish/maroon hematitic tinge. Lower 40 cm is bedded with subrounded, fine lapilli-size										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number

fragments intermixed with coarse ash; bedding at 60° to core axis.

17.17 18.90 BASALTIC DYKE: Dark grey to black, very fine-grained; weak to non-magnetic; ~ 1 % combined round quartz phenocrysts(?) 1-4 mm dia. And subhedral feldspar phenocrysts (~1-2 mm); upper contact sharp at ~ 45° to core axis. Lower contact sharp at 70° to core axis.

23.44 24.08 BASALT ASH TUFF: Dark grey to black basaltic ash tuff with ~ 5 - 10% light grey feldspar laths; 5-10% pyrite.

24.08 31.47 BASALT ASH TUFF: Medium grey to whitish fine ash tuff with minor quartz-veining and associated silica flooding; pyrite as concentrated disseminations in and around veins (1 - 3 cm wide); upper and lower contacts are gradational.

31.47 34.44 BASALT LAPILLI TUFF: Medium grey transition zone of basaltic ash tuff grading downwards to sub-rounded lapilli and sub-rounded breccia fragments.

34.44 41.76 BASALT FLOW BRECCIA: SILICIFIED
Mixed interval of large heterolothic fragments in greyish weakly silicified basaltic ash tuff, fragments are up to ~ 70 cm with vague boundaries; include light grey pumaceous boulders with quartz and pyrite filled vesicles (up to ~ 80% round quartz filled vesicles, also thought to be epiclastic reworked cherty sandstone), dark grey scoriaceous andesite/basalt with ~ 5 - 10% grey quartz and/or pyrite filled vesicles; ~ 10% fine, disseminated pyrite throughout.

41.76 67.36 BASALT LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE
Variably altered dacite(?) to basalt, heterolithic lapilli tuff 'breccia'. Fragment supported, dominantly (50%) dark grey to black lapilli-size basalt fragments with occassional sharp cuspate edges (aquagene tuff); other fragments are generally rounded, including scoriaceous basalt with 5 to 50% quartz and/or pyrite filled vesicles; medium grey pumaceous fragments with ~40-80% quartz and/or pyrite filled vesicles; rare fragments of grey ash tuff; probable debris flow.

67.36 83.10 BASALT LAPILLI TUFF: , WITH DISSEMINATED PYRITE
Transition between phreatic aquagene breccia above and basalt flow below; 2-5% fine to coarse granular pyrite throughout, from 0.5-2mm dia. See sub-units below for more detail.

67.36 72.85 BASALT LAPILLI TUFF: Heterolithic lapilli fragments similar to above unit (from 41.76 to 67.36 metres), however lacking white quartz matrix; interval is entirely fragment supported or with fine lapilli to ash matrix; fragments are sub-rounded.

72.85 83.10 BASALT LAPILLI TUFF: Heterolithic, dark grey to black, strong chlorite altered lapilli tuff (andesitic?) with very fine disseminated pyrite (2-5%) and coarse pyrite grains throughout; lower contact is sharp and sheared over 2cm, at

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		70° to core axis.										
83.10	126.60	BASALT FLOW: Medium greyish-green basaltic flow with ~10% subhedral to euhedral amphibole (hornblende?) laths 1-3 mm long, totally replaced by very fine green chlorite, evenly distributed throughout, locally aligned at varible angles to core; 2-10% whitish to grey anhedral to subhedral feldspar grains and crystals 1-3mm dia., distributed unevenly throughout; ~5% fine disseminated and granular pyrite, locally concentrated into irregular masses and narrow veins (<2cm wide).										
		113.55 114.65 SLOKO RYHOLITE DYKE: Whitish beige, very fine-grained rhyolite dyke with flow-banding at 70° to core axis, same as upper sharp contact; lower contact is sharp and irregular.										
		118.90 122.53 SLOKO RYHOLITE DYKE: Same as above; upper contact is sharp with flow-banding, both at 50° to core axis; lower contact is missing (sample of core taken by GSC); adjacent flow-banding at 40-50° to core axis.										
126.60	127.10	SLOKO RYHOLITE DYKE: Whitish rhyolite dyke; sharp upper and lower contacts at 60° and 65° to core axis respectively.										
127.10	159.40	EXHALITIC TUFF: , WITH DISSEMINATED PYRITE Medium to light grey coloured, intermixed dacitic ash with whispy to fragmental whitish-grey chert (~5-10%), but locally chert poor; pyrite varies from 2-25%, disseminated and locally concentrated in fine ash intervals.	R8812298	127.41	128.93	1.52						
			R8812299	128.93	130.45	1.52						
			R8812300	130.45	131.98	1.52						
			R8812301	131.98	133.50	1.52						
			R8812302	133.50	134.72	1.22						
			R8812303	134.72	136.55	1.83						
			R8812304	136.55	138.07	1.52						
			R8812305	138.07	139.60	1.52						
			R8812306	139.60	141.43	1.83						
			R8812307	141.43	143.26	1.83						
			R8812308	144.17	145.09	.92						
			R8812309	145.09	146.61	1.52						
			R8812310	146.61	147.52	.91						
			R8812311	147.52	149.05	1.52						
			R8812312	149.05	150.57	1.52						
			R8812313	150.57	152.10	1.52						
			R8812314	152.10	153.62	1.52						
			R8812315	153.62	154.53	.91						
			R8812316	154.53	156.06	1.52						
			R8812317	156.06	158.19	2.13						
			R8812318	158.19	159.41	1.22						
		127.10 148.00 EXHALITIC TUFF: As above with ~5% zones of white silica (chert) veining up to 20 cm wide supporting light grey altered angular fragments; pyrite ranges from 2-5% at top increasing downwards to 20-25% at bottom.										
		143.34 144.06 BASALTIC DYKE: Dark green-grey, fine to medium-grained, non-magnetic dyke; sharp contacts at ~80-90° to core axis; core sampled by GSC.										
		148.00 154.30 EXHALITIC TUFF: Light grey coloured, weak to moderate sericite-clay altered dacitic ash tuff with minor (~10%) lapilli fragments; ~5% disseminated pyrite.										
		154.30 158.30 EXHALITIC TUFF: Breccia zone of white chert matrix supporting 40% dark greenish grey angular pyritic and intense sericitized ash fragments; 5-10% disseminated pyrite throughout matrix and fragments.										
		158.30 159.40 EXHALITIC TUFF: Same as above from 148.00 to 154.30 metres.										
159.40	180.40	VOLCANIC SEDIMENTS:										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		Olive-green grey colour; very fine-grained pyritic tuffaceous argillite; upper 4.5 metres is fine dacitic ash fall tuff, weakly (2-5%) chlorite-replaced amphibole phyric with trace to 2% chert grains; interval fines downwards to clayey mudstone with very fine disseminated syngenetic pyrite (~25%), locally concentrated into irregular masses; entire interval is very soft and weakly foliated at 60-70° to core axis; lower 2 metres is bleached pale green to beige, intense sericite or phyllic (talc?) alteration with trace bright greenish fuchsite.	R8812319	159.41	161.09	1.68						
			R8812320	161.09	162.46	1.37						
			R8812321	162.46	164.29	1.83						
			R8812322	164.29	165.81	1.52						
			R8812323	165.81	167.34	1.52						
			R8812324	167.34	168.86	1.52						
			R8812325	168.86	170.38	1.52						
			R8812326	170.38	171.91	1.52						
			R8812327	171.91	173.43	1.52						
			R8812328	173.43	174.96	1.52						
			R8812329	174.96	176.17	1.22						
			R8812330	176.17	176.48	.31						
			R8812331	176.48	178.00	1.52						
			R8812332	178.00	178.31	.30						
			R8812333	178.31	179.83	1.52						
			R8812334	179.83	180.44	.61						
180.40	181.05	BASALTIC DYKE: Dark green to black, fine-grained, very weakly magnetic basaltic dyke cut by rare pyrite veinlets; upper contact is sharp at 65° to core axis; lower contact is sharp at 60° to core axis.										
181.05	189.00	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Mixed zone of whitish to grey-green fragments in slump breccia or debris flow; pale greyish to white chert fragments within whitish sulphate (gypsum?) and intense sericitized dacitic ash(?) or lapilli(?) tuff; pyrite is intermixed throughout from 1-3% as fine disseminations, locally concentrated (~5%) in areas of sericitization without fragments; upper 20 cm of interval is massive (90%) pyrite.	R8812335	181.05	181.36	.31						
			R8812336	181.36	182.88	1.52						
			R8812337	182.88	184.40	1.52						
			R8812338	184.40	185.93	1.52						
			R8812339	185.93	187.45	1.52						
			R8812340	187.45	188.98	1.52						
			R8812250	188.98	190.50	1.52						
189.00	201.80	PYRITE FACIES: , WITH MASSIVE PYRITE Massive pyrite up to 95% with intermixed intervals of dacitic mud or exhalitic chert/sulphate. 189.00 191.20, With MASSIVE PYRITE Massive pyrite up to 95% with intermixed intervals of dacitic mud, or exhalitic chert/sulphate,. 191.20 191.85 EXHALITIC TUFF: Intermixed greenish-grey mudstone; lenticular pyrite fragments; sericitized lapilli fragments in slumped or weakly brecciated interval; sheared, elongated at 35° to core axis. 191.85 198.12, With MASSIVE PYRITE Zone of dominantly massive pyrite (~80-90%) intermixed with ~5% black specular hematite; minor (~2%) white chert; local narrow intervals (20-40 cm) of dacitic tuff; fine-grained pyritic mudstone and pyritic fragment breccias (debris flow); 195 to 196.50 metres has ~5% sphalerite; 196.6 to 197.20 has up to 10% disseminated	R8812251	190.50	191.26	.76						
			R8812252	191.26	192.02	.76						
			R8812253	192.02	193.09	1.07						
			R8812254	193.09	194.31	1.22						
			R8812255	194.31	195.07	.76	.11	1.25	1.21	.10	.13	
			ZAE	194.31	197.21	2.90						
			R8812256	195.07	195.99	.91	.03	.34	.42	.02	2.10	
			R8812257	195.99	196.60	.61	.05	.65	1.04	.02	3.00	
			R8812258	196.60	197.21	.61	.22	3.49	5.42	.22	.80	
			R8812259	197.21	197.51	.30	.05	.59	.87	.02	.07	
			Z16	197.21	198.43	1.22						
			R8812260	197.51	197.97	.46	.04	.46	.52	.20	.80	
			R8812261	197.97	198.43	.46	.02	.07	.07	.22	1.90	
			R8812262	198.43	199.80	1.37						
			Z17	198.43	199.80	1.37						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		chalcopyrite.	R8812263	199.80	200.25	.46	.07	.64	1.90	.02	.31	
198.12	199.74	EXHALITIC TUFF: Whitish grey cherty ash tuff matrix with gypsum-barite intermixed, supporting ~10% pyrite fragments, and 20% dark greenish, intense sericitized lapilli-size fragments.	Z18	199.80	202.69	2.89						
			R8812264	200.25	201.78	1.52	.03	.26	1.03	.06	.88	
			R8812265	201.78	202.69	.91	.01	.27	.11	.28	.60	
199.74	201.80,	With MASSIVE PYRITE Massive, fine-grained pyrite; 2-5% fine, disseminated chalcopyrite.										
201.80	211.84	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Light grey colour grading down to medium grey to dark green; chaotic mixture of cherty tuff, whitish chert fragments and rare chert bands(?); minor barite (2-5%) intermixed with greyish to dark green sericite to chlorite altered dacite(?) lapilli fragments (30-40%) and dacitic ash(?); local foliation at 75° to core axis; trace disseminated pyrite and chalcopyrite throughout; lower ~3 metres contains small (2mm to 1.5cm) rounded pyritic fragments.	R8812266	202.69	204.22	1.52						
			R8812341	204.22	205.74	1.52						
			R8812342	205.74	207.26	1.52						
			R8812343	207.26	208.79	1.52						
			R8812344	208.79	210.31	1.52						
			R8812345	210.31	211.84	1.52						
			R8812267	211.84	212.45	.61						
211.84	213.26	EXHALITIC TUFF: Very fine-grained, light grey colour grading down to light olive grey-green; sharp upper contact at 65° to core axis with upper 20 cm of interval a pyritic ash tuff, bedded at 65° to core axis; grades downwards to light grey, fine, homogeneous, cherty tuff, becoming less siliceous downwards to increasingly sercitic; lower contact is marked by cherty bands (~0.5-1.0 cm thick) at 60° to core axis.	R8812268	212.45	213.66	1.22						
213.26	217.32	ZINC FACIES: SERICITIC , WITH BANDED SPHALERITE Fragmental dacitic lapilli ash tuff; upper 20 cm is marked by thin-bedded white chert at 60° to core axis, grading downward to fragmental (boudinaged?) chert in intense sericitized dacitic ash and lapilli; locally appears to be debris flow with chaotic fragmental textures; pyrite occurs throughout, from 5-10%, disseminated and in fine-grained irregular masses; honey-coloured sphalerite occurs disseminated throughout from 2% to 25%, locally in medium-grained masses or thick bands(?), (ie. From 215.43 to 216.72 metres); trace to 3% galena; trace to 2% chalcopyrite.	ZAF	213.66	217.32	3.66						
			R8812269	213.66	214.27	.61	.01	.71	.17	.33	1.63	
			R8812270	214.27	214.73	.46	.02	1.66	.30	1.27	6.20	
			R8812271	214.73	215.04	.30	.01	.57	.24	.10	.22	
			R8812272	215.04	215.65	.61	.02	3.82	1.15	1.80	10.20	
			R8812273	215.65	216.71	1.07	.03	3.27	.76	3.30	34.10	
			R8812274	216.71	217.32	.61	.02	1.85	.46	1.65	4.10	
217.32	231.95	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium to dark greenish grey, dominantly exhalitic ash tuff intermixed with very fine-grained disseminated exhalitic pyrite up to 10-20%, locally concentrated into fine-grained masses; ash tuff is weakly to moderate sericitized; minor (10-20%) locallized lapilli-size fragments of possible pumaceous or scoriaceous material with sericite-chlorite replaced amygdules; rare pyrite-quartz filled amygdules; locally developed foliation or 'smearing' at 45° to 60° to core axis.	Z21	217.32	218.54	1.22						
			R8812275	217.32	217.93	.61	.01	.22	.08	.29	1.07	
			R8812276	217.93	218.54	.61	.01	.40	.15	.08	.64	
			R8812277	218.54	219.15	.61						
			R8812278	219.15	219.76	.61						
			R8812279	219.76	221.13	1.37						
			R8812280	221.13	221.59	.46						
			R8812281	221.59	222.66	1.07						
			R8812282	222.66	224.18	1.52						
			R8812283	224.18	224.94	.76						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8812284	224.94	226.47	1.52						
			R8812346	226.47	227.99	1.52						
			R8812347	227.99	229.51	1.52						
			R8812348	229.51	231.19	1.68						
			R8812349	231.19	232.87	1.68						
231.95	236.22	BASALT ASH TUFF: CHLORITIC Dark greenish to black, moderate to strong chlorite altered, local moderate biotite altered, fine fragmental basalt to andesite, dominantly ash with ~15-20% fine lapilli; local fine-grained mudstone-ash layers at ~60° to core axis. Fine-grained disseminated pyrite occurs throughout, mixed interstitially with ash; pyrite content increases downwards from ~5% up to locally 50% in fine mudstone-ash layers.	R8812350	232.87	233.78	.91						
			R8812351	233.78	235.15	1.37						
			R8812352	235.15	235.76	.61						
			R8812353	235.76	236.22	.46						
236.22	239.27	DACITE ASH TUFF: , WITH DISSEMINATED PYRITE Medium grey coloured, fine dacitic ash tuff with 2-5% very fine disseminated pyrite, locally up to 50% over 1-3 cm; upper 30 cm of interval is marked by disrupted, white cherty layers or fragments within strongly sericitized dacite(?) fragments; trace chalcopyrite?.	R8812354	236.22	237.74	1.52						
			R8812355	237.74	239.27	1.52						
239.27	240.50	BASALTIC DYKE: Two fine-grained, dark grey to black, non to moderately magnetic andesitic dykes with sharp, chilled quartz-rich contacts at 35° to 45° to core axis seperated by 46 cm of grey cherty tuff(?).	R8812356	239.73	240.18	.46						
			R8812357	240.49	242.01	1.52						
240.50	246.28	CHERT: SILICIFIED , WITH DISSEMINATED PYRITE Light grey to medium grey tuffaceous chert, fine to medium-grained with 15-20% pyrite as distinct, sub-rounded fragments or as irregular shaped disseminated masses; pyrite is near massive in patches towards bottom of interval.	R8812358	242.01	243.54	1.52						
			R8812359	243.54	244.75	1.22						
			R8812360	244.75	246.28	1.52						
			R8812361	246.28	248.11	1.83						
246.28	247.80	SLOKO RYHOLITE DYKE: Fine-grained to aphanitic, cream coloured rhyolite dyke with strong flow-banding along irregular contacts; flow-banding is near parallel to core axis at upper contact, changing to 30° to core axis at lower contact.										
247.80	280.10	EXHALITIC TUFF: , WITH DISSEMINATED PYRITE Medium grey colour, locally light to dark; cherty dacitic lapilli to ash tuff with disseminated pyrite throughout, from trace to 10%.	R8812362	248.11	248.41	.31						
			R8812363	248.41	249.63	1.22						
		247.80 249.65 EXHALITIC TUFF: Mixed fragmental at top of interval consisting of white tuffaceous cherty matrix, supporting intense sericitized, green-grey lapilli fragments; rest of interval is fine, whitish, tuffaceous bands (~1 cm wide); trace to 2% disseminated pyrite.	R8812285	249.63	250.24	.61						
			R8812286	250.24	251.00	.76						
			R8812287	251.00	252.07	1.07						
			R8812288	252.07	252.68	.61						
			R8812289	252.68	253.29	.61						
		249.65 280.10 CHERT: Medium grey, fine lapilli tuff to coarse, cherty ash intermixed with 10-15% pyrite (locally less); trace to 1% disseminated chalcopyrite; lapilli fragments are strongly	R8812290	253.29	254.20	.91						
			R8812291	254.20	254.81	.61						
			R8812292	254.81	255.12	.30						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		chlorite-sericite altered while finer ash component is cherty; rare chert/silica bands (~1cm wide or less); from 255.12 to 255.42 is white cherty matrix supporting 20% angular sericitic brecciated fragments up to ~3 cm; from 256.18 to 256.62 is fine basaltic dyke with sharp, irregular contacts; from 264.25 to 267.30 is dominanty ash tuff with disseminated pyrite and low chert component; fine-grained and sericitic.	R8812293	255.12	255.42	.30						
			R8812294	255.42	256.18	.76						
			R8812295	256.64	257.86	1.22						
			R8812296	257.86	258.77	.91						
			R8812297	258.77	260.45	1.68						
			R8812364	260.45	261.82	1.37						
			R8812365	261.82	262.89	1.07						
			R8812366	262.89	263.65	.76						
			R8812367	263.65	265.18	1.52						
			R8812368	265.18	266.70	1.52						
			R8812369	266.70	267.31	.61						
			R8812370	267.31	268.83	1.52						
			R8812371	268.83	270.36	1.52						
			R8812372	270.36	271.88	1.52						
			R8812373	271.88	273.41	1.52						
			R8812374	273.41	274.93	1.52						
			R8812375	274.93	276.45	1.52						
			R8812376	276.45	277.98	1.52						
			R8812377	277.98	279.65	1.68						
280.10	362.70	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Medium to light grey exhalitic tuff 'breccia' dominated by chert fragments and cherty ash tuff supporting variably sericitic, angular to stretched and whispy dacite(?) fragments; disseminated pyrite throughout from 2-10%, dominantly in sericitized zones; pyritic sericite zones are greenish-yellow weathered (limonitic) with probable soft, dolomitic carbonate; abundance of dacitic volcanics to chert varies; rare breccia-size fragments of vesicular, pumaceous to scoriaceous material; textures are generally vague and indistinct. NOTE: Core has not been split, however it contains up to 10% pyrite throughout.										
		310.00 312.58 BASALTIC DYKE: Fine-grained, dark green, quartz veinleted, with sharp, broken, brecciated contacts; moderate pervasive chlorite alteration; moderately magnetic.										
		315.47 316.84 BASALTIC DYKE: Same as above basaltic dyke.										
		317.00 318.20 SERICITIC Grey ash tuff with foliated fabric at 20° to core axis at top, steepening to 45° to core axis at bottom.										
		321.56 323.00 DACITE LAPILLI TUFF: Vesicular (pumaceous?) fragments from 2-10 cm infilled with grey silica and pyrite; 'wormy' intergrowth textures of sheared and folded pyrite veinlets.										
		327.05 329.50 DACITE LAPILLI TUFF: Medium to dark grey, fine dacitic(?) lapilli tuff, very weakly altered.										
		329.50 330.25 BASALTIC DYKE: Medium grained, dark green, sharp upper and lower contacts.										
		331.50 332.08, With MASSIVE PYRITE Massive pyrite zone, up to 50% coaresly disseminated and in brecciated masses.										
		335.90 337.57 BASALTIC DYKE: Fine-grained, dark green to black; sharp upper contact at 70° to core axis; lower contact sharp at										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		90° to core axis.										
337.57	347.50	CHERT: Tuffaceous chert as described for major unit with trace red-brown sphalerite grains (2mm to 1cm) disseminated throughout. NOTE: recommend this interval be split into samples up to 1.5 metres long.										
362.70	381.75	BASALT LAPILLI TUFF: SILICIFIED Medium grey basaltic ash supporting black lapilli tuff fragments; matrix is soft, weakly sericitic altered; fragments are sub-angular to rounded, aligned at 70-90° to core axis; interval is much less altered than intervals above and below; trace to 2% disseminated pyrite; rare quartz-filled vesicles in scoriaceous fragments.										
381.75	389.23	BASALT LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Similar to above interval with yellow-brown oxidation of pyrite on core surface; up to 10% disseminated pyrite, moderate sericite and clay altered; light grey to yellowish colour; local rounded scoriaceous fragments with silica-filled vesicles.										
389.23		EOH										

Hole No: TCU-88-2
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15029.90
(metres) E: 10461.50

Azimuth: 65.0
Dip: -50.0
Length (m): 389.23
Elevation: 110.05
(metres)
Purpose:

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: AUG. 8, 1988
Completed: AUG. 13, 1988
Recovery:

Date Logged: AUG. 8, 1988
Logged By: M.J. CASSELMAN
Date Re-logged: AUG.16-22, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:01pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8812298	127.41	128.93	1.52		.00						120	1.0	87	13	125						
R8812299	128.93	130.45	1.52		.00						62	.6	22	4	85						
R8812300	130.45	131.98	1.52		.00						60	.5	19	<4	129						
R8812301	131.98	133.50	1.52		.00						40	.5	51	<4	751						
R8812302	133.50	134.72	1.22		.00						20	.4	18	<4	130						
R8812303	134.72	136.55	1.83		.00						<10	.4	9	<4	77						
R8812304	136.55	138.07	1.52		.00						92	1.4	17	6	72						
R8812305	138.07	139.60	1.52		.00						140	3.5	24	13	114						
R8812306	139.60	141.43	1.83		.00						102	1.2	42	8	120						
R8812307	141.43	143.26	1.83		.00						164	.8	52	16	37						
R8812308	144.17	145.09	.92		.00						96	.6	42	<4	19						
R8812309	145.09	146.61	1.52		.00						302	1.6	40	22	45						
R8812310	146.61	147.52	.91		.00						360	2.2	35	28	71						
R8812311	147.52	149.05	1.52		.00						120	1.5	23	14	38						
R8812312	149.05	150.57	1.52		.00						72	1.9	14	10	20						
R8812313	150.57	152.10	1.52		.00						92	1.5	20	16	21						
R8812314	152.10	153.62	1.52		.00						86	1.2	13	10	15						
R8812315	153.62	154.53	.91		.00						140	.8	13	15	18						
R8812316	154.53	156.06	1.52		.00						72	.6	11	9	21						
R8812317	156.06	158.19	2.13		.00						100	.8	14	12	37						
R8812318	158.19	159.41	1.22		.00						112	1.6	42	14	57						
R8812319	159.41	161.09	1.68		.00						120	2.2	78	38	158						
R8812320	161.09	162.46	1.37		.00						56	2.7	46	10	87						
R8812321	162.46	164.29	1.83		.00						60	.9	42	9	266						
R8812322	164.29	165.81	1.52		.00						66	1.6	76	29	35						
R8812323	165.81	167.34	1.52		.00						92	1.4	122	40	58						
R8812324	167.34	168.86	1.52		.00						56	.6	127	27	59						
R8812325	168.86	170.38	1.52		.00						100	1.2	139	54	49						
R8812326	170.38	171.91	1.52		.00						72	1.0	107	44	37						
R8812327	171.91	173.43	1.52		.00						92	1.4	148	69	53						
R8812328	173.43	174.96	1.52		.00						120	1.2	145	62	44						
R8812329	174.96	176.17	1.22		.00						64	1.2	110	53	48						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8812330	176.17	176.48	.31		.00						76	1.1	124	61	59						
R8812331	176.48	178.00	1.52		.00						60	1.3	89	51	59						
R8812332	178.00	178.31	.30		.00						556	42.3	3330	64	790						
R8812333	178.31	179.83	1.52		.00						72	.9	33	18	32						
R8812334	179.83	180.44	.61		.00						412	6.4	272	436	1280						
R8812335	181.05	181.36	.31		.00						1000	9.2	1170	179	471						
R8812336	181.36	182.88	1.52		.00						22	1.0	18	6	33						
R8812337	182.88	184.40	1.52		.00						312	2.8	37	208	51						
R8812338	184.40	185.93	1.52		.00						468	2.6	45	108	26						
R8812339	185.93	187.45	1.52		.00						446	2.0	47	149	29						
R8812340	187.45	188.98	1.52		.00						166	1.5	38	81	13						
R8812250	188.98	190.50	1.52		.00						178	3.1	466	67	154						
R8812251	190.50	191.26	.76		.00						226	5.1	871	80	210						
R8812252	191.26	192.02	.76		.00						190	2.3	173	185	75						
R8812253	192.02	193.09	1.07		.00						502	4.7	286	301	140						
R8812254	193.09	194.31	1.22		.00						362	5.9	932	222	118						
R8812255	194.31	195.07	.76		55.65	.10	1.12	1.21	.10	.13	2240	37.2	9320	1030	1060						
R8812256	195.07	195.99	.91		29.29	.03	.30	.42	.02	2.10	660	12.7	3590	175	>20100						
R8812257	195.99	196.60	.61		49.93	.04	.58	1.04	.02	3.00	1116	21.7	9100	181	>29100						
R8812258	196.60	197.21	.61		156.48	.20	3.11	5.42	.22	.80	5400	96.5	>43100	2350	6600						
R8812259	197.21	197.51	.30		30.33	.05	.53	.87	.02	.07	1382	21.1	7740	314	509						
R8812260	197.51	197.97	.46		28.22	.04	.41	.52	.20	.80	1100	15.9	4490	2040	7330						
R8812261	197.97	198.43	.46		19.09	.01	.06	.07	.22	1.90	420	3.3	562	2220	>19100						
R8812262	198.43	199.80	1.37		.00						40	.6	246	65	132						
R8812263	199.80	200.25	.46		50.20	.06	.58	1.90	.02	.31	1500	23.4	>17800	198	2960						
R8812264	200.25	201.78	1.52		31.05	.03	.23	1.03	.06	.88	820	10.9	10000	570	8320						
R8812265	201.78	202.69	.91		8.95	.01	.24	.11	.28	.60	164	11.0	952	2850	5410						
R8812266	202.69	204.22	1.52		.00						26	1.3	111	51	185						
R8812341	204.22	205.74	1.52		.00						38	.8	15	74	59						
R8812342	205.74	207.26	1.52		.00						46	.8	14	10	55						
R8812343	207.26	208.79	1.52		.00						30	.7	17	20	75						
R8812344	208.79	210.31	1.52		.00						<10	.7	26	9	81						
R8812345	210.31	211.84	1.52		.00						200	.6	20	10	101						
R8812267	211.84	212.45	.61		.00						80	3.7	111	123	101						
R8812268	212.45	213.66	1.22		.00						192	4.9	262	208	283						
R8812269	213.66	214.27	.61	3.81	19.22	.01	.63	.17	.33	1.63	258	26.8	1730	3510	>16900						
R8812270	214.27	214.73	.46	3.81	60.13	.02	1.48	.30	1.27	6.20	484	61.0	2900	>13400	>59200						
R8812271	214.73	215.04	.30	3.81	11.08	.01	.51	.24	.10	.22	320	20.3	2150	955	2010						
R8812272	215.04	215.65	.61	3.81	101.93	.02	3.41	1.15	1.80	10.20	746	>133.0	>10500	>18800	>95800						
R8812273	215.65	216.71	1.07	3.81	257.10	.02	2.92	.76	3.30	34.10	1534	>112.0	7090	>32600	>04000						
R8812274	216.71	217.32	.61	3.81	48.10	.01	1.65	.46	1.65	4.10	300	64.8	4250	>16300	>37300						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8812275	217.32	217.93	.61	3.81	12.43	.01	.19	.08	.29	1.07	226	9.3	700	3260	>10500						
R8812276	217.93	218.54	.61		11.25	.01	.36	.15	.08	.64	228	14.8	1210	842	5460						
R8812277	218.54	219.15	.61		.00						60	2.2	176	95	619						
R8812278	219.15	219.76	.61		.00						52	1.7	138	63	166						
R8812279	219.76	221.13	1.37		.00						24	.9	98	27	117						
R8812280	221.13	221.59	.46		.00						28	.9	183	24	616						
R8812281	221.59	222.66	1.07		.00						40	2.7	589	25	140						
R8812282	222.66	224.18	1.52		.00						28	1.0	259	22	99						
R8812283	224.18	224.94	.76		.00						20	1.3	456	22	90						
R8812284	224.94	226.47	1.52		.00						20	.4	616	16	220						
R8812346	226.47	227.99	1.52		.00						40	.7	770	14	107						
R8812347	227.99	229.51	1.52		.00						68	.6	1250	69	98						
R8812348	229.51	231.19	1.68		.00						94	1.1	844	30	39						
R8812349	231.19	232.87	1.68		.00						44	.6	305	14	472						
R8812350	232.87	233.78	.91		.00						20	.7	1490	9	415						
R8812351	233.78	235.15	1.37		.00						<10	.5	834	10	291						
R8812352	235.15	235.76	.61		.00						34	1.0	455	20	71						
R8812353	235.76	236.22	.46		.00						20	1.4	622	10	235						
R8812354	236.22	237.74	1.52		.00						52	1.4	198	27	77						
R8812355	237.74	239.27	1.52		.00						72	1.3	548	14	550						
R8812356	239.73	240.18	.46		.00						60	1.1	77	28	108						
R8812357	240.49	242.01	1.52		.00						106	7.1	655	16	29						
R8812358	242.01	243.54	1.52		.00						82	6.9	293	28	29						
R8812359	243.54	244.75	1.22		.00						80	3.0	659	21	43						
R8812360	244.75	246.28	1.52		.00						100	1.9	2920	13	46						
R8812361	246.28	248.11	1.83		.00						52	.8	183	25	34						
R8812362	248.11	248.41	.31		.00						156	1.8	266	23	33						
R8812363	248.41	249.63	1.22		.00						102	3.2	453	48	236						
R8812285	249.63	250.24	.61		.00						212	4.6	1410	36	186						
R8812286	250.24	251.00	.76		.00						846	17.9	>16300	59	367						
R8812287	251.00	252.07	1.07		.00						432	7.3	6300	52	503						
R8812288	252.07	252.68	.61		.00						848	8.6	4720	83	251						
R8812289	252.68	253.29	.61		.00						1094	8.1	3880	83	110						
R8812290	253.29	254.20	.91		.00						960	23.3	>14300	72	1160						
R8812291	254.20	254.81	.61		.00						1400	6.4	3450	90	63						
R8812292	254.81	255.12	.30		.00						118	1.2	234	50	35						
R8812293	255.12	255.42	.30		.00						60	.8	65	23	33						
R8812294	255.42	256.18	.76		.00						346	1.3	207	39	41						
R8812295	256.64	257.86	1.22		.00						434	10.1	1200	40	39						
R8812296	257.86	258.77	.91		.00						140	6.0	536	44	26						
R8812297	258.77	260.45	1.68		.00						84	1.1	468	24	18						
R8812364	260.45	261.82	1.37		.00						226	1.3	381	14	16						
R8812365	261.82	262.89	1.07		.00						276	1.5	65	61	55						
R8812366	262.89	263.65	.76		.00						232	4.0	103	106	48						
R8812367	263.65	265.18	1.52		.00						80	2.0	57	36	20						
R8812368	265.18	266.70	1.52		.00						126	1.5	34	25	35						
R8812369	266.70	267.31	.61		.00						80	1.2	40	23	39						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8812370	267.31	268.83	1.52		.00						52	1.2	186	25	75						
R8812371	268.83	270.36	1.52		.00						56	1.0	202	30	92						
R8812372	270.36	271.88	1.52		.00						48	1.2	455	42	138						
R8812373	271.88	273.41	1.52		.00						40	1.1	172	27	74						
R8812374	273.41	274.93	1.52		.00						20	.7	22	7	51						
R8812375	274.93	276.45	1.52		.00						20	.7	23	7	41						
R8812376	276.45	277.98	1.52		.00						24	.8	20	9	55						
R8812377	277.98	279.65	1.68		.00						34	.7	24	8	147						

TCU-88-3

Hole No: TCU-88-3
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 185.0
Dip: -60.0
Length (m): 307.24
Elevation: 111.18
(metres)
Purpose: To test the down dip extension of the 'E' deposit.

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: AUG. 16, 1988
Completed: AUG. 22, 1988
Recovery:

Date Logged: AUG. 17 TO 23, 1988
Logged By: E.A. DEMBICKI
Date Re-logged: JULY 31-AUG. 9,1992
Re-logged By: D.J.HARRISON
Report Printed: 9 Feb, 1993 4:20am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	185.0	-60.0															
3.0	186.0	-61.0	61.0	198.0	-60.0	121.9	198.0	-60.0	182.9	201.0	-58.0	305.4	200.0	-56.0			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	1.23	CASING										
1.23	47.40	BASALT FLOW: Dark green, fine-grained, dominantly fine feldspar porphyritic (plag.) with local zones finely amphibole phyric; magnetic; moderate chlorite alteration is pervasive; very rare fractures and veinlets; lower contact foliated and brecciated. 18.60 19.60 BASALTIC DYKE: Dark green to black, aphanitic; magnetic; upper contact at 50° to core axis; lower contact is irregular.										
47.40	68.18	DACITE LAPILLI TUFF: Moderate to dark greenish grey dacitic lapilli tuff with 20-40% lapilli fragments (some exotic rock fragments; possible debris flow) occasional round grey quartz-eyes (<2mm); colour becomes lighter with depth. 48.20 49.00 BASALTIC DYKE: Dark green to black, aphanitic; contacts brecciated. 51.70 52.90 BASALTIC DYKE: Dark green to black, aphanitic. 59.13 62.00 BASALTIC DYKE: Fine-grained, dark grey-green dyke with aphanitic, chilled, dark green to black contacts.										
68.18	82.30	SLOKO RYHOLITE DYKE: Buff to beige-green coloured aphanitic rhyolite dyke; locally speckled; flow-banding throughout at 0 to 15° to core axis.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
82.30	101.25	BASALT UNDIFFERENTIATED: Dark green, fine-grained, homogeneous flow at top; pervasive moderate chlorite alteration; weak to moderate fracturing; magnetic; lower half of interval is lapilli tuff, carbonate-rich and cut by numerous white fractures and tension gashes. 90.35 90.80 FAULT Multiply brecciated fault zone with angular chloritic wall-rock fragments and carbonate fragments in carbonate/chlorite matrix; bleached wallrock on hanging-wall. 90.80 94.41 SLOKO RYHOLITE DYKE: Strong calcite fracture filled zone along fine tension gashes with local chlorite gouge zones ~5cm wide. 95.92 98.90 SLOKO RYHOLITE DYKE: Buff-beige coloured rhyolitic dyke with ~1% black inclusions; sharp upper contact is broken; lower contact is sharp, faulted and gougy; moderately cut by calcite-filled tension gashes; minor carbonate healed crush zones. 98.90 100.25 Moderately white calcite veinleted; local chlorite gouge zones over 5cm, over lower half of interval.									
101.25	111.60	SLOKO RYHOLITE DYKE: Same as above SRD; lower contact is crushed and weakly gougy; upper contact is sharp and brecciated; upper 2.5m is strongly carbonate fractured along tension fractures; rare flow-banding.										
111.60	167.03	DACITE LAPILLI TUFF: Medium greyish colour with feldspar phyric zones; full range of lapilli-size fragments; rare quartz-eyes; local alignment at 30-50° to core axis; minor quartz-calcite ± chlorite fractures; upper contact is faulted and strongly sericitic over 20cm. 147.45 150.42 SLOKO RYHOLITE DYKE: Light buff to white; very weakly feldspar porphyritic; ~2-5% orange ankeritic weathering on core surface; upper contact is sharp at 40° to core axis; lower contact is indistinct. 150.42 151.36 BASALTIC DYKE: Dark green, fine-grained moderately magnetic dyke; sharp contacts- upper is broken core; lower is at 25° to core axis.	R8812713	165.51	167.03	1.52						
167.03	172.52	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Gradational transition to white banded, cherty lapilli sized fragments within a fine-grained, greenish grey tuffaceous matrix; very silicious (possibly autobrecciated?); lower 2 metres has foliated fabric, strong to intense sericitization (~30° to core axis) and up to 5-10% fine, disseminated pyrite.	R8812714	167.03	168.55	1.52						
			R8812715	168.55	170.08	1.52						
			R8812716	170.08	171.15	1.07						
			R8812717	171.15	171.45	.30						
			R8812718	171.45	172.52	1.07						
			R8812719	172.52	172.67	.15	.11	1.14	2.03	.02	.30	
172.52	196.20	COPPER FACIES: , WITH MASSIVE PYRITE , WITH DISSEMINATED CHALCOPYRITE: Massive, fine-grained pyrite (80-90%) with local patchy and disseminated	ZAG	172.52	194.92	22.40						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		chalcopyrite (~5-25%) with black lenticular horizons of sphalerite (2-10%); bedding in sulphides is generally parallel core axis, varying to 10° to core axis.	R8812720	172.67	173.13	.46	.06	1.36	2.23	.15	.30	
			R8812721	173.13	173.74	.61	.06	1.22	2.83	.16	.84	
			R8812722	173.74	174.35	.61	.08	2.44	2.14	.13	.24	
175.90	177.25	SERICITIC Strong to intense sericite and silica altered (chert); foliated at 30-40° to core axis; minor chlorite; up to 5% disseminated pyrite, 20% greyish quartz.	R8812723	174.35	174.96	.61	.30	1.96	2.75	.11	.17	
			R8812724	174.96	175.57	.61						
			R8812725	175.57	176.17	.61	.09	.78	1.24	.01	.07	
177.25	181.80	Empty space in core box; core missing.	R8812726	176.17	176.78	.61						
			R8812727	176.78	176.94	.15						
			R8812728	176.94	177.39	.46	.01	.68	.76	.70	2.60	
			R8812729	177.39	177.70	.30	.21	4.47	2.35	1.70	7.00	
			R8812730	177.70	178.46	.76	.06	1.74	4.70	.17	1.80	
			R8812731	178.46	178.92	.46	.07	2.40	6.69	.12	1.60	
			R8812732	178.92	179.53	.61	.09	2.23	9.97	.08	.88	
			R8812733	179.53	180.14	.61	.12	3.16	6.78	.11	.58	
			R8812734	180.14	180.90	.76	.14	2.18	6.10	.08	.43	
			R8812735	180.90	181.66	.76	.09	2.34	7.40	.08	.60	
			R8812736	181.66	182.57	.91	.11	2.07	5.32	.02	.40	
			R8812737	182.57	183.03	.46	.08	1.85	5.98	<.01	.43	
			R8812738	183.03	183.79	.76	.08	3.82	3.05	.96	6.20	
			R8812739	183.79	184.40	.61	.09	5.01	3.38	1.65	7.60	
			R8812740	184.40	185.01	.61	.10	2.34	5.60	.37	5.00	
			R8812741	185.01	185.62	.61	.10	1.31	6.14	.08	1.50	
			R8812742	185.62	186.23	.61	.10	1.80	3.95	.21	8.40	
			R8812743	186.23	186.84	.61	.08	1.78	3.82	.16	7.60	
			R8812744	186.84	187.45	.61	.12	2.13	4.83	.19	4.75	
			R8812745	187.45	188.06	.61	.10	1.91	3.77	.16	3.60	
			R8812746	188.06	188.67	.61	.09	1.20	3.11	.11	2.25	
			R8812747	188.67	189.13	.46	.15	1.45	4.36	.08	3.70	
			R8812748	189.13	189.89	.76	.10	1.22	3.94	.09	2.90	
			R8812749	189.89	190.50	.61	.13	1.87	3.96	.33	7.00	
			R8812750	190.50	190.96	.46	.09	1.14	3.21	.11	1.90	
			R8812751	190.96	191.41	.46	.08	1.63	2.76	.21	5.60	
			R8812752	191.41	191.72	.30	.11	2.62	4.80	.37	2.50	
			R8812753	191.72	192.33	.61	.12	1.74	3.82	.11	3.40	
			R8812754	192.33	192.94	.61	.12	1.63	4.62	.14	1.70	
			R8812755	192.94	193.55	.61	.10	1.80	4.90	.18	1.80	
			R8812756	193.55	194.16	.61	.10	2.02	5.24	.21	1.38	
			R8812757	194.16	194.92	.76	.11	1.36	2.51	.10	2.40	
			R8812758	194.92	195.68	.76	.02	.19	.15	.08	3.10	
			R8812759	195.68	195.99	.30						
			R8812760	195.99	196.44	.46						
196.20	258.75	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE										
		Grey to grey green dacite tuff with ash, lapilli, and breccia components; sericite alteration is intense and pervasive; 2-20% disseminated pyrite with local massive intervals up to 1m wide. Interval contains up to 3m of whitish silica matrix supporting pyrite/sericite fragments (cherty tuff/	R8812761	196.44	197.21	.76						
			R8814307	197.21	198.27	1.07						
			R8814308	198.27	199.95	1.68						
			R8814309	199.95	201.47	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		sulphide debris flow) Upper 50cm is ash tuff with 5% pyrite cubes up to 1 cm. Other intervals of 2-3 metres contain whitish silica fragments in sericite/pyrite matrix debris flow material; environment may be proximal to vent system.	R8814310	201.47	203.00	1.52						
			R8814311	203.00	203.61	.61						
			R8814312	203.61	205.13	1.52						
			R8814313	205.13	206.65	1.52						
208.50	214.25	SILICIFIED White cherty (silica) matrix with ~75% pyrite/sericite fragments.	R8814314	206.65	208.18	1.52						
			R8814315	208.18	209.70	1.52						
214.25	215.00,	With MASSIVE PYRITE Massive pyrite, 60%.	R8814316	209.70	211.23	1.52						
215.60	216.60,	With MASSIVE PYRITE Massive pyrite, 60%.	R8814317	211.23	212.75	1.52						
234.85	235.60,	With MASSIVE PYRITE Massive pyrite, 80%.	R8814318	212.75	213.36	.61						
235.60	240.00	CHERT: Greyish cherty fragments in pyrite/sericite matrix.	R8814319	213.36	214.88	1.52						
240.00	256.20,	With DISSEMINATED PYRITE Fine disseminated pyrite, 5-20%, throughout ash tuff.	R8814320	214.88	216.41	1.52						
			R8814321	216.41	217.93	1.52						
256.20	258.50	BASALTIC DYKE: Interval cut by three narrow dark green to black aphanitic basaltic dykes.	R8814322	217.93	219.46	1.52						
			R8814323	219.46	220.68	1.22						
			R8814324	220.68	221.89	1.22						
			R8814325	221.89	223.11	1.22						
			R8814326	223.11	224.64	1.52						
			R8814327	224.64	226.16	1.52						
			R8814328	226.16	227.69	1.52						
			R8814329	227.69	229.21	1.52						
			R8814330	229.21	230.73	1.52						
			R8814331	230.73	232.26	1.52						
			R8814332	232.26	233.78	1.52						
			R8814333	233.78	235.31	1.52						
			R8814334	235.31	236.22	.91						
			R8814335	236.22	237.74	1.52						
			R8814336	237.74	239.27	1.52						
			R8814337	239.27	240.79	1.52						
			R8814338	240.79	242.32	1.52						
			R8814339	242.32	243.84	1.52						
			R8814340	243.84	245.36	1.52						
			R8814341	245.36	246.89	1.52						
			R8814342	246.89	248.41	1.52						
			R8814343	248.41	249.94	1.52						
			R8814344	249.94	251.46	1.52						
			R8814345	251.46	252.98	1.52						
			R8814346	252.98	254.51	1.52						
			R8814347	254.51	256.03	1.52						
			R8814348	256.03	256.79	.76						
			R8814349	256.95	257.40	.46						
			R8814350	257.56	257.86	.30						
			R8814351	258.47	259.99	1.52						
258.75	271.25	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Light greyish to whitish cherty exhalite; white cherty fragments in light grey silicified DLT (DAT?); ~5-7% pyrite increasing from 2% at top to 7-10% at bottom; lower contact is gradational; pyrite is finely	R8814352	259.99	261.52	1.52						
			R8814353	261.52	263.04	1.52						
			R8814354	263.04	263.80	.76						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		disseminated or more commonly as irregular veins and veinlets, or disseminated in siliceous matrix.	R8814355	264.87	266.39	1.52						
			R8814356	266.39	267.31	.92						
			R8814357	267.31	268.83	1.52						
			R8814358	268.83	270.36	1.52						
			R8814359	270.36	271.88	1.52						
271.25	276.45	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Intermixed cream-coloured, sericitic, ankeritic/dolomitic? whispy and swirled matrix and fragments in light to medium grey, moderate sericitized siliceous basalt(?) lapilli tuff (locally ash tuff), with ~2-5% chert fragments; 5-15% disseminated pyrite, increasing in abundance downwards. Lower contact is indistinct due to broken core; appears rapidly gradational.	R8814360	271.88	273.41	1.52						
			R8814361	273.41	274.93	1.52						
			R8814362	274.93	276.45	1.52						
276.45	299.00	BASALT LAPILLI TUFF: , WITH DISSEMINATED PYRITE Similar to above interval however there are only zones of cream-coloured sericitic altered and possibly ankeritic fragments; dominantly basalt lapilli tuff and locally ash tuff; ~2% chert fragments; ~10-15% disseminated pyrite, increasing downwards, intermixed with sericitic, dacitic ash matrix; lower contact is radiply gradational.	R8814363	276.45	277.98	1.52						
			R8814364	277.98	279.50	1.52						
			R8814365	279.50	281.03	1.52						
			R8814366	281.03	282.55	1.52						
			R8814367	282.55	284.07	1.52						
			R8814368	284.07	285.60	1.52						
			R8814369	285.60	287.12	1.52						
			R8814370	287.12	288.65	1.52						
			R8814371	288.65	290.17	1.52						
			R8814372	290.17	291.69	1.52						
			R8814373	291.69	293.22	1.52						
			R8814374	293.22	294.74	1.52						
			R8814375	294.74	296.27	1.52						
			R8814376	296.27	297.79	1.52						
			R8814377	297.79	299.31	1.52						
299.00	307.24	BASALT LAPILLI TUFF: BIOTITIC , WITH DISSEMINATED PYRITE Medium to dark brownish, moderate biotite and weakly sericite? altered basalt lapilli tuff; ~10-15% very fine to coarse disseminated pyrite; locally abundant rounded quartz grains (or quartz-filled vesicles); ~5-7% rounded cordierite porphyroblasts from 1-3mm dia., throughout; lapilli fragmental texture is vague to distinct.	R8814378	299.31	300.84	1.52						
			R8814379	300.84	302.36	1.52						
			R8814380	302.36	303.89	1.52						
			R8814381	303.89	305.41	1.52						
			R8814382	305.41	307.24	1.83						
307.24		EOH										

Hole No: TCU-88-3
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
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(metres) E: 10763.50

Azimuth: 185.0
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Core Size: BQ
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Started: AUG. 16, 1988
Completed: AUG. 22, 1988
Recovery:

Purpose: To test the down dip extension of the 'E' deposit.

Date Logged: AUG. 17 TO 23, 1988
Logged By: E.A. DEMBICKI
Date Re-logged: JULY 31-AUG. 9,1992
Re-logged By: D.J.HARRISON
Report Printed: 19 Feb, 1993 10:01pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8812713	165.51	167.03	1.52		.00						<10	.5	314	17	161						
R8812714	167.03	168.55	1.52		.00						26	1.1	184	53	461						
R8812715	168.55	170.08	1.52		.00						268	11.2	1310	1840	7640						
R8812716	170.08	171.15	1.07		.00						360	12.2	1527	1580	>10540						
R8812717	171.15	171.45	.30		.00						60	1.1	141	76	488						
R8812718	171.45	172.52	1.07		.00						192	2.7	930	66	196						
R8812719	172.52	172.67	.15	3.81	67.54	.10	1.02	2.03	.02	.30	2390	41.9	>20530	200	3140						
R8812720	172.67	173.13	.46	4.54	53.61	.05	1.22	2.23	.15	.30	956	45.7	>22000	1730	3210						
R8812721	173.13	173.74	.61	4.54	63.86	.05	1.09	2.83	.16	.84	1840	49.8	>32000	1840	9660						
R8812722	173.74	174.35	.61	4.54	62.67	.07	2.18	2.14	.13	.24	6380	80.5	>24400	1620	2670						
R8812723	174.35	174.96	.61	4.54	141.70	.27	1.75	2.75	.11	.17	3550	71.9	>30300	1180	1830						
R8812724	174.96	175.57	.61	3.81	.00						876	13.2	3470	316	326						
R8812725	175.57	176.17	.61	3.81	48.04	.08	.70	1.24	.01	.07	2000	31.1	>11610	212	673						
R8812726	176.17	176.78	.61	3.81	.00						392	12.1	2890	158	518						
R8812727	176.78	176.94	.15	3.81	.00						460	15.9	5850	191	451						
R8812728	176.94	177.39	.46	3.81	35.27	.01	.60	.76	.70	2.60	500	26.8	7960	7130	>28700						
R8812729	177.39	177.70	.30	4.06	161.10	.18	3.99	2.35	1.70	7.00	6560	>147.0	>23900	>19200	>70800						
R8812730	177.70	178.46	.76	4.06	95.56	.05	1.56	4.70	.17	1.80	1580	66.8	>49000	1860	>18000						
R8812731	178.46	178.92	.46	4.06	122.96	.06	2.14	6.69	.12	1.60	1660	97.9	>77300	1440	>18300						
R8812732	178.92	179.53	.61	4.06	165.30	.08	2.00	9.97	.08	.88	2080	87.6	>09000	951	9710						
R8812733	179.53	180.14	.61	4.06	135.81	.10	2.82	6.78	.11	.58	2660	>123.0	>77100	1300	6060						
R8812734	180.14	180.90	.76	4.06	132.65	.13	1.95	6.10	.08	.43	3600	86.6	>67500	845	4460						
R8812735	180.90	181.66	.76	4.06	131.66	.08	2.09	7.40	.08	.60	2800	91.7	>81100	757	6160						
R8812736	181.66	182.57	.91	4.62	110.27	.10	1.85	5.32	.02	.40	2860	80.2	>58200	287	4180						
R8812737	182.57	183.03	.46	4.62	109.56	.07	1.65	5.98	<.01	.43	2720	67.0	>66100	58	4180						
R8812738	183.03	183.79	.76	4.62	118.60	.07	3.41	3.05	.96	6.20	2380	>148.0	>33300	9250	>64300						
R8812739	183.79	184.40	.61	4.62	141.48	.08	4.48	3.38	1.65	7.60	2620	>173.0	>37300	>18700	>83400						
R8812740	184.40	185.01	.61	4.62	142.79	.09	2.09	5.60	.37	5.00	2520	84.6	>60500	3920	>51900						
R8812741	.185.01	185.62	.61	4.62	122.60	.09	1.17	6.14	.08	1.50	2400	49.3	>67400	834	>15900						
R8812742	185.62	186.23	.61	4.62	141.70	.09	1.61	3.95	.21	8.40	2620	67.2	>39800	2550	>87500						
R8812743	186.23	186.84	.61	4.62	129.16	.07	1.59	3.82	.16	7.60	2080	65.4	>41300	1740	>80500						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8812744	186.84	187.45	.61	4.62	137.35	.11	1.90	4.83	.19	4.75	2920	74.9	>48900	2000	>47200						
R8812745	187.45	188.06	.61	4.62	110.12	.09	1.70	3.77	.16	3.60	1970	67.5	>38500	1700	>36600						
R8812746	188.06	188.67	.61	4.62	86.07	.08	1.07	3.11	.11	2.25	2440	41.0	>31800	1009	>24600						
R8812747	188.67	189.13	.46	4.62	133.38	.14	1.29	4.36	.08	3.70	3800	40.3	>31800	1007	>23700						
R8812748	189.13	189.89	.76	4.62	105.62	.09	1.09	3.94	.09	2.90	2520	41.9	>41100	833	>30000						
R8812749	189.89	190.50	.61	4.62	145.30	.12	1.67	3.96	.33	7.00	3000	68.4	>40000	3410	>69900						
R8812750	190.50	190.96	.46	4.62	87.01	.08	1.02	3.21	.11	1.90	2200	38.9	>31300	906	>20000						
R8812751	190.96	191.41	.46	4.62	100.86	.07	1.46	2.76	.21	5.60	1740	54.8	>26200	1730	>51100						
R8812752	191.41	191.72	.30	4.62	121.48	.10	2.34	4.80	.37	2.50	2200	91.9	>50800	3640	>26200						
R8812753	191.72	192.33	.61	4.62	114.86	.11	1.56	3.82	.11	3.40	2400	62.9	>42000	1130	>38600						
R8812754	192.33	192.94	.61	4.62	112.16	.10	1.46	4.62	.14	1.70	2600	61.8	>51300	1460	>18700						
R8812755	192.94	193.55	.61	4.62	110.24	.09	1.61	4.90	.18	1.80	2020	64.9	>51800	1940	>19600						
R8812756	193.55	194.16	.61	4.62	113.96	.09	1.80	5.24	.21	1.38	1812	72.7	>56000	2260	>14200						
R8812757	194.16	194.92	.76	4.62	86.63	.10	1.22	2.51	.10	2.40	2240	47.8	>25200	994	>25100						
R8812758	194.92	195.68	.76		30.05	.02	.17	.15	.08	3.10	460	8.1	1266	923	>31800						
R8812759	195.68	195.99	.30		.00						252	4.8	366	192	2450						
R8812760	195.99	196.44	.46		.00						820	8.6	348	252	483						
R8812761	196.44	197.21	.76		.00						86	1.0	162	30	139						
R8814307	197.21	198.27	1.07		.00						1020	9.0	688	1890	>29200						
R8814308	198.27	199.95	1.68		.00						192	9.8	1140	200	>20600						
R8814309	199.95	201.47	1.52		.00						76	1.0	811	48	899						
R8814310	201.47	203.00	1.52		.00						60	<.4	290	16	110						
R8814311	203.00	203.61	.61		.00						152	1.5	853	33	99						
R8814312	203.61	205.13	1.52		.00						100	1.0	141	29	67						
R8814313	205.13	206.65	1.52		.00						64	<.4	58	12	59						
R8814314	206.65	208.18	1.52		.00						336	5.1	717	71	103						
R8814315	208.18	209.70	1.52		.00						60	.7	84	14	62						
R8814316	209.70	211.23	1.52		.00						144	7.6	255	27	108						
R8814317	211.23	212.75	1.52		.00						120	4.5	105	22	71						
R8814318	212.75	213.36	.61		.00						124	7.2	214	25	94						
R8814319	213.36	214.88	1.52		.00						340	16.7	843	85	273						
R8814320	214.88	216.41	1.52		.00						362	14.6	412	69	596						
R8814321	216.41	217.93	1.52		.00						226	13.3	315	67	793						
R8814322	217.93	219.46	1.52		.00						80	1.0	36	49	278						
R8814323	219.46	220.68	1.22		.00						100	1.9	112	51	450						
R8814324	220.68	221.89	1.22		.00						84	2.6	495	21	600						
R8814325	221.89	223.11	1.22		.00						186	5.8	1018	62	385						
R8814326	223.11	224.64	1.52		.00						140	2.6	417	39	515						
R8814327	224.64	226.16	1.52		.00						152	1.1	92	21	343						
R8814328	226.16	227.69	1.52		.00						400	3.0	125	84	1160						
R8814329	227.69	229.21	1.52		.00						180	1.2	139	65	1190						
R8814330	229.21	230.73	1.52		.00						166	2.6	708	58	1630						
R8814331	230.73	232.26	1.52		.00						60	.4	381	14	139						
R8814332	232.26	233.78	1.52		.00						120	2.2	2530	26	938						
R8814333	233.78	235.31	1.52		.00						42	<.4	260	12	243						
R8814334	235.31	236.22	.91		.00						112	1.5	682	30	1460						
R8814335	236.22	237.74	1.52		.00						124	4.8	2860	38	435						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8814336	237.74	239.27	1.52		.00						48	<.4	120	14	40						
R8814337	239.27	240.79	1.52		.00						60	1.2	444	9	74						
R8814338	240.79	242.32	1.52		.00						44	<.4	172	5	46						
R8814339	242.32	243.84	1.52		.00						44	1.0	158	7	45						
R8814340	243.84	245.36	1.52		.00						52	<.4	24	12	19						
R8814341	245.36	246.89	1.52		.00						42	<.4	28	23	15						
R8814342	246.89	248.41	1.52		.00						24	<.4	19	6	7						
R8814343	248.41	249.94	1.52		.00						<10	<.4	18	8	7						
R8814344	249.94	251.46	1.52		.00						240	3.8	231	22	43						
R8814345	251.46	252.98	1.52		.00						1274	2.5	200	45	36						
R8814346	252.98	254.51	1.52		.00						520	1.6	75	39	25						
R8814347	254.51	256.03	1.52		.00						602	1.3	65	28	22						
R8814348	256.03	256.79	.76		.00						92	.7	66	14	27						
R8814349	256.95	257.40	.46		.00						96	.9	63	14	39						
R8814350	257.56	257.86	.30		.00						62	.6	66	1[illegible]	25						
R8814351	258.47	259.99	1.52		.00						86	.7	30	46	59						
R8814352	259.99	261.52	1.52		.00						80	.6	24	63	47						
R8814353	261.52	263.04	1.52		.00						220	2.0	183	166	780						
R8814354	263.04	263.80	.76		.00						272	1.7	31	15	151						
R8814355	264.87	266.39	1.52		.00						172	1.7	18	34	106						
R8814356	266.39	267.31	.92		.00						274	1.4	21	61	266						
R8814357	267.31	268.83	1.52		.00						240	1.7	19	47	437						
R8814358	268.83	270.36	1.52		.00						192	2.0	29	57	70						
R8814359	270.36	271.88	1.52		.00						262	1.6	36	135	294						
R8814360	271.88	273.41	1.52		.00						182	2.0	35	192	791						
R8814361	273.41	274.93	1.52		.00						120	1.2	19	43	80						
R8814362	274.93	276.45	1.52		.00						152	1.3	16	35	34						
R8814363	276.45	277.98	1.52		.00						100	1.2	10	25	102						
R8814364	277.98	279.50	1.52		.00						160	2.1	20	30	45						
R8814365	279.50	281.03	1.52		.00						96	1.0	16	39	83						
R8814366	281.03	282.55	1.52		.00						68	.7	15	36	25						
R8814367	282.55	284.07	1.52		.00						68	.6	17	51	17						
R8814368	284.07	285.60	1.52		.00						120	.4	18	40	82						
R8814369	285.60	287.12	1.52		.00						108	.8	19	70	312						
R8814370	287.12	288.65	1.52		.00						64	<.4	14	24	42						
R8814371	288.65	290.17	1.52		.00						60	<.4	19	30	62						
R8814372	290.17	291.69	1.52		.00						80	<.4	26	56	469						
R8814373	291.69	293.22	1.52		.00						100	<.4	13	30	32						
R8814374	293.22	294.74	1.52		.00						76	<.4	11	19	35						
R8814375	294.74	296.27	1.52		.00						100	.8	22	36	56						
R8814376	296.27	297.79	1.52		.00						64	1.0	19	27	37						
R8814377	297.79	299.31	1.52		.00						92	.4	20	31	143						
R8814378	299.31	300.84	1.52		.00						132	<.4	37	12	51						
R8814379	300.84	302.36	1.52		.00						260	.5	20	25	18						
R8814380	302.36	303.89	1.52		.00						204	<.4	20	17	22						
R8814381	303.89	305.41	1.52		.00						200	.8	18	17	35						
R8814382	305.41	307.24	1.83		.00						224	1.0	24	15	29						

Hole No: TCU-88-4
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 157.5
Dip: -35.0
Length (m): 213.66
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: AUG. 23, 1988
Completed: SEPTEMBER 1, 1988
Recovery:

Date Logged: AUG. 27 to SEPT. 2, 1988
Logged By: A.M. PAUWELS
Date Re-logged: AUGUST 2, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:20am

Purpose: To test G horizon between 5000-5100 mine elevation. To intersect the mineral horizon 200 to 300' above hole 87-5.

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	157.5	-35.0															
51.8		-33.5	121.9	157.0	-31.0	183.5	159.0	-28.0	213.4	160.0	-26.5						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	1.22	CASING										
1.22	28.50	BASALT UNDIFFERENTIATED: Dark green, fine-grained locally feldspar phyric (up to 20%); generally homogeneous throughout; local concentrations of amphibole phenocrysts (<2mm) replaced by chlorite.										
28.50	50.50	DACITE FLOW BRECCIA: Medium grey to pale green-grey, feldspar phyric dacite flow breccia with probable lapilli tuff intervals; definite to vague fragmental textures and mottled alteration pattern; composition possibly rhyodacitic to rhyolitic. 38.50 40.00 BASALTIC DYKE: Fine-grained to aphanitic, dark green, sharp contacts. 40.00 44.80 SLOKO RYHOLITE DYKE: Beige, fine-grained to aphanitic flow banded felsic dyke.										
50.50	65.40	DACITE FLOW: Aphanitic to fine-grained white feldspar phyric dacitic flow, similar to above interval, without distinct fragmental textures; has similar green grey to buff white mottled alteration as above ; occasional fine quartz-eyes(?). 57.65 63.40 BASALTIC DYKE: Fine-grained, dark green; sharp, chilled contacts; magnetic.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
65.40	109.35	DACITE LAPILLI TUFF: Medium grey to dark grey green dacite to andesitic lapilli tuff; upper portion is white feldspar phyric, becoming less abundant to non-existant in middle portion, then more abundant from 91 metres and downwards; some fragments are pinkish-grey, rounded rhyolite with distinct flow-banding; last 20 metres is mottled due to alteration, locally bleached pale greenish, cut by locally abundant chlorite fractures; trace pyrite throughout. 69.65 71.32 BASALTIC DYKE: Dark green, fine-grained, magnetic, sharp contacts. 80.15 83.65 BASALTIC DYKE: Fine-grained, dark green, magnetic dyke, sharp contacts.	R8816172	81.99	83.51	1.52						
			R8816173	83.51	85.04	1.52						
			R8816174	85.04	86.56	1.52						
			R8816175	86.56	88.09	1.52						
			R8816176	88.09	89.61	1.52						
			R8816177	89.61	91.14	1.52						
			R8816178	91.14	92.66	1.52						
			R8816179	92.66	94.18	1.52						
			R8816180	94.18	95.71	1.52						
			R8816181	95.71	97.23	1.52						
			R8816182	97.23	98.75	1.52						
			R8816183	98.75	100.28	1.52						
			R8816184	100.28	101.80	1.52						
			R8816185	101.80	103.33	1.52						
			R8816186	103.33	104.85	1.52						
			R8816187	104.85	106.38	1.52						
			R8816188	106.38	107.90	1.52						
			R8816189	107.90	109.27	1.37						
109.35	119.80	BASALTIC DYKE: Fine-grained, dark green, magnetic dyke with sharp contacts.										
119.80	121.30	BASALTIC DYKE: Fine-grained, dark green, magnetic dyke with sharp contacts; lower contact brecciated and sheared @ 60° to core axis.										
121.30	156.50	DACITE LAPILLI TUFF: Medium grey colour with variable beige to pale green alteration mottling; fragments generally distinct to vague, some are breccia-sized (5%), locally feldspar phyric; from 144 metres to end of interval, strong chlorite-quartz fracturing with local breccia veining. 124.20 125.60 FAULT White, bleached, clay (kaolinite) altered zone with buff-yellow carbonate weathering; locally milled and brecciated. 149.35 156.65 SILICIFIED Dark greenish, moderate silicified, weak albite-chlorite veinleted as if very near andesite dyke. (no dyke in core, however it may be within a few metres of the hole.).	R8816190	150.57	152.10	1.52						
			R8816191	152.10	153.62	1.52						
			R8816192	153.62	155.14	1.52						
			R8816193	155.14	156.67	1.52						
156.50	166.40	EXHALITIC TUFF: SERICITIC , WITH BANDED PYRITE Olive grey-green, sericite altered, chaotic fragmental with strong foliation at variale angles to core axis; up to 25% disseminated to banded pyrite increasing downwards; (massive band or fragment at 158.5 to 158.8 m). 163.55 164.00 SERICITIC Intense sericite alteration.	R8816194	156.67	158.19	1.52						
			R8816195	158.19	159.71	1.52						
			R8816196	159.71	161.24	1.52						
			R8816197	161.24	162.76	1.52						
			R8816198	162.76	164.38	1.62						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		164.74 164.75 Axial plane of minor fold at 30-35° to core axis.	R8816199	164.38	164.90	.52						
		165.70 166.40 CHERT: White chert horizon; chert breccia, minor tuffaceous inclusions; weakly chlorite fractured.	R8816200	164.90	166.02	1.13	.02	1.42	.37	.12	1.10	
			Z32	164.90	166.73	1.83						
			Z32	164.90	166.73	1.83						
			R8816201	166.02	166.73	.70	.00	.05	.02	.02	.05	
166.40	168.50	ZINC FACIES: SERICITIC , WITH BANDED SPHALERITE										
		Intense sericite altered tuff with up to 25-30% pyrite, with up to 10-15% sphalerite (black-jack); weakly banded along foliation at 60° to core angle; occasional chert fragments; trace chalcopyrite in veinlets.	R8816202	166.73	167.64	.91	.07	2.84	.85	.77	3.30	
			ZAH	166.73	174.35	7.62						
			R8816203	167.64	168.46	.82	.08	3.05	1.21	.84	8.60	
			R8816204	168.46	169.93	1.46	.00	.10	.02	.05	.14	
168.50	169.65	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE										
		Intense sericite altered exhalitic ash tuff; grey-green colour, locally white where no pyrite;; 5-10% pyrite throughout.										
169.65	173.22	ZINC FACIES: SERICITIC , WITH MASSIVE PYRITE										
		Massive pyritic zone in intense sericitized tuff, from 20-50% pyrite; ~5% black-jack sphalerite; locally banded; occasional rounded chert boudinage fragments.	R8816205	169.93	171.45	1.52	.08	3.16	.71	1.17	6.00	
			R8816206	171.45	173.22	1.77	.10	2.78	.82	.49	2.10	
			R8816207	173.22	173.68	.46	.02	.65	.23	.27	1.70	
173.22	184.25	EXHALITIC TUFF: CHERT: , WITH DISSEMINATED PYRITE										
		Foliated tuff with 10-20% white lenticular cherty fragments; locally strong chloritic fractures (<1 mm wide); 5-8% disseminated pyrite throughout; Upper 50 cm dominantly cherty tuff.	R8816208	173.68	174.35	.67	.06	1.20	.36	.25	2.50	
		174.35 177.55 BASALTIC TUFF: Dark greenish basaltic to andesitic tuff with minor quartz inclusions (quartz- filled vesicles?).	R8816209	174.35	174.96	.61						
			R8816210	174.96	176.17	1.22						
			R8816211	176.17	177.09	.92						
		177.55 177.70 FAULT Fault; clay-gouge zone.	R8816212	177.09	178.61	1.52						
			R8816213	178.61	180.14	1.52						
		181.00 182.65 BASALTIC TUFF: Same as interval 174.35 to 177.55 m.	R8816214	180.14	181.05	.91						
			R8816215	182.67	184.25	1.58						
184.25	188.52	BASALT UNDIFFERENTIATED:										
		Dark green, locally feldspar porphyritic, with minor quartz veinlets and inclusions; weakly magnetic.	R8816216	188.52	189.43	.91						
188.52	213.66	BASALT LAPILLI TUFF: CHLORITIC , WITH DISSEMINATED PYRITE										
		Dark brownish feldspar phyric, weakly silicified basaltic to andesitic fragmental, with ~2-5% whitish chert clasts, possible quartz-filled amygdules, minor quartz eyes; 2-3% disseminated pyrite; trace chalcopyrite; moderate to strong chlorite alteration.	R8816217	189.43	190.80	1.37						
			R8816218	190.80	192.02	1.22						
			R8816219	192.02	193.55	1.52						
			R8816220	193.55	195.07	1.52						
			R8816221	195.07	196.60	1.52						
			R8816222	196.60	198.12	1.52						
			R8816223	198.12	199.64	1.52						
			R8816224	199.64	201.17	1.52						
213.66		EOH										

Hole No: TCU-88-4
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 157.5
Dip: -35.0
Length (m): 213.66
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: AUG. 23, 1988
Completed: SEPTEMBER 1, 1988
Recovery:

Date Logged: AUG. 27 to SEPT. 2, 1988
Logged By: A.M. PAUWELS
Date Re-logged: AUGUST 2, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:01pm

Purpose: To test G horizon between 5000-5100 mine elevation. To intersect the mineral horizon 200 to 300' above hole 87-5.

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8816172	81.99	83.51	1.52		.00						<10	<.4	49	13	102						
R8816173	83.51	85.04	1.52		.00						<10	<.4	18	<4	68						
R8816174	85.04	86.56	1.52		.00						<10	.6	28	7	68						
R8816175	86.56	88.09	1.52		.00						<10	<.4	32	4	60						
R8816176	88.09	89.61	1.52		.00						<10	<.4	23	4	60						
R8816177	89.61	91.14	1.52		.00						<10	<.4	31	11	78						
R8816178	91.14	92.66	1.52		.00						<10	<.4	16	4	67						
R8816179	92.66	94.18	1.52		.00						<10	<.4	16	9	61						
R8816180	94.18	95.71	1.52		.00						<10	<.4	24	9	57						
R8816181	95.71	97.23	1.52		.00						<10	<.4	21	32	49						
R8816182	97.23	98.75	1.52		.00						<10	<.4	15	6	57						
R8816183	98.75	100.28	1.52		.00						<10	<.4	41	25	84						
R8816184	100.28	101.80	1.52		.00						<10	.4	13	13	56						
R8816185	101.80	103.33	1.52		.00						<10	.4	14	6	52						
R8816186	103.33	104.85	1.52		.00						<10	<.4	35	25	59						
R8816187	104.85	106.38	1.52		.00						<10	<.4	40	13	64						
R8816188	106.38	107.90	1.52		.00						<10	<.4	10	9	86						
R8816189	107.90	109.27	1.37		.00						<10	<.4	22	16	76						
R8816190	150.57	152.10	1.52		.00						<10	<.4	14	9	82						
R8816191	152.10	153.62	1.52		.00						<10	<.4	10	31	83						
R8816192	153.62	155.14	1.52		.00						<10	<.4	16	20	88						
R8816193	155.14	156.67	1.52		.00						20	.5	133	61	657						
R8816194	156.67	158.19	1.52		.00						212	4.9	1005	634	5150						
R8816195	158.19	159.71	1.52		.00						420	16.3	1590	2630	9720						
R8816196	159.71	161.24	1.52		.00						320	15.7	1590	2600	9410						
R8816197	161.24	162.76	1.52		.00						212	7.8	805	478	3420						
R8816198	162.76	164.38	1.62		.00						158	8.8	813	153	1880						
R8816199	164.38	164.90	.52		.00						276	5.2	605	45	1160						
R8816200	164.90	166.02	1.13		21.63	.02	1.26	.37	.12	1.10	372	40.7	3890	1038	>12400						
R8816201	166.02	166.73	.70		.78	.00	.05	.02	.02	.05	42	2.1	115	176	480						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8816202	166.73	167.64	.91	3.39	66.07	.06	2.53	.85	.77	3.30	2600	79.5	8160	7130	>31800						
R8816203	167.64	168.46	.82	3.39	107.79	.07	2.72	1.21	.84	8.60	1820	89.7	>12300	7890	>90700						
R8816204	168.46	169.93	1.46	3.39	2.93	.00	.09	.02	.05	.14	100	3.4	171	396	1480						
R8816205	169.93	171.45	1.52	3.39	88.26	.08	2.82	.71	1.17	6.00	2160	97.2	7050	>10780	>62300						
R8816206	171.45	173.22	1.77	3.39	65.78	.09	2.48	.82	.49	2.10	1908	81.5	8060	4620	>20200						
R8816207	173.22	173.68	.46	3.39	21.57	.01	.58	.23	.27	1.70	364	19.5	2250	2420	>18200						
R8816208	173.68	174.35	.67	3.39	46.24	.06	1.07	.36	.25	2.50	1592	38.6	3550	2340	>24100						
R8816209	174.35	174.96	.61		.00						120	4.0	705	108	595						
R8816210	174.96	176.17	1.22		.00						60	1.1	163	60	417						
R8816211	176.17	177.09	.92		.00						24	<.4	82	79	248						
R8816212	177.09	178.61	1.52		.00						<10	.8	77	30	107						
R8816213	178.61	180.14	1.52		.00						38	<.4	46	35	145						
R8816214	180.14	181.05	.91		.00						58	.5	56	30	151						
R8816215	182.67	184.25	1.58		.00						144	.5	50	20	123						
R8816216	188.52	189.43	.91		.00						20	<.4	24	9	143						
R8816217	189.43	190.80	1.37		.00						64	.4	48	13	137						
R8816218	190.80	192.02	1.22		.00						<10	<.4	17	8	87						
R8816219	192.02	193.55	1.52		.00						<10	<.4	17	6	73						
R8816220	193.55	195.07	1.52		.00						<10	<.4	26	6	93						
R8816221	195.07	196.60	1.52		.00						<10	<.4	19	<4	101						
R8816222	196.60	198.12	1.52		.00						<10	<.4	25	<4	85						
R8816223	198.12	199.64	1.52		.00						<10	<.4	61	<4	82						
R8816224	199.64	201.17	1.52		.00						<10	<.4	19	<4	81						

TCU-88-5

Hole No: TCU-88-5
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 157.5
Dip: -64.0
Length (m): 290.80
Elevation: 111.18 (metres)
Purpose: To test G horizon at 4900 mine elevation. To intersect the mineral horizon 200 to 300' below Hole 87-5.

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 2, 1988
Completed: SEPT. 6, 1988
Recovery:

Date Logged: SEPT. 3-6, 1988
Logged By: A.M.PAUWELS
Date Re-logged: August 1-2, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:20am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	157.5	-64.0												
77.1	160.0	-60.0	182.9	169.0	-56.0	228.6	170.0	-56.0	289.6	172.0	-58.0			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	1.22	CASING										
1.22	38.60	BASALT UNDIFFERENTIATED: Dark green, fine-grained, locally feldspar phyric, pervasive moderate chlorite alteration, moderately magnetic, homogeneous throughout; rare chlorite and/or quartz fractures; possible cross-cutting andesitic dykes of similar composition. Good recovery (~ 95 - 100%).										
38.60	194.60	DACITE FLOW BRECCIA: Medium-grey to local mottling of light grey to buff grey-green, dominantly feldspar phyric dacite flow, grading in and out of fragmental flow breccias and lapilli tuffs with rare quartz and hematitic fragments; entire interval cut by chlorite-epidote fractures and veinlets of variable intensity (very weak to moderate) with zonation of quartz and feldspar alteration into wall rock. Occasional cross-cutting basaltic andesite dykes and rhyolite dykes.	R8816225	59.59	60.65	1.07						
		50.90 51.75 BASALTIC DYKE: Dark green aphanitic, magnetic dyke, sharp contacts.										
		56.63 57.70 BASALTIC DYKE: Dark green aphanitic, magnetic dyke, sharp contacts.										
		64.55 67.35 BASALTIC DYKE: Dark green aphanitic, magnetic dyke, sharp contacts.										
		67.35 68.67 SLOKO RYHOLITE DYKE: Beige olive green, speckled, aphanitic with contact flow banding.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		108.05 108.60 BASALTIC DYKE: Dark green aphanitic, magnetic dyke, sharp contacts.										
194.60	201.78	DACITE FLOW: Dark greyish dacite feldspar porphyry flow with ~5-20% white anhedral to subhedral phenocysts from 0.5-2mm; weakly cut by chlorite and/or quartz veinlets with minor albitic flooding; dark grey groundmass gradually becomes slightly lighter in colour downwards to medium to dark grey. 197.82 198.91 FAULT Bleached white clay altered fault zone with 5% dark green chloritic breccia fragments, especially on contacts, which are sheared and brecciated.										
201.78	211.68	DACITE LAPILLI TUFF: Medium greyish, fine lapilli tuff, weakly chlorite altered, non-feldspar phyric; minor white cherty sections over ~20-30cm; ~2-5% chert fragments over lower 1 metre. 206.35 210.30 DACITE ASH TUFF: Gradational change downward from dacite lapilli tuff to fine-grained, homogeneous, moderate greenish-grey dacitic ash tuff with rare quartz-eyes (?) - lower contact is gradational (appears dyke-like, but contacts are vague).	R8816226 R8816227 R8816228 R8816229 ZAI R8816230	204.52 206.44 207.87 209.40 210.46 210.46	206.44 207.87 209.40 210.46 214.73 211.68	1.92 1.43 1.52 1.07 4.27 1.22						
211.68	214.73	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE Fragmental sulphide horizon with intermixed exhalitic, pyritic, sericitized tuff with ~2-5% chert fragments; total sulphides vary from 5% to 60% (average ~20%), with 5-10% disseminated to locally massive sphalerite; 5-50% disseminated to massive pyrite; trace to ~2% disseminated chalcopyrite.	R8816231 R8816232 R8816233	211.68 212.66 213.36	212.66 213.36 214.73	.97 .70 1.37	.07 .03 .05	4.03 1.91 2.89	.81 .22 1.01	.96 .46 .80	5.50 1.40 4.40	
214.73	219.15	DACITE FLOW: Medium greyish, weakly white feldspar porphyritic flow; possibly silicified; weakly cut by chlorite veinlets and/or quartz veins; trace to 2% pyrite; no base metal sulphides observed.	Z36 Z36 R8816234 R8816235 R8816236 R8816237	214.73 214.73 214.73 216.10 217.63 218.54	219.15 219.15 216.10 217.63 218.54 219.15	4.42 4.42 1.37 1.52 .92 .61						
219.15	221.45	ZINC FACIES: , WITH DISSEMINATED SPHALERITE Interval consists of two pyrite - sphalerite rich zones separated by 0.7 metres of chert exhalite. See sub-intervals below for detail. 219.15 219.90, With BANDED SPHALERITE Fragmental sulphides at top of interval, becoming disseminated and weakly banded within exhalitic ash tuff downwards; up to 60-75% total sulphide (~10-15% sphalerite, 40-60% pyrite); ~2-3% white barite(?) fragments; trace chalcopyrite. 219.90 220.60 EXHALITIC TUFF: Grey chert and silicified dacitic ash tuff cut by chlorite and minor pyrite veinlets (~2% pyrite).	ZAJ R8816238 R8816239 R8816240	219.15 219.15 219.91 220.37	226.53 219.91 220.37 221.44	7.38 .76 .46 1.07	 .05 .02 .07	 .76 .47 1.63	 .78 .45 1.14	 .86 .10 .74	 5.40 1.10 8.80	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		220.60 221.45, With MASSIVE PYRITE Massive pyrite (20-40%) with intermixed, disseminated, brownish to black sphalerite (15-20%) and local chalcopyrite (trace-2%); rare white chert fragments, and trace galena.										
225.60	226.50	ZINC FACIES: , WITH BANDED SPHALERITE Massive sulphide zone of intermixed pyrite (30-40%) and dark greyish-black sphalerite (~20%), with local net texture or veinleted chalcopyrite (~3-5%); sulphide banding of pyrite and sphalerite at bottom of interval is at 45° to 50° to core axis.	R8816241 R8816242 R8816243 R8816244	222.96 223.57 225.10 225.55	223.57 225.10 22[illegible] 226.53	.61 1.52 .46 .97	.03 .00 .00 .06	.65 .09 .12 2.62	1.27 .12 .09 1.67	.10 .05 .11 1.50	1.00 .36 .94 9.00	
226.50	227.30	BASALTIC DYKE: Dark greenish, aphanitic to fine-grained dyke with sharp contacts; weak to moderately cut by quartz veinlets up to 1 cm wide, with chlorite, epidote, pyrite; lower contact at 20° to core axis.										
227.30	230.75	DACITE ASH TUFF: Dark greyish green dacitic ash tuff to fine lapilli tuff; very weakly altered; similar to that described from 206.35 - 210.30 m, above.										
230.75	231.10	BASALT FLOW BRECCIA: Dark green to black aphanitic basalt flow with hyaloclastic quench/breccia texture, and quartz veining.	R8816245	231.10	231.80	.70	.01	.07	.02	.06	.68	
231.10	237.45	CHERT: White to light grey cherty material, aphanitic to ghost-like, vague lapilli fragmental texture; minor sericite alteration; weak, thin chloritic fractures. 235.08 235.30 BASALTIC DYKE: Dark green aphanitic dyke, sharp contacts.	R8816246 R8816247 R8816248 R8816249 R8816250	231.80 233.48 233.81 234.79 236.83	233.48 233.81 234.79 236.83 238.35	1.68 .33 .98 2.04 1.52						
237.45	253.60	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Fragmental texture is apparent, dominated by lapilli sized sub-angular to lenticular fragments; matrix is intensely sericite altered, disseminated pyrite supporting buff yellow fragments; local orange/yellow weathering may indicate weak carbonate alteration. 246.75 247.50 Grey-brownish welded tuff layer with fiame-like fragments; contacts are sharp; upper contact has stretched and contorted quartz-eyes over ~ 5 cm. 3 - 5% disseminated pyrite grains and cubic crystals up to 5 mm. 250.55 250.95 BASALTIC DYKE: Dark green aphanitic dyke, sharp contacts.	R8816251 R8816252 R8816253 R8816254 R8816255 R8816256 R8816257 R8816258 R8816259 R8816260 R8816261 R8816262	238.35 239.88 240.64 241.71 242.62 244.15 245.97 247.50 249.02 250.85 252.37 253.59	239.88 240.64 241.71 242.62 244.15 245.97 247.50 249.02 250.85 252.37 253.59 255.12	1.52 .76 1.07 .92 1.52 1.83 1.52 1.52 1.83 1.52 1.22 1.52						
253.60	256.65	BASALT FLOW BRECCIA: SERICITIC , WITH DISSEMINATED PYRITE Whitish to buff-yellow weathered (carbonate ?) altered basaltic, quartz	R8816263	255.12	256.64	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		amygdaloidal tuff or flow; fragments of silica-filled scoria; quartz-vesicles (up to 50 - 80%) are locally elongated; 5-10% pyrite grains appear confined to quartz-vesicles, or as irregular (squiggly) cross-cutting veinlets, or along fractures which parallel foliation.	R8816264	256.64	257.56	.91						
256.65	288.95	BASALT FLOW: , WITH DISSEMINATED PYRITE Light grey to olive-green grey, generally fine-grained ash sized fragments with locally rich concentrations of quartz-filled vesicles (up to 50%); trace to 5% pyrite. 256.65 265.35 Zone of strong, irregular white quartz-veining from 1-10 cm wide, with epidote selvage and minor brown/orange garnet; trace calcite. 267.30 274.60 Quartz-amygdaloidal rich zone (10-50%) in olive green-grey weak foliated basalt lapilli tuff, strong sericite altered; minor white/grey quartz fragments; local yellow/orange carbonate(?) weathering. 275.00 276.45 BASALT FLOW: Dark brownish-grey chloritic, quartz-amygdaloidal (~10%) basaltic flow(?); Interval similar to last interval of this hole. 276.45 279.50 Moderately fractured by quartz-chlorite-epidote veinlets from 0.5 - 10 cm wide. 279.50 280.25, With MASSIVE PYRITE Massive pyrite zone in dark sericitic and chloritic altered tuffaceous pyritic mud; pyrite has massive banded to granular texture.	R8816265 R8816266 R8816267 R8816268 R8816269 R8816270 R8816271 R8816272 R8816273 R8816274 R8816275	261.73 263.04 266.55 268.22 269.75 271.27 272.80 274.32 276.00 278.89 279.53	263.04 264.41 268.22 269.75 271.27 272.80 274.32 276.00 276.55 279.26 281.03	1.31 1.37 1.68 1.52 1.52 1.52 1.52 1.68 .55 .37 1.49						
288.95	290.80	BASALT FLOW: BIOTITIC Same as interval at bottom of TCU-88-3; from 298.9 - 307.24 m, and TCU-88-5 from 275.00 - 276.45 m. Dark brownish-grey chloritic-biotitic basaltic lapilli tuff (or autobrecciated flow ?); moderate sericite altered, locally abundant quartz-filled vesicles.										
290.80		EOH										

Hole No: TCU-88-5
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 157.5
Dip: -64.0
Length (m): 290.80
Elevation: 111.18
(metres)

Core Size: NQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 2, 1988
Completed: SEPT. 6, 1988
Recovery:

Date Logged: SEPT. 3-6, 1988
Logged By: A.M.PAUWELS
Date Re-logged: August 1-2, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:01pm

Purpose: To test G horizon at 4900 mine elevation. To intersect the mineral horizon 200 to 300' below Hole 87-5.

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8816225	59.59	60.65	1.07		.00						<10	.5	136	24	279						
R8816226	204.52	206.44	1.92		.00						<10	<.4	19	10	162						
R8816227	206.44	207.87	1.43		.00						<10	<.4	33	4	183						
R8816228	207.87	209.40	1.52		.00						<10	<.4	25	42	289						
R8816229	209.40	210.46	1.07		.00						<10	<.4	29	27	311						
R8816230	210.46	211.68	1.22		.00						26	.7	210	105	253						
R8816231	211.68	212.66	.97	3.06	84.22	.07	3.60	.81	.96	5.50	2080	>142.0	8470	9310	>51400						
R8816232	212.66	213.36	.70	3.06	28.99	.03	1.71	.22	.46	1.40	920	57.0	2110	4270	>14700						
R8816233	213.36	214.73	1.37	3.06	66.96	.04	2.58	1.01	.80	4.40	1300	87.3	9710	7130	>43100						
R8816234	214.73	216.10	1.37		.00						46	2.0	74	63	271						
R8816235	216.10	217.63	1.52		.00						<10	1.2	34	143	191						
R8816236	217.63	218.54	.92		.00						34	.9	41	86	358						
R8816237	218.54	219.15	.61		.00						98	1.1	295	151	1960						
R8816238	219.15	219.91	.76	3.39	67.33	.05	.68	.78	.86	5.40	1892	23.8	7890	8030	>55800						
R8816239	219.91	220.37	.46	3.39	22.36	.02	.42	.45	.10	1.10	540	14.9	4690	882	>10400						
R8816240	220.37	221.44	1.07	3.39	99.79	.06	1.46	1.14	.74	8.80	1852	51.8	>11200	6750	>86000						
R8816241	222.96	223.57	.61		33.59	.02	.58	1.27	.10	1.00	540	22.3	>12500	844	>10200						
R8816242	223.57	225.10	1.52		5.55	.00	.08	.12	.05	.36	76	2.7	1140	461	3380						
R8816243	225.10	225.55	.46	3.59	9.15	.00	.11	.09	.11	.94	100	4.1	836	1000	9930						
R8816244	225.55	226.53	.97	3.59	112.44	.06	2.34	1.67	1.50	9.00	1620	80.5	>16200	>13600	>90200						
R8816245	231.10	231.80	.70		7.11	.01	.06	.02	.06	.68	166	2.8	174	497	6930						
R8816246	231.80	233.48	1.68		.00						62	.6	58	118	328						
R8816247	233.48	233.81	.33		.00						144	.5	26	31	115						
R8816248	233.81	234.79	.98		.00						764	<.4	26	25	78						
R8816249	234.79	236.83	2.04		.00						52	.4	33	17	83						
R8816250	236.83	238.35	1.52		.00						48	<.4	17	11	92						
R8816251	238.35	239.88	1.52		.00						64	1.3	17	20	133						
R8816252	239.88	240.64	.76		.00						160	9.4	27	38	184						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8816253	240.64	241.71	1.07		.00						204	17.3	25	72	347						
R8816254	241.71	242.62	.92		.00						184	8.2	18	66	341						
R8816255	242.62	244.15	1.52		.00						182	5.6	18	43	248						
R8816256	244.15	245.97	1.83		.00						344	33.0	32	120	138						
R8816257	245.97	247.50	1.52		.00						302	34.0	58	102	196						
R8816258	247.50	249.02	1.52		.00						436	7.5	45	265	449						
R8816259	249.02	250.85	1.83		.00						136	2.5	64	128	578						
R8816260	250.85	252.37	1.52		.00						144	6.9	154	116	2450						
R8816261	252.37	253.59	1.22		.00						126	3.1	252	58	1740						
R8816262	253.59	255.12	1.52		.00						136	1.7	246	26	1220						
R8816263	255.12	256.64	1.52		.00						102	1.4	580	37	6250						
R8816264	256.64	257.56	.91		.00						104	<.4	1610	20	>15200						
R8816265	261.73	263.04	1.31		.00						100	.7	123	31	3310						
R8816266	263.04	264.41	1.37		.00						40	<.4	62	15	919						
R8816267	266.55	268.22	1.68		.00						96	.5	56	23	348						
R8816268	268.22	269.75	1.52		.00						212	3.0	717	29	159						
R8816269	269.75	271.27	1.52		.00						134	1.4	87	25	49						
R8816270	271.27	272.80	1.52		.00						144	1.6	35	25	23						
R8816271	272.80	274.32	1.52		.00						114	1.2	48	16	30						
R8816272	274.32	276.00	1.68		.00						72	.7	53	19	76						
R8816273	276.00	276.55	.55		.00						42	.5	30	15	176						
R8816274	278.89	279.26	.37		.00						58	<.4	35	23	341						
R8816275	279.53	281.03	1.49		.00						116	.9	106	30	448						

Hole No: TCU-88-6
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 76.5
Dip: -15.0
Length (m): 134.10
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 6, 1988
Completed: SEPT. 9, 1988
Recovery:

Date Logged: SEPT. 7-10, 1988
Logged By: E.A. DEMBICKI
Date Re-logged: OCT. 30-31, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:20am

Purpose: To intersect mineral horizon 200' above intersection in hole TCU-87-1.

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	76.5	-15.0															
64.0	75.0	-12.0	132.6	79.0	-8.0												

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	49.35	BASALT UNDIFFERENTIATED: Dark greenish-grey, medium to coarse-grained, feldspar phyric (10-15%) basaltic dyke(?); homogeneous throughout with very rare quartz-magnetite veinleting; moderately magnetic; lower 2 metres is strongly quartz-epidote-chlorite veined; rare dacitic xenoliths near lower, irregular contact; excellent recovery and RQD.										
49.35	92.95	DACITE FLOW: Mottled light to dark grey, feldspar phyric dacite flow and flow breccia; feldspar phenocrysts are white, 1-2mm long, anhedral to subhedral and occur within fragments and matrix; they are locally obscured due to patchy pale greenish to white albite flooding; interval is strongly brecciated to almost flow-banded; breccia fragments are rounded to angular and vary in size from fine lapilli to breccia (~8cm); weakly cut by chlorite fractures with white albite haloes.										
92.95	94.20	BASALTIC DYKE: Fine-grained, black basaltic dyke with sharp contacts; strongly magnetic; upper and lower contacts are both at 60° to core axis.	R8816276	94.18	95.56	1.37						
94.20	107.60	DACITE FLOW: SILICIFIED Medium to light grey, bleached and moderately silicified dacite flow similar to that described above from 49.35 to 92.95 metres, however textures are vague; interval is cut by black chlorite veinlets with ~1%	R8816277	95.56	95.86	.31						
			R8816278	95.86	97.54	1.68						
			R8816279	97.54	98.45	.91						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		disseminated pyrite, locally concentrated within matrix between flow-banded fragments.	R8816280	98.45	99.67	1.22						
			R8816281	99.67	100.58	.91						
			R8816282	100.58	102.11	1.52						
			R8816283	102.11	103.94	1.83						
			R8816284	103.94	105.46	1.52						
			R8816285	105.46	106.99	1.52						
			R8816286	106.99	107.59	.61						
			R8816287	107.59	109.12	1.52						
107.60	110.00	BASALTIC DYKE: Same as described above from 92.95 to 94.20 metres, with xenoliths of wall-rock along irregular contacts; local epidote.	R8816288	109.12	110.25	1.13						
110.00	112.50	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Bleached whitish, foliated zone of probable dacite lapilli tuff; calcite - silica - epidote altered with rare bands of weakly disseminated pyrite at 30° to 50° to core axis; appears to be minor fault movement locally within interval due to calcite healed breccia veins; 5-25% pyrite; 3-5% sphalerite; trace galena and chalcopyrite. This interval may represent a xenolithic block of exhalitic horizon or altered dacite within a basaltic intrusion.	R8816289	110.25	110.95	.70	.02	1.29	.43	1.00	4.00	
			Z39	110.25	111.86	1.61						
			Z39	110.25	111.86	1.61						
			R8816290	110.95	111.25	.31	.01	.94	1.24	.25	1.90	
			R8816291	111.25	111.86	.61	.00	.04	.04	.04	.09	
112.50	114.00	BASALTIC DYKE: Medium grey-green dyke, fine-grained, homogeneous throughout, strongly magnetic; contacts are sharp and lighter then rest of dyke; upper contacts are irregular.	R8816292	113.69	114.00	.31	.01	.24	.18	.05	.88	
114.00	134.10	DACITE FLOW: PROPYLITIC Dark grey feldspar phyric flow, very weakly brecciated; phenocrysts are obscured; interval is cut by pale green albite and epidote ± quartz veinlets; locally mottled due to flooded albite alteration; upper 3 metres may be flow- top breccia or fragmental tuff, strongly sheared and contorted, and chlorite altered.										
134.10		EOH										

Hole No: TCU-88-6
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 76.5
Dip: -15.0
Length (m): 134.10
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 6, 1988
Completed: SEPT. 9, 1988
Recovery:

Purpose: To intersect mineral horizon 200' above intersection in hole TCU-87-1.

Date Logged: SEPT. 7-10, 1988
Logged By: E.A. DEMBICKI
Date Re-logged: OCT. 30-31, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:02pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8816276	94.18	95.56	1.37		.00						<10	<.4	45	103	103						
R8816277	95.56	95.86	.31		.00						136	13.9	4830	1980	2520						
R8816278	95.86	97.54	1.68		.00						24	.6	147	52	2610						
R8816279	97.54	98.45	.91		.00						<10	<.4	51	49	103						
R8816280	98.45	99.67	1.22		.00						<10	<.4	12	<4	28						
R8816281	99.67	100.58	.91		.00						<10	<.4	11	15	49						
R8816282	100.58	102.11	1.52		.00						58	<.4	233	113	726						
R8816283	102.11	103.94	1.83		.00						<10	<.4	50	43	181						
R8816284	103.94	105.46	1.52		.00						<10	<.4	40	50	199						
R8816285	105.46	106.99	1.52		.00						24	1.7	74	117	333						
R8816286	106.99	107.59	.61		.00						24	.7	85	95	337						
R8816287	107.59	109.12	1.52		.00						<10	.5	77	106	397						
R8816288	109.12	110.25	1.13		.00						96	2.3	261	328	950						
R8816289	110.25	110.95	.70	2.94	43.29	.01	1.15	.43	1.00	4.00	364	37.0	4570	9960	>38000						
R8816290	110.95	111.25	.31		33.07	.01	.84	1.24	.25	1.90	256	26.1	>10800	2430	>17900						
R8816291	111.25	111.86	.61		1.32	.00	.04	.04	.04	.09	<10	1.2	383	258	827						
R8816292	113.69	114.00	.31		11.70	.01	.21	.18	.05	.88	240	6.9	1740	336	9600						

Hole No: TCU-88-7
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 76.0
Dip: -68.0
Length (m): 220.37
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 10, 1988
Completed: SEPT. 12, 1988
Recovery:

Date Logged: SEPT. 11-15, 1988
Logged By: E.A. Dembicki
Date Re-logged: August 5-6, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:20am

Purpose: To test the G horizon between 4800 4900 mine elevation. To intersect the mineralization down-plunge of hole TCU-88-3.

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	76.0	-68.0															
85.3	76.0	-68.0	146.3	77.0	-68.0	210.3		-66.0									

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.45	CASING										
.45	84.25	BASALT UNDIFFERENTIATED: Dark green, aphanitic to medium-grained, weakly magnetic; generally homogeneous with local thin (<1m) lapilli and flow-breccia(?) layers; flow is locally feldspar phyric with up to 30% phenocrysts, subhedral, 1-2 mm; very weakly fractured with quartz veinlets.										
84.25	140.80	DACITE FLOW: Mottled colouration from dark grey to light grey to buff green; mottling due to local, patchy albitization, flows are dominant, generally white feldspar phyric in a dark siliceous matrix; local brecciation with chloritic matrix; fragmental lapilli tuff intervals locally host feldspar porphyritic fragments and pumice fragments, with traces of red jasper. 89.45 90.95 BASALTIC DYKE: Dark green to black, aphanitic; sharp contacts; strongly magnetic. 114.60 116.95 DACITE LAPILLI TUFF: Dacitic to rhyolitic fragmental debris flow with white chert and sericitized rock fragments in an intense tuffaceous, pyritic matrix (2-3% pyrite); top of interval is white, quartz and clay rich. 116.95 123.05 BASALTIC DYKE: Medium grey-green dyke, weakly amphibole porphyritic; strongly magnetic; contacts are chilled and brecciated/veinleted. 123.05 129.75 DACITE LAPILLI TUFF: Dacitic to rhyodacitic fragmental	R8817164	139.29	140.82	1.52	.00	.08	.02	.03	.13	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		debris flow with lapilli-sized fragments with occasional rounded pyritic fragments towards bottom of interval; moderate chlorite alteration, weak sericite alteration with local albitization.										
		129.75 130.15 BASALTIC DYKE: Dark green, fine-grained, weakly magnetic amphibole phyric dyke with sharp, dark, chilled contacts.										
		133.08 135.50 BASALTIC DYKE: Dark green, fine-grained, strongly magnetic, locally amphibole phyric dyke with sharp, chilled contacts.										
140.80	145.30	DACITE LAPILLI TUFF:										
		Strong to intense sericite altered dacitic tuff, rare quartz-eyes; upper 50 cm is whitish chert-rich with 2 - 3% disseminated pyrite, minor coarse chert fragments throughout; lower 40 cm is very siliceous, trace chalcopyrite; ~ 2 - 3% beige sphalerite throughout; sericite zones display foliated fabric.	R8817146	140.82	141.58	.76	.01	.25	.33	.03	.14	
			Z40	140.82	143.41	2.59						
			Z40	140.82	143.41	2.59						
			R8817147	141.58	142.04	.46	.02	.33	.41	.28	1.53	
			R8817148	142.04	142.80	.76	.00	.01	.01	.01	.04	
		144.17 144.78 BASALTIC DYKE: Dark green, fine-grained; magnetic, with sharp, chilled contacts.	R8817149	142.80	143.41	.61	.03	.61	.15	.32	1.72	
			R8817150	143.41	143.87	.46	.01	.30	.18	.07	.50	
			ZAK	143.41	147.83	4.42						
			R8817151	143.87	144.29	.43	.03	.28	.10	.22	.96	
			R8817152	144.78	145.39	.61	.07	2.72	.87	.14	.60	
145.30	146.60	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE										
		Zinc Facies. Sericite-quartz fragmental with massive to weakly disseminated sulphides; ~15-20% sphalerite; 5-10% galena; 2-5% chalcopyrite as veinlets and irregular masses.	R8817153	145.39	146.00	.61	.04	2.29	1.25	2.20	6.80	
			R8817154	146.00	146.61	.61	.08	2.51	2.29	4.20	14.50	
146.60	151.10	EXHALITIC TUFF: SERICITIC										
		Dark greyish-green to beige, coarse fragmental with rare dacite breccia-sized fragments; occasional grey-white cherty fragments; sericite alteration is locally intense with strong foliated fabric at 30-40° to core axis; local intense chlorite, foliated around cherty fragments; trace sphalerite, pyrite.	R8817155	146.61	147.22	.61	.02	.28	.13	.20	.77	
			R8817156	147.22	147.83	.61	.03	.72	.27	.80	2.40	
			R8817157	147.83	148.44	.61	.00	.05	.05	.05	.15	
			Z42	147.83	149.47	1.64						
			R8817158	148.44	149.47	1.04	.04	.10	.05	.03	.24	
			ZAL	149.47	153.92	4.45						
			R8817159	149.47	149.96	.49	.01	.08	.02	.04	.15	
			R8817160	149.96	150.57	.61	.00	.01	.02	.01	.02	
			R8817161	150.57	151.09	.52	.01	1.42	.51	.03	.62	
			R8817162	151.09	152.10	1.01	.22	8.79	2.95	1.46	12.10	
151.10	152.75	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE										
		Zinc Facies. Massive sulphide-rich fragmental tuff; 30% massive to disseminated sphalerite, 2-5% disseminated galena, 2-5% local network chalcopyrite; occasional breccia-sized dacite to rhyolite(?) fragments, more commonly lapilli-sized fragments; intense sericite alteration of tuff fragments.	R8817163	152.10	152.83	.73	.15	12.30	1.62	2.85	16.70	
152.75	159.35	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE										
		Medium grey to bleached white fragmental; siliceous with local quartz-	R8817165	152.83	153.92	1.10	.01	.49	.38	.15	.74	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		carbonate-sericite alteration; 5% pyrite, trace to 2% sphalerite, trace chalcopyrite, minor albite-chlorite alteration.	Z44	153.92	158.04	4.12						
			R8817166	153.92	155.30	1.37	.00	.06	.02	.01	.05	
			R8817392	156.97	157.79	.82	.01	.17	.09	.21	.56	
			R8817167	157.79	158.04	.24	.00	.05	.04	.03	.10	
			R8817168	158.04	159.41	1.37	.02	.74	.26	.35	1.80	
			Z45	158.04	160.63	2.59						
		152.75 155.38 White bleached, kaolinite clay altered, silicified by numerous quartz veinlets, dacite ash(?) tuff with quartz-eyes(?) or quartz-filled vesicles; trace disseminated cubic pyrite crystals; local buff-orange weathered carbonate alteration; lower contact is sharp.										
		155.38 156.90 BASALTIC DYKE: Fine-grained, dark green dyke, magnetic; minor light grey silicification along fine fractures.										
159.35	165.20	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE										
		Zinc Facies. Dacitic to rhyolitic fragmental with sphalerite rich intervals Zinc Facies. Dacitic to rhyolitic fragmental with sphalerite rich intervals in coarse zones, to sulphide-barren intervals in ash-rich zones; strong sericitization of ash.	R8817169	159.41	160.02	.61	.03	.61	.23	.15	1.47	
			R8817170	160.02	160.63	.61	.03	.61	.22	.18	1.80	
			R8817171	160.63	161.24	.61	.08	1.74	.46	.44	4.10	
			ZAM	160.63	165.20	4.57						
		159.35 162.46, With DISSEMINATED SPHALERITE Sphalerite-rich zone with 5-10% disseminated and coarse crystalline masses of black-jack sphalerite; trace to 5% galena, trace to 2% chalcopyrite; sericite alteration is strong to intense.	R8817172	161.24	161.60	.37	.05	1.56	.48	.46	3.50	
			R8817173	161.60	161.85	.24	.14	18.87	1.40	10.50	12.00	
			R8817174	161.85	162.46	.61	.04	1.80	.35	.45	2.40	
			R8817175	162.46	163.37	.92	.05	1.63	.19	.56	1.62	
		162.46 164.30 Weak sulphide zone of fine dacitc ash tuff to lapilli tuff.	R8817176	163.37	164.29	.91	.01	.08	.04	.02	.12	
		164.30 165.20, With DISSEMINATED SPHALERITE Sphalerite-rich zone with 10-15% whispy network of buff-yellow sphalerite, 2-5% disseminated galena, trace chalcopyrite, pyrite with fragments of white barite; probable debris flow; moderate to strong foliated fabric at 30-40° to core axis.	R8817177	164.29	164.84	.55	.08	6.35	.43	2.80	5.50	
			R8817178	164.84	165.20	.37	.04	3.39	.27	3.20	11.90	
165.20	179.10	DACITE ASH TUFF:										
		Whitish to dark green dacitic to rhyolitic ash tuff with occasional lapilli-sized fragments; 5-10% white feldspar crystals and minor quartz-eyes.	R8817179	165.20	165.66	.46	.01	.35	.04	.06	.22	
			R8817180	165.66	166.57	.91						
			R8817181	166.57	167.64	1.07						
		165.20 170.85 Light to dark green, moderate sericite to chlorite altered.	R8817182	167.64	168.71	1.07						
			R8817183	168.71	170.54	1.83						
		170.85 179.10 Bleached white kaolinite/clay altered, with trace to 1% disseminated pyrite cubes (less than 5mm); moderate to strongly cut by hairline chlorite ± carbonate fractures; local slickensides.	R8817184	170.54	170.84	.30						
			R8817185	170.84	172.21	1.37						
			R8817186	172.21	174.19	1.98						
			R8817187	174.19	175.57	1.37						
			R8817188	175.57	177.09	1.52						
			R8817189	177.09	178.61	1.52						
			R8817190	178.61	179.22	.61						
179.10	182.75	DACITE LAPILLI TUFF:										
		Beige lapilli-size fragments in strongly sheared and clay/sericitic altered matrix, disseminated pyrite (2-10%) throughout, locally gougy, locally quartz-carbonate altered.	R8817191	179.22	179.53	.30	.00	.63	.50	.57	2.90	
			R8817192	179.53	179.83	.31	.02	1.68	.73	1.78	6.80	
			R8817193	179.83	180.59	.76	.00	.26	.23	.26	1.38	
		179.22 181.05, With DISSEMINATED SPHALERITE Zinc-rich zone with up to 7-10% black, disseminated sphalerite.	R8817194	180.59	180.96	.37	.02	.85	.96	.28	3.20	
			R8817199	180.96	182.42	1.46						
		182.25 182.75, With DISSEMINATED SPHALERITE Zinc-rich zone with up to 20%	R8817200	182.42	182.73	.30	.02	1.96	1.46	2.40	9.20	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		black, disseminated to massive sphalerite.										
182.75	188.76	BASALTIC DYKE: Dark green, aphanitic dyke, intensely shattered/crackled with black chloritic veinlets and silicified fragments; weakly magnetic; contacts are sharp.										
188.76	199.80	BASALT FLOW: SILICIFIED Light greyish to buff to pale green siliceous altered basaltic ash with local lapilli fragments; up to 5% fine disseminated pyrite throughout, numerous quartz-filled amygdules and interlayered chert; intense sericite altered ash layers; strong foliated fabric at 25-40° to core axis. 192.78 195.83 BASALTIC DYKE: Fine-grained to aphanitic dark greyish dyke; very siliceous, altered. Moderately magnetic, sharp contacts.	R8817195 R8817196 R8817197 R8817198	188.82 190.50 196.60 198.12	190.50 192.33 198.12 199.95	1.68 1.83 1.52 1.83						
199.80	220.37	BASALT FLOW: Dark green basaltic flow, locally feldspar porphyritic, pervasive moderate chloritic alteration; locally cut by zoned albite-chlorite veinlets; upper ~2 m has fragmental lapilli tuff texture (flow-top breccia?).										
220.37		EOH										

Hole No: TCU-88-7
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 76.0
Dip: -68.0
Length (m): 220.37
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 10, 1988
Completed: SEPT. 12, 1988
Recovery:

Date Logged: SEPT. 11-15, 1988
Logged By: E.A. Dembicki
Date Re-logged: August 5-6, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:02pm

Purpose: To test the G horizon between 4800-4900 mine elevation. To intersect the mineralization down-plunge of hole TCU-88-3.

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8817164	139.29	140.82	1.52		1.41	.00	.07	.02	.03	.13											
R8817146	140.82	141.58	.76		8.18	.01	.22	.33	.03	.14											
R8817147	141.58	142.04	.46		23.95	.02	.29	.41	.28	1.53											
R8817148	142.04	142.80	.76		.44	.00	.01	.01	.01	.04											
R8817149	142.80	143.41	.61		25.27	.03	.55	.15	.32	1.72											
R8817150	143.41	143.87	.46		9.51	.01	.27	.18	.07	.50											
R8817151	143.87	144.29	.43		17.93	.02	.25	.10	.22	.96											
R8817152	144.78	145.39	.61		44.79	.06	2.43	.87	.14	.60											
R8817153	145.39	146.00	.61	3.16	86.32	.04	2.04	1.25	2.20	6.80											
R8817154	146.00	146.61	.61	3.16	168.58	.07	2.24	2.29	4.20	14.50											
R8817155	146.61	147.22	.61	3.16	16.26	.02	.25	.13	.20	.77											
R8817156	147.22	147.83	.61	3.16	33.32	.03	.64	.27	.80	2.40											
R8817157	147.83	148.44	.61		2.85	.00	.04	.05	.05	.15											
R8817158	148.44	149.47	1.04		16.05	.04	.09	.05	.03	.24											
R8817159	149.47	149.96	.49		3.73	.01	.07	.02	.04	.15											
R8817160	149.96	150.57	.61		1.19	.00	.01	.02	.01	.02											
R8817161	150.57	151.09	.52		16.26	.01	1.26	.51	.03	.62											
R8817162	151.09	152.10	1.01	3.69	218.31	.20	7.85	2.95	1.46	12.10											
R8817163	152.10	152.83	.73	3.69	221.61	.14	10.98	1.62	2.85	16.70											
R8817165	152.83	153.92	1.10		15.51	.01	.44	.38	.15	.74											
R8817166	153.92	155.30	1.37		.75	.00	.05	.02	.01	.05											
R8817392	156.97	157.79	.82		8.60	.01	.15	.09	.21	.56											
R8817167	157.79	158.04	.24		2.42	.00	.04	.04	.03	.10											
R8817168	158.04	159.41	1.37	2.94	24.59	.02	.66	.26	.35	1.80											
R8817169	159.41	160.02	.61	2.94	24.08	.03	.55	.23	.15	1.47											

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 S/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8817170	160.02	160.63	.61	2.94	26.47	.03	.55	.22	.18	1.80											
R8817171	160.63	161.24	.61	2.94	66.51	.08	1.56	.46	.44	4.10											
R8817172	161.24	161.60	.37	2.94	51.66	.05	1.39	.48	.46	3.50											
R8817173	161.60	161.85	.24	2.94	229.41	.13	16.85	1.40	10.50	12.00											
R8817174	161.85	162.46	.61	2.94	39.70	.04	1.61	.35	.45	2.40											
R8817175	162.46	163.37	.92	2.94	35.94	.04	1.46	.19	.56	1.62											
R8817176	163.37	164.29	.91	2.94	4.54	.01	.07	.04	.02	.12											
R8817177	164.29	164.84	.55	2.94	95.06	.07	5.67	.43	2.80	5.50											
R8817178	164.84	165.20	.37	2.94	112.68	.03	3.03	.27	3.20	11.90											
R8817179	165.20	165.66	.46		6.52	.01	.31	.04	.06	.22											
R8817180	165.66	166.57	.91		.00						120	4.9	480	281	1700						
R8817181	166.57	167.64	1.07		.00						20	.9	35	141	262						
R8817182	167.64	168.71	1.07		.00						20	.9	65	113	568						
R8817183	168.71	170.54	1.83		.00						<10	<.4	15	52	162						
R8817184	170.54	170.84	.30		.00						<10	<.4	52	59	164						
R8817185	170.84	172.21	1.37		.00						26	<.4	34	71	173						
R8817186	172.21	174.19	1.98		.00						40	.4	17	57	129						
R8817187	174.19	175.57	1.37		.00						<10	<.4	14	15	104						
R8817188	175.57	177.09	1.52		.00						32	<.4	21	36	156						
R8817189	177.09	178.61	1.52		.00						40	<.4	63	60	119						
R8817190	178.61	179.22	.61		.00						<10	<.4	6	135	319						
R8817191	179.22	179.53	.30		29.66	.00	.56	.50	.57	2.90	124	23.3	4760	5410	>31000						
R8817192	179.53	179.83	.31		71.07	.02	1.50	.73	1.78	6.80	946	48.3	6800	>17300	>73000						
R8817193	179.83	180.59	.76		14.59	.00	.23	.23	.26	1.38	100	8.8	2030	2430	>14000						
R8817194	180.59	180.96	.37		42.61	.02	.76	.96	.28	3.20	544	26.4	9090	2670	>33100						
R8817199	180.96	182.42	1.46		.00						60	4.8	1890	596	5810						
R8817200	182.42	182.73	.30		96.30	.02	1.75	1.46	2.40	9.20	664	54.0	>13900	>21600	>93400						
R8817195	188.82	190.50	1.68		.00						300	3.9	236	127	401						
R8817196	190.50	192.33	1.83		.00						142	5.1	475	596	1620						
R8817197	196.60	198.12	1.52		.00						28?	3.7	457	519	1840						
R8817198	198.12	199.95	1.83		.00						45.	7.2	151	489	1730						

TCU-88-8

Hole No: TCU-88-8
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 185.0
Dip: -80.0
Length (m): 337.11
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 14, 1988
Completed: SEPT. 21, 1988
Recovery:

Date Logged: SEPT. 16-22, 1988
Logged By: E.A. DEMBICKI
Date Re-logged: AUGUST 3-4, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:20am

Purpose: To test the G horizon at 4600 mine elevation, adjacent 5300 Fault. To intersect mineral horizon down-plunge from Hole TCU-88-3.

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	185.0	-80.0															
61.0	177.0	-80.0	152.4		-81.0	213.4	175.0	-81.0	274.3		-82.0	335.3		-82.0			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.70	CASING										
.70	59.35	BASALT UNDIFFERENTIATED: Dark green, fine-grained, pervasive moderate chlorite alteration, local feldspar phyric zones with up to 30% subhedral feldspar crystals ~1-2 mm; generally homogeneous throughout. Lower contact weakly brecciated. 52.75 53.10 FAULT Bleached buff-brown, multiple brecciated zone with calcite veining; minor gouge.										
59.35	105.45	DACITE FLOW: Mottled dark grey to beige to pale green; flow intervals are feldspar phyric with white, sub to euhedral feldspar phenocrysts 1-3 mm; local flow- brecciation; mottled alteration and veinlets more intense towards bottom of section; dominantly albitic alteration with lesser chlorite ± trace epidote. 59.35 63.35 DACITE FLOW: Mottled albite ± chlorite ± epidote alteration. 63.35 66.35 DACITE FLOW BRECCIA: Dark green-grey fragmental with feldspar phyric fragments; dominantly chloritic altered. 66.35 75.60 DACITE FLOW: Same as 59.35 - 63.35 m. 75.60 78.35 SLOKO RYHOLITE DYKE: Beige rhyolite dyke with flow-banding throughout. Upper contact sharp at 45°; lower contact sharp at 35° to core axis. 78.35 90.70 DACITE FLOW BRECCIA: Strong mottled flow with local auto-breccia zones strong albitic alteration, minor epidote ±										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		chlorite. Cut by narrow (20 - 40 cm) basaltic andesite dykes at bottom. Strong chloritic fracturing across albitic flooding.										
105.45	209.80	BASALT UNDIFFERENTIATED: Dark green, fine-grained to aphanitic homogeneous basalt interval, with local tuff(?) and breccia; pervasive moderate chloritic alteration with rare quartz veinlets up to 1 cm wide, generally excellent RQD. Lower 25 m has less than 10 RQD due to wide fault zone, local intense quartz-calcite ± gypsum veining in chlorite gouge zones. 190.20 190.50 FAULT Quartz-calcite in weak gouge zone. 192.90 193.40 FAULT Same as above, with prehnite. 195.00 195.20 FAULT Same as above. 201.30 202.10 FAULT Intense chloritic gouge zone healed with strong quartz-calcite veinlets.										
209.80	224.10	DACITE LAPILLI TUFF: Pale green to dark grey dacitic pyroclastic with variable sized fragments; angular to stretched and foliated; local feldspar phyric fragments; strong to intense sericite alteration, increasing downward, locally siliceous; traces of bright red jasper. 209.80 211.10 White bleached albitic contact zone; intensely fractured.										
224.10	225.60	FAULT Brecciated zone with occasional 10 cm wide gouge zones; albite - chlorite - quartz altered.										
225.60	232.71	DACITE FLOW: SILICIFIED Dacite flow with vague, white feldspar phenocrysts; very siliceous, with local white chert; trace to 1% disseminated pyrite. 231.35 231.65 SILICIFIED Siliceous with local white chert.	R8817896	226.16	226.62	.46						
			R8817897	226.62	227.69	1.07						
			R8817898	227.69	229.21	1.52						
			R8817899	229.21	230.73	1.52						
			R8817900	230.73	232.71	1.98						
232.71	236.22	COPPER FACIES: , WITH MASSIVE PYRITE 90% Massive pyrite horizon with up to 5-10% chalcopyrite, 5% sphalerite, vaguely banded at high angle to core axis. Grey to dark grey-green lapilli tuff with narrow (30 - 50 cm thick) ash horizons; lapilli fragments are uniform in size from 1 to 3 cm. Pervasive moderate sericite-chlorite alteration, with silicification along breccia/fracture zones.	ZAN	232.71	239.27	6.56						
			R8817393	232.71	233.78	1.07	.08	1.80	5.90	.17	5.60	
			R8817394	233.78	234.39	.61	.09	2.51	5.00	.24	3.50	
			R8817395	234.39	235.31	.91	.09	1.47	4.30	.02	.28	
			R8817396	235.31	235.61	.30	.28	2.94	9.60	.09	2.00	
			R8817397	235.61	236.07	.46	.02	.40	1.30	.03	.49	
			R8817398	236.07	236.22	.15	.03	2.67	5.80	1.70	9.30	
235.22	262.30	BASALT LAPILLI TUFF: 241.45 243.85 FAULT Earthy, red, hematitic gouge along fractures at low angle to core axis, minor calcite-chlorite fractures with slickensides.	R8817901	236.22	237.74	1.52						
			R8817902	237.74	239.27	1.52						
			R8817903	239.27	241.10	1.83						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		244.75 245.00 FAULT Calcite-chlorite gouge.										
262.30	300.65	BASALT LAPILLI TUFF: Basaltic pyroclastic varying from lapilli tuff with rare feldspar phyric breccia fragments to fine ash tuffs with feldspar crystal fragments; moderate pervasive chlorite-sericite alteration; locally siliceous, trace jasper in veinlets. 271.90 273.55 FAULT Crush/breccia zone, chlorite-calcite altered; gougy. 282.85 283.15 FAULT Same as above fault zone.	R8817904 R8817905	276.15 277.37	277.37 278.28	1.22 .91						
300.65	304.50	BASALT FLOW: CHLORITIC Distinctly amygdaloidal, mafic flow, pervasive moderate chlorite altered, weakly porphyritic with mafic minerals (pyroxene ?).										
304.50	319.25	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Basaltic fragmental with lapilli fragments dominant at bottom of interval, local feldspar phyric, grading finer upwards to a fine lapilli tuff to ash tuff with an alignment or fabric at 45 - 60° to core axis. Rare chert bands and fragments; trace to 5% fine, disseminated pyrite. Sericite alteration is strong and pervasive. 316.70 317.90 FAULT Strong chlorite clay gouge, milled zone, minor carbonate with calcite veinleting into wall rock on either side of interval.	R8817906 R8817907 R8817908 R8817909 R8817910 R8817911	305.11 305.71 307.24 308.76 310.29 311.66	305.71 307.24 308.76 310.29 311.66 313.03	.61 1.52 1.52 1.52 1.37 1.37						
319.25	337.11	BASALT FLOW: PROPYLITIC Dark green, fine-grained, basaltic interval, locally amphibole porphyritic; moderately magnetic; moderate to strongly cut by quartz-epidote veinlets; interval is hard (> 5-6).										
337.11		EOH										

Hole No: TCU-88-8
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15233.10
(metres) E: 10763.50

Azimuth: 185.0
Dip: -80.0
Length (m): 337.11
Elevation: 111.18
(metres)

Core Size: BQ
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: SEPT. 14, 1988
Completed: SEPT. 21, 1988
Recovery:

Date Logged: SEPT. 16-22, 1988
Logged By: E.A. DEMBICKI
Date Re-logged: AUGUST 3-4, 1992
Re-logged By: D.J. HARRISON
Report Printed: 19 Feb, 1993 10:02pm

Purpose: To test the G horizon at 4600 mine elevation, adjacent 5300 Fault. To intersect mineral horizon down-plunge from Hole TCU-88-3.

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8817896	226.16	226.62	.46		.00						106	.6	132	50	263						
R8817897	226.62	227.69	1.07		.00						20	<.4	82	42	183						
R8817898	227.69	229.21	1.52		.00						100	1.6	684	366	2020						
R8817899	229.21	230.73	1.52		.00						<10	<.4	18	35	88						
R8817900	230.73	232.71	1.98		.00						292	3.3	990	310	1190						
R8817393	232.71	233.78	1.07	4.23	142.33	.07	1.61	5.90	.17	5.60	2010	64.0	>53600	1760	>55400						
R8817394	233.78	234.39	.61	4.23	122.88	.08	2.24	5.00	.24	3.50	2080	83.6	>48200	2340	>33100						
R8817395	234.39	235.31	.91	4.23	89.21	.08	1.31	4.30	.02	.28	2640	53.1	>41100	260	2760						
R8817396	235.31	235.61	.30	4.23	234.77	.25	2.63	9.60	.09	2.00	7800	>107.0	>91900	914	>19600						
R8817397	235.61	236.07	.46	4.23	27.97	.02	.36	1.30	.03	.49	640	13.8	>12800	326	4760						
R8817398	236.07	236.22	.15	4.23	153.61	.02	2.39	5.80	1.70	9.30	860	89.8	>56200	>17800	>93400						
R8817901	236.22	237.74	1.52		.00						26	<.4	68	63	185						
R8817902	237.74	239.27	1.52		.00						76	.9	103	143	202						
R8817903	239.27	241.10	1.83		.00						24	<.4	81	77	137						
R8817904	276.15	277.37	1.22		.00						<10	<.4	17	20	96						
R8817905	277.37	278.28	.91		.00						<10	<.4	23	20	76						
R8817906	305.11	305.71	.61		.00						<10	<.4	22	31	176						
R8817907	305.71	307.24	1.52		.00						64	2.4	143	1530	3750						
R8817908	307.24	308.76	1.52		.00						64	1.3	62	341	827						
R8817909	308.76	310.29	1.52		.00						60	3.6	138	268	812						
R8817910	310.29	311.66	1.37		.00						136	3.7	346	111	793						
R8817911	311.66	313.03	1.37		.00						<10	<.4	60	7	119						

TCU-8809

Hole No: TCU8809
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15029.90
(metres) E: 10461.50

Azimuth: 67.0
Dip: -68.0
Length (m): 369.40
Elevation: 110.05
(metres)
Purpose: To test structure below TCU-88-2.

Core Size: BQ
Drill Name: (Underground)
Contractor: Coates Drilling Ltd.
Started: Sept. 21, 1988
Completed: Sept. 30, 1988
Recovery:

Date Logged: Sept. 22 to Oct. 1, 1988
Logged By: R.J. Aulis
Date Re-logged: Nov. 01, 1992
Re-logged By: W.D. Melnyk
Report Printed: 9 Feb, 1993 4:20am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	67.0	-68.0												
30.5	67.0	-64.5	152.4	69.0	-60.0	274.3	68.0	-55.0	365.8		-46.5			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.60	CASING										
.60	36.50	BASALT LAPILLI TUFF: SILICIFIED Pale grey to dark grey and green. Mafic fragmental, intensely altered to quartz-sericite±chlorite. Section is strongly pyritic occurring as coarse granular aggregates and stringers usually with quartz. Pyrite 8-12%. 3.80 4.60 BASALTIC DYKE: Black, very fine grained, massive. 5.00 5.30 BASALTIC DYKE: Black, very fine grained, massive. 5.60 5.90 BASALTIC DYKE: Black, very fine grained, massive. 5.90 12.70 Pale grey, intensely altered to sericite-quartz-pyrite. Textures vague. Basalt tuff. Quartz-pyrite veinlets uniform @25-35° to CA. 12.70 14.00 BASALTIC DYKE: Black, very fine grained, sharp contacts @45° to CA. 14.00 15.20 Similar to 5.9-12.7m. 15.20 27.40 BASALT LAPILLI TUFF: Breccia or lapilli tuff. Matrix is pale grey with a tinge of maroon, containing 3% disseminated euhedral pyrite. Quartz-sericite altered, fine to medium grained. Fragments are dark green and pyritic, angular, and partially resorbed. Fragments are crudely aligned @45° to CA. 27.40 31.40 Pale grey, basalt ash tuff, uniform, intense sericite-quartz alteration with fine disseminated pyrite. Widespread quartz-pyrite veining @30-60° to CA. Textures are vague, similar to 5.9-12.7m.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		31.40 36.50 Basalt pyroclastic breccia. Banded, layered section. Intensely silicified, sericitized, and pyritic with secondary chlorite locally. White, pale grey, intensely pyritic.										
36.50	91.00	BASALT FLOW: SILICIFIED , WITH DISSEMINATED PYRITE Black, fine to very fine grained, amygdaloidal basalt flows, flow breccias and phreatic breccias. Crosscut by numerous quartz-pyrite veins. Pyrite is invariably coarse granular and euhedral. Amygdules are infilled with quartz-pyrite and vary in size from 1-10mm. Locally small patchs of chalcopyrite occur. Section is intensely chloritic and sericitic. 36.50 69.20 Phreatic breccia. Intensely brecciated basalt flows are fragment supported with abundant intersticial quartz. Pyrite is ubiquitous throughout. 69.20 91.00 Medium grained, dark basalt flows, feldspar phyric. Pyrite occurs as disseminations and as veinlets, up to 3-4%. Section is massive, chloritic.	R8817912 R8817913 R8817914 R8817915 R8817916 R8817917 R8817918	50.29 55.17 56.39 57.61 69.80 71.32 72.85	51.21 56.39 57.61 58.83 71.32 72.85 74.37	.91 1.22 1.22 1.22 1.52 1.52 1.52						
91.00	103.40	QUARTZ FELDSPAR PORPHYRY DYKE: Pale-grey to medium green, medium grained dacite intrusive. Large, white, zoned feldspar phenocrysts(3-8mm). Clear quartz eyes(1-4mm). Sparsely scattered. Upper contact is sharp @60° to CA. Lower contact is sharp @30° to CA.										
103.40	170.30	BASALT FLOW: CHLORITIC , WITH DISSEMINATED PYRITE Amygdaloidal, black, fine grained flows and minor flow breccia. Rocks are dark, chloritic, and pale green-grey where sericitic. Unit is pyritic throughout(5-7%). Amygdules are infilled with white quartz and pyrite. 103.40 122.50 Sheared, bleached, tan, calcite veined section. Narrower sections are intensely sheared, chloritic. Shearing @5-30° to CA. Pyrite is disseminated and veined(3%). 122.50 170.10 Dark, chloritic, pyritic, fine grained flows, amygdaloidal, massive. Pyrite(7-9%), is coarse euhedral, and occurs as, clusters, pods, veinlets, and disseminations. Weakly sericitic.	R8818962 R8818963 R8818964	154.69 156.21 157.12	156.21 157.12 158.65	1.52 .91 1.52						
170.30	171.00	SLOKO RYHOLITE DYKE: White, tan, cream, buff, banded rhyolite dyke. Banding @30° to CA. Upper contact @40° to CA. Lower contact @40° to CA.										
171.00	171.80	BASALT FLOW: Similar to 103.4-170.3m.										
171.80	172.60	SLOKO RYHOLITE DYKE: Similar to 170.3-171.2m.										
172.60	174.20	BASALT FLOW: Similar to 103.4-170.3m. Hematitic.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
174.20	178.90	SLOKO RYHOLITE DYKE: Similar to previous SRD units. Similar contact orientations. 178.00 178.90 Sheared and jointed.										
178.90	179.40	BASALT FLOW: Similar to 103.4-170.3m. Hematitic.										
179.40	179.80	SLOKO RYHOLITE DYKE: Similar to previous sections.										
179.80	187.30	BASALT FLOW: Similar to 103.4-170.3m. 179.8-182.9: hematitic. Remainder is pyritic, chloritic.										
187.30	188.80	BASALTIC DYKE: Dark green-grey, fine to medium grained, contacts irregular.										
188.80	195.10	BASALT FLOW: Massive, pyritic, dark, chloritic, amygdaloidal flows. Similar to 103.4-170.3m.	R8817919	191.57	193.09	1.52						
			R8817920	193.09	194.62	1.52						
			R8817921	194.62	195.68	1.07						
195.10	206.20	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Basaltic lapilli tuff (aquagene tuff?), medium grey to pale green, fine grained, cherty, biotitic, with abundant fine grained disseminated pyrite(10-15%). Siliceous fragments 2-10mm, cherty whisps. Brown patchs, 5-15mm, biotite alteration.	R8817922	195.68	196.60	.91						
			R8817923	196.60	198.12	1.52						
			R8817924	198.12	199.64	1.52						
			R8817925	199.64	201.17	1.52						
			R8817926	201.17	202.69	1.52						
			R8817927	202.69	204.22	1.52						
			R8817928	204.22	205.74	1.52						
			R8817929	205.74	207.26	1.52						
206.20	240.80	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Basaltic ash tuff, light grey-brown, fine grained, sericitic, pyritic, weakly cherty, thinly laminated. Pyrite 20-40% banded locally very fine grained @70-90° to CA. Scattered felsic fragments 1-4mm. 221.10 227.40 Cherty clasts and whisps, clasts vary from 1mm-5cm. Matrix is sericitic. Pyrite 5-10% very fine grained, disseminated. 227.40 240.80 Interlayered dacite ash tuff and cherty tuff, grey, fine to medium grained, intense sericite alteration. Pyrite is banded, very fine grained, whispy, and disseminated,10-12%.	R8817930	207.26	208.79	1.52						
			R8817931	208.79	210.31	1.52						
			R8817932	210.31	211.84	1.52						
			R8817933	211.84	213.36	1.52						
			R8817934	213.36	214.88	1.52						
			R8817935	214.88	216.41	1.52						
			R8817936	216.41	217.93	1.52						
			R8817937	217.93	219.46	1.52						
			R8817938	219.46	221.13	1.68						
			R8817939	221.13	222.35	1.22						
			R8817940	222.35	224.33	1.98						
			R8817941	224.33	225.86	1.52						
			R8817942	225.86	227.38	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8819739	227.38	228.90	1.52						
			R8819740	228.90	230.43	1.52						
			R8819741	230.43	231.95	1.52						
			R8819742	231.95	233.17	1.22						
			R8819743	233.17	235.00	1.83						
			R8819744	235.00	237.13	2.13						
			R8819745	237.13	238.66	1.52						
			R8819746	238.66	240.79	2.13						
			R8819747	240.79	242.01	1.22						
240.80	277.20	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Interlayered dacite ash tuff, cherty tuff, and chert. Section is sericitic and pyritic, and the cherty sections are fragmented. Pyrite is very fine grained whispy and disseminated. 240.80 264.90 Cherty tuff, weakly pyritic, sericitic, light grey. 264.90 266.10 BASALTIC DYKE: Black, massive, very fine grained. 266.50 267.90 BASALTIC DYKE: Black, massive, very fine grained. 271.90 273.90 BASALTIC DYKE: Black, massive, very fine grained. 274.60 276.10 BASALTIC DYKE: Black, massive, very fine grained, crosscut by several quartz veins. 276.10 277.20 Dacite ash tuff, cherty, pyritic(5-7%), siliceous.	R8819748	242.01	243.54	1.52						
			R8819749	243.54	245.06	1.52						
			R8819750	245.06	245.52	.46						
			R8819751	245.36	247.04	1.68						
			R8819752	246.89	249.02	2.13						
			R8819753	249.02	250.24	1.22						
			R8819754	250.24	251.76	1.52						
			R8819755	251.76	252.37	.61						
			R8819756	252.37	253.59	1.22						
			R8819757	253.59	255.12	1.52						
			R8819758	255.12	256.64	1.52						
			R8818965	256.64	258.17	1.52						
			R8818966	258.17	259.69	1.52						
			R8819759	259.69	261.21	1.52						
			R8819760	261.21	262.74	1.52						
			R8819761	262.74	264.87	2.13						
			R8819762	266.09	266.55	.46						
			R8819763	267.92	269.44	1.52						
			R8819764	269.44	270.97	1.52						
			R8819765	270.97	271.88	.91						
			R8819766	272.49	273.41	.92						
			R8819767	273.86	274.63	.76						
			R8819768	276.15	277.22	1.07						
277.20	280.90	SLOKO RYHOLITE DYKE: Pale green, buff, rhyolite dyke, very fine grained. Banding @55-60° to CA. Contacts are of similar orientation with banding.	R8819769	280.87	281.94	1.07						
280.90	293.20	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Similar to 240.8-277.2m. Medium grey-green, light felsic fragments, and dark chloritic clasts aligned with major axis @60° to CA. Clasts range in size from 1mm-4cm. Pyrite is disseminated 3-5%. Section is sericitic, and weakly biotite altered.	R8818967	281.94	283.46	1.52						
			R8819770	283.46	285.75	2.29						
			R8819771	285.75	287.12	1.37						
			R8819772	287.12	289.26	2.13						
			R8818968	289.26	290.78	1.52						
			R8819773	290.17	291.69	1.52						
			R8819774	291.69	293.22	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
293.20	360.60	BASALT FLOW BRECCIA: CHLORITIC Amygdaloidal basalt flow breccias and lesser flows. Fragmental unit, brown with cordierite porphyroblasts where cordierite/biotite altered. Varying degrees of sericite-quartz-biotite alteration. 293.20 310.30 Sericite dominant alteration. Pale grey color with odd scattered siliceous clast. Crude banding @80° to CA. Minor disseminated pyrite, and weak biotite alteration. 310.30 328.30 Brown, biotite dominant alteration. 326.4-328.3: Distinct 3-6mm cordierite porphyroblasts. 328.30 339.20 Flow breccia, light grey-green, clasts up to 6cm supported in a sericite dominant alteration matrix, weakly biotitic. 339.20 352.70 Flow breccia, coarse breccia fragments. Pyritic(4%), coarse, granular. Amygdules are quartz infilled. Brown biotite altered. 352.70 360.60 Flow breccia, similar to 328.3-339.2m.	R8819775	293.22	294.74	1.52						
			R8819776	294.74	295.81	1.07						
			R8818969	310.59	312.11	1.52						
			R8818970	312.11	313.33	1.22						
			R8818971	313.33	314.25	.91						
			R8818972	314.25	315.77	1.52						
			R8818973	315.77	317.30	1.52						
			R8818974	317.30	318.82	1.52						
			R8818975	318.82	320.35	1.52						
			R8818976	339.85	341.38	1.52						
			R8818977	341.38	342.90	1.52						
			R8818978	342.90	344.42	1.52						
			R8818979	344.42	345.95	1.52						
			R8818980	345.95	347.47	1.52						
			R8818981	347.47	349.00	1.52						
			R8818982	349.00	350.52	1.52						
360.60	369.40	BASALT FLOW: CHLORITIC Dark green, chloritic, pyritic, amygdaloidal flows. Pyrite is coarse granular, veined and disseminated coarse aggregates. In part phreatic breccia, with interstitial quartz.										
369.40		EOH										

Hole No: TCU8809
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15029.90
(metres) E: 10461.50

Azimuth: 67.0
Dip: -68.0
Length (m): 369.40
Elevation: 110.05 (metres)
Purpose: To test structure below TCU-88-2.

Core Size: BQ
Drill Name: (Underground)
Contractor: Coates Drilling Ltd.
Started: Sept. 21, 1988
Completed: Sept. 30, 1988
Recovery:

Date Logged: Sept. 22 to Oct. 1, 1988
Logged By: R.J. Aulis
Date Re-logged: Nov. 01, 1992
Re-logged By: W.D. Melnyk
Report Printed: 19 Feb, 1993 10:02pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8817912	50.29	51.21	.91		.00						20	<.4	126	50	63						
R8817913	55.17	56.39	1.22		.00						20	<.4	70	6	61						
R8817914	56.39	57.61	1.22		.00						<10	<.4	417	6	54						
R8817915	57.61	58.83	1.22		.00						<10	<.4	169	<4	51						
R8817916	69.80	71.32	1.52		.00						<10	<.4	238	<4	66						
R8817917	71.32	72.85	1.52		.00						28	<.4	2770	<4	67						
R8817918	72.85	74.37	1.52		.00						<10	<.4	624	<4	66						
R8818962	154.69	156.21	1.52		.00						28	.7	409	41	192						
R8818963	156.21	157.12	.91		.00						44	1.3	9710	14	176						
R8818964	157.12	158.65	1.52		.00						24	<.4	78	15	123						
R8817919	191.57	193.09	1.52		.00						26	<.4	23	<4	89						
R8817920	193.09	194.62	1.52		.00						<10	<.4	24	<4	90						
R8817921	194.62	195.68	1.07		.00						42	<.4	16	<4	49						
R8817922	195.68	196.60	.91		.00						180	<.4	69	16	138						
R8817923	196.60	198.12	1.52		.00						80	<.4	73	4	83						
R8817924	198.12	199.64	1.52		.00						40	<.4	47	<4	83						
R8817925	199.64	201.17	1.52		.00						86	<.4	24	<4	34						
R8817926	201.17	202.69	1.52		.00						60	<.4	34	5	41						
R8817927	202.69	204.22	1.52		.00						54	<.4	37	<4	31						
R8817928	204.22	205.74	1.52		.00						116	<.4	174	4	30						
R8817929	205.74	207.26	1.52		.00						80	.5	90	26	30						
R8817930	207.26	208.79	1.52		.00						72	1.7	1610	27	93						
R8817931	208.79	210.31	1.52		.00						60	<.4	119	29	36						
R8817932	210.31	211.84	1.52		.00						94	2.5	3130	59	57						
R8817933	211.84	213.36	1.52		.00						116	1.4	521	94	155						
R8817934	213.36	214.88	1.52		.00						100	1.5	531	81	91						
R8817935	214.88	216.41	1.52		.00						32	<.4	62	30	55						
R8817936	216.41	217.93	1.52		.00						20	<.4	45	11	56						
R8817937	217.93	219.46	1.52		.00						20	<.4	96	15	113						
R8817938	219.46	221.13	1.68		.00						28	<.4	81	19	27						
R8817939	221.13	222.35	1.22		.00						32	<.4	22	11	17						
R8817940	222.35	224.33	1.98		.00						22	<.4	44	12	33						

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8817941	224.33	225.86	1.52		.00						34	<.4	28	13	22						
R8817942	225.86	227.38	1.52		.00						<10	<.4	30	5	22						
R8819739	227.38	228.90	1.52		.00						20	<.4	23	16	86						
R8819740	228.90	230.43	1.52		.00						22	<.4	35	<4	58						
R8819741	230.43	231.95	1.52		.00						20	<.4	31	15	46						
R8819742	231.95	233.17	1.22		.00						<10	<.4	27	14	58						
R8819743	233.17	235.00	1.83		.00						<10	1.2	40	11	63						
R8819744	235.00	237.13	2.13		.00						24	3.0	44	22	93						
R8819745	237.13	238.66	1.52		.00						142	16.1	136	113	96						
R8819746	238.66	240.79	2.13		.00						20	.9	39	28	48						
R8819747	240.79	242.01	1.22		.00						20	<.4	22	14	65						
R8819748	242.01	243.54	1.52		.00						28	.9	616	23	86						
R8819749	243.54	245.06	1.52		.00						<10	<.4	34	15	62						
R8819750	245.06	245.52	.46		.00						26	.5	94	11	20						
R8819751	245.36	247.04	1.68		.00						20	.6	396	13	83						
R8819752	246.89	249.02	2.13		.00						<10	<.4	41	7	92						
R8819753	249.02	250.24	1.22		.00						<10	<.4	71	7	53						
R8819754	250.24	251.76	1.52		.00						<10	<.4	112	<4	39						
R8819755	251.76	252.37	.61		.00						<10	<.4	323	<4	55						
R8819756	252.37	253.59	1.22		.00						<10	<.4	184	<4	52						
R8819757	253.59	255.12	1.52		.00						20	<.4	40	<4	104						
R8819758	255.12	256.64	1.52		.00						20	<.4	32	5	170						
R8818965	256.64	258.17	1.52		.00						140	2.2	70	22	111						
R8818966	258.17	259.69	1.52		.00						356	11.9	109	46	32						
R8819759	259.69	261.21	1.52		.00						180	5.2	45	19	49						
R8819760	261.21	262.74	1.52		.00						140	1.7	71	24	25						
R8819761	262.74	264.87	2.13		.00						40	.8	34	8	57						
R8819762	266.09	266.55	.46		.00						20	<.4	125	<4	24						
R8819763	267.92	269.44	1.52		.00						<10	<.4	256	<4	37						
R8819764	269.44	270.97	1.52		.00						<10	<.4	171	<4	37						
R8819765	270.97	271.88	.91		.00						62	.4	30	<4	68						
R8819766	272.49	273.41	.92		.00						40	<.4	25	<4	38						
R8819767	273.86	274.63	.76		.00						1484	11.7	168	11	68						
R8819768	276.15	277.22	1.07		.00						40	<.4	35	5	26						
R8819769	280.87	281.94	1.07		.00						26	<.4	140	<4	37						
R8818967	281.94	283.46	1.52		.00						54	<.4	47	9	16						
R8819770	283.46	285.75	2.29		.00						<10	<.4	58	<4	27						
R8819771	285.75	287.12	1.37		.00						28	.6	665	<4	47						
R8819772	287.12	289.26	2.13		.00						20	<.4	206	<4	36						
R8818968	289.26	290.78	1.52		.00						20	<.4	379	6	34						
R8819773	290.17	291.69	1.52		.00						20	<.4	52	<4	15						
R8819774	291.69	293.22	1.52		.00						<10	<.4	62	<4	12						
R8819775	293.22	294.74	1.52		.00						<10	<.4	460	<4	44						
R8819776	294.74	295.81	1.07		.00						<10	<.4	489	<4	24						
R8818969	310.59	312.11	1.52		.00						24	<.4	134	4	82						
R8818970	312.11	313.33	1.22		.00						26	<.4	84	5	90						
R8818971	313.33	314.25	.91		.00						40	<.4	1220	<4	135						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8818972	314.25	315.77	1.52		.00						40	<.4	607	<4	74						
R8818973	315.77	317.30	1.52		.00						20	<.4	731	<4	87						
R8818974	317.30	318.82	1.52		.00						20	<.4	149	<4	99						
R8818975	318.82	320.35	1.52		.00						<10	<.4	402	<4	57						
R8818976	339.85	341.38	1.52		.00						26	<.4	183	7	75						
R8818977	341.38	342.90	1.52		.00						48	<.4	89	6	52						
R8818978	342.90	344.42	1.52		.00						40	<.4	1370	<4	66						
R8818979	344.42	345.95	1.52		.00						<10	<.4	999	<4	64						
R8818980	345.95	347.47	1.52		.00						<10	<.4	2060	<4	76						
R8818981	347.47	349.00	1.52		.00						<10	<.4	2510	<4	73						
R8818982	349.00	350.52	1.52		.00						24	<.4	751	<4	61						

TCU-8810

Hole No: TCU8810
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14922.20
(metres) E: 10148.40

Azimuth: 54.0
Dip: -55.0
Length (m): 227.70
Elevation: 108.90
(metres)

Core Size: BQ
Drill Name: (Underground)
Contractor: Coates Drilling Ltd.
Started: Oct. 01, 1988
Completed: Oct. 05, 1988
Recovery:

Purpose: To intersect the mineral horizon associated with the 'F' zone.

Date Logged: Oct. 01, 1988
Logged By: E.A. Dembicki
Date Re-logged: Nov. 02, 1992
Re-logged By: W.D. Melnyk
Report Printed: 9 Feb, 1993 4:20am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	54.0	-55.0															
30.5		-54.0	91.4	49.0	-54.0	152.4	49.0	-52.0	225.6	49.0	-51.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	50.70	DACITE INTRUSIVE: CHLORITIC Light green, fine grained, massive, equigranular, dacite intrusive. Weakly chloritic, locally coarser grained sections. Pyroxene and hornblend porphyritic. Minor quartz-chlorite veining at acute angles to core axis(5-10°).										
50.70	61.00	FAULT Intensely shattered, sheared and broken section. Abundant Fe-oxides along joints sub-parallel with core axis. Abundant calcite healed fractures.										
61.00	180.00	DACITE INTRUSIVE: CHLORITIC Dacite intrusive, fine grained. Similar to 0.0 to 50.7m. Abundant calcite healed fractures. 167.60 180.00 Biotite altered, brown tinge.	R8818983	179.98	181.36	1.37						
180.00	193.70	DACITE LAPILLI TUFF: CHLORITIC Light to medium green, layered. White felsic clasts hosted in a dark green-grey chloritic groundmass. Cherty whisps and clasts throughout unit. Layering @60-70° to CA. Minor sericite-silica alteration. Minor disseminated pyrite(1%). Patchy epidote alteration throughout. 191.40 193.70 Fine grained section, whispy thin dark, chloritic fragments, and 1-2mm felsic fragments in a pale sericite altered matrix.	R8818984	181.36	182.88	1.52						
			R8818985	182.88	184.40	1.52						
			R8818986	184.40	185.93	1.52						
			R8818987	185.93	187.45	1.52						
			R8818988	187.45	188.98	1.52						
			R8818989	188.98	190.50	1.52						
			R8818990	190.50	191.41	.91						
			R8818991	191.41	192.63	1.22						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8818992	192.63	193.70	1.07						
193.70	227.70	BASALT FLOW: PROPYLITIC										
		Fine grained basalt flows and flow breccias, dark green and black.	R8818993	193.70	195.07	1.37						
		Amygdaloidal, with quartz and chlorite infillings. Massive.	R8818994	195.07	196.75	1.68						
		204.50 205.60 Pale green, sericite and pyrite altered. Contacts are gradational. Quartz amygdules vary in size from 1 to 4mm.	R8818995	196.75	198.12	1.37						
			R8818996	198.12	199.64	1.52						
		212.10 Jasper, epidote, quartz clot, 4cm.	R8818997	221.59	223.11	1.52						
		214.60 215.00 Two small jasper patchs, 2cm diameter.	R8818998	223.11	224.64	1.52						
		219.50 220.10 Broken section, gouge at 220.1m, orientation of shear unknown.	R8818999	224.64	226.16	1.52						
			R8819000	226.16	227.69	1.52						
		221.60 227.70 Very fine grained pyrite as fracture infillings.										
227.70		EOH										

Hole No: TCU8810
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14922.20
(metres) E: 10148.40

Azimuth: 54.0
Dip: -55.0
Length (m): 227.70
Elevation: 108.90
(metres)
Purpose: To intersect the mineral horizon associated with the 'F' zone.

Core Size: BQ
Drill Name: (Underground)
Contractor: Coates Drilling Ltd.
Started: Oct. 01, 1988
Completed: Oct. 05, 1988
Recovery:

Date Logged: Oct. 01, 1988
Logged By: E.A. Dembicki
Date Re-logged: Nov. 02, 1992
Re-logged By: W.D. Melnyk
Report Printed: 19 Feb, 1993 10:02pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	C ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8818983	179.98	181.36	1.37		.00						<10	<.4	50	<4	47						
R8818984	181.36	182.88	1.52		.00						<10	<.4	17	9	55						
R8818985	182.88	184.40	1.52		.00						<10	<.4	29	7	40						
R8818986	184.40	185.93	1.52		.00						<10	<.4	22	11	51						
R8818987	185.93	187.45	1.52		.00						<10	<.4	38	6	45						
R8818988	187.45	188.98	1.52		.00						<10	<.4	12	6	48						
R8818989	188.98	190.50	1.52		.00						<10	<.4	12	13	54						
R8818990	190.50	191.41	.91		.00						<10	<.4	16	<4	35						
R8818991	191.41	192.63	1.22		.00						<10	<.4	23	5	61						
R8818992	192.63	193.70	1.07		.00						<10	<.4	77	7	66						
R8818993	193.70	195.07	1.37		.00						<10	<.4	80	<4	101						
R8818994	195.07	196.75	1.68		.00						<10	<.4	90	8	126						
R8818995	196.75	198.12	1.37		.00						<10	<.4	99	<4	84						
R8818996	198.12	199.64	1.52		.00						<10	<.4	90	<4	93						
R8818997	221.59	223.11	1.52		.00						140	.8	62	21	85						
R8818998	223.11	224.64	1.52		.00						92	.7	66	12	76						
R8818999	224.64	226.16	1.52		.00						72	.4	282	24	110						
R8819000	226.16	227.69	1.52		.00						40	<.4	111	17	93						

TCU-8811

Hole No: TCU8811
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14922.20
(metres) E: 10148.40

Azimuth: 72.0
Dip: -54.0
Length (m): 201.80
Elevation: 108.90
(metres)
Purpose:

Core Size: BQ
Drill Name: (Underground)
Contractor:
Started: Oct. 06, 1988
Completed: Oct. 09, 1988
Recovery:

Date Logged: Oct. 08, 1988
Logged By: E.A. Dembicki
Date Re-logged: Nov. 02, 1992
Re-logged By: W.D. Melnyk
Report Printed: 9 Feb, 1993 4:21am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	72.0	-54.0												
30.5	70.0	-52.0	91.4		-51.0	152.4	70.0	-48.5	195.1		-46.5			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.90	CASING										
.90	145.10	DACITE INTRUSIVE: CHLORITIC Fine to medium grained, pale green-yellow to medium green felsic intrusive rock. Massive, uniform, abundant calcite healed fractures. Locally slightly darker and coarser grained amphibole phyric(1-2mm). 24.10 29.60 Moderately broken, most joints are limonitic @45° to CA. 38.10 42.70 Moderately fractured, most joints are limonitic.										
145.10	153.80	DACITE LAPILLI TUFF: CHLORITIC Grey, dark green, and pink. White felsic fragments(1-4mm) and feldspar crystals. Matrix is medium to dark green, chloritic. Pink, cherty hematitic bands. Creamy-yellow very fine grained siliceous patchs. Epidote alteration. Bedding @80° to CA.	R8819572 R8819573	152.10 153.77	153.77 155.45	1.68 1.68						
153.80	159.10	DACITE ASH TUFF: SERICITIC Pale tan-white, fine grained unit, thinly laminated @45° to CA, with cherty bands and sericitic whisps. No sulphides. Siliceous clasts or cherty fragments(2-4mm). Uniform.	R8819574 R8819575 R8819576	155.45 156.97 158.50	156.97 158.50 159.11	1.52 1.52 .61						
159.10	166.10	DACITE LAPILLI TUFF: CHLORITIC Dark green, layered, abundant white felsic fragments (2-8mm) scattered throughout. Uniform massive unit. Trace pyrite is fracture-related. Chloritic.	R8819577 R8819578 R8819579	159.11 160.63 162.15	160.63 162.15 163.68	1.52 1.52 1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8819580	163.68	165.20	1.52						
			R8819581	165.20	166.12	.91						
166.10	201.80	BASALT FLOW: CHLORITIC Footwall basalt amygdaloidal flows, flow breccias and minor interflow tuff. Black and dark green, massive, fine grained, quartz and carbonate infilled amygdules commonly 2-3mm, but occasionally up to 7mm. 169.80 171.90 Jasper interflow infilling, with abundant epidote, quartz and chlorite. 175.00 175.90 Shear; bleached, pyritic.	R8819582	173.43	174.96	1.52						
			R8819583	174.96	175.87	.91						
			R8819584	175.87	177.39	1.52						
201.80		EOH										

Hole No: TCU8811
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14922.20
(metres) E: 10148.40

Azimuth: 72.0
Dip: -54.0
Length (m): 201.80
Elevation: 108.90
(metres)
Purpose:

Core Size: BQ
Drill Name: (Underground)
Contractor:
Started: Oct. 06, 1988
Completed: Oct. 09, 1988
Recovery:

Date Logged: Oct. 08, 1988
Logged By: E.A. Dembicki
Date Re-logged: Nov. 02, 1992
Re-logged By: W.D. Melnyk
Report Printed: 19 Feb, 1993
10:02pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8819572	152.10	153.77	1.68		.00						<10	<.4	23	<4	104						
R8819573	153.77	155.45	1.68		.00						<10	<.4	11	<4	53						
R8819574	155.45	156.97	1.52		.00						<10	<.4	9	<4	61						
R8819575	156.97	158.50	1.52		.00						<10	<.4	19	<4	49						
R8819576	158.50	159.11	.61		.00						24	<.4	176	4	141						
R8819577	159.11	160.63	1.52		.00						<10	.5	22	<4	66						
R8819578	160.63	162.15	1.52		.00						<10	<.4	27	<4	88						
R8819579	162.15	163.68	1.52		.00						<10	<.4	21	<4	65						
R8819580	163.68	165.20	1.52		.00						<10	<.4	28	<4	69						
R8819581	165.20	166.12	.91		.00						<10	<.4	37	<4	75						
R8819582	173.43	174.96	1.52		.00						78	<.4	33	5	73						
R8819583	174.96	175.87	.91		.00						<10	<.4	56	<4	98						
R8819584	175.87	177.39	1.52		.00						<10	<.4	74	<4	108						

TCU89-12

Hole No: TCU89-12
April 18, 1990

Client: REDFERN RESOURCES LTD.

Property: Tulsequah Chief

Claim:

Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 143.8

Dip: -65.3

Length (m): 359.70

Elevation: 112.81
(metres)

Purpose:

Core Size: BQ-2

Drill Name:
Contractor:

Started: Aug. 10, 1989
Completed: Aug. 17, 1989
Recovery:

Date Logged: Aug. 11, 1989 - revised

Logged By: E. Dembicki

Date Re-logged: Oct. 28, 1992
Re-logged By: W.D. Melnyk

Report Printed: 9 Feb, 1993
4:21am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	143.8	-65.3															
91.4	137.0	-66.0	182.9		-65.5	274.3	137.0	-66.0	350.5		-66.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.90	CASING										
.90	10.30	DACITE FLOW: PROPYLITIC Maroon, weakly feldspar phyric, siliceous massive, flow and flow breccia. Abundant chlorite, calcite healed fractures with albite alteration halos. 8.40 9.30 Intensely sheared @45° to CA. Calcite healed, bleached.										
10.30	14.30	DACITE LAPILLI TUFF: CHLORITIC Dark green-grey, uniform pyroclastic or clastic volcanic rock, white siliceous fragments to 4mm, maroon and chloritic fragments <3mm, massive.										
14.30	82.30	DACITE FLOW: CHLORITIC Maroon and green, feldspar phyric(1-3mm), felsic flows and lesser flow breccias, crosscut by numerous chlorite-magnetite veinlets with distinct bleached albite halos @25° and 60° to CA. 30.00 37.40 BASALTIC DYKE: Dark green, medium grained. Upper contact sub-parallel with core axis. 38.70 39.40 BASALTIC DYKE: Dark green, fine grained. Upper contact @30° to CA. Lower contact @45° to CA. 64.20 66.60 BASALTIC DYKE: Dark green, very fine grained, massive. Contacts sharp @30° to CA. 69.90 70.60 BASALTIC DYKE: Dark green, very fine grained, massive.										
82.30	88.00	DACITE LAPILLI TUFF: PROPYLITIC										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		Grey to medium green, chloritic, layered, non-phyric. Clasts consist of felsic maroon, felsic grey, and green chloritic, ranging in size from 5 to 20mm. Crude layering @60° to CA. Minor quartz-chlorite-epidote veining @60° to CA. Lower contact is sharp @75° to CA.										
88.00	242.30	BASALT UNDIFFERENTIATED: CHLORITIC Light to medium green, medium grained, feldspar and pyroxene phyric(1-2mm). Massive, homogenous. Virtually no veining. Upper contact is intrusive, crosscuts chlorite-albite altered veinlets. 88.10 97.50 Blocky, jointed, sheared, locally minor gouge, main shear orientation @15° to CA. 97.50 182.30 Short sections(10-30cm), are silicified±albite altered. Brown, biotite altered sections. Locally coarse grained(3-4mm) feldspar crystals. 182.30 186.80 Intensely sheared and jointed section, quartz-calcite healed section from 183.2-183.9m. Major shear orientation @20-30° to CA.										
242.30	242.70	SLOKO RYHOLITE DYKE: Pale, light-green-tan-cream rhyolite, very fine grained, banded dyke. Lower contact @30° to CA.										
242.70	245.10	BASALT UNDIFFERENTIATED: Similar to 88.0-242.3m. Black, hornfelsed, very fine grained.										
245.10	247.70	SLOKO RYHOLITE DYKE: Pale green-tan-cream, rhyolite, fine grained, banded dyke. Banding @20° to CA. Contacts are crushed. Shearing within dyke @30° to CA. Minor gypsum.										
247.70	264.90	BASALT UNDIFFERENTIATED: Similar to 88.0-242.3m. Fine grained, green to dark green and black, massive. 257.0-257.6; Calcite healed shear, sub-parallel to CA.										
264.90	278.60	DACITE FLOW BRECCIA: CHLORITIC Dark grey-green chloritic felsic unit, crudely layered, lighter sections are albite altered. 278.30 281.60 Intensely silicified, albitized, and sheared. Mainly white and pale-green. Dark green chlorite along numerous fracture surfaces.	R8916024 R8916025 R8916026	274.93 276.45 277.98	276.45 277.98 279.50	1.52 1.52 1.52						
278.60	280.60	FAULT Intensely sheared and fractured, dark chlorite along fracture surfaces, major shear direction parallel to CA. Crenulated and ground core @278.6 and 279.5m. Occasional round, sulphide rich(1-2cm) pebble.	ZA0 R8916027	279.50 279.50	285.14 281.48	5.64 1.98	.00	.24	.04	.26	1.34	
280.60	281.60	DACITE FLOW BRECCIA:										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		Same as 264.9-278.6m.	R8916028	281.48	282.40	.91	.01	.54	1.29	.22	2.25	
281.60	285.10	ZINC FACIES: SERICITIC , WITH BANDED SPHALERITE Zinc facies exhalite, well mineralized. Cherty dacite ash tuff, sericitic. Finely laminated sulphides, to massive over short sections. Sphalerite is banded, light brown, galena is disseminated, pyrite is disseminated, banded and locally massive over short intervals(10-20cm). Bedding good @60-70° to CA. Late crosscutting chalcopyrite veinlets. Top contact is indefinite, bottom is sharp @60° to CA. Sulphide estimate; 10% sphalerite, 2% galena, 1% chalcopyrite, 30% pyrite.	R8916029 R8916030	282.40 283.77	283.77 285.14	1.37 1.37	.06 .04	2.19 1.44	2.70 2.40	.62 .51	4.90 3.70	
285.10	359.70	BASALT FLOW: CHLORITIC Black to dark green, very fine grained, massive, amygdaloidal basalt flows and interbedded ash tuffs. 285.80 286.00 BASALT FLOW BRECCIA: Basalt flow breccia, feldspar phyric, chlorite veinlets. 288.70 289.10 BASALT FLOW BRECCIA: Feldspar phyric. 295.10 296.00 BASALT FLOW BRECCIA: Basalt flow breccia, feldspar phyric, silicified, maroon, chlorite veinlets. 300.40 300.70 Quartz-chlorite healed flow breccia. 303.30 305.10 Sheared, broken ground, chloritic, minor gouge, shearing @30° to CA. 306.30 313.90 Sheared section, broken, crackled. 309.2-310.1: Quartz-pyrite veinlets, sericitic, silicified, bleached, minor chalcopyrite. 316.70 322.50 Black, very fine grained, massive, cut by chlorite veinlets with narrow albite alteration halos. 325.20 326.60 Sheared, albite altered, bleached. 326.60 359.70 Black to dark-grey feldspar phyric flows. Narrow zones from 20 to 40cm, quartz-albite-epidote alteration. Feldspar crystals(1-2mm), are clustered and patchy. Altered sections are associated with shearing @30-45° to CA.	R8916031 R8916032 R8916033 R8916034 R8916035 R8916036	285.14 286.51 288.04 289.56 291.08 309.22	286.51 288.04 289.56 291.08 292.61 310.13	1.37 1.52 1.52 1.52 1.52 .91						
359.70		EOH										

Hole No: TCU89-12
April 18, 1990

Client: REDFERN RESOURCES LTD.

Property: Tulsequah Chief

Claim:

Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 143.8

Dip: -65.3

Length (m): 359.70

Elevation: 112.81
(metres)

Purpose:

Core Size: BQ-2

Drill Name:

Contractor:

Started: Aug. 10, 1989
Completed: Aug. 17, 1989

Recovery:

Date Logged: Aug. 11, 1989 - revised

Logged By: E. Dembicki

Date Re-logged: Oct. 28, 1992
Re-logged By: W.D. Melnyk

Report Printed: 19 Feb, 1993
10:02pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8916024	274.93	276.45	1.52		.00						<10	<.4	25	10	110						
R8916025	276.45	277.98	1.52		.00						<10	<.4	26	14	104						
R8916026	277.98	279.50	1.52		.00						82	1.6	332	197	349						
R8916027	279.50	281.48	1.98		10.63	.00	.21	.04	.26	1.34	64	7.3	373	2630	>11300						
R8916028	281.48	282.40	.91	3.09	36.40	.01	.48	1.29	.22	2.25	458	18.0	>11200	2370	>19800						
R8916029	282.40	283.77	1.37	3.48	92.51	.05	1.96	2.70	.62	4.90	1892	65.7	>30700	6870	>58600		469		122		
R8916030	283.77	285.14	1.37	3.60	71.16	.03	1.28	2.40	.51	3.70	1270	41.2	>22700	5060	>34000						
R8916031	285.14	286.51	1.37		.00						38	1.2	1120	108	816						
R8916032	286.51	288.04	1.52		.00						<10	<.4	128	19	114						
R8916033	288.04	289.56	1.52		.00						<10	.4	84	20	84						
R8916034	289.56	291.08	1.52		.00						<10	.4	86	12	115						
R8916035	291.08	292.61	1.52		.00						<10	<.4	71	20	97						
R8916036	309.22	310.13	.91		.00						68	13.5	2140	50	341						

TCU89-13

Hole No: TCU89-13
revision April 18, 1990

Client: REDFERN RESOURCES LTD.

Property: Tulsequah Chief

Claim:

Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 178.9
Dip: -70.5
Length (m): 475.18
Elevation: 112.85
(metres)

Core Size: BQ-2
Drill Name: (UNDERGROUND)
Contractor: COATES DIAMOND DRILLING LTD.
Started: AUGUST 18, 1989
Completed: AUGUST 27, 1989
Recovery:

Purpose: To test H and AB horizons between 4000-4250, mine elevations

Date Logged: August 19-28, 1989
Logged By: Huge (E.A. Dembicki ?)
Date Re-logged: July 29-30, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:21am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	178.9	-70.5															
91.4		-71.5	182.9	176.0	-71.5	274.3	176.0	-71.5	365.8	173.0	-71.0	457.2	168.0	-71.0			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.61	CASING										
.61	106.30	DACITE FLOW: Light to medium grey, feldspar porphyritic dacite with <10% milky white feldspar phenocrysts, ~2mm dia.; occasional quartz eyes, 1-2mm dia.; colour variation due to mottling of alteration; cut by minor (<2%) quartz-epidoite- chlorite veinlets; local minor breccia zones; non-magnetic. 10.67 11.45 FAULT Pale green clay-chlorite altered; shearing at 35-45° to core axis; gouge at 11.0 to 11.1 m. 15.60 19.80 BASALTIC DYKE: Dark green to dark grey, fine-grained homogeneous dyke with quartz-epidote veining; upper contact sharp at 45° to core axis; lower contact sharp but irregular; moderately magnetic. 28.15 29.55 BASALTIC DYKE: Same as above dyke; upper contact sharp & irregular; lower contact sharp at 65° to core axis. 30.12 33.80 BASALTIC DYKE: Same as above dyke; upper contact at 35° to core axis; lower contact at 60° to core axis. 61.85 63.50 BASALTIC DYKE: Same as above dyke; upper contact sharp at 30° to core axis; lower contact sharp at 35° to core axis. 67.15 68.43 BASALTIC DYKE: Same as above dyke; upper contact sharp and irregular; lower contact sharp at 40° to core axis. 70.40 71.40 BASALTIC DYKE: Same as above dyke; upper contact sharp at 35° to core axis; lower contact sharp at 40° to core axis.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		79.05 106.30 DACITE FLOW: Pinkish grey to grey, cyclical dacite flows, rare quartz-eyes, feldspar porphyritic flows with gradational change upwards to fine-grained, homogeneous flow tops; moderate albitization with weak hematization; flow boundaries are sharp and brecciated.										
106.30	287.35	BASALT UNDIFFERENTIATED: Dark green, fine-grained basaltic interval; generally homogeneous with local pale green feldspar phenocrysts (plag., 5-10%, 1-2mm); local zones of green-grey-blue cordierite(?) porphyroblasts (1-2mm); feldspar phyric zone disappears gradually by 160m; rare quartz-epidote-albite zoned fractures; weak to moderate chlorite alteration is pervasive. Rare chlorite replaced amphibole phyric zones from 175m to 277m. Possible internal tuffaceous layers <0.5m thick in lower half of interval.										
		123.50 125.72 BASALT LAPILLI TUFF: Dark green, chloritic, with foliation at 20° to core axis.										
		134.15 134.25 FAULT Chloritic, sericitic clay altered shear zone at 10° to core axis; true thickness approx. 2cm.										
		180.50 180.90 FAULT Brecciated zone of white clay-quartz matrix supporting angular chloritic andesite fragments; zone at 25-27° to core axis; true thickness approx. 12-15cm.										
		238.15 238.60 Bleached zone; moderate clay altered, gradational with wallrock.										
		279.95 280.00 Zone of blue-green clay alteration (sericite?) with 2-5% pyrite, trace chalcopyrite.										
		287.34 287.35 Lower contact sharp at 45° to core axis; very fine grained and dark green to black.										
287.35	364.85	DACITE FLOW: Similar to earlier interval from 0.61m to 106.3m. Variably coloured light to medium grey to pale buff-greenish where altered; colouring is mottled due to alteration; milky white feldspar phenocrysts throughout (5-10%, 1-3mm); occasional quartz-eyes <2mm; local coarse flow-banding or foliation between 10° to 40° to core axis. Rare zoned fractures with chlorite core, epidote selvage, albite flooding. Occasional flow-breccia zones with sub-rounded lapilli-size fragments and rare breccia-size fragments, all have feldspar phenocrysts; matrix locally chloritic. Interval cut by chlorite fractures randomly oriented throughout. Increasing number of epidote-albite fractures +/- chlorite in lower 7m of interval.	R8917138	364.85	366.37	1.52						
364.85	372.15	DACITE LAPILLI TUFF: Medium to dark grey fragmental with vague textural alignment at 30° to 45° to core axis; fragments generally elongate; 2-5% whitish quartz fragments, subrounded; approx. 5% feldspar phyric fragments with quartz eyes similar to above unit; pervasive weak to moderate sericite alteration; non-magnetic.	R8917139	366.37	367.89	1.52						
			R8917140	367.89	369.42	1.52						
			R8917141	369.42	370.94	1.52						
			R8917115	370.94	372.47	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		365.45 365.55, With MASSIVE PYRITE 40-50% round, 1-2mm pyrite grains (framboidal?).										
		370.70 371.10 Pale greenish, strong sericite-chlorite alteration, gradational with surrounding rock.										
372.15	391.90	ZINC FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE										
		Olive green grey, strong to intense sericite altered dacite to rhyolite tuff with 20-30% disseminated pyrite along foliation; trace quartz-eyes; interval is generally contorted; occasional off-white chert fragments indicate debris flow; trace white barite fragments; 10-15% sphalerite (buff grey to yellow olive-green colour), 2-5% chalcopyrite, 1-3% galena, trace tetrahedrite?; local micro-folds.	R8917116	372.47	373.38	.91						
		375.00 375.25, With MASSIVE PYRITE 50-75% pyrite, disseminated to massive.	R8917117	373.38	374.90	1.52	.03	.60	.31	.31	1.78	
		380.88 380.96, With MASSIVE PYRITE Massive band of fine-grained pyrite, 90%.	ZAP	374.90	391.67	16.77						
		382.15 382.25, With MASSIVE PYRITE Same as above.	R8917118	374.90	376.43	1.52	.11	3.61	.99	1.32	7.10	
		382.60 382.70, With MASSIVE PYRITE Same as above.	R8917119	376.43	377.95	1.52	.06	2.57	.71	1.38	7.70	
			R8917120	377.95	379.48	1.52	.16	6.30	2.04	2.04	9.10	
			R8917121	379.48	381.00	1.52	.03	2.63	1.03	1.47	5.40	
			R8917122	381.00	382.52	1.52	.10	4.29	1.36	2.41	8.60	
			R8917123	382.52	384.05	1.52	.08	2.70	1.00	1.20	5.20	
			R8917124	384.05	385.57	1.52	.07	2.79	1.35	1.61	7.20	
			R8917125	385.57	387.10	1.52						
			R8917126	387.10	388.62	1.52	.06	1.72	.93	1.83	5.60	
			R8917127	388.62	389.84	1.22	.09	3.12	.65	1.25	4.50	
			R8917128	389.84	391.67	1.83	.06	.98	.62	.37	1.75	
			R8917142	391.67	393.50	1.83						
391.90	432.20	DACITE LAPILLI TUFF: , WITH DISSEMINATED PYRITE										
		Variably coloured light to dark grey, dominantly dacite lapilli tuff with local ash tuff zones and tuff breccia zones; variably sericitic +/- silicification; disseminated pyrite from 2-20%, local minor chalcopyrite and red brown sphalerite, trace galena.	R8917143	393.50	395.02	1.52						
		402.80 407.20 Pale grey to pale green-grey strong quartz veined, silicified- albitized; 2% pyrite; trace specular hematite.	R8917144	395.02	396.55	1.52						
		415.50 421.80 Debris flow, local pyrite fragments; 5-20% disseminated to massive pyrite throughout; local masses of sphalerite, disseminated galena, and chalcopyrite veinlets; quartz amygdaloidal and/or quartz-eye(?) rich, locally up to 50%.	R8917145	396.55	398.43	1.89						
			R8917146	398.43	399.78	1.34						
			R8917753	399.78	401.42	1.65						
			R8917754	401.42	402.70	1.28						
			R8917755	402.70	404.17	1.46						
			R8917756	404.17	405.69	1.52						
			R8917757	405.69	407.06	1.37						
			R8917758	407.06	408.43	1.37						
			R8917759	408.43	409.96	1.52						
			R8917760	409.96	411.48	1.52						
			R8917761	411.48	413.00	1.52						
			R8917762	413.00	414.53	1.52						
			R8917763	414.53	416.05	1.52	.00	.05	.02	.02	.39	
			253	414.53	421.23	6.70						
			R8917764	416.05	417.58	1.52	.01	.15	.09	<.01	.98	
			R8917765	417.58	419.10	1.52	.01	.09	.07	<.01	.45	
			R8917766	419.10	420.59	1.49	.01	.23	.40	<.01	.84	
			R8917767	420.59	421.23	.64	.01	.52	1.32	.01	3.18	
			R8917768	421.23	422.76	1.52						
			R8917769	422.76	424.28	1.52						
			R8917770	424.28	425.81	1.52						
			R8917771	425.81	427.33	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8917772	427.33	428.85	1.52						
			R8917773	428.85	430.38	1.52						
			R8917774	430.38	432.36	1.98						
432.20	463.00	BASALT FLOW: SERICITIC , WITH DISSEMINATED PYRITE Dark grey to medium grey with local quartz amygdules up to 5%, generally fine-grained with up to 5-10% lapilli-sized fragments; weak sericitic altered; trace to 2% fine disseminated pyrite throughout. 451.60 456.90 Buff grey to olive-green bleached zone, minor quartz veinlets; 2-5% disseminated and veinlets of pyrite and chalcopyrite.	R8917775	432.36	434.34	1.98						
			R8917776	434.34	435.86	1.52						
			R8917777	435.86	437.39	1.52						
			R8917778	437.39	438.91	1.52						
			R8917779	438.91	440.44	1.52						
			R8917780	440.44	441.96	1.52						
			R8917781	441.96	443.48	1.52						
			R8917782	443.48	445.01	1.52						
			R8917783	445.01	446.53	1.52						
			R8917784	446.53	448.06	1.52						
			R8917785	448.06	449.58	1.52						
			R8917786	449.58	451.10	1.52						
			R8917787	451.10	452.63	1.52						
			R8917788	452.63	454.15	1.52						
			R8917789	454.15	455.37	1.22						
			R8917790	455.37	456.96	1.58						
			R8917791	456.96	458.72	1.77						
			R8917792	458.72	460.25	1.52						
463.00	475.18	BASALT LAPILLI TUFF: Medium to dark grey silicified(?) basalt lapilli tuff; fine mottled texture of fragments; local fiame, possibly welded; possible collapsed vesicles; trace pyrite.										
475.18		EOH										

Hole No: TCU89-13
April 18, 1990

Client: REDFERN RESOURCES LTD.

Property: Tulsequah Chief

Claim:

Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 178.9

Dip: -70.5

Length (m): 475.18

Elevation: 112.85
(metres)

Purpose: To test H and AB horizons between 4000-4250, mine elevations

Core Size: BQ-2

Drill Name: (UNDERGROUND)
Contractor: COATES DIAMOND DRILLING LTD.

Started: AUGUST 18, 1989
Completed: AUGUST 27, 1989
Recovery:

Date Logged: August 19-28, 1989 - revision

Logged By: Huge (E.A. Dembicki ?)

Date Re-logged: July 29-30, 1992
Re-logged By: D.J. HARRISON

Report Printed: 19 Feb, 1993
10:02pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8917138	364.85	366.37	1.52		.00						78	1.0	187	106	655						
R8917139	366.37	367.89	1.52		.00						<10	<.4	22	5	221						
R8917140	367.89	369.42	1.52		.00						<10	<.4	32	<4	241						
R8917141	369.42	370.94	1.52		.00						<10	.5	35	5	436						
R8917115	370.94	372.47	1.52		.00						<10	1.0	111	50	370						
R8917116	372.47	373.38	.91		.00						180	9.0	828	948	4820						
R8917117	373.38	374.90	1.52		27.71	.03	.54	.31	.31	1.78	588	19.3	3270	2840	>15600						
R8917118	374.90	376.43	1.52	3.82	108.98	.10	3.23	.99	1.32	7.10	2720	>102.0	9580	>11800	>71700						
R8917119	376.43	377.95	1.52	3.34	90.16	.05	2.29	.71	1.38	7.70	1192	85.9	7110	>11100	>73400						
R8917120	377.95	379.48	1.52	3.71	160.35	.14	5.63	2.04	2.04	9.10	5420	>186.0	>19600	>17900	>91000						
R8917121	379.48	381.00	1.52	3.84	70.83	.03	2.35	.93	1.47	5.40	1812	85.1	9260	>12600	>50300						
R8917122	381.00	382.52	1.52	3.63	124.94	.09	3.83	1.36	2.41	8.60	2600	>143.0	>10800	>22700	>74600						
R8917123	382.52	384.05	1.52	3.41	83.49	.07	2.41	1.00	1.20	5.20	1960	80.3	9000	>11000	>54400						
R8917124	384.05	385.57	1.52	3.47	99.26	.06	2.49	1.35	1.61	7.20	1792	89.9	>12900	>13500	>82200						
R8917125	385.57	387.10	1.52	3.16	.00						280	8.6	1310	1650	7350						
R8917126	387.10	388.62	1.52	3.44	79.36	.06	1.54	.93	1.83	5.60	2520	56.0	8290	>15400	>53100						
R8917127	388.62	389.84	1.22	3.13	79.72	.08	2.79	.65	1.25	4.50	2320	90.9	6340	>10100	>46100						
R8917128	389.84	391.67	1.83		41.61	.05	.88	.62	.37	1.75	1570	40.9	5950	3310	>17900						
R8917142	391.67	393.50	1.83		.00						476	8.7	4420	206	1280						
R8917143	393.50	395.02	1.52		.00						80	15.0	323	572	1800						
R8917144	395.02	396.55	1.52		.00						<10	18.5	41	138	252						
R8917145	396.55	398.43	1.89		.00						20	1.4	44	21	76						
R8917146	398.43	399.78	1.34		.00						80	3.5	22	16	42						
R8917753	399.78	401.42	1.65		.00						<10	<.4	18	<4	87						
R8917754	401.42	402.70	1.28		.00						<10	3.7	34	5	94						
R8917755	402.70	404.17	1.46		.00						82	28.9	53	174	595						
R8917756	404.17	405.69	1.52		.00						90	6.8	15	32	54						
R8917757	405.69	407.06	1.37		.00						480	30.6	206	1303	145						
R8917758	407.06	408.43	1.37		.00						464	6.1	40	109	295						
R8917759	408.43	409.96	1.52		.00						398	4.4	65	608	855						
R8917760	409.96	411.48	1.52		.00						780	33.3	333	2480	1720						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8917761	411.48	413.00	1.52		.00						286	7.2	163	1672	2960						
R8917762	413.00	414.53	1.52		.00						760	4.3	42	63	159						
R8917763	414.53	416.05	1.52	3.81	4.47	.00	.05	.02	.02	.39	98	1.2	174	133	4060						
R8917764	416.05	417.58	1.52	3.81	10.83	.01	.14	.09	<.01	.98	126	5.2	761	40	9450						
R8917765	417.58	419.10	1.52	3.81	6.63	.01	.08	.07	<.01	.45	106	3.0	643	38	4750						
R8917766	419.10	420.59	1.49	3.81	13.99	.01	.21	.40	<.01	.84	152	7.0	3800	63	8820						
R8917767	420.59	421.23	.64	3.81	40.48	.01	.46	1.32	.01	3.18	238	16.2	>13390	181	>35700		2607		185		
R8917768	421.23	422.76	1.52		.00						94	2.2	1095	496	1146						
R8917769	422.76	424.28	1.52		.00						40	.4	221	36	899						
R8917770	424.28	425.81	1.52		.00						108	.9	56	533	1400						
R8917771	425.81	427.33	1.52		.00						82	.6	35	171	342						
R8917772	427.33	428.85	1.52		.00						88	1.4	50	316	1180						
R8917773	428.85	430.38	1.52		.00						130	1.8	83	288	1810						
R8917774	430.38	432.36	1.98		.00						78	.9	37	252	869						
R8917775	432.36	434.34	1.98		.00						70	1.1	104	110	854						
R8917776	434.34	435.86	1.52		.00						38	<.4	31	96	500						
R8917777	435.86	437.39	1.52		.00						50	1.1	257	110	3380						
R8917778	437.39	438.91	1.52		.00						76	1.0	88	110	927						
R8917779	438.91	440.44	1.52		.00						62	1.4	121	643	2050						
R8917780	440.44	441.96	1.52		.00						100	.7	92	126	790						
R8917781	441.96	443.48	1.52		.00						42	.5	105	343	928						
R8917782	443.48	445.01	1.52		.00						30	.9	86	33	172						
R8917783	445.01	446.53	1.52		.00						38	.9	48	38	197						
R8917784	446.53	448.06	1.52		.00						64	3.1	1093	115	729						
R8917785	448.06	449.58	1.52		.00						56	2.6	49	288	845						
R8917786	449.58	451.10	1.52		.00						44	1.9	176	27	199						
R8917787	451.10	452.63	1.52		.00						58	.6	32	18	89						
R8917788	452.63	454.15	1.52		.00						56	1.0	24	18	115						
R8917789	454.15	455.37	1.22		.00						24	1.3	1051	21	104						
R8917790	455.37	456.96	1.58		.00						98	16.5	14360	34	493						
R8917791	456.96	458.72	1.77		.00						58	.5	126	28	238						
R8917792	458.72	460.25	1.52		.00						74	2.6	388	426	2650						

Hole No: TCU89-14 revision April 18, 1990.
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15375.60
(metres) E: 10662.70

Azimuth: 202.0
Dip: -60.0
Length (m): 374.90
Elevation: 112.70 (metres)
Purpose: To test H/AB horizon. (To test downdip of B lens)

Core Size: BQ-2
Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.
Started: AUGUST 10, 1989
Completed: AUGUST 15, 1989
Recovery:

Date Logged: AUGUST 11-16, 1989
Logged By: M.J.CASSLEMAN, E.DEMBICKI
Date Re-logged: AUGUST 9-10, 1992
Re-logged By: D.J. HARRISON
Report Printed: 9 Feb, 1993 4:21am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	202.0	-60.0															
92.4	206.0	-59.5	183.8		-59.0	275.2		-59.0	372.8	206.5	-59.5						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	64.00	DACITE FLOW: HEMATITIC Greyish pink to grey feldspar phyric (5-10%, white subhedral phenocrysts from 1-2mm dia.) weakly hematitic flows; rare quartz-eyes; local vague flow-banding; very siliceous; rare jasper veinlets; interval becomes less pink and more mottled downward, with inter-flow fragmental components or zones of auto-brecciation; upper 25 metres is cut by occasional quartz veins up to 5 cm wide; lower 25m weakly cut by chlorite-epidote veins and veinlets, and mottled white albite flooding.										
21.50	21.95	FAULT Bleached zone, moderate clay alteration; 10 cm of intense clay gouge.										
27.60	27.90	Bleached zone, minor clay gouge; fractures with white powdery filling (prehnite).										
28.35	30.33	FAULT Bleached, pale green-grey, locally sheared to clay gouge with prehnite-filled veinlets.										
31.70	36.73	FAULT Moderate to strong clay altered zone; bleached, pale green-grey; local gouge zones; minor fractures filled with chlorite or white prehnite; minor earthy hematite.										
36.73	38.55	BASALTIC DYKE: Fine-grained, weakly feldspar porphyritic; pervasive moderate chlorite alteration; non-magnetic; upper contact sheared at 70° to core axis; lower contact sheared at 20° to core axis.										
38.55	54.25	Locally fragmental with lapilli to breccia-size fragments; rare hematitic fragments.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
64.00	148.35	BASALT UNDIFFERENTIATED: Dark green, fine to medium-grained basaltic interval; locally feldspar and/or amphibole phyric; pervasive moderate chlorite alteration; moderate to non-magnetic; weakly hair-line fractured with greyish silica flooded envelope; local narrow fragmental tuff(?) zones or fragmental breccias (commonly foliated; less than 1cm wide).										
148.35	180.00	DACITE FLOW: HEMATITIC Pinkish grey feldspar phyric dacite flow, similar to above interval from 0 to 28.35 m; generally homogeneous except for increasing frequency of narrow (1cm or less) quartz veinlets, with minor epidote and albite(?); lower contact is indistinct due to strong mottled alteration.										
180.00	290.32	DACITE LAPILLI TUFF: Medium grey felsic fragmental, dominantly lapilli-size fragments with occasional breccia-size fragments up to 50-80 cm; large fragments and fine tuffaceous matrix are variably white feldspar phyric; trace jasper fragments from top of interval down to ~250 m; quartz ± epidote veinlets are frequent with variable white albitic flooding and mottling; possibly heterolithic towards bottom of interval.	R8915962 R8915963	287.43 288.95	288.95 290.32	1.52 1.37						
		201.85 203.00 BASALTIC DYKE: Medium to dark grey-green, chloritic, moderately magnetic; top contact sharp at 50° to core axis; bottom contact at 45° to core axis.										
		214.85 239.25 DACITE FLOW: Medium grey feldspar phyric flow, weakly veinleted with quartz ± epidote; weak (~<5%) black mottling alteration(?); upper and lower contacts are vague and indistinct.										
		273.50 287.40 DACITE LAPILLI TUFF: Medium to dark greenish to grey, distinct lapilli tuff with flattened or elongated fragments <3 cm with chloritic and weak sericitic matrix foliated around fragments; locally appears heterolithic, with black; grey, and greenish coloured fragments; minor quartz; (similar unit observed in footwall of TCU90-27); lower contact is white to green, quartz-flooded with minor chlorite, over 1 metre, along fracture at 5° to core axis.										
		287.40 290.32 DACITE LAPILLI TUFF: Whitish cherty fragments, 2mm to 2cm in dark greenish-grey, chlorite altered fragmental tuff; minor sericite; up to 10% fine disseminated pyrite within sericite altered ash tuff matrix over bottom ~50cm of interval.										
290.32	292.65	PYRITE FACIES: SERICITIC , WITH MASSIVE PYRITE Intermixed disseminated pyrite from 10% to 75% with intense sericite altered ash(?) tuff; locally crudely foliated and folded; lower 1 metre has less than 30% pyrite; ~2% network chalcopyrite within a heterolithic fragmental (debris flow) with white cherty fragments, black to greenish grey sericitic rock fragments, and minor white barite or gypsum; lower	Z54 R8915964 R8915965	290.32 290.32 292.15	293.07 292.15 293.07	2.75 1.83 .91	 .02 .03	 .26 .43	 .23 .64	 .15 .12	 1.26 .73	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		sharp contact.										
292.65	320.95	EXHALITIC TUFF: Fragmental interval of whitish to medium grey colour; dominantly a fine-grained sericitic altered ash tuff locally intermixed with white-grey barite supporting white fragments of probable disrupted cherty beds (<2cm thick); other chert fragments are over 5cm long, aphanitic and greyish; pyrite is intermixed as rare, fine disseminations from trace, up to 10% in whispy sericitic layers; crude foliation throughout at 30-50° to core axis; lower contact is sharp at 85-90° to core axis.	R8915966	293.07	294.13	1.07						
			R8915967	293.22	295.66	2.44						
			R8915968	295.66	296.88	1.22						
			R8915969	296.88	298.09	1.22						
			R8915970	298.09	299.62	1.52						
			R8915971	299.62	301.14	1.52						
			R8915972	301.14	302.67	1.52						
			R8915973	302.67	303.89	1.22						
			R8915974	303.89	305.41	1.52						
			R8915975	305.41	306.32	.91						
			R8915976	306.32	306.93	.61						
			R8915977	306.93	308.76	1.83						
			R8915978	308.76	309.98	1.22						
			R8915979	309.98	310.90	.91						
			R8915980	310.90	312.42	1.52						
			R8915981	312.42	313.94	1.52						
			R8915982	313.94	315.47	1.52						
			R8915983	315.47	316.99	1.52						
			R8915984	316.99	318.52	1.52						
			R8915985	318.52	319.89	1.37						
			R8915986	319.89	320.95	1.07						
320.95	326.18	PYRITE FACIES: , WITH MASSIVE PYRITE Homogeneous interval of 90% to 95% pyrite, dominantly fine to medium-grained; rare intervals of very fine pyrite laminated mud at 30° to core axis; up to 2-5% pale greyish quartz in thin fractures; lower contact is sharp at 75° to core axis.	Z...	320.95	326.14	5.19						
			R8915987	320.95	322.48	1.52	.03	.19	.07	.02	.59	
			R8915988	322.48	324.00	1.52	.03	.23	.08	<.01	.33	
			R8915989	324.00	325.22	1.22	.05	.26	.08	<.01	.18	
			R8915990	325.22	326.14	.91	.04	1.58	.78	.02	.13	
			R8915991	326.14	327.05	.91						
326.18	342.75	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Strong sericite altered matrix, strongly foliated at 30° to 50° to core axis varying from pale greenish-grey to dark grey with ~10% whitish to yellow brown, rounded to spherical porphyroblasts of cordierite, commonly with diffuse boundaries; local chert fragments; pyrite varies from trace to 10-20% in areas of fine, dust tuff without porphyroblasts; minor red-brown garnet on fractures.	R8915992	327.05	328.57	1.52						
			R8915993	328.57	330.10	1.52						
			R8915994	330.10	332.38	2.29						
			R8915995	332.38	332.84	.46						
			R8915996	334.06	335.89	1.83						
			R8915997	335.89	338.02	2.13						
			Z56	338.02	339.24	1.22						
			R8915998	338.02	338.33	.30	.00	.17	.45	.98	7.80	
			R8915999	338.33	339.24	.91	.00	.03	.03	.34	1.12	
			R8916000	339.24	340.92	1.68						
			R8916001	340.92	341.38	.46						
			R8916002	341.38	342.60	1.22						
			R8916003	342.60	344.12	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
342.75	344.32	PYRITE FACIES: SILICIFIED , WITH MASSIVE PYRITE 80-90% Massive pyrite; medium to coarse-grained cubic pyrite crystals with greyish silica (chert) matrix; pyrite abundance decreases downwards to 50% in 40% light grey chert with minor sericitic ash tuff; lower contact is gradual.	R8916004	344.12	345.64	1.52						
344.32	350.06	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Intense sericitized dacitic ash tuff, olive green-grey colour with up to 10% disseminated pyrite, supporting variably sized pale grey chert fragments and possible broken chert layers from fine to coarse lapilli size; chert is aphanitic, locally fractured with 2-3% chalcopyrite; lower contact is sharp.	R8916005	345.64	347.17	1.52						
			R8916006	347.17	348.69	1.52						
			R8916007	348.69	349.91	1.22						
			R8916008	349.91	351.43	1.52						
350.06	374.90	BASALT FLOW: SILICIFIED Dark grey to black, basaltic to andesitic flow(?) with 5% white quartz-filled amygdules(?), rounded and spherical from 2mm to 1cm, occasionally with epidote or pyrite or chalcopyrite cores; rarely totally replaced with pyrite or chalcopyrite; interval is generally fine-grained, weakly cut by fine quartz veinlets; traces of jasper in large quartz patches.	R8916009	351.43	354.48	3.05						
			R8916010	354.48	356.01	1.52						
			R8916011	356.01	357.38	1.37						
			R8916012	357.38	357.83	.46	.00	.36	2.17	1.08	2.19	
			Z57	357.38	357.83	.45						
			R8916013	357.83	359.36	1.52						
			R8916014	359.36	360.88	1.52						
			R8916015	360.88	362.41	1.52						
			R8916016	362.41	363.93	1.52						
			R8916017	363.93	365.45	1.52						
			R8916018	365.45	366.98	1.52						
			R8916019	366.98	368.50	1.52						
			R8916020	368.50	370.03	1.52						
			R8916021	370.03	371.55	1.52						
			R8916022	371.55	373.08	1.52						
			R8916023	373.08	374.90	1.83						
		357.43 358.00, With STRINGER CHALCOPYRITE: Interflow sulphide zone (possible vein?) with 10% disseminated to massive pyrite; 5-7% network chalcopyrite; 2-3% red-brown to buff sphalerite; quartz veined with sericitized wall-rock; trace jasper.										
374.90		EOH										

Hole No: TCU89-14
April 18, 1990.

Client: REDFERN RESOURCES LTD.

Property: Tulsequah Chief

Claim:

Co-ords: N: 15375.60
(metres) E: 10662.70

Azimuth: 202.0

Dip: -60.0

Length (m): 374.90

Elevation: 112.70
(metres)

Purpose: To test H/AB horizon. (To test downdip of B lens)

Core Size: BQ-2

Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.

Started: AUGUST 10, 1989
Completed: AUGUST 15, 1989

Recovery:

Date Logged: AUGUST 11-16, 1989 - revision

Logged By: M.J.CASSLEMAN, E.DEMBICKI

Date Re-logged: AUGUST 9-10, 1992
Re-logged By: D.J. HARRISON

Report Printed: 19 Feb, 1993
10:03pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8915962	287.43	288.95	1.52		.00						26	.7	62	7	161						
R8915963	288.95	290.32	1.37		.00						198	3.0	964	447	2230						
R8915964	290.32	292.15	1.83	3.81	17.42	.01	.23	.23	.15	1.26	464	10.9	2020	1390	>12000						
R8915965	292.15	293.07	.91	3.81	25.07	.03	.38	.64	.12	.73	640	15.0	6770	982	7940						
R8915966	293.07	294.13	1.07		.00						50	.9	237	19	285						
R8915967	293.22	295.66	2.44		.00						24	.5	44	5	99						
R8915968	295.66	296.88	1.22		.00						22	.5	25	<4	35						
R8915969	296.88	298.09	1.22		.00						20	.6	9	6	44						
R8915970	298.09	299.62	1.52		.00						78	1.7	40	26	53						
R8915971	299.62	301.14	1.52		.00						282	3.1	28	36	71						
R8915972	301.14	302.67	1.52		.00						184	1.5	32	112	293						
R8915973	302.67	303.89	1.22		.00						122	1.6	60	321	535						
R8915974	303.89	305.41	1.52		.00						128	1.8	78	608	910						
R8915975	305.41	306.32	.91		.00						160	1.2	188	1420	2550						
R8915976	306.32	306.93	.61		.00						98	1.2	363	2370	3900						
R8915977	306.93	308.76	1.83		.00						100	.9	689	943	7050						
R8915978	308.76	309.98	1.22		.00						34	.8	2400	31	90						
R8915979	309.98	310.90	.91		.00						56	1.1	2190	44	163						
R8915980	310.90	312.42	1.52		.00						80	.8	265	30	102						
R8915981	312.42	313.94	1.52		.00						52	<.4	36	41	32						
R8915982	313.94	315.47	1.52		.00						80	1.4	59	65	47						
R8915983	315.47	316.99	1.52		.00						70	2.2	1140	35	147						
R8915984	316.99	318.52	1.52		.00						124	3.6	4100	65	382						
R8915985	318.52	319.89	1.37		.00						102	2.1	221	106	63						
R8915986	319.89	320.95	1.07		.00						50	.4	84	33	164						
R8915987	320.95	322.48	1.52	4.56	15.76	.03	.17	.07	.02	.59	504	6.5	541	236	6600						
R8915988	322.48	324.00	1.52	4.62	12.76	.02	.21	.08	<.01	.33	646	7.5	651	98	3230						
R8915989	324.00	325.22	1.22	4.66	21.26	.05	.23	.08	<.01	.18	660	8.1	769	101	1640						
R8915990	325.22	326.14	.91	4.59	29.16	.04	1.41	.78	.02	.13	1740	49.9	7880	212	1100						
R8915991	326.14	327.05	.91		.00						140	.9	210	14	209						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8915992	327.05	328.57	1.52		.00						80	1.5	114	27	99						
R8915993	328.57	330.10	1.52		.00						48	.6	37	13	36						
R8915994	330.10	332.38	2.29		.00						38	<.4	18	14	24						
R8915995	332.38	332.84	.46		.00						38	.5	20	17	17						
R8915996	334.06	335.89	1.83		.00						56	<.4	64	79	109						
R8915997	335.89	338.02	2.13		.00						102	1.5	334	880	3610						
R8915998	338.02	338.33	.30	3.81	60.92	.00	.16	.45	.98	7.80	318	5.9	4690	9920	>88500						
R8915999	338.33	339.24	.91	3.81	8.78	.00	.02	.03	.34	1.12	42	1.1	250	3760	>11100						
R8916000	339.24	340.92	1.68		.00						24	<.4	86	31	2870						
R8916001	340.92	341.38	.46		.00						<10	.5	214	12	8160						
R8916002	341.38	342.60	1.22		.00						20	.6	481	9	1600						
R8916003	342.60	344.12	1.52		.00						118	2.1	1580	32	50						
R8916004	344.12	345.64	1.52		.00						140	3.0	3970	36	318						
R8916005	345.64	347.17	1.52		.00						162	4.0	6120	108	233						
R8916006	347.17	348.69	1.52		.00						234	1.2	848	176	95						
R8916007	348.69	349.91	1.22		.00						162	1.8	1370	451	596						
R8916008	349.91	351.43	1.52		.00						20	1.7	2510	59	490						
R8916009	351.43	354.48	3.05		.00						<10	1.2	2020	231	610						
R8916010	354.48	356.01	1.52		.00						24	.7	1900	110	433						
R8916011	356.01	357.38	1.37		.00						30	3.1	2390	3700	2220						
R8916012	357.38	357.83	.46		46.32	.00	.32	2.17	1.08	2.19	86	12.0	>20900	>10000	>21300						
Z57	357.38	357.83	.45		.00																46
R8916013	357.83	359.36	1.52		.00						<10	.7	754	498	1010						
R8916014	359.36	360.88	1.52		.00						20	.5	594	741	776						
R8916015	360.88	362.41	1.52		.00						<10	1.3	2250	784	1070						
R8916016	362.41	363.93	1.52		.00						<10	1.5	1640	364	1310						
R8916017	363.93	365.45	1.52		.00						<10	.6	308	602	2750						
R8916018	365.45	366.98	1.52		.00						58	.7	822	42	243						
R8916019	366.98	368.50	1.52		.00						40	<.4	275	115	854						
R8916020	368.50	370.03	1.52		.00						46	.9	254	1750	2160						
R8916021	370.03	371.55	1.52		.00						20	.9	812	116	607						
R8916022	371.55	373.08	1.52		.00						<10	<.4	298	46	370						
R8916023	373.08	374.90	1.83		.00						<10	2.0	1200	152	718						

Hole No: TCU89-15 Azimuth: 227.0 Core Size: BQ-2 Date Logged: AUG. 18-28, 1989; Revised January 1, 1990

Drill Name: (UNDERGROUND)

Client: REDFERN RESOURCES LTD. Dip: -70.0 Contractor: COATES DRILLING LTD. Logged By: E.A. Dembicki

Date Re-logged: AUG. 9-11, 1992

Property: Tulsequah Chief Length (m): 480.06 Started: AUGUST 17, 1989 Re-logged By: D.J. HARRISON

Completed: AUGUST 27, 1989

Claim: Elevation (metres): 112.70 Recovery: Report Printed: 9 Feb, 1993 4:21am

Co-ords: N: 15375.60
(metres) E: 10662.70 Purpose: To test H horizon at 4200 mine elevation.

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	227.0	-70.0															
94.2	233.0	-69.0	185.6	234.0	-69.0	277.1		-69.0	368.5	236.0	-69.0	478.2		-70.0			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	1.20	CASING										
		.00 9.14 Pinkish grey flow with fractures of red jasper (trace to 1%); colour change to interval below is abrupt.										
1.20	85.80	DACITE FLOW: Light grey to pale pinkish-grey to pale greenish-grey, feldspar porphyritic (5-10%, subhedral, 1-3mm, whitish) flows, generally homogeneous throughout; weakly cut by narrow (<5cm) quartz veins with epidote ± chlorite ± albite flooding; rare traces of garnet along contacts with dykes.										
		9.14 36.27 Pale greenish grey to dark grey, mottled due to alteration; weak chloritic zones; pale albitic flooding.										
		36.27 42.67 Pinkish grey zone; weak hairline epidote-chlorite veinlets.										
		42.67 50.52 Mottled pale greenish grey to dark grey, locally strong chlorite fractured and bleached whitish around dyke contacts.										
		44.27 46.94 BASALTIC DYKE: Dark green, fine-grained dyke; pervasive moderate chlorite alteration; non-magnetic; sharp, chilled contacts; upper contact at 20° to core axis; lower contact broken and sheared at 15-35° to core axis.										
		50.52 85.80 Pale greyish dacite; minor local tinges of pink colouration.										
85.80	197.81	BASALT UNDIFFERENTIATED: Dark green, aphanitic to medium-grained; moderate pervasive chlorite alteration; locally silicified on fine fractures; locally feldspar										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		phyric, rarely amphibole porphyritic; trace magnetite; weakly brecciated over lower 5 metres.										
197.81	389.23	DACITE LAPILLI TUFF: HEMATITIC Variably coloured dark to light grey with tinges of pink and/or green, intermixed dacite lapilli tuffs with occaisional flows; tuffaceous intervals have mottled alteration of albite/chlorite ± jasper with fine alignment of ash matrix around larger fragments (locally breccia-size) ; flow layers are dominantly medium grey with pinkish hematitic tinge, feldspar phyric and genrally homogeneous.	R8917147	374.60	376.12	1.52						
			R8917148	376.12	377.65	1.52						
			R8917149	377.65	380.70	3.05						
			R8917150	380.70	382.22	1.52						
			R8917151	382.22	383.74	1.52						
			R8917152	383.74	385.27	1.52						
			R8917153	385.27	386.79	1.52						
			R8917154	386.79	388.32	1.52						
			R8917155	388.32	389.23	.92						
		197.81 214.70 DACITE LAPILLI TUFF: Grey to dark grey; moderate chlorite altered; rare breccia-sized fragments; fragments average from ash size to lapilli.										
		214.70 215.65 BASALTIC DYKE: Fine-grained, dark green; upper contact sharp at 30° to core axis; lower contact at 30° to core axis.										
		215.65 217.40 DACITE LAPILLI TUFF: Same as above minor unit.										
		217.40 219.28 BASALTIC DYKE: Same as above dyke, with broken, brecciated contacts.										
		285.27 290.32 DACITE ASH TUFF: Coarse ash tuff with fine lapilli fragments (fall deposit; well sorted); medium grey colour; weak to moderate sericite/clay altered.										
		290.32 324.56 DACITE FLOW BRECCIA: Mottled dark grey to buff white; poorly sorted lapilli tuff with ~10-20% feldspar porhyrititc breccia fragments, whitish to pinkish grey; moderate to strong chloritic altered; minor sericite alteration; local strong quartz-epidote veinlets; patchy white albitic flooding.										
		300.79 302.97 BASALTIC DYKE: Fine-grained, dark green dyke; upper contact sharp at 55° to core axis; lower contact sharp at 55° to core axis.										
		324.56 341.78 DACITE FLOW: Medium to light grey dacitic (rhyodacitic?) flow; ~5% white feldspar phyric throughout; rare quartz-eyes; very siliceous; albitic flooding along hairline quartz-epidote fractures; upper contact is indistinct; lower contact sharp but irregular.										
		341.78 351.97 DACITE FLOW BRECCIA: Similar to above interval from 290.32 to 324.56 metres; upper contact is sharp, with fine well-sorted lapilli to ash sized fragments at 30-35° to core axis (same as upper contact) over the upper 1 metre; albitic flooding decreases downwards; lower contact sharp at low angle to core axis (~10°).										
		347.90 349.50 BASALTIC DYKE: Dark green, fine-grained, weakly magnetic; cut by 1-10cm wide veins of white quartz; upper contact at 55° to core axis; lower contact at 45°.										
		351.97 365.23 DACITE LAPILLI TUFF: Dark greenish, distinct lapilli tuff with 25-40% lenticular to rounded coarse lapilli in fine										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		chloritic lapilli/ash tuff matrix; has well developed foliation at 35°to core axis; rare coarse grained bombs(?) with quartz eyes.										
		365.23 389.23 DACITE LAPILLI TUFF: Medium grey to dark grey green, weak to moderate chlorite altered; weak sericite altered fragments; local silicification and bleaching along quartz veins 5-20cm wide; local well developed foliation at 50-60° to core axis.										
389.23	394.56	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE										
		Dacite lapilli tuff with white chert fragments (5% rounded to subangular) within strong sericite altered ash and lapilli matrix and soft whitish barite and gypsum(?); textures vary from chaotic, random sorting to foliated fabric at 20-40° to core axis; disseminated pyrite and rounded pyritic clasts (~2% pyrite) occur over lower half of interval; 5% sphalerite (buff-honey coloured) intermixed with ash tuff over lower 1 metre.	R8917156	389.23	390.27	1.04						
			R8917157	390.27	391.67	1.40						
			R8917158	391.67	393.19	1.52						
			ZAQ	391.67	396.12	4.45						
			R8917129	393.19	394.56	1.37	.01	.49	.27	.43	2.70	
394.56	396.12	ZINC FACIES: SERICITIC , WITH MASSIVE SPHALERITE										
		Zinc Facies - Yellowish honey coloured sphalerite (50-60%); well laminated with intense sericitized ash tuff, at 40-50° to core axis; trace chalcopyrite; minor barite (5-10%), and chert (~5%); upper contact sharp at 35° to core axis; lower contact at 30° to core axis.	R8917130	394.56	396.12	1.55	.05	3.04	1.08	.67	24.11	
			R8917131	396.12	396.48	.37						
396.12	412.55	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE										
		Variable assortment of tuffaceous ash and lapilli with intermixed pyrite as fragments and/or disseminations; local cherty tuff horizons with possible glass shards; local exhalitic zones of whitish grey baritic material; textures are variably foliated to chaotic.	R8917159	396.48	397.95	1.46						
			R8917160	397.95	399.29	1.34						
			R8917161	399.29	400.81	1.52						
			R8917162	400.81	401.33	.52						
			R8917163	401.33	401.57	.24						
			R8917164	401.57	401.88	.30						
			R8917165	401.88	403.68	1.80						
			R8917166	403.68	405.08	1.40						
			R8917167	405.08	406.05	.98						
			R8917168	406.05	407.82	1.77		.89			1.13	
			R8917169	407.82	408.58	.76						
			R8917170	408.58	408.92	.34						
			R8917171	408.92	409.29	.36						
			R8917172	409.29	409.80	.52	.14	3.81	1.04		1.77	
			R8917173	409.80	410.41	.61	.02					
			R8917174	410.41	412.09	1.68						
			R8917175	412.09	412.55	.46	.02	.46	.43	<.01	2.83	
			Z59	412.09	414.22	2.13						
			R8917176	412.55	413.31	.76	.03	.59	.48	<.01	1.08	
		396.12 400.81 Pyritic dacitic(?) lapilli-ash tuff; dark olive-green grey colour, soft and intensely sericite altered; up to 40-60% very fine disseminated pyrite with occaisional sub-rounded pyrite fragments and irregular masses in upper half of interval; weak fabric alignment at 40° to core axis; pyrite decreases in abundance downwards to ~5%, to dominantly sericitzed ash tuff with rounded, translucent sericite(?) replaced(?) porphyroblasts from 2-10mm diameter. From 396.54 to 396.93m is chaotic fragmental with pale to dark green sericitic matrix with intermixed barite or gypsum(?) supporting white to pale yellowish chert fragments and pyrite fragments, with minor pyrite and trace sphalerite in matrix.											
		400.81 401.88 BASALTIC DYKE: Brownish to dark green, medium-grained dyke; white quartz along irregular contacts; biotite altered, over-printed with chlorite fractures; lower contact sharp at 50° to core axis.										
		401.88 403.74 DACITE LAPILLI TUFF: Fine whitish laminated cherty layers										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		interbedded with dark grey-greenish sericitic ash tuff and possible glass shards, changing gradually downwards to lesser chert fragments in whitish baritic (or gypsum?)/ tuff mixture with trace pyrite; 2-10mm spherical, rarely sericite replaced porphyroblasts increase pyrite; 2-10mm spherical, rarely sericite replaced porphyroblasts increase in abundance downwards to 10-15%, consisting of amber-brownish mineral with hardness >5 (cordierite?).										
	403.74 406.07	DACITE LAPILLI TUFF: Pinkish brown, intensely altered fragmental with 2-5% white chert fragments; 2-5% white-grey barite fragments; ~5% pyrite fragments; 5-10% intense sericite altered fragments; 70% brownish biotite altered tuff and fragments; possible debris flow; ~5-10% spherical porphyroblastic texture still present but locally obscured, and light brownish biotite replaced; lower contact sharp at 35° to core axis.										
	406.07 412.55	DACITE LAPILLI TUFF: Similar to above zone from 401.8-403.74m. Medium to pale grey fragmental with tuffaceous ash and barite matrix, locally cherty, supporting pyrite fragments, chert, barite, and sericitic rock(?) fragments; porphyroblastic texture is local, replaced with sericite; local ash tuff zones with 2-5% disseminated pyrite cubes up to 0.5cm; local areas have up to ~20% very fine-grained disseminated pyrite, minor black specular hematite, and sphalerite; lower part of interval has 'marbled' texture of pyrite and white exhalitic chert.										
412.55	415.29	PYRITE FACIES: SERICITIC , WITH DISSEMINATED SPHALERITE Intense sericite altered, buff coloured dacitic ash(?) tuff with rare cherty layers (broken) at 35° to core axis; locally strong concentrations of fine grained-pyrite from 10-80%; 2-5% sphalerite.	R8917177	413.31	414.22	.91	.01	.10	.07	<.01	2.90	
			ZAR	414.22	419.86	5.64						
			R8917132	414.22	415.14	.92	.12	1.91	1.13	.01	2.60	
			R8917133	415.14	416.66	1.52	.05	.57	1.32	.16	2.44	
415.29	419.86	PYRITE FACIES: SILICIFIED , WITH DISSEMINATED SPHALERITE Massive pyrite zone with 60-80% pyrite, with up to 5-10% black sphalerite and trace to 2% chalcopyrite; gangue is cherty; zinc-rich zone from 418 to 419.28m with up to 50-60% black sphalerite, ~10% galena and 30-40% pyrite.	R8917134	416.66	417.97	1.31	.04	.75	.69	.20	5.10	
			R8917135	417.97	419.28	1.31	.08	2.07	.77	6.30	31.44	
			R8917136	419.28	419.86	.58	.06	.64	.89	.10	3.50	
419.86	434.64	EXHALITIC TUFF: SERICITIC Mixed debis flow with weakly mottled or 'marbled' texture due to colour variation in fragments from greenish-grey to whitish; fragmental with whitish chert fragments, soft baritic fragments, rare pyritic fragments(?), within intense sericitized dacitic(?) ash tuff matrix; pyrite is very fine-grained throughout, ranging from ~5% to concentrations of ~25%; foliated fabric at 30-35° to core axis; probable debris flow; porphyroblastic texture is present, with up to 10% pale	R8917137	419.86	420.32	.46	.09					
			R8917178	420.32	421.84	1.52						
			R8917179	421.84	423.37	1.52						
			R8917717	423.37	424.89	1.52						
			R8917718	424.89	426.42	1.52						
			R8917719	426.42	427.94	1.52						
			R8917720	427.94	429.46	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		green-grey sericite replaced spheres or amygdules.	R8917721	429.46	430.99	1.52						
			R8917722	430.99	432.51	1.52						
			R8917723	432.51	434.04	1.52						
			R8917724	434.04	435.56	1.52						
434.64	455.98	BASALT FLOW BRECCIA: SERICITIC Gradational contact with above unit with a decrease in chert and baritic/gypsum(?) mixed ash and lapilli tuff, to dominantly silica flooded amygdaloidal basaltic flow breccia; interval is intensely sericitic altered to pale greenish grey colour; very fine disseminated pyrite thorughout, with local coarse concentrations and rounded pyrite grains (framboidal or replacing vesicles?); porphyroblastic texture is weak and only locally present.	R8917725	435.56	437.08	1.52						
			R8917726	437.08	438.61	1.52						
			R8917727	438.61	440.13	1.52						
			R8917728	440.13	441.35	1.22						
			R8917729	441.35	442.20	.85						
			R8917730	442.20	443.48	1.28						
			R8917731	443.48	445.01	1.52						
			R8917732	445.01	446.53	1.52						
			R8917733	446.53	448.30	1.77						
			R8917734	448.30	449.89	1.59						
			R8917735	449.89	451.41	1.52						
			R8917736	451.41	452.93	1.52						
			R8917737	452.93	454.46	1.52						
			R8917738	454.46	455.98	1.52						
455.98	480.06	BASALT FLOW: SERICITIC Gradational contact with above interval; protolith appears to be a basaltic flow with occasional small (1-2mm) quartz-filled amygdules; strongly sericitic altered with biotite alteration over-print; rare white quartz spheres similar to amygdules, often with pyrite cores; biotite altered porphyroblastic texture is intense as porphyroblasts coalesce; disseminated pyrite throughout from 5% to locally 20%; local cherty zones with trace jasper. 469.40 472.14 BASALTIC DYKE: Fine-grained, dark green, homogenous, magnetic, moderate chlorite altered dyke.	R8917739	455.98	457.51	1.52						
			R8917740	457.51	459.03	1.52						
			R8917741	459.03	460.34	1.31						
			R8917742	460.34	461.77	1.43						
			R8917743	461.77	463.30	1.52						
			R8917744	463.30	464.82	1.52						
			R8917745	464.82	466.34	1.52						
			R8917746	466.34	467.87	1.52						
			R8917747	467.87	470.31	2.44						
			R8917748	472.14	473.66	1.52						
			R8917749	473.66	475.18	1.52						
			R8917750	475.18	476.71	1.52						
			R8917751	476.71	478.23	1.52						
			R8917752	478.23	480.06	1.83						
480.06		EOH										

Hole No: TCU89-15
January 1, 1990

Client: REDFERN RESOURCES LTD.

Property: Tulsequah Chief

Claim:

Co-ords: N: 15375.60
(metres) E: 10662.70

Azimuth: 227.0

Dip: -70.0

Length (m): 480.06

Elevation: 112.70
(metres)

Purpose: To test H horizon at 4200 mine elevation.

Core Size: BQ-2

Drill Name: (UNDERGROUND)
Contractor: COATES DRILLING LTD.

Started: AUGUST 17, 1989
Completed: AUGUST 27, 1989

Recovery:

Date Logged: AUG. 18-28, 1989; Revised

Logged By: E.A. Dembicki

Date Re-logged: AUG. 9-11, 1992
Re-logged By: D.J. HARRISON

Report Printed: 19 Feb, 1993
10:03pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8917147	374.60	376.12	1.52		.00						<10	<.4	9	<4	90						
R8917148	376.12	377.65	1.52		.00						<10	<.4	24	5	80						
R8917149	377.65	380.70	3.05		.00						<10	<.4	21	4	50						
R8917150	380.70	382.22	1.52		.00						20	<.4	8	<4	99						
R8917151	382.22	383.74	1.52		.00						<10	<.4	28	5	130						
R8917152	383.74	385.27	1.52		.00						<10	.7	16	4	201						
R8917153	385.27	386.79	1.52		.00						<10	.6	6	14	284						
R8917154	386.79	388.32	1.52		.00						<10	1.2	29	16	313						
R8917155	388.32	389.23	.92		.00																
R8917156	389.23	390.27	1.04		.00						92	3.7	215	205	829						
R8917157	390.27	391.67	1.40		.00						872	25.7	2820	1400	8350						
R8917158	391.67	393.19	1.52		.00						140	6.4	290	934	3710						
R8917129	393.19	394.56	1.37	3.81	27.97	.01	.44	.27	.43	2.70	376	19.5	2500	4000	>21900						
R8917130	394.56	396.12	1.55	3.70	196.77	.05	2.72	1.08	.67	24.11	1072	92.9	9800	6080	>63000		1808		232		
R8917131	396.12	396.48	.37		.00						320	18.9	3300	122	1370						
R8917159	396.48	397.95	1.46		.00						600	17.1	1690	246	4600						
R8917160	397.95	399.29	1.34		.00						46	1.6	78	31	345						
R8917161	399.29	400.81	1.52		.00						72	<.4	20	23	101						
R8917162	400.81	401.33	.52		.00						40	.8	70	16	66						
R8917163	401.33	401.57	.24		.00						20	<.4	10	8	55						
R8917164	401.57	401.88	.30		.00						72	.9	56	11	71						
R8917165	401.88	403.68	1.80		.00						160	1.3	21	37	87						
R8917166	403.68	405.08	1.40		.00						272	5.3	382	35	1650						
R8917167	405.08	406.05	.98		.00						188	4.2	301	79	2140						
R8917168	406.05	407.82	1.77		9.70		.80			1.13	604	29.8	1760	1190	>11200						
R8917169	407.82	408.58	.76		.00						120	1.5	131	49	694						
R8917170	408.58	408.92	.34		.00						962	13.8	501	2870	5990						
R8917171	408.92	409.29	.36		.00						592	7.4	446	360	3680						
R8917172	409.29	409.80	.52		82.72	.13	3.40	1.04		1.77	4960	>127.0	>10800	463	>17700						
R8917173	409.80	410.41	.61		8.26	.02					1064	26.1	2410	1150	3440						
R8917174	410.41	412.09	1.68		.00						420	9.7	3190	34	2670						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8917175	412.09	412.55	.46	3.81	31.88	.02	.41	.43	<.01	2.83	552	14.7	4170	21	>26700						
R8917176	412.55	413.31	.76	3.81	25.01	.03	.53	.48	<.01	1.08	680	17.1	4240	35	>10300						
R8917177	413.31	414.22	.91	3.81	23.14	.01	.09	.07	<.01	2.90	606	3.0	621	50	>33300						
R8917132	414.22	415.14	.92	2.89	75.73	.11	1.70	1.13	.01	2.60	3320	59.7	>10300	112	>25900						
R8917133	415.14	416.66	1.52	4.04	51.75	.05	.51	1.32	.16	2.44	1162	20.3	>11700	1330	>20300						
R8917134	416.66	417.97	1.31	4.38	58.28	.04	.67	.69	.20	5.10	1160	28.5	6720	1510	>51200						
R8917135	417.97	419.28	1.31	4.14	263.75	.07	1.85	.77	6.30	31.44	1602	55.6	7500	>24700	>05000						
R8917136	419.28	419.86	.58	3.81	55.87	.05	.57	.89	.10	3.50	1406	22.1	8030	613	>33100						
R8917137	419.86	420.32	.46		30.04	.08					2820	42.1	8260	274	2030						
R8917178	420.32	421.84	1.52		.00						60	<.4	47	15	286						
R8917179	421.84	423.37	1.52		.00						80	.7	27	11	77						
R8917717	423.37	424.89	1.52		.00						76	<.4	34	12	43						
R8917718	424.89	426.42	1.52		.00						76	.4	55	16	47						
R8917719	426.42	427.94	1.52		.00						58	<.4	37	37	74						
R8917720	427.94	429.46	1.52		.00						62	.7	35	95	163						
R8917721	429.46	430.99	1.52		.00						70	2.1	43	196	353						
R8917722	430.99	432.51	1.52		.00						30	1.0	37	173	292						
R8917723	432.51	434.04	1.52		.00						30	1.1	38	67	77						
R8917724	434.04	435.56	1.52		.00						66	1.0	72	123	2620						
R8917725	435.56	437.08	1.52		.00						108	1.8	397	88	3640						
R8917726	437.08	438.61	1.52		.00						232	8.1	4930	110	1069						
R8917727	438.61	440.13	1.52		.00						120	3.1	3280	131	1161						
R8917728	440.13	441.35	1.22		.00						24	1.2	2750	24	811						
R8917729	441.35	442.20	.85		.00						<10	.7	2230	25	940						
R8917730	442.20	443.48	1.28		.00						26	1.3	3950	19							
R8917731	443.48	445.01	1.52		.00						34	2.2	5860	29							
R8917732	445.01	446.53	1.52		.00						34	2.8	8990	27							
R8917733	446.53	448.30	1.77		.00						56	1.7	3230	31	807						
R8917734	448.30	449.89	1.59		.00						50	1.2	2340	11	359						
R8917735	449.89	451.41	1.52		.00						42	.5	556	23	465						
R8917736	451.41	452.93	1.52		.00						40	.5	440	13	90						
R8917737	452.93	454.46	1.52		.00						78	<.4	76	33	78						
R8917738	454.46	455.98	1.52		.00						42	.6	84	28	85						
R8917739	455.98	457.51	1.52		.00						32	1.3	1430	7	372						
R8917740	457.51	459.03	1.52		.00						42	.9	1042	19	332						
R8917741	459.03	460.34	1.31		.00						24	.8	404	38	477						
R8917742	460.34	461.77	1.43		.00						20	<.4	136	18	429						
R8917743	461.77	463.30	1.52		.00						26	<.4	115	33	177						
R8917744	463.30	464.82	1.52		.00						30	2.0	1126	9	278						
R8917745	464.82	466.34	1.52		.00						80	2.8	766	35	251						
R8917746	466.34	467.87	1.52		.00						20	1.2	665	28	1114						
R8917747	467.87	470.31	2.44		.00						70	3.1	1643	65	540						
R8917748	472.14	473.66	1.52		.00						<10	.4	143	96	434						
R8917749	473.66	475.18	1.52		.00						62	.8	137	169	320						
R8917750	475.18	476.71	1.52		.00						64	<.4	115	67	421						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8917751	476.71	478.23	1.52		.00						<10	.6	495	22	299						
R8917752	478.23	480.06	1.83		.00						<10	<.4	231	28	280						

TCU89-16

Hole No: TCU89-16
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15375.60
(metres) E: 10662.70

Azimuth: 256.0
Dip: -70.9
Length (m): 662.94
Elevation: 112.70
(metres)
Purpose:

Core Size: BQ-2
Drill Name: UNDERGROUND
Contractor: Coates
Started: August 28, 1989
Completed:
Recovery: Good

Date Logged: September 2, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 21, 1992
Re-logged By: G.L. Dawson
Report Printed: 9 Feb, 1993 4:21am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	256.0	-70.9															
21.3	258.0	-72.0	204.2		-71.0	387.1	258.0	-72.5	570.0		-79.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.91	CASING										
.91	107.59	DACITE FLOW: PROPYLITIC Greyish green to maroon, propylitically altered, feldspar (1-2mm) phyric, fine grained dacite flow and minor flow breccia. Vein types include: (i) jasper, (ii) quartz, (iii) chlorite + epidote veinlets with albite envelopes and (iv) prehnite. Lower contact sharp @ 50° to CA. .91 7.32 Hematitic interval (maroon); gradational lower contact. Top of flow (?). 6.71 7.32 Broken and ground core. 17.68 17.83 FAULT Broken core with minor clay gouge (1cm) @ 40° to CA. 24.23 24.69 FAULT Broken core with minor clay gouge (<1cm); clay altered zone @ 30° to CA. 31.39 31.55 BASALTIC DYKE: Dark green fine grained basalt dyke @ 30° to CA. 49.23 49.53 Hematitic interval; gradational lower contact. Top of flow (?). 49.53 83.82 Hematitic interval--top of flow (?); gradational lower contact. 87.02 87.33 BASALTIC DYKE: Dark green, fine grained basalt dyke @ 40° to CA.										
107.59	266.70	BASALT FLOW: Dark green, fine grained to aphanitic basalt flow and flow breccia. Some										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		sections feldspar (1-2mm) phyric. Vein types include: (i) chloritic veinlets with bluish green silica envelopes (<1-2cm) and (ii) minor magnetite ± chalcopyrite + albite veinlets. Lower contact sharp @ 50° to CA.										
		120.24 123.44 DACITE DYKE: Feldspar (1-2mm) phyric, fine grained dacite dyke (?). Wavy irregular contacts @ 10-20° to CA.										
		144.48 145.08 FAULT Broken and fractured core; minor clay gouge. Chlorite slips @ 20-30° to CA.										
		200.86 201.17 FAULT Strongly sheared rock; chlorite slips @ 40° to CA.										
		257.56 260.00 FAULT Brecciated clay altered fault zone healed by quartz + calcite. Contacts sharp @ 30 - 40° to CA.										
266.70	278.28	DACITE LAPILLI TUFF: HEMATITIC Layered, greyish green and maroon, propylitically altered dacite lapilli tuff; ignimbrite (?). Lapilli are <1-2cm and wispy. Layering @ 5-10° to CA. Some chlorite + epidote + albite ± magnetite veinlets.										
278.28	329.95	DACITE FLOW: Greenish grey and maroon, feldspar (1-2mm) phyric, fine grained to aphanitic dacite flow. Some randomly orientated epidote + chlorite + quartz + albite ± garnet ± magnetite veinlets. Lower contact sharp @ 40 - 50° to CA.										
329.95	356.92	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Mixed sequence of layered and brecciated (debris flow) grey tan chert, sericite-pyrite altered dacite ash tuff, and lesser gypsum and sulphides. Sulphides include pyrite (5-10%), sphalerite (<1%) and trace galena and chalcopyrite. Layering @ 55° to CA.	R8918479	339.24	340.77	1.52						
			R8918480	340.77	341.83	1.07						
			R8918481	341.83	342 90	1.07	.04					
			R8918482	342.90	344.42	1.52						
			R8918483	344.42	345.95	1.52						
			R8918484	345.95	347.47	1.52						
			Z61	347.47	356.01	8.54						
			R8918485	347.47	349.00	1.52	.01	.41	.28	.39	1.65	
			R8918486	349.00	350.52	1.52	.02	.28	.09	.29	1.06	
			R8918487	350.52	352.20	1.68	.01	.38	.04	.30	.44	
			R8918488	352.20	352.74	.55	.02	1.31	.23	.24	1.40	
			R8918489	352.74	354.48	1.74	.00	.16	.13	.17	1.50	
			R8918490	354.48	356.01	1.52	.01	.07	.06	.02	1.51	
			R8918491	356.01	357.83	1.83						
356.92	423.98	DACITE FLOW: Greenish grey, feldspar (1-2mm) phyric, fine grained dacite flow. Randomly orientated quartz + chlorite ± albite ± epidote veinlets.										
		362.71 364.24 BASALTIC DYKE: Massive, dark green, fine grained basalt dyke; in part amphibole (<1mm) phyric. Rare magnetite + chlorite ± albite ± epidote veinlets. Contacts @ 50° to CA.										
		381.00 382.22 BASALTIC DYKE: Similar to 362.71 - 364.24 metres.										
		408.43 423.98 DACITE FLOW BRECCIA: Flow brecciated section										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		411.02 411.48 FAULT Broken and fractured core; chlorite slip @ 10-20° to CA.										
		417.58 418.19 FAULT Broken and fractured core; minor clay gouge. Chlorite slip @ 20-30° to CA.										
423.98	467.26	DACITE LAPILLI TUFF: HEMATITIC Mixed sequence of greenish grey and maroon dacite lapilli tuff and feldspar (1-2mm) phyric dacite flow breccia. Lapilli are <1 cm diameter, angular, and consist of white felsic volcanic, chert, and jasper. Layering @ 30° to CA. Unit cut by numerous chlorite + epidote ± pyrite veinlets with albite envelopes (<2cm).	R8919840	467.26	468.33	1.07						
467.26	483.95	EXHALITIC TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Mixed interval of layered to brecciated white chert and altered volcanic clasts in a sericite-pyrite altered ash tuff matrix (debris flow). Disseminated fine grained pyrite (5%), minor sphalerite and trace chalcopyrite. Lower contact sharp @ 40° to CA (chlorite slip).	R8919841	468.33	468.63	.30	.05	1.82	.87	.18	1.16	
			Z62	468.33	470.31	1.98						
			R8919842	468.63	470.31	1.68	.01	.53	.13	.21	1.03	
			R9011811	470.31	471.83	1.52						
			R9011812	471.83	472.74	.92						
			R9011813	472.74	473.35	.61						
			R9011814	473.35	474.88	1.52						
			R9011815	474.88	476.40	1.52						
			R9011816	476.40	477.93	1.52						
			R9011817	477.93	479.15	1.22						
			R9011818	479.15	480.97	1.83						
			R9011819	480.97	482.80	1.83						
			R9011820	482.80	484.02	1.22						
483.95	500.31	DACITE LAPILLI TUFF: CHLORITIC Dark green, chloritic, homolithic dacite lapilli tuff. Irregular zones of pervasive albite alteration towards bottom of interval. Weak foliation @ 40° to CA. Lower contact gradational.	R8919843	498.96	500.33	1.37						
500.31	533.40	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Mixed interval of grey bleached sericite-pyrite altered ash and lapilli tuff with chert rich sections and clasts. Randomly orientated quartz ± albite ± chlorite veinlets. Disseminated and clasts of pyrite (2-5%). Weak layering defined by aligned clasts @ 30° to CA.	R8919844	500.33	501.70	1.37						
			R8919845	501.70	503.23	1.52						
			R8919846	503.23	503.65	.43						
			R8919847	503.65	505.05	1.40						
			R8919848	505.05	506.58	1.52						
			R8919849	506.58	508.10	1.52						
			R8919850	508.10	509.63	1.52						
			R8919851	509.63	511.15	1.52						
			R8919852	511.15	512.67	1.52						
			R8919853	514.20	515.72	1.52						
			R8919854	515.72	517.25	1.52						
			R8919855	517.25	518.77	1.52						
			R8919856	518.77	520.29	1.52						
			R8919857	520.29	521.82	1.52						
		527.15 527.49 BASALTIC DYKE: Brown, biotite altered, fine grained basalt. Contacts @ 40° to CA.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8919858	521.82	523.34	1.52						
			R8919859	523.34	524.26	.91						
			R8919860	524.26	525.78	1.52						
			R8919861	525.78	527.15	1.37						
			R8919862	527.49	528.83	1.34						
			R8919863	528.83	530.35	1.52						
			R8919864	530.35	531.88	1.52						
			R8919865	531.88	533.40	1.52						
533.40	550.77	DACITE ASH TUFF: SERICITIC , WITH DISSEMINATED PYRITE Foliated, greyish green, sericite altered dacite ash tuff. Minor white angular chert clasts and laminae increase towards bottom of interval. Cordierite porphyroblasts (tabular, pale green, 1-4mm) altered to sericite &/or clays. Disseminated pyrite (<2%). Foliation @ 40-50° to CA. Lower contact gradational.	R8919866	533.40	534.92	1.52						
			R8919867	534.92	536.45	1.52						
			R8919868	536.45	537.97	1.52						
			R8919869	537.97	539.50	1.52						
			R8919870	539.50	541.02	1.52						
			R8919871	541.02	542.54	1.52						
			R8919872	542.54	544.07	1.52						
			R8919873	544.07	545.59	1.52						
			R8919874	545.59	547.12	1.52						
			R8919875	547.12	548.64	1.52						
			R8919876	548.64	550.16	1.52						
			R8919877	550.16	551.69	1.52						
550.77	562.51	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Foliated sequence of laminated chert, wispy chert clasts and greyish green sericite altered dacite tuff. Cordierite (?) porphroblasts (tabular, 1-4mm, white to clear) throughout interval. Disseminated pyrite (2-5%). Foliation @ 40° to CA. Lower contact @ 20-30° to CA. 561.14 562.51 Sericite-pyrite altered dacite ash tuff interval with brown cordierite (?) porphyroblasts (1-3mm, tabular).	R8919878	551.69	553.21	1.52						
			R8919879	553.21	554.74	1.52						
			R8919880	554.74	556.26	1.52						
			R8919881	556.26	557.78	1.52						
			R8919882	557.78	558.82	1.04						
			R8919883	558.82	560.83	2.01						
			R8919160	560.83	562.57	1.74	.02	.56	.10	.06	.11	
562.51	564.95	ZINC FACIES: Mixed interval of honey sphalerite (20%), pyrite (40%) and lesser chert, gypsum, ash tuff, galena (1-2%), and trace chalcopyrite. Lower contact and layering @ 25° to CA.	R8919161	562.57	563.12	.55	.17	8.95	1.78	.92	6.20	
			ZAS	562.57	568.51	5.94						
			R8919162	563.12	564.03	.91	.13	10.10	1.42	4.65	18.32	
			R8919163	564.03	564.98	.95	.10	5.58	.90	.40	23.90	
564.95	633.37	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Mixed interval of laminated and brecciated chert, sericite altered dacite ash tuff, gypsum, barite (?), and sulphides (debris flow). Sulphides consist of disseminated pyrite (5-10%), minor sphalerite, and trace galena and chalcopyrite. 564.95 576.99 Thinly laminated to wispy chert, gypsum, barite (?), sulphides and tuff. Some small scale folds. Sulphides consist of fine grained pyrite (10%), sphalerite (1-2%) and trace galena. Bright green mineral (fuchite ?) forms clots	R8919164	564.98	565.95	.98	.04	.92	.09	.04	.16	
			R8919884	565.95	566.26	.30	.01	19.11		10.60	1.55	
			R8919885	566.26	567.11	.85	.06	13.56		1.38	2.42	
			R8919886	567.11	567.48	.37	.03	9.05		1.69	2.89	
			R8919887	567.48	568.51	1.04	.06	6.56			2.12	
			R8919888	568.51	569.98	1.46	.04					
			R8919889	569.98	571.50	1.52	.05					
			R8919890	571.50	573.02	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		@ 569.67 metres.	R8919891	573.02	573.82	.79						
576.99	633.37	Brecciated chert, barite, sericite altered dacite tuff and sulphides (debris flow) with some laminated sections. Bands of semi-massive pyrite 20-30 cm thick.	R8919892	573.82	575.16	1.34						
			R8919893	575.16	576.59	1.43						
			R8919894	576.59	577.53	.94						
582.78	584.61	Brown biotite + cordierite hornfelsed basalt tuff or dyke (?); in part feldspar phyric. Minor disseminated medium grained pyrite. Upper contact @ 30° to CA; lower contact irregular.	R8919895	577.53	578.21	.67						
			R8919896	578.21	579.73	1.52						
			R8919897	579.73	581.25	1.52						
			R8919898	581.25	582.78	1.52						
597.41	598.17	BASALTIC DYKE: Similar to 582.78 - 584.61 metres.	R8919899	584.61	586.13	1.52						
613.26	614.48,	With MASSIVE PYRITE Massive fine grained pyrite.	R8919900	586.13	587.65	1.52						
615.39	615.71,	With MASSIVE PYRITE Massive pyrite.	R8919901	587.65	589.18	1.52						
615.71	617.52	BASALTIC DYKE: Similar to 582.78 - 584.61 metres.	R8919902	589.18	590.70	1.52						
617.52	620.42,	With MASSIVE PYRITE.	R8919903	590.70	592.23	1.52						
630.94	633.37,	With MASSIVE PYRITE.	R8919904	592.23	593.75	1.52	.06					
			R8919905	593.75	595.27	1.52						
			R8919906	595.27	596.80	1.52						
			R8919907	596.80	597.41	.61						
			R8919908	598.26	599.85	1.59						
			R8919909	599.85	601.37	1.52						
			R8919910	601.37	602.89	1.52						
			R8919911	602.89	604.42	1.52						
			R8919912	604.42	605.94	1.52						
			R8919913	605.94	607.47	1.52						
			R8919914	607.47	608.99	1.52						
			R8919915	608.99	610.51	1.52						
			R8919916	610.51	612.04	1.52						
			R8919917	612.04	613.04	1.01						
			R8919918	613.04	614.54	1.49						
			R8919919	614.54	616.00	1.46						
			R8919920	616.00	617.53	1.52						
			R8919921	617.53	619.57	2.04						
			R8919922	619.57	621.18	1.61						
			R8919923	621.18	622.71	1.52						
			R8919924	622.71	624.23	1.52						
			R8919925	624.23	625.75	1.52						
			R8919926	625.75	627.28	1.52						
			R8919927	627.28	628.80	1.52						
			R8919928	628.80	630.33	1.52						
			R8919929	630.33	631.30	.98						
			R8919930	631.30	633.01	1.71						
633.37	662.94	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Layered and foliated bleached grey sericite + pyrite altered ash and lapilli tuff. Lapilli <3 cm diameter, angular, and parallel alligned. Disseminated to semi-massive fine grained pyrite (15-20%). Hole ends in heavy disseminated pyrite.											

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
662.94		EOH										

Hole No: TCU89-16
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15375.60
(metres) E: 10662.70

Azimuth: 256.0
Dip: -70.9
Length (m): 662.94
Elevation: 112.70
(metres)
Purpose:

Core Size: BQ-2
Drill Name: UNDERGROUND
Contractor: Coates
Started: August 28, 1989
Completed:
Recovery: Good

Date Logged: September 2, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 21, 1992
Re-logged By: G.L. Dawson
Report Printed: 19 Feb, 1993 10:03pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8918479	339.24	340.77	1.52		.00						564	8.8	843	20	216						
R8918480	340.77	341.83	1.07		.00						706	10.6	829	67	146						
R8918481	341.83	342.90	1.07		15.01	.04					1126	16.2	1590	144	6010						
R8918482	342.90	344.42	1.52		.00						236	5.7	765	431	7900						
R8918483	344.42	345.95	1.52		.00						98	6.1	725	1600	7270						
R8918484	345.95	347.47	1.52		.00						70	5.5	693	941	4340						
R8918485	347.47	349.00	1.52	3.81	19.87	.01	.36	.28	.39	1.65	280	12.3	2690	3800	>19100						
R8918486	349.00	350.52	1.52	3.81	14.92	.01	.25	.09	.29	1.06	460	9.2	845	2810	>11200						
R8918487	350.52	352.20	1.68	3.81	8.37	.01	.34	.04	.30	.44	288	12.1	452	2910	4980						
R8918488	352.2	352.74	.55	3.81	21.85	.02	1.17	.23	.24	1.40	402	37.2	2140	2240	>15100						
R8918489	352.74	354.48	1.74	3.81	12.26	.00	.15	.13	.17	1.50	34	4.8	1330	1640	>16700						
R8918490	354.48	356.01	1.52	3.81	12.94	.01	.06	.06	.02	1.51	40	2.2	549	206	>17100						
R8918491	356.01	357.83	1.83		.00						24	1.8	745	86	1350						
R8919840	467.26	468.33	1.07		.00						480	10.0	749	940	3450						
R8919841	468.33	468.63	.30	3.81	41.08	.05	1.63	.87	.18	1.16	1220	50.0	9030	1540	>12600						
R8919842	468.63	470.31	1.68	3.81	14.89	.01	.48	.13	.21	1.03	480	17.9	1210	1910	9520						
R9011811	470.31	471.83	1.52		.00						<10	.8	12	34	63						
R9011812	471.83	472.74	.92		.00						<10	.6	10	12	27						
R9011813	472.74	473.35	.61		.00						<10	<.4	15	9	83						
R9011814	473.35	474.88	1.52		.00						232	6.3	877	151	2650						
R9011815	474.88	476.40	1.52		.00						40	1.6	102	49	166						
R9011816	476.40	477.93	1.52		.00						<10	.8	34	41	59						
R9011817	477.93	479.15	1.22		.00						<10	.7	20	12	15						
R9011818	479.15	480.97	1.83		.00						24	2.2	35	28	25						
R9011819	480.97	482.80	1.83		.00						<10	.9	16	15	33						
R9011820	482.80	484.02	1.22		.00						<10	<.4	29	14	80						
R8919843	498.96	500.33	1.37		.00						24	.7	93	81	607						
R8919844	500.33	501.70	1.37		.00						60	10.9	495	1690	6660						
R8919845	501.70	503.23	1.52		.00						24	3.4	444	469	2050						
R8919846	503.23	503.65	.43		.00						<10	.6	34	45	334						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8919847	503.65	505.05	1.40		.00						80	.8	20	13	62						
R8919848	505.05	506.58	1.52		.00						32	.4	21	26	73						
R8919849	506.58	508.10	1.52		.00						<10	1.1	127	17	79						
R8919850	508.10	509.63	1.52		.00						<10	.4	9	10	63						
R8919851	509.63	511.15	1.52		.00						<10	.7	19	21	105						
R8919852	511.15	512.67	1.52		.00						<10	.7	65	48	96						
R8919853	514.20	515.72	1.52		.00						64	.4	21	25	96						
R8919854	515.72	517.25	1.52		.00						352	3.4	38	61	181						
R8919855	517.25	518.77	1.52		.00						96	1.1	31	57	148						
R8919856	518.77	520.29	1.52		.00						32	<.4	18	8	81						
R8919857	520.29	521.82	1.52		.00						<10	<.4	15	6	77						
R8919858	521.82	523.34	1.52		.00						32	.5	13	9	87						
R8919859	523.34	524.26	.91		.00						20	<.4	9	18	95						
R8919860	524.26	525.78	1.52		.00						<10	.5	10	6	69						
R8919861	525.78	527.15	1.37		.00						<10	.6	10	10	79						
R8919862	527.49	528.83	1.34		.00						20	<.4	13	7	50						
R8919863	528.83	530.35	1.52		.00						<10	<.4	16	5	60						
R8919864	530.35	531.88	1.52		.00						<10	.4	14	8	73						
R8919865	531.88	533.40	1.52		.00						<10	<.4	9	7	96						
R8919866	533.40	534.92	1.52		.00						42	.6	12	7	82						
R8919867	534.92	536.45	1.52		.00						60	.4	21	20	70						
R8919868	536.45	537.97	1.52		.00						96	1.1	25	6	85						
R8919869	537.97	539.50	1.52		.00						20	.6	19	23	95						
R8919870	539.50	541.02	1.52		.00						<10	1.0	17	48	91						
R8919871	541.02	542.54	1.52		.00						<10	.5	15	10	57						
R8919872	542.54	544.07	1.52		.00						<10	.7	16	23	95						
R8919873	544.07	545.59	1.52		.00						<10	<.4	16	11	90						
R8919874	545.59	547.12	1.52		.00						<10	.5	12	16	103						
R8919875	547.12	548.64	1.52		.00						24	1,5	18	22	81						
R8919876	548.64	550.16	1.52		.00						20	<.4	9	18	200						
R8919877	550.16	551.69	1.52		.00						100	1.4	28	85	307						
R8919878	551.69	553.21	1.52		.00						52	.8	22	14	307						
R8919879	553.21	554.74	1.52		.00						20	.6	25	8	249						
R8919880	554.74	556.26	1.52		.00						124	1.5	41	18	169						
R8919881	556.26	557.78	1.52		.00						42	.5	16	4	64						
R8919882	557.78	558.82	1.04		.00						32	.9	43	4	49						
R8919883	558.82	560.83	2.01		.00						44	.7	16	7	62						
R8919160	560.83	562.57	1.74		10.81	.02	.50	.10	.06	.11		15.8	856	425	705						
R8919161	562.57	563.12	.55	3.54	145.41	.15	7.99	1.78	.92	6.20		>256.5	>17100	8850	>51550						
R8919162	563.12	564.03	.91	4.06	222.80	.12	9.02	1.42	4.65	18.32		>290.0	>13420	>44100	>73000						
R8919163	564.03	564.98	.95	4.07	213.13	.09	4.98	.90	.40	23.90		>168.0	8490	3760	>03000		2871		1350		
R8919164	564.98	565.95	.98	3.81	18.70	.04	.82	.09	.04	.16		27.5	807	288	1410						
R8919884	565.95	566.26	.30	3.81	101.28	.01	17.07		10.60	1.55	>16020	>565.0	2960	3590	>17100						
R8919885	566.26	567.11	.85	3.81	78.33	.06	12.11		1.38	2.42	1820	>417.5	3640	>11700	>21300						
R8919886	567.11	567.48	.37	3.81	60.28	.03	8.08		1.69	2.89	886	>289.0	4590	>15000	>30700						
R8919887	567.48	568.51	1.04	3.81	50.32	.05	5.85			2.12	1364	>195.0	2620	9600	>19700						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8919888	568.51	569.98	1.46		12.76	.03					826	9.9	98	194	96						
R8919889	569.98	571.50	1.52		15.76	.04					1030	9.5	135	82	68						
R8919890	571.50	573.02	1.52		.00						284	2.4	36	43	27						
R8919891	573.02	573.82	.79		.00						256	2.8	31	63	48						
R8919892	573.82	575.16	1.34		.00						216	2.3	81	36	2160						
R8919893	575.16	576.59	1.43		.00						160	3.0	274	52	5890						
R8919894	576.59	577.53	.94		.00						80	1.4	119	49	2160						
R8919895	577.53	578.21	.67		.00						140	2.8	199	92	579						
R8919896	578.21	579.73	1.52		.00						122	5.5	649	47	2260						
R8919897	579.73	581.25	1.52		.00						120	6.1	1300	124	2100						
R8919898	581.25	582.78	1.52		.00						40	2.8	333	197	2830						
R8919899	584.61	586.13	1.52		.00						346	8.1	301	109	2510						
R8919900	586.13	587.65	1.52		.00						600	11.7	60	190	215						
R8919901	587.65	589.18	1.52		.00						566	7.6	42	184	690						
R8919902	589.18	590.70	1.52		.00						152	5.1	33	117	500						
R8919903	590.70	592.23	1.52		.00						260	8.4	30	45	89						
R8919904	592.23	593.75	1.52		18.76	.05					1566	31.6	78	278	670						
R8919905	593.75	595.27	1.52		.00						260	9.2	181	593	2040						
R8919906	595.27	596.80	1.52		.00						92	2.3	1550	212	7880						
R8919907	596.80	597.41	.61		.00						120	3.2	1980	32	5480						
R8919908	598.26	599.85	1.59		.00						72	1.6	373	32	207						
R8919909	599.85	601.37	1.52		.00						112	3.0	1760	47	1720						
R8919910	601.37	602.89	1.52		.00						136	4.3	2330	125	1180						
R8919911	602.89	604.42	1.52		.00						60	2.3	1440	211	3140						
R8919912	604.42	605.94	1.52		.00						20	<.4	107	31	286						
R8919913	605.94	607.47	1.52		.00						44	<.4	79	37	92						
R8919914	607.47	608.99	1.52		.00						140	1.8	2040	40	1940						
R8919915	608.99	610.51	1.52		.00						80	1.5	2350	27	2240						
R8919916	610.51	612.04	1.52		.00						60	.5	856	22	1410						
R8919917	612.04	613.04	1.01		.00						40	<.4	116	8	193						
R8919918	613.04	614.54	1.49		.00						<10	<.4	77	<4	189						
R8919919	614.54	616.00	1.46		.00						190	4.7	596	25	88						
R8919920	616.00	617.53	1.52		.00						<10	<.4	100	<4	276						
R8919921	617.53	619.57	2.04		.00						280	.8	266	18	290						
R8919922	619.57	621.18	1.61		.00						112	.9	281	18	232						
R8919923	621.18	622.71	1.52		.00						122	1.3	376	37	3670						
R8919924	622.71	624.23	1.52		.00						60	.9	280	22	2790						
R8919925	624.23	625.75	1.52		.00						40	.9	195	91	1990						
R8919926	625.75	627.28	1.52		.00						52	2.1	716	73	4400						
R8919927	627.28	628.80	1.52		.00						58	1.3	275	132	1640						
R8919928	628.80	630.33	1.52		.00						116	2.0	183	128	94						
R8919929	630.33	631.30	.98		.00						52	2.3	432	71	541						
R8919930	631.30	633.01	1.71		.00						80	2.6	773	68	116						

Hole No: TCU89-17
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 176.0
Dip: -45.0
Length (m): 498.04
Elevation: 112.81 (metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: August 28, 1989
Completed: September 6, 1989
Recovery: Good

Date Logged: August 31, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 22, 1992
Re-logged By: G.L. Dawson
Report Printed: 9 Feb, 1993 4:21am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	176.0	-45.0															
91.4	175.0	-45.0	182.9		-45.0	274.3	175.0	-45.0	365.8	175.0	-45.5	498.0	176.0	-45.5			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	.61	CASING										
.61	12.80	DACITE FLOW BRECCIA: PROPYLITIC Greyish green, propylitically altered, feldspar (1-2mm) phyric, fine grained to aphanitic andesite flow breccia. Vein types include: (i) chlorite veinlets with albite envelopes to irregular pervasive zones, and (ii) prehnite (fibrous white soft mineral) along fractures. Minor zones of disseminated very fine grained hematite. Lower contact infilled by quartz + chlorite vein @ 60° to CA. 11.43 12.04 FAULT Broken core with minor gouge; chlorite slip @ 50° to CA.										
12.80	16.46	BASALTIC DYKE: Dark green, aphanitic basalt dyke. Some quartz + epidote + chlorite ± magnetite veins. Lower contact @ 55° to CA.										
16.46	70.10	DACITE FLOW: Similar to 0.61 - 12.80 metres. Lower contact sharp @ 50° to CA. 25.30 70.10 Finely disseminated hematite. 38.71 39.62 BASALTIC DYKE: Similar to 12.80 - 16.46 metres. 40.54 41.54 BASALTIC DYKE: Similar to 12.80 - 16.46 metres. 42.37 44.50 BASALTIC DYKE: Similar to 12.80 - 16.46 metres; in part amphibole (<2mm) phyric and chloritic. 50.60 60.50 BASALTIC DYKE: Massive, greenish black, aphanitic dyke. 64.77 66.07 BASALTIC DYKE: Similar to 12.80 - 16.46 metres.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
70.10	77.42	BASALT UNDIFFERENTIATED: Medium green, fine grained to aphanitic, basalt flow or dyke. Minor chlorite + albite + quartz + pyrite veins in bottom 3 metres of interval. Lower contact sharp @ 50° to CA.										
77.42	235.61	DACITE FLOW: HEMATITIC Maroon and greyish green, propylitically altered, feldspar (1-2mm) ± quartz (<1mm) phyric, fine grained to aphanitic dacite flow. Minor interflow breccia and lapilli tuff. Rare lapilli clasts of jasper. Quartz + epidote + garnet ± chlorite veins with albite selvages. Weak foliation in some chloritic sections @ 30° to CA. 152.40 156.51 BASALTIC DYKE: Similar to 50.60 - 60.50 metres. 159.41 161.54 BASALTIC DYKE: Similar to 50.60 - 60.50 metres. 169.01 169.85 BASALTIC DYKE: Similar to 12.80 - 16.46 metres. 192.94 235.61 DACITE FLOW BRECCIA: Dark green and maroon dacite flow breccia containing feldspar phyric dacite flow clasts (2-10cm). Foliation or layering @ 60-70° to CA. 222.20 235.61 FAULT Clay + pyrite altered brecciated section; in part infilled by a younger QFP dyke. Lower contact sharp @ 20 - 30° to CA.										
235.61	311.96	QUARTZ FELDSPAR PORPHYRY DYKE: Medium green, quartz (<2mm) and plagioclase (1-6mm) phyric, fine grained felsic dyke. Plagioclase crystals have white cores with clear rims; some are in part altered to calcite + chlorite. Randomly orientated calcite + chlorite veinlets. Lower contact chlorite slip @ 25° to CA.	R8917793	310.29	311.96	1.68						
311.96	340.31	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Mixed interval of sericite + carbonate + silica altered ash to lapilli tuff and thinly laminated chert. Some small scale folds in the laminated chert intervals. Pyrite occurs as fine to coarse grained disseminations and in quartz stringers; minor disseminated sphalerite. Lower contact @ 10 - 20° to CA.	R8917794	311.96	313.03	1.07						
			R8917795	313.03	314.55	1.52						
			R8917796	314.55	316.08	1.52						
			R8917797	316.08	317.60	1.52						
			R8917798	317.60	319.13	1.52						
			R8917799	319.13	320.65	1.52						
			R8917800	320.65	322.17	1.52						
			R8917801	322.17	323.70	1.52						
			R8917802	323.70	325.22	1.52						
			R8917803	325.22	326.75	1.52						
			R8917804	326.75	328.42	1.68						
			R8917805	328.42	330.10	1.68						
			R8917806	330.10	331.62	1.52						
			R8917807	331.62	333.15	1.52						
			R8917808	333.15	336.50	3.35						
			R8917809	336.50	338.02	1.52						
			R8917810	338.02	339.55	1.52						
			R8917811	339.55	340.31	.76						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
340.31	342.60	QUARTZ FELDSPAR PORPHYRY DYKE: Similar to 235.61 - 311.96 metres, however finer grained. Lower contact irregular @ 60° to CA.										
342.60	372.92	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Similar to 311.96 - 340.31 metres. Lower contact chlorite slip @ 10° to CA.	R8917812	342.69	344.42	1.74						
			R8917813	344.42	345.95	1.52						
			R8917814	345.95	347.47	1.52						
			R8917815	347.47	349.00	1.52						
			R8917816	349.00	351.13	2.13						
			R8917817	351.13	352.04	.91						
			R8917818	352.04	353.57	1.52						
			R8917819	353.57	355.09	1.52						
			R8917820	355.09	356.62	1.52						
			R8917821	356.62	358.14	1.52						
			R8917822	358.14	359.66	1.52						
			R8917823	359.66	361.19	1.52						
			R8917824	361.19	362.71	1.52						
			R8918447	362.71	364.24	1.52						
			R8918448	364.24	365.76	1.52						
			R8918449	365.76	367.28	1.52						
			R8918450	367.28	368.81	1.52						
			R8918451	368.81	370.33	1.52						
			R8918452	370.33	371.86	1.52						
			R8918453	371.86	372.77	.91						
372.92	375.21	QUARTZ FELDSPAR PORPHYRY DYKE: Similar to 235.61 - 311.96 metres. Lower contact chlorite slip @ 30° to CA.	R8918454	375.21	376.43	1.22						
375.21	388.32	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Similar to 311.96 - 340.31 metres. Lower contact sharp @ 60° to CA.	R8918455	376.43	377.95	1.52						
			R8918456	377.95	379.48	1.52						
			R8918457	379.48	381.00	1.52						
			R8918458	381.00	382.52	1.52						
			R8918459	382.52	384.05	1.52						
			R8918460	384.05	385.57	1.52						
			R8918461	385.57	387.10	1.52						
			R8918462	387.10	388.10	1.01						
388.32	390.75	BASALTIC DYKE: Dark green, fine grained to aphanitic basalt dyke.										
390.75	392.73	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Similar to 311.96 - 340.31 metres. Lower contact @ 90° to CA.	R8918463	390.97	392.43	1.46						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
392.73	394.11	BASALTIC DYKE: Similar to 388.32 - 390.75 metres. Lower contact irregular @ 90° to CA.	R8918464	394.11	395.93	1.83						
394.11	404.47	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Similar to 311.96 - 340.31 metres. Lower contact gradational.	R8918465	395.93	396.64	.70						
			R8918466	396.64	398.07	1.43						
			R8918467	398.07	399.59	1.52						
			R8918468	399.59	401.12	1.52						
			R8918469	401.12	402.64	1.52						
			R8918470	402.64	404.47	1.83						
404.47	411.63	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE , WITH STRINGER PYRITE Similar to 311.96 - 340.31 metres, however increased pyrite (5-10%) ± quartz veins and stringers (1-30mm). Minor sphalerite. Lower contact gradational.	R8918471	404.47	405.32	.85						
			R8918472	405.32	406.91	1.58						
			R8918473	406.91	408.43	1.52						
			R8918474	408.43	409.96	1.52						
			R8918475	409.96	410.72	.76						
			R8918476	410.72	411.48	.76					2.81	
			R8918477	411.48	413.00	1.52						
411.63	433.12	BASALT LAPILLI TUFF: SERICITIC , WITH DISSEMINATED PYRITE Tan and brown, sericite - pyrite (5-10%, fine grained, disseminated) altered basalt lapilli tuff (aquigene breccia). Lapilli are <1-10 cm in diameter, in part interlocking, angular and clast supported. Matrix is in part biotite altered. Cordierite porphyroblasts (2-4mm) increase towards bottom of interval.										
433.12	435.33	BASALTIC DYKE: Medium green, fine grained, basalt dyke. Some irregular quartz ± chlorite veins.										
435.33	454.76	BASALT LAPILLI TUFF: BIOTITIC , WITH DISSEMINATED PYRITE Brown and tan, sericite + biotite altered basalt lapilli tuff. Lapilli are: angular, 1-10 cm, selectively sericite altered and quartz amygdaloidal. Matrix consists of brown biotite altered ash and fine lapilli (<1cm). Cordierite porphyroblasts (brown, 2-4mm) and disseminated pyrite (2-3%) occur throughout interval. Lower contact @ 50° to CA.										
454.76	470.15	QUARTZ FELDSPAR PORPHYRY DYKE: Similar to 235.61 - 311.96 metres. Lower contact @ 80° to CA.										
470.15	498.04	BASALT LAPILLI TUFF: BIOTITIC , WITH STRINGER PYRITE Similar to 435.33 - 454.76 metres, however interval cut by numerous pyrite veins (0.1-2.0 metres) and veinlets. Disseminated pyrite within quartz amygdules. 477.62 478.00, With MASSIVE PYRITE Medium to coarse grained pyrite vein @	R8918478	480.36	482.04	1.68						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		70° to CA.										
480.36	481.89,	With MASSIVE PYRITE Medium to coarse grained pyrite vein @ 30-40° to CA.										
498.04		EOH										

Hole No: TCU89-17
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 176.0
Dip: -45.0
Length (m): 498.04
Elevation: 112.81
(metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: August 28, 1989
Completed: September 6, 1989
Recovery: Good

Date Logged: August 31, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 22, 1992
Re-logged By: G.L. Dawson
Report Printed: 19 Feb, 1993 10:03pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8917793	310.29	311.96	1.68		.00						<10	.4	72	15	66						
R8917794	311.96	313.03	1.07		.00						60	1.0	106	17	105						
R8917795	313.03	314.55	1.52		.00						80	1.1	35	12	23						
R8917796	314.55	316.08	1.52		.00						508	2.8	59	17	26						
R8917797	316.08	317.60	1.52		.00						542	4.8	56	25	46						
R8917798	317.60	319.13	1.52		.00						184	1.9	16	14	161						
R8917799	319.13	320.65	1.52		.00						126	1.9	87	48	241						
R8917800	320.65	322.17	1.52		.00						176	3.8	36	167	373						
R8917801	322.17	323.70	1.52		.00						106	1.1	19	25	60						
R8917802	323.70	325.22	1.52		.00						70	1.1	16	13	26						
R8917803	325.22	326.75	1.52		.00						78	1.8	16	18	24						
R8917804	326.75	328.42	1.68		.00						168	5.7	38	37	25						
R8917805	328.42	330.10	1.68		.00						148	2.9	37	18	34						
R8917806	330.10	331.62	1.52		.00						<10	.5	17	8	14						
R8917807	331.62	333.15	1.52		.00						<10	<.4	12	15	14						
R8917808	333.15	336.50	3.35		.00						32	<.4	16	10	17						
R8917809	336.50	338.02	1.52		.00						142	1.5	39	14	23						
R8917810	338.02	339.55	1.52		.00						116	1.5	42	15	21						
R8917811	339.55	340.31	.76		.00						224	1.8	115	22	38						
R8917812	342.69	344.42	1.74		.00						60	.8	25	9	19						
R8917813	344.42	345.95	1.52		.00						94	1.3	18	6	27						
R8917814	345.95	347.47	1.52		.00						98	1.5	23	5	48						
R8917815	347.47	349.00	1.52		.00						88	2.4	20	11	16						
R8917816	349.00	351.13	2.13		.00						230	4.1	29	13	21						
R8917817	351.13	352.04	.91		.00						26	2.2	23	8	12						
R8917818	352.04	353.57	1.52		.00						200	1.4	65	13	21						
R8917819	353.57	355.09	1.52		.00						284	2.1	52	20	27						
R8917820	355.09	356.62	1.52		.00						104	.7	26	23	20						
R8917821	356.62	358.14	1.52		.00						60	.7	23	29	16						
R8917822	358.14	359.66	1.52		.00						72	1.9	19	24	22						
R8917823	359.66	361.19	1.52		.00						316	3.0	19	34	23						
R8917824	361.19	362.71	1.52		.00						100	.7	18	19	20						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8918447	362.71	364.24	1.52		.00						22	<.4	28	37	82						
R8918448	364.24	365.76	1.52		.00						20	.7	19	22	67						
R8918449	365.76	367.28	1.52		.00						22	.4	23	13	41						
R8918450	367.28	368.81	1.52		.00						24	1.0	299	10	54						
R8918451	368.81	370.33	1.52		.00						28	<.4	29	13	50						
R8918452	370.33	371.86	1.52		.00						50	.4	33	9	30						
R8918453	371.86	372.77	.91		.00						30	.5	44	10	36						
R8918454	375.21	376.43	1.22		.00						<10	<.4	48	11	38						
R8918455	376.43	377.95	1.52		.00						<10	<.4	116	11	58						
R8918456	377.95	379.48	1.52		.00						<10	.5	44	9	45						
R8918457	379.48	381.00	1.52		.00						22	<.4	35	6	32						
R8918458	381.00	382.52	1.52		.00						<10	.4	55	9	37						
R8918459	382.52	384.05	1.52		.00						<10	<.4	84	14	51						
R8918460	384.05	385.57	1.52		.00						<10	<.4	122	30	44						
R8918461	385.57	387.10	1.52		.00						<10	<.4	28	5	30						
R8918462	387.10	388.10	1.01		.00						24	.7	30	7	26						
R8918463	390.97	392.43	1.46		.00						22	<.4	24	22	55						
R8918464	394.11	395.93	1.83		.00						58	.8	29	81	361						
R8918465	395.93	396.64	.70		.00						58	1.4	26	70	65						
R8918466	396.64	398.07	1.43		.00						62	1.0	23	42	57						
R8918467	398.07	399.59	1.52		.00						64	.7	28	27	51						
R8918468	399.59	401.12	1.52		.00						68	.5	20	23	43						
R8918469	401.12	402.64	1.52		.00						58	.6	18	20	30						
R8918470	402.64	404.47	1.83		.00						60	.6	23	28	57						
R8918471	404.47	405.32	.85		.00						98	1.9	522	29	537						
R8918472	405.32	406.91	1.58		.00						60	<.4	39	27	56						
R8918473	406.91	408.43	1.52		.00						64	1.3	35	60	60						
R8918474	408.43	409.96	1.52		.00						62	3.9	142	449	1730						
R8918475	409.96	410.72	.76		.00						100	3.0	178	322	980						
R8918476	410.72	411.48	.76		18.04					2.81	302	16.8	3660	1910	>29700						
R8918477	411.48	413.00	1.52		.00						98	3.7	400	151	837						
R8918478	480.36	482.04	1.68		.00						44	.7	17	11	61						

Hole No: TCU89-18
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 199.6
Dip: -75.9
Length (m): 596.50
Elevation: 112.78 (metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started:
Completed:
Recovery:

Date Logged: September 14, 1989
Logged By: EAD
Date Re-logged:
Re-logged By: G.L. Dawson / W. Melnyk
Report Printed: 9 Feb, 1993 4:22am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	199.6	-75.9															
12.2	198.0	-78.0	213.4	196.0	-78.0	396.2		-80.0	594.4		-78.0						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	39.20	DACITE LAPILLI TUFF: PROPYLITIC Pale green, grey, maroon feldspar phyric dacite lapilli tuffs, minor ash tuff, and flow breccia. Entire interval is cut by epidote-chlorite-quartz veins with albite alteration halos. Numerous basalt dykes cut this section. Heterolithic, weakly to moderately hematitic. .00 22.80 Pale green to grey, weakly hematitic, heterolithic, contorted chloritic matrix. 12.50 14.00 Sheared, foliated 45° WCA; pale, chloritic. 22.80 26.50 Basalt dyke. Fine-grained, homogenous, massive unit. Top contact 60° WCA, bottom contact 5° WCA. 26.50 28.40 Pale yellow-green dacite, epidote-chlorite altered. 28.40 31.50 Basalt dyke. Same as 22.8 - 26.5 m. 31.50 39.20 Dacite lapilli tuff, feldspar phyric, maroon hematitic, locally bleached.										
39.20	52.10	DACITE ASH TUFF: SILICIFIED Thinly bedded ash tuff mainly. Bedded at 45° WCA at top, 25° WCA near bottom. Chloritic and hematitic locally odd fragment to 1 cm and patchy zones feldspar phyric. Siliceous.										
52.10	67.90	DACITE LAPILLI TUFF: Homogenous pale grey feldspar phyric dacite lapilli tuff. Weakly hematitic cross-cutting chlorite-epidote-magnetite veins.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
67.90	89.50	DACITE ASH TUFF: Similar to 39.2 - 52.1 m. Bedding 20 - 25° WCA. Moderately hematitic (probably dacite lapilli tuff). 75.80 77.60 Basalt dyke. 77.60 84.10 Strongly shattered dacite lapilli tuff, bleached. 84.10 84.70 Basalt dyke, contacts at 30° WCA. 84.70 85.40 Dacite lapilli tuff. 86.20 87.10 Basalt augite dyke. Contacts 60° WCA.										
89.50	93.70	DACITE FLOW: Massive maroon feldspar phyric, narrow chlorite-epidote-albite veinlets. Contacts irregular at 35° WCA.										
93.70	124.70	DACITE LAPILLI TUFF: Ash flow banded, grey heterolithic, chloritic unit, locally feldspar phyric. Occasional banding at 30° WCA, felsic fragments in chloritic matrix. 98.30 100.00 Basalt dyke, massive, tinge brown after biotite. Both contacts sharp at 45° WCA. 105.80 107.60 Basalt dyke.										
124.70	387.60	BASALT UNDIFFERENTIATED: Fine to medium grained, medium green-grey flows; massive, homogenous, very minor chlorite-epidote-quartz veining. Locally feldspar phyric, mainly equigranular flows. 203.30 203.60 F: Crennulated, crushed, clay. Shear at 45° WCA. 221.00 F: 3 cm gouge 45° WCA. 338.30 338.80 Basalt dyke, brown pyroxene porphyritic.										
387.60	424.00	DACITE LAPILLI TUFF: Pale grey-green to dark green locally feldspar phyric, mainly massive chaotic contorted dumping, patches of bleached albite altered material widespread chlorite-epidote-quartz-magnetite veins. Feldspar phyric patches may represent crystal tuff sections. Weakly to moderately hematitic, crude banding throughout at 45° WCA. 392.90 396.20 Basalt dyke. Top contact 20° WCA, bottom irregular at 20° WCA. 411.60 412.50 Dacite ash tuff, fine grained, bedded 45° WCA. 412.50 418.80 Feldspar phyric brecciated flows or crystal tuffs. 418.80 424.00 Grey crudely banded homogenous lapilli tuff. Fragments up to 4 mm; chloritic.	R8920859	422.45	424.04	1.58						
424.00	427.60	EXHALITIC TUFF: SERICITIC Fine-grained pale grey, sericitic, weakly pyritic (fine-grained). Foliated, whispy siliceous bands with quartz-eyes. Dacite ash tuff. Cherty. 426.40 426.70 MPY - mixed with 30% quartz blebs.	R8920860 R8920861 R8920862 R8920863	424.04 424.59 425.29 426.11	424.59 425.29 426.11 427.63	.55 .70 .82 1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
427.60	434.00	DACITE FLOW BRECCIA: SILICIFIED Mottled grey-white siliceous unit with green chloritic-sericitic matrix hosting pale white grey siliceous fragments. Central section is feldspar phyric. Locally bleached. Flow brecciated. 430.40 6 cm crushed section. Gouge at 15° WCA.	R8920864	427.63	429.01	1.37						
			R8920865	433.03	434.07	1.04						
434.00	441.80	CHERT: SERICITIC Mixed sequence of mainly chert with lesser sericite altered dacite ash tuff, and sulphides(py, sl >> gn, cp) and minor barite. Section varies from thinly laminated to brecciated.	R8920866	434.07	434.83	.76						
			R8920867	434.83	435.10	.27	.04	1.68	.62	.71	3.43	
			Z65	434.83	438.15	3.32						
			R8920868	436.60	437.66	1.07	.06	.80	.34	.48	2.07	
			R8920869	437.66	438.15	.49	.11	4.09	1.36	1.62	6.90	
			R8920870	438.15	438.85	.70	.02	.79	.10	.63	2.44	
			Z66	438.15	441.87	3.72						
			R8920871	438.85	440.44	1.58	.05	.85	.14	.46	2.16	
			R8920872	440.44	441.87	1.43	.02	.81	.08	.68	2.38	
441.80	447.40	CHERT: SERICITIC Similar to previous section. Very fine grained siliceous, cherty; conchoidal fracture. Disseminated pyrite throughout, sericitic and weakly foliated.	R8920873	441.87	442.93	1.07			.01	.01		
			R8920874	442.93	444.40	1.46						
			R8920875	444.40	445.92	1.52						
			R8920876	445.92	447.45	1.52						
447.40	521.50	DACITE LAPILLI TUFF: Texturally variable unit of grey, banded to massive and brecciated lapilli tuffs (up to 10 cm diameter). Weakly hematitic. 447.40 480.10 Bedded, grey, uniform lapilli tuff, fragments 2 - 4 mm widespread, scarce chloritic, widespread thin albite altered halos. Bedding at 35° WCA. Locally short intervals: aphantic and glassy. Fragments larger in first 6 m, dark green chloritic to 2 cm; whispy. Minor garnet with quartz-chlorite-epidote veins. 480.10 521.50 Coarse fragmented dacite, feldspar phyric, auto-brecciated, tumbled. Chloritic-hematitic groundmass. Fragments are siliceous grey phyric, pale green, white up to 10 cm. 508.70 509.00 Basalt dyke.	R8920877	447.45	448.97	1.52						
521.50	529.70	DACITE ASH TUFF: Medium grey, well bedded. Fine - medium grained tuff fragments 1 - 2 mm. Banding at 20 - 35° WCA. Minor veining. Garnet associated with chlorite-epidote-albite veinlets. 529.10 529.70 Basalt dyke. Contacts sharp and chilled at 45° WCA.	R8920878	529.65	531.27	1.61						
529.70	536.40	EXHALITIC TUFF: SERICITIC , WITH DISSEMINATED PYRITE Grey-tan felsic laminated tuff, sericite altered dacite ash tuff containing whispy laminae and fragments of chert and sulphides. Minor	R8920879	531.27	532.79	1.52						
			R8920880	532.79	533.95	1.16						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		chlorite-epidote-albite-garnet veining.	R8920881	533.95	534.92	.98						
			R8920844	534.92	536.45	1.52	.00	.02	<.01	<.01	.08	
536.40	544.22	ZINC FACIES: SERICITIC , WITH MASSIVE SPHALERITE Semi-massive, banded, contorted and brecciated mineralized zone with 25% sphalerite, 2% galena, 1% tetrahedrite in a gangue of much barite and very fine grained siliceous rhyolitic material. Abundant patchy, waxy green sericite.	R8920845	536.45	537.54	1.10	.07	5.89	1.46	.14	16.23	
			ZAT	536.45	549.52	13.07						
			R8920846	537.54	538.22	.67	.09	6.44	1.08	5.85	19.66	
			R8920847	538.22	538.70	.49	.05	3.29	1.34	.45	17.25	
			R8920848	538.70	539.01	.30	.10	3.84	.36	4.20	25.09	
			R8920849	539.01	539.80	.79	.09	6.67	1.42	.08	8.45	
			R8920850	539.80	541.39	1.58	.05	5.67	1.04	1.47	12.18	
			R8920851	541.39	542.09	.70	.04	6.74	.66	4.46	18.33	
			R8920852	542.09	542.48	.40	.03	3.04	1.76	.50	12.08	
			R8920853	542.48	542.97	.49	.04	4.45	.93	3.53	16.43	
			R8920854	542.97	544.22	1.25	.03	4.41	.52	2.39	10.77	
544.22	549.20	EXHALITIC TUFF: SERICITIC CHERT: Mixed interval of brecciated chert, sericite altered dacite ash tuff, disseminated sulphides, and minor barite(debris flow). Mottled grey, white, tumbled, contorted, isolated patches of sphalerite. Minor sphalerite, galena, tetrahedrite pyrite mineralization is fracture controlled. Sericite locally, brecciated chloritic near bottom. Lower contact sharp @30° to CA.	R8920855	544.22	545.59	1.37	.05	4.80	.39	1.50	3.80	
			R8920856	545.59	546.72	1.13	.35	6.58	.27	2.38	3.10	
			R8920857	546.72	547.03	.31	.20	20.30	.93	7.00	15.44	
			R8920858	547.03	548.49	1.46	.06	1.74	.31	.54	1.20	
			R8920882	548.49	549.52	1.04	.09				3.30	
549.20	559.00	BASALT ASH TUFF: Basalt tuff, very well banded at 35 - 40° WCA. Green-brown (chlorite and biotite) bands, groundmass with siliceous wavy bands throughout; about 20 - 40% of each. Epidote-chlorite-magnetite veinlets.	R8920883	549.52	551.08	1.55						
559.00	582.10	BASALT FLOW: Dark mafic flow, amphibole phyric. Hornblende phenocrysts up to 3 mm. Homogenous, massive. Thin epidote-chlorite-magnetite veinlets 30 - 45° WCA.										
582.10	583.30	DACITE DYKE: Dacite dyke (?). Felsic unit similar to previous dacitic units. Aphanitic. Dark green-black, top is banded at 30° WCA.										
583.30	591.60	BASALT ASH TUFF: Basalt ash tuff. Dark green-black rock. Matrix chloritic - biotitic with bluish, felsic, rounded clasts < 1 - 3 mm. Homogenous, massive.										
591.60	596.50	DACITE DYKE: Similar to 582.1 583.3 m. 595.10 596.00 BASALT FLOW: Same as 559.0 - 582.1 m. Both contacts 30° WCA.										
596.50		EOH										

Hole No: TCU89-18
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 199.6
Dip: -75.9
Length (m): 596.50
Elevation: 112.78
(metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started:
Completed:
Recovery:

Date Logged: September 14, 1989
Logged By: EAD
Date Re-logged:
Re-logged By: G.L. Dawson / W. Melnyk
Report Printed: 19 Feb, 1993
10:03pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8920859	422.45	424.04	1.58		.00						<10	<.4	31	66	666						
R8920860	424.04	424.59	.55		.00						120	3.2	300	446	1400						
R8920861	424.59	425.29	.70		.00						224	2.5	179	1090	1670						
R8920862	425.29	426.11	.82		.00						144	1.9	171	233	363						
R8920863	426.11	427.63	1.52		.00						124	2.6	386	273	1880						
R8920864	427.63	429.01	1.37		.00						<10	<.4	32	17	127						
R8920865	433.03	434.07	1.04		.00						80	1.9	194	425	2720						
R8920866	434.07	434.83	.76		.00						386	11.4	1050	1830	8800						
R8920867	434.83	435.10	.27	3.81	49.83	.04	1.50	.62	.71	3.43	846	43.2	5900	7610	>36000						
R8920868	436.60	437.66	1.07	3.81	40.45	.05	.71	.34	.48	2.07	952	25.1	3460	4410	>21100						
R8920869	437.66	438.15	.49	3.81	114.56	.10	3.65	1.36	1.62	6.90	2890	99.2	>11700	>14200	>64900						
R8920870	438.15	438.85	.70	3.81	28.32	.02	.71	.10	.63	2.44	440	24.8	967	6270	>24500						
R8920871	438.85	440.44	1.58	3.81	35.98	.04	.76	.14	.46	2.16	1040	26.2	1260	4350	>21000						
R8920872	440.44	441.87	1.43	3.81	28.66	.02	.72	.08	.68	2.38	760	24.1	807	6990	>22300						
R8920873	441.87	442.93	1.07		.16			.01	.01		80	16.9	114	165	365						
R8920874	442.93	444.40	1.46		.00						176	56.0	20	247	515						
R8920875	444.40	445.92	1.52		.00						80	35.7	28	184	430						
R8920876	445.92	447.45	1.52		.00						<10	4.1	36	32	142						
R8920877	447.45	448.97	1.52		.00						<10	<.4	17	10	109						
R8920878	529.65	531.27	1.61		.00						<10	2.7	23	211	177						
R8920879	531.27	532.79	1.52		.00						60	2.2	15	394	139						
R8920880	532.79	533.95	1.16		.00						60	2.4	16	253	406						
R8920881	533.95	534.92	.98		.00						<10	<.4	42	21	62						
R8920844	534.92	536.45	1.52		.58	.00	.02	<.01	<.01	.08	<10	.9	76	47	222						
R8920845	536.45	537.54	1.10	3.36	162.15	.06	5.26	1.46	.14	16.23	2920	>162.0	>14100	1180	>49000						
R8920846	537.54	538.22	.67	3.83	207.67	.08	5.75	1.08	5.85	19.66	3920	>185.0	9420	>57000	>56000						
R8920847	538.22	538.70	.49	3.98	153.26	.04	2.94	1.34	.45	17.25	1786	77.2	>10800	4410	>29000						
R8920848	538.70	539.01	.30	4.19	223.56	.09	3.43	.36	4.20	25.09	3600	89.2	3560	>41700	>34000						
R8920849	539.01	539.80	.79	4.20	119.28	.08	5.96	1.42	.08	8.45	1892	>200.0	>12700	647	>82700						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8920850	539.80	541.39	1.58	4.03	128.80	.05	5.06	1.04	1.47	12.18	1200	>161.0	9260	>12000	>10000		714		545		
R8920851	541.39	542.09	.70	4.13	173.94	.04	6.02	.66	4.46	18.33	1296	>211.0	6360	>44100	>88000						
R8920852	542.09	542.48	.40	3.63	119.88	.03	2.72	1.76	.50	12.08	604	69.6	>14800	5160	>02000						
R8920853	542.48	542.97	.49	4.12	153.80	.03	3.97	.93	3.53	16.43	1626	>109.0	8870	>33000	>37000						
R8920854	542.97	544.22	1.25	4.08	106.22	.03	3.94	.52	2.39	10.77	834	>110.0	4770	>20600	>03000						
R8920855	544.22	545.59	1.37	3.05	64.29	.05	4.28	.39	1.50	3.80	1204	>121.0	4080	>14300	>37500						
R8920856	545.59	546.72	1.13	2.89	165.59	.31	5.87	.27	2.38	3.10	6400	>210.0	2740	>23700	>33000						
R8920857	546.72	547.03	.31	3.87	256.55	.18	18.13	.93	7.00	15.44	6600	>625.0	8690	>71500	>19000						
R8920858	547.03	548.49	1.46		36.89	.05	1.56	.31	.54	1.20	2400	49.9	2900	5510	9000						
R8920882	548.49	549.52	1.04		50.47	.08				3.30	1764	64.9	4460	9690	>32000						
R8920883	549.52	551.08	1.55		.00						42	1.1	76	52	239						

Hole No: TCU89-19
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15375.60
(metres) E: 10665.10

Azimuth: 160.0
Dip: -80.0
Length (m): 514.50
Elevation: 112.70
(metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: September 13, 1989
Completed:
Recovery: Good

Date Logged: September 20, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 3, 1992
Re-logged By: G.L. Dawson
Report Printed: 9 Feb, 1993 4:22am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	160.0	-80.0															
62.2		-79.0	153.6		-79.0	336.5		-80.0	427.9		-79.0	513.3		-79.0			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	22.20	DACITE FLOW: HEMATITIC Maroon, hematitic, feldspar (1-2 mm) phyric, fine grained to aphanitic dacite flow; rare quartz (1 mm) eyes. Some randomly orientated quartz +/- chlorite +/- epidote veinlets and red jasper veinlets. 9.14 11.28 FAULT Broken core consisting of bleached, brecciated (rehealed) clay + chlorite + calcite altered dacite flow; minor clay gouge.										
22.20	23.16	FAULT Broken core consists of bleached, brecciated (rehealed) clay + chlorite + calcite altered dacite flow.										
23.16	75.51	DACITE LAPILLI TUFF: HEMATITIC Layered, grey and maroon, hematitic, heterolithic dacite lapilli tuff. Lapilli are 1-2 cm long and consist mainly of parallel aligned glass shards and feldspar phyric dacite. Feldspar phyric dacite lapilli are occassionally up to 30 cm diameter. Vein types include: (i) chlorite + epidote veinlets with albite envelopes, and (ii) prehnite (white soft fibrous mineral) infilling fractures.										
75.51	92.66	DACITE FLOW: PROPYLITIC Greenish grey, propylitically altered, feldspar (1-3 mm) phyric, fine grained dacite flow. Some chlorite + epidote + quartz veinlets with albite envelopes (<1 cm).										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		87.27 88.32 BASALTIC DYKE: Dark green, fine grained basalt dyke.										
		89.61 91.44 BASALTIC DYKE: Similar to 87.27 - 88.32, some amphibole (chlorite) phyric sections (?).										
		91.90 92.66 FAULT Broken core consisting of bleached clay + calcite + chlorite altered brecciated dacite flow; minor clay gouge. Prehnite (white fibrous mineral) infilling fractures.										
92.66	116.89	DACITE LAPILLI TUFF: HEMATITIC Similar to 23.16 - 75.51 metres. 92.66 93.19 BASALTIC DYKE: Similar to 87.27 - 88.32 metres. 97.69 100.49 BASALTIC DYKE: Similar to 87.27 - 88.32 metres; in part hornblende phyric. 101.01 101.35 BASALTIC DYKE: Similar to 87.27 - 88.32 metres.										
116.89	157.17	DACITE FLOW: PROPYLITIC Grey to buff, feldspar +/- quartz phryic, aphanitic dacite flow and minor flow breccia. Feldspar crystals subhedral to euhedral, 1-3 mm long, and in part altered to epidote; quartz eyes <1 mm. Chlorite + epidote + quartz veinlets with albite envelopes. Some irregular clots and veinlets of magnetite.										
157.17	331.80	BASALT UNDIFFERENTIATED: Undifferentiated, medium to dark green, feldspar +/- amphibole phyric, fine grained basalt. Rare chlorite + epidote + albite + quartz + magnetite + pyrite veinlets and prehnite (white soft fibrous mineral) along fractures (1-2 mm thick). Lower contact sharp and wavy @ 30 degrees to C.A.										
331.80	374.90	DACITE FLOW: PROPYLITIC Faintly banded, greenish grey and buff, feldspar +/- quartz phyric, fine grained to aphanitic dacite flow. Chlorite + epidote veinlets with albite envelopes. Irregular zones of pervasive albite &/or silica alteration. 337.95 338.14 BASALTIC DYKE: Dark green, fine grained to aphanitic, basalt dyke. Upper and lower contact sharp @ 50 degree to C.A. 339.55 339.75, With BANDED PYRITE Disseminated and banded pyrite (30%). 340.46 356.31 BASALTIC DYKE: Similar to 337.95 - 338.14, numerous chlorite + epidote + magnetite veinlets with silica envelopes. Upper contact sharp and irregular @ 90 degree to C.A.; lower contact sharp @ 60 degree to C.A.	R8920832	373.38	374.90	1.52	.00	<.01	<.01	<.01	.04	
374.90	383.44	ZINC FACIES: Banded sulphides, sericite altered ash and dust tuff and chert. Total sulphides (60%): sphalerite (15-30%), pyrite (30%), galena (1-2%) and chalcopyrite (1%). 375.82 376.43, With MASSIVE PYRITE. 381.15 381.51, With MASSIVE PYRITE.	ZAU	374.90	382.37	7.47						
			R8920833	374.90	375.30	.40	.02	.41	.41	.33	2.80	
			R8920834	375.30	375.82	.52	.00	.52	1.07	.47	11.95	
			R8920835	375.82	376.21	.40	.02	.61	.38	.08	.40	
			R8920836	376.21	377.65	1.43	.11	6.32	1.62	2.48	15.05	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8920837	377.65	379.17	1.52	.07	4.40	1.62	2.16	14.72	
			R8920838	379.17	380.70	1.52	.08	4.49	1.18	2.70	16.94	
			R8920839	380.70	381.06	.37	.05	2.70	1.42	1.15	9.80	
			R8920840	381.06	381.46	.40	.04	1.41	.84	.16	.59	
			R8920841	381.46	382.37	.92	.06	2.45	1.31	.72	4.10	
			R8920842	382.37	383.44	1.07	.02	.06	.01	<.01	.13	
			R8920843	383.44	384.75	1.31	.00	.02	<.01	<.01	.04	
383.44	445.31	DACITE FLOW: Mixed sequence of greyish green, feldspar phyric fine grained dacitic flow, flow breccia and ash tuff. Chlorite + epidote +/- garnet +/- pyrite veinlets with envelopes of albite and quartz. 430.07 430.99 BASALTIC DYKE: Dark green, fine grained to aphanitic basalt dyke. 431.90 433.73 BASALTIC DYKE: Similar to 430.07 - 430.99 metres.	R8923023	443.79	445.28	1.49	.02	.06	.03	<.01	.02	
			R8923024	445.28	445.83	.55	.02	.38	.10	.20	.62	
445.31	448.06	PYRITE FACIES: Banded pyrite (10-20%), sphalerite (5%), foliated sericite altered tuff and chert; some small scale folds. Minor chalcopyrite and galena.	Z70	445.83	448.06	2.23						
			R8923025	445.83	446.50	.67	.08	1.40	.53	.75	2.90	
			R8923026	446.50	447.45	.94	.01	.15	.05	.05	.20	
			R8923027	447.45	448.06	.61	.06	1.63	.34	.52	4.80	
			R8923028	448.06	449.58	1.52	.01	.02	.01	.01	.04	
448.06	514.50	BASALT FLOW: BIOTITIC , WITH DISSEMINATED PYRITE Dark green to black, fine grained to aphanitic, biotite ± cordierite altered basalt flows with minor interflow weakly laminated ash tuff. Quartz + epidote + chlorite veinlets with albite envelopes.										
514.50		EOH										

Hole No: TCU89-19
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15375.60
(metres) E: 10665.10

Azimuth: 160.0
Dip: -80.0
Length (m): 514.50
Elevation: 112.70
(metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: September 13, 1989
Completed:
Recovery: Good

Date Logged: September 20, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 3, 1992
Re-logged By: G.L. Dawson
Report Printed: 19 Feb, 1993
10:03pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8920832	373.38	374.90	1.52		.26	.00	<.01	<.01	<.01	.04	460	.4	27	11	192						
R8920833	374.90	375.30	.40	3.81	31.30	.02	.37	.41	.33	2.80	<10	19.2	4140	3570	>31300						
R8920834	375.30	375.82	.52	3.60	94.49	.00	.47	1.07	.47	11.95	286	15.9	>11300	4900	>18000						
R8920835	375.82	376.21	.40	4.03	14.47	.01	.55	.38	.08	.40	344	23.5	3950	786	3990						
R8920836	376.21	377.65	1.43	3.58	177.61	.09	5.65	1.62	2.48	15.05	3420	>141.0	>15500	>21500	>65000						
R8920837	377.65	379.17	1.52	3.84	157.91	.06	3.93	1.62	2.16	14.72	2600	>112.0	>17000	>23450	>61000						
R8920838	379.17	380.70	1.52	4.17	172.52	.07	4.01	1.18	2.70	16.94	2600	>114.0	>10800	>29800	>88000						
R8920839	380.70	381.06	.37	3.77	107.52	.04	2.41	1.42	1.15	9.80	1024	71.3	>12800	>10100	>88900						
R8920840	381.06	381.46	.40	4.35	33.23	.04	1.26	.84	.16	.59	900	38.3	8770	1380	6550						
R8920841	381.46	382.37	.92	3.38	72.54	.06	2.19	1.31	.72	4.10	1372	>111.0	>11400	7680	>37000						
R8920842	382.37	383.44	1.07		7.88	.02	.05	.01	<.01	.13	40	1.8	178	100	465						
R8920843	383.44	384.75	1.31		1.08	.00	.02	<.01	<.01	.04	<10	.5	49	32	269						
R8923023	443.79	445.28	1.49		5.92	.01	.05	.03	<.01	.02	82	2.2	330	36	162						
R8923024	445.28	445.83	.55		14.44	.02	.34	.10	.20	.62	334	12.8	1050	1970	7410						
R8923025	445.83	446.50	.67	3.81	57.80	.07	1.25	.53	.75	2.90	1706	46.6	6070	8910	>33600						
R8923026	446.50	447.45	.94	3.81	5.48	.01	.13	.05	.05	.20	102	4.9	517	390	1830						
R8923027	447.45	448.06	.61	3.81	60.01	.05	1.46	.34	.52	4.80	1580	56.1	3800	5690	>49800						
R8923028	448.06	449.58	1.52		2.73	.01	.02	.01	.01	.04	24	1.0	120	62	344						

TCU89-20

Hole No: TCU89-20
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 120.0
Dip: -70.0
Length (m): 329.18
Elevation: 112.81 (metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: September 18, 1989
Completed: September 22, 1989
Recovery: Good

Date Logged: September 24, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 1, 1992.
Re-logged By: G.L. Dawson
Report Printed: 9 Feb, 1993 4:22am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	120.0	-70.0															
15.2		-69.0	91.4		-69.0	182.9	119.0	-69.0	274.3		-67.5	329.2	121.0	-68.0			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	14.56	DACITE LAPILLI TUFF: Greyish green, heterolithic dacite lapilli tuff; lapilli are subangular to subrounded with some large clasts (<3 cm) of feldspar phyric dacite flow. Chlorite + epidote veinlets with albite envelopes. 8.69 9.14 FAULT Rehealed quartz + albite + epidote + chlorite altered fault breccia; 1 cm clay gouge. Prehnite (white fibrous mineral) infilling vugs and fractures.										
14.56	51.21	DACITE FLOW: Greenish grey to maroon, feldspar (1-2 mm) phyric dacite flow with minor flow breccia and lapilli tuff sections. Chlorite + epidote + quartz veinlets with albite envelopes. 30.18 35.97 Maroon (hematitic) feldspar phyric dacite flow; gradational contact.										
51.21	66.60	DACITE LAPILLI TUFF: Greyish green, heterolithic dacite lapilli tuff; lapilli are <5 cm in diameter. Lower contact sharp @ 60 degrees to C.A. 52.87 53.43 BASALTIC DYKE: Dark green, fine grained to aphanitic, basalt dyke.										
66.60	70.64	BASALTIC DYKE: Medium green, fine grained to aphanitic basalt dyke; lower contact sharp @ 60 degrees to C.A.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
70.64	72.70	DACITE LAPILLI TUFF: Similar to 51.21 - 66.60 metres. Lower contact sharp @ 40 degrees to C.A.										
72.70	84.28	BASALTIC DYKE: Similar to 66.60 to 70.64 metres; lower contact sharp @ 60 degrees to C.A.										
84.28	89.92	DACITE LAPILLI TUFF: Similar to 51.21 - 66.60 metres; lower contact broken and ground core.										
89.92	97.54	BASALT ASH TUFF: Similar to 66.60 - 70.64 metres; lct sharp @ 20 degrees to C.A.										
97.54	264.84	BASALT UNDIFFERENTIATED: Undifferentiated, medium to dark green, feldspar (+/-amphibole) phyric, basalt and minor ash tuff. Chlorite + epidote + quartz + albite +/- magnetite veinlets; bluish green silicification as envelopes to some fractures. Lower contact sharp @ 60 degrees to C.A. 237.44 238.66 FAULT Brecciated chlorite + epidote + calcite + quartz altered zone; 1 cm clay gouge. 256.34 256.79 FAULT Broken core; 1cm clay gouge.	R8923029 ZAV R8923030	262.74 264.23 264.23	264.23 270.51 265.33	1.49 6.28 1.10	.00 .09	.01 2.57	.03 .87	<.01 1.32	.02 10.50	
264.84	267.00	EXHALITIC TUFF: SERICITIC , WITH BANDED PYRITE Thinly banded sulphides, sericite altered ash tuff and chert; section is strongly foliated with numerous slips and microfolds. Sulphides consist of pyrite (10%), sphalerite (<10%), chalcopyrite (<1%) and galena (<2%). Lower contact chlorite slip @ 60 degrees to C.A. 265.33 265.63, With MASSIVE PYRITE.	R8923031 R8923032 R8923033 R8923034 R8923035	265.33 265.63 266.00 266.46 266.85	265.63 266.00 266.46 266.85 268.22	.30 .37 .46 .40 1.37	.03 .03 .02 .02 .01	.53 .48 .06 .29 .02	.21 .28 .08 .28 .03	.12 .22 .02 .10 .02	.29 1.43 .24 .62 .15	
267.00	269.14	BASALT UNDIFFERENTIATED: Undifferentiated, dark green, fine grained basalt. Numerous chlorite + pyrite shears and calcite veins. 267.30 268.22 FAULT Broken core with clay gouge; prehnite (white soft fibrous mineral) infilling some fractures.	R8923036	268.22	269.29	1.07	.09	1.23	.85	.34	1.40	
269.14	270.66	ZINC FACIES: Banded pyrite (40%), sphalerite (15%), galena (<5%), chalcopyrite (1%), sericite altered andesite ash tuff (30%) and chert (30%); sphalerite and galena bands are baritic. Foliation @ 50 degrees to C.A.	R8923037 R8923038	269.29 270.51	270.51 271.88	1.22 1.37	.15 .01	2.71 .09	2.03 .08	.56 .01	8.20 .09	
270.66	278.28	FAULT Brecciated silica + albite + calcite + chlorite altered basalt flow; altered clasts are angular, <1 cm diameter. Minor clay gouge and chlorite slips @ low angle to C.A.										
278.28	307.85	BASALT FLOW: Foliated, dark green to black, amygdaloidal, +/-amphibole phyric, fine										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		grained basalt flow. Quartz amygdules (<5mm) and amphibole (<2mm) phenocrysts elongated parallel to foliation; foliation @ 50 degrees to C.A. Minor clots of magnetite pseudomorphing pyrite. 284.68 285.29 FAULT Similar to 270.66 - 278.28 metres.										
307.85	329.18	BASALT FLOW: SILICIFIED , WITH DISSEMINATED PYRITE Greyish green, silica + pyrite altered, fine grained basalt flow; some sections feldspar (1-3mm) phyric. Chlorite + epidote + quartz veinlets with envelopes of albite (white) and silica (bluish green). Numerous chloritic slips +/- clay gouge (<4mm) @ 60 degrees to C.A.										
329.18		EOH										

Hole No: TCU89-20
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15370.80
(metres) E: 10670.10

Azimuth: 120.0
Dip: -70.0
Length (m): 329.18
Elevation: 112.81
(metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: September 18, 1989
Completed: September 22, 1989
Recovery: Good

Date Logged: September 24, 1989
Logged By: E.A. Dembicki
Date Re-logged: August 1, 1992.
Re-logged By: G.L. Dawson
Report Printed: 19 Feb, 1993 10:03pm

Sample No.	From (m)	To (m)	Interval (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8923029	262.74	264.23	1.49		2.03	.00	.01	.03	<.01	.02	52	1.3	263	51	140						
R8923030	264.23	265.33	1.10	3.42	120.82	.08	2.30	.87	1.32	10.50	2720	>141.0	8670	>11500	>94000		224		285		
R8923031	265.33	265.63	.30	3.91	16.45	.03	.47	.21	.12	.29	500	16.8	2250	971	3020						
R8923032	265.63	266.00	.37	3.05	25.96	.03	.43	.28	.22	1.43	676	16.1	2980	2370	>15200						
R8923033	266.00	266.46	.46	2.71	10.27	.02	.05	.08	.02	.24	176	3.6	834	210	2210						
R8923034	266.46	266.85	.40	2.86	16.09	.02	.26	.28	.10	.62	492	9.9	3030	976	7250						
R8923035	266.85	268.22	1.37	3.81	3.33	.01	.01	.03	.02	.15	80	1.3	296	157	1340						
R8923036	268.22	269.29	1.07	3.81	52.92	.08	1.10	.85	.34	1.40	2760	33.9	9120	3500	>13700						
R8923037	269.29	270.51	1.22	3.93	138.90	.14	2.42	2.03	.56	8.20	3200	>135.0	>20700	6240	>83000						
R8923038	270.51	271.88	1.37		4.85	.01	.08	.08	.01	.09	40	2.7	801	130	816						

Hole No: TCU89-21
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15376.80
(metres) E: 10662.00

Azimuth: 227.0
Dip: -80.0
Length (m): 598.93
Elevation: 112.70 (metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: September 26, 1989
Completed: October 13, 1989
Recovery: Good

Date Logged: October 1, 1989
Logged By: R.J. Aulis
Date Re-logged: August 2, 1992.
Re-logged By: G.L. Dawson
Report Printed: 9 Feb, 1993 4:22am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip	Depth (m)	Azimuth	Dip
0.0	227.0	-80.0															
16.8	229.0	-78.5	214.9		-79.0	397.8		-82.0	595.9		-84.2						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
.00	1.22	CASING										
1.22	15.24	DACITE FLOW: HEMATITIC Maroon (hematitic), feldspar (1-3mm) ± quartz (<1mm) phyric, fine grained to aphanitic dacite flow. Vein types include: (i) jasper veinlets (<1-3cm), (ii) quartz ± calcite veins (0.5-5cm) and (iii) chlorite + epidote + quartz veinlets with albite envelopes.										
15.24	30.18	DACITE FLOW: Greyish green, feldspar phyric, fine grained to aphanitic dacite flow similar to 1.22 - 15.24 metres. Patchy zones of pervasive albite alteration. Rare chlorite + epidote + magnetite veinlets.										
30.18	34.98	FAULT Broken core with zones (<10cm) of clay gouge. Chlorite + calcite + prehnite (white soft mineral) veined bleached clay altered dacite flow.										
34.98	73.53	DACITE LAPILLI TUFF: HEMATITIC Green and maroon, dacite lapilli tuff; some large clasts of feldspar phyric dacite. Epidote or chlorite veins with albite envelopes.										
73.53	109.42	DACITE FLOW: Green and maroon, feldspar phyric dacite flow similar to 15.24 - 30.18 metres.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
		78.88 79.40 BASALTIC DYKE: Dark green, chloritic, fine grained basalt dyke.										
		80.50 80.71 BASALTIC DYKE: Similar to 78.88 - 79.40 metres.										
		80.87 81.08 BASALTIC DYKE: Similar to 78.88 - 79.40 metres.										
		81.38 81.53 BASALTIC DYKE: Similar to 78.88 - 79.40 metres.										
109.42	138.38	DACITE LAPILLI TUFF: Layered, dark green and grey, dacite lapilli tuff. Lapilli mainly dark green glass shards (<1cm) in grey ash matrix. Layering @ 30° to CA. Chlorite + epidote + quartz veinlets with albite envelopes. Lower contact irregular @ 90° to CA.										
		121.01 121.62 FAULT Clay altered zone cut by chlorite + magnetite veinlets with albite envelopes. Prehnite (white soft mineral) along some fractures.										
		129.54 130.76 FAULT Similar to 121.01 - 121.62 metres; some rehealed brecciated sections.										
138.38	462.69	BASALT UNDIFFERENTIATED: Medium green, propylitically altered, feldspar (1-3mm) phyric, fine grained undifferentiated basalt; feldspar crystals decreasing towards bottom of section. Bluish green silica envelopes to randomly orientated fractures and as pervasive zones. Unit cut by minor fine grained basalt dykes. Lower contact infilled by quartz vein @ 60° to CA.										
462.69	481.66	DACITE LAPILLI TUFF: Mixed unit of green and maroon, heterolithic dacite lapilli and ash tuff; rare boulder size clast of feldspar phyric dacite flow similar to 481.66 - 491.03 metre interval. Layering @ 60° to CA. Chlorite + epidote + quartz + calcite veinlets with albite envelopes (<1cm). Lower contact sharp @ 50° to CA.										
481.66	491.03	DACITE FLOW: Greenish grey, feldspar (1-3mm) phyric, fine grained to aphanitic dacite flow. Epidote + chlorite ± quartz veinlets (1-4mm) with albite envelopes (5mm). Lower contact is breccitated.										
491.03	494.39	DACITE LAPILLI TUFF: Greyish black, dacite lapilli tuff. Some amphibole (1-2mm) phyric sections. Lower contact interbedded with unit below over 1.0 metre.	R8923965	493.47	494.99	1.52						
494.39	502.01	DACITE ASH TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Grey, silicified dacite ash tuff; occassional quartz eye (<1mm) and lapilli size clast. Disseminated fine grained pyrite (1-2%). Lower contact sharp @ 50° to CA.	R8923966	494.99	496.21	1.22						
			R8923967	496.21	497.74	1.52						
			R8923968	497.74	499.26	1.52						
			R8923969	499.26	500.48	1.22						
			R8923970	500.48	501.40	.91						
			R8923971	501.40	502.01	.61						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
			R8923972	502.01	503.23	1.22	.11	2.67	.65	.63	5.05	
502.01	512.92	ZINC FACIES: Mixed sequence of thinly laminated (<1mm to 1cm) sphalerite, pyrite, sericite altered quartz amygdaloidal basalt flow, barite and minor silica; unit is foliated with numerous small scale folds. Sulphides (25%) include: pyrite (15%), sphalerite (8%), galena (2%), chalcopyrite (1%) and minor tetrahedrite.	ZAW	502.01	523.07	21.06						
			R8923973	503.23	504.14	.91	.02	.13	.08	.06	.26	
			R8923974	504.14	504.90	.76	.06	1.20	.37	.75	4.20	
			R8923952	504.90	505.36	.46	.02	.39	.17	.16	.21	
			R8923953	505.36	506.27	.92	.11	3.59	.80	1.78	7.53	
			R8923954	506.27	506.73	.46	.05	1.22	.94	.80	3.80	
			R8923955	506.73	507.40	.67	.27	12.13	1.04	4.60	13.13	
			R8923956	507.40	508.35	.94	.04	1.69	.28	.44	1.80	
			R8923957	508.35	509.38	1.04	.03	2.89	.49	.20	2.60	
			R8923958	509.38	510.48	1.10	.04	3.30	.92	1.20	3.30	
			R8923959	510.48	511.91	1.43	.22	6.92	1.50	1.70	4.10	
			R8923960	511.91	512.92	1.01	.00	.08	.03	.02	.14	
			R8923961	512.92	513.89	.98	.03	3.00	.81	2.00	16.48	
512.92	515.26	ZINC FACIES: Interlaminated (<1mm to 1cm) fine grained sphalerite, sericite altered dust tuff, and minor barite. Sulphides (50%) include: sphalerite (40%), galena (6%), pyrite (5-10%), chalcopyrite (2%), pyrite (5%) and minor tetrahedrite. Rare flecks of visible gold.	R8923962	513.89	515.26	1.37	.71	20.42	4.43	3.78	31.06	
515.26	517.25	ZINC FACIES: Similar to 502.01 to 512.92 metres.	R8923963	515.26	516.03	.76	.09	3.38	.89	.77	2.25	
			R8923964	516.03	517.25	1.22	.13	4.30	1.37	2.20	5.50	
			R8923975	517.25	519.07	1.83	.02	.50	.74	.06	.20	
517.25	520.60	COPPER FACIES: Massive pyrite (80%) with lesser tuff, barite and chert. Other sulphides include sphalerite (1%), chalcopyrite (1%) and minor galena.	R8923976	519.07	520.60	1.52	.02	.47	.39	.51	1.48	
			R8923977	520.60	522.12	1.52	.09	1.96	1.85	1.31	9.40	
520.60	522.12	ZINC FACIES: Laminated to bedded pyrite, sphalerite, galena, sericite altered tuff and barite. Sulphides consist of pyrite, sphalerite (12%), galena (3%) and chalcopyrite (5%).										
522.12	538.12	BASALT LAPILLI TUFF: SILICIFIED , WITH DISSEMINATED PYRITE Silica + sericite + pyrite altered basalt ash to lapilli (<5cm) tuff. Disseminated pyrite (1-2%) and minor sphalerite.	R8923978	522.12	523.07	.95	.14	3.38	4.55	.18	1.23	
			R8923979	523.07	524.32	1.25						
			R8923980	524.32	525.47	1.16						
			R8923981	525.47	526.45	.98						
			R8923982	526.45	527.97	1.52						
			R8923983	527.97	529.50	1.52						
			R8923984	535.08	536.60	1.52						
			R8923985	536.60	538.12	1.52						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Field Number
538.12	544.07	BASALT FLOW: SILICIFIED , WITH DISSEMINATED PYRITE Silica + chlorite + pyrite altered quartz amygdaloidal (<0.5cm) basalt flow. Lower contact infilled by quartz + chlorite vein @ 60° to CA.	R8923986	538.12	539.65	1.52						
			R8923987	539.65	541.17	1.52						
			R8923988	541.17	542.70	1.52						
			R8923989	542.70	544.22	1.52						
544.07	545.74	BASALTIC DYKE: Dark green, propylitically altered, fine grained basalt dyke; lower contact sharp @ 60° to CA.	R8923990	544.22	545.74	1.52						
545.74	546.35	BASALT FLOW: SILICIFIED , WITH DISSEMINATED PYRITE Similar to 522.12 - 538.12 metres. Lower contact chlorite slip @ 60° to CA. Quartz stringers (1-4mm), disseminated pyrite (1-2%) and minor sphalerite.										
546.35	548.72	BASALTIC DYKE: Massive, dark green, propylitically altered, fine to medium grained, basalt dyke. Lower contact sharp @ 50° to CA.										
548.72	552.91	BASALT FLOW: SILICIFIED , WITH DISSEMINATED PYRITE Similar to 522.12 - 538.12 metres. Unit cut by a network of quartz stringers (<1-4mm), disseminated pyrite (1%) and trace sphalerite.	R8923991	549.04	549.68	.64						
			R8923992	549.68	551.23	1.55						
			R8923993	551.23	552.69	1.46	.01	.29	.32	.04	3.80	
			R8923994	552.69	553.61	.91						
552.91	567.63	BASALT FLOW: SILICIFIED , WITH DISSEMINATED PYRITE Grey sericite + silica altered basalt flow cut by quartz stringers (<1-5mm). Aphanitic pale brown mineral (tourmaline/epidote) associated with some quartz veins. Disseminated pyrite (2-3%), minor sphalerite and trace galena. Lower contact brecciated and infilled by quartz + chlorite @ 60 to CA.	R8923995	553.61	555.13	1.52						
			R8923996	555.13	556.66	1.52						
			R8923997	556.66	558.18	1.52						
			R8923998	558.18	559.70	1.52						
			R8923999	559.70	561.23	1.52						
			R8924000	561.23	562.75	1.52						
			R8924001	562.75	564.28	1.52						
			R8924002	564.28	565.80	1.52						
			R8924003	565.80	567.66	1.86						
567.63	571.20	BASALTIC DYKE: Similar to 546.5 - 548.72 metres; some sections of broken and ground core.										
571.20	598.93	BASALT FLOW: SILICIFIED , WITH DISSEMINATED PYRITE Mixed sequence of dark grey to black, propylitically altered, fine grained basalt flows, flow breccias and interflow ash material. Weak foliation defined by chlorite @ 30° to 40° to CA. Chlorite + epidote ± quartz veinlets with albite envelopes.	R8924004	572.26	573.79	1.52						
			R8924005	573.79	575.31	1.52						
			R8924006	575.31	576.83	1.52						
598.93		EOH										

Hole No: TCU89-21
Client: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15376.80
(metres) E: 10662.00

Azimuth: 227.0
Dip: -80.0
Length (m): 598.93
Elevation: 112.70
(metres)
Purpose:

Core Size: BQ-2
Drill Name: Underground
Contractor: Coates
Started: September 26, 1989
Completed: October 13, 1989
Recovery: Good

Date Logged: October 1, 1989
Logged By: R.J. Aulis
Date Re-logged: August 2, 1992.
Re-logged By: G.L. Dawson
Report Printed: 19 Feb, 1993 10:03pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8923965	493.47	494.99	1.52		.00						<10	.7	47	105	344						
R8923966	494.99	496.21	1.22		.00						<10	.5	64	64	224						
R8923967	496.21	497.74	1.52		.00						<10	.4	52	45	243						
R8923968	497.74	499.26	1.52		.00						24	.5	18	28	82						
R8923969	499.26	500.48	1.22		.00						24	.4	14	29	63						
R8923970	500.48	501.40	.91		.00						28	.6	17	48	73						
R8923971	501.40	502.01	.61		.00						180	2.5	452	161	976						
R8923972	502.01	503.23	1.22	3.80	85.20	.09	2.38	.65	.63	5.05	3860	77.2	6500	6030	>46600						
R8923973	503.23	504.14	.91	3.80	9.22	.02	.11	.08	.06	.26	402	4.2	752	528	2570						
R8923974	504.14	504.90	.76	3.80	58.38	.06	1.07	.37	.75	4.20	1680	51.0	3550	7610	>34800						
R8923952	504.90	505.36	.46	3.80	11.82	.02	.35	.17	.16	.21	480	9.0	1770	1280	1960						
R8923953	505.36	506.27	.92	3.80	111.62	.10	3.20	.80	1.78	7.53	2120	>100.0	8500	>17000	>82400						
R8923954	506.27	506.73	.46	3.80	60.10	.05	1.09	.94	.80	3.80	856	30.8	9130	8290	>35700						
R8923955	506.73	507.40	.67	3.80	237.47	.24	10.83	1.04	4.60	13.13	7760	>341.0	9370	>51500	>89000						
R8923956	507.40	508.35	.94	3.80	34.64	.04	1.51	.28	.44	1.80	840	43.7	2900	4520	>13800						
R8923957	508.35	509.38	1.04	3.80	41.11	.03	2.58	.49	.20	2.60	372	83.5	4930	1790	>23000						
R8923958	509.38	510.48	1.10	3.80	59.16	.04	2.95	.92	1.20	3.30	856	88.5	9020	>11500	>32700						
R8923959	510.48	511.91	1.43	3.80	144.67	.20	6.18	1.50	1.70	4.10	6330	>208.0	>14000	>15200	>39800		2903		780		
R8923960	511.91	512.92	1.01	3.80	1.57	.00	.08	.03	.02	.14	92	2.2	239	122	1030						
R8923961	512.92	513.89	.98	3.80	140.54	.03	2.68	.81	2.00	16.48	2000	88.6	7820	>17300	>15000						
R8923962	513.89	515.26	1.37	3.80	560.24	.63	18.24	4.43	3.78	31.06	>28867	>510.0	>37600	>38800	>36000						
R8923963	515.26	516.03	.76	3.80	68.85	.08	3.02	.89	.77	2.25	2720	95.7	9010	8540	>18200						
R8923964	516.03	517.25	1.22	3.80	113.50	.11	3.84	1.37	2.20	5.50	3740	>124.0	>13600	>21300	>59100						
R8923975	517.25	519.07	1.83	3.80	19.54	.02	.45	.74	.06	.20	480	16.6	7180	498	1850						
R8923976	519.07	520.60	1.52	3.80	22.59	.01	.42	.39	.51	1.48	604	16.9	3730	4780	>14600						
R8923977	520.60	522.12	1.52	3.80	122.33	.08	1.75	1.85	1.31	9.40	2440	65.2	>15500	>12700	>78600						
R8923978	522.12	523.07	.95	3.80	122.20	.13	3.02	4.55	.18	1.23	4800	>100.5	>34800	1560	8810						
R8923979	523.07	524.32	1.25		.00						296	15.3	1200	600	1610						
R8923980	524.32	525.47	1.16		.00						38	5.6	88	79	297						
R8923981	525.47	526.45	.98		.00						40	1.6	28	43	157						
R8923982	526.45	527.97	1.52		.00						656	6.8	117	716	899						

Sample No.	From (m)	To (m)	Inter-val (m)	SG	NSR1 US$/ tonne	Au Oz/T	Ag Oz/T	Cu %	Pb %	Zn %	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Ba ppm	Field Number
R8923983	527.97	529.50	1.52		.00						784	7.2	102	1590	2760						
R8923984	535.08	536.60	1.52		.00						82	5.2	68	693	1430						
R8923985	536.60	538.12	1.52		.00						40	3.2	22	62	130						
R8923986	538.12	539.65	1.52		.00						<10	2.1	30	689	1270						
R8923987	539.65	541.17	1.52		.00						<10	2.4	29	664	1210						
R8923988	541.17	542.70	1.52		.00						42	2.9	60	188	832						
R8923989	542.70	544.22	1.52		.00						20	.6	25	185	317						
R8923990	544.22	545.74	1.52		.00						<10	.4	73	23	166						
R8923991	549.04	549.68	.64		.00						24	1.2	117	374	2520						
R8923992	549.68	551.23	1.55		.00						<10	1.0	214	360	2410						
R8923993	551.23	552.69	1.46	3.81	31.17	.00	.26	.32	.04	3.80	182	9.6	2860	429	>27500						
R8923994	552.69	553.61	.91		.00						<10	<.4	49	39	291						
R8923995	553.61	555.13	1.52		.00						<10	.5	27	130	296						
R8923996	555.13	556.66	1.52		.00						<10	.5	32	379	698						
R8923997	556.66	558.18	1.52		.00						24	1.8	137	1130	3030						
R8923998	558.18	559.70	1.52		.00						46	1.3	102	486	2370						
R8923999	559.70	561.23	1.52		.00						<10	1.8	76	472	1310						
R8924000	561.23	562.75	1.52		.00						<10	.4	20	223	471						
R8924001	562.75	564.28	1.52		.00						<10	<.4	17	21	109						
R8924002	564.28	565.80	1.52		.00						<10	.4	20	111	183						
R8924003	565.80	567.66	1.86		.00						<10	.8	19	161	369						
R8924004	572.26	573.79	1.52		.00						<10	<.4	29	6	175						
R8924005	573.79	575.31	1.52		.00						<10	<.4	15	4	135						
R8924006	575.31	576.83	1.52		.00						<10	<.4	9	<4	113						