Redfern

Redfern Resources Ltd.
205-10711 Cambie Road
Richmond, B.C. V6X 3G5

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TULSEQUAH CHIEF PROPERTY, NORTHWESTERN B.C.

1993 EXPLORATION PROGRAM: DIAMOND DRILLING, GEOLOGY and RESERVE ESTIMATION OF THE

TULSEQUAH CHIEF MINE

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

for

REDFERN RESOURCES LTD.
205-10711 Cambie Road
Richmond, B.C.
V6X 3G5

T.E. Chandler, P.Geo., Redfern Resources Ltd

G.L. Dawson, P.Geo., Cambria Geological Ltd.

April 25, 1994

APPENDIX 7

Diamond Drilling Logs, Assays and Geochemical Determinations, and Rock Quality Designations (1993)

Hole No: TC93-9
Client:
Property: Tulsequah Chief
Claim:
Co-ords: N: 14554.15
(metres) E: 9927.35

Azimuth: 52.4
Dip: -72.5
Length (m): 450.27
Elevation: 47.04
(metres)
Purpose: To test strong I.P. conductor and 5200 level alteration and stratigraphy

Core Size: NQ
Drill Name: LY 38
Contractor: Arctic Diamond Drilling Ltd.
Started: August 23,1993
Completed: August 31,1993
Recovery:

Date Logged: Sept 3 - 6, 1993
Logged By: K.M. Curtis
Date Re-logged:
Re-logged By:
Report Printed: 14 Apr, 1994
1:36pm

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	52.4	-72.5															
3.0	51.8	-71.7	79.2	57.0	-71.3	155.4	59.3	-71.3	231.6	60.0	-70.9	307.8	61.3	-70.8	384.0	62.5	-70.5
6.1	51.8	-71.3	82.3	57.0	-71.3	158.5	59.3	-71.3	234.7	60.0	-70.9	310.9	61.3	-70.8	387.1	62.8	-70.4
9.1	52.4	-71.5	85.3	57.4	-71.3	161.5	59.3	-71.3	237.7	60.0	-70.9	313.9	61.3	-70.8	390.1	62.8	-70.4
12.2	54.1	-71.4	88.4	57.7	-71.3	164.6	59.7	-71.3	240.8	60.0	-70.9	317.0	61.3	-70.8	393.2	63.2	-70.3
15.2	54.8	-71.4	91.4	58.0	-71.3	167.6	59.7	-71.3	243.8	60.0	-70.9	320.0	61.3	-70.7	396.2	63.5	-70.2
18.3	54.8	-71.4	94.5	58.3	-71.3	170.7	59.7	-71.2	246.9	60.0	-70.9	323.1	61.3	-70.7	399.3	63.8	-70.2
21.3	54.8	-71.4	97.5	58.3	-71.3	173.7	59.7	-71.3	249.9	60.0	-70.9	326.1	61.3	-70.7	402.3	64.1	-70.1
24.4	54.8	-71.4	100.6	58.3	-71.3	176.8	59.7	-71.4	253.0	60.0	-70.9	329.2	61.3	-70.7	405.4	64.1	-70.1
27.4	54.8	-71.3	103.6	58.3	-71.3	179.8	59.7	-71.4	256.0	60.0	-70.8	332.2	61.3	-70.7	408.4	64.1	-70.1
30.5	54.8	-71.3	106.7	58.3	-71.3	182.9	59.7	-71.4	259.1	60.0	-70.8	335.3	61.3	-70.7	411.5	64.4	-70.1
33.5	54.8	-71.2	109.7	58.3	-71.3	185.9	59.7	-71.4	262.1	60.0	-70.8	338.3	61.3	-70.7	414.5	64.4	-70.1
36.6	55.1	-71.1	112.8	58.3	-71.3	189.0	59.7	-71.4	265.2	60.0	-70.8	341.4	61.3	-70.7	417.6	64.4	-70.1
39.6	55.4	-71.0	115.8	58.3	-71.3	192.0	59.7	-71.5	268.2	60.3	-70.8	344.4	61.3	-70.7	420.6	64.7	-70.0
42.7	55.7	-71.1	118.9	58.3	-71.3	195.1	59.7	-71.4	271.3	60.3	-70.8	347.5	61.3	-70.7	423.7	64.7	-70.0
45.7	55.7	-71.1	121.9	58.7	-71.3	198.1	59.7	-71.4	274.3	60.3	-70.8	350.5	61.6	-70.6	426.7	64.7	-70.0
48.8	55.7	-71.1	125.0	58.7	-71.3	201.2	59.7	-71.4	277.4	60.6	-70.8	353.6	61.6	-70.6	429.8	64.7	-70.0
51.8	56.0	-71.1	128.0	59.0	-71.2	204.2	60.0	-71.3	280.4	60.6	-70.8	356.6	61.6	-70.6	432.8	64.7	-70.0
54.9	56.0	-71.1	131.1	59.0	-71.2	207.3	60.0	-71.3	283.5	60.6	-70.8	359.7	61.6	-70.6	435.9	64.7	-70.0
57.9	56.0	-71.1	134.1	59.0	-71.3	210.3	60.0	-71.3	286.5	61.0	-70.8	362.7	61.9	-70.6	438.9	65.0	-70.0
61.0	56.0	-71.1	137.2	59.0	-71.3	213.4	60.0	-71.3	289.6	61.0	-70.8	365.8	61.9	-70.6	442.0	65.0	-70.0
64.0	56.4	-71.2	140.2	59.3	-71.3	216.4	60.0	-71.2	292.6	61.3	-70.8	368.8	61.9	-70.6	445.0	65.0	-70.0
67.1	56.4	-71.3	143.3	59.3	-71.3	219.5	60.0	-71.2	295.7	61.3	-70.8	371.9	61.9	-70.6	448.1	65.0	-70.0
70.1	56.4	-71.3	146.3	59.3	-71.3	222.5	60.0	-71.2	298.7	61.3	-70.8	374.9	61.9	-70.6			
73.2	56.4	-71.3	149.4	59.3	-71.3	225.6	60.0	-71.1	301.8	61.3	-70.8	378.0	62.2	-70.5			
76.2	56.7	-71.3	152.4	59.3	-71.3	228.6	60.0	-71.0	304.8	61.3	-70.8	381.0	62.2	-70.5			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	17.06	CASING										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
17.06	50.30	DACITE FLOWS; Strongly silicified, light to dark grey, mottled to weakly banded rhyolitic flow. Weakly autobrecciated with 5-10% interstitial pyrite stringers. Some weakly phyric (ghosted textures) intervals with stretched spherulites (R.A.). Sphalerite (dark brown) is common in trace amounts as blebs or accretions often independent of pyrite content. Top of interval is strongly fractured and broken. 19.00 - 22.00 - Broken core, rubble; pyritic dacite with minor fuchsite in 1cm QS 22.00 - 23.57 - Mafic to intermediate tertiary feldspar, pyroxene phyric dyke. Strongly calcareous with 1-2% fuchsite on upper contact (not present). Lower contact sharp at 45 degrees to C.A. 26.45 - 36.25 - Trace to 1% sphalerite, dissem. With 10-15% f.g. Pyrite stringers. 40.2 - 43.7 Fault; fault zone broken and blocky core. *Gouge at 43.10 for 10cm.*	25401	22.15	23.07	.92						
			25402	23.07	23.57	.50						
			25403	26.45	27.95	1.50						
			25404	27.95	29.45	1.50						
			25405	29.45	30.67	1.22						
			25406	30.67	31.75	1.08						
			25407	31.75	33.25	1.50						
			25408	33.25	34.75	1.50						
			25409	34.75	36.25	1.50						
			25410	36.25	37.30	1.05						
			25411	37.30	38.80	1.50						
50.30	50.80	SLOKO RHYOLITE DYKE; Well banded, yellow, felsic sloko dyke. Top and basal contacts at 45 degrees to C.A.										
50.80	57.55	DACITE FLOWS; Light grey massive section with very weak ghosted feldspars. Lack of bedding, banding or other extrusive indicators. Pyrite is present from 2-5% disseminated and banded. Sphalerite is present in trace amounts as 1-2mm blebs associated with pyrite stringers from 50.80 - 52.1. 54.57 - 54.97 Mafic, pyroxene phyric dyke. Looks tertiary in age. 1-2% fuchsitic selvage. Top contact at 45 degrees to C.A.. Basal contact at 30 degrees to C.A.. 55.17 - 56.70 BDY; pale green, chloritic, older dyke. Quartz vein at upper contact with a 60 degree to C.A. Lower contact. Sharp basal contact at 50 degrees to C.A.	25412	50.80	52.10	1.30						
			25413	54.57	54.97	.40						
57.55	62.49	FELDSPAR PHYRIC DACITE LAPILLI TUFFS; A feldspar phyric unit with small clasts from 2mm to 1cm. Close to massive textures with an open matrix (<10% clasts), Overall a pale grey colour. Pyrite is present as bands and disseminations from 5-7% of total. Sharp basal contact at 55 degrees to C.A.										
62.49	73.50	DACITE FLOW BRECCIA; Angular sericitic clasts in a grey, weakly feldspar phyric matrix. Clast size varies from 0.5 cm to 12 cm with no apparent grading but center of section does host larger clasts. Clasts are sericitic (70%) with 10-15% very fine grained pyrite. Matrix is strongly silicic. Also 10-20% siliceous clasts (rhyolitic) making the unit heterolithic. Dominantly a closed matrix. Transitional basal contact at 55 degrees to C.A..										
73.50	84.93	RHYOLITE FLOW; Grey, massive feldspar phyric rhyolitic intrusive or flow. Grainy texture with no apparent bedding or extrusive texture. Similar to 50.8 - 57.55.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Feldspar = 20-25% (<0.5mm) Pyrite occurs as trace to 3% disseminations and blebs to 2mm.										
84.93	94.27	FAULT A re-activated fault zone showing a lengthy history of intrusive - dilation -intrusive. Dominantly a syn-depositional mafic dyke (leucoxene phyric in part, silicified in part) with later tertiary megacrystic, amphibole rich dykes enveloping the upper and lower contacts. Rafts of pyrite rich felsic host rock are also apparent with sections of biotite (?) alteration with silica. Quartz vein forms basal contact. Overall broken core with apparent re-healing of faults. 84.93 - 85.30 BDY; Tertiary, amphibole rich 86.80 - 87.40 1-2% f.g. Leucoxene 89.30 - 90.20 f.g. BDY early 91.20 - 91.50 coarse Tertiary BDY same as 84.93 - 85.30 92.25 - 92.45 fuchsite in shear parallel to folition 93.15 - 93.35 same as 91.20 - 91.50 93.50 - 93.60 fuchsite in broken core 93.80 - 94.27 bull quartz vein with trace fuchsite at 60 degrees to C.A. Fills contacts.	25414 25415 25416 25417 25418	86.62 91.43 92.15 93.35 94.23	87.52 92.15 93.15 94.23 94.27	.90 .72 1.00 .88 .04						
94.27	105.23	RHYOLITE FLOW BRECCIAS; (SILICIFICATION) Rhyolitic to rhyo-dacitic flows and flow breccias. Upper 7m of section is well banded (flow) at 45 degrees to C.A. With 1-1.5 cm alternating bands of silica and grey pyritic-sericitic matrix. Polymictic clasts (mafic-vesicular, quartz filled and felsic - cherty) appear to grade up hole to 99.00m where streaky flow banding appears. Pyrite accounts for 5-15% of total section in bands (1-5mm) and f.g. Disseminations. Generally a clast supported unit with a very weak (ghosted) feldspar phyric matrix. Clasts are angular to oblate. Excellent primary textures. 95.12 - 96.17 30% sericite (yellow) pervasive.										
105.23	106.50	FELSIC DYKE; A fine grained, sandy textured, buff coloured, aphanitic felsic dyke with 3-5mm porphyroblastic pyrite. Irregular intrusive contacts - both top and basal.										
106.50	109.36	*DACITE ASH TUFF;* A finer grained sequence, darker grey and more homogenous than the above felsic units. Pyrite and sericite both increase with well developed banding and foliation (sub-paralell) at 45 degrees to C.A. Both clast size and abundance are greatly decreased (<1cm, 20%) with dominantly cherty rhyolitic fragments, sub-rounded. 109.00 - 109.36 Fine grained leucoxene laths Transitional contact to:.										
109.36	158.31	RHYOLITE FLOW BRECCIAS; Grey, polymictic rhyolitic and mafic fragmentals. Generally matrix supported. Clast ratio is approximately 60-70% rhyolitic; 30-40% Mafic Mafic clasts: denoted by their round amygdales (1mm-3mm, 60-70%); filled with quartz and pyrite; range in colour from light brown (sericitized) to grey. Rhyolitic clasts are white to pale grey, angular with 1-2mm clear	25419	136.27	137.77	1.50					

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		qtz. Eyes. Matrix appears to consist of finer clastic material (<0.5cm) with felsic pumice fragments (outlined by R.A.) and is weakly feldpar phyric. 112.26 - 112.46 BDY; early foliated at 45 degrees to C.A. 140.80 - 158.31 Section becomes more densely packed and more felsic rich (>70%). Some rounded felsic clasts may be spherulites. 155.31 - 158.31 Intensely bleached; associated with lower BDY(?). Apple green sericite from 1-3%. Pyrite; from 2-5% pervasive (1mm-2mm) porphyroblasts and disseminations throughout.										
158.31	161.55	BASALT DYKE; Black, dense, mafic dyke with strong chill margins (biotitic). Alteration consisting of a slight hornfelsing and strong peripheral bleaching and sericitization. Probably an early phase (syn-dep). 10-15% fragments (rhyolitic angular, <1 cm) as rip-ups from wall material, in black aphanitic matrix.										
161.55	166.35	RHYOLITE FLOW BRECCIAS; Same as 109-151 with decreased clast size and an increase in felsic clasts to (>70%). Closed matrix is sericitic (>20%) and pyritic (>5%) and comprised of finer fragmental material. 165.35-169.00 A finer grained, well foliated (30 degrees to C. A.) section with 30-50% fine grained pyrite in or as matrix with grey elongate clasts (angular, 1-3cm) Lower contact is transitional to:.	25420 25421	165.25 165.91	165.91 166.71	.66 .80						
166.35	171.30	RHYOLITE INTRUSIVE; (SERICITIZATION) A grey, massive, fractured rhyolite. Top section is well banded at 20 degrres to C.A. Section is more cherty in nature and similar to rhyolitic clasts seen in above RFX excepting a lack of qtz. Eyes. Sericite is well developed parallel to foliation (20%) and is apple green in colour (10-15%). Pyrite occurs as fracture fillings and in bands parallel to foliation for an overall total of 10-15%.	25422 25423 25424	166.71 168.25 169.75	168.25 169.75 171.30	1.54 1.50 1.55						
171.30	181.21	RHYOLITE INTRUSIVE; Grey, very massive, fine grained with weakly feldspar phyric (<0.25mm) matrix. A total lack of extrusive indicators. Mottled or spotty appearance due to (1-2mm) pyrite porphyroblasts (5-10%) of total section. Lack of sericite, fractures and banding differentiates this unit from the above. Basal contact at 30 degrees to C.A. (fault).										
181.21	181.86	VOLCANIC SEDIMENTS; Strongly sheared, brittle-ductile at 30 degrees to C.A. Section is well banded, transposed and appears to comprise a biotitic tuffaceous argillite with strong foliation paralell to quartz +/_ albite stringers and associated fuchsite development. 1-2% fine grained pyrite.	25425	181.21	181.86	.65						
181.86	182.86	RHYOLITE INTRUSIVE; Same as 171.3 to 181.20.	25426	181.86	182.86	1.00						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
182.86	183.54	AMPHIBOLE-PHYRIC BASALT DYKE; Dark brown, amphibole phyric (2-4mm) late lamprophyre dike. 5-10% late crosscutting qtz-albite stringert and fractures. Weak 2-4cm chill margins with fuchsite (>2%).	25427	182.86	183.54	.68						
183.54	192.90	RHYOLITE FLOW; A grey, siliceous, massive section with weak extrusive textures. Strongly feldspar phyric (>25%, 1-2mm) with rare (1-2mm) clear qtz eyes. Weak but pervasive flow (?) banding (1cm) at 40 degrees to C.A. Is more common in lower sections. Pyrite; 1-2% disseminated. Sharp basal contact at 70 degrees to C.A.										
192.90	196.30	RHYOLITE FLOW BRECCIAS;										
196.30	198.84	BASALT DYKE; Late, hornblende (+feldspar) phyric mafic or lamprophyre dike. Same as 182 -183. Fuchsite in chill margins with crosscutting qtz-albite filled fractures (1cm).	25428 25429	196.30 197.75	197.75 198.84	1.45 1.09						
198.84	226.00	RHYOLITE FLOW BRECCIAS; Same as 109.36 - 158.31 A clast supported polymictic mass flow unit (R.A.) with roughly equal percentages of brown to grey amygdaloidal mafic clasts (qtz-pyrite filled) and cherty rhyolitic clasts. Top of section (198.4 - 211.2) is rich in pyritic filled clasts (10% of total) and also as disseminations in matrix. Lower section (211.2 - 226.00) is strongly silicified and/or bleached. 198.84 - 200.34 Fuchsite in qtz. Veins in RFL 208.5 - 209.4 Flow banding with 10cm (208.5 - 208.6) >30% pyrite. 222.6 - 223.3 BDY; early dark green, generally aphanitic with some actinolite (<1mm) pheres and 1-2cm chill margins Basal contact at 55 degrees to C.A.										
226.00	275.24	RHYOLITE INTRUSIVE; (SILICIFICATION) A grey, siliceous massive and aphanitic rhyolitic intrusive. A total lack of extrusive indicators or fragments. Same as 181-191m. Pyrite; accounts for 3-7% in bands, fracture fillings and disseminations Weak internal banding (parallel to foliation) at 45 degrees to C.A. 267.65 - 267.85 BDY; Dark green aphanitic at 90 degrees to C.A. 270.00 - 271.50 BDY; same as above. Upper contact at 60 degrees to C.A., Lower at 90 degrees to C.A. 272.0 - 272.4 BDY; same as above. Upper contact at 45 degrees to C.A. Lower at 80 degrees to C.A. 1% overall white quartz stringers. Basal contact at 65 degrees to C.A.										
275.24	348.06	RHYOLITE FLOW BRECCIAS; (CHLORITIZATION) Same composition and textures as above RFX's excepting an increase in chloritic matrix, giving the unit its overall green colour. Clasts; mafic, amydaloidal, filled with qtz-pyrite, rounded felsic; quartz phyric and cherty (2cm-6cm) for both. Overall matrix supported. Matrix; 60-70%										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		of total section. Dominantly pumice clasts as at 306.2 (R.A.) Pyrite; 275.24 - 321.0 <3% f.g. Disseminated 321.0 - 384.06 Gradual increase from 3-10%, dominantly within amydales of mafic clasts. Fine (<1mm) to meduim grained porphyroblasts (>2mm) Chlorite; Also increases towards base of section >10% wispy fiamme-like textures. Overall unit appears to have a less silicified matrix than above RFX's. Basal contact is irregular (intrusive) at roughly 45 degrees to C.A.										
348.06	376.13	BASALTIC INTRUSION; Massive, green, feldspar phyric mafic intrusion. Unaltered with no hornfelsing on contact but irregular. Weak fabrics at 45 degrees to C.A.										
376.13	383.00	BASALT FLOW BRECCIA; (CHLORITIZATION) A matrix supported, polymictic, clastic unit with an equal percentage of mafic and dacitic clasts. Clasts range from 0.5 cm to 3cm and are angular to sub-angular. Green chloritic matrix. Mafic clasts; amygdaloidal 2-3mm with epidote-qtz replacement. Dacitic clasts; cherty, siliceous, aphanitic Pyrite; Occurs dominantly within mafic clasts as 1mm porphyroblasts. 1-5% total pyrite.										
383.00	383.90	DACITE FLOW BRECCIA; A pale grey, siliceous interval with clastic support (>70%). Clasts are dominantly cherty dacite in a sericitic, chloritic, biotitic matrix. Weak biotitic margins with fairly sharp top and basal margins.										
383.90	391.35	BASALT UNDIFFERENTIATED; Dark green to black, massive aphanitic interval. Strongly fractured and broken core. Chloritic matrix with no apparent textural variation.										
391.35	418.27	BASALT FLOW BRECCIA; (DISSEMINATED PYRITE) A mafic fragmental unit. Dark green with strongly pyritic intervals. Matrix supported with clasts (4-5cm) sub-angular. Amygdaloidal clasts (>70%) with epidote-pyrite-qtz replacement. Matrix varies from aphanitic to amygdaloidal and is chlorite rich. 401.1-405.71 10-15% pyrite. Medium to coarse grained porphyroblastic and within amygdales in clasts. 410.00-411.5 Black aphanitic section possibly a VSD. Dominantly chlorite. Textureless. Transitional contact to:.										
418.27	434.80	BASALT LAPILLI TUFF - AMYGDALOIDAL; A strongly amygdaloidal flow unit with 30-40% qtz-calcite filled amygdales (1-2mm) rounded to sub-rounded. Matrix is aphanitic, chloritic and overall a massive texture is apparent. 420.7-428.87 60% biotite in matrix 420.87-420.97 Well foliated shear zone at 45 degrees to C.A. 429.25-430.75 BDY; light green weakly actinolite phyric with chilled margins 429.55-429.70 FALT; gouge at 80 degrees to C.A.										
434.80	447.45	BASALTIC INTRUSION;										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		A massive hornblende phyric unit. Textureless with simularities to 348-376m. Transitional upper contact with a sharp basal contact at 45 degrees to C.A.										
447.45	450.27	BASALT LAPILLI TUFF - AMYGDALOIDAL; Amygdaloidal basalt flows with (3-4mm) carbonate rich amygdales. Some minor 10cm intervals of aphanitic material. 442.55-443.00 Shear at 20 degrees to C.A. With well foliated QCV.										
450.27		EOH										

Hole No: TC93-9
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
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(metres) E: 9927.35

Azimuth: 52.4
Dip: -72.5
Length (m): 450.27
Elevation: 47.04
(metres)
Purpose: To test strong I.P. conductor and 5200 level alteration and stratigraphy

Core Size: NQ
Drill Name: LY 38
Contractor: Arctic Diamond Drilling Ltd.
Started: August 23,1993
Completed: August 31,1993
Recovery:

Date Logged: Sept 4 - 10, 1993
Logged By: K.M. Curtis
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Re-logged By:
Report Printed: 14 Apr, 1994 11:08am

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
25401	22.15	23.07	.92								2	.4	44	8	74	4.16	123	0	32	336
25402	23.07	23.57	.50								8	.5	38	10	58	4.34	161	0	14	138
25403	26.45	27.95	1.50								18	.4	30	55	56	2.73	7	0	20	59
25404	27.95	29.45	1.50								26	.8	30	246	550	3.33	3	2	24	55
25405	29.45	30.67	1.22								29	1.0	33	476	628	4.06	8	2	38	41
25406	30.67	31.75	1.08								65	1.3	45	523	603	5.98	10	2	48	25
25407	31.75	33.25	1.50								10	.3	13	149	132	1.59	2	0	9	86
25408	33.25	34.75	1.50								13	.3	11	192	312	1.49	2	1	12	80
25409	34.75	36.25	1.50								10	.3	13	186	311	1.63	2	1	9	81
25410	36.25	37.30	1.05								27	.2	11	36	169	1.41	2	0	7	87
25411	37.30	38.80	1.50								4	.1	11	17	293	1.46	10	1	7	116
25412	50.80	52.10	1.30								2	.1	30	5	619	2.16	9	2	7	58
25413	54.57	54.97	.40								4	.2	40	2	71	3.37	33	0	7	168
25414	86.62	87.52	.90								37	.6	27	27	5	4.91	95	0	18	43
25415	91.43	92.15	.72								16	.1	17	3	5	2.22	12	0	5	65
25416	92.15	93.15	1.00								11	.2	18	10	14	3.04	45	0	10	60
25417	93.35	94.23	.88								17	.3	26	11	13	3.00	25	0	12	65
25418	94.23	94.27	.04								3	.1	7	2	3	.79	2	0	2	70
25419	136.27	137.77	1.50								28	.1	10	4	18	3.33	18	0	4	60
25420	165.25	165.91	.66								22	.2	49	10	43	11.02	27	0	13	39
25421	165.91	166.71	.80								16	.1	12	4	17	3.91	8	0	6	68
25422	166.71	168.25	1.54								23	.1	8	7	4	2.67	6	0	4	68
25423	168.25	169.75	1.50								31	.1	13	9	11	3.30	13	0	6	62
25424	169.75	171.30	1.55								25	.3	16	24	92	3.09	7	1	9	60
25425	181.21	181.86	.65								36	.6	30	33	71	3.73	875	0	44	148
25426	181.86	182.86	1.00								21	.1	10	2	13	2.67	20	0	7	61
25427	182.86	183.54	.68								18	.3	45	5	58	4.22	399	0	35	162
25428	196.30	197.75	1.45								13	.2	34	7	54	4.30	295	0	12	108
25429	197.75	198.84	1.09								4	.1	36	2	72	4.68	184	0	2	184

Hole No: TC93-9
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14554.15
(metres) E: 9927.35

Azimuth: 52.4
Dip: -72.5
Length (m): 450.27
Elevation: 47.04
(metres)

Core Size: NQ
Drill Name: LY 38
Contractor: Arctic Diamond Drilling Ltd.
Started: August 23,1993
Completed: August 31,1993
Recovery:

Purpose: To test strong I.P. conductor and 5200 level alteration and stratigraphy

Date Logged: Sept 4 - 10, 1993
Logged By: K.M. Curtis
Date Re-logged:
Re-logged By:
Report Printed: 14 Apr, 1994 11:05am

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
25401	22.15	23.07	.92	1	564	49	858	5	2	464	2	59	5.69	2	736	5.79	.08	3	1
25402	23.07	23.57	.50	2	580	45	1169	5	2	414	2	50	8.26	2	777	4.82	.05	2	1
25403	26.45	27.95	1.50	3	8	6	123	5	2	19	2	2	.33	4	9	.18	.01	2	1
25404	27.95	29.45	1.50	4	11	8	159	5	2	19	2	2	.37	4	26	.18	.01	3	1
25405	29.45	30.67	1.22	2	9	6	147	5	2	16	2	2	.35	4	8	.14	.01	4	1
25406	30.67	31.75	1.08	4	5	7	88	5	2	7	2	2	.18	2	2	.07	.01	5	1
25407	31.75	33.25	1.50	3	6	5	108	5	2	13	2	2	.33	6	17	.09	.01	5	1
25408	33.25	34.75	1.50	3	4	4	117	5	2	16	2	2	.43	7	5	.08	.01	3	1
25409	34.75	36.25	1.50	2	3	4	140	5	2	14	2	2	.44	5	5	.10	.01	4	1
25410	36.25	37.30	1.05	3	4	3	170	5	2	24	2	2	.76	6	16	.09	.01	4	1
25411	37.30	38.80	1.50	2	4	4	125	5	2	15	2	2	.41	6	3	.10	.01	2	1
25412	50.80	52.10	1.30	2	5	4	87	5	2	18	2	2	.19	5	5	.10	.01	2	1
25413	54.57	54.97	.40	2	331	33	1041	5	2	373	2	46	4.99	2	318	3.61	.07	2	1
25414	86.62	87.52	.90	4	11	10	103	5	2	24	2	2	.40	3	5	.13	.01	2	1
25415	91.43	92.15	.72	5	9	7	48	5	2	12	2	2	.26	7	4	.09	.01	4	1
25416	92.15	93.15	1.00	5	41	10	261	5	2	64	2	4	1.60	2	68	.68	.01	3	1
25417	93.35	94.23	.88	3	26	12	319	5	2	75	2	5	1.75	2	7	.93	.01	3	1
25418	94.23	94.27	.04	3	9	3	165	5	2	41	2	2	.75	2	13	.34	.01	4	2
25419	136.27	137.77	1.50	3	7	6	271	5	2	22	2	2	.36	4	19	.52	.01	2	1
25420	165.25	165.91	.66	2	20	25	393	5	2	38	2	11	.56	2	11	.71	.01	5	1
25421	165.91	166.71	.80	2	6	8	247	5	2	23	2	3	.27	4	7	.45	.01	3	1
25422	166.71	168.25	1.54	4	5	4	107	5	2	22	2	2	.24	7	20	.16	.01	2	1
25423	168.25	169.75	1.50	4	6	5	160	5	2	32	2	2	.46	4	5	.29	.01	2	1
25424	169.75	171.30	1.55	3	4	5	215	5	2	39	2	2	.53	5	6	.34	.01	2	1
25425	181.21	181.86	.65	3	583	49	1132	5	2	257	2	54	2.55	2	1180	6.01	.06	2	1
25426	181.86	182.86	1.00	3	32	6	329	5	2	110	2	3	.97	2	23	1.20	.01	3	1
25427	182.86	183.54	.68	1	314	36	2067	5	2	239	2	74	3.08	2	363	5.26	.10	2	1
25428	196.30	197.75	1.45	1	367	39	2122	5	2	30	2	62	.36	2	418	4.56	.07	2	1
25429	197.75	198.84	1.09	1	280	34	2925	5	2	29	2	95	.43	2	392	6.07	.12	2	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TC93-09

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED LENGTH > 10 cm	R.Q.D.
0.00	20.42	20.42	1.67	8.18%	0.40	1.96%
20.42	23.47	3.05	2.37	77.70%	0.53	17.38%
23.47	24.69	1.22	1.22	100.00%	0.33	27.05%
24.69	26.52	1.83	1.64	89.62%	0.37	20.22%
26.52	29.57	3.05	2.92	95.74%	1.53	50.16%
29.57	31.85	2.28	2.28	100.00%	0.83	36.40%
31.85	35.05	3.20	3.01	94.06%	2.06	64.38%
35.05	38.10	3.05	3.05	100.00%	2.08	68.20%
38.10	41.03	2.93	2.66	90.78%	1.07	36.52%
41.03	41.99	0.96	0.93	96.87%	0.25	26.04%
41.99	43.59	1.60	1.44	90.00%	0.00	0.00%
43.59	46.48	2.89	2.45	84.78%	1.13	39.10%
46.48	48.16	1.68	1.68	100.00%	0.00	0.00%
48.16	49.99	1.83	1.73	94.54%	0.47	25.68%
49.99	50.29	0.30	0.23	76.67%	0.00	0.00%
50.29	52.12	1.83	1.31	71.58%	0.81	44.26%
52.12	55.17	3.05	3.05	100.00%	2.42	79.34%
55.17	57.00	1.83	1.83	100.00%	1.07	58.47%
57.00	60.05	3.05	3.05	100.00%	2.21	72.46%
60.05	63.09	3.04	3.04	100.00%	2.20	72.37%
63.09	66.14	3.05	3.15	103.28%	2.11	69.18%
66.14	69.19	3.05	3.03	99.34%	2.42	79.34%
69.19	72.24	3.05	2.78	91.15%	2.02	66.23%
72.24	75.29	3.05	3.05	100.00%	2.13	69.84%
75.29	78.33	3.04	3.04	100.00%	2.36	77.63%
78.33	81.38	3.05	3.05	100.00%	2.42	79.34%
81.38	84.43	3.05	3.05	100.00%	2.42	79.34%
84.43	86.72	2.29	2.29	100.00%	0.93	40.61%
86.72	88.70	1.98	1.98	100.00%	0.89	44.95%
88.70	90.53	1.83	1.83	100.00%	0.84	45.90%
90.53	93.57	3.04	2.97	97.70%	1.89	62.17%
93.57	96.62	3.05	2.97	97.38%	1.71	56.07%
96.62	99.67	3.05	3.05	100.00%	2.43	79.67%
99.67	102.72	3.05	3.05	100.00%	2.26	74.10%
102.72	105.77	3.05	3.05	100.00%	2.53	82.95%
105.77	108.66	2.89	2.89	100.00%	1.61	55.71%
108.66	111.86	3.20	3.16	98.75%	2.41	75.31%
111.86	114.30	2.44	2.44	100.00%	1.67	68.44%
114.30	117.35	3.05	3.05	100.00%	2.66	87.21%
117.35	120.55	3.20	3.20	100.00%	2.51	78.44%
120.55	121.31	0.76	0.40	52.63%	0.30	39.47%
121.31	124.05	2.74	2.74	100.00%	2.09	76.28%
124.05	125.27	1.22	1.22	100.00%	1.02	83.61%
125.27	128.32	3.05	3.05	100.00%	2.90	95.08%
128.32	131.62	3.30	3.15	95.45%	1.96	59.39%
131.62	134.72	3.10	3.06	98.71%	2.73	88.06%
134.72	137.77	3.05	2.88	94.43%	1.98	64.92%
137.77	140.82	3.05	3.05	100.00%	2.37	77.70%
140.82	144.02	3.20	3.2	100.00%	2.74	85.62%
144.02	147.22	3.20	3.11	97.19%	2.53	79.06%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TC93-09

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED LENGTH > 10 cm	R.Q.D.
147.22	150.42	3.20	3.18	99.38%	2.8	87.50%
150.42	153.47	3.05	2.97	97.38%	2.6	85.25%
153.47	156.51	3.04	3.04	100.00%	2.32	76.32%
156.51	159.41	2.90	2.77	95.52%	2.02	69.66%
159.41	161.85	2.44	2.41	98.77%	1.45	59.43%
161.85	165.05	3.20	3.11	97.19%	2.57	80.31%
165.05	168.25	3.20	3.16	98.75%	2.29	71.56%
168.25	171.3	3.05	3.05	100.00%	2.31	75.74%
171.30	172.97	1.67	1.67	100.00%	0.73	43.71%
172.97	176.02	3.05	3.05	100.00%	2.57	84.26%
176.02	178.31	2.29	2.27	99.13%	1.23	53.71%
178.31	179.68	1.37	1.37	100.00%	0.80	58.39%
179.68	181.36	1.68	1.44	85.71%	0.71	42.26%
181.36	183.64	2.28	2.28	100.00%	1.28	56.14%
183.64	184.71	1.07	1.07	100.00%	0.95	88.79%
184.71	186.23	1.52	1.52	100.00%	0.71	46.71%
186.23	187.91	1.68	1.68	100.00%	1.10	65.48%
187.91	191.11	3.20	3.20	100.00%	2.34	73.12%
191.11	194.01	2.90	2.81	96.90%	2.18	75.17%
194.01	196.60	2.59	2.59	100.00%	1.77	68.34%
196.60	199.64	3.04	3.04	100.00%	2.27	74.67%
199.64	202.39	2.75	2.75	100.00%	2.61	94.91%
202.39	205.74	3.35	3.35	100.00%	2.58	77.01%
205.74	206.35	0.61	0.61	100.00%	0.47	77.05%
206.35	209.40	3.05	2.99	98.03%	2.24	73.44%
209.40	212.14	2.74	2.74	100.00%	2.13	77.74%
212.14	215.34	3.20	3.11	97.19%	1.64	51.25%
215.34	218.24	2.90	2.90	100.00%	2.90	100.00%
218.24	221.29	3.05	3.05	100.00%	2.14	70.16%
221.29	224.49	3.20	3.20	100.00%	2.79	87.19%
224.49	227.69	3.20	3.20	100.00%	3.02	94.38%
227.69	230.73	3.04	3.04	100.00%	2.73	89.80%
230.73	233.78	3.05	3.05	100.00%	2.38	78.03%
233.78	236.52	2.74	2.74	100.00%	1.98	72.26%
236.52	239.57	3.05	3.05	100.00%	2.45	80.33%
239.57	242.62	3.05	3.05	100.00%	1.75	57.38%
242.62	245.67	3.05	3.05	100.00%	1.34	43.93%
245.67	248.87	3.20	3.20	100.00%	1.97	61.56%
248.87	252.07	3.20	3.11	97.19%	1.29	40.31%
252.07	254.66	2.59	2.59	100.00%	2.26	87.26%
254.66	257.71	3.05	3.05	100.00%	2.83	92.79%
257.71	260.76	3.05	3.05	100.00%	2.90	95.08%
260.76	263.96	3.20	3.20	100.00%	2.75	85.94%
263.96	266.40	2.44	2.44	100.00%	2.11	86.48%
266.40	269.44	3.04	3.20	105.26%	2.70	88.82%
269.44	272.64	3.20	3.20	100.00%	2.60	81.25%
272.64	275.84	3.20	3.20	100.00%	2.78	86.88%
275.84	279.04	3.20	3.20	100.00%	2.76	86.25%
279.04	282.24	3.20	3.20	100.00%	2.94	91.88%
282.24	285.45	3.21	3.21	100.00%	2.10	65.42%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TC93-09

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED LENGTH > 10 cm	R.Q.D.
285.45	288.65	3.20	3.16	98.75%	2.67	83.44%
288.65	291.69	3.04	3.04	100.00%	2.48	81.58%
291.69	294.74	3.05	3.03	99.34%	2.78	91.15%
294.74	297.79	3.05	3.05	100.00%	2.71	88.85%
297.79	300.69	2.90	2.72	93.79%	2.61	90.00%
300.69	303.73	3.04	3.04	100.00%	2.89	95.07%
303.73	305.71	1.98	1.98	100.00%	1.22	61.62%
305.71	307.7	1.99	1.99	100.00%	1.59	79.90%
307.70	313.03	5.33	5.26	98.69%	3.47	65.10%
313.03	315.01	1.98	1.7	85.86%	1.02	51.52%
315.01	318.21	3.20	3.2	100.00%	2.33	72.81%
318.21	321.26	3.05	3.05	100.00%	1.72	56.39%
321.26	321.72	0.46	0.46	100.00%	0.34	73.91%
321.72	324.92	3.20	3.2	100.00%	2.08	65.00%
324.92	328.12	3.20	3.17	99.06%	2.55	79.69%
328.12	331.32	3.20	3.2	100.00%	2.08	65.00%
331.32	334.37	3.05	3.05	100.00%	2.59	84.92%
334.37	337.41	3.04	3.04	100.00%	2.49	81.91%
337.41	340.46	3.05	3.05	100.00%	2.49	81.64%
340.46	343.51	3.05	3.05	100.00%	2.98	97.70%
343.51	346.56	3.05	3.05	100.00%	2.56	83.93%
346.56	349.61	3.05	3.05	100.00%	1.95	63.93%
349.61	352.65	3.04	3.04	100.00%	2.5	82.24%
352.65	354.18	1.53	1.53	100.00%	1.14	74.51%
354.18	355.09	0.91	0.91	100.00%	0.84	92.31%
355.09	358.29	3.20	3.18	99.37%	3.04	95.00%
358.29	361.49	3.20	3.03	94.69%	2.74	85.63%
361.49	364.54	3.05	3.05	100.00%	2.81	92.13%
364.54	367.74	3.20	3.07	95.94%	2.87	89.69%
367.74	370.79	3.05	3.05	100.00%	2.98	97.70%
370.79	373.68	2.89	2.89	100.00%	2.75	95.16%
373.68	376.73	3.05	3.05	100.00%	2.27	74.43%
376.73	379.78	3.05	3.05	100.00%	2.07	67.87%
379.78	382.83	3.05	3.05	100.00%	1.95	63.93%
382.83	385.88	3.05	3.03	99.34%	2.07	67.87%
385.88	388.62	2.74	2.64	96.35%	1.02	37.23%
388.62	390.14	1.52	1.25	82.24%	0	0.00%
390.14	391.36	1.22	1.22	100.00%	0.32	26.23%
391.36	394.11	2.75	2.75	100.00%	1.02	37.09%
394.11	394.72	0.61	0.61	100.00%	0.26	42.62%
394.72	397.15	2.43	2.43	100.00%	1.72	70.78%
397.15	398.98	1.83	1.83	100.00%	1.02	55.74%
398.98	400.81	1.83	1.51	82.51%	0.45	24.59%
400.81	402.64	1.83	1.61	87.98%	0.81	44.26%
402.64	403.86	1.22	1.15	94.26%	0.33	27.05%
403.86	407.21	3.35	3.29	98.21%	2.15	64.18%
407.21	408.13	0.92	0.84	91.30%	0.51	55.43%
408.13	410.72	2.59	2.74	105.79%	1.98	76.45%
410.72	411.18	0.46	0.45	97.83%	0.12	26.09%
411.18	414.53	3.35	3.26	97.31%	2.51	74.93%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TC93-09

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED LENGTH > 10 cm	R.Q.D.
414.53	416.97	2.44	2.21	90.57%	1.44	59.02%
416.97	420.17	3.20	3.2	100.00%	2.01	62.81%
420.17	422.45	2.28	2.28	100.00%	1.84	80.70%
422.45	425.65	3.20	3.2	100.00%	1.66	51.88%
425.65	428.85	3.20	3.18	99.37%	1.8	56.25%
428.85	431.75	2.90	2.72	93.79%	1.6	55.17%
431.75	434.95	3.20	3.2	100.00%	2.74	85.63%
434.95	438	3.05	3.05	100.00%	2.16	70.82%
438.00	441.05	3.05	3.05	100.00%	2.26	74.10%
441.05	444.09	3.04	3.04	100.00%	1.33	43.75%
444.09	446.07	1.98	1.84	92.93%	0.43	21.72%
446.07	448.67	2.60	2.6	100.00%	0.53	20.38%
448.67	449.88	1.21	1.21	100.00%	0.41	33.88%
449.88	EOH			94.19%		66.42%

Hole No: TC93-10
Client:
Property: Tulsequah Chief
Claim:
Co-ords: N: 14860.81
(metres) E: 10723.92

Azimuth: 173.3
Dip: -50.0
Length (m): 329.20
Elevation: 374.24
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug 30, 1993
Completed: Sept. 3, 1993
Recovery:

Date Logged: Sept. 4, 1993
Logged By: B Carmichael
Date Re-logged:
Re-logged By:
Report Printed: 14 Apr, 1994 2:43pm

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip
0.0	173.3	-50.0
323.1	173.3	-49.0

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	3.50	CASING										
3.50	11.30	BASALT LAPILLI TUFF; (EPIDOTIZATION) Moderately propylitic augite-phyric basalt agglomerate. Frags are 1-5cm, blocky and unsorted. Subhedral augite phenocrysts are 5-10%, 1-5mm. This section of core is very blocky and has gravel between some sections of core. This is probably talus blocks which have been cored, and the bedrock contact is @ 11.3m.										
11.30	23.60	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) Dark greenish black, mottled weakly silicified basalt flows and tuffs. Both amygdaloidal flows and bedded ash tuffs can be identified over narrow intervals, but generally, primary textures are obscured. Pervasive chlorite (2%) gives the rock its color. Epidote is 2-5% and occurs as spots apparently representing amygdules. Epidote is most abundant from 30.9m to 48.2m. Disseminated coarse (½-4mm) pyrite averages ~2% and is rarely intergrown with chalcopyrite (0.1%). Sulphides occur as disseminations, stringers and blebs within quartz amygdules and veinlets.	25351 25352 25353 25354 25355 25356 25357 25358	11.30 12.50 14.00 15.50 17.00 18.50 20.00 21.50	12.50 14.00 15.50 17.00 18.50 20.00 21.50 23.60	1.20 1.50 1.50 1.50 1.50 1.50 1.50 2.10						
23.60	23.80	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) A distinctly banded section, probably bedded ash tuff. Dissem. Py is 5% and disseminations follow certain bands. Banding dips 45° TCA.	25359	23.60	23.80	.20						
23.80	25.60	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		(Same as 11.3 - 23.6.).	25360	23.80	25.00	1.20						
			25361	25.00	26.50	1.50						
25.60	27.20	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Distinct amygdaloidal basalt flow. Round white quartz amygdules (1-5m) are 2%. Py (2%) and trace Cp occur as very fine disseminations, as stringers and as granoblastic within amygdules. Contacts are marked by the absence of amygdules, although the matrix doesn't change.	25362	26.50	28.00	1.50						
27.20	31.40	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 11.3 - 23.6.).	25363	28.00	29.50	1.50						
			25364	29.50	31.00	1.50						
			25365	31.00	32.50	1.50						
31.40	47.30	BASALT FLOW; (EPIDOTIZATION) (DISSEMINATED PYRITE) Another amygdaloidal section. Amygdules are small (.5-4mm), abundant (10%) and most commonly epidote and quartz filled, although some larger ones (5-6mm) are filled with white quartz. Py ± Cp also occurs in amygdules, but is more commonly coarsly disseminated (Py ~8%, Cp ~.1%). No Py stringers noted here. Both contacts are pretty distinct. Two F.G. Reddish Qz-Hem-Ep brassy pyrite veins occur @ 37m.	25366	32.50	34.00	1.50						
			25367	34.00	35.50	1.50						
			25368	35.50	37.00	1.50						
			25369	37.00	38.50	1.50						
			25370	38.50	40.00	1.50						
			25371	40.00	41.50	1.50						
			25372	41.50	43.00	1.50						
			25373	43.00	44.50	1.50						
			25374	44.50	46.00	1.50						
			25375	46.00	48.30	2.30						
47.30	48.30	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 11.3 - 23.6.).										
48.30	53.40	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) This is similar to 23.6 - 23.8, but not as well banded. It is homogeneous, has a faint F.G. Granular texture and is locally weakly banded. Dissem. Py is 5% throughout, and again is more abundant in certain bands. Trace Cp is noted. Banding is quite steep to CA, ranging from +10° to 0° to -10°, outlining a fold hinge @ 49.8m. A 10cm section of epidotized amygdular basalt @ 52.7m may be a large frag.	25376	48.30	48.80	.50						
			25377	48.80	50.30	1.50						
			25378	50.30	51.80	1.50						
			25379	51.80	53.40	1.60						
53.40	54.70	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 11.3 - 23.6.).	25380	53.40	55.00	1.60						
54.70	63.80	This core was dropped and is out of order. It is mostly chloritic amygdaloidal basalt, some sections are mod - strongly silicified.	25381	55.00	56.50	1.50						
			25382	56.50	58.00	1.50						
			25383	58.00	59.50	1.50						
			25384	59.50	61.00	1.50						
			25385	61.00	62.50	1.50						
			25386	62.50	63.80	1.30						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
63.80	72.76	SLOKO RHYOLITE DYKE; Pinkish-cream colored flow banded sloko rhyolite dyke. Three sections of basalt occur within the dyke as described below. U. C. @ 46° L. C. @ 80° (F.B. @ L.C. @ 36°).	25387	63.80	64.80	1.00						
72.76	73.45	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Chunk of basalt in dyke.										
73.45	76.80	SLOKO RHYOLITE DYKE; (Same as 63.8 - 72.76.).										
76.80	77.60	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Amygdalodal basalt and basalt ash tuff. Py is 10% - no Cp noted. U.C. Broken. L.C. 45°.										
77.60	78.40	SLOKO RHYOLITE DYKE; Same as 63.8 - 72.76 metres.										
78.40	80.40	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) U.C. 30°. L.C. 35°.										
80.40	97.00	SLOKO RHYOLITE DYKE; (Same as 63.8 - 72.76.).										
97.00	99.00	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Crushed core, amygdaloidal basalt. Contacts broken.										
99.00	101.90	SLOKO RHYOLITE DYKE; (Same as 63.8 - 72.76.).										
101.90	118.30	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Greenish - black, chloritic amygdaloidal basalt flow with 10% dissem. Py. W. Silicification is pervasive. This is the same unit as above the dyke, except for the absence of chalcopyrite here.										
118.30	132.80	BASALT FLOW; (EPIDOTIZATION) (DISSEMINATED PYRITE) Same as last interval, except for the presence of 10% patchy and spotted epidote. U.C. Is fairly sharp, lower is gradational, in fact there are no major changes in lithology from here to the end of the hole. Epidote occurs as amygdules with Qz & Py, and in epidote-quartz veins. Py content has increased to 15% here, and silicification is stronger than in the preceeding intervals. No Cp.										
132.80	133.00	BASALT FLOW; (CHLORITIZATION) (MASSIVE PYRITE) 60% F.G. Pyrite in PY & CHL vein.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
133.00	142.10	BASALT FLOW; (EPIDOTIZATION) (DISSEMINATED PYRITE) (Same as 118.3 - 132.8.).										
142.10	143.90	SLOKO RHYOLITE DYKE; Sloko rhyolite dyke. Flow banding @ 40° TCA. 5cm of fault gouge @ lower contact. @ ~55° TCA.										
143.90	145.00	BASALT FLOW; (EPIDOTIZATION) (DISSEMINATED PYRITE) (Same as 118.3 - 132.8.).										
145.00	145.60	FAULT Quartz-healed fault zone.										
145.60	166.90	BASALT FLOW; (EPIDOTIZATION) (DISSEMINATED PYRITE) (Same as 118.3 - 132.8.).										
166.90	177.80	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Chloritic amygdaloidal basalt flow. Same as last section, but only 1% epidote. Biotite (3%) gives the unit a slight brownish cast. Silicification is a bit stronger here than noted above. 10-15% Py.										
177.80	178.00	(MASSIVE PYRITE) (CHLORITIZATION) Chlorite-Pyrite-quartz vein. 70% coarse granoblastic pyrite in a matrix of white quartz and blue-black chlorite. Contacts are diffuse, Py content of wallrocks is 20%. Poss. Tr. Chalco.										
178.00	179.60	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 166.9 - 177.8.).	25388	178.60	179.60	1.00						
179.60	180.80	(MASSIVE PYRITE) (SILICIFICATION) 90-95% Massive pyrite vein with interstitial white quartz and a bit of chlorite. Pyrite is coarse and granular. Grains are 1-10mm and have a cracke Bx texture, with quartz as a matrix. U. C. @ 36°. L.C. @ 36°.	25389 25390	179.60 180.20	180.20 180.80	.60 .60						
180.80	197.00	BASALT LAPILLI TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Chloritized basalt agglomerate. 40% large (5-15cm) white silicified amygdaloidal basalt fragments in a blue-black chloritic groundmass. Matrix is also amygdaloidal. 'Frags' almost look like patchy silicification, however, some contacts are too sharp not to be frags. Epidote and Py occur in amygdules in both frags and matrix, and Py occurs disseminated and in massive, F.G. Patches and stringers mostly in the matrix. Mass. Py bands 2-3mm wide commonly rim frags. Total Py is 20-30%. L.C. Of this unit is gradational into amygdaloidal basalt, same as matrix, but no frags.	25391	180.80	181.80	1.00						
197.00	203.90	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Typical chloritized pyritic amygdaloidal basalt flow. Greenish-black										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		color. Qz-Py-Ep- filled amygdules (1-3mm, 10%). Chloritic matrix with 10% finely dissem. Py. Silicified sections look a lot like 'frags' in last interval, but are veins and patches. (15% Py Total).										
203.90	204.60	BASALT DYKE; Medium green, hornblende-phyric basalt dyke. Cut by a 10cm quartz vein. U.C. = L.C. = 50°.										
204.60	205.70	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 197.0 - 203.9.).										
205.70	206.10	BASALT DYKE; U.C. 30°. L.C. 70°.										
206.10	206.30	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 197.0 - 203.9.).										
206.30	207.10	BASALT DYKE; Same bdy as above (205.7 - 206.1). 6 quartz veins (5cm) cut this interval. One 1cm vein contains 60% pyrite and 10% chalcopyrite. U.C. = 40° = L.C.										
207.10	243.60	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 197.0 - 203.9.).										
243.60	244.50	(MASSIVE PYRITE) (CHLORITIZATION) Pyrite-chlorite vein, same as 179.6m, but Py content 75-80%, chlorite 15%, quartz 5%. C.U. = 55°; CL = 60°.										
244.50	252.10	BASALT FLOW; (SILICIFICATION) (DISSEMINATED PYRITE) This section is different alteration of the usual amygdaloidal unit. Alteration is pervasive weak slilicification with fg biotite. Mottled sections show this alteration assemblage destroying the blue-black pervasive chlorite alt'n. Py content is 8%. Possible alteration envelope to Py vein. L.C. Gradational.										
252.10	263.60	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Chloritized amygdaloidal basalt flow Bx or agglomerate. F.G.blue-black chlorite dominates the matrix (20%). Amygdules in matrix are Qz-Ep±Py filled. Patches of more intensely epidotized basalt may be frags, or just patchy alt'n. Pyrite content is significantly less here - totalling ~5%. Core is badly broken from 259m to 263.1m.										
263.60	285.30	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) No amygdules are seen in this fg homogeneous dark grey section. Weak granular texture, 8% finely dissem and stringer Py. Ep envelopes to stringers Chlorite alteration is moderate here. Gradational, indistinct										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		contacts.										
285.30	329.20	BASALT FLOW; (EPIDOTIZATION) (DISSEMINATED PYRITE) Amygdaloidal basalt flows and finer grained sections (ash tuffs?). Pyrite occurs as disseminations, stringers and amygdule fillings (with Ep & Qz) and totals only ~5%. Epidote (5%) is a distinct feature of this unit, but pervasive, fg blue-black chlorite (10-15%) alteration and is still more prevalent.										
329.20		EOH										

Hole No: TC93-10
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14860.81
(metres) E: 10723.92

Azimuth: 173.3
Dip: -50.0
Length (m): 329.20
Elevation: 374.24
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started:
Completed: Sept. 3, 1993
Recovery:

Date Logged: Sept. 4, 1993
Logged By: B Carmichael
Date Re-logged:
Re-logged By:
Report Printed: 14 Apr, 1994 2:42pm

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
25351	11.30	12.50	1.20								15	.4	65	5	64	5.43	14	0	2	65
25352	12.50	14.00	1.50								11	.3	125	5	61	5.07	2	0	2	68
25353	14.00	15.50	1.50								10	.8	35	8	84	6.26	15	0	2	66
25354	15.50	17.00	1.50								12	.5	86	6	78	6.91	22	0	2	47
25355	17.00	18.50	1.50								10	.5	156	5	96	7.16	25	0	2	52
25356	18.50	20.00	1.50								7	.4	397	10	107	6.80	34	0	2	64
25357	20.00	21.50	1.50								19	.1	554	21	135	7.67	79	0	2	13
25358	21.50	23.60	2.10								4	.1	190	2	114	7.26	11	0	2	19
25359	23.60	23.80	.20								2	.1	79	7	89	6.86	13	0	2	18
25360	23.80	25.00	1.20								3	.2	1322	3	97	6.39	12	0	2	18
25361	25.00	26.50	1.50								5	.1	273	5	92	6.38	21	0	2	19
25362	26.50	28.00	1.50								5	.1	276	8	92	6.19	25	0	3	28
25363	28.00	29.50	1.50								30	.2	940	7	101	7.79	46	0	11	23
25364	29.50	31.00	1.50								32	.1	291	14	94	9.69	64	1	4	9
25365	31.00	32.50	1.50								11	.1	110	6	88	7.91	45	0	2	16
25366	32.50	34.00	1.50								5	.1	925	9	90	7.57	35	0	2	18
25367	34.00	35.50	1.50								12	.1	22	8	92	8.12	71	0	2	16
25368	35.50	37.00	1.50								10	.1	132	5	84	6.83	41	0	2	22
25369	37.00	38.50	1.50								6	.1	28	2	99	6.39	26	0	2	34
25370	38.50	40.00	1.50								2	.1	294	3	99	6.69	14	0	2	23
25371	40.00	41.50	1.50								1	.1	744	2	94	6.31	5	0	2	26
25372	41.50	43.00	1.50								1	.1	433	2	94	6.54	7	0	2	20
25373	43.00	44.50	1.50								5	.1	26	3	94	6.72	22	0	2	17
25374	44.50	46.00	1.50								5	.1	35	2	97	6.51	28	0	2	16
25375	46.00	48.30	2.30								2	.1	53	5	106	6.72	26	0	2	19
25376	48.30	48.80	.50								4	.1	837	2	99	8.22	8	0	2	14
25377	48.80	50.30	1.50								11	.1	58	7	100	8.73	34	0	2	11
25378	50.30	51.80	1.50								9	.1	32	7	93	7.93	29	0	2	12
25379	51.80	53.40	1.60								8	.1	463	2	109	8.82	29	0	2	15
25380	53.40	55.00	1.60								14	.1	142	2	92	8.47	43	0	2	12
25381	55.00	56.50	1.50								13	.2	480	11	70	7.16	52	0	2	8
25382	56.50	58.00	1.50								8	.1	51	4	44	4.16	39	0	2	14

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
25383	58.00	59.50	1.50								11	.1	424	3	85	6.94	37	0	3	14
25384	59.50	61.00	1.50								8	.1	212	6	78	6.48	24	0	6	18
25385	61.00	62.50	1.50								11	.1	43	4	51	4.50	34	0	2	21
25386	62.50	63.80	1.30								15	.1	30	6	32	3.74	55	0	3	21
25387	63.80	64.80	1.00								2	.1	13	27	62	1.67	10	0	4	113
25388	178.60	179.60	1.00								9	.1	20	2	67	9.05	16	0	2	15
25389	179.60	180.20	.60								26	.3	352	9	30	18.95	28	2	2	5
25390	180.20	180.80	.60								25	.7	1549	8	57	19.00	24	2	2	6
25391	180.80	181.80	1.00								5	.1	22	8	61	6.94	11	0	2	21

Hole No: TC93-10
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14860.81
(metres) E: 10723.92

Azimuth: 173.3
Dip: -50.0
Length (m): 329.20
Elevation: 374.24
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
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Started:
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Recovery:

Date Logged: Sept. 4, 1993
Logged By: B Carmichael
Date Re-logged:
Re-logged By:
Report Printed: 14 Apr, 1994 2:41pm

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
25351	11.30	12.50	1.20	1	6	27	905	5	2	10	3	65	.28	2	9	2.76	.08	3	1
25352	12.50	14.00	1.50	1	7	22	624	5	2	13	4	69	.32	2	6	2.19	.10	2	1
25353	14.00	15.50	1.50	1	6	23	995	5	2	9	3	78	.28	2	10	3.08	.11	2	1
25354	15.50	17.00	1.50	4	8	27	864	5	2	18	2	86	.38	2	11	2.89	.10	3	1
25355	17.00	18.50	1.50	1	7	27	898	5	2	19	3	87	.34	2	7	3.30	.10	3	1
25356	18.50	20.00	1.50	2	7	26	960	5	2	24	2	106	.46	2	9	3.16	.13	4	1
25357	20.00	21.50	1.50	4	7	28	785	5	2	27	5	101	.57	2	7	2.77	.12	2	8
25358	21.50	23.60	2.10	1	5	19	1125	5	2	35	2	116	.59	2	6	3.67	.10	2	1
25359	23.60	23.80	.20	1	5	24	944	5	2	47	2	116	.68	2	6	3.27	.12	2	66
25360	23.80	25.00	1.20	1	5	21	939	5	2	39	4	105	.69	2	4	3.16	.11	2	1
25361	25.00	26.50	1.50	1	5	22	1009	5	2	55	2	111	.90	2	4	2.97	.13	2	1
25362	26.50	28.00	1.50	1	6	26	1116	5	2	85	4	117	.97	2	5	2.94	.15	2	13
25363	28.00	29.50	1.50	1	7	27	1333	5	2	55	5	145	1.76	2	4	3.29	.14	2	1
25364	29.50	31.00	1.50	1	6	32	1182	5	2	29	2	101	1.17	2	4	3.26	.10	2	1
25365	31.00	32.50	1.50	1	8	26	1276	8	2	32	2	99	.76	2	8	3.47	.11	2	6
25366	32.50	34.00	1.50	1	9	23	1314	5	2	37	3	94	.68	2	9	3.69	.11	2	1
25367	34.00	35.50	1.50	1	9	25	1337	5	2	34	2	104	.63	2	9	3.71	.11	2	1
25368	35.50	37.00	1.50	1	11	28	1099	5	2	36	2	99	.76	2	9	3.48	.12	2	4
25369	37.00	38.50	1.50	1	11	23	1409	5	2	34	2	108	.77	2	11	4.07	.12	2	1
25370	38.50	40.00	1.50	1	10	29	1500	5	2	32	3	115	.63	2	10	4.08	.14	2	1
25371	40.00	41.50	1.50	1	10	22	1466	5	2	41	2	112	.66	2	10	3.96	.15	2	4
25372	41.50	43.00	1.50	1	9	24	1418	5	2	42	2	105	.62	2	9	3.88	.13	2	1
25373	43.00	44.50	1.50	1	12	30	1604	5	2	37	2	99	.80	2	11	3.78	.11	2	1
25374	44.50	46.00	1.50	1	12	30	1630	5	2	31	6	98	.57	2	12	3.77	.13	2	3
25375	46.00	48.30	2.30	1	10	27	1908	5	2	27	2	102	.71	2	10	4.10	.12	2	1
25376	48.30	48.80	.50	1	6	40	1257	5	2	39	4	156	.82	2	6	3.48	.15	2	1
25377	48.80	50.30	1.50	1	10	39	1413	5	2	25	2	136	.55	2	5	4.01	.15	2	1
25378	50.30	51.80	1.50	1	11	29	1474	5	2	22	2	129	.49	2	7	3.76	.14	2	1
25379	51.80	53.40	1.60	1	10	43	1602	5	2	32	2	153	.66	2	7	4.24	.16	2	1
25380	53.40	55.00	1.60	1	15	45	1488	5	2	23	3	114	.51	2	10	3.78	.12	2	1
25381	55.00	56.50	1.50	1	13	32	1011	5	2	22	3	71	.56	2	8	2.95	.12	2	1
25382	56.50	58.00	1.50	2	5	10	593	5	2	20	3	20	.41	2	3	1.65	.09	2	3

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
25383	58.00	59.50	1.50	1	11	32	946	5	2	77	4	95	.74	2	8	3.18	.13	2	1
25384	59.50	61.00	1.50	1	9	27	1003	5	2	60	2	103	.90	2	9	2.96	.14	2	1
25385	61.00	62.50	1.50	4	4	9	786	5	2	18	3	16	.36	2	2	2.02	.08	2	4
25386	62.50	63.80	1.30	2	4	9	468	5	2	16	2	8	.35	4	3	1.11	.07	2	1
25387	63.80	64.80	1.00	2	2	1	862	5	12	76	2	4	1.10	16	4	.34	.01	2	1
25388	178.60	179.60	1.00	4	14	33	1048	5	2	20	3	90	.42	2	10	4.28	.10	2	1
25389	179.60	180.20	.60	4	5	114	474	5	3	9	12	48	.14	2	9	1.69	.04	4	1
25390	180.20	180.80	.60	5	11	107	690	5	3	12	45	64	.20	2	11	2.56	.07	2	1
25391	180.80	181.80	1.00	1	19	23	924	5	2	21	2	87	.54	2	12	3.19	.14	2	3

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-10

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	6.10	6.10	2.21	36.23%	0.71	11.64%
6.10	9.14	3.04	1.71	56.25%	0.59	19.41%
9.14	11.28	2.14	0.53	24.77%	0.00	0.00%
11.28	13.11	1.83	1.83	100.00%	0.92	50.27%
13.11	15.24	2.13	2.13	100.00%	0.81	38.03%
15.24	18.29	3.05	3.03	99.34%	1.99	65.25%
18.29	21.34	3.05	2.98	97.70%	2.53	82.95%
21.34	24.38	3.04	3.04	100.00%	2.19	72.04%
24.38	27.43	3.05	3.02	99.02%	1.03	33.77%
27.43	30.48	3.05	3.04	99.67%	0.64	20.98%
30.48	33.53	3.05	3.05	100.00%	2.16	70.82%
33.53	36.58	3.05	3.05	100.00%	2.11	69.18%
36.58	39.62	3.04	3.04	100.00%	2.38	78.29%
39.62	42.67	3.05	3.05	100.00%	2.26	74.10%
42.67	45.72	3.05	3.05	100.00%	2.20	72.13%
45.72	48.77	3.05	3.05	100.00%	1.42	46.56%
48.77	51.82	3.05	2.98	97.70%	1.19	39.02%
51.82	54.86	3.04	3.04	100.00%	1.31	43.09%
54.86	57.91	3.05	3.05	100.00%	2.24	73.44%
57.91	60.96	3.05	3.05	100.00%	2.39	78.36%
60.96	64.01	3.05	3.05	100.00%	1.91	62.62%
64.01	67.06	3.05	3.05	100.00%	1.88	61.64%
67.06	70.10	3.04	3.04	100.00%	2.77	91.12%
70.10	73.15	3.05	3.05	100.00%	2.36	77.38%
73.15	76.20	3.05	3.05	100.00%	1.48	48.52%
76.20	79.25	3.05	3.05	100.00%	1.86	60.98%
79.25	82.30	3.05	3.05	100.00%	2.05	67.21%
82.30	85.34	3.04	3.04	100.00%	1.85	60.86%
85.34	88.39	3.05	3.05	100.00%	1.33	43.61%
88.39	91.44	3.05	3.05	100.00%	0.97	31.80%
91.44	94.49	3.05	3.05	100.00%	1.84	60.33%
94.49	97.54	3.05	3.05	100.00%	0.67	21.97%
97.54	100.58	3.04	3.04	100.00%	0.61	20.07%
100.58	103.63	3.05	3.05	100.00%	1.85	60.66%
103.63	106.68	3.05	3.05	100.00%	1.54	50.49%
106.68	109.73	3.05	3.05	100.00%	1.17	38.36%
109.73	112.78	3.05	3.05	100.00%	1.36	44.59%
112.78	115.82	3.04	3.04	100.00%	2.03	66.78%
115.82	118.87	3.05	3.05	100.00%	1.73	56.72%
118.87	121.92	3.05	3.05	100.00%	2.00	65.57%
121.92	124.97	3.05	3.05	100.00%	1.99	65.25%
124.97	128.02	3.05	3.05	100.00%	1.97	64.59%
128.02	131.06	3.04	3.04	100.00%	2.38	78.29%
131.06	134.11	3.05	3.05	100.00%	2.39	78.36%
134.11	137.16	3.05	3.05	100.00%	1.93	63.28%
137.16	140.21	3.05	3.05	100.00%	1.81	59.34%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-10

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
140.21	143.26	3.05	3.05	100.00%	1.13	37.05%
143.26	146.30	3.04	3.04	100.00%	1.07	35.20%
146.30	149.35	3.05	3.05	100.00%	1.88	61.64%
149.35	152.40	3.05	3.05	100.00%	2.36	77.38%
152.40	155.45	3.05	3.05	100.00%	2.06	67.54%
155.45	158.50	3.05	3.05	100.00%	2.33	76.39%
158.50	161.54	3.04	3.04	100.00%	1.77	58.22%
161.54	164.59	3.05	3.05	100.00%	1.91	62.62%
164.59	167.64	3.05	3.05	100.00%	2.69	88.20%
167.64	170.69	3.05	3.05	100.00%	1.62	53.11%
170.69	173.74	3.05	3.05	100.00%	1.87	61.31%
173.74	176.78	3.04	3.04	100.00%	2.29	75.33%
176.78	179.83	3.05	3.05	100.00%	2.46	80.66%
179.83	182.88	3.05	3.05	100.00%	1.62	53.11%
182.88	185.93	3.05	3.05	100.00%	2.25	73.77%
185.93	188.98	3.05	3.05	100.00%	2.22	72.79%
188.98	192.02	3.04	3.04	100.00%	2.73	89.80%
192.02	195.07	3.05	3.05	100.00%	2.42	79.34%
195.07	198.12	3.05	3.05	100.00%	2.72	89.18%
198.12	201.17	3.05	3.05	100.00%	2.40	78.69%
201.17	204.22	3.05	3.05	100.00%	2.38	78.03%
204.22	207.26	3.04	3.04	100.00%	2.27	74.67%
207.26	210.31	3.05	3.05	100.00%	1.80	59.02%
210.31	213.36	3.05	3.05	100.00%	1.05	34.43%
213.36	216.41	3.05	3.05	100.00%	1.36	44.59%
216.41	219.46	3.05	3.05	100.00%	2.26	74.10%
219.46	222.50	3.04	3.04	100.00%	1.95	64.14%
222.50	225.55	3.05	3.05	100.00%	1.89	61.97%
225.55	228.60	3.05	3.05	100.00%	1.28	41.97%
228.60	231.65	3.05	3.05	100.00%	1.61	52.79%
231.65	234.70	3.05	3.05	100.00%	1.12	36.72%
234.70	237.74	3.04	3.04	100.00%	1.85	60.86%
237.74	240.79	3.05	3.05	100.00%	1.71	56.07%
240.79	243.84	3.05	3.05	100.00%	1.23	40.33%
243.84	246.89	3.05	3.05	100.00%	1.96	64.26%
246.89	249.94	3.05	3.05	100.00%	1.91	62.62%
249.94	252.98	3.04	3.04	100.00%	1.83	60.20%
252.98	256.03	3.05	3.05	100.00%	1.81	59.34%
256.03	259.08	3.05	3.05	100.00%	1.39	45.57%
259.08	262.13	3.05	3.05	100.00%	0.87	28.52%
262.13	265.18	3.05	2.92	95.74%	1.03	33.77%
265.18	268.22	3.04	3.04	100.00%	2.65	87.17%
268.22	271.27	3.05	3.05	100.00%	2.65	86.89%
271.27	274.32	3.05	3.05	100.00%	2.61	85.57%
274.32	277.37	3.05	3.05	100.00%	2.41	79.02%
277.37	280.42	3.05	3.05	100.00%	1.63	53.44%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-10

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
280.42	283.46	3.04	3.04	100.00%	1.09	35.86%
283.46	286.51	3.05	3.05	100.00%	1.23	40.33%
286.51	289.56	3.05	3.05	100.00%	1.35	44.26%
289.56	292.61	3.05	3.05	100.00%	1.94	63.61%
292.61	295.66	3.05	3.05	100.00%	2.00	65.57%
295.66	298.70	3.04	3.04	100.00%	1.50	49.34%
298.70	301.75	3.05	3.05	100.00%	1.48	48.52%
301.75	304.80	3.05	3.05	100.00%	2.30	75.41%
304.80	307.85	3.05	3.05	100.00%	1.52	49.84%
307.85	310.90	3.05	3.05	100.00%	2.21	72.46%
310.90	313.94	3.04	3.04	100.00%	2.28	75.00%
313.94	317.00	3.06	3.06	100.00%	2.40	78.43%
317.00	320.04	3.04	3.04	100.00%	2.15	70.72%
320.04	323.09	3.05	3.05	100.00%	1.45	47.54%
323.09	326.14	3.05	3.05	100.00%	2.10	68.85%
326.14	329.18	3.04	3.04	100.00%	2.14	70.39%
329.18	EOH			97.82%		59.01%

Hole No: TC93-11
Client:
Property: Tulsequah Chief
Claim:
Co-ords: N: 14861.03
(metres) E: 10723.89

Azimuth: 171.4
Dip: -75.5
Length (m): 344.40
Elevation: 374.11
(metres)
Purpose:

Core Size: NQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started: Sept. 3 1993
Completed: Sept. 6, 1993
Recovery:

Date Logged: Sept. 6, 1993
Logged By: B. Carmichael
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 1:19pm

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	171.4	-75.5												

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	10.20	CASING Augite-phyric basalt agglomerate talus. A 20cm block of coarse granodiorite occurs just before the bedrock contact (10-10.2m).										
10.20	10.80	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Chloritized amygdaloidal basalt flows with minor interbedded mafic ash tuffs. Amygdules are very conspicuous throughout this section, particularly 43m-53m. Amygdules sit in a fg dark greenish-black chloritic matrix. They are filled with Qz+Py ± Ep ± Cp. Cp averages ~.1% over this interval, primarily as blebs within amygdules, but occasionally within Qz stringers. Weak silicification is noted down to ~25m, where it dies out. The lower contact of this section is marked by a fault. (Total Py = 8%).	25392	10.20	11.20	1.00						
10.80	11.20	(MASSIVE PYRITE) (CHLORITIZATION) Pyrite-chlorite vein. Py is fg, patchy, 50%, chlorite is blue-black, fg 50%.										
11.20	36.70	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 10.2 - 10.8.).	25393	11.20	12.50	1.30						
			25394	12.50	14.00	1.50						
			25395	14.00	15.50	1.50						
			25396	15.50	17.00	1.50						
			25397	17.00	18.50	1.50						
			25398	18.50	20.00	1.50						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
			25399	20.00	21.50	1.50						
			25434	21.50	23.00	1.50						
			25435	23.00	24.50	1.50						
			25436	24.50	26.00	1.50						
			25437	26.00	27.50	1.50						
			25438	27.50	29.00	1.50						
			25439	29.00	30.50	1.50						
			25440	30.50	32.00	1.50						
			25441	32.00	33.50	1.50						
			25442	33.50	35.00	1.50						
			25443	35.00	36.70	1.70						
36.70	38.00	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) No amygdules, fg unit with intense chlorite alteration and 5% finely disseminated Py. Contacts indistinct.	25444	36.70	38.00	1.30						
38.00	41.90	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 10.2 - 10.8.).	25445	38.00	39.50	1.50						
			25446	39.50	41.00	1.50						
			25447	41.00	41.90	.90						
41.90	42.20	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Banded, fg layer - possible bedded ash tuff. Banding @ 47° incl 1cm Py band. Bands are 0.5-3cm.	25448	41.90	42.20	.30						
42.20	43.00	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 10.2 - 10.8.).	25449	42.20	43.00	.80						
43.00	53.00	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) This section has very distinct amygdules (10%, 1-10mm) in a dark chloritic fg matrix. Amygdules are filled with Qz +Py ± Ep ± Cp.	25450	43.00	44.50	1.50						
			68751	44.50	46.00	1.50						
			68752	46.00	47.50	1.50						
			68753	47.50	49.00	1.50						
			68754	49.00	50.50	1.50						
			68755	50.50	52.00	1.50						
			68756	52.00	53.00	1.00						
53.00	61.90	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 10.2 - 10.8.).	68757	53.00	54.50	1.50						
			68758	54.50	56.00	1.50						
			68759	56.00	57.50	1.50						
			68760	57.50	59.00	1.50						
			68761	59.00	60.50	1.50						
			68762	60.50	61.90	1.40						
61.90	62.60	FAULT Narrow fault zone. Fault gouge dips 30°. Calcite veinlets and pervasive	68763	61.90	62.60	.70						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		epidote alteration envelope the fault.										
62.60	63.90	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 10.2 - 10.8.).	68764	62.60	63.90	1.30						
63.90	64.20	BASALT FLOW; (HEMATITE) (DISSEMINATED PYRITE) Hematitic, patchy quartz veins - same as 37m in TC93-10.	68765	63.90	64.20	.30						
64.20	67.60	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 10.2 - 10.8.).	68766 68767	64.20 65.70	65.70 67.60	1.50 1.90						
67.60	69.50	FAULT (CARBONATE ALTERED) (DISSEMINATED PYRITE) Crushed core, calcite veinlets and some fault gouge. Gouge dips ~30° but not conclusive. Rocks above and below this section are identical, although chalcopyrite content is much less below than above.	68768	67.60	68.60	1.00						
69.50	92.50	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Chloritic amygdaloidal basalt flow. Total pyrite is 10% as stringers, amygdules and coarse disseminations. Same unit as 10.2 - 10.8, but only trace chalcopyrite (in amygdules).										
92.50	104.60	BASALT ASH TUFF; (SILICIFICATION) (DISSEMINATED PYRITE) Chloritized and silicified fg massive basalt ash tuff. No amygdules or fragments. Blue-black chlorite alteration @ top grades into grey, moderately to strongly silicified tuff. Silicification is mottled and patchy within the chloritic section. Pyrite is stringers and disseminations at ~3%. Alteration may be related to 10cm section of fault gouge @ bottom of interval.										
104.60	104.70	FAULT Fault gouge dips 40° TCA.										
104.70	106.10	BASALT FLOW; (SILICIFICATION) (DISSEMINATED PYRITE) Silicified amygdaloidal basalt flow. Silicification fades out towards bottom.										
106.10	119.50	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 69.5 - 119.5.).										
119.50	126.60	SLOKO RHYOLITE DYKE; Sloko rhyolite dyke. Contacts @ 20° TCA, minor shearing @ bottom. Core is badly broken over much of this interval.										
126.60	144.70	BASALT LAPILLI TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Compositionally the same as the rest of the basalts, and same pervasive chlorite, patchy epidote and dissem. Py (10%). Distinguished by the										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		presence of 10% white, totally silicified amygdaloidal basalt fragments (1-5cm).										
144.70	166.10	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) No frags, amygdaloidal, 10-15% epidote, 10-15% pyrite, 20% pervasive chlorite, weakly silicified. Fault zone from 162.8m to 164.3m contains vuggy calcite veins.										
166.10	185.90	BASALT LAPILLI TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Same as last BAG section above, except frags are larger (up to 20cm). Some frags rimmed with epidote and Py. Dissem. Py ~8%.										
185.90	199.00	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Dark, greenish-black basalt flow. A few (5%) amygdules. Dissem. Py is ~10%, patchy epidote 5%. A few large (10-20cm) pale grey, silicified amygdaloidal frags in bottom 6m.	68769	198.00	199.00	1.00						
199.00	199.40	(MASSIVE PYRITE) Coarse grained massive pyrite vein at ~20° TCA. Fractures @ 5° TCA cut the vein and Py is recrystallized along them.	68770	199.00	199.40	.40						
199.40	203.30	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 185.9 - 199.).	68771	199.40	200.40	1.00						
203.30	205.40	SLOKO RHYOLITE DYKE; Sloko rhyolite dyke @ 38° TCA.										
205.40	224.20	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) This section is a mixture of amygdaloidal basalt flows and flow Bx or agglomerates. Silicified amygdaloidal fragments are scattered throughout, some sections of distinct fragmentals or massive flows are noted, but usually they are mixed. Alteration is typical for this hole. Blue-black pervasive chlorite matrix (20%), patchy epidote (5-10%) and dissem and vein pyrite (5-10%). Generally, Py decreases towards the bottom. Amygdules are seen throughout the interval, are 1-5mm, round and Qz ± Ep ± Py filled. No Cp noted in this section.										
224.20	232.00	BASALT FLOW; (SILICIFICATION) (DISSEMINATED PYRITE) Greyish-green silicified basalt flow (amygdaloidal). Pervasive silica is ~40% and quartz stringers are 1%. No reason for this silicified interval is apparent. Poss. Alteration envelope to Py vein, but it seems large for the size of the vein, and is not symmetrical.	68772	231.00	232.00	1.00						
232.00	232.40	(MASSIVE PYRITE) Coarse pyrite vein. 60-70% pyrite in a chloritic matrix. Contacts are gradational, and core is broken by fractures @ ~5° TCA.	68773	232.00	232.40	.40						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
232.40	236.30	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 205.4 - 224.2.).	68774	232.40	233.40	1.00						
236.30	237.10	BASALT DYKE; Medium grained basalt dyke. Contacts @ 50° minor Qz-Ca stringers and a bit of shearing.										
237.10	238.70	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 205.4 - 224.2.).										
238.70	239.90	BASALT DYKE; Same as 263.3 - 237.1. Core badly broken - probablya small fault zone.										
239.90	305.90	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 205.4 - 224.2.).	68775	304.90	305.90	1.00						
305.90	306.10	(MASSIVE PYRITE) 4cm Qz-Py-Cp vein cuts the core @ 15° TCA. Blebby Cp is 10% of the vein.	68776	305.90	306.10	.20						
306.10	318.00	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 205.4 - 224.2.).	68777	306.10	307.10	1.00						
318.00	322.30	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) A fg section with no amygdules. This section is fairly massive and homogeneous and represents a tuffaceous section. Epidote is decreased to 2%, chlorite and Py are 20% and 10%. L.C. Fairly sharp @ ~40°, may be bedding.										
322.30	325.10	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 205.4 - 224.2.).										
325.10	325.50	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Same as 318.0 - 322.3 interval. Both contacts look conformable and unit is banded. Bands are pyritic, 2-5mm. Contacts dip 40° (U.C.) and 40° (L.C.), but they dip opposite ways.										
325.50	344.40	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (DISSEMINATED PYRITE) (Same as 205.4 - 224.2.).										
344.40		EOH										

Hole No: TC93-11
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14861.03
(metres) E: 10723.89

Azimuth: 171.4
Dip: 75.5
Length (m): 344.40
Elevation: 374.11
(metres)
Purpose:

Core Size: NQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started: Sept. 3 1993
Completed: Sept. 6, 1993
Recovery:

Date Logged: Sept. 6, 1993
Logged By: B. Carmichael
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 1:18pm

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
25392	10.20	11.20	1.00								18	.3	55	16	103	10.41	35	0	2	18
25393	11.20	12.50	1.30								8	.1	35	12	76	6.49	16	0	2	43
25394	12.50	14.00	1.50								5	.1	52	2	74	6.67	13	0	2	43
25395	14.00	15.50	1.50								2	.1	22	6	73	5.67	10	1	2	76
25396	15.50	17.00	1.50								2	.1	24	6	95	6.38	8	0	2	58
25397	17.00	18.50	1.50								9	.1	37	3	87	7.13	15	0	2	22
25398	18.50	20.00	1.50								4	.1	22	5	63	4.50	16	1	2	63
25399	20.00	21.50	1.50								9	.2	29	14	79	5.97	23	0	2	33
25434	21.50	23.00	1.50								9	.1	20	9	77	5.19	27	1	2	51
25435	23.00	24.50	1.50								9	.2	218	9	83	5.90	28	0	2	32
25436	24.50	26.00	1.50								6	.2	775	4	86	6.02	13	0	2	35
25437	26.00	27.50	1.50								2	.1	441	2	106	5.60	12	1	2	42
25438	27.50	29.00	1.50								14	.2	284	10	75	5.63	35	0	2	31
25439	29.00	30.50	1.50								15	.3	176	19	79	7.35	85	0	2	20
25440	30.50	32.00	1.50								5	.2	412	5	86	6.48	16	0	2	29
25441	32.00	33.50	1.50								2	.2	846	2	99	6.06	6	0	2	48
25442	33.50	35.00	1.50								2	.1	420	2	86	5.72	14	0	2	43
25443	35.00	36.70	1.70								4	.1	286	2	88	5.89	10	0	2	36
25444	36.70	38.00	1.30								4	.2	247	5	84	5.96	15	0	2	41
25445	38.00	39.50	1.50								3	.3	808	4	116	6.22	14	0	2	40
25446	39.50	41.00	1.50								5	.3	859	10	95	6.40	14	0	2	33
25447	41.00	41.90	.90								3	.2	389	4	92	5.70	19	0	2	47
25448	41.90	42.20	.30								5	.2	100	6	100	7.30	25	0	2	20
25449	42.20	43.00	.80								5	.2	387	8	86	6.53	17	0	2	25
25450	43.00	44.50	1.50								4	.1	408	5	100	5.66	14	0	2	37
68751	44.50	46.00	1.50								4	.3	1234	6	111	6.21	17	0	2	25
68752	46.00	47.50	1.50								11	.4	370	3	94	5.95	21	0	2	31
68753	47.50	49.00	1.50								2	.1	121	5	111	5.72	12	0	2	34
68754	49.00	50.50	1.50								2	.1	227	3	93	5.51	12	0	2	45
68755	50.50	52.00	1.50								2	.1	32	4	85	5.67	5	0	2	38
68756	52.00	53.00	1.00								5	.2	152	2	83	6.06	12	0	2	38
68757	53.00	54.50	1.50								11	.1	61	7	98	7.12	18	1	2	26

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68758	54.50	56.00	1.50								8	.1	157	7	90	6.64	19	0	2	25
68759	56.00	57.50	1.50								5	.1	121	4	92	7.04	12	0	2	36
68760	57.50	59.00	1.50								13	.1	171	7	85	8.55	15	0	2	17
68761	59.00	60.50	1.50								5	.1	492	4	74	6.16	7	1	2	35
68762	60.50	61.90	1.40								4	.2	887	5	69	5.87	7	0	2	40
68763	61.90	62.60	.70								3	.1	489	4	69	5.42	5	1	12	89
68764	62.60	63.90	1.30								6	.1	35	2	86	7.62	15	0	2	20
68765	63.90	64.20	.30								16	.1	37	9	63	9.14	57	0	2	10
68766	64.20	65.70	1.50								28	.1	28	9	78	8.21	57	1	2	15
68767	65.70	67.60	1.90								19	.1	18	4	70	8.03	19	0	2	11
68768	67.60	68.60	1.00								20	.1	18	9	80	10.23	37	0	2	11
68769	198.00	199.00	1.00								64	.1	29	4	70	9.30	15	0	2	12
68770	199.00	199.40	.40								24	.1	122	5	74	17.27	12	4	2	10
68771	199.40	200.40	1.00								57	.1	26	2	68	9.38	11	1	2	14
68772	231.00	232.00	1.00								9	.1	50	2	70	7.28	2	1	2	23
68773	232.00	232.40	.40								31	1.2	5905	9	61	18.82	15	4	2	11
68774	232.40	233.40	1.00								6	.1	118	8	73	11.22	15	1	2	15
68775	304.90	305.90	1.00								1	.1	24	2	40	6.46	2	1	2	15
68776	305.90	306.10	.20								17	1.1	8582	2	39	9.12	6	0	2	17
68777	306.10	307.10	1.00								1	.1	51	2	47	6.02	3	1	2	20

Hole No: TC93-11
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14861.03
(metres) E: 10723.89

Azimuth: 171.4
Dip: 75.5
Length (m): 344.40
Elevation: 374.11
(metres)
Purpose:

Core Size: NQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started: Sept. 3 1993
Completed: Sept. 6, 1993
Recovery:

Date Logged: Sept. 6, 1993
Logged By: B. Carmichael
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 1:17pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
25392	10.20	11.20	1.00	1	8	37	1309	5	2	6	6	90	.11	2	6	3.33	.03	2	1
25393	11.20	12.50	1.30	1	12	26	1006	5	2	9	2	72	.20	2	7	2.77	.07	2	1
25394	12.50	14.00	1.50	1	7	24	973	5	2	7	2	71	.19	2	6	2.62	.07	2	1
25395	14.00	15.50	1.50	1	7	13	1023	5	2	11	2	81	.24	2	6	2.83	.08	2	2
25396	15.50	17.00	1.50	1	6	17	1117	5	2	7	2	87	.16	2	7	3.22	.08	4	3
25397	17.00	18.50	1.50	1	5	20	971	5	2	11	2	84	.23	2	6	2.74	.09	4	1
25398	18.50	20.00	1.50	1	6	18	915	5	2	14	2	45	.30	2	6	2.45	.04	4	1
25399	20.00	21.50	1.50	1	11	31	985	5	2	12	2	51	.26	2	5	2.70	.05	2	1
25434	21.50	23.00	1.50	1	6	25	862	5	2	11	4	53	.27	2	5	2.52	.07	2	1
25435	23.00	24.50	1.50	1	9	20	942	5	2	14	2	60	.36	2	6	2.60	.07	2	2
25436	24.50	26.00	1.50	1	9	18	1085	5	2	11	2	64	.29	2	6	2.66	.09	2	2
25437	26.00	27.50	1.50	1	7	16	1117	5	2	20	2	70	.43	2	6	2.83	.12	2	2
25438	27.50	29.00	1.50	1	7	22	763	5	2	16	2	59	.32	2	6	2.18	.11	2	2
25439	29.00	30.50	1.50	1	7	22	875	5	2	15	2	65	.36	2	5	2.35	.11	2	1
25440	30.50	32.00	1.50	1	7	20	1260	5	2	20	2	79	.51	2	6	2.82	.11	2	1
25441	32.00	33.50	1.50	1	3	13	1551	5	2	20	2	88	.48	2	7	3.26	.11	2	2
25442	33.50	35.00	1.50	1	8	12	1302	5	2	22	2	81	.45	2	6	2.94	.12	2	2
25443	35.00	36.70	1.70	1	7	16	1336	5	2	25	2	87	.55	2	7	2.79	.12	2	1
25444	36.70	38.00	1.30	1	12	18	1567	5	2	30	4	91	1.10	2	6	2.51	.07	2	1
25445	38.00	39.50	1.50	1	7	24	1881	5	2	28	3	94	1.20	2	4	2.50	.08	2	2
25446	39.50	41.00	1.50	1	9	21	1295	5	2	22	2	86	.62	2	4	2.64	.10	2	2
25447	41.00	41.90	.90	1	9	20	1355	5	2	26	2	88	.70	2	4	2.80	.11	2	3
25448	41.90	42.20	.30	1	10	29	1345	5	2	19	2	113	.35	2	4	3.03	.13	3	2
25449	42.20	43.00	.80	1	6	23	1213	5	2	18	2	90	.35	2	4	2.85	.13	2	2
25450	43.00	44.50	1.50	1	14	23	1243	5	2	23	2	87	.45	2	6	2.81	.13	3	2
68751	44.50	46.00	1.50	1	11	25	1135	5	2	17	3	75	.39	2	3	2.72	.13	2	3
68752	46.00	47.50	1.50	1	11	35	1163	5	2	11	2	75	.26	2	4	2.94	.13	2	1
68753	47.50	49.00	1.50	1	6	22	1156	5	2	18	2	80	.39	2	5	2.67	.14	2	2
68754	49.00	50.50	1.50	1	6	20	1207	5	2	19	2	87	.38	2	4	2.71	.14	2	2
68755	50.50	52.00	1.50	1	5	22	1187	5	2	16	2	80	.31	2	5	2.71	.14	2	1
68756	52.00	53.00	1.00	1	10	23	1153	5	2	22	2	85	.45	2	4	2.60	.13	2	2
68757	53.00	54.50	1.50	1	6	27	1391	5	2	21	2	104	.60	2	6	3.52	.11	2	1

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68758	54.50	56.00	1.50	1	6	26	1207	5	2	17	2	94	.33	2	8	3.38	.12	2	1
68759	56.00	57.50	1.50	1	7	23	1405	5	2	20	2	107	.35	2	7	3.50	.12	2	1
68760	57.50	59.00	1.50	1	7	36	1426	5	2	28	5	101	.81	2	6	3.25	.11	2	1
68761	59.00	60.50	1.50	1	7	28	1261	5	2	49	2	111	1.07	2	8	2.85	.15	2	1
68762	60.50	61.90	1.40	1	7	25	1141	5	2	36	2	108	.90	2	7	2.76	.12	2	1
68763	61.90	62.60	.70	1	7	18	2119	5	2	87	2	74	3.96	5	7	2.71	.03	2	1
68764	62.60	63.90	1.30	1	13	29	1613	5	2	33	2	117	.84	2	15	3.91	.08	2	1
68765	63.90	64.20	.30	1	10	31	1173	5	2	27	2	87	.70	2	11	2.98	.08	2	1
68766	64.20	65.70	1.50	1	11	29	1262	5	2	28	2	99	.61	2	12	3.58	.10	2	1
68767	65.70	67.60	1.90	1	10	27	1280	5	2	23	2	102	.62	2	15	3.54	.09	2	1
68768	67.60	68.60	1.00	1	11	33	1354	5	2	17	10	106	.48	2	13	3.86	.06	2	1
68769	198.00	199.00	1.00	1	22	44	1160	5	2	29	5	109	.61	2	14	3.63	.11	2	1
68770	199.00	199.40	.40	1	18	51	1083	7	3	23	2	86	.48	2	18	3.39	.06	2	1
68771	199.40	200.40	1.00	1	22	45	1132	5	2	31	9	110	.75	2	13	3.81	.11	2	1
68772	231.00	232.00	1.00	1	16	17	1090	5	2	52	2	128	1.09	2	13	3.86	.13	2	1
68773	232.00	232.40	.40	1	12	33	821	5	2	47	2	99	.42	2	13	2.67	.18	2	1
68774	232.40	233.40	1.00	1	20	50	1129	5	2	97	2	153	1.25	2	15	3.67	.25	2	1
68775	304.90	305.90	1.00	1	16	29	607	5	2	54	2	106	.92	2	18	2.14	.15	2	1
68776	305.90	306.10	.20	2	14	28	578	5	2	78	8	112	1.61	2	14	1.80	.10	2	1
68777	306.10	307.10	1.00	1	14	22	706	5	2	52	2	124	.96	2	13	2.72	.15	2	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-11

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	3.66	3.66	1.40	38.25%	0.43	11.75%
3.66	4.88	1.22	0.54	44.26%	0.00	0.00%
4.88	5.79	0.91	0.34	37.36%	0.18	19.78%
5.79	7.01	1.22	0.71	58.20%	0.11	9.02%
7.01	12.19	5.18	3.44	66.41%	1.54	29.73%
12.19	15.24	3.05	2.97	97.38%	1.92	62.95%
15.24	18.29	3.05	2.89	94.75%	1.89	61.97%
18.29	21.34	3.05	3.04	99.67%	2.50	81.97%
21.34	24.38	3.04	2.98	98.03%	2.46	80.92%
24.38	27.43	3.05	3.01	98.69%	1.93	63.28%
27.43	30.48	3.05	3.02	99.02%	2.49	81.64%
30.48	33.53	3.05	3.03	99.34%	2.25	73.77%
33.53	36.58	3.05	3.05	100.00%	2.32	76.07%
36.58	39.62	3.04	3.03	99.67%	1.19	39.14%
39.62	42.67	3.05	3.02	99.02%	2.46	80.66%
42.67	45.72	3.05	3.05	100.00%	2.31	75.74%
45.72	48.77	3.05	3.05	100.00%	2.82	92.46%
48.77	51.82	3.05	3.05	100.00%	2.58	84.59%
51.82	54.86	3.04	3.04	100.00%	2.59	85.20%
54.86	57.91	3.05	3.05	100.00%	2.43	79.67%
57.91	60.96	3.05	3.04	99.67%	2.09	68.52%
60.96	64.01	3.05	3.04	99.67%	1.26	41.31%
64.01	67.06	3.05	3.05	100.00%	1.12	36.72%
67.06	70.10	3.04	2.84	93.42%	0.16	5.26%
70.10	73.15	3.05	3.05	100.00%	2.35	77.05%
73.15	76.20	3.05	2.82	92.46%	1.76	57.70%
76.20	79.25	3.05	3.05	100.00%	0.54	17.70%
79.25	82.30	3.05	3.05	100.00%	1.28	41.97%
82.30	85.34	3.04	3.01	99.01%	2.58	84.87%
85.34	88.39	3.05	3.04	99.67%	2.51	82.30%
88.39	91.44	3.05	3.05	100.00%	2.56	83.93%
91.44	94.49	3.05	3.05	100.00%	2.21	72.46%
94.49	97.54	3.05	3.05	100.00%	2.29	75.08%
97.54	100.58	3.04	3.04	100.00%	1.77	58.22%
100.58	103.63	3.05	3.05	100.00%	1.32	43.28%
103.63	106.68	3.05	3.05	100.00%	1.41	46.23%
106.68	109.73	3.05	3.05	100.00%	0.92	30.16%
109.73	112.78	3.05	3.05	100.00%	2.49	81.64%
112.78	115.82	3.04	3.04	100.00%	2.13	70.07%
115.82	118.87	3.05	3.05	100.00%	2.36	77.38%
118.87	121.92	3.05	2.90	95.08%	0.50	16.39%
121.92	124.97	3.05	3.05	100.00%	1.51	49.51%
124.97	128.02	3.05	3.05	100.00%	0.52	17.05%
128.02	131.06	3.04	3.04	100.00%	1.36	44.74%
131.06	134.11	3.05	3.05	100.00%	2.11	69.18%
134.11	137.16	3.05	3.05	100.00%	2.80	91.80%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-11

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
137.16	140.21	3.05	3.05	100.00%	2.33	76.39%
140.21	143.26	3.05	3.05	100.00%	2.25	73.77%
143.26	146.3	3.04	3.04	100.00%	2.26	74.34%
146.30	149.35	3.05	3.05	100.00%	2.01	65.90%
149.35	152.4	3.05	3.05	100.00%	2.63	86.23%
152.40	155.45	3.05	3.05	100.00%	2.12	69.51%
155.45	158.5	3.05	3.02	99.02%	1.34	43.93%
158.50	161.54	3.04	3.04	100.00%	2.63	86.51%
161.54	164.59	3.05	2.87	94.10%	0.94	30.82%
164.59	167.64	3.05	3.05	100.00%	2.2	72.13%
167.64	170.69	3.05	3.05	100.00%	2.32	76.07%
170.69	173.74	3.05	3.01	98.69%	2.33	76.39%
173.74	176.78	3.04	3.04	100.00%	2.27	74.67%
176.78	179.83	3.05	3.05	100.00%	1.96	64.26%
179.83	182.88	3.05	3.03	99.34%	2.26	74.10%
182.88	185.93	3.05	3.05	100.00%	0.43	14.10%
185.93	188.98	3.05	3.05	100.00%	0.93	30.49%
188.98	192.02	3.04	3.04	100.00%	2.05	67.43%
192.02	195.07	3.05	3.05	100.00%	1.83	60.00%
195.07	198.12	3.05	3.05	100.00%	2.18	71.48%
198.12	201.17	3.05	3.05	100.00%	1.89	61.97%
201.17	204.22	3.05	3.05	100.00%	2.21	72.46%
204.22	207.26	3.04	3.04	100.00%	1.82	59.87%
207.26	210.31	3.05	3.05	100.00%	2.14	70.16%
210.31	213.36	3.05	3.05	100.00%	2.37	77.70%
213.36	216.41	3.05	3.05	100.00%	2.09	68.52%
216.41	219.46	3.05	3.05	100.00%	2.19	71.80%
219.46	222.50	3.04	3.04	100.00%	1.81	59.54%
222.50	225.55	3.05	3.05	100.00%	2.40	78.69%
225.55	228.60	3.05	3.05	100.00%	1.60	52.46%
228.60	231.65	3.05	3.05	100.00%	2.54	83.28%
231.65	234.70	3.05	3.05	100.00%	1.70	55.74%
234.70	237.74	3.04	3.04	100.00%	1.99	65.46%
237.74	240.79	3.05	3.05	100.00%	0.99	32.46%
240.79	243.84	3.05	3.05	100.00%	1.24	40.66%
243.84	246.89	3.05	3.05	100.00%	2.21	72.46%
246.89	249.94	3.05	3.05	100.00%	2.79	91.48%
249.94	252.88	2.94	2.94	100.00%	2.60	88.44%
252.88	256.03	3.15	3.15	100.00%	1.61	51.11%
256.03	259.08	3.05	3.05	100.00%	1.91	62.62%
259.08	262.13	3.05	3.05	100.00%	1.82	59.67%
262.13	265.18	3.05	3.05	100.00%	1.37	44.92%
265.18	268.22	3.04	3.04	100.00%	1.89	62.17%
268.22	271.27	3.05	3.05	100.00%	2.40	78.69%
271.27	274.32	3.05	3.05	100.00%	1.26	41.31%
274.32	277.37	3.05	2.93	96.07%	1.64	53.77%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-11

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
277.37	280.41	3.04	3.04	100.00%	1.91	62.83%
280.41	283.46	3.05	3.05	100.00%	2.38	78.03%
283.46	286.51	3.05	3.05	100.00%	2.10	68.85%
286.51	289.56	3.05	3.05	100.00%	2.37	77.70%
289.56	292.61	3.05	3.05	100.00%	1.10	36.07%
292.61	295.66	3.05	3.05	100.00%	3.05	100.00%
295.66	298.70	3.04	3.04	100.00%	3.04	100.00%
298.70	301.75	3.05	3.05	100.00%	3.05	100.00%
301.75	304.80	3.05	3.05	100.00%	2.95	96.72%
304.80	307.85	3.05	3.05	100.00%	3.05	100.00%
307.85	310.90	3.05	3.05	100.00%	2.50	81.97%
310.90	313.94	3.04	3.04	100.00%	2.80	92.11%
313.94	316.99	3.05	3.05	100.00%	2.45	80.33%
316.99	320.04	3.05	3.05	100.00%	3.05	100.00%
320.04	323.1	3.06	3.06	100.00%	2.2	71.90%
323.10	326.14	3.04	3.04	100.00%	3.04	100.00%
326.14	329.18	3.04	3.04	100.00%	2.75	90.46%
329.18	332.23	3.05	3.05	100.00%	2.44	80.00%
332.23	335.28	3.05	3.05	100.00%	3.05	100.00%
335.28	338.33	3.05	3.05	100.00%	2.75	90.16%
338.33	341.37	3.04	3.04	100.00%	2.65	87.17%
341.37	344.42	3.05	3.05	100.00%	2.8	91.80%
344.42	EOH			97.90%		66.06%

Hole No: TC93-12
Client:
Property: Tulsequah Chief
Claim:
Co-ords: N: 14721.08
(metres) E: 10346.26

Azimuth: 98.4
Dip: -48.5
Length (m): 335.28
Elevation: 274.92 (metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: Sept. 8, 1993
Completed: Sept. 12, 1993
Recovery:

Date Logged: Sept. 10 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 2:25pm

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	98.4	-48.5															

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	1.22	CASING										
1.22	5.32	CRUDELY BEDDED DACITE TUFF; (PROPYLITIC) Foliated and faintly layered, pale greyish green, propylitically (chlorite + epidote + calcite) altered, dacite ash tuff and lesser volcanic sediment. Foliation and layering @ 45° to CA. Lower contact sharp @ 70° to CA.										
5.32	6.03	BASALT DYKE; (PROPYLITIC) Massive, apple green, propylitically (calcite + epidote ± chorite) altered, fine grained to aphanitic mafic dyke. Lower contact sharp @ 70° to CA.										
6.03	12.19	CRUDELY BEDDED DACITE TUFF; (PROPYLITIC) Faintly layered and foliated, pale greyish green, propylitically (epidote + chlorite ± calcite) altered, dacite ash and fine lapilli (<1cm) tuff. Foliation and faint layering @ 70 - 90° to CA. Lower contact gradational over 1.0 metre.										
12.19	18.35	BASALT ASH TUFF; (CHLORITIZATION) Faintly foliated, dark green to black, chlorite ± calcite altered mafic ash and lapilli tuff, and lesser volcanic sediment. Foliation @ 75° to CA. Lower contact quartz filled shear (2cm) @ 75° to CA. Broken and fractured core throughout interval. Unit appears to mainly fine										

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

fragmental derived from underlying mafic volcanic rocks.
13.75 14.20 Thinly laminated (<5mm), propylitically (chlorite + epidote + calcite) altered dacite tuff and volcanic sediment. Laminations @ <10° to CA; foliation @ 90° to CA.

18.35 19.75 FELDSPAR PHYRIC BASALT FLOW; (PROPYLITIC)
Massive, medium to dark green, propylitically altered, feldspar (<3mm, subhedral to euhedral) mafic flow (or intrusion ?). Epidote occurs as selective alteration of feldspar phenocrysts and thin veinlets (<5mm). Interval is strongly magnetic.

19.75 20.35 FAULT
Silica + limonite (pyrite) filled fault breccia; breccia clasts are <1cm, angular and consist of altered mafic volcanic. Contacts @ 60° to CA.

20.35 60.80 BASALT LAPILLI TUFF - AMYGDALOIDAL; (PROPYLITIC)
Massive, medium and apple green, propylitically (epidote + calcite ± chlorite) altered, quartz ± chlorite amygdaloidal (<1cm, round), feldspar (<3mm, subhedral to euhdedral) and hornblende (<5mm, subhedral to euhedral) phyric mafic flow. Pervasive epidote alteration is best developed in brecciated intervals; breccia clasts are angular, <2cm, interlocking in part and homolithic--interpreted as flow breccias or hyaloclastites. Disseminated fine to medium grained pyrite (<1%). Lower contact sharp @ 80° to CA. @ 49.00 metres: Elongate quartz amygdules (<1cm) aligned @ 50° to CA.
22.50 22.90 Strongly silicified interval with silica + calcite + chlorite + pyrite (<2%) fractures.
24.85 25.20 Broken and fractured (limonite) core.
27.43 28.10 Broken and fractured (limonite) core.
34.80 35.00 Broken and fractured (limonite) core.
38.00 39.62 Broken and fractured (limonite, 60 - 80° to CA) core.

60.80 63.00 RHYOLITE INTRUSIVE;
Massive, grey, biotite (<2mm, in part epidote + chlorite altered) phyric, fine grained to aphanitic felsic intrusion. Chlorite ± epidote microfractures with silica envelopes (<1mm) throughout interval. Lower contact irregular. Age of unit uncertain; not typical of Sloko felsic intrusions.

63.00 83.35 BASALT LAPILLI TUFF - AMYGDALOIDAL; (PROPYLITIC)
Similar to 20.35 - 60.80 metres. Lower contact gradational over 20 cm. Pyrrhotite ± pyrite vein (<1cm) @ 85° to CA.
75.35 75.65 FAULT Broken and ground core (gravel size); limonite fractures @ 70° to CA.

83.35 92.70 FELDSPAR BEARING BASALT LAPILLI TUFF;
Massive, dark green to black, feldspar (<1mm, epidote altered) phyric,

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		fine grained to aphanitic, mafic lapilli tuff or breccia; clasts are <3cm diameter average, cuspate in outline, homolithic, interlocking and clast supported. Selective epidote ± hematite alteration of interclast material. Interval is interpretted as a hyaloclastite (aquagene tuff). Lower contact gradational with underlying flow.										
92.70	108.90	FELDSPAR BEARING BASALT ASH TUFF; Similar to 83.35 - 92.70 metres, however mainly ash tuff. Calcite + quartz amygdaloidal (<2mm, round) intervals appear to be large clasts (<20cm). Selective epidote alteration of feldspar phenocrysts. Rare layering @ 80° to CA. Lower contact gradational over 0.5 metres. 108.05 108.25 Broken and fractured (limonite, @ 70° to CA).										
108.90	112.60	BASALT LAPILLI TUFF; (SILICIFICATION) Massive, dark green, fine grained to aphanitic mafic lapilli tuff or breccia; clasts are <3cm diameter, cuspate, interlocking in part and silicified. Matrix between clasts is lighter grey and strongly silicified. Lower contact irregular.										
112.60	129.00	BASALT LAPILLI TUFF; (SILICIFICATION) (EPIDOTIZATION) Similar to 108.90 - 112.60 metres, however mottled greenish grey to pale pink epidote + silica ± hematite ± kfeldspar (?) alteration of clast and irregular zones (<20cm). Lower contact gradational over 1.0 metre.										
129.00	135.15	BASALT LAPILLI TUFF; (SILICIFICATION) Similar to 108.90 - 112.60 metres; clots and fine disseminations of hematite. Lower contact sharp @ 50° to CA.										
135.15	136.07	BASALT DYKE; Massive, dark green, fine grained to aphanitic mafic dyke. Lower contact sharp and irregular.										
136.07	163.25	BASALT LAPILLI TUFF; (SILICIFICATION) Similar to 108.90 - 112.60 metres; clots and fine disseminations of hematite.										
163.25	165.40	VOLCANIC SEDIMENTS; Massive, grey sericite altered volcanic sandstone. Disseminated fine grained pyrite (1-2%). Lower contact sharp @ 30° to CA.										
165.40	199.00	BASALT LAPILLI TUFF; (SILICIFICATION) Massive, dark green to black, fine grained to aphanitic mafic lapilli tuff (hyaloclastite). Lapilli are <2cm diameter average, cuspate, homolithic and mainly clast supported; matrix between clasts is greyish green in colour and silica altered. Quartz ± chlorite ± epidote ± garnet veins (<1cm, 1/50 cm, randomly orientated). Disseminated fine to medium grained pyrite (<1%) and dark brown sphalerite (trace). Lower contact										

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

gradational with bleached and altered volcanics related to fault zone.
193.00 199.00 Massive section of dark green to black, locally amygdaloidal (<1cm, elongate) mafic flow with some sections that are fragmental similar to the majority of interval. Stringers and disseminations of very fine grained pyrite (1-2%).

199.00 206.20 FAULT
Bleached, grey to buff, silica + clay + sericite altered, brecciated fine grained to aphanitic mafic volcanic with numerous clay gouge zones. Disseminated and stringer fine grained pyrite (1%) throughout interval. Lower contact gradational.
199.80 199.85 Clay gouge zone @ 80° to CA.
200.20 200.23 Clay gouge zone @ 80° to CA.
201.07 201.20 Broken core and minor clay gouge (<1cm) @ 50° to CA.
204.54 204.71 BASALT DYKE; Massive, weakly bleached, greyish green, augite (?, <2mm, subhedral, in part altered to chlorite) phyric mafic dyke. Upper and lower contacts sharp @ 80 and 60° respectively.
205.47 205.50 Clay gouge zone @ 80° to CA.

206.20 220.05 BASALT LAPILLI TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE)
Foliated, dark green to black, chlorite altered, fine grained to aphanitic, mafic fragmental with some massive intervals. Clasts (<3-10cm diameter) are mainly dark green to black, mafic volcanic (similar to interval above) and lesser quartz amygdaloidal (<5mm, round) mafic flow (similar to interval below). Minor epidote alteration of some intervals. Disseminated and stringer very fine grained pyrite (<5%) and trace chalcopyrite. Foliation @ 70° to CA (207.00 metres). Quartz + calcite veins (<1cm, mainly @ 50° to CA, 1/10cm average). Lower contact gradational over 20 cm.
212.50 212.60 Quartz ± calcite ± sphalerite ± pyrite vein (<3cm thick) @ 20° to CA.

220.05 238.87 BASALT LAPILLI TUFF - AMYGDALOIDAL; (CHLORITIZATION) (BIOTITIZATION) (STRINGER PYRITE)
Massive, dark greenish brown, chloritic, quartz amygdaloidal (<2cm diameter, 4mm average, 10% by volume, round to tube-like), fine grained to aphanitic mafic flow; interval overprinted by very fine grained metamorphic biotite. Disseminated and stringer (<4cm diameter, 1cm average), fine to medium grained pyrite (7-10%, in part replaced by pyrrhotite); stringer pyrite in a matrix of quartz ± chlorite. Lower contact sharp and irregular.
236.67 236.85 Quartz ± calcite.

238.87 244.95 BASALT DYKE; (BIOTITIZATION)
Massive, medium to dark green, pyroxene ? (<2mm, chlorite altered in

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

part) phyric, fine grained mafic dyke--post alteration and premetamorphic. Unit overprinted by very fine grained metamorphic biotite and actinolite (?). Lower contact sharp and irregular.

244.95 275.80 **BASALT LAPILLI TUFF - AMYGDALOIDAL; (CHLORITIZATION) (BIOTITIZATION) (STRINGER PYRITE)**
Similar to 220.05 - 238.87 metres, however some fragmental or brecciated intervals. Lower contact gradational over 1.0 metres.

275.80 294.80 **FELDSPAR BEARING BASALT LAPILLI TUFF; (CHLORITIZATION) (BIOTITIZATION) (DISSEMINATED PYRITE)**
Massive, dark greenish brown, chlorite altered, feldspar (<1mm average, euhedral) phyric, fine grained to aphanitic mafic lapilli tuff (hyaloclastite) and flow. Clasts are <2cm diameter average, cuspate in outline, interlocking and flow. Clasts are <2cm diameter average, cuspate in outline, interlocking in part, and matrix to clast supported; matrix is lighter grey in colour and silica altered. Fragmental or brecciated intervals grade into non-fragmental intervals. Fine grained metamorphic biotite gives interval a brown tinge overall. Disseminated and lesser stringer fine grained pyrite (2-3%). Gradational lower contact over 1.0 metres.
277.80 280.90 Quartz + calcite + chlorite + garnet ± epidote ± pyrrhotite vein (@ 0 - 10° to CA).

294.80 311.40 **FELDSPAR PHYRIC BASALT FLOW; (EPIDOTIZATION) (DISSEMINATED PYRITE)**
Massive, apple and dark green, epidote altered, feldspar (<2mm, euhedral, selectively epidote altered) phyric, amygdaloidal (quartz ± epidote ± pyrite, <5mm average, round), fine grained to aphanitic mafic flow; some non-phyric intervals may represent finer grained chilled flow margins. Vein types include (i) epidote ± pyrite veinlets (<2mm average, randomly orientated) and quartz veinlets (<4mm, @ 40° to CA). Disseminated fine grained pyrite (2-3%, rarely replaced by pyrrhotite). Lower contact gradational.
296.60 298.17 Finer grained, non-phyric, unaltered interval similar to main interval; irregular wavy contacts. Interval may represent syn-volcanic dyke.
299.95 301.20 **AMPHIBOLE-PHYRIC BASALT DYKE;** Massive, dark green to black, amphibole (<2mm, chlorite altered) phyric, fine grained mafic dyke. Upper contact sharp @ 75° to CA (chilled over 15cm); lower contact sharp @ 75° to CA.

311.40 335.28 **BASALT FLOW BRECCIA; (CHLORITIZATION) (BIOTITIZATION)**
Massive, dark green to black, chorite altered, feldspar (<2mm, sub-euhedral, selectively epidote altered) phyric in part, fine grained to aphanitic mafic flow breccia and minor interflow tuff. Breccia clasts are <30 cm diameter, subangular to subrounded, matrix supported, silica (white) altered, amygdaloidal (quartz, <5mm), feldspar phyric mafic

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		volcanic. Matrix is dark green to black and chlorite altered. Fine grained metamorphic biotite gives unit overall brown tinge. Disseminated fine grained pyrite (<3%).										
318.90	319.60	Chlorite sheared interval @ 50° to CA; minor gouge (<5mm) along some shears.										
322.38	323.55	Massive, brown biotite altered, amphibole (<3mm, subhedral) mafic dyke (?). Disseminated and stringer fine grained pyrite (5%). Upper and lower contacts sharp @ 70° to CA.										

Hole No: TC93-12
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14721.08
(metres) E: 10346.26

Azimuth: 98.4
Dip: -48.5
Length (m): 335.28
Elevation: 274.92
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: Sept. 8, 1993
Completed: Sept. 12, 1993
Recovery:

Date Logged: Sept. 10 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994
2:24pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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

NO SAMPLES

Hole No: TC93-12
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14721.08
(metres) E: 10346.26

Azimuth: 98.4
Dip: -48.5
Length (m): 335.28
Elevation: 274.92
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: Sept. 8, 1993
Completed: Sept. 12, 1993
Recovery:

Date Logged: Sept. 10 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994
2:23pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm

NO SAMPLES

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-12

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
1.22	3.05	1.83	1.50	81.97%	0.15	8.20%
3.05	6.10	3.05	2.93	96.07%	1.49	48.85%
6.10	9.14	3.04	3.04	100.00%	1.84	60.53%
9.14	12.19	3.05	3.03	99.34%	1.48	48.52%
12.19	15.24	3.05	2.99	98.03%	1.61	52.79%
15.24	18.29	3.05	2.87	94.10%	0.52	17.05%
18.29	21.34	3.05	2.98	97.70%	1.05	34.43%
21.34	24.39	3.05	2.90	95.08%	1.10	36.07%
24.39	27.43	3.04	3.04	100.00%	1.23	40.46%
27.43	30.48	3.05	2.90	95.08%	1.27	41.64%
30.48	33.53	3.05	3.05	100.00%	2.01	65.90%
33.53	36.58	3.05	2.89	94.75%	1.42	46.56%
36.58	39.63	3.05	2.63	86.23%	0.80	26.23%
39.63	42.67	3.04	3.04	100.00%	1.76	57.89%
42.67	45.72	3.05	3.05	100.00%	2.18	71.48%
45.72	48.77	3.05	3.05	100.00%	2.26	74.10%
48.77	51.82	3.05	3.05	100.00%	2.06	67.54%
51.82	54.86	3.04	3.04	100.00%	2.35	77.30%
54.86	57.91	3.05	3.05	100.00%	2.43	79.67%
57.91	60.96	3.05	3.05	100.00%	2.50	81.97%
60.96	64.01	3.05	3.05	100.00%	2.52	82.62%
64.01	67.06	3.05	3.05	100.00%	2.10	68.85%
67.06	70.10	3.04	3.03	99.67%	1.91	62.83%
70.10	73.15	3.05	3.00	98.36%	2.09	68.52%
73.15	76.20	3.05	3.05	100.00%	1.72	56.39%
76.20	79.25	3.05	3.05	100.00%	1.67	54.75%
79.25	82.30	3.05	3.05	100.00%	2.59	84.92%
82.30	85.34	3.04	3.02	99.34%	0.68	22.37%
85.34	88.39	3.05	3.05	100.00%	1.99	65.25%
88.39	91.44	3.05	3.05	100.00%	2.19	71.80%
91.44	94.49	3.05	3.05	100.00%	1.88	61.64%
94.49	97.54	3.05	3.00	98.36%	2.23	73.11%
97.54	100.58	3.04	3.04	100.00%	2.50	82.24%
100.58	103.62	3.04	2.96	97.37%	1.59	52.30%
103.62	106.68	3.06	2.95	96.41%	2.53	82.68%
106.68	109.73	3.05	2.89	94.75%	1.20	39.34%
109.73	112.78	3.05	3.05	100.00%	2.81	92.13%
112.78	115.82	3.04	3.04	100.00%	2.74	90.13%
115.82	118.87	3.05	3.05	100.00%	2.64	86.56%
118.87	121.92	3.05	3.05	100.00%	2.06	67.54%
121.92	124.97	3.05	3.05	100.00%	2.38	78.03%
124.97	128.02	3.05	3.05	100.00%	2.80	91.80%
128.02	131.06	3.04	3.04	100.00%	2.84	93.42%
131.06	134.11	3.05	3.05	100.00%	1.85	60.66%
134.11	137.16	3.05	3.05	100.00%	1.95	63.93%
137.16	140.21	3.05	3.05	100.00%	2.38	78.03%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-12

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
140.21	143.26	3.05	3.05	100.00%	2.67	87.54%
143.26	146.30	3.04	3.04	100.00%	2.38	78.29%
146.30	149.35	3.05	3.05	100.00%	2.27	74.43%
149.35	152.40	3.05	3.05	100.00%	2.50	81.97%
152.40	155.45	3.05	3.05	100.00%	2.31	75.74%
155.45	158.50	3.05	3.05	100.00%	2.63	86.23%
158.50	161.54	3.04	3.04	100.00%	3.04	100.00%
161.54	164.59	3.05	3.05	100.00%	2.30	75.41%
164.59	167.64	3.05	3.05	100.00%	3.00	98.36%
167.64	170.69	3.05	3.05	100.00%	3.05	100.00%
170.69	173.74	3.05	3.05	100.00%	3.00	98.36%
173.74	176.78	3.04	3.04	100.00%	3.04	100.00%
176.78	179.83	3.05	3.05	100.00%	3.05	100.00%
179.83	182.88	3.05	3.05	100.00%	3.05	100.00%
182.88	185.93	3.05	3.05	100.00%	3.05	100.00%
185.93	188.98	3.05	3.05	100.00%	2.95	96.72%
188.98	192.02	3.04	3.04	100.00%	3.04	100.00%
192.02	195.07	3.05	3.05	100.00%	3.05	100.00%
195.07	198.12	3.05	3.05	100.00%	2.95	96.72%
198.12	201.17	3.05	3.05	100.00%	1.50	49.18%
201.17	204.22	3.05	3.05	100.00%	2.75	90.16%
204.22	207.26	3.04	3.04	100.00%	2.69	88.49%
207.26	210.31	3.05	3.05	100.00%	2.95	96.72%
210.31	213.36	3.05	3.05	100.00%	2.36	77.38%
213.36	216.41	3.05	3.05	100.00%	2.80	91.80%
216.41	219.46	3.05	3.05	100.00%	2.95	96.72%
219.46	222.50	3.04	3.04	100.00%	2.85	93.75%
222.50	225.55	3.05	3.05	100.00%	3.05	100.00%
225.55	228.62	3.07	3.07	100.00%	3.07	100.00%
228.62	231.65	3.03	3.03	100.00%	2.95	97.36%
231.65	234.70	3.05	3.05	100.00%	3.05	100.00%
234.70	237.74	3.04	3.04	100.00%	3.04	100.00%
237.74	240.79	3.05	3.05	100.00%	3.05	100.00%
240.79	243.84	3.05	3.05	100.00%	3.05	100.00%
243.84	246.89	3.05	3.05	100.00%	2.90	95.08%
246.89	249.94	3.05	3.05	100.00%	2.85	93.44%
249.94	252.98	3.04	3.04	100.00%	3.04	100.00%
252.98	256.03	3.05	3.05	100.00%	3.05	100.00%
256.03	259.08	3.05	3.05	100.00%	2.85	93.44%
259.08	262.13	3.05	3.05	100.00%	3.00	98.36%
262.13	265.18	3.05	3.05	100.00%	3.05	100.00%
265.18	268.22	3.04	3.04	100.00%	3.04	100.00%
268.22	271.27	3.05	3.05	100.00%	3.05	100.00%
271.27	274.32	3.05	3.05	100.00%	1.45	47.54%
274.32	277.37	3.05	3.05	100.00%	3.01	98.69%
277.37	280.42	3.05	3.05	100.00%	2.26	74.10%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-12

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
280.42	283.46	3.04	3.04	100.00%	2.63	86.51%
283.46	286.51	3.05	3.05	100.00%	3.04	99.67%
286.51	289.56	3.05	3.05	100.00%	2.86	93.77%
289.56	292.61	3.05	3.05	100.00%	2.59	84.92%
292.61	295.65	3.04	3.04	100.00%	2.87	94.41%
295.65	298.70	3.05	3.05	100.00%	2.75	90.16%
298.70	301.75	3.05	3.04	99.67%	2.39	78.36%
301.75	304.80	3.05	3.04	99.67%	2.88	94.43%
304.80	307.85	3.05	3.03	99.34%	2.70	88.52%
307.85	310.90	3.05	3.03	99.34%	2.55	83.61%
310.90	313.94	3.04	3.01	99.01%	2.71	89.14%
313.94	316.99	3.05	3.05	100.00%	2.81	92.13%
316.99	320.04	3.05	3.05	100.00%	2.36	77.38%
320.04	323.09	3.05	3.05	100.00%	2.59	84.92%
323.09	326.14	3.05	3.05	100.00%	2.66	87.21%
326.14	329.18	3.04	3.04	100.00%	2.98	98.03%
329.18	332.23	3.05	3.05	100.00%	2.55	83.61%
332.23	335.28	3.05	3.05	100.00%	2.72	89.18%
335.28	EOH			99.33%		79.32%

Hole No: TC93-13
Client:
Property: Tulsequah Chief
Claim:
Co-ords: N: 14658.27
(metres) E: 9922.13

Azimuth: 193.1
Dip: -44.7
Length (m): 154.84
Elevation (metres): 54.71
Purpose:

Core Size: NQ
Drill Name: Longyear 38
Contractor: Arctic Diamond Drilling Ltd.
Started: Sept. 9, 1993
Completed: Sept. 13, 1993
Recovery:

Date Logged: Sept. 9 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 2:22pm

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	193.1	-44.7															
3.0	193.1	-43.9	30.5	192.4	-43.5	57.9	192.3	-43.4	85.3	192.4	-43.0	112.8	192.3	-42.8	140.2	192.4	-42.5
6.1	192.7	-43.5	33.5	192.4	-43.5	61.0	192.3	-43.4	88.4	192.6	-42.9	115.8	192.3	-42.8	143.3	192.4	-42.6
9.1	192.7	-43.5	36.6	192.4	-43.5	64.0	192.4	-43.3	91.4	192.6	-42.9	118.9	192.3	-42.8	146.3	192.3	-42.5
12.2	192.7	-43.5	39.6	192.4	-43.5	67.1	192.3	-43.4	94.5	192.4	-42.8	121.9	192.3	-42.7	149.4	192.3	-42.5
15.2	192.6	-43.5	42.7	192.4	-43.5	70.1	192.4	-43.3	97.5	192.4	-42.8	125.0	192.4	-42.6	152.4	192.4	-42.5
18.3	192.6	-43.6	45.7	192.4	-43.5	73.2	192.4	-43.3	100.6	192.4	-42.7	128.0	192.4	-42.6			
21.3	192.4	-43.5	48.8	192.4	-43.5	76.2	192.4	-43.2	103.6	192.4	-42.7	131.1	192.4	-42.6			
24.4	192.4	-43.5	51.8	192.4	-43.5	79.3	192.4	-43.2	106.7	192.4	-42.7	134.1	192.4	-42.6			
27.4	192.4	-43.5	54.9	192.3	-43.4	82.3	192.6	-43.1	109.7	192.4	-42.7	137.2	192.4	-42.6			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	21.95	CASING										
21.95	35.95	FELDSPAR PHYRIC DACITE UNDIFFERENTIATED; (SILICIFICATION) (STRINGER PYRITE) Faintly layered, light to dark grey, strongly silicified (pervasive), feldspar (relict crystals <2mm, sub - euhedral) phyric, fine grained to aphanitic, undifferentiated dacite. Faint layering defined by wispy clasts or layers @ 50° to CA. Disseminated very fine grained white mineral--leucoxene (?). Stringer (<1cm, 1/1metre) and clots (<2cm) of fine grained pyrite (3%) and tan sphalerite (<1%). Limonite fractures (1/50cm, @ 40° to CA). Lower contact sharp @ 50° to CA.	68778 68779 68780 68781 68782 68783 68784	21.95 23.95 25.95 27.95 29.95 31.95 33.95	23.95 25.95 27.95 29.95 31.95 33.95 35.95	2.00 2.00 2.00 2.00 2.00 2.00 2.00						
35.95	50.45	DACITE LAPILLI TUFF; (SILICIFICATION) Faintly layered, light to dark grey, pervasive silica ± sericite altered, heterolithic, dacite lapilli tuff. Lapilli are <4cm diameter average, angular (cuspate) to subrounded and mainly clast supported; clasts are mainly felsic in composition, and include (i) olive grey, sericite	68785 68786 68787 68788	35.95 37.95 39.95 41.95	37.95 39.95 41.95 43.95	2.00 2.00 2.00 2.00						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		altered mafic (?) glass shards (cuspate), (ii) white feldspar + quartz phyric dacite (subrounded), (iii) white silicified volcanic/cherty clasts, (iv) quartz amygdaloidal mafic volcanic (scoriaceous) and (v) flow banded dacite or rhyolite. Unit may represent mass flow deposit. Disseminated fine grained pyrite (3%) and minor tan to brown sphalerite (<1%). Layering @ 60° to CA. Lower contact broken and sheared core @ 40° to CA. 36.65 37.00 Limonite fractured and broken core. 39.30 41.91 Limonite fracture @ 0 - 10° to CA.	68789 68790 68791 68792	43.95 45.95 47.95 49.95	45.95 47.95 49.95 50.45	2.00 2.00 2.00 .50						
50.45	54.75	DACITE LAPILLI TUFF; (SERICITIZATION) Similar to 36.15 - 50.45 metres, however unit is pervasively sericite ± silica altered (pale greenish grey colour). Lower contact @ 60° to CA.	68793 68794	50.45 52.45	52.45 54.75	2.00 2.30						
54.75	57.60	DACITE LAPILLI TUFF; (SILICIFICATION) Similar to 36.15 - 50.45 metres. Lower contact with Sloko rhyolite dyke not observed; ground and missing core.	68795 68796	54.75 56.75	56.75 57.60	2.00 .85						
57.60	62.94	SLOKO RHYOLITE DYKE; Massive, pale greenish grey, feldspar (<2mm relict euhedral crystals) phyric, aphanitic felsic dyke. Lower contact fault brecciated over 30 cm (silica healed); fault contact @ 45° to CA. 57.60 59.30 Limonite fractured and broken core; some ground core. 60.15 60.45 Limonite fractured and broken core; some ground core.										
62.94	63.57	FAULT Chief Fault Zone: grey, pyritic fault breccia; clay gouge (10cm) with siliceous brecciated clasts (<5mm). Fault zone @ 40 - 50° to CA.										
63.57	77.35	BASALT DYKE; Massive, medium to dark green, fine grained to aphanitic, mafic dyke. Numerous quartz + calcite ± chlorite filled extensional fractures (<1cm, randomly orientated, 1/5cm) throughout interval. Lower contact sharp and irregular. 63.57 68.00 Sheared mafic dyke filled with quartz ± calcite ± fuchite; shearing @ 40° to CA. Broken and ground core from 64.65 - 65.50 metres, minor gouge.	68797 68798 68799	63.57 65.57 67.57	65.57 67.57 68.00	2.00 2.00 .43						
77.35	87.50	DACITE UNDIFFERENTIATED; (SILICIFICATION) Massive, greenish grey, silica ± sericite altered, feldspar (relict <2mm subhedral) phyric in part, fine grained to aphanitic dacite; interval appears to be a fragmental of uncertain origin. Minor disseminated fine grained pyrite (<1%). Lower contact sharp @ 30° to CA. 79.20 79.40 Broken and fractured (chlorite, <30° to CA) core. 80.15 81.20 Broken and fractured core (limonite, mainly @ 10° to CA). 81.30 83.60 Broken and fractured (chlorite, <30° to CA) core.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
87.50	87.85	SLOKO RHYOLITE DYKE; Flow banded, pale greenish grey to white, fine grained to aphanitic felsic dyke. Flow banding @ 30° to CA. Lower contact sharp @ 30° to CA.										
87.85	102.20	VOLCANIC SEDIMENTS; Foliated, greenish grey to dark green, mixed interval of felsic to mafic tuffaceous sediments; interval is silica + carbonate + chlorite ± fuchite ± biotite altered. Foliation is well developed @ 40 - 50° to CA. Carbonate bands or beds (≈30cm) increase towards bottom of interval. Disseminated and minor stringer fine grained pyrite (2%). 92.10 96.70 Broken and fractured (limonite, mainly @ 10° to CA). 97.40 97.60 Foliated white carbonate (marble) band @ 30° to CA. 98.80 99.12 Foliated white carbonate band @ 30° to CA. 100.00 100.27 Broken and fractured (limonite, @ low angles to CA) core. 100.45 100.80 Foliated carbonate (marble) band or block; foliation @ 0-30° to CA. Upper contact @ 40° to CA; lower contact @ 25° to CA. 101.80 102.20 Foliated carbonate (marble) band @ 50° to CA; two silica altered or chert laminae (1cm) near bottom of interval.										
102.20	118.25	VOLCANIC SEDIMENTS; (CHLORITIZATION) (CARBONATE ALTERED) Foliated, mixed interval of dark green to black, chloritic, mafic ± felsic tuffaceous sediments (60%) and wispy, boudinaged (<1cm) to brecciated, white carbonate (40%) or marble; some siliceous or cherty intervals. 116.80 117.20 Foliated, white carbonate (marble) band @ 35° to CA; upper and lower contacts parallel to foliation. 117.80 118.25 Foliated, white marble (limestone) band @ 35° to CA; upper and lower contacts parallel to foliation.										
118.25	130.20	VOLCANIC SEDIMENTS; (CHLORITIZATION) (CARBONATE ALTERED) Similar to 102.20 - 118.25 metres, however carbonate component decreased to approximately 10 -20%. Foliation @ 50° to CA.										
130.20	151.75	VOLCANIC SEDIMENTS; (CHLORITIZATION) Foliated, mixed interval of white to tan marble breccia (30%) in a dark green chloritic mafic tuffaceous sediment matrix (70%, argillite to sandstone). Marble breccia clasts are <40cm diameter, 5cm diameter average, angular to subrounded, aligned parallel to foliation, in part boudinaged, and matrix to clast supported. Foliation @ 40° to CA. Lower contact @ 45° to CA. 135.00 139.00 Core strongly broken and fractured (low angles to CA) throughout interval.										
151.75	154.84	SLOKO RHYOLITE DYKE; Flowbanded, pale greenish grey, fine grained to aphanitic, felsic dyke; flow banding @ 35° to CA.										

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

Hole No: TC93-13
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14658.27
(metres) E: 9922.13

Azimuth: 193.1
Dip: -44.7
Length (m): 154.84
Elevation: 54.71
(metres)
Purpose:

Core Size: NQ
Drill Name: Longyear 38
Contractor: Arctic Diamond Drilling Ltd.
Started: Sept. 9, 1993
Completed: Sept. 13, 1993
Recovery:

Date Logged: Sept. 9 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 2:22pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68778	21.95	23.95	2.00								5	.1	14	9	19	2.59	5	0	4	69
68779	23.95	25.95	2.00								4	.1	18	7	32	2.64	7	0	5	63
68780	25.95	27.95	2.00								4	.1	18	7	55	2.07	6	0	7	67
68781	27.95	29.95	2.00								4	.1	15	7	87	1.68	4	0	8	57
68782	29.95	31.95	2.00								5	.1	11	7	28	1.64	4	0	6	62
68783	31.95	33.95	2.00								4	.2	17	11	26	2.18	4	0	9	65
68784	33.95	35.95	2.00								3	.1	15	11	18	2.94	6	0	10	57
68785	35.95	37.95	2.00								13	.2	28	23	69	3.36	13	0	19	60
68786	37.95	39.95	2.00								11	.1	32	11	64	2.61	12	0	16	63
68787	39.95	41.95	2.00								3	.1	13	10	99	2.23	20	0	6	60
68788	41.95	43.95	2.00								3	.1	12	9	431	2.13	6	1	5	59
68789	43.95	45.95	2.00								2	.1	11	6	24	1.90	16	0	5	54
68790	45.95	47.95	2.00								3	.1	10	8	25	2.55	9	0	4	60
68791	47.95	49.95	2.00								4	.1	13	8	19	2.41	8	0	5	68
68792	49.95	50.45	.50								6	.1	11	6	33	2.58	26	0	8	59
68793	50.45	52.45	2.00								3	.1	12	7	49	3.04	19	0	7	62
68794	52.45	54.75	2.30								2	.1	30	7	124	3.01	12	0	11	67
68795	54.75	56.75	2.00								6	.1	140	8	384	2.72	21	1	72	61
68796	56.75	57.60	.85								5	.1	13	17	47	2.12	16	0	4	55
68797	63.57	65.57	2.00								32	.7	52	15	61	3.34	211	1	29	119
68798	65.57	67.57	2.00								7	.1	83	3	66	4.84	237	0	40	68
68799	67.57	68.00	.43								5	.1	87	2	74	6.04	44	0	4	41

Hole No: TC93-13
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14658.27
(metres) E: 9922.13

Azimuth: 193.1
Dip: -44.7
Length (m): 154.84
Elevation: 54.71
(metres)
Purpose:

Core Size: NQ
Drill Name: Longyear 38
Contractor: Arctic Diamond Drilling Ltd.
Started: Sept. 9, 1993
Completed: Sept. 13, 1993
Recovery:

Date Logged: Sept. 9 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 2:20pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68778	21.95	23.95	2.00	3	5	5	112	5	2	20	2	3	.21	6	18	.11	.01	3	1
68779	23.95	25.95	2.00	2	3	5	141	5	2	22	2	2	.24	5	4	.15	.01	3	1
68780	25.95	27.95	2.00	2	3	4	118	5	2	17	2	2	.20	4	3	.12	.01	3	1
68781	27.95	29.95	2.00	3	5	4	116	5	2	43	2	2	.54	3	16	.19	.01	3	1
68782	29.95	31.95	2.00	2	4	4	181	5	2	51	2	2	.57	5	4	.24	.01	4	1
68783	31.95	33.95	2.00	2	3	5	112	5	2	28	2	2	.38	4	4	.14	.01	3	1
68784	33.95	35.95	2.00	2	3	7	187	5	2	63	2	2	.71	2	12	.41	.01	4	1
68785	35.95	37.95	2.00	3	4	6	118	5	2	11	2	2	.14	4	4	.19	.01	2	1
68786	37.95	39.95	2.00	2	4	5	138	5	2	19	2	2	.19	4	4	.14	.01	3	1
68787	39.95	41.95	2.00	4	5	3	161	5	2	13	2	2	.12	6	21	.05	.01	3	1
68788	41.95	43.95	2.00	2	3	3	186	5	2	53	2	2	.40	6	5	.41	.01	2	1
68789	43.95	45.95	2.00	3	5	3	144	5	2	29	2	2	.34	5	6	.17	.01	2	1
68790	45.95	47.95	2.00	3	5	5	242	5	2	46	2	2	.42	4	16	.43	.01	3	1
68791	47.95	49.95	2.00	2	5	5	210	5	2	40	2	2	.39	6	5	.25	.01	3	1
68792	49.95	50.45	.50	2	5	7	181	5	2	47	2	2	.41	3	5	.15	.01	3	1
68793	50.45	52.45	2.00	3	6	6	207	5	2	54	2	2	.43	3	16	.22	.01	3	1
68794	52.45	54.75	2.30	2	3	5	199	5	2	45	2	2	.43	4	4	.20	.01	3	1
68795	54.75	56.75	2.00	2	4	4	214	5	2	62	2	2	.57	4	4	.19	.01	3	1
68796	56.75	57.60	.85	4	6	3	134	5	2	23	2	2	.22	7	21	.06	.01	4	1
68797	63.57	65.57	2.00	1	209	27	954	5	3	404	2	35	4.65	2	59	2.94	.01	2	1
68798	65.57	67.57	2.00	1	334	41	1015	5	2	421	2	77	7.01	2	229	5.39	.01	4	1
68799	67.57	68.00	.43	1	62	34	1203	5	2	194	2	165	4.72	2	94	4.30	.01	2	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-13

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
0.00	21.95	21.95	0.00	0.00%	0.00	0.00%
21.95	25.30	3.35	3.35	100.00%	2.60	77.61%
25.30	27.43	2.13	1.80	84.51%	1.30	61.03%
27.43	30.48	3.05	3.05	100.00%	2.90	95.08%
30.48	33.68	3.20	3.20	100.00%	3.10	96.88%
33.68	35.05	1.37	1.17	85.40%	0.91	66.42%
35.05	37.64	2.59	2.59	100.00%	1.60	61.78%
37.64	39.93	2.29	2.29	100.00%	1.20	52.40%
39.93	41.91	1.98	1.98	100.00%	0.55	27.78%
41.91	44.81	2.90	2.90	100.00%	2.50	86.21%
44.81	47.85	3.04	3.04	100.00%	2.95	97.04%
47.85	50.75	2.90	2.90	100.00%	2.50	86.21%
50.75	53.95	3.20	3.20	100.00%	2.70	84.37%
53.95	56.84	2.89	2.89	100.00%	2.70	93.43%
56.84	58.83	1.99	1.00	50.25%	0.36	18.09%
58.83	60.04	1.21	1.00	82.64%	0.40	33.06%
60.04	62.94	2.90	1.12	38.62%	0.24	8.28%
62.94	64.01	1.07	1.07	100.00%	0.44	41.12%
64.01	66.14	2.13	1.94	91.08%	0.00	0.00%
66.14	67.98	1.84	1.84	100.00%	0.57	30.98%
67.98	69.19	1.21	1.21	100.00%	0.65	53.72%
69.19	71.93	2.74	2.74	100.00%	1.27	46.35%
71.93	73.30	1.37	1.37	100.00%	0.61	44.53%
73.30	75.89	2.59	2.59	100.00%	1.77	68.34%
75.89	78.03	2.14	2.14	100.00%	1.04	48.60%
78.03	79.55	1.52	1.52	100.00%	0.25	16.45%
79.55	82.30	2.75	2.75	100.00%	0.70	25.45%
82.30	85.34	3.04	3.04	100.00%	1.51	49.67%
85.34	88.39	3.05	3.05	100.00%	2.14	70.16%
88.39	90.83	2.44	2.44	100.00%	0.71	29.10%
90.83	92.81	1.98	1.98	100.00%	0.53	26.77%
92.81	94.18	1.37	1.37	100.00%	0.15	10.95%
94.18	95.86	1.68	1.68	100.00%	0.00	0.00%
95.86	96.32	0.46	0.30	65.22%	0.00	0.00%
96.32	100.27	3.95	3.79	95.95%	1.15	29.11%
100.27	102.67	2.40	2.40	100.00%	1.10	45.83%
102.67	105.00	2.33	2.18	93.56%	1.20	51.50%
105.00	106.38	1.38	1.13	81.88%	0.00	0.00%
106.38	107.29	0.91	0.87	95.60%	0.00	0.00%
107.29	108.81	1.52	1.51	99.34%	0.68	44.74%
108.81	111.86	3.05	3.05	100.00%	2.51	82.30%
111.86	114.60	2.74	2.74	100.00%	1.84	67.15%
114.60	116.28	1.68	1.68	100.00%	0.77	45.83%
116.28	118.87	2.59	2.59	100.00%	1.89	72.97%
118.87	121.62	2.75	2.75	100.00%	1.59	57.82%
121.62	124.66	3.04	3.04	100.00%	2.24	73.68%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-13

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
124.66	125.58	0.92	0.92	100.00%	0.30	32.61%
125.58	128.32	2.74	2.74	100.00%	0.77	28.10%
128.32	131.06	2.74	2.74	100.00%	1.43	52.19%
131.06	132.89	1.83	1.83	100.00%	0.79	43.17%
132.89	135.18	2.29	2.29	100.00%	0.71	31.00%
135.18	137.01	1.83	1.83	100.00%	0.00	0.00%
137.01	138.68	1.67	1.67	100.00%	0.00	0.00%
138.68	139.29	0.61	0.61	100.00%	0.11	18.03%
139.29	142.34	3.05	3.05	100.00%	1.76	57.70%
142.34	143.87	1.53	1.53	100.00%	0.57	37.25%
143.87	146.91	3.04	3.04	100.00%	1.27	41.78%
146.91	149.96	3.05	3.05	100.00%	1.98	64.92%
149.96	152.10	2.14	2.14	100.00%	1.27	59.35%
152.10	153.01	0.91	0.91	100.00%	0.46	50.55%
153.01	154.23	1.22	1.22	100.00%	0.00	0.00%
154.23	154.83	0.60	0.60	100.00%	0.00	0.00%
154.83	EOH			82.94%		43.43%

Hole No: TC93-14
Client:
Property: Tulsequah Chief
Claim:
Co-ords: N: 14944.92
(metres) E: 10697.25

Azimuth: 173.9
Dip: -44.5
Length (m): 198.12
Elevation: 367.51
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started: Sept. 13, 1993
Completed: Sept. 14, 1993
Recovery:

Date Logged: Sept. 14 - 15, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994
2:49pm

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	173.9	-44.5															

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	2.00	CASING										
2.00	9.95	BASALT LAPILLI TUFF; (SILICIFICATION) (CHLORITIZATION) (STRINGER PYRITE) Faintly foliated, medium to dark green, silica + chlorite altered, homolithic mafic lapilli tuff. Clasts are 1-2cm diameter average, angular (cuspate), interlocking in part, matrix supported, and dark green chlorite altered mafic volcanic; matrix is lighter green, silica ± pyrite altered. Interval is interpreted to be hyaloclastic in origin. Foliation @ 30 - 40° to CA. Stringer and disseminated fine grained pyrite (1-3%). Limonite fractures (randomly oriented, 1/10cm) throughout interval. Lower contact sharp and irregular.										
9.95	13.45	BASALT ASH TUFF; (CHLORITIZATION) (SERICITIZATION) Faintly foliated, medium to dark green, chlorite + sericite altered mafic ash tuff; wispy, sericite altered glass shards ? (2-4mm) throughout interval. Foliation and alignment of glass shards @ 40° to CA. Disseminated fine grained pyrite (1-2%). Lower contact sharp @ 45° to CA.										
13.45	15.90	BASALT LAPILLI TUFF; (SILICIFICATION) (CHLORITIZATION) (DISSEMINATED PYRITE) Similar to 2.00 - 9.95 metres. Lower contact broken core.										
15.90	19.75	BASALT FLOW; (SILICIFICATION) (CHLORITIZATION) (DISSEMINATED PYRITE) Massive, medium green, silica altered, fine grained to aphanitic mafic										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		flow (?). Disseminated and stringer (<1mm) fine grained pyrite (1-3%). Chlorite ± pyrite microfractures (<1mm, randomly oriented, 1/2 cm) throughout interval. Lower contact sharp and irregular.										
19.75	20.80	BASALT LAPILLI TUFF; (SILICIFICATION) (DISSEMINATED PYRITE) Massive, medium green and white, silica altered, fg mafic lapilli tuff; interval is interpreted to be hyaloclastite in origin. Clasts are <1cm diameter average, angular (cuspate), interlocking in part, homolithic and clast to matrix supported; matrix is white, silica altered fine ash (?). Disseminated fine grained pyrite (1%) in clasts and matrix. Lower contact @ 45° to CA.										
20.80	21.88	BASALT FLOW; (SILICIFICATION) (CHLORITIZATION) Similar to 15.90 - 19.75 metres; non-fragmented equivalent of 19.75 - 20.80 metres. Lower contact sharp @ 55° to CA.										
21.88	24.70	BASALT LAPILLI TUFF; (SILICIFICATION) (DISSEMINATED PYRITE) Similar to 19.75 - 20.80 metres. Disseminated and stringer fine grained pyrite (1-2%). Lower contact sharp @ 80° to CA.										
24.70	25.60	BASALT FLOW; (CHLORITIZATION) (DISSEMINATED PYRITE) Similar to 15.90 - 19.75 metres. Disseminated and stringer very fine grained pyrite (1-2%). Lower contact irregular @ 35° to CA.										
25.60	51.00	BASALT LAPILLI TUFF; (SILICIFICATION) (DISSEMINATED PYRITE) Similar to 19.75 - 20.80 metres. Disseminated fine grained pyrite (1-3%). Gradational lower contact over 1.0 metres.										
51.00	69.45	BASALT ASH TUFF; (DISSEMINATED PYRITE) Massive, medium green, fg mafic ash tuff, some large clasts or thin flows of amygdaloidal (<1cm, round, filled by quartz ± pyrite) mafic flow. Disseminated and stringer fine to medium grained pyrite (3-5%). Quartz veins (<2cm, 1cm average, 1/20cm, 60 - 80° to CA) throughout interval. Lower contact sheared @ 30° to CA; infilled by calcite + quartz + chalcopyrite + pyrite vein (<1cm). 53.00 57.00 Amygdaloidal interval. 59.95 62.68 Amygdaloidal interval; upper contact sharp @ 80° to CA, lower contact sharp @ 45° to CA.										
69.45	132.20	BASALT LAPILLI TUFF - AMYGDALOIDAL; (CHLORITIZATION) (EPIDOTIZATION) (DISSEMINATED PYRITE) Massive, medium to dark green, chlorite + epidote altered, amygdaloidal (<2 cm diameter, 5mm average, round to irregular shapes, filled with quartz ± epidote ± pyrite) mafic flow; some brecciated and rare tuffaceous intervals separating individual flows. Disseminated and stringer fine to coarse grained pyrite (3-5%); minor chalcopyrite (<<1%) infilling some vesicles near top of interval. Rare quartz veins (<1cm,	68718	69.45	71.45	2.00						
			68719	71.45	73.45	2.00						
			68720	73.45	75.45	2.00						
			68721	75.45	77.45	2.00						
			68722	77.45	79.45	2.00						
			68723	79.45	81.45	2.00						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		1/1m). Lower contact irregular.	68724	81.45	83.45	2.00						
			68725	83.45	85.45	2.00						
132.20	133.10	BASALT DYKE; (CHLORITIZATION) (DISSEMINATED PYRITE) Massive, dark green, chloritic (weak), fine grained mafic intrusion. Disseminated fine grained pyrite (2-3%). Lower contact infilled by quartz + chlorite vein (1cm) @ 50° to CA.										
133.10	187.00	AMYGDALOIDAL BASALT FRAGMENTAL; (CHLORITIZATION) (EPIDOTIZATION) (DISSEMINATED PYRITE) Massive, medium to dark green, chlorite + epidote + silica altered, amygdaloidal (<1cm diameter, 5mm average, round to irregular shapes, filled with quartz ± epidote ± pyrite) mafic lapilli tuff; similar to 69.45 - 132.20 metres, but mainly fragmental. Lapilli clasts vary from <2cm to >10cm in diameter; matrix is often chlorite altered and less amygdaloidal. Disseminated and stringer fine to medium grained pyrite (5-7%). From approximately 158.00 to 187.00 metres breccia clasts are selectively silica ± epidote (white to apple green) altered. Chlorite ± calcite ± epidote ± magnetite veins (<4cm, high angle to core, 1/2 metres). Lower contact sharp and very irregular. 155.70 155.80 FAULT Chlorite + calcite filled shear; minor gouge (5cm) @ 75° to CA. 178.35 178.45 BASALT DYKE; Massive, medium green, fine grained to aphanitic mafic dyke. Upper and lower contacts sharp @ 70° to CA. 183.85 183.95 FAULT Quartz + calcite filled shear, minor gouge (<1cm) @ 70° to CA.	68726	158.00	160.00	2.00						
			68727	160.00	162.00	2.00						
			68728	162.00	164.00	2.00						
			68729	164.00	166.00	2.00						
			68730	166.00	168.00	2.00						
			68731	168.00	170.00	2.00						
187.00	188.48	BASALT DYKE; (DISSEMINATED PYRITE) Massive, medium green, fine grained mafic dyke (synvolcanic intrusion). Disseminated and stringer fine to medium grained pyrite (5-7%). Upper contact is irregular and wavy (peperitic). Lower contact flow banded @ 45° to CA.										
188.48	198.12	AMYGDALOIDAL BASALT FRAGMENTAL; (CHLORITIZATION) (EPIDOTIZATION) (DISSEMINATED PYRITE) Similar to 133.10 - 187.00 metres; clasts are silicified. 197.40 198.12 Similar to main interval, however no silicified clasts.										
198.12		EOH										

Hole No: TC93-14
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14944.92
(metres) E: 10697.25

Azimuth: 173.9
Dip: -44.5
Length (m): 198.12
Elevation: 367.51
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started: Sept. 13, 1993
Completed: Sept. 14, 1993
Recovery:

Date Logged: Sept. 14 - 15, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994 2:48pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68718	69.45	71.45	2.00								13	.3	1122	12	105	6.07	23	0	3	55
68719	71.45	73.45	2.00								8	.1	285	8	75	6.54	22	0	2	27
68720	73.45	75.45	2.00								6	.1	936	2	78	6.17	14	0	2	47
68721	75.45	77.45	2.00								7	.3	1567	2	72	6.10	13	0	2	37
68722	77.45	79.45	2.00								11	.1	426	2	62	5.74	21	0	2	38
68723	79.45	81.45	2.00								8	.2	561	2	69	5.52	17	0	2	49
68724	81.45	83.45	2.00								4	.1	474	2	68	5.86	13	0	2	39
68725	83.45	85.45	2.00								4	.1	326	2	63	5.17	10	0	2	54
68726	158.00	160.00	2.00								5	.1	22	7	57	6.32	20	0	2	38
68727	160.00	162.00	2.00								7	.1	11	3	52	6.23	19	0	3	23
68728	162.00	164.00	2.00								7	.1	12	6	51	6.72	39	0	2	22
68729	164.00	166.00	2.00								9	.1	10	6	59	7.73	24	0	2	21
68730	166.00	168.00	2.00								18	.1	8	2	57	10.75	34	0	2	24
68731	168.00	170.00	2.00								10	.1	7	2	68	9.02	30	0	2	23

Hole No: TC93-14
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 14944.92
(metres) E: 10697.25

Azimuth: 173.9
Dip: -44.5
Length (m): 198.12
Elevation: 367.51
(metres)
Purpose:

Core Size: BQ
Drill Name: Hagby
Contractor: F. Boisvenu Drilling Ltd.
Started: Sept. 13, 1993
Completed: Sept. 14, 1993
Recovery:

Date Logged: Sept. 14 - 15, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 15 Apr, 1994
2:47pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68718	69.45	71.45	2.00	1	6	20	952	5	2	17	2	80	.51	2	9	2.68	.11	2	1
68719	71.45	73.45	2.00	1	4	20	1002	5	2	18	2	82	.58	2	8	2.43	.14	2	1
68720	73.45	75.45	2.00	1	7	19	1174	5	2	24	2	103	.67	2	12	2.86	.15	2	2
68721	75.45	77.45	2.00	1	5	19	1016	5	2	20	2	78	.53	2	8	2.74	.15	2	1
68722	77.45	79.45	2.00	1	5	20	910	5	2	18	2	76	.51	2	8	2.44	.14	2	1
68723	79.45	81.45	2.00	1	7	17	989	5	2	23	2	79	.55	2	13	2.65	.13	2	2
68724	81.45	83.45	2.00	1	6	19	1125	5	2	28	2	79	.60	2	10	2.70	.13	2	1
68725	83.45	85.45	2.00	1	5	17	1332	5	2	29	2	71	1.07	2	9	2.40	.07	2	2
68726	158.00	160.00	2.00	1	10	19	900	5	2	38	2	90	1.04	2	13	2.60	.13	2	2
68727	160.00	162.00	2.00	1	9	20	702	5	2	33	2	74	.66	2	11	2.39	.15	2	2
68728	162.00	164.00	2.00	1	10	23	696	5	2	31	2	74	.65	2	10	2.39	.14	2	1
68729	164.00	166.00	2.00	1	9	21	1034	5	2	29	2	89	.79	2	17	2.97	.11	2	1
68730	166.00	168.00	2.00	1	9	40	966	5	2	25	2	104	.64	2	13	3.31	.14	2	2
68731	168.00	170.00	2.00	1	9	31	1133	5	2	30	6	110	.68	2	13	3.70	.13	2	2

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-14

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
0.00	4.57	4.57	2.74	59.96%	1.37	29.98%
4.57	9.14	4.57	4.57	100.00%	2.65	57.99%
9.14	12.19	3.05	3.05	100.00%	1.11	36.39%
12.19	15.24	3.05	2.99	98.03%	2.11	69.18%
15.24	18.29	3.05	2.98	97.70%	1.54	50.49%
18.29	21.34	3.05	3.05	100.00%	2.00	65.57%
21.34	24.38	3.04	2.98	98.03%	2.52	82.89%
24.38	27.43	3.05	3.05	100.00%	1.75	57.38%
27.43	30.48	3.05	3.02	99.02%	2.44	80.00%
30.48	33.53	3.05	3.05	100.00%	2.83	92.79%
33.53	36.58	3.05	3.02	99.02%	2.67	87.54%
36.58	39.62	3.04	3.02	99.34%	2.77	91.12%
39.62	42.67	3.05	3.03	99.34%	2.76	90.49%
42.67	45.72	3.05	3.00	98.36%	2.65	86.89%
45.72	48.77	3.05	3.05	100.00%	2.31	75.74%
48.77	51.82	3.05	2.94	96.39%	2.69	88.20%
51.82	54.86	3.04	3.04	100.00%	2.89	95.07%
54.86	57.91	3.05	2.99	98.03%	2.63	86.23%
57.91	60.96	3.05	3.02	99.02%	2.47	80.98%
60.96	64.01	3.05	3.00	98.36%	2.93	96.07%
64.01	67.06	3.05	3.05	100.00%	2.39	78.36%
67.06	70.10	3.04	3.03	99.67%	2.60	85.53%
70.10	73.15	3.05	3.05	100.00%	2.42	79.34%
73.15	76.20	3.05	3.05	100.00%	2.71	88.85%
76.20	79.25	3.05	3.05	100.00%	2.94	96.39%
79.25	82.30	3.05	3.05	100.00%	2.22	72.79%
82.30	85.34	3.04	3.04	100.00%	1.50	49.34%
85.34	88.39	3.05	3.05	100.00%	1.56	51.15%
88.39	91.44	3.05	3.05	100.00%	2.22	72.79%
91.44	94.49	3.05	3.05	100.00%	1.47	48.20%
94.49	97.54	3.05	3.04	99.67%	2.35	77.05%
97.54	100.58	3.04	3.04	100.00%	2.49	81.91%
100.58	103.63	3.05	3.05	100.00%	1.62	53.11%
103.63	106.68	3.05	3.05	100.00%	2.61	85.57%
106.68	109.73	3.05	3.05	100.00%	2.77	90.82%
109.73	112.78	3.05	3.05	100.00%	2.29	75.08%
112.78	115.82	3.04	3.04	100.00%	2.53	83.22%
115.82	118.87	3.05	3.05	100.00%	2.51	82.30%
118.87	121.92	3.05	3.05	100.00%	1.89	61.97%
121.92	124.97	3.05	3.05	100.00%	0.98	32.13%
124.97	128.02	3.05	3.05	100.00%	2.22	72.79%
128.02	131.06	3.04	3.04	100.00%	1.24	40.79%
131.06	134.11	3.05	3.05	100.00%	2.29	75.08%
134.11	137.16	3.05	3.05	100.00%	2.91	95.41%
137.16	140.21	3.05	3.05	100.00%	2.63	86.23%
140.21	143.26	3.05	3.05	100.00%	2.45	80.33%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TC93-14

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
143.26	146.30	3.04	3.04	100.00%	1.61	52.96%
146.30	149.35	3.05	3.05	100.00%	2.58	84.59%
149.35	152.40	3.05	3.05	100.00%	2.56	83.93%
152.40	155.45	3.05	3.05	100.00%	2.19	71.80%
155.45	158.50	3.05	3.05	100.00%	1.99	65.25%
158.50	161.54	3.04	3.04	100.00%	2.81	92.43%
161.54	164.59	3.05	3.05	100.00%	2.28	74.75%
164.59	167.64	3.05	3.01	98.69%	2.07	67.87%
167.64	170.69	3.05	2.92	95.74%	2.33	76.39%
170.69	173.74	3.05	3.01	98.69%	2.71	88.85%
173.74	176.78	3.04	2.96	97.37%	2.73	89.80%
176.78	178.31	1.53	1.49	97.39%	1.16	75.82%
178.31	181.36	3.05	2.94	96.39%	2.62	85.90%
181.36	182.88	1.52	1.41	92.76%	0.72	47.37%
182.88	185.93	3.05	2.94	96.39%	1.32	43.28%
185.93	188.98	3.05	3.05	100.00%	1.85	60.66%
188.98	192.02	3.04	3.04	100.00%	2.82	92.76%
192.02	195.07	3.05	3.05	100.00%	2.43	79.67%
195.07	198.12	3.05	3.05	100.00%	2.81	92.13%
198.12	EOH			98.44%		73.94%

Hole No: TCU93-47
Client:
Property: Tulsequah Chief
Claim:
Co-ords: N: 15185.95
(metres) E: 10732.35

Azimuth: 193.4
Dip: -57.2
Length (m): 281.33
Elevation: 111.45
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu
Started: July 6, 1993
Completed: July 11, 1993
Recovery:

Date Logged: July 10 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 8:30am

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	193.4	-57.2															
3.2	193.4	-57.2	50.5	194.3	-57.3	97.9	195.6	-57.5	145.3	195.8	-57.8	192.6	196.9	-58.3	240.0	198.1	-58.4
6.3	193.6	-57.2	53.7	194.5	-57.4	101.0	195.6	-57.5	148.4	196.0	-57.9	195.8	196.9	-58.3	243.1	198.1	-58.4
9.5	193.8	-57.3	56.8	194.7	-57.5	104.2	195.6	-57.5	151.6	196.2	-58.0	198.9	196.9	-58.3	246.3	198.1	-58.4
12.6	193.9	-57.3	60.0	194.7	-57.5	107.4	195.8	-57.5	154.7	196.4	-58.0	202.1	197.1	-58.3	249.4	198.1	-58.4
15.8	193.9	-57.3	63.2	194.9	-57.5	110.5	196.0	-57.6	157.9	196.4	-57.9	205.2	197.1	-58.3	252.6	198.1	-58.5
19.0	194.1	-57.3	66.3	195.1	-57.5	113.7	196.2	-57.6	161.0	196.6	-58.0	208.4	197.1	-58.2	255.8	198.1	-58.6
22.1	194.3	-57.3	69.5	195.2	-57.5	116.8	196.2	-57.6	164.2	196.6	-58.1	211.6	197.1	-58.3	258.9	198.1	-58.6
25.3	194.3	-57.3	72.6	195.4	-57.5	120.0	196.2	-57.6	167.4	196.6	-58.2	214.7	197.3	-58.4	262.1	198.3	-58.6
28.4	194.3	-57.4	75.8	195.4	-57.5	123.2	196.0	-57.6	170.5	196.6	-58.4	217.9	197.5	-58.4	265.2	198.6	-58.8
31.6	194.1	-57.2	78.9	195.4	-57.5	126.3	195.8	-57.6	173.7	196.6	-58.4	221.0	197.7	-58.4	268.4	198.8	-58.8
34.7	194.1	-57.2	82.1	195.4	-57.5	129.5	195.8	-57.6	176.8	196.6	-58.4	224.2	197.7	-58.4	271.5	198.8	-58.9
37.9	194.1	-57.2	85.3	195.4	-57.6	132.6	195.8	-57.6	180.0	196.6	-58.3	227.4	197.7	-58.4	274.7	199.0	-59.0
41.0	194.1	-57.2	88.4	195.4	-57.6	135.8	195.8	-57.6	183.1	196.7	-58.4	230.5	197.7	-58.4	277.9	199.2	-59.0
44.2	194.3	-57.2	91.6	195.4	-57.6	138.9	195.8	-57.6	186.3	196.7	-58.4	233.7	197.7	-58.4	281.0	199.2	-59.1
47.4	194.3	-57.3	94.7	195.6	-57.5	142.1	195.8	-57.7	189.5	196.9	-58.4	236.8	197.9	-58.4			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.90	CASING										
.90	15.90	BASALT UNDIFFERENTIATED; (PROPYLITIC) Massive, dark green to black, propylitically (weak) altered, fine grained undifferentiated mafic flow or intrusion; feldspar (<1mm) and amphibole (<1mm) phyric in part. Vein types include (i) rare quartz veins (<1cm, 70-80° to CA) and (ii) chlorite + magnetite veins (<1cm, 60° to CA). Lower contact sharp @ 40° to CA.										
15.90	27.32	DACITE FLOWS; (HEMATITE) Massive, greyish green with a maroon tinge, feldspar (<2mm) and quartz										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		(1mm) phyric dacite flow. Numerous chlorite ± epidote ± magnetite fractures (<1cm, @ 60-70° to CA) and shears with white to grey silica envelopes; zones of pervasive silica flooding (primary textures destroyed) where fracture density is higher.										
		17.60 17.70 FAULT Brecciated white dacite clasts (<2cm, angular, quartz veined, interlocking part, @ 35° to CA) in a grey pyritic dacitic matrix; rare flecks of fuchsite.										
		22.75 23.15 FAULT Chlorite cemented silica + clay (?) altered fault zone @ 40° to CA.										
		26.00 26.30 BASALTIC INTRUSION; Massive, dark green, aphanitic mafic dyke; Upper and lower contact @ approximately 50° to CA.										
		27.05 27.20 BASALTIC INTRUSION; Similar to 26.00 - 26.30 metres. Upper and lower contact sharp @ 70° to CA.										
27.32	39.62	FAULT Broken and ground core consisting of strong chlorite and quartz stringered (<5mm) silicified (bleached) dacite flow. Chlorite fractures @ 20-80° to CA. Gradational lower contact.										
39.62	53.06	DACITE FLOW BRECCIA; (HEMATITE) Massive, greyish green to maroon, propylitically (weak) altered, feldspar (<2mm) and quartz (<1mm) phyric dacite flow breccia. Breccia clasts are <5cm diameter, subrounded to subangular, grey, fine grained dacite in a darker green, chloritic matrix. Irregular sections with finely disseminated hematite. Chlorite ± epidote fractures (<5mm, average 50° to CA) with envelopes (<1cm) of silica ± albite (?). Lower contact irregular @ 70-80° to CA.										
53.06	56.69	BASALTIC INTRUSION; Massive, dark green to black, fine grained to aphanitic mafic dyke. Chlorite fractured @ low angle to core resulting in low RQD's. Lower contact sharp @ 60° to CA.										
56.69	100.28	DACITE FLOW BRECCIA; (HEMATITE) (CORDIERITE) Massive, greyish green, propylitically altered, feldspar (<2mm) and quartz (<1mm) phyric dacite flow breccia. Breccia clasts are grey to maroon (hematitic), <10cm diameter, subrounded to subangular, interlocking in part, selectively silica altered and homolithic. Matrix is darker greyish green, chloritic and magnetite rich. Rare sections with metamorphic brown cordierite porphyroblasts (<5mm, euhedral). Some chlorite + calcite + epidote + quartz veins (<5mm, 10-30° to CA). Lower contact sheared @ 50° to CA.										
		68.20 69.20 Chlorite + epidote + calcite + quartz + garnet vein (<3cm, @ 0-5° to CA).										
		86.38 86.45 BASALTIC INTRUSION; Massive, dark green to black, fine grained to aphanitic mafic dyke. Contacts sharp @ 50° to CA.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
100.28	101.55	FAULT Clay gouge with fragments (<5mm) of mainly bleached, grey sericite + pyrite (strong) altered ash tuff and chert; 2% disseminated fine grained pyrite. Contacts @ 40° to CA.										
101.55	103.50	SLOKO RHYOLITE DYKE; Flow banded to brecciated, white, fine grained to aphanitic felsic dyke; feldspar (<0.5mm) and quartz (<0.5mm) crystals visible in fine grained sections. Disseminated fine to coarse grained pyrite (2-3%). Flow banded contacts (10-30cm) @ 25° to CA.										
103.50	104.58	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Massive, apple green, sericite (strong) altered ash tuff--uncertain composition; relict feldspar (1-3mm) crystals throughout interval. Disseminated fine grained pyrite (1-2%) increases to heavy disseminations near bottom of interval. Disseminated fine grained tan leucoxene throughout interval. Lower contact gradational over 10 cm.	68001	103.50	104.58	1.08					
104.58	110.92	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) Layered to brecciated, grey sericite altered ash tuff (50%) and white chert or silicified volcanics (40%). Layering (0.5-1.0cm) @ 40° to CA with some brecciated sections. Disseminated and layered fine grained pyrite (5-10%) and tan leucoxene (2%). Lower contact sharp @ 50° to CA.	68002 68003 68004 68005	104.58 106.58 108.58 110.58	106.58 108.58 110.58 110.92	2.00 2.00 2.00 .34					
110.92	111.40	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Foliated, apple green, sericite (strong) altered fine ash tuff similar to 103.50 - 104.58 metres. Disseminated and stringer (<1mm) fine grained tan leucoxene (2%). Foliation @ 55° to CA. Rare grains of fuchsite near lower contact. Lower contact sharp @ 60° to CA.	68006	110.92	111.40	.48					
111.40	117.91	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, fine grained mafic dyke (synmineral dyke?). Quartz ± calcite ± chlorite ± epidote veins @ 70° to CA. Sections with heavy disseminated pyrite and magnetite. Lower contact sharp and irregular @ 70° to CA.										
117.91	124.16	PYRITE FACIES; Layered, heavy disseminated pyrite, chert and sericite altered ash tuff. Approximately 50-60% pyrite near top of interval decreasing to 10-15% near bottom of interval. Disseminated fine grained tan sphalerite (2-3%). Layering @ 50° to CA. Lower contact gradational.	68007 68008 68009 68010	117.91 119.91 121.91 123.91	119.91 121.91 123.91 124.16	2.00 2.00 2.00 .25					
124.16	132.24	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Layered, greenish grey, sericite altered ash tuff (60%), grey to white chert or silica altered volcanic (30%), and disseminated pyrite (5-10%). Fragmental sections consist of greenish grey sericite altered ash tuff	68011 68012 68013	124.16 126.16 128.16	126.16 128.16 130.16	2.00 2.00 2.00					

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		clasts (angular, <4cm, cuspate) in a grey cherty pyritic matrix. Disseminated fine grained tan leucoxene (1%). Layering @ 35-45° to CA. Lower contact sharp @ 35° to CA.	68014	130.16	132.08	1.92						
132.24	132.65	SLOKO RHYOLITE DYKE; Flow banded, white, fine grained to aphanitic, felsic dyke. Chilled contacts (2-4cm thick). Lower contact sharp @ 35° to CA.										
132.65	151.00	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Weakly layered, greenish grey, sericite altered ash tuff (70%) with irregular layers and breccia infilling of white chert or silica altered volcanic (20%); breccia clasts are angular to subangular, interlocking in part, <3cm long, and mainly sericite altered ash in composition. Disseminated fine grained pyrite (5-7%) and tan leucoxene (1%). Layering @ 40-60° to CA (weak foliation parallel to layering and crenulation cleavage developed in strong sericite altered sections). Gradational lower contact over 1.0 metres.	68015	132.65	134.55	1.90						
			68016	134.85	136.85	2.00						
			68017	136.85	138.85	2.00						
			68018	138.85	140.85	2.00						
			68019	140.85	142.85	2.00						
			68020	142.85	144.85	2.00						
			68021	144.85	146.85	2.00						
			68022	146.85	148.85	2.00						
			68023	148.85	151.00	2.15						
151.00	166.04	ALTERED FACIES; (SILICIFICATION) (SERICITIZATION) (DISSEMINATED PYRITE) Layered, white to grey chert or silicified volcanic (65%) and sericite altered ash tuff (30%); some disrupted laminations and brecciated sections. Layering @ 20-30° to CA. Disseminated and wispy laminations (<5mm) of fine to medium grained pyrite (5%); disseminated fine grained sphalerite ? (1%). Quartz ± pyrite stringers throughout interval. Lower contact gradational.	68024	151.00	153.00	2.00						
			68025	153.00	155.00	2.00						
			68026	155.00	157.00	2.00						
			68027	157.00	159.00	2.00						
			68028	159.00	161.00	2.00						
			68029	161.00	163.00	2.00						
			68030	163.00	165.00	2.00						
			68031	165.00	166.04	1.04						
166.04	168.03	ALTERED FACIES; (SERICITIZATION) (BIOTITIZATION) (DISSEMINATED PYRITE) Layered, grey and white, sericite + pyrite altered ash tuff (65%) and wispy chert + pyrite laminations and stringers (20%); some fragmental sections. Layering @ 30° to CA. Sections with purplish brown metamorphic biotite + chlorite alteration. Disseminated and stringer fine grained pyrite (10-15%) and tan leucoxene (5%).	68032	166.04	168.03	1.99						
168.03	174.40	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (DISSEMINATED PYRITE) Massive to layered, sericite + silica + pyrite altered, quartz amygdaloidal mafic lapilli tuff and lesser ash tuff. Lapilli are olive green, sericite + pyrite altered, <2cm diameter and in part interlocking. Matrix is lighter green, silica + sericite altered. Disseminated fine grained pyrite (5-7%).	68033	168.03	168.40	.37						
			68034	168.40	170.40	2.00						
			68035	170.40	172.40	2.00						
			68036	172.40	174.40	2.00						
		168.03 168.40 BASALT ASH TUFF; Layered, dark olive green, pyrite + sericite altered ash tuff (glass shards ?); layering @ 25° to CA. Disseminated fine grained pyrite (25%)>.										
174.40	174.93	PYRITE FACIES;										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Semi-massive pyrite (50%) cut by silica veinlets (<3mm); ground and broken core.	68037	174.40	174.93	.53						
174.93	176.48	NO CORE Mislatch; ground core (5cm long) consisting of (i) massive black sphalerite, galena and chalcopyrite, and (ii) Sloko rhyolite dyke.										
176.48	201.20	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Mixed interval of sericite + silica + pyrite altered ash and lapilli tuff (composition uncertain), and chert or silica altered volcanic. Layering @ 45° to CA. Disseminated and stringers of fine to medium grained pyrite (10-15%) decreasing towards bottom of interval. 183.00 188.00 Disseminated and veined pyrite in biotite + chlorite altered interval.	68038	176.48	178.48	2.00						
			68039	178.48	180.48	2.00						
			68040	180.48	182.48	2.00						
			68041	182.48	184.48	2.00						
			68042	184.48	186.48	2.00						
			68043	186.48	188.48	2.00						
			68044	188.48	190.48	2.00						
			68045	190.48	192.48	2.00						
			68046	192.48	194.48	2.00						
			68047	194.48	196.48	2.00						
			68048	196.48	198.48	2.00						
			68049	198.48	200.48	2.00						
			68050	200.48	201.20	.72						
201.20	204.50	BASALT LAPILLI TUFF; (SILICIFICATION) (SERICITIZATION) (DISSEMINATED PYRITE) Distinctive light grey, sericite altered mafic (?) lapilli tuff. Lapilli are <1 cm diameter, cuspate and comprised mainly of glass shards in a darker grey, silica + sericite + pyrite altered matrix. Disseminated and stringer fine grained pyrite (3-5%).	68051	201.20	203.20	2.00						
			68052	203.20	204.50	1.30						
204.50	205.04	BASALTIC INTRUSION; Massive, dark green to black mafic dyke; strongly magnetic unit. Some chlorite fractures (60° to CA) with grey silica envelopes (<1cm). Upper contact sharp @ 30° to CA, lower contact sharp @ 35° to CA.										
205.04	225.40	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Mixed interval of interbedded, white to grey, sericite + silica altered ash and lapilli tuff, and wispy chert clasts (debris flow?). Lapilli are olive grey, homolithic, angular (cuspate), sericite + silica altered in a grey silicified matrix. Disseminated and stringer fine grained pyrite (5%). Layering @ 45° to CA.	68053	205.04	207.04	2.00						
			68054	207.04	209.04	2.00						
			68055	209.04	211.04	2.00						
			68056	211.04	213.04	2.00						
			68057	213.04	215.04	2.00						
			68058	215.04	217.04	2.00						
			68059	217.04	219.04	2.00						
			68060	219.04	221.04	2.00						
			68061	221.04	223.04	2.00						
			68062	223.04	225.04	2.00						
			68063	225.04	225.40	.36						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
225.40	226.10	FAULT Broken and fractured core, minor gouge @ 20° to CA.										
226.10	227.90	BASALT ASH TUFF; (CHLORITIZATION) (CORDIERITE) (DISSEMINATED PYRITE) Laminated, greyish green and brown, chlorite + sericite + pyrite altered mafic ash tuff and minor lapilli tuff; overprinted by metamorphic biotite ± cordierite. Layering @ 40° to CA. Disseminated and stringer fine to medium grained pyrite (3-5%).	68064	226.10	227.90	1.80						
227.90	229.45	BASALTIC INTRUSION; (CORDIERITE) Massive, dark green, chlorite ± cordierite ± biotite altered mafic dyke; quartz + chlorite fractures (<2cm, @ 10 and 70° to CA). Upper contact @ 65° and lower contact @ 45°.										
229.45	235.30	BASALT ASH TUFF; (CHLORITIZATION) (CORDIERITE) (DISSEMINATED PYRITE) Similar to 226.10 - 227.90 metres. 234.00 235.30 Quartz stringered silicified section with heavy disseminated fine to medium grained euhedral pyrite (40-50%).	68065 68066 68067 68068	229.45 231.45 233.45 234.00	231.45 233.45 234.00 235.30	2.00 2.00 .55 1.30						
235.30	235.80	BASALTIC INTRUSION; (CHLORITIZATION) Massive, dark green, chlorite altered fine grained mafic dyke. Upper contact sharp @ 60° to CA and lower contact sharp @ 40° to CA.										
235.80	250.80	AMYGDALOIDAL BASALT FRAGMENTAL; (CHLORITIZATION) (CORDIERITE) (SILICIFICATION) Massive, brown and white, quartz amygdaloidal (<4mm), homolithic mafic lapilli tuff (aquagene tuff). Lapilli clasts are <1cm diameter, cuspate in outline, and chlorite + biotite + cordierite + pyrite altered. Matrix consists of white silica or silicified volcanic and disseminated pyrite. Cordierite is <4mm, sub-euhedral and mainly confined to the mafic clasts. Disseminated fine to medium grained pyrite (5-7%). Lower contact broken core. 238.75 238.80 SLOKO RHYOLITE DYKE; Pinkish grey, fine grained Sloko rhyolite dyke. Upper and lower contacts @ 45° to CA.	68070 68071 68072 68073 68074 68075 68076	237.80 238.80 240.80 242.80 244.80 246.80 248.80	238.75 240.80 242.80 244.80 246.80 248.80 250.80	.95 2.00 2.00 2.00 2.00 2.00 2.00						
250.80	251.95	BASALTIC INTRUSION; Massive, dark green to black, chloritic, fine grained to aphanitic mafic dyke. Lower contact sharp @ 45° to CA.										
251.95	255.90	AMYGDALOIDAL BASALT FRAGMENTAL; (CHLORITIZATION) (DISSEMINATED PYRITE) Similar to 235.80-250.80 metres. Lower contact @ 55° to CA.	68077 68078	251.95 253.95	253.95 255.95	2.00 2.00						
255.90	258.63	AMYGDALOIDAL BASALT FRAGMENTAL; (CHLORITIZATION) (SERICITIZATION) (DISSEMINATED PYRITE) Layered, olive to greyish green, sericite + chlorite + pyrite altered	68079	255.90	257.90	2.00						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		mafic ash and lapilli tuff. Lapilli are grey to white, <3cm diameter, angular to subangular, silicified quartz amygdaloidal basalt. Layering @ 60° to CA. Disseminated fine to medium grained pyrite (7%). Lower contact sharp @ 60° to CA.	68080	257.90	258.63	.73						
258.63	260.15	BASALTIC INTRUSION; (CHLORITIZATION) (BIOTITIZATION) Massive, green and brown, chlorite altered fine grained to aphanitic mafic dyke overprinted by biotite metamorphism. Weak foliation @ 40° to CA.										
260.15	263.40	AMYGDALOIDAL BASALT FRAGMENTAL; (SILICIFICATION) (SERICITIZATION) (DISSEMINATED PYRITE) Weakly layered, silicified quartz amygdaloidal (<3mm) mafic lapilli in an olive grey silica + sericite + pyrite (5-7%) altered ash matrix. Lapilli are <4cm long, and aligned @ 45° to CA. Lower contact ground core.	68081 68082	260.15 262.15	262.15 263.40	2.00 1.25						
263.40	274.10	BASALTIC INTRUSION; (CHLORITIZATION) (CORDIERITE) Massive, dark green and brownish green, chlorite altered, fine grained to aphanitic mafic dyke; overprinted by metamorphic biotite ± cordierite. Minor quartz ± chlorite veins (<3cm, @ 70-90° to CA). Lower contact sharp @ 80° to CA.										
274.10	281.33	AMYGDALOIDAL BASALT FRAGMENTAL; (CHLORITIZATION) (CORDIERITE) (DISSEMINATED PYRITE) Similar to 260.15 - 263.40 metres with some ash tuff intervals. Unit overprinted by metamorphic biotite + cordierite (<5mm). 276.00 276.76 Chlorite fracture @ 0-5° to CA; slickensides @ 25° (rake on shear plane). Broken core. 279.60 280.20 Chlorite fracture @ 15° to CA.	68083 68084 68085 68086	274.10 276.10 278.10 280.10	276.10 278.10 280.10 281.33	2.00 2.00 2.00 1.23						
281.33		EOH										

Hole No: TCU93-47
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15185.95
(metres) E: 10732.35

Azimuth: 193.4
Dip: -57.2
Length (m): 281.33
Elevation: 111.45
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu
Started: July 6, 1993
Completed: July 11, 1993
Recovery:

Date Logged: July 10 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 8:30am

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68001	103.50	104.58	1.08								18	.2	18	22	46	2.69	18	0	2	186
68002	104.58	106.58	2.00								28	.3	28	17	41	3.99	12	1	2	101
68003	106.58	108.58	2.00								17	.1	13	9	32	1.69	6	0	2	131
68004	108.58	110.58	2.00								11	.1	8	6	29	1.64	8	0	2	118
68005	110.58	110.92	.34								13	.1	9	9	27	1.48	12	0	2	139
68006	110.92	111.40	.48								9	.1	2	7	40	.60	2	0	2	158
68007	117.91	119.91	2.00								85	.6	81	15	16	11.31	77	1	2	73
68008	119.91	121.91	2.00								33	.4	37	11	12	11.48	27	0	2	23
68009	121.91	123.91	2.00								45	.8	87	25	39	8.54	381	1	7	28
68010	123.91	124.16	.25								140	.8	106	34	23	6.05	224	1	10	33
68011	124.16	126.16	2.00								190	1.3	136	111	182	6.55	196	1	10	29
68012	126.16	128.16	2.00								73	.5	50	92	156	4.74	89	1	6	44
68013	128.16	130.16	2.00								43	.1	41	4	119	3.36	62	1	3	65
68014	130.16	132.08	1.92								50	.3	24	5	14	3.94	42	0	4	34
68015	132.65	134.55	1.90								130	.4	27	11	12	5.16	62	0	3	39
68016	134.85	136.85	2.00								150	.3	22	10	25	3.31	61	0	3	52
68017	136.85	138.85	2.00								150	.3	24	9	223	2.32	75	1	2	56
68018	138.85	140.85	2.00								110	.5	32	11	22	3.40	121	0	4	53
68019	140.85	142.85	2.00								62	.6	46	10	26	4.55	104	0	5	53
68020	142.85	144.85	2.00								75	.8	47	7	13	5.84	144	0	4	35
68021	144.85	146.85	2.00								98	1.2	42	10	13	4.54	59	1	3	45
68022	146.85	148.85	2.00								330	1.4	62	6	15	4.13	45	1	5	43
68023	148.85	151.00	2.15								440	1.2	32	5	10	3.10	42	0	3	59
68024	151.00	153.00	2.00								98	.8	132	5	25	2.58	45	0	5	67
68025	153.00	155.00	2.00								88	.4	15	2	11	3.89	19	0	2	56
68026	155.00	157.00	2.00								43	.2	7	2	7	2.53	11	0	2	66
68027	157.00	159.00	2.00								110	.5	16	2	7	3.29	36	1	2	51
68028	159.00	161.00	2.00								120	.9	33	7	10	3.27	64	1	4	53
68029	161.00	163.00	2.00								340	1.9	58	13	18	5.30	160	0	8	47
68030	163.00	165.00	2.00								45	.8	44	12	12	3.72	100	0	4	58
68031	165.00	166.04	1.04								110	1.0	18	7	7	3.21	184	1	4	69
68032	166.04	168.03	1.99								160	1.4	35	19	19	7.92	227	0	3	34

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68033	168.03	168.40	.37							330	1.8	65	13	16	11.12	278	0	6	28
68034	168.40	170.40	2.00							130	.8	26	17	13	5.20	204	0	2	58
68035	170.40	172.40	2.00							130	1.0	23	19	12	4.64	168	1	2	59
68036	172.40	174.40	2.00							540	3.0	35	33	17	7.55	268	1	10	33
68037	174.40	174.93	.53																	
68038	176.48	178.48	2.00							470	3.4	37	42	15	12.31	443	1	11	25
68039	178.48	180.48	2.00							110	.7	25	25	18	10.04	328	0	2	28
68040	180.48	182.48	2.00							71	.6	20	16	20	7.37	203	0	2	29
68041	182.48	184.48	2.00							38	.4	23	13	29	8.88	156	0	2	22
68042	184.48	186.48	2.00							92	.5	12	17	47	15.19	244	0	2	34
68043	186.48	188.48	2.00							34	.4	11	16	24	7.52	232	1	2	28
68044	188.48	190.48	2.00							32	.4	13	8	12	5.40	100	0	2	49
68045	190.48	192.48	2.00							20	.4	14	8	13	6.32	98	0	2	46
68046	192.48	194.48	2.00							56	.8	16	15	14	8.68	149	0	2	34
68047	194.48	196.48	2.00							27	.3	16	10	14	5.16	89	0	2	47
68048	196.48	198.48	2.00							62	.5	18	15	19	6.71	128	0	2	40
68049	198.48	200.48	2.00							56	2.1	20	13	9	6.52	140	1	2	47
68050	200.48	201.20	.72							37	.6	19	12	10	6.59	167	0	2	47
68051	201.20	203.20	2.00							83	3.4	32	23	13	8.90	251	0	2	32
68052	203.20	204.50	1.30							63	.4	17	20	14	6.65	278	0	4	38
68053	205.04	207.04	2.00							69	.4	13	13	9	5.10	176	1	2	49
68054	207.04	209.04	2.00							51	.5	21	18	8	7.65	180	1	2	31
68055	209.04	211.04	2.00							60	.5	22	17	16	6.56	171	1	2	36
68056	211.04	213.04	2.00							85	.7	24	15	11	8.02	255	0	3	41
68057	213.04	215.04	2.00							37	1.0	28	14	15	9.18	248	0	3	25
68058	215.04	217.04	2.00							27	.3	15	13	22	5.44	126	0	2	46
68059	217.04	219.04	2.00							66	.4	14	11	16	6.75	182	0	2	30
68060	219.04	221.04	2.00							55	.3	13	19	21	7.01	155	0	2	34
68061	221.04	223.04	2.00							51	.4	14	16	13	6.27	124	0	2	37
68062	223.04	225.04	2.00							73	.5	17	18	23	6.38	102	0	2	35
68063	225.04	225.40	.36							30	.3	13	9	18	5.75	91	1	2	29
68064	226.10	227.90	1.80							50	.3	18	10	33	6.51	128	1	2	38
68065	229.45	231.45	2.00							35	.4	15	10	30	7.07	170	0	2	42
68066	231.45	233.45	2.00							150	.5	7	15	26	6.24	120	0	2	53
68067	233.45	234.00	.55							89	.3	19	14	51	5.44	55	0	2	100
68068	234.00	235.30	1.30							32	.2	25	17	31	13.91	104	0	2	19
68070	237.80	238.75	.95							21	.1	13	12	60	6.02	45	0	2	39
68071	238.80	240.80	2.00							31	.1	36	13	52	6.49	87	1	2	29
68072	240.80	242.80	2.00							28	.1	24	19	52	6.43	67	0	2	33
68073	242.80	244.80	2.00							30	.1	8	9	57	8.64	53	0	2	64
68074	244.80	246.80	2.00							20	.1	10	12	62	6.04	42	0	2	26
68075	246.80	248.80	2.00							20	.1	11	14	59	6.13	45	0	2	24
68076	248.80	250.80	2.00							25	.1	13	12	62	6.32	42	0	2	31
68077	251.95	253.95	2.00							29	.1	17	11	74	7.00	29	0	2	53
68078	253.95	255.95	2.00							37	.6	78	22	85	11.04	39	0	2	16
68079	255.90	257.90	2.00							90	.4	34	22	38	6.90	118	1	3	31
68080	257.90	258.63	.73							59	.3	39	17	40	7.27	103	0	3	20

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68081	260.15	262.15	2.00								45	.5	45	15	39	5.80	111	0	6	38
68082	262.15	263.40	1.25								160	2.3	105	690	851	5.21	155	3	6	15
68083	274.10	276.10	2.00								130	.4	23	23	63	7.65	117	1	2	26
68084	276.10	278.10	2.00								89	.7	24	38	91	8.42	68	0	2	63
68085	278.10	280.10	2.00								88	1.4	26	39	89	7.56	60	0	2	63
68086	280.10	281.33	1.23								22	.4	104	7	80	5.23	7	0	2	117

Hole No: TCU93-47
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15185.95
(metres) E: 10732.35

Azimuth: 193.4
Dip: -57.2
Length (m): 281.33
Elevation: 111.45
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu
Started: July 6, 1993
Completed: July 11, 1993
Recovery:

Date Logged: July 10 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 8:29am

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68001	103.50	104.58	1.08	3	9	10	363	5	3	24	2	4	.48	5	1	3.51	.01	4	2
68002	104.58	106.58	2.00	2	8	10	288	5	2	15	2	8	.34	3	3	3.36	.01	2	1
68003	106.58	108.58	2.00	1	4	3	265	5	2	21	2	5	.49	4	2	2.86	.01	4	1
68004	108.58	110.58	2.00	2	1	3	160	5	2	13	2	2	.13	7	2	2.30	.01	2	1
68005	110.58	110.92	.34	2	3	5	215	5	2	33	2	2	.33	8	4	2.29	.01	3	1
68006	110.92	111.40	.48	1	1	1	335	5	6	75	2	4	.79	13	4	3.32	.01	3	1
68007	117.91	119.91	2.00	6	9	5	81	5	2	21	2	4	.46	2	3	.23	.01	5	1
68008	119.91	121.91	2.00	10	19	4	31	5	2	11	8	2	.14	3	2	.08	.01	2	1
68009	121.91	123.91	2.00	6	1	2	49	5	2	12	6	2	.13	2	2	.11	.01	2	1
68010	123.91	124.16	.25	6	12	5	37	5	2	10	9	2	.06	6	3	.08	.01	2	1
68011	124.16	126.16	2.00	10	3	1	36	5	2	4	3	2	.04	2	3	.04	.01	2	1
68012	126.16	128.16	2.00	5	1	2	29	5	2	5	2	2	.04	4	4	.04	.01	2	1
68013	128.16	130.16	2.00	5	1	3	28	5	2	10	2	2	.07	8	2	.05	.01	2	1
68014	130.16	132.08	1.92	4	2	1	23	5	2	8	2	2	.05	6	3	.03	.01	2	1
68015	132.65	134.55	1.90	6	1	1	37	5	2	6	2	2	.06	4	3	.05	.01	2	1
68016	134.85	136.85	2.00	4	2	1	21	5	2	6	2	2	.04	6	3	.03	.01	2	1
68017	136.85	138.85	2.00	4	1	1	16	5	2	7	2	2	.04	5	2	.03	.01	2	1
68018	138.85	140.85	2.00	4	2	1	17	5	2	6	2	2	.05	6	2	.04	.01	3	1
68019	140.85	142.85	2.00	5	2	1	74	5	2	11	2	2	.21	4	5	.09	.01	5	1
68020	142.85	144.85	2.00	4	1	1	25	5	2	8	2	2	.05	3	2	.06	.01	3	1
68021	144.85	146.85	2.00	6	1	1	25	5	2	6	3	2	.05	5	3	.10	.01	3	1
68022	146.85	148.85	2.00	14	2	1	28	5	2	7	3	2	.06	5	5	.08	.01	2	1
68023	148.85	151.00	2.15	8	1	1	35	5	2	9	2	2	.09	7	2	.11	.01	2	1
68024	151.00	153.00	2.00	6	2	1	30	5	2	6	3	2	.05	7	3	.12	.01	2	1
68025	153.00	155.00	2.00	10	1	1	44	5	2	9	2	2	.08	7	3	.21	.01	2	1
68026	155.00	157.00	2.00	7	2	1	36	5	2	9	2	2	.12	7	3	.14	.01	2	1
68027	157.00	159.00	2.00	9	2	1	47	5	2	6	2	2	.07	7	4	.15	.01	2	1
68028	159.00	161.00	2.00	6	1	1	35	5	2	5	2	2	.05	6	3	.13	.01	2	1
68029	161.00	163.00	2.00	5	2	1	34	5	2	6	2	2	.05	6	2	.12	.01	2	1
68030	163.00	165.00	2.00	4	3	1	24	5	2	4	2	2	.04	4	3	.08	.01	2	1
68031	165.00	166.04	1.04	4	1	2	29	5	2	5	2	2	.04	8	4	.12	.01	2	1
68032	166.04	168.03	1.99	8	1	3	40	5	2	10	4	2	.12	4	1	.18	.01	2	1

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68033	168.03	168.40	.37	9	3	6	46	5	2	14	7	2	.20	4	2	.20	.01	2	1
68034	168.40	170.40	2.00	4	1	7	50	5	2	11	2	2	.26	4	2	.22	.01	2	1
68035	170.40	172.40	2.00	4	1	8	56	5	2	13	2	2	.29	4	2	.23	.01	2	1
68036	172.40	174.40	2.00	4	1	8	63	5	2	16	2	3	.29	3	2	.26	.01	2	1
68037	174.40	174.93	.53																
68038	176.48	178.48	2.00	3	5	9	76	5	2	14	8	3	.38	2	1	.26	.01	4	1
68039	178.48	180.48	2.00	3	2	7	140	5	2	12	4	6	.41	2	3	.34	.01	3	1
68040	180.48	182.48	2.00	2	2	10	181	5	2	11	4	5	.35	2	2	.55	.01	6	1
68041	182.48	184.48	2.00	3	1	5	385	5	2	18	4	7	.33	2	3	1.24	.04	3	1
68042	184.48	186.48	2.00	2	1	7	698	5	2	16	6	15	.31	2	2	2.62	.07	6	1
68043	186.48	188.48	2.00	2	1	8	431	5	2	23	4	8	.45	2	2	1.05	.03	10	1
68044	188.48	190.48	2.00	2	1	9	134	5	2	22	2	3	.47	2	3	.35	.01	3	1
68045	190.48	192.48	2.00	3	1	9	68	5	2	20	3	3	.45	2	3	.18	.01	2	1
68046	192.48	194.48	2.00	3	1	10	82	5	2	36	8	3	.47	2	3	.24	.01	8	1
68047	194.48	196.48	2.00	2	4	8	72	5	2	31	2	2	.41	2	3	.19	.01	2	1
68048	196.48	198.48	2.00	3	1	9	100	5	2	33	6	4	.44	3	2	.30	.01	6	1
68049	198.48	200.48	2.00	5	3	7	58	5	2	14	3	3	.40	3	4	.13	.01	8	1
68050	200.48	201.20	.72	3	2	8	83	5	2	17	2	7	.51	2	4	.21	.01	6	1
68051	201.20	203.20	2.00	4	1	9	95	5	2	18	2	4	.41	2	2	.31	.01	5	1
68052	203.20	204.50	1.30	3	1	8	88	5	2	20	2	5	.55	3	3	.26	.01	3	1
68053	205.04	207.04	2.00	3	3	9	64	5	2	13	2	3	.39	2	4	.15	.01	5	1
68054	207.04	209.04	2.00	3	1	8	53	5	2	12	2	2	.31	2	3	.12	.01	2	1
68055	209.04	211.04	2.00	3	2	8	101	5	2	20	4	3	.46	2	4	.31	.01	3	1
68056	211.04	213.04	2.00	4	1	14	98	5	2	20	4	5	.49	3	2	.33	.01	6	1
68057	213.04	215.04	2.00	2	1	11	212	5	2	18	3	5	.38	2	2	.66	.02	3	1
68058	215.04	217.04	2.00	2	3	8	257	5	2	22	4	6	.37	2	3	.84	.03	3	1
68059	217.04	219.04	2.00	1	1	9	213	5	2	26	5	5	.45	2	2	.68	.02	5	1
68060	219.04	221.04	2.00	1	2	8	232	5	2	29	3	6	.48	2	3	.80	.03	3	1
68061	221.04	223.04	2.00	3	1	11	95	5	2	38	3	4	.60	2	3	.34	.01	2	1
68062	223.04	225.04	2.00	2	1	13	223	5	2	41	3	7	.68	2	3	.81	.03	2	1
68063	225.04	225.40	.36	2	4	8	225	5	2	39	5	6	.48	3	3	.73	.03	6	1
68064	226.10	227.90	1.80	1	1	8	452	5	2	44	5	13	.65	2	2	1.64	.09	5	1
68065	229.45	231.45	2.00	1	1	10	432	5	2	57	2	14	.73	2	2	1.54	.08	6	1
68066	231.45	233.45	2.00	4	1	10	334	5	2	64	4	10	.81	3	1	1.41	.05	3	1
68067	233.45	234.00	.55	5	1	8	721	5	2	63	2	23	.86	2	1	2.81	.11	4	1
68068	234.00	235.30	1.30	5	1	36	240	5	2	35	7	23	.58	2	3	.86	.04	5	1
68070	237.80	238.75	.95	1	1	12	598	5	2	23	2	76	.30	2	4	2.76	.10	2	1
68071	238.80	240.80	2.00	1	1	13	484	5	2	21	3	78	.29	2	4	2.39	.12	3	1
68072	240.80	242.80	2.00	2	3	13	437	5	2	15	3	87	.27	2	4	2.66	.14	2	1
68073	242.80	244.80	2.00	2	1	19	473	5	2	19	5	90	.32	2	3	2.86	.13	2	1
68074	244.80	246.80	2.00	1	1	13	456	5	2	21	3	107	.37	2	4	3.11	.15	2	1
68075	246.80	248.80	2.00	2	2	15	464	5	2	23	6	102	.43	2	3	2.94	.15	2	1
68076	248.80	250.80	2.00	2	8	13	539	5	2	29	2	101	.55	2	12	3.20	.16	2	1
68077	251.95	253.95	2.00	3	8	9	539	5	2	34	2	79	.66	2	16	3.77	.12	2	1
68078	253.95	255.95	2.00	5	3	10	440	5	2	24	6	69	.40	2	3	2.32	.13	2	1
68079	255.90	257.90	2.00	2	41	18	321	5	2	59	4	52	.64	2	90	1.86	.07	2	1
68080	257.90	258.63	.73	1	13	15	282	5	2	85	2	56	.61	2	15	1.53	.08	2	1

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68081	260.15	262.15	2.00	1	68	20	268	5	2	84	2	56	.66	2	143	1.92	.05	2	1
68082	262.15	263.40	1.25	1	5	14	287	5	2	92	2	63	1.02	2	5	1.42	.09	2	1
68083	274.10	276.10	2.00	2	5	13	651	5	2	34	2	92	.34	2	4	2.90	.17	4	1
68084	276.10	278.10	2.00	3	3	12	1334	5	2	157	3	78	1.31	2	2	4.78	.14	2	1
68085	278.10	280.10	2.00	13	4	16	994	5	2	177	2	100	1.60	2	3	3.98	.14	2	1
68086	280.10	281.33	1.23	1	30	23	830	5	2	86	2	177	.56	2	38	3.79	.17	2	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-47

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	2.44	2.44	1.73	70.90%	0.73	29.92%
2.44	5.79	3.35	3.35	100.00%	2.38	71.04%
5.79	8.23	2.44	2.29	93.85%	1.02	41.80%
8.23	9.30	1.07	1.07	100.00%	0.76	71.03%
9.30	12.34	3.04	2.95	97.04%	2.09	68.75%
12.34	15.54	3.20	3.09	96.56%	0.84	26.25%
15.54	17.98	2.44	2.19	89.75%	1.58	64.75%
17.98	20.12	2.14	2.06	96.26%	0.00	0.00%
20.12	21.03	0.91	0.91	100.00%	0.12	13.19%
21.03	24.08	3.05	3.00	98.36%	0.45	14.75%
24.08	27.13	3.05	2.95	96.72%	0.23	7.54%
27.13	29.57	2.44	0.60	24.59%	0.00	0.00%
29.57	30.63	1.06	0.80	75.47%	0.80	75.47%
30.63	31.70	1.07	0.69	64.49%	0.00	0.00%
31.70	32.31	0.61	0.52	85.25%	0.10	16.39%
32.31	33.22	0.91	0.47	51.65%	0.00	0.00%
33.22	36.27	3.05	0.30	9.84%	0.00	0.00%
36.27	39.32	3.05	1.27	41.64%	0.00	0.00%
39.32	42.37	3.05	1.56	51.15%	0.29	9.51%
42.37	45.42	3.05	3.01	98.69%	1.67	54.75%
45.42	48.46	3.04	3.03	99.67%	2.57	84.54%
48.46	51.51	3.05	3.05	100.00%	1.49	48.85%
51.51	54.56	3.05	2.98	97.70%	1.06	34.75%
54.56	57.61	3.05	2.34	76.72%	0.96	31.48%
57.61	58.52	0.91	0.91	100.00%	0.57	62.64%
58.52	59.44	0.92	0.80	86.96%	0.61	66.30%
59.44	60.66	1.22	1.11	90.98%	0.35	28.69%
60.66	62.94	2.28	2.22	97.37%	0.94	41.23%
62.94	64.16	1.22	1.22	100.00%	1.15	94.26%
64.16	66.45	2.29	2.29	100.00%	0.48	20.96%
66.45	69.49	3.04	2.98	98.03%	1.06	34.87%
69.49	72.54	3.05	3.05	100.00%	1.05	34.43%
72.54	73.76	1.22	0.81	66.39%	0.00	0.00%
73.76	74.37	0.61	0.55	90.16%	0.00	0.00%
74.37	75.29	0.92	0.80	86.96%	0.33	35.87%
75.29	78.64	3.35	3.13	93.43%	1.85	55.22%
78.64	79.86	1.22	1.13	92.62%	0.50	40.98%
79.86	81.99	2.13	2.13	100.00%	1.33	62.44%
81.99	85.04	3.05	3.05	100.00%	1.70	55.74%
85.04	88.09	3.05	3.05	100.00%	1.91	62.62%
88.09	91.14	3.05	3.02	99.02%	1.65	54.10%
91.14	94.18	3.04	2.93	96.38%	1.59	52.30%
94.18	97.23	3.05	3.05	100.00%	1.31	42.95%
97.23	100.28	3.05	2.57	84.26%	0.12	3.93%
100.28	103.33	3.05	2.96	97.05%	1.25	40.98%
103.33	106.38	3.05	3.01	98.69%	0.52	17.05%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-47

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
106.38	109.42	3.04	2.94	96.71%	1.36	44.74%
109.42	112.47	3.05	2.93	96.07%	1.74	57.05%
112.47	115.52	3.05	3.01	98.69%	2.18	71.48%
115.52	118.57	3.05	3.03	99.34%	2.44	80.00%
118.57	121.62	3.05	2.91	95.41%	2.73	89.51%
121.62	124.66	3.04	3.01	99.01%	2.61	85.86%
124.66	127.71	3.05	3.05	100.00%	2.93	96.07%
127.71	130.76	3.05	2.93	96.07%	1.82	59.67%
130.76	133.81	3.05	3.03	99.34%	2.25	73.77%
133.81	136.86	3.05	2.95	96.72%	2.10	68.85%
136.86	139.90	3.04	3.04	100.00%	2.40	78.95%
139.90	142.65	2.75	2.07	75.27%	1.28	46.55%
142.65	145.08	2.43	2.22	91.36%	1.65	67.90%
145.08	146.91	1.83	1.83	100.00%	1.23	67.21%
146.91	149.96	3.05	3.01	98.69%	2.26	74.10%
149.96	152.10	2.14	2.14	100.00%	1.45	67.76%
152.10	155.14	3.04	2.96	97.37%	2.36	77.63%
155.14	158.19	3.05	3.05	100.00%	2.42	79.34%
158.19	161.24	3.05	3.05	100.00%	1.65	54.10%
161.24	164.29	3.05	3.05	100.00%	2.83	92.79%
164.29	167.34	3.05	3.05	100.00%	1.78	58.36%
167.34	170.38	3.04	3.04	100.00%	2.12	69.74%
170.38	173.43	3.05	2.86	93.77%	2.55	83.61%
173.43	176.48	3.05	1.32	43.28%	0.17	5.57%
176.48	179.53	3.05	3.03	99.34%	2.69	88.20%
179.53	182.58	3.05	2.98	97.70%	2.28	74.75%
182.58	185.63	3.05	3.05	100.00%	2.33	76.39%
185.63	188.67	3.04	2.90	95.39%	2.14	70.39%
188.67	191.72	3.05	3.05	100.00%	2.62	85.90%
191.72	194.77	3.05	3.05	100.00%	2.20	72.13%
194.77	197.82	3.05	2.93	96.07%	2.30	75.41%
197.82	200.86	3.04	3.04	100.00%	2.50	82.24%
200.86	203.30	2.44	2.40	98.36%	1.98	81.15%
203.30	206.35	3.05	3.05	100.00%	2.77	90.82%
206.35	209.40	3.05	3.05	100.00%	2.86	93.77%
209.40	212.45	3.05	2.95	96.72%	2.08	68.20%
212.45	215.49	3.04	2.98	98.03%	2.55	83.88%
215.49	218.54	3.05	3.03	99.34%	2.82	92.46%
218.54	221.59	3.05	3.05	100.00%	2.85	93.44%
221.59	224.64	3.05	3.05	100.00%	2.82	92.46%
224.64	226.16	1.52	1.41	92.76%	0.71	46.71%
226.16	228.30	2.14	1.80	84.11%	1.02	47.66%
228.30	229.82	1.52	1.52	100.00%	1.00	65.79%
229.82	231.34	1.52	1.52	100.00%	1.00	65.79%
231.34	234.39	3.05	2.88	94.43%	1.68	55.08%
234.39	237.44	3.05	3.01	98.69%	1.95	63.93%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-47

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
237.44	240.49	3.05	3.05	100.00%	2.41	79.02%
240.49	243.54	3.05	3.05	100.00%	2.54	83.28%
243.54	246.58	3.04	3.03	99.67%		0.00%
246.58	249.63	3.05	2.97	97.38%	2.27	74.43%
249.63	252.68	3.05	2.94	96.39%	1.03	33.77%
252.68	255.73	3.05	2.98	97.70%	1.24	40.66%
255.73	258.78	3.05	3.05	100.00%	2.24	73.44%
258.78	261.82	3.04	3.03	99.67%	1.44	47.37%
261.82	263.35	1.53	1.36	88.89%	1.27	83.01%
263.35	264.87	1.52	1.52	100.00%	0.72	47.37%
264.87	267.92	3.05	3.00	98.36%	2.56	83.93%
267.92	270.97	3.05	2.92	95.74%	2.02	66.23%
270.97	272.49	1.52	1.52	100.00%	0.67	44.08%
272.49	273.71	1.22	1.22	100.00%	0.45	36.89%
273.71	276.76	3.05	3.05	100.00%	2.33	76.39%
276.76	279.81	3.05	2.93	96.07%	1.7	55.74%
279.81	281.33	1.52	1.52	100.00%	0.86	56.58%
281.33	EOH			93.25%		57.09%

Hole No: TCU93-48
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15521.98
(metres) E: 10601.65

Azimuth: 166.1
Dip: -50.3
Length (m): 578.21
Elevation: 113.45
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu
Started: July 5, 1993
Completed: July 18, 1993
Recovery:

Date Logged: July 8 - 20, 1993
Logged By: G.L. Dawson, D. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 9:14am

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	166.1	-50.3															
3.1	166.2	-50.2	99.0	166.5	-49.2	194.8	167.3	-49.3	290.7	168.8	-48.3	386.6	169.9	-47.8	482.4	170.5	-47.2
6.2	166.3	-50.1	102.1	166.4	-49.2	197.9	167.3	-49.2	293.8	168.8	-48.3	389.6	170.0	-47.8	485.5	170.5	-47.2
9.3	166.3	-50.1	105.1	166.5	-49.2	201.0	167.3	-49.1	296.9	169.0	-48.3	392.7	170.0	-47.8	488.6	170.6	-47.2
12.4	166.4	-50.0	108.2	166.5	-49.2	204.1	167.3	-49.1	300.0	169.0	-48.3	395.8	170.0	-47.8	491.7	170.8	-47.1
15.5	166.3	-49.9	111.3	166.5	-49.2	207.2	167.3	-49.1	303.1	169.0	-48.2	398.9	170.0	-47.8	494.8	170.9	-47.1
18.5	166.4	-49.7	114.4	166.5	-49.2	210.3	167.4	-49.1	306.2	169.0	-48.2	402.0	170.0	-47.8	497.9	170.9	-47.1
21.6	166.5	-49.6	117.5	166.6	-49.2	213.4	167.6	-49.1	309.3	169.0	-48.2	405.1	170.0	-47.8	501.0	171.1	-47.0
24.7	166.6	-49.5	120.6	166.6	-49.2	216.5	167.8	-49.1	312.3	169.0	-48.2	408.2	170.0	-47.8	504.1	171.2	-46.9
27.8	166.8	-49.4	123.7	166.6	-49.2	219.6	167.8	-49.0	315.4	169.0	-48.2	411.3	170.0	-47.8	507.2	171.4	-46.8
30.9	166.8	-49.4	126.8	166.6	-49.2	222.7	168.1	-49.0	318.5	169.1	-48.2	414.4	170.0	-47.8	510.3	171.4	-46.8
34.0	166.8	-49.4	129.9	166.6	-49.3	225.8	168.2	-48.9	321.6	169.3	-48.2	417.5	170.0	-47.8	513.3	171.4	-46.8
37.1	166.8	-49.4	133.0	166.8	-49.4	228.8	168.2	-48.8	324.7	169.3	-48.1	420.6	170.0	-47.8	516.4	171.4	-46.8
40.2	166.6	-49.3	136.1	166.8	-49.4	231.9	168.2	-48.8	327.8	169.4	-48.0	423.7	170.0	-47.7	519.5	171.4	-46.8
43.3	166.5	-49.2	139.2	166.6	-49.4	235.0	168.4	-48.8	330.9	169.4	-48.0	426.8	170.0	-47.7	522.6	171.4	-46.7
46.4	166.8	-49.2	142.3	166.6	-49.5	238.1	168.4	-48.7	334.0	169.4	-47.9	429.9	170.0	-47.7	525.7	171.5	-46.6
49.5	166.8	-49.2	145.4	166.5	-49.6	241.2	168.4	-48.7	337.1	169.4	-47.9	433.0	170.0	-47.7	528.8	171.7	-46.5
52.6	166.8	-49.2	148.4	166.6	-49.6	244.3	168.4	-48.7	340.2	169.4	-47.9	436.0	170.2	-47.7	531.9	171.7	-46.5
55.7	166.8	-49.2	151.5	166.6	-49.8	247.4	168.4	-48.7	343.3	169.4	-47.9	439.1	170.2	-47.7	535.0	171.7	-46.5
58.8	166.9	-49.2	154.6	166.6	-50.0	250.5	168.4	-48.6	346.4	169.4	-47.9	442.2	170.4	-47.6	538.1	171.7	-46.4
61.8	167.0	-49.1	157.7	166.6	-50.0	253.6	168.4	-48.5	349.5	169.6	-47.9	445.3	170.4	-47.6	541.2	171.7	-46.4
64.9	167.0	-49.1	160.8	166.6	-50.0	256.7	168.4	-48.5	352.5	169.7	-47.9	448.4	170.4	-47.6	544.3	171.7	-46.4
68.0	166.9	-49.2	163.9	166.8	-49.9	259.8	168.5	-48.4	355.6	169.7	-47.9	451.5	170.4	-47.6	547.4	171.7	-46.4
71.1	166.8	-49.2	167.0	166.8	-49.9	262.9	168.5	-48.4	358.7	169.7	-47.9	454.6	170.4	-47.5	550.5	171.7	-46.4
74.2	166.5	-49.3	170.1	166.9	-49.8	266.0	168.5	-48.3	361.8	169.7	-47.9	457.7	170.4	-47.5	553.5	171.8	-46.2
77.3	166.5	-49.2	173.2	167.0	-49.7	269.0	168.5	-48.3	364.9	169.9	-47.9	460.8	170.4	-47.5	556.7	171.8	-46.2
80.4	166.5	-49.2	176.3	167.0	-49.6	272.1	168.5	-48.3	368.0	169.9	-47.9	463.9	170.4	-47.5	559.7	172.0	-46.1
83.5	166.4	-49.3	179.4	167.1	-49.5	275.2	168.5	-48.3	371.1	169.9	-47.9	467.0	170.4	-47.4	562.8	172.0	-46.1
86.6	166.4	-49.3	182.5	167.1	-49.5	278.3	168.5	-48.3	374.2	169.9	-47.9	470.1	170.4	-47.4	565.9	172.0	-46.1
89.7	166.4	-49.3	185.6	167.3	-49.4	281.4	168.5	-48.3	377.3	170.0	-47.9	473.1	170.4	-47.3	569.0	172.1	-46.1
92.8	166.4	-49.3	188.6	167.3	-49.4	284.5	168.7	-48.3	380.4	170.0	-47.9	476.2	170.5	-47.2	572.1	172.3	-46.1
95.9	166.4	-49.3	191.7	167.3	-49.4	287.6	168.7	-48.3	383.5	170.0	-47.9	479.3	170.5	-47.2			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	1.22	CASING										
1.22	8.85	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (EPIDOTIZATION) Massive, medium green, fine grained, undifferentiated mafic intrusion or flow; amphibole phyric (<2 mm) in part. Weak pervasive chlorite and epidote alteration. Minor quartz + chlorite + epidote + calcite ± actinolite ± magnetite ± chalcopyrite ± pyrite veins (<2 cm, @ moderate to steep core angles). Lower contact brecciated, weakly altered and @ 50° to CA.										
8.85	9.15	VOLCANIC SEDIMENTS; (SILICIFICATION) Laminated, pale green to brownish green, mafic tuffaceous sediments (argillite to siltstone). Moderate silicification at contacts; microfractures with epidote envelopes. Bedding @ 70-80° to CA; graded beds--right way up. Lower contact sharp @ 75° to CA.										
9.15	11.18	BASALT UNDIFFERENTIATED; (PROPYLITIC) Similar to 1.22 to 8.85 metres. Lower contact sharp and irregular.										
11.18	19.90	VOLCANIC SEDIMENTS; (SILICIFICATION) Layered, medium to dark green, mafic tuffaceous sediment, ash tuff and minor lapilli tuff; bedding @ 75° to CA. Chlorite ± pyrite ± chalcopyrite fractures (<1cm, 40-70° to CA) with thin white albite envelopes (<0.5 cm) followed by pervasive zones of grey silica. 16.00 16.02 FAULT Chlorite healed brecciated zone (2cm) @ 70° to CA. 16.15 17.98 Broken and ground core. 19.50 19.90 Broken and fractured core; calcite ± prehnite fractures @ 0-10° to CA.										
19.90	34.64	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; (PROPYLITIC) Massive, medium to dark green, feldspar (<2mm, sub-euhedral) phyric, undifferentiated mafic intrusion or flow. Vein types include: (i) randomly orientated chlorite microfractures with silica envelopes, and (ii) quartz ± albite ± calcite ± chlorite ± pyrite ± chalcopyrite ± magnetite veins (<5cm, @ 50° to CA). Lower contact altered; @ 50° to CA.										
34.64	42.00	VOLCANIC SEDIMENTS; (BIOTITIZATION) Faintly laminated, brownish black, tuffaceous argillite and mafic ash tuff; rare white to grey cherty layers. Weak biotite (brown) hornfels with some siliceous sections. Chlorite ± pyrite ± magnetite ± chalcopyrite fractures with silica and calcite envelopes. Bedding @ 70° to CA. Lower contact @ 50° to CA.										
42.00	66.50	BASALT UNDIFFERENTIATED; (SILICIFICATION) Massive, medium green, fine grained to aphanitic undifferentiated mafic intrusion or flow. Irregular brecciated silicified zones. Unit cut by										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		quartz + calcite + chlorite ± albite (?) ± tourmaline ± magnetite ± pyrite ± chalcopyrite veins. Lower contact sharp @ 70° to CA.										
66.50	68.85	BASALT ASH TUFF; (CHLORITIZATION) Massive to faintly layered, dark green to black with a maroon tinge, mafic ash tuff. Chlorite occurs as pervasive alteration of matrix and along microfractures. Layering @ 70° to CA. Lower contact sharp @ 70° to CA.										
68.85	110.85	BASALT UNDIFFERENTIATED; (PROPYLITIC) Massive, medium to dark green, propylitically altered, aphanitic to fine grained, undifferentiated mafic intrusion or flow. Brecciated intervals are silicified. Vein types include: (i) chlorite microfractures with silica envelopes, (ii) quartz + calcite veins (<5cm thick, @ 30-40° to CA) and (iii) rare magnetite + chlorite veins (<1cm thick, @ 25° to CA). Lower contact @ 40° to CA. 96.00 99.30 Broken core; chlorite fractures @ 20-30° to CA. 105.55 105.57 Calcite ± chlorite shear @ 60° to CA.										
110.85	118.32	VOLCANIC SEDIMENTS; (PROPYLITIC) Thinly layered to wispy, greyish green to black, propylitically altered mafic ash tuff and tuffaceous sediment (argillite to siltstone). Layering @ 40-50° to CA; soft sediment deformation observed locally. Lower contact @ 60° to CA. 116.80 117.96 Broken core; chlorite fractures @ 30° to CA.										
118.32	156.00	BASALT UNDIFFERENTIATED; (PROPYLITIC) Massive, medium to dark green, propylitically altered, aphanitic to fine grained, undifferentiated mafic intrusion or flow. Brecciated sections are silicified. Minor quartz ± calcite ± epidote ± chlorite ± magnetite ± pyrite veins (<3cm thick, @ 30-40° to CA). Lower contact @ 60° to CA. 123.80 123.90 BASALTIC INTRUSION; Massive, medium green, feldspar (<2mm) phyric mafic dyke. Upper and lower contact sharp @ 50-60° to CA. 134.72 135.03 FAULT Calcite ± epidote ± chlorite healed brecciated quartz vein and silicified basalt flow; breccia clasts <1cm diameter and angular.										
156.00	169.62	BASALT LAPILLI TUFF; (HEMATITE) Layered, dark green to black with a maroon tinge, mafic lapilli tuff with lesser beds of ash and dust tuff. Lapilli are wispy, <2cm long, black, aphanitic, and homolithic. Hematite occurs as fine grained disseminations and larger grains up to 1cm diameter. Layering @ 30-40° to CA. Lower contact gradational over 0.5 metres.										
169.62	177.09	DACITE LAPILLI TUFF; (SERICITIZATION) (HEMATITE) Layered, greyish green to maroon, dacite lapilli tuff; minor ash to dust										

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

tuff layers and white to maroon disrupted chert laminations. Lapilli are mainly homolithic, <2cm diameter average, interlocking in part and slightly darker in colour than the matrix. Alteration consists of weak sericite + chlorite + carbonate + hematite. Layering @ 40-50° to CA.
176.94 178.92 Chlorite + quartz + calcite + epidote vein (<3cm diameter, @ 20° to CA); silicified envelope.

177.09 211.35 DACITE FLOWS; (PROPYLITIC)
Massive, greyish green and maroon, propylitically altered, feldspar (<2mm) and quartz (<1mm) phyric dacite flow. Some white silicified or albitized sections. Vein types include (i) chlorite fractures with silica envelopes (<3cm thick, @ 20-60° to CA) and (ii) epidote fractures with silica envelopes (<1cm thick, @ 40° to CA). Lower contact flow brecciated and gradational with underlying dacite lapilli tuffs.

211.35 216.75 DACITE LAPILLI TUFF; (HEMATITE)
Layered, greyish green and maroon, dacite lapilli tuff with minor ash tuff sections; lapilli are <1cm diameter average, angular, aligned and heterolithic. Clast compositions are: (i) black aphanitic mafic volcanic, (ii) white aphanitic felsic volcanic, (iii) maroon hematitic cherty clasts, and other minor crystal and lithic fragments. Layering @ 40-50° to CA. Finely disseminated hematite throughout. Minor chlorite + epidote veins (<1cm, @ 50° to CA) with white silica + albite envelopes (<1cm). Lower contact sharp @ 70° to CA.

216.75 226.00 DACITE FLOW BRECCIA; (HEMATITE)
Massive, greenish grey and maroon, feldspar (<2mm) and quartz (<1mm) phyric dacite flow breccia. Breccia clasts are subangular to subrounded, interlocking in part, greenish grey (silicified ?) in a dark greenish maroon chloritic matrix. Minor chlorite ± epidote veins (<1cm, @ 30-40° to CA) with white silica + albite (?) envelopes (<1cm). Lower contact sharp @ 60° to CA.
222.40 223.40 BASALTIC INTRUSION; Massive, dark green to black, fine grained to aphanitic mafic intrusion. Upper contact irregular; lower contact sharp @ 40° to CA.

226.00 228.40 DACITE LAPILLI TUFF; (HEMATITE)
Layered, dark greenish maroon, dacite lapilli tuff similar to 211.35 to 216.75 metres. Finely disseminated hematite throughout. Layering @ 40-50° to CA. Lower contact @ 60° to CA.

228.40 239.35 DACITE FLOW BRECCIA; DACITE FLOWS; (HEMATITE)
Massive, mottled greenish maroon and greyish green, feldspar (<2mm) and quartz (<1mm) phyric dacite flow breccia similar to 216.75 - 226.00 metres. Chlorite ± epidote fractures (<1cm) with envelopes of grey to white silica (1cm to 10's of cm). Unit is moderately magnetic. Lower contact irregular @ approximately 80° to CA.

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
239.35	254.20	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained to aphanitic, mafic intrusion--chilled margin to feldspar phyric interval below; some lighter green silicified zones/envelopes to randomly oriented chlorite fractures. Lower contact gradational over 10 cm.										
254.20	322.00	FELDSPAR PHYRIC BASALT INTRUSION; (PROPYLITIC) Massive, medium green, propylitically altered, feldspar (<2mm) phyric, fine grained mafic intrusion (homogeneous); some silicified flow brecciated sections. Vein types are (i) chlorite ± calcite ± prehnite fractures (<3mm, @ 30° to CA) and (ii) randomly orientated chlorite microfractures with silica envelopes (<1cm). Gradational lower contact over 10 metres.										
322.00	385.90	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained to aphanitic, mafic intrusion--chilled margin to feldspar phyric interval above. Vein types include (i) minor chlorite ± actinolite ± magnetite ± pyrrhotite ± chalcopyrite veins (<2cm, @ 65° to CA) with silica envelopes (<3cm) and (ii) randomly orientated chlorite microfractures with silica envelopes (<2cm). Lower contact irregular and sharp @ 90° to CA.										
385.90	386.74	FELDSPAR PHYRIC DACITE FLOWS; Massive, dark grey, feldspar (<1mm) phyric dacite flow. Chlorite fractures (<5mm, @ 50° to CA) with silica + albite (?) envelopes (<2mm). Lower contact irregular @ 60° to CA.										
386.74	387.05	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, fine grained to aphanitic mafic intrusion. Lower contact is chlorite + magnetite altered (<2cm thick) and @ 60° to CA.										
387.05	389.65	FELDSPAR PHYRIC DACITE FLOWS; (PROPYLITIC) Massive, greyish green, propylitically altered, feldspar (<2mm) and quartz (<1mm) phyric dacite flow. Chlorite fractures with silica ± albite envelopes that grade into larger pervasively altered zones. Lower contact silica + chlorite altered (10cm); @ 50° to CA.										
389.65	403.30	BASALTIC INTRUSION; (PROPYLITIC) Similar to 386.74 - 387.05 metres. Vein types include (i) irregular chlorite ± actinolite veinlets (<1cm), and (ii) quartz + calcite ± prehnite fractures (<2cm, @ 30° to CA average). Lower contact sharp @ 40° to CA; chlorite + silica altered (<5cm).										
403.30	442.10	FELDSPAR PHYRIC DACITE FLOW BRECCIA; (SILICIFICATION) Massive, dark and light greenish grey, feldspar (<2mm) phyric dacite flow										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		breccia and flow; breccia clasts are rounded to subrounded, 3-20cm diameter, and selectively silica ± albite (?) altered giving the unit a mottled appearance. Chlorite + epidote + magnetite ± chalcopyrite veins with silica + albite (?) envelopes; some randomly orientated quartz stringers (<2mm). Unit is strongly magnetic. 416.36 416.44 Quartz vein @ 70-80° to CA. 416.92 417.06 Quartz vein @ 50° to CA. 424.70 424.75 BASALTIC INTRUSION; Massive, dark green to black, aphanitic mafic dyke. Upper and lower contact sharp @ 60° to CA.										
442.10	443.10	DACITE LAPILLI TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Layered, dark greenish grey to black, chlorite altered dacite lapilli tuff. Lapilli are <5cm diameter, subrounded, aligned and mainly grey feldspar (<2mm) phyric dacite. Matrix is darker green to black, chlorite altered, feldspar (<2mm) rich ash. Rare chlorite + epidote veinlets (<4mm) with silica ± albite envelopes (<3mm). Layering @ 60° to CA. Disseminated fine grained pyrite (<1%). Lower contact sharp @ 35° to CA.										
443.10	448.05	DACITE LAPILLI TUFF; (SILICIFICATION) (DISSEMINATED PYRITE) Mixed interval of layered, dark maroon and greyish green to black, feldspar (<3mm) and quartz (<1mm) phyric dacite flow breccia and derived lapilli tuff. Breccia and lapilli tuff are greyish green, silica ± albite (?) ± epidote altered, <10cm diameter, and subrounded to rounded. Matrix is dark green to black, chlorite altered ash to fine lapilli tuff. Trace disseminated fine grained pyrite. Layering @ 50° to CA. Lower contact sharp @ 45° to CA.										
448.05	449.05	DACITE FLOWS; (PROPYLITIC) Flow banded, greenish grey, feldspar (<1mm) + biotite (<1mm) phyric, aphanitic dacite flow. Flow banding (1-2mm) @ top of interval is @ 45° to CA and decreases to 15° near bottom of interval. Lower contact sharp and irregular @ approximately 70-80° to CA.										
449.05	449.82	ALTERED FACIES; (SILICIFICATION) (DISSEMINATED PYRITE) Foliated, grey chert or silica altered volcanic with weak foliation marked by wispy black chloritic partings. Disseminated fine grained pyrite (2-3%) and tan leucoxene (1%). Foliation @ 45° to CA. Lower contact irregular. 449.25 449.30 ZINC FACIES; Massive sulphides (clast) consisting of amber sphalerite (40-50%), galena (<1%), chalcopyrite (1%) in cherty matrix.	68087	449.05	449.82	.77	.55	58.64	.08	.26	.46	
449.82	452.03	DACITE LAPILLI TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Layered, grey and black, heterolithic lapilli tuff--debris flow (?). Lapilli are <5cm diameter, elongate, subrounded, and mainly silicified feldspar ± quartz phyric dacite and lesser chert; rare sulphide clasts (<3mm) consisting of pyrite and sphalerite. Disseminated fine grained	68088	449.82	452.03	2.21						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		pyrite (1%) and minor sphalerite. Layering @ 50° to CA. Lower contact gradational over 30 cm.										
452.03	453.24	ALTERED FACIES; (SILICIFICATION) (DISSEMINATED PYRITE) Mixed interval of layered (disrupted) to brecciated, greyish white chert or silica altered volcanic (70%) and greenish grey, sericite altered ash tuff (30%). Weak layering @ 70° to CA. Disseminated very fine grained pyrite (2-3%) and minor tan sphalerite. Lower contact @ 50° to CA (gradational over 10cm).	68089	452.03	453.24	1.21						
453.24	459.05	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) Mixed interval of weakly layered to massive, greenish grey, sericite + pyrite altered ash tuff (65%) and white chert or silica altered volcanic (30%)--debris flow (?). Lapilli are heterolithic, <1 - 15 cm diameter and subangular to subrounded. Chert occurs as clasts and wispy layers; faint layering @ 45° to CA. Sulphides consist of finely disseminated pyrite (3-5%), tan to brown sphalerite (1%), chalcopyrite (<1%) and galena (1%). Lower contact sharp @ 30° to CA. 453.34 453.36 Sulphide layer (@ 30° to CA) consisting of massive sphalerite (brown) and minor to trace amounts of galena, pyrite and chalcopyrite. 453.75 454.30 PYRITE FACIES; Massive, very fine grained pyrite (approximately 50%) in a silica + sericite + barite (?) matrix. 457.35 457.61 Sulphide layer (@ 0-10° to CA) consisting mainly of massive brown sphalerite and lesser galena; wavy contacts. 458.50 458.60 Similar to 457.35 - 457.61 metres. Wavy upper and lower contact @ 35° to CA.	68090 68091 68092	453.24 455.24 457.24	455.24 457.24 459.05	2.00 2.00 1.81	.55 1.20 1.65	21.60 37.03 55.55	.21 .53 .64	.37 .61 1.82	2.07 3.11 10.90	
459.05	459.70	PYRITE FACIES; Layered, dark olive green, fine grained pyrite (70%) and chlorite + sericite + silica altered ash tuff (30%). Layering @ 25° to CA. Lower contact sharp @ 25° to CA.	68093	459.05	459.70	.65						
459.70	468.40	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE) Layered, mixed unit (debris flow) of olive green sericite + pyrite altered ash tuff (40%), white chert or silica altered volcanic (45%) and sulphides (15%). Layering varies from <1cm to approximately 2cm thick @ 60-70° to CA. Chert and sericite altered tuff clasts throughout interval; clasts <5cm diameter average and wispy to subrounded. Small scale fold structures observed throughout interval. Foliation subparallel to layering in sericite altered tuff units which is cut by a weak crenulation cleavage. Sulphides consist of disseminated and layered pyrite (5-7%) and tan to brown sphalerite (2-3%) and minor galena; chalcopyrite (<1%) occurs mainly as veinlets and irregular clots with	68094 68095 68096 68097 68098	459.70 461.70 463.70 465.70 467.20	461.70 463.70 465.70 467.20 468.40	2.00 2.00 2.00 1.50 1.20	1.41 3.81 2.19 2.81 2.06	33.26 107.67 88.13 148.48 165.28	.80 1.15 .98 .96 1.34	.96 1.19 1.15 1.78 2.36	5.04 5.85 6.63 9.05 12.66	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		specularite in chert rich intervals (20cm). Sulphides increase towards bottom of interval.										
468.40	477.25	ZINC FACIES; Massive to faintly banded sulphides (40-50%), chert or silica altered volcanic (30%), barite (?) and sericite altered ash tuff (20%). Sulphides consist of amber to brown sphalerite (30%), pyrite (5%), galena (1-2%) and chalcopyrite (2-3%). Native gold occurs as <0.5mm diameter grains throughout interval. Chert and altered volcanic clasts and laminae increase towards bottom of interval. Small scale folds defined by sericite altered tuffaceous laminae and chert; layering varies from 10 - 90° to CA throughout interval, however averages ~60° to CA. 474.47 474.58 CHERT; Massive, grey chert ± barite bed; upper and lower contact @ 70° to CA. 474.95 475.00 Sericite altered ash tuff bed (olive green); upper and lower contacts irregular @ 90° to CA.	68099	468.40	469.40	1.00	2.57	329.87	3.12	5.57	29.77	
			68100	469.40	470.40	1.00	1.44	239.00	2.83	5.94	34.13	
			68101	470.40	471.40	1.00	6.45	179.68	3.90	1.01	27.58	
			68102	471.40	472.40	1.00	12.82	277.06	2.22	3.22	31.91	
			68103	472.40	473.40	1.00	6.21	181.74	2.01	5.49	22.80	
			68104	473.40	474.40	1.00	1.37	148.82	1.77	3.58	23.92	
			68105	474.40	475.40	1.00	3.12	209.51	1.00	6.89	18.25	
			68106	475.40	476.40	1.00	2.91	201.97	.82	5.71	17.31	
			68107	476.40	477.25	.85	3.57	162.88	.44	6.00	13.97	
477.25	481.30	ALTERED FACIES; (SILICIFICATION) (STRINGER CHALCOPYRITE) Faintly laminated to bedded, grey, strongly silicified ash tuff ? of uncertain composition. Interval is crosscut by stringers (<2cm) of pyrite + chalcopyrite + hematite and rare sphalerite. Layering @ 60° to CA. Lower contact sharp @ 40° to CA.	68108	477.25	479.25	2.00	2.85	85.38	.56	.38	1.92	
			68109	479.25	481.30	2.05	.86	44.92	.48	.02	.16	
481.30	482.55	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green, propylitically altered, amphibole (<2mm) phyric, fine grained mafic dyke. Feldspar crystals in matrix are clay + epidote (?) altered. Lower contact sharp @ 50° to CA; chilled margins 30-40cm from contacts.										
482.55	483.50	ALTERED FACIES; (SILICIFICATION) (STRINGER CHALCOPYRITE) Similar to 477.25 - 481.30 metres. Laminations @ 40 - 50° to CA. Lower contact sharp @ 55° to CA.										
483.50	486.77	BASALTIC INTRUSION; (PROPYLITIC) Similar to 481.30 - 482.55 metres. Lower contact chlorite + calcite shear (<5cm) @ 30° to CA.										
486.77	491.25	ALTERED FACIES; (SILICIFICATION) (STRINGER PYRITE) Massive, grey, silica ± sericite ± pyrite altered fragmental unit; protolith uncertain. Disseminated and stringer fine grained pyrite (3-5%), minor chalcopyrite and sphalerite (1-2%). Lower contact sharp @ 50° to CA.	68110	486.77	488.77	2.00						
			68111	488.77	490.77	2.00						
			68112	490.77	491.25	.48						
491.25	493.50	ALTERED FACIES; (SILICIFICATION) (STRINGER PYRITE) Faintly laminated, greyish white, silicified ash tuff (protolith uncertain); layering @ 50° to CA. Disseminated and veins (<1cm) of pyrite, minor chalcopyrite, and sphalerite. Lower contact sharp @ 40° to	68113	491.25	493.50	2.25						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		CA.										
493.50	493.80	PYRITE FACIES; Layered, fine grained pyrite (50%) in a silica rich matrix; disseminated fine grained chalcopyrite. Lower contact sharp @ 40° to CA.	68114	493.50	493.80	.30	2.64	40.81	.89	.33	3.21	
493.80	494.50	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) Layered sericite altered ash tuff (30%), chert (30%), sulphides (25%) and barite (?). Layering @ 50° to CA. Sulphides consist of pyrite (15-20%), chalcopyrite (20%), sphalerite (1-2%). Lower contact sharp @ 50° to CA.	68115	493.80	494.50	.70	1.82	65.49	1.71	.56	3.20	
494.50	495.30	PYRITE FACIES; (MASSIVE PYRITE) Massive, fine grained pyrite (60-70%) in silica + barite rich matrix. Lower contact sharp @ 60° to CA.	68116	494.50	495.30	.80						
495.30	497.30	PYRITE FACIES; (BANDED PYRITE) (DISSEMINATED SPHALERITE) Banded interval of pyrite, barite, sericite altered ash tuff, chert and sphalerite (brown). Approximately 25-30% pyrite, 2-3% sphalerite and minor chalcopyrite. Layering @ 35° to CA. Lower contact gradational over 10cm.	68117 68118	495.30 496.30	496.30 497.30	1.00 1.00	1.92 .79	72.01 11.32	.80 .48	1.12 .07	12.70 2.32	
497.30	500.65	COPPER FACIES; (BANDED PYRITE) (STRINGER CHALCOPYRITE) Faintly banded to massive, heavy disseminated pyrite (20-25%), disseminated and stringer chalcopyrite (5%), and minor sphalerite in a siliceous matrix. Lower contact sharp @ 40° to CA.	68119 68120 68121	497.30 498.30 499.30	498.30 499.30 500.65	1.00 1.00 1.35	1.54 .86 .55	36.69 23.32 11.66	2.69 1.73 1.38	.04 .11 .04	.54 .44 .23	
500.65	503.05	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) Laminated (<1cm), greenish gray sericite + pyrite altered ash tuff (55%) and grey-white chert or silica altered volcanic (40%). Disseminated and banded fine grained pyrite (5%) and brown sphalerite (1%). Small scale folds observed throughout interval; axial planes @ 70° to CA. Sericitic intervals weakly foliated.	68122	500.65	503.05	2.40	.27	6.52	.26	.04	1.21	
503.05	503.53	FAULT Sheared and broken core consisting of sericite + pyrite altered ash tuff and quartz. Shear planes @ 30 degrees to CA; minor gouge (<5 mm) on shear surfaces.	68123	503.05	503.53	.48						
503.53	513.90	ALTERED FACIES; (SERICITIZATION) (SILICIFICATION) (DISSEMINATED PYRITE) Mixed interval of weakly foliated sericite + silica + pyrite altered ash and lapilli tuff; protolith uncertain. Lapilli are subangular, <3 cm diameter average and appear to be mainly homolithic. Some clasts range up to 10 cm diameter. Pervasive sericite alteration cut by silica veinlets (<1cm) and irregular zones of silica flooding. Pyrite (7-10%) occurs as pervasive fine grained disseminations, layers (<5mm) parallel to	68124 68125 68126 68127 68128	503.53 505.53 507.53 509.53 511.53	505.53 507.53 509.53 511.53 513.90	2.00 2.00 2.00 2.00 2.37	 3.33 3.67	 15.09 11.66	 .01 .02	 .08 .13	 .14 .40	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		foliation, and as irregular wispy veinlets (<2mm). Minor disseminated brown sphalerite (1%). Foliation and layering varies throughout interval but averages 50° to CA. Lower contact sharp @ 25° to CA.										
		511.75 512.30 Foliated, bleached white, sericite + silica + pyrite altered, quartz amygdaloidal mafic flow clast. Amygdules are <1cm long and stretched parallel to foliation @ 15° to CA. At 511.80 to 511.90 silica filled veinlet (<4mm) displays right lateral displacement along foliation.										
513.90	520.60	BASALT LAPILLI TUFF; (SERICITIZATION) (DISSEMINATED PYRITE) Faintly layered, whitish grey to olive green, sericite + silica + pyrite altered mafic lapilli tuff (?). Lapilli are whitish grey sericite altered, <1cm diameter average, angular to subangular (cuspate), clast supported and in part interlocking--aquagene tuff (?). Matrix is olive green, silica + pyrite altered. Faint layering @ 35° to CA. Disseminated very fine grained pyrite (3-5%) mainly confined to the matrix. Lower contact gradational over 1.0 metre.	68129	513.90	515.90	2.00					
			68130	515.90	517.90	2.00					
520.60	523.58	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (DISSEMINATED PYRITE) Faintly foliated and laminated, olive grey, sericite ± silica + chlorite + pyrite altered mafic ash tuff (?). Foliation @ 40° to CA. Some lapilli (<6cm diameter) of sericite + pyrite ± chlorite altered quartz amygdaloidal (<4mm) mafic volcanic. Pervasive sericite + chlorite + pyrite altered with irregular silica altered zones. Disseminated, layers and stringers very fine grained pyrite (7-10%). Minor dark brown clots (<5mm) of sphalerite. Lower contact sharp @ 90° to CA.										
523.58	524.00	BASALTIC INTRUSION; (CHLORITIZATION) Massive, dark green, chloritic, fine grained to aphanitic mafic dyke; disseminated fine to medium grained pyrite (2%) at upper contact (6cm). Quartz ± chlorite veinlet (1cm); folded. Lower contact sharp @ 70° to CA.										
524.00	527.88	AMYGDALOIDAL BASALT FRAGMENTAL; (SILICIFICATION) (DISSEMINATED PYRITE) Massive, grey and white, silica and pyrite ± sericite altered mafic tuff; some quartz amygdaloidal (<3mm) mafic flow clasts. Silica occurs as veinlets (<5mm) and as irregular pervasively altered zones with some areas of mainly sericite alteration. Pyrite (4-5%) occurs as very fine-grained disseminations and stringers. Lower contact sharp @ 40° to CA.										
527.88	528.45	BASALTIC INTRUSION; (CHLORITIZATION) Massive, dark green to black, fine grained to aphanitic mafic dyke; feldspar (<2mm) phyric in part. Chloritic fractures (<5mm, @ 50° to CA) with silica envelopes (1cm). Lower contact sharp @ 55° to CA.										
528.45	533.70	AMYGDALOIDAL BASALT FLOW BRECCIA; (SILICIFICATION) (DISSEMINATED PYRITE) Massive, light and dark grey, silica ± sericite + pyrite altered quartz										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		amygdaloidal (1-3mm diameter) mafic breccia; breccia clasts are <1 cm to 5 cm diameter, angular, interlocking and homolithic. Pervasive silica flooding of matrix and as veinlets (<1mm) throughout interval. Disseminated and stringer very fine grained pyrite (5-7%). Lower contact gradational.										
533.70	557.30	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (CORDIERITE) (DISSEMINATED PYRITE) Massive, medium to dark grey, moderate silica + pyrite altered basalt flow; uniform in texture and colour with 1-2% white quartz-filled amygdules (1cm diameter, round to elongated). Fine grained, greyish cordierite (1-2mm, 10-20%) replacing quartz filled amygdules (?). Disseminated and rare veinlets of fine grained pyrite (3-5%).										
557.30	558.20	BASALTIC INTRUSION; Black, fine-grained basaltic dyke, sharp contacts (broken in core); approx. 1% disseminated pyrite in rare, narrow veinlets; moderately magnetic.										
558.20	567.85	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (DISSEMINATED PYRITE) Light to dark grey, weak to strong sericite altered basaltic(?) tuff; dominantly ash and lapilli-sized fragments with approximately 20% large, sub-rounded, vesicular breccia-sized blocks. Disseminated fine to coarse grained pyrite (3-5%) often concentrated within chlorite veins (1-3cm thick).										
567.85	578.21	AMYGDALOIDAL BASALT FRAGMENTAL; (SILICIFICATION) (DISSEMINATED PYRITE) Dark grey basalt lapilli tuff; lapilli to breccia size clasts contain quartz + pyrite amygdules. Voids between fragments is filled by white silica. Disseminated fine grained pyrite (5%) locally concentrated in irregular masses; rare rounded sulphide clasts (up to 2cm). Light grey fragments (≈20%) may be dacite in composition.										
578.21		EOH										

Hole No: TCU93-48
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15521.98
(metres) E: 10601.65

Azimuth: 166.1
Dip: -50.3
Length (m): 578.21
Elevation: 113.45
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu
Started: July 5, 1993
Completed: July 18, 1993
Recovery:

Date Logged: July 8 - 20, 1993
Logged By: G.L. Dawson, D. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
9:14am

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68087	449.05	449.82	.77		.55	58.64	.08	.26	.46	350	59.5	756	2083	3766	2.14	17	17	18	137
68088	449.82	452.03	2.21							210	9.2	563	995	4810	2.57	20	21	7	99
68089	452.03	453.24	1.21							17	2.9	154	139	1929	1.33	19	7	16	144
68090	453.24	455.24	2.00	2.93	.55	21.60	.21	.37	2.07	330	20.3	2002	3217	15654	5.38	103	87	155	206
68091	455.24	457.24	2.00	3.01	1.20	37.03	.53	.61	3.11	1790	32.5	4808	5112	22167	5.58	17	109	13	144
68092	457.24	459.05	1.81	3.20	1.65	55.55	.64	1.82	10.90	1050	52.9	5907	14814	61074	4.08	37	428	25	171
68093	459.05	459.70	.65	3.59						140	12.1	1258	1810	2496	16.07	37	11	15	56
68094	459.70	461.70	2.00	3.01	1.41	33.26	.80	.96	5.04	1160	30.0	7049	7476	31659	5.88	25	191	36	115
68095	461.70	463.70	2.00	3.15	3.81	107.67	1.15	1.19	5.85	2450	89.1	10471	9703	38508	5.22	346	223	426	126
68096	463.70	465.70	2.00	3.15	2.19	88.13	.98	1.15	6.63	1830	77.0	8975	10040	43985	5.64	406	267	408	98
68097	465.70	467.20	1.50	3.28	2.81	148.48	.96	1.78	9.05	1920	109.6	8607	16811	56632	6.01	1207	420	753	96
68098	467.20	468.40	1.20	3.40	2.06	165.28	1.34	2.36	12.66	940	114.9	12182	26255	74480	6.87	1476	701	553	89
68099	468.40	469.40	1.00	4.09	2.57	329.87	3.12	5.57	29.77	2350	147.4	23843	38887	99999	8.57	1471	1743	898	140
68100	469.40	470.40	1.00	4.11	1.44	239.00	2.83	5.94	34.13	1870	156.6	28494	32822	99999	4.23	1715	1727	867	135
68101	470.40	471.40	1.00	4.09	6.45	179.68	3.90	1.01	27.58	4530	116.1	31652	9408	99999	15.54	4199	1291	1462	178
68102	471.40	472.40	1.00	4.03	12.82	277.06	2.22	3.22	31.91	3560	249.2	16616	31777	99999	7.27	1726	1674	1136	104
68103	472.40	473.40	1.00	4.11	6.21	181.74	2.01	5.49	22.80	4170	119.7	15040	35346	99999	6.32	2504	1027	1654	143
68104	473.40	474.40	1.00	3.97	1.37	148.82	1.77	3.58	23.92	480	74.6	10339	27374	99999	5.90	1402	962	904	107
68105	474.40	475.40	1.00	3.95	3.12	209.51	1.00	6.89	18.25	1850	92.3	6203	33730	99999	3.77	892	687	360	59
68106	475.40	476.40	1.00	3.84	2.91	201.97	.82	5.71	17.31	3650	109.2	5587	25719	99999	9.41	656	671	205	57
68107	476.40	477.25	.85	3.61	3.57	162.88	.44	6.00	13.97	1940	99.4	3161	34883	97594	3.13	354	515	198	92
68108	477.25	479.25	2.00	2.93	2.85	85.38	.56	.38	1.92	3010	73.1	4910	3682	12575	5.24	389	77	107	37
68109	479.25	481.30	2.05		.86	44.92	.48	.02	.16	1190	40.8	4431	154	1324	2.71	385	8	118	34
68110	486.77	488.77	2.00							310	7.3	6461	414	669	4.66	84	4	20	27
68111	488.77	490.77	2.00							300	5.9	2179	102	319	4.64	389	2	86	20
68112	490.77	491.25	.48							420	5.2	787	120	391	6.21	331	2	44	19
68113	491.25	493.50	2.25							270	9.7	2416	99	423	4.19	332	3	99	18
68114	493.50	493.80	.30		2.64	40.81	.89	.33	3.21	910	34.3	7711	2644	23654	15.31	584	121	127	28
68115	493.80	494.50	.70		1.82	65.49	1.71	.56	3.20	1220	47.1	13901	4384	22359	10.35	1333	107	208	70
68116	494.50	495.30	.80							140	12.8	2756	236	544	15.98	328	3	47	152
68117	495.30	496.30	1.00		1.92	72.01	.80	1.12	12.70	1810	36.4	4221	8496	86822	9.65	1200	430	119	60

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68118	496.30	497.30	1.00		.79	11.32	.48	.07	2.32	380	8.3	4012	419	14776	15.21	469	73	30	41
68119	497.30	498.30	1.00		1.54	36.69	2.69	.04	.54	1340	27.1	23509	269	3952	15.44	891	23	124	18
68120	498.30	499.30	1.00		.86	23.32	1.73	.11	.44	300	18.0	14958	701	2976	16.65	760	15	70	9
68121	499.30	500.65	1.35		.55	11.66	1.38	.04	.23	140	9.1	11683	328	1637	9.41	713	9	55	12
68122	500.65	503.05	2.40		.27	6.52	.26	.04	1.21	310	4.6	2053	346	10312	4.73	724	47	47	25
68123	503.05	503.53	.48							280	3.7	767	582	6271	4.14	245	26	38	37
68124	503.53	505.53	2.00							610	5.0	331	2542	5838	5.15	219	23	19	24
68125	505.53	507.53	2.00							420	7.2	254	4038	8260	3.90	230	33	26	24
68126	507.53	509.53	2.00		3.33	15.09	.01	.08	.14	3050	12.9	83	695	1278	6.85	131	4	31	24
68127	509.53	511.53	2.00		3.67	11.66	.02	.13	.40	3540	11.8	189	1228	3532	7.47	209	12	32	19
68128	511.53	513.90	2.37							270	2.6	225	145	3273	6.51	155	13	16	27
68129	513.90	515.90	2.00							300	5.3	1233	109	7209	10.38	574	28	32	18
68130	515.90	517.90	2.00							140	1.6	408	29	1770	4.98	233	7	16	67

Hole No: TCU93-48
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15521.98
(metres) E: 10601.65

Azimuth: 166.1
Dip: -50.3
Length (m): 578.21
Elevation: 113.45
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu
Started: July 5, 1993
Completed: July 18, 1993
Recovery:

Date Logged: July 8 - 20, 1993
Logged By: G.L. Dawson, D. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
9:12am

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68087	449.05	449.82	.77	6	4	5	203	8	4	27	2	7	.37	3	7	.57	.04	4	1
68088	449.82	452.03	2.21	3	3	4	225	5	5	25	3	4	.30	6	5	.88	.06	3	1
68089	452.03	453.24	1.21	3	2	3	48	5	3	59	2	2	.27	5	5	.24	.01	4	1
68090	453.24	455.24	2.00	6	4	4	40	5	3	24	2	2	.27	4	6	.22	.01	7	2
68091	455.24	457.24	2.00	5	6	4	76	14	4	31	2	2	.34	3	1	.38	.02	4	3
68092	457.24	459.05	1.81	6	4	6	271	5	2	41	2	4	1.17	2	1	.56	.02	4	3
68093	459.05	459.70	.65	4	4	1	52	5	2	13	2	2	.08	2	14	.44	.02	2	1
68094	459.70	461.70	2.00	7	6	3	123	5	2	28	2	2	.28	2	1	.42	.02	2	3
68095	461.70	463.70	2.00	7	5	2	93	5	2	39	5	2	.30	2	1	.28	.01	3	2
68096	463.70	465.70	2.00	9	6	2	85	9	2	34	3	2	.21	2	1	.24	.01	2	2
68097	465.70	467.20	1.50	7	5	2	32	5	2	32	2	2	.18	2	1	.09	.01	3	3
68098	467.20	468.40	1.20	10	6	1	49	15	3	30	2	2	.21	2	1	.04	.01	2	2
68099	468.40	469.40	1.00	11	5	1	72	5	2	29	2	2	.08	2	1	.01	.01	2	1
68100	469.40	470.40	1.00	9	3	1	88	5	2	46	19	2	.07	2	1	.01	.01	3	2
68101	470.40	471.40	1.00	13	8	1	8	5	2	15	2	2	.03	2	1	.01	.01	2	1
68102	471.40	472.40	1.00	21	6	1	48	5	2	26	6	2	.04	2	1	.01	.01	3	2
68103	472.40	473.40	1.00	4	7	1	42	8	2	32	2	2	.10	2	1	.01	.01	5	1
68104	473.40	474.40	1.00	5	6	1	38	5	2	23	2	2	.09	2	28	.01	.01	5	1
68105	474.40	475.40	1.00	5	6	1	32	5	2	25	2	2	.08	2	77	.02	.01	4	2
68106	475.40	476.40	1.00	10	4	1	2	5	2	11	2	2	.07	2	12	.02	.01	2	3
68107	476.40	477.25	.85	8	5	1	34	16	3	25	2	2	.12	2	2	.04	.01	4	2
68108	477.25	479.25	2.00	10	8	3	20	5	2	32	5	2	.04	2	13	.01	.01	4	1
68109	479.25	481.30	2.05	6	6	4	41	5	2	17	4	2	.10	4	6	.03	.01	3	1
68110	486.77	488.77	2.00	15	27	7	54	5	2	13	7	7	.31	4	47	.45	.02	4	1
68111	488.77	490.77	2.00	17	11	8	19	5	2	3	2	2	.09	3	22	.04	.01	4	1
68112	490.77	491.25	.48	7	17	18	2	5	2	2	7	3	.04	4	4	.02	.01	4	1
68113	491.25	493.50	2.25	8	6	3	20	5	2	3	6	2	.04	2	8	.01	.01	4	1
68114	493.50	493.80	.30	6	7	1	2	5	2	6	2	2	.06	2	14	.03	.01	2	2
68115	493.80	494.50	.70	8	19	3	46	15	5	13	2	2	.25	2	2	.04	.01	2	2
68116	494.50	495.30	.80	3	4	1	2	5	2	16	5	2	.03	2	4	.03	.01	2	1
68117	495.30	496.30	1.00	6	14	5	87	5	2	9	2	3	.29	2	18	.07	.01	2	3
68118	496.30	497.30	1.00	4	10	8	13	5	2	4	2	3	.17	2	1	.11	.01	2	2

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68119	497.30	498.30	1.00	9	12	9	2	9	2	5	2	4	.06	2	8	.03	.01	2	1
68120	498.30	499.30	1.00	19	10	7	2	5	2	4	2	2	.07	2	18	.04	.01	2	1
68121	499.30	500.65	1.35	12	4	1	10	5	2	3	2	2	.06	3	5	.03	.01	2	1
68122	500.65	503.05	2.40	4	3	1	40	5	2	4	2	2	.07	6	22	.03	.01	4	1
68123	503.05	503.53	.48	1	2	1	58	5	2	7	3	2	.18	7	12	.07	.01	4	1
68124	503.53	505.53	2.00	2	2	1	74	5	2	7	2	2	.19	4	12	.07	.01	4	1
68125	505.53	507.53	2.00	3	3	2	78	5	2	21	3	2	.19	5	19	.04	.01	4	1
68126	507.53	509.53	2.00	2	8	2	94	9	2	31	2	2	.29	2	4	.05	.01	3	1
68127	509.53	511.53	2.00	4	9	3	60	5	2	6	6	2	.16	4	9	.05	.01	3	1
68128	511.53	513.90	2.37	2	5	7	89	5	2	8	3	2	.32	4	13	.06	.01	5	1
68129	513.90	515.90	2.00	3	1	6	65	5	2	6	2	2	.29	3	15	.05	.01	2	1
68130	515.90	517.90	2.00	1	1	13	106	5	2	17	3	4	.55	6	5	.13	.01	6	1

GEOTECHNICAL RECORD

TULSEQUAH CHIEF — ROCK QUALITY DETERMINATIONS

TCU93-48

Note: all units in metres.

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	2.44	2.44	1.95	79.92%	1.00	40.98%
2.44	3.35	0.91	0.91	100.00%	0.71	78.02%
3.35	5.79	2.44	2.44	100.00%	1.14	46.72%
5.79	8.23	2.44	1.53	62.70%	0.81	33.20%
8.23	10.67	2.44	2.44	100.00%	1.75	71.72%
10.67	12.80	2.13	2.06	96.71%	0.90	42.25%
12.80	13.72	0.92	0.85	92.39%	0.55	59.78%
13.72	14.33	0.61	0.61	100.00%	0.47	77.05%
14.33	16.15	1.82	1.82	100.00%	0.94	51.65%
16.15	16.92	0.77	0.51	66.23%	0.00	0.00%
16.92	17.98	1.06	0.21	19.81%	0.00	0.00%
17.98	20.27	2.29	2.11	92.14%	0.49	21.40%
20.27	22.71	2.44	2.44	100.00%	0.65	26.64%
22.71	25.76	3.05	3.05	100.00%	2.25	73.77%
25.76	26.52	0.76	0.71	93.42%	0.50	65.79%
26.52	29.57	3.05	3.05	100.00%	2.40	78.69%
29.57	32.62	3.05	3.05	100.00%	1.57	51.48%
32.62	35.66	3.04	3.04	100.00%	2.11	69.41%
35.66	37.49	1.83	1.57	85.79%	0.55	30.05%
37.49	40.54	3.05	1.73	56.72%	0.32	10.49%
40.54	43.74	3.20	3.20	100.00%	1.70	53.12%
43.74	44.81	1.07	0.96	89.72%	0.52	48.60%
44.81	47.85	3.04	3.04	100.00%	2.38	78.29%
47.85	50.91	3.06	3.01	98.37%	2.34	76.47%
50.91	53.95	3.04	3.04	100.00%	1.64	53.95%
53.95	57.00	3.05	3.05	100.00%	1.70	55.74%
57.00	60.05	3.05	3.05	100.00%	2.00	65.57%
60.05	63.10	3.05	3.05	100.00%	1.25	40.98%
63.10	66.14	3.04	3.00	98.68%	1.83	60.20%
66.14	69.19	3.05	2.85	93.44%	1.30	42.62%
69.19	72.24	3.05	3.05	100.00%	1.19	39.02%
72.24	75.29	3.05	2.68	87.87%	1.52	49.84%
75.29	78.33	3.04	3.04	100.00%	0.99	32.57%
78.33	81.38	3.05	2.93	96.07%	1.39	45.57%
81.38	84.43	3.05	2.16	70.82%	3.05	100.00%
84.43	87.48	3.05	3.05	100.00%	1.93	63.28%
87.48	90.53	3.05	3.05	100.00%	1.66	54.43%
90.53	93.57	3.04	3.00	98.68%	1.56	51.32%
93.57	96.62	3.05	3.00	98.36%	0.90	29.51%
96.62	102.72	6.10	6.10	100.00%	1.40	22.95%
102.72	105.77	3.05	3.05	100.00%	0.64	20.98%
105.77	107.59	1.82	1.82	100.00%	0.65	35.71%
107.59	110.64	3.05	3.05	100.00%	1.00	32.79%
110.64	111.86	1.22	1.15	94.26%	0.70	57.38%
111.86	114.91	3.05	3.03	99.34%	1.83	60.00%
114.91	117.20	2.29	2.29	100.00%	0.79	34.50%

GEOTECHNICAL RECORD

TULSEQUAH CHIEF — ROCK QUALITY DETERMINATIONS

TCU93-48

Note: all units in metres.

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
117.20	117.96	0.76	0.60	78.95%	0.15	19.74%
117.96	121.01	3.05	3.05	100.00%	1.16	38.03%
121.01	124.05	3.04	3.04	100.00%	1.92	63.16%
124.05	127.01	2.96	2.96	100.00%	1.88	63.51%
127.01	128.93	1.92	1.70	88.54%	0.73	38.02%
128.93	131.98	3.05	3.05	100.00%	1.59	52.13%
131.98	135.03	3.05	3.05	100.00%	1.68	55.08%
135.03	136.25	1.22	1.22	100.00%	0.19	15.57%
136.25	139.29	3.04	3.00	98.68%	1.42	46.71%
139.29	142.34	3.05	2.83	92.79%	1.45	47.54%
142.34	145.39	3.05	3.05	100.00%	2.31	75.74%
145.39	148.44	3.05	2.97	97.38%	2.29	75.08%
148.44	151.49	3.05	3.05	100.00%	2.05	67.21%
151.49	154.53	3.04	3.02	99.34%	2.35	77.30%
154.53	157.58	3.05	3.05	100.00%	1.34	43.93%
157.58	160.63	3.05	3.05	100.00%	1.88	61.64%
160.63	163.68	3.05	3.05	100.00%	1.63	53.44%
163.68	166.73	3.05	3.05	100.00%	1.44	47.21%
166.73	168.25	1.52	1.42	93.42%	0.31	20.39%
168.25	171.30	3.05	3.02	99.02%	0.53	17.38%
171.30	175.87	4.57	2.58	56.46%	1.67	36.54%
175.87	178.92	3.05	3.05	100.00%	1.47	48.20%
178.92	181.96	3.04	3.04	100.00%	1.68	55.26%
181.96	185.01	3.05	3.05	100.00%	2.21	72.46%
185.01	188.06	3.05	3.02	99.02%	2.35	77.05%
188.06	191.11	3.05	3.00	98.36%	2.21	72.46%
191.11	194.16	3.05	3.05	100.00%	1.91	62.62%
194.16	197.21	3.05	3.03	99.34%	1.93	63.28%
197.21	200.26	3.05	2.99	98.03%	2.65	86.89%
200.26	203.30	3.04	2.92	96.05%	2.41	79.28%
203.30	206.35	3.05	3.05	100.00%	2.45	80.33%
206.35	209.40	3.05	3.05	100.00%	1.81	59.34%
209.40	212.45	3.05	3.05	100.00%	1.68	55.08%
212.45	215.49	3.04	2.97	97.70%	1.61	52.96%
215.49	217.47	1.98	1.98	100.00%	1.49	75.25%
217.47	218.54	1.07	0.97	90.65%	0.88	82.24%
218.54	221.59	3.05	2.85	93.44%	2.16	70.82%
221.59	230.73	9.14	6.09	66.63%	3.68	40.26%
230.73	233.78	3.05	3.05	100.00%	2.14	70.16%
233.78	236.83	3.05	3.05	100.00%	2.40	78.69%
236.83	239.88	3.05	3.05	100.00%	2.06	67.54%
239.88	242.93	3.05	3.05	100.00%	1.97	64.59%
242.93	245.97	3.04	3.04	100.00%	1.27	41.78%
245.97	249.02	3.05	3.05	100.00%	1.65	54.10%
249.02	252.07	3.05	3.00	98.36%	1.42	46.56%
252.07	255.12	3.05	3.05	100.00%	2.36	77.38%

GEOTECHNICAL RECORD

TULSEQUAH CHIEF — ROCK QUALITY DETERMINATIONS

TCU93-48

Note: all units in metres.

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
255.12	258.17	3.05	3.00	98.36%	2.20	72.13%
258.17	261.21	3.04	3.00	98.68%	2.53	83.22%
261.21	264.26	3.05	3.05	100.00%	2.57	84.26%
264.26	267.31	3.05	2.95	96.72%	2.24	73.44%
267.31	270.36	3.05	3.05	100.00%	2.40	78.69%
270.36	273.41	3.05	3.05	100.00%	1.84	60.33%
273.41	275.54	2.13	2.13	100.00%	0.82	38.50%
275.54	278.28	2.74	2.62	95.62%	1.89	68.98%
278.28	281.33	3.05	3.05	100.00%	2.60	85.25%
281.33	282.56	1.23	1.23	100.00%	0.98	79.67%
282.56	285.60	3.04	3.04	100.00%	2.30	75.66%
285.60	288.65	3.05	3.05	100.00%	2.51	82.30%
288.65	291.69	3.04	3.04	100.00%	2.38	78.29%
291.69	294.74	3.05	3.03	99.34%	2.63	86.23%
294.74	297.79	3.05	3.05	100.00%	2.90	95.08%
297.79	300.84	3.05	3.05	100.00%	2.68	87.87%
300.84	303.89	3.05	2.91	95.41%	2.59	84.92%
303.89	306.93	3.04	3.04	100.00%	2.01	66.12%
306.93	309.98	3.05	3.05	100.00%	2.54	83.28%
309.98	313.03	3.05	3.05	100.00%	2.79	91.48%
313.03	316.08	3.05	3.05	100.00%	2.72	89.18%
316.08	319.13	3.05	3.05	100.00%	2.46	80.66%
319.13	322.17	3.04	3.03	99.67%	2.59	85.20%
322.17	325.22	3.05	3.05	100.00%	2.73	89.51%
325.22	328.27	3.05	2.96	97.05%	2.27	74.43%
328.27	331.32	3.05	3.03	99.34%	2.43	79.67%
331.32	334.36	3.04	3.04	100.00%	2.79	91.78%
334.36	337.41	3.05	3.05	100.00%	2.46	80.66%
337.41	340.46	3.05	3.03	99.34%	2.42	79.34%
340.46	341.99	1.53	1.28	83.66%	0.90	58.82%
341.99	344.12	2.13	2.13	100.00%	1.96	92.02%
344.12	346.56	2.44	2.44	100.00%	1.95	79.92%
346.56	349.61	3.05	3.03	99.34%	2.15	70.49%
349.61	352.65	3.04	2.97	97.70%	2.04	67.11%
352.65	355.70	3.05	3.05	100.00%	2.69	88.20%
355.70	358.75	3.05	3.02	99.02%	2.84	93.11%
358.75	361.80	3.05	3.03	99.34%	2.87	94.10%
361.80	364.85	3.05	3.05	100.00%	2.67	87.54%
364.85	367.89	3.04	3.04	100.00%	2.13	70.07%
367.89	370.94	3.05	3.05	100.00%	2.47	80.98%
370.94	373.99	3.05	3.05	100.00%	2.27	74.43%
373.99	377.04	3.05	3.05	100.00%	2.13	69.84%
377.04	380.09	3.05	3.05	100.00%	2.13	69.84%
380.09	383.13	3.04	3.04	100.00%	2.44	80.26%
383.13	386.18	3.05	3.05	100.00%	2.39	78.36%
386.18	389.23	3.05	3.04	99.67%	2.23	73.11%

GEOTECHNICAL RECORD

TULSEQUAH CHIEF — ROCK QUALITY DETERMINATIONS

TCU93-48

Note: all units in metres.

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
389.23	392.28	3.05	3.00	98.36%	1.72	56.39%
392.28	395.33	3.05	3.05	100.00%	2.23	73.11%
395.33	398.37	3.04	3.03	99.67%	1.58	51.97%
398.37	401.42	3.05	3.00	98.36%	1.93	63.28%
401.42	404.47	3.05	3.00	98.36%	1.70	55.74%
404.47	407.52	3.05	3.05	100.00%	1.68	55.08%
407.52	410.57	3.05	2.93	96.07%	1.77	58.03%
410.57	413.61	3.04	3.04	100.00%	2.05	67.43%
413.61	416.66	3.05	3.00	98.36%	2.37	77.70%
416.66	419.71	3.05	2.96	97.05%	2.34	76.72%
419.71	422.76	3.05	2.98	97.70%	2.33	76.39%
422.76	425.81	3.05	3.05	100.00%	2.51	82.30%
425.81	428.85	3.04	2.98	98.03%	2.35	77.30%
428.85	431.90	3.05	3.05	100.00%	2.60	85.25%
431.90	434.95	3.05	2.96	97.05%	2.48	81.31%
434.95	438.00	3.05	3.05	100.00%	2.50	81.97%
438.00	441.05	3.05	2.97	97.38%	2.43	79.67%
441.05	444.09	3.04	2.98	98.03%	2.65	87.17%
444.09	447.14	3.05	3.05	100.00%	2.67	87.54%
447.14	450.19	3.05	3.05	100.00%	2.53	82.95%
450.19	453.24	3.05	3.05	100.00%	2.63	86.23%
453.24	456.29	3.05	3.05	100.00%	2.70	88.52%
456.29	459.35	3.06	3.03	99.02%	2.70	88.24%
459.35	462.38	3.03	3.03	100.00%	2.86	94.39%
462.38	465.43	3.05	3.05	100.00%	2.81	92.13%
465.43	468.48	3.05	3.05	100.00%	2.65	86.89%
468.48	471.53	3.05	3.05	100.00%	2.34	76.72%
471.53	474.57	3.04	3.00	98.68%	2.60	85.53%
474.57	477.62	3.05	3.05	100.00%	2.71	88.85%
477.62	480.67	3.05	3.03	99.34%	2.64	86.56%
480.67	483.72	3.05	3.02	99.02%	1.75	57.38%
483.72	486.77	3.05	2.96	97.05%	2.34	76.72%
486.77	489.81	3.04	3.04	100.00%	1.23	40.46%
489.81	492.86	3.05	3.00	98.36%	2.08	68.20%
492.86	495.91	3.05	3.03	99.34%	2.27	74.43%
495.91	498.96	3.05	3.05	100.00%	2.60	85.25%
498.96	502.01	3.05	3.05	100.00%	2.84	93.11%
502.01	503.53	1.52	1.52	100.00%	0.98	64.47%
503.53	506.58	3.05	2.49	81.64%	0.52	17.05%
506.58	508.10	1.52	1.52	100.00%	0.75	49.34%
508.10	510.54	2.44	2.31	94.67%	0.95	38.93%
510.54	513.59	3.05	2.91	95.41%	2.53	82.95%
513.59	515.42	1.83	1.83	100.00%	1.70	92.90%
515.42	517.25	1.83	1.74	95.08%	1.51	82.51%
517.25	520.29	3.04	3.04	100.00%	2.80	92.11%
520.29	523.34	3.05	3.03	99.34%	2.59	84.92%

GEOTECHNICAL RECORD

TULSEQUAH CHIEF — ROCK QUALITY DETERMINATIONS

TCU93-48

Note: all units in metres.

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
523.34	526.39	3.05	3.05	100.00%	2.12	69.51%
526.39	529.44	3.05	3.05	100.00%	2.43	79.67%
529.44	532.49	3.05	3.05	100.00%	2.41	79.02%
532.49	535.53	3.04	3.04	100.00%	2.92	96.05%
535.53	538.58	3.05	3.05	100.00%	2.59	84.92%
538.58	541.63	3.05	3.05	100.00%	2.66	87.21%
541.63	544.68	3.05	3.04	99.67%	2.87	94.10%
544.68	547.73	3.05	3.05	100.00%	2.59	84.92%
547.73	550.77	3.04	2.97	97.70%	2.71	89.14%
550.77	553.82	3.05	3.05	100.00%	1.98	64.92%
553.82	556.87	3.05	3.05	100.00%	1.46	47.87%
556.87	559.92	3.05	2.87	94.10%	1.48	48.52%
559.92	562.97	3.05	2.90	95.08%	1.50	49.18%
562.97	566.01	3.04	3.04	100.00%	1.54	50.66%
566.01	569.06	3.05	3.05	100.00%	1.98	64.92%
569.06	572.11	3.05	3.04	99.67%	2.85	93.44%
572.11	575.16	3.05	3.05	100.00%	2.23	73.11%
575.16	578.21	3.05	3.01	98.69%	2.62	85.90%
578.21	EOH			97.15%		66.54%

Hole No: TCU93-49
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15189.32
(metres) E: 10734.63

Azimuth: 66.1
Dip: -71.4
Length (m): 267.31
Elevation (metres): 111.07
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Drilling Ltd.
Started: July 12, 1993
Completed: July 18, 1993
Recovery:

Date Logged: July 13-20, 1993
Logged By: G.L. Dawson/D. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 9:30am

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	66.1	-71.4															
3.1	66.1	-71.2	49.2	67.4	-71.2	95.3	68.7	-71.5	141.3	69.7	-71.7	187.4	70.0	-72.0	233.5	71.4	-72.2
6.2	66.1	-71.2	52.2	67.4	-71.2	98.3	68.7	-71.4	144.4	69.7	-71.7	190.5	70.0	-72.0	236.6	71.4	-72.2
9.2	66.1	-71.2	55.3	67.4	-71.2	101.4	68.7	-71.4	147.5	69.7	-71.8	193.6	70.0	-71.9	239.6	71.7	-72.3
12.3	66.1	-71.2	58.4	67.4	-71.3	104.5	68.7	-71.4	150.6	69.7	-71.8	196.6	70.4	-72.0	242.7	72.1	-72.4
15.4	66.1	-71.2	61.5	67.7	-71.2	107.5	68.7	-71.5	153.6	69.7	-71.9	199.7	70.7	-72.0	245.8	72.1	-72.4
18.4	66.1	-71.2	64.5	67.7	-71.2	110.6	68.7	-71.5	156.7	69.7	-72.0	202.8	70.7	-72.0	248.9	72.1	-72.4
21.5	66.1	-71.2	67.6	67.7	-71.2	113.7	69.0	-71.6	159.8	69.7	-72.0	205.9	70.7	-72.0	251.9	72.1	-72.4
24.6	66.1	-71.2	70.7	68.1	-71.3	116.8	69.0	-71.7	162.8	69.7	-72.0	208.9	70.7	-72.0	255.0	72.1	-72.4
27.6	66.4	-71.2	73.7	68.1	-71.4	119.8	69.0	-71.7	165.9	69.7	-72.0	212.0	70.7	-72.1	258.1	72.1	-72.4
30.7	66.4	-71.3	76.8	68.1	-71.5	122.9	69.0	-71.7	169.0	70.0	-72.0	215.1	71.0	-72.2	261.2	72.1	-72.3
33.8	66.4	-71.3	79.9	68.1	-71.6	126.0	69.0	-71.7	172.1	70.0	-72.0	218.1	70.7	-72.2	264.2	72.1	-72.3
36.9	66.8	-71.2	83.0	68.1	-71.5	129.1	69.4	-71.6	175.1	70.0	-72.0	221.2	70.7	-72.2	267.3	72.1	-72.3
39.9	67.1	-71.3	86.0	68.4	-71.5	132.1	69.7	-71.6	178.2	70.0	-72.0	224.3	71.0	-72.1			
43.0	67.4	-71.3	89.1	68.4	-71.6	135.2	69.7	-71.7	181.3	70.0	-72.0	227.4	71.0	-72.1			
46.1	67.4	-71.3	92.2	68.7	-71.6	138.3	69.7	-71.7	184.4	70.0	-72.0	230.4	71.0	-72.1			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.61	CASING										
.61	30.80	BASALTIC INTRUSION; (PROPYLITIC) Massive, medium to dark green, propylitically altered, fine grained mafic intrusion with minor brecciated intervals; in part feldspar (<1mm) and amphibole (<1mm) phyric. Minor chlorite ± silica ± epidote ± pyrite ± magnetite veinlets.										
30.80	42.67	FAULT (CARBONATE ALTERED) (CHLORITIZATION) Massive, greyish green, carbonate + chlorite altered mafic (?) volcanic. Chlorite ± calcite fractures (<3mm, randomly orientated); broken core										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		with minor gouge sections @ 10-20° to CA.										
42.67	51.72	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained to aphanitic mafic intrusion. Randomly orientated chlorite + calcite fractures; broken core throughout interval. Chlorite shears @ 30° to CA. Unit is moderately magnetic. Lower contact sharp @ 30° to CA. 47.55 47.80 Silica + chlorite altered brecciated mafic intrusion.										
51.72	55.70	SLOKO RHYOLITE DYKE; Massive, pinkish grey, aphanitic felsic dyke; unit is strongly fractured (chlorite) and broken (post intrusion movement on fault).										
55.70	57.30	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, fine grained to aphanitic mafic intrusion. Chlorite + calcite fractures (<3mm, @ 60-90° to CA). Lower contact broken and ground core.										
57.30	59.50	SLOKO RHYOLITE DYKE; Massive, pinkish grey, aphanitic felsic dyke. Broken and ground chlorite fractured core. Lower contact @ 5° to CA.										
59.50	60.00	BASALTIC INTRUSION; (PROPYLITIC) Similar to 55.70 - 57.30 metres.										
60.00	60.35	FAULT Broken and ground core, <1cm gouge @ 25° to CA. Interval consists of calcite + quartz cemented fault breccia. Breccia clasts are <1cm diameter, angular, interlocking, and chlorite + epidote altered mafic volcanic. Lower contact broken core.										
60.35	63.09	SLOKO RHYOLITE DYKE; Similar to 57.30 - 59.50 metres. Interval is strongly fractured and broken; chlorite fractures @ 30 - 60° to CA.										
63.09	63.90	FAULT Broken and ground core; approximately 30% recovery. Interval consists of quartz cemented fault breccia. Breccia clasts are angular to subangular, <1cm diameter and consist mainly of Sloko rhyolite dyke.										
63.90	66.60	SLOKO RHYOLITE DYKE; Similar to 57.30 - 59.50 metres. Lower contact broken and ground core.										
66.60	69.80	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained to aphanitic mafic intrusion. Chlorite ± calcite fractures (<1mm, @ 50-80° to CA). Lower contact sharp @ 30° to CA.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
69.80	79.25	SLOKO RHYOLITE DYKE; Massive to faintly flow banded, pinkish grey, biotite (<1mm, altered to chlorite) phyric aphanitic felsic dyke. Flow banding @ 40° to CA. Unit is weakly magnetic. Lower contact sharp @ 35° to CA.										
79.25	81.55	BASALTIC INTRUSION; (PROPYLITIC) Similar to 66.60 - 69.80 metres. Lower contact sharp @ 75° to CA.										
81.55	84.60	DACITE FLOWS; (HEMATITE) Massive, greyish green with maroon tinge (hematitic), aphanitic dacite (?) flow. Chlorite ± epidote veins (<5mm, @ 45° to CA average) with silica ± albite (?) envelopes (<1cm). Lower contact sharp @ 5-10° to CA.										
84.60	89.61	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained to aphanitic mafic intrusion; silicified near upper and lower contact (20cm). Lower contact sharp @ 35° to CA.										
89.61	92.60	SLOKO RHYOLITE DYKE; Massive to faintly flow banded (near contacts), greenish grey, biotite (<2mm, chlorite) ± feldspar (<1mm) phyric aphanitic felsic dyke. Black, fine grain, hard unknown mineral forms small clots (<3mm) throughout interval. Lower contact sharp @ 50° to CA.										
92.60	93.08	BASALTIC INTRUSION; (PROPYLITIC) Similar to 84.60 - 89.61 metres. Lower contact sharp @ 85° to CA.										
93.08	95.40	SLOKO RHYOLITE DYKE; Similar to 89.61-92.60 metres. Lower contact sharp @ 20° to CA. Flow banding near contacts @ 35° to CA.										
95.40	103.40	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained to mafic intrusion; some silicified sections. Minor irregular chlorite ± actinolite (?) veinlets. Lower contact sharp @ 55° to CA.										
103.40	110.40	SLOKO RHYOLITE DYKE; Similar to 89.61 - 92.60 metres. Flow banded throughout interval @ 20° to CA. Lower contact sharp @ 15° to CA.										
110.40	130.15	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained mafic intrusion; minor light green silicified intervals. Quartz ± chlorite ± epidote ± magnetite veins (<2cm, 50° to CA average).										
130.15	130.76	SLOKO RHYOLITE DYKE;										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Similar to 89.61 - 92.60 metres. Lower contact sharp @ 40° to CA.										
130.76	195.07	BASALTIC INTRUSION; (PROPYLITIC) Similar to 110.40 - 130.15 metres. Some silicified intervals. Lower contact sharp @ 30° to CA. 163.95 164.10 Chlorite + magnetite band (5cm thick @ 70° to CA) with biotite + cordierite envelope (10cm) along lower contact. 165.38 165.40 Chlorite + actinolite + magnetite ± pyrite ± chalcopyrite veinlets (<1cm) with silica envelopes. 176.10 176.30 Chlorite + actinolite + magnetite ± pyrite ± chalcopyrite veinlets (<1cm) with silica envelopes.										
195.07	195.70	SLOKO RHYOLITE DYKE; Faintly flow banded, greyish green, feldspar (<2mm) ± quartz (<1mm) phyric felsic dyke. Silica + chlorite microfractures (<1mm, @ 40° to CA average). Lower contact @ 50° to CA.										
195.70	196.30	FAULT Chlorite + calcite cemented fault breccia. Breccia clasts are angular, interlocking, <5cm diameter and comprised of bleached flow banded Sloko rhyolite dyke. Lower contact @ 50° to CA.										
196.30	196.70	AMPHIBOLE PHYRIC BASALT INTRUSION; (CARBONATE ALTERED) Massive, medium green, carbonate altered, amphibole (<2mm) phyric fine grained mafic dyke (?). Lower contact sharp @ 50° to CA.										
196.70	215.85	BASALTIC INTRUSION; (PROPYLITIC) Dark green to black, fine grained basaltic intrusion; variably weak to moderately magnetic; pervasive weak propylitic alteration dominated by chlorite ± calcite ± magnetite ± rare epidote; traces of pyrite and chalcopyrite. 199.70 200.56 Zone with minor irregular veins of magnetite, actinolite, epidote, and trace pyrite and chalcopyrite. 202.50 203.00 Zone of weak calcite + chlorite veinlets (<5mm); core is broken at low angles to CA; zero RQD. 204.00 204.80 Zone of moderate calcite + chlorite veinlets (.5-2mm wide) at low angle to core axis (10°).										
215.85	227.30	DACITE FLOW BRECCIA; Whitish to dark grey, feldspar (<1mm, subhedral, 5%) phyric dacite breccia; breccia clasts are <5mm to >10cm, rounded to sub-rounded. Chlorite fractures with white silica + albite envelopes (<1cm). Trace pyrite and reddish-brown hematite. 215.85 219.15 White to cream coloured, strong, pervasive albite altered, feldspar phyric dacite flow breccia; infrequent pale green patches (1-10cm) of soft, sericite alteration; trace pale grey rounded chert fragments up to ≈5cm diameter; interval	68131	225.30	227.30	2.00					

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		is moderately fractured with irregular chlorite veinlets.										
	223.65 227.30	Strongly fractured dacite flow breccia; chlorite ± actinolite ± calcite veinlets up to 16mm wide at variable angles to core with albitic envelopes (3cm).										
227.30	229.42	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE) Sericite altered dacite (?) ash tuff with lesser lapilli tuff (10%); alignment of clasts and pyrite banding @ 40-45° to CA. Disseminated very fine grained pyrite (10 - 15%) with rare massive pyrite intervals over 1 to 15 cm; disseminated brown sphalerite (<3%) and galena (trace). Local disharmonic folding or soft-sediment deformation.	68132	227.30	228.42	1.12	1.20	379.59	1.22	.77	5.88	
			68133	228.42	229.42	1.00	1.10	44.92	1.74	.69	9.68	
229.42	236.15	COPPER FACIES; (MASSIVE PYRITE) (DISSEMINATED SPHALERITE) Banded, very fine grained pyrite (90%), chalcopyrite (5-7%) as irregular (replacement?) masses; reddish-brown sphalerite (<2%) intermixed with chalcopyrite; rare soft white mineral (gypsum?) intermixed throughout or as irregular masses and fracture fillings. Banding at 40° to CA.; lower contact sharp at 50° to CA.	68134	229.42	230.42	1.00	2.19	90.18	6.82	.23	1.83	
			68135	230.42	231.42	1.00	2.40	73.72	4.99	.10	7.74	
			68136	231.42	232.42	1.00	3.09	90.18	8.26	.05	2.64	
			68137	232.42	233.42	1.00	2.54	111.44	10.72	.10	1.71	
			68138	233.42	234.42	1.00	1.71	69.61	4.36	.02	.23	
			68139	234.42	235.42	1.00	3.84	80.58	8.11	.13	.47	
			68140	235.42	236.15	.73	4.29	83.67	10.37	.16	1.52	
236.15	236.85	ZINC FACIES; (BANDED SPHALERITE) (BANDED CHALCOPYRITE) Banded, fine grained sphalerite (red-brown, 20%), chalcopyrite (2%), pyrite (30%), gypsum or barite (2%), and chert (2-5%); remainder of interval is dark olive green sericite altered tuffaceous sediments. Chalcopyrite is concentrated in upper 50cm of interval and as a massive zone over the bottom 20cm of the interval. Banding @ 60° to CA. Upper contact is gradational over ≈2cm; lower contact is sharp and very irregular.	68141	236.15	236.85	.70	3.87	105.61	2.84	5.55	18.66	
236.85	238.28	ALTERED EXHALITE - SULPHIDE BEARING; (SILICIFICATION) Whitish to pale green-grey, very siliceous; protolith may have been dacite flow or fragmental; interval is intensely silicified and cut by numerous quartz veinlets and stringers. Chalcopyrite (1-2%) and galena (trace) veinlets (1-2mm) throughout interval; lower 54 cm of interval has veins (<13cm) of sphalerite (30%), chalcopyrite (10%), galena (2%). Lower contact is sharp.	68142	236.85	237.74	.89						
			68143	237.74	238.28	.54	2.47	193.74	4.96	8.49	15.41	
238.28	240.79	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (BANDED PYRITE) (DISSEMINATED SPHALERITE) Layered, sericite altered dacite (?) ash and rare lapilli tuff, fine grained pyrite (30%, banded @ 30-65° to CA), whitish to grey gypsum or barite (5-10%), sphalerite (3-5%) and chalcopyrite (2-3%). Lower contact is sharp at 75° to CA.	68144	238.28	239.53	1.25	6.14	316.50	3.25	1.77	7.70	
			68145	239.53	240.79	1.26	5.21	241.06	2.53	2.29	15.19	
240.79	241.65	ALTERED FACIES; (SILICIFICATION)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Medium to dark grey, siliceous ash tuff; protolith may have been dacitic. Numerous epidote + quartz ± pyrite veinlets (1-2mm) with white albite envelopes. Lower contact is sharp @ 50° to CA.	68146	240.79	241.65	.86						
241.65	245.67	ALTERED EXHALITE - SULPHIDE BEARING; (CORDIERITE) (BANDED PYRITE) (DISSEMINATED SPHALERITE)										
		Similar to 238.28 to 240.79 metres. Strong to intense sericite (waxy olive green) altered tuff with banded fine grained pyrite (25 -30%). Wispy masses of chalcopyrite (3-5%), disseminated pale brown to tan sphalerite (3-5%), galena (<3%); whitish to grey gypsum or barite (5-10%, matrix with sulphides). Hematitic weathering haloes around some pyrite grains. Lower 45 cm of interval is massive pyrite (80%). Lower contact is sharp and irregular.	68147	241.65	242.65	1.00	4.42	213.28	1.72	2.57	13.69	
			68148	242.65	243.65	1.00	2.71	160.48	2.39	1.58	8.51	
			68149	243.65	244.65	1.00	1.54	71.67	.78	.58	4.57	
			68150	244.65	245.67	1.02	.82	19.20	.52	.04	2.56	
		244.87 244.97 Intense olive green (waxy) sericite altered interval with cordierite porphyroblasts (5%, 6-10mm diameter, brownish grey with black rims).										
245.67	250.05	VOLCANIC SEDIMENTS; (SILICIFICATION) (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE)										
		Foliated and laminated, dark grey, tuffaceous sediments (argillite to siltstone) with some grit sections. Chlorite ± quartz veinlets (<1mm) with silica envelopes. Disseminated fine grained pyrite (2%) and pale brown to tan sphalerite (1-2%). Bedding @ high angles (70°) to CA. Lower contact is sheared over bottom metre @ 30-40° to CA.	68151	245.67	247.67	2.00	.24	10.29	.17	.22	1.47	
			68152	247.67	249.00	1.33						
			68153	249.00	250.05	1.05	1.17	102.18	.60	1.31	5.92	
250.05	250.90	BASALTIC INTRUSION; Dark grey to black, fine grained to aphanitic, moderately magnetic, basaltic dyke; rare quartz-filled vesicles near top and bottom of unit. Disseminated fine grained pyrite (2%) concentrated in blebs (<1cm). Upper and lower contacts @ 25° to CA.										
250.90	267.31	DACITE FLOWS; (SILICIFICATION) Dark grey, fine grained, feldspar phyric (<1mm, 5%) dacitic flow. Chlorite ± magnetite ± quartz ± albite veins (<2cm, @ 10-20° to CA) with cream coloured albite haloes veinlets. Disseminated pyrite (<1%).										
		251.12 251.35 BASALTIC INTRUSION; Similar to 250.05 - 250.90 metres.										
		259.50 259.75 Propylitic altered zone (irregular sharp contacts) associated with chlorite + quartz + epidote + pyrite vein.										
		262.25 262.70 Similar to 259.50 - 259.75 metres.										
267.31		EOH										

Hole No: TCU93-49
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15189.32
(metres) E: 10734.63

Azimuth: 66.1
Dip: -71.4
Length (m): 267.31
Elevation: 111.07
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Drilling Ltd.
Started: July 12, 1993
Completed: July 18, 1993
Recovery:

Date Logged: July 13-20, 1993
Logged By: G.L. Dawson/D. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
9:30am

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68131	225.30	227.30	2.00	2.68							9	.1	42	34	170	1.42	8	0	2	442
68132	227.30	228.42	1.12	3.15	1.20	379.59	1.22	.77	5.88		3180	372.3	11586	6140	52899	7.41	58	208	35	90
68133	228.42	229.42	1.00	3.35	1.10	44.92	1.74	.69	9.68		970	39.6	15946	5270	87606	9.62	424	370	207	83
68134	229.42	230.42	1.00	4.34	2.19	90.18	6.82	.23	1.83		1960	74.5	67857	1692	13438	24.01	605	70	91	214
68135	230.42	231.42	1.00	4.36	2.40	73.72	4.99	.10	7.74		3260	57.1	50511	737	61088	19.16	405	292	56	138
68136	231.42	232.42	1.00	4.31	3.09	90.18	8.26	.05	2.64		2900	67.0	81749	349	22225	24.68	366	101	38	221
68137	232.42	233.42	1.00	4.33	2.54	111.44	10.72	.10	1.71		2140	80.7	98994	677	12652	26.18	449	63	29	153
68138	233.42	234.42	1.00	4.52	1.71	69.61	4.36	.02	.23		1660	63.2	45976	178	2110	21.39	600	13	55	61
68139	234.42	235.42	1.00	4.37	3.84	80.58	8.11	.13	.47		3440	75.3	84750	1086	4464	27.61	377	25	34	71
68140	235.42	236.15	.73	4.27	4.29	83.67	10.37	.16	1.52		3880	78.8	94847	1048	11284	27.07	102	56	8	247
68141	236.15	236.85	.70	3.96	3.87	105.61	2.84	5.55	18.66		4860	102.5	24653	24235	99999	14.41	271	663	119	55
68142	236.85	237.74	.89	2.65							61	3.4	1670	1063	1914	1.13	26	8	7	68
68143	237.74	238.28	.54	3.29	2.47	193.74	4.96	8.49	15.41		2100	194.0	47504	29128	99999	5.14	132	555	180	128
68144	238.28	239.53	1.25	3.76	6.14	316.50	3.25	1.77	7.70		4620	209.5	26848	14935	51799	16.21	3899	278	682	33
68145	239.53	240.79	1.26	4.00	5.21	241.06	2.53	2.29	15.19		3280	149.3	20647	18980	99999	11.99	2199	677	415	47
68146	240.79	241.65	.86	2.72							220	4.4	1426	726	1562	2.33	30	7	7	152
68147	241.65	242.65	1.00	4.05	4.42	213.28	1.72	2.57	13.69		3720	146.6	13204	21336	99999	12.41	1370	636	458	52
68148	242.65	243.65	1.00	3.66	2.71	160.48	2.39	1.58	8.51		2230	136.7	24921	11867	54195	10.72	1995	324	279	207
68149	243.65	244.65	1.00	3.32	1.54	71.67	.78	.58	4.57		1460	56.9	6258	4566	33952	9.45	972	143	155	151
68150	244.65	245.67	1.02	3.75	.82	19.20	.52	.04	2.56		510	16.7	4913	234	21787	16.39	46	86	8	227
68151	245.67	247.67	2.00	2.78	.24	10.29	.17	.22	1.47		220	12.2	1670	1892	13279	2.56	29	53	6	67
68152	247.67	249.00	1.33								140	13.2	356	801	351	3.60	111	2	32	73
68153	249.00	250.05	1.05		1.17	102.18	.60	1.31	5.92		950	82.5	4960	11245	52355	2.51	897	202	202	38

Hole No: TCU93-49
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15189.32
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Dip: -71.4
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Drill Name: Connors 12HH
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Started: July 12, 1993
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Recovery:

Date Logged: July 13-20, 1993
Logged By: G.L. Dawson/D. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
9:29am

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68131	225.30	227.30	2.00	1	3	3	294	5	3	75	2	5	.99	5	12	.75	.03	3	1
68132	227.30	228.42	1.12	13	6	33	142	5	2	65	2	3	.93	2	47	.50	.01	2	2
68133	228.42	229.42	1.00	13	5	1	82	5	2	41	2	2	.39	2	94	.29	.01	2	3
68134	229.42	230.42	1.00	2	7	1	35	5	2	18	35	2	.14	2	34	.08	.01	6	1
68135	230.42	231.42	1.00	3	6	1	51	7	2	15	7	2	.08	2	36	.03	.01	2	2
68136	231.42	232.42	1.00	4	5	1	22	5	2	21	2	2	.09	2	41	.03	.01	2	1
68137	232.42	233.42	1.00	4	5	1	29	5	2	30	2	2	.16	2	32	.03	.01	2	1
68138	233.42	234.42	1.00	2	9	1	2	5	2	24	2	2	.17	2	11	.03	.01	2	1
68139	234.42	235.42	1.00	5	9	1	43	5	2	7	71	2	.03	2	14	.03	.01	3	1
68140	235.42	236.15	.73	6	5	1	101	5	2	21	2	3	.54	2	31	.17	.01	2	1
68141	236.15	236.85	.70	11	10	1	154	5	2	27	2	5	.59	2	99	.19	.02	2	1
68142	236.85	237.74	.89	5	7	2	209	5	2	58	3	3	1.68	2	10	.13	.02	2	1
68143	237.74	238.28	.54	7	3	1	319	5	2	62	2	4	1.07	2	61	.10	.01	2	1
68144	238.28	239.53	1.25	11	10	1	16	15	2	19	2	2	.20	2	1	.04	.01	2	1
68145	239.53	240.79	1.26	29	10	1	48	13	2	24	2	2	.08	2	67	.01	.01	2	2
68146	240.79	241.65	.86	4	3	1	414	5	2	107	3	2	.19	11	17	.28	.02	2	1
68147	241.65	242.65	1.00	37	12	1	31	18	2	23	3	2	.05	2	70	.03	.01	2	2
68148	242.65	243.65	1.00	18	17	2	84	6	2	34	2	3	.22	2	1	.64	.01	2	1
68149	243.65	244.65	1.00	9	17	4	100	10	2	27	4	3	.21	2	25	.89	.01	2	1
68150	244.65	245.67	1.02	3	14	1	134	7	2	17	2	5	.21	2	52	1.65	.03	2	2
68151	245.67	247.67	2.00	4	6	4	305	5	2	77	3	13	.37	3	32	1.01	.09	3	1
68152	247.67	249.00	1.33	1	11	11	277	5	2	48	2	41	.29	3	20	1.09	.16	3	1
68153	249.00	250.05	1.05	6	6	3	110	5	2	86	2	4	.32	2	13	.37	.02	3	3

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : HOLE TCU92-49

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.61	6.10	5.49	5.34	97.27%	4.04	73.59%
6.10	9.14	3.04	2.91	95.72%	2.07	68.09%
9.14	12.19	3.05	3.05	100.00%	2.44	80.00%
12.19	15.24	3.05	3.02	99.02%	2.59	84.92%
15.24	18.29	3.05	3.05	100.00%	1.76	57.70%
18.29	21.34	3.05	2.97	97.38%	1.54	50.49%
21.34	24.38	3.04	3.04	100.00%	1.90	62.50%
24.38	27.43	3.05	3.00	98.36%	1.82	59.67%
27.43	30.48	3.05	3.05	100.00%	1.37	44.92%
30.48	33.53	3.05	2.75	90.16%	0.10	3.28%
33.53	36.58	3.05	2.47	80.98%	0.00	0.00%
36.58	39.62	3.04	2.32	76.32%	0.00	0.00%
39.62	41.15	1.53	0.04	2.61%	0.00	0.00%
41.15	42.67	1.52	0.34	22.37%	0.00	0.00%
42.67	43.43	0.76	0.47	61.84%	0.00	0.00%
43.43	44.96	1.53	1.40	91.50%	0.20	13.07%
44.96	47.40	2.44	2.08	85.25%	0.10	4.10%
47.40	49.07	1.67	1.49	89.22%	0.00	0.00%
49.07	51.82	2.75	1.73	62.91%	0.45	16.36%
51.82	53.04	1.22	0.46	37.70%	0.00	0.00%
53.04	54.25	1.21	0.62	51.24%	0.00	0.00%
54.25	54.86	0.61	0.51	83.61%	0.00	0.00%
54.86	56.08	1.22	0.69	56.56%	0.00	0.00%
56.08	57.30	1.22	1.02	83.61%	0.00	0.00%
57.30	58.52	1.22	0.39	31.97%	0.00	0.00%
58.52	60.35	1.83	1.07	58.47%	0.00	0.00%
60.35	63.09	2.74	0.33	12.04%	0.00	0.00%
63.09	64.00	0.91	0.23	25.27%	0.00	0.00%
64.00	67.06	3.06	1.04	33.99%	0.00	0.00%
67.06	70.10	3.04	2.70	88.82%	0.30	9.87%
70.10	70.71	0.61	0.61	100.00%	0.00	0.00%
70.71	71.63	0.92	0.61	66.30%	0.24	26.09%
71.63	74.68	3.05	3.05	100.00%	2.10	68.85%
74.68	75.74	1.06	1.06	100.00%	0.72	67.92%
75.74	78.03	2.29	2.02	88.21%	1.08	47.16%
78.03	78.64	0.61	0.59	96.72%	0.10	16.39%
78.64	79.25	0.61	0.33	54.10%	0.00	0.00%
79.25	82.30	3.05	3.05	100.00%	1.30	42.62%
82.30	85.34	3.04	2.96	97.37%	0.69	22.70%
85.34	87.78	2.44	2.35	96.31%	0.48	19.67%
87.78	91.44	3.66	3.51	95.90%	1.32	36.07%
91.44	94.49	3.05	2.85	93.44%	0.98	32.13%
94.49	97.54	3.05	2.64	86.56%	1.14	37.38%
97.54	100.58	3.04	3.04	100.00%	0.97	31.91%
100.58	103.63	3.05	2.93	96.07%	2.50	81.97%
103.63	106.68	3.05	3.05	100.00%	2.10	68.85%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : HOLE TCU92-49

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
106.68	109.73	3.05	3.00	98.36%	2.24	73.44%
109.73	112.78	3.05	3.05	100.00%	2.25	73.77%
112.78	115.82	3.04	3.01	99.01%	2.69	88.49%
115.82	118.87	3.05	3.05	100.00%	2.43	79.67%
118.87	121.92	3.05	3.05	100.00%	2.57	84.26%
121.92	124.97	3.05	3.05	100.00%	2.54	83.28%
124.97	128.02	3.05	2.77	90.82%	2.35	77.05%
128.02	131.06	3.04	3.04	100.00%	2.54	83.55%
131.06	134.11	3.05	3.05	100.00%	2.53	82.95%
134.11	137.16	3.05	3.05	100.00%	2.61	85.57%
137.16	140.21	3.05	3.05	100.00%	2.67	87.54%
140.21	143.26	3.05	3.05	100.00%	2.76	90.49%
143.26	146.30	3.04	2.97	97.70%	2.23	73.36%
146.30	149.35	3.05	3.01	98.69%	2.43	79.67%
149.35	152.40	3.05	3.05	100.00%	2.62	85.90%
152.40	155.45	3.05	3.00	98.36%	1.86	60.98%
155.45	158.50	3.05	3.05	100.00%	2.16	70.82%
158.50	161.54	3.04	3.04	100.00%	2.75	90.46%
161.54	164.59	3.05	3.02	99.02%	2.17	71.15%
164.59	167.64	3.05	3.05	100.00%	2.47	80.98%
167.64	170.69	3.05	3.05	100.00%	1.68	55.08%
170.69	173.74	3.05	2.85	93.44%	1.74	57.05%
173.74	176.78	3.04	3.04	100.00%	2.50	82.24%
176.78	179.83	3.05	3.03	99.34%	2.74	89.84%
179.83	182.88	3.05	3.05	100.00%	1.90	62.30%
182.88	185.93	3.05	3.03	99.34%	2.14	70.16%
185.93	188.98	3.05	2.97	97.38%	2.37	77.70%
188.98	191.40	2.42	2.42	100.00%	1.55	64.05%
191.40	194.46	3.06	3.03	99.02%	2.40	78.43%
194.46	195.07	0.61	0.50	81.97%	0.10	16.39%
195.07	198.12	3.05	3.05	100.00%	2.04	66.89%
198.12	200.56	2.44	2.44	100.00%	1.09	44.67%
200.56	203.61	3.05	3.05	100.00%	1.58	51.80%
203.61	204.52	0.91	0.73	80.22%	0.28	30.77%
204.52	207.26	2.74	2.68	97.81%	2.17	79.20%
207.26	210.31	3.05	3.05	100.00%	2.21	72.46%
210.31	213.36	3.05	3.04	99.67%	2.06	67.54%
213.36	216.41	3.05	2.92	95.74%	1.08	35.41%
216.41	219.46	3.05	3.00	98.36%	2.37	77.70%
219.46	222.50	3.04	3.06	100.66%	2.32	76.32%
222.50	225.55	3.05	2.71	88.85%	0.76	24.92%
225.55	228.14	2.59	2.47	95.37%	0.85	32.82%
228.14	228.60	0.46	0.32	69.57%	0.30	65.22%
228.60	231.65	3.05	3.00	98.36%	1.73	56.72%
231.65	234.70	3.05	3.02	99.02%	2.44	80.00%
234.70	237.74	3.04	3.04	100.00%	2.46	80.92%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : HOLE TCU92-49

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
237.74	240.79	3.05	3.01	98.69%	2.87	94.10%
240.79	243.84	3.05	3.05	100.00%	2.46	80.66%
243.84	246.89	3.05	3.04	99.67%	2.35	77.05%
246.89	249.93	3.04	2.83	93.09%	0.95	31.25%
249.93	252.98	3.05	3.00	98.36%	1.29	42.30%
252.98	256.03	3.05	3.00	98.36%	2.04	66.89%
256.03	259.08	3.05	3.05	100.00%	2.47	80.98%
259.08	260.91	1.83	1.83	100.00%	1.15	62.84%
260.91	264.11	3.20	3.02	94.38%	2.62	81.88%
EOH				92.23%		56.29%

Hole No: TCU93-50
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15228.61
(metres) E: 10763.76

Azimuth: 116.1
Dip: -39.0
Length (m): 152.40
Elevation: 111.89
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: July 19, 1993
Completed: July 21, 1993
Recovery:

Date Logged: July 22-23, 1993
Logged By: D.J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 10:08am

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	116.1	-39.0															
3.0	116.1	-39.0	30.5	116.7	-39.4	57.9	117.2	-39.7	85.3	117.9	-40.0	112.8	118.3	-40.8	140.2	118.9	-41.2
6.1	116.2	-39.0	33.5	116.7	-39.4	61.0	117.2	-39.7	88.4	118.1	-40.2	115.8	118.4	-40.8	143.3	119.0	-41.3
9.1	116.3	-39.0	36.6	116.8	-39.4	64.0	117.3	-39.7	91.4	118.1	-40.2	118.9	118.5	-40.8	146.3	119.1	-41.4
12.2	116.4	-39.1	39.6	116.8	-39.4	67.1	117.5	-39.7	94.5	118.2	-40.3	121.9	118.5	-40.8	149.4	119.1	-41.4
15.2	116.4	-39.1	42.7	116.9	-39.4	70.1	117.6	-39.7	97.5	118.3	-40.4	125.0	118.6	-40.8	152.4	119.2	-41.5
18.3	116.4	-39.2	45.7	116.9	-39.5	73.2	117.7	-39.8	100.6	118.3	-40.5	128.0	118.6	-40.9			
21.3	116.5	-39.3	48.8	117.0	-39.5	76.2	117.8	-39.8	103.6	118.3	-40.6	131.1	118.6	-41.0			
24.4	116.5	-39.3	51.8	117.1	-39.6	79.3	117.8	-39.8	106.7	118.3	-40.7	134.1	118.7	-41.0			
27.4	116.6	-39.4	54.9	117.1	-39.7	82.3	117.9	-39.9	109.7	118.3	-40.7	137.2	118.8	-41.1			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	1.22	CASING										
1.22	27.65	BASALT UNDIFFERENTIATED; Massive, dark green, fine to medium grained feldspar phyric (15-20%, euhedral, 0.5-1mm long) basaltic unit, weakly magnetic. Rare white quartz veins (1-2cm) with magnetite (2%) ± actinolite + chlorite + epidote selvages. Lower contact sharp at 55° to C.A.										
27.65	44.73	DACITE FLOW BRECCIA; Mottled, light to dark grey, fine grained feldspar (10-15%, subhedral, 0.5-1mm) phyric dacite flow breccia. Breccia fragments (25%) are round, 4cm to 7cm diameter, and mainly light greyish green feldspar phyric dacite; matrix is darker grey. Chlorite + epidote veinlets (<1cm wide) with albite selvages (0.5-2.0cm). Lower contact sharp at 70-80° to C.A.										
39.75	42.55	SLOKO RHYOLITE DYKE; Pale greyish, fine grained, feldspar (2%) phyric rhyolite dyke. Contacts are chilled and flow-banded (<1cm); upper contact sharp at 55° to core axis										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		and lower contact sharp at 70° to C.A.										
44.73	57.10	DACITE LAPILLI TUFF; (CHLORITIZATION) (HEMATITE) Dark greyish green, heterolithic dacite lapilli tuff; pervasive chlorite (moderate) alteration of fine lapilli and ash tuff matrix. Some lapilli (5%) are sub-rounded, feldspar (hematitic) phyric. Lower 1.5 metres has breccia size clasts of green feldspar phyric dacite flow. Epidote ± quartz ± albite 'patches' (≈5cm) and veinlets (<3mm). Lower contact marked by quartz veins up to 10cm wide.										
57.10	67.25	DACITE FLOW BRECCIA; (SILICIFICATION) Mottled light to dark grey with shades of green and maroon, fine grained, feldspar (10-15%, white, anhedral to euhedral, <2mm) phyric dacite flow breccia; rare grey, round quartz-eyes (<5mm). Patchy cream coloured silica + albite alteration of breccia fragments and patchy hematite alteration. White quartz veins (.5-4cm wide) ± epidote ± chlorite ± magnetite ± albite selvages. Lower contact sharp at 55° to core axis.										
67.25	82.40	BASALT UNDIFFERENTIATED; Dark green to black, fine-grained, feldspar (pale grey, anhedral to euhedral, <1mm) phyric mafic interval; moderately magnetic. Four zones 15 to 20 cm wide of quartz veining with dacitic fragments(?), chlorite, magnetite and epidote, centred at 70.20m, 72.25m, 73.95m, 80.20m. Upper and lower contacts sharp at 55° to core axis.										
82.40	103.43	DACITE FLOW BRECCIA; Mottled, light to dark grey, mixed dacitic interval consisting of feldspar phyric flow breccia (as above from 57.10 to 67.25m) and dacite lapilli tuff or debris flow (as above from 44.73 to 57.10m). Patchy pervasive whitish-grey albite zones and selvages to chlorite ± quartz veinlets (<1cm). Numerous basaltic dykes (see below). Lower 80cm of interval is chlorite altered and contains disseminated pyrite (5%) and chalcopyrite (1-2%). Lower contact is sharp at 35° to core axis.	68154	100.48	102.63	2.15						
			68155	102.63	103.43	.80	1.06	10.63	1.18	.01	.42	
		90.88 92.12 BASALTIC INTRUSION; Dark greenish grey, fine grained amphibole (?, ≈20%, 1-2mm, aligned at a high angle [70°] to core axis) phyric mafic dyke; weakly magnetic. Upper and lower contacts are chilled and sharp at 80° to core axis.										
		93.40 93.94 BASALTIC INTRUSION; Dark green to black, fine-grained, mafic dyke. Quartz + chlorite + epidote veining (20%). Upper and lower contacts sharp at 70° to core axis.										
		94.50 94.65 BASALTIC INTRUSION; Same as 93.40 to 93.94 metres; not quartz veined.										
		95.97 96.80 BASALTIC INTRUSION; Same as 93.4 to 93.94; minor quartz veins.										
		99.58 100.48 BASALTIC INTRUSION; Same as 93.40 to 93.94 metres; minor quartz veins.										
103.43	109.50	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (BANDED PYRITE)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Pale greenish grey, sericite (intense) altered lapilli tuff or debris flow containing disseminated and banded (11cm thick, @ 40-70° to CA) pyrite (15%), disseminated pale brownish-green sphalerite (3-5%), disseminated and diffuse masses (1cm) of chalcopyrite (1%) and rare chert fragments. Some small scale fold structures with axial planes at high angles (60-70°) to core axis.	68156	103.43	104.43	1.00	1.17	22.97	.62	.36	2.41	
			68157	104.43	105.43	1.00	1.20	33.95	.65	.50	3.70	
			68158	105.43	106.43	1.00	1.51	28.80	.82	.60	4.44	
			68159	106.43	107.43	1.00	1.13	36.00	.73	.75	4.30	
			68160	107.43	108.43	1.00	3.39	129.62	1.12	1.12	4.54	
			68161	108.43	109.50	1.07	1.82	55.55	.61	.55	2.58	
109.50	114.50	BASALTIC INTRUSION; Dark greenish, fine grained black mafic dyke or basaltic flow (?). Chlorite ± quartz ± epidote ± magnetite veinlets--possible pillow boundaries (?). Disseminated pyrite and chalcopyrite (trace). Sharp upper and lower contacts at 60° to core axis.	68732	109.50	111.50	2.00	.03	.34	.02	.03	.03	
			68733	111.50	113.50	2.00	.03	.34	.00	.01	.01	
			68734	113.50	114.50	1.00	.03	.34	.00	.01	.01	
114.50	115.40	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (BANDED PYRITE) (BANDED SPHALERITE) Mixed interval of chlorite + sericite schist with chert (5%) layers (top 35 cm of interval), quartz + sericite schist with massive dark grey to red brown sphalerite layer (middle 25cm), and massive pyrite (80%) layer (last 30cm). Upper and lower contacts are sharp and irregular.	68162	114.50	115.40	.90	4.01	257.86	.42	2.67	4.80	
115.40	115.95	ALTERED FACIES; Pale grey to white, siliceous interval or probably chert. Contacts are sheared and sericitic; upper contact at 60° to core axis and lower contact at 15° to core axis.	68163	115.40	115.95	.55	2.95	82.64	.19	.69	1.89	
115.95	118.60	ZINC FACIES; (SERICITIZATION) (DISSEMINATED SPHALERITE) Strong sericite altered debris flow with pale brown to yellow sphalerite (5-7%), pyrite (5-10%), and galena (<3%); white sulphate mineral (3%)--gypsum (?)-- interstitial to sericitic fragments and sphalerite.	68164	115.95	116.95	1.00	11.66	208.14	.57	2.72	9.10	
			68165	116.95	117.95	1.00	6.58	84.01	.10	3.51	6.85	
			68166	117.95	118.60	.65	3.22	83.32	.21	.48	.78	
118.60	133.25	ALTERED EXHALITE - SULPHIDE BEARING; (SILICIFICATION) (DISSEMINATED PYRITE) Mottled, light and dark grey, debris flow consisting of exhalitic chert or silica altered volcanic (40% white to light grey), pyrite (15%, disseminated, clasts or as matrix to chert fragments), sericite + pyrite altered ash tuff (25%), sulphate (5-10%, gypsum or barite), and tan to yellow sphalerite (2-4%, 2mm). Infrequent intervals (>50cm) may be entirely chert and/or sericite. Upper contact is rapid and gradational over 5cm. Lower contact is sharp at 60° to core axis.	68167	118.60	119.60	1.00	1.44	69.95	.04	.24	.51	
			68168	119.60	120.60	1.00						
			68169	120.60	121.60	1.00						
			68170	121.60	122.60	1.00						
			68171	122.60	123.60	1.00						
			68172	123.60	124.60	1.00	.17	8.23	.09	.68	1.43	
			68173	124.60	125.60	1.00						
			68174	125.60	127.25	1.65						
			68175	127.25	128.85	1.60						
			68176	128.85	130.35	1.50						
			68177	130.35	131.85	1.50						
			68178	131.85	133.25	1.40						
		127.25 128.85 (Sericitization) Cream coloured, bleached, sericite (intense) altered zone with intermixed white chert (≈30%) and pyrite (<1%). Upper and lower contacts sharp at high angle (55-70°) to C.A.										
133.25	138.25	BASALT LAPILLI TUFF; (PROPYLITIC) Dark green to black, fine basaltic lapilli tuff. Lapilli are indistinct;	68179	133.25	134.10	.85						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		matrix (≈10-15%) is chloritic with diffuse patches of magnetite (1%) intermixed with grey quartz and quartz veinlets; trace to 1% pyrite. Lower contact is faulted.										
		134.10 135.30 BASALTIC INTRUSION; Medium grey, amphibole (<1mm, anhedral to euhedral, 15-20%, chlorite altered) phyric mafic dyke. Upper and lower contacts are weakly sheared and brecciated.										
		137.55 138.25 FAULT Pale green-grey shear zone at 50° to core axis; intense sericite + chlorite ± carbonate alteration; 5% whitish quartz; trace pyrite.										
138.25	152.10	BASALT FLOW BRECCIA; (PROPYLITIC) Dark green to black, weakly silicified, basaltic flow breccia; fragments (10%) are vague, amphibole (chlorite altered) phyric basalt (non-amygdaloidal). Quartz ± epidote ± chlorite ± magnetite veins (or pillow boundaries?) up to 6cm wide; weak to strongly magnetic, trace pyrite.										
152.10		EOH										

Hole No: TCU93-50
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15228.61
(metres) E: 10763.76

Azimuth: 116.1
Dip: -39.0
Length (m): 152.40
Elevation: 111.89
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: July 19, 1993
Completed: July 21, 1993
Recovery:

Date Logged: July 22-23, 1993
Logged By: D.J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 10:08am

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68154	100.48	102.63	2.15							20	.5	47	51	218	1.50	12	1	5	516
68155	102.63	103.43	.80	2.97	1.06	10.63	1.18	.01	.42	930	9.5	9946	86	2930	11.34	51	13	2	59
68156	103.43	104.43	1.00	3.10	1.17	22.97	.62	.36	2.41	1640	22.4	5480	2670	19329	12.20	46	82	10	66
68157	104.43	105.43	1.00	3.01	1.20	33.95	.65	.50	3.70	1120	36.9	5699	3915	35274	5.67	291	142	40	50
68158	105.43	106.43	1.00	3.00	1.51	28.80	.82	.60	4.44	2070	25.6	7923	4870	42617	6.94	131	164	20	11
68159	106.43	107.43	1.00	3.01	1.13	36.00	.73	.75	4.30	940	30.0	6848	6029	40155	6.16	131	149	42	18
68160	107.43	108.43	1.00	3.17	3.39	129.62	1.12	1.12	4.54	2310	113.6	10186	8331	42097	8.53	539	148	328	16
68161	108.43	109.50	1.07	3.15	1.82	55.55	.61	.55	2.58	1740	46.9	5987	4164	21707	11.48	98	83	67	10
68732	109.50	111.50	2.00		.03	.34	.02	.03	.03		1.6	198	228	277	3.08	27	1	3	674
68733	111.50	113.50	2.00		.03	.34	.00	.01	.01		.6	32	64	108	3.35	12	1	3	631
68734	113.50	114.50	1.00		.03	.34	.00	.01	.01		.6	50	19	120	4.01	10	0	2	1018
68162	114.50	115.40	.90	3.39	4.01	257.86	.42	2.67	4.80	3670	185.0	3495	8745	44359	13.63	952	143	520	9
68163	115.40	115.95	.55	2.97	2.95	82.64	.19	.69	1.89	2270	72.3	1837	5913	16253	3.44	499	60	305	15
68164	115.95	116.95	1.00	3.36	11.66	208.14	.57	2.72	9.10	9970	141.6	4357	23519	99999	4.70	1022	332	600	11
68165	116.95	117.95	1.00	3.19	6.58	84.01	.10	3.51	6.85	4170	75.9	812	26342	76782	2.75	85	222	83	22
68166	117.95	118.60	.65	2.87	3.22	83.32	.21	.48	.78	2850	72.4	1989	4156	6921	3.36	406	21	235	18
68167	118.60	119.60	1.00	2.79	1.44	69.95	.04	.24	.51	1260	65.0	304	2145	4433	2.39	107	17	49	21
68168	119.60	120.60	1.00	2.81						257	18.6	329	2182	4952	3.76	161	20	38	14
68169	120.60	121.60	1.00							134	4.8	357	1628	7954	4.89	222	31	41	11
68170	121.60	122.60	1.00							60	2.7	263	1203	4959	2.44	124	21	29	26
68171	122.60	123.60	1.00							125	4.3	332	2355	5895	2.80	129	24	39	17
68172	123.60	124.60	1.00		.17	8.23	.09	.68	1.43	123	6.2	858	5732	11825	4.06	314	52	106	16
68173	124.60	125.60	1.00							115	6.6	569	5243	9348	5.25	244	41	66	17
68174	125.60	127.25	1.65							92	1.7	98	231	515	4.89	98	2	10	14
68175	127.25	128.85	1.60							52	.4	44	48	83	1.62	10	0	2	57
68176	128.85	130.35	1.50							96	.7	40	87	183	3.30	54	0	3	20
68177	130.35	131.85	1.50							188	3.3	504	40	845	6.24	113	4	44	16
68178	131.85	133.25	1.40							234	1.4	110	36	259	4.74	93	1	11	12
68179	133.25	134.10	.85							19	.3	55	16	139	2.83	7	0	2	259

Hole No: TCU93-50
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Re-logged By:
Report Printed: 16 Apr, 1994 10:07am

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68154	100.48	102.63	2.15	1	4	2	273	5	2	99	2	8	.79	8	8	.72	.06	2	1
68155	102.63	103.43	.80	11	3	1	387	18	3	82	2	13	2.23	2	18	2.30	.07	2	1
68156	103.43	104.43	1.00	10	7	1	261	15	2	24	2	8	.36	2	45	1.11	.05	2	1
68157	104.43	105.43	1.00	7	5	3	121	5	2	28	5	2	.34	2	50	.61	.01	2	1
68158	105.43	106.43	1.00	7	1	2	136	5	2	31	33	2	.67	2	7	.66	.01	4	6
68159	106.43	107.43	1.00	6	4	3	141	5	2	45	28	2	.79	2	1	.72	.01	2	7
68160	107.43	108.43	1.00	10	5	1	135	5	2	36	37	2	1.58	2	2	.47	.01	2	1
68161	108.43	109.50	1.07	8	13	5	178	5	2	24	32	6	1.70	2	12	.56	.01	2	8
68732	109.50	111.50	2.00	1	55	16	498	5	2	116	2	77	2.63	2	98	1.70	.12	3	1
68733	111.50	113.50	2.00	1	49	17	327	5	2	118	2	99	1.73	2	104	1.78	.16	4	1
68734	113.50	114.50	1.00	1	52	21	562	5	2	81	2	132	.86	2	129	3.53	.11	2	1
68162	114.50	115.40	.90	7	7	1	199	5	2	14	22	9	.29	2	5	1.35	.02	5	1
68163	115.40	115.95	.55	9	7	1	42	5	2	97	6	2	.18	2	6	.07	.01	2	31
68164	115.95	116.95	1.00	12	5	2	63	5	2	63	22	2	.25	2	5	.05	.01	3	2
68165	116.95	117.95	1.00	10	12	8	101	5	2	83	5	2	.54	2	1	.13	.01	5	6
68166	117.95	118.60	.65	3	7	6	125	5	2	84	12	2	.75	5	3	.10	.01	4	5
68167	118.60	119.60	1.00	4	1	4	91	5	2	62	3	2	.40	9	7	.11	.01	4	2
68168	119.60	120.60	1.00	2	4	4	66	5	2	64	2	2	.26	6	3	.07	.01	2	2
68169	120.60	121.60	1.00	2	7	3	55	5	2	39	4	3	.16	2	5	.06	.01	3	7
68170	121.60	122.60	1.00	3	4	1	71	5	2	57	2	2	.23	6	12	.09	.01	3	1
68171	122.60	123.60	1.00	3	1	1	52	5	2	57	2	2	.21	5	3	.09	.01	3	2
68172	123.60	124.60	1.00	4	4	2	73	5	2	33	4	2	.27	5	3	.13	.01	5	13
68173	124.60	125.60	1.00	6	3	1	81	5	2	21	3	2	.37	5	9	.12	.01	4	9
68174	125.60	127.25	1.65	4	6	2	56	5	2	28	2	2	.27	4	3	.05	.01	6	1
68175	127.25	128.85	1.60	2	1	1	20	5	2	5	2	2	.04	2	4	.01	.01	3	1
68176	128.85	130.35	1.50	5	7	2	70	5	2	14	2	2	.41	4	9	.05	.01	5	1
68177	130.35	131.85	1.50	4	1	1	29	5	2	5	2	2	.14	5	2	.02	.01	2	1
68178	131.85	133.25	1.40	7	7	3	91	5	2	21	2	2	.40	5	3	.14	.01	4	1
68179	133.25	134.10	.85	19	6	6	484	5	2	94	2	19	1.09	27	12	1.78	.05	3	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : HOLE TCU93-50

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
1.22	2.74	1.52	1.24	81.58%	0.68	44.74%
2.74	5.79	3.05	3.05	100.00%	2.41	79.02%
5.79	8.84	3.05	3.03	99.34%	2.26	74.10%
8.84	11.88	3.04	2.96	97.37%	2.16	71.05%
11.88	14.94	3.06	3.02	98.69%	1.97	64.38%
14.94	17.98	3.04	2.98	98.03%	2.76	90.79%
17.98	21.03	3.05	2.99	98.03%	2.75	90.16%
21.03	24.08	3.05	3.00	98.36%	2.68	87.87%
24.08	27.13	3.05	2.97	97.38%	1.74	57.05%
27.13	30.18	3.05	2.84	93.11%	2.27	74.43%
30.18	32.31	2.13	2.01	94.37%	0.92	43.19%
32.31	35.36	3.05	3.05	100.00%	2.61	85.57%
35.36	36.73	1.37	1.37	100.00%	1.20	87.59%
36.73	39.32	2.59	2.39	92.28%	1.76	67.95%
39.32	41.91	2.59	2.43	93.82%	0.52	20.08%
41.91	44.20	2.29	2.29	100.00%	1.66	72.49%
44.20	45.11	0.91	0.91	100.00%	0.56	61.54%
45.11	46.94	1.83	1.78	97.27%	1.15	62.84%
46.94	48.46	1.52	1.52	100.00%	1.34	88.16%
48.46	51.51	3.05	3.05	100.00%	2.85	93.44%
51.51	54.56	3.05	3.04	99.67%	2.44	80.00%
54.56	57.61	3.05	3.05	100.00%	2.40	78.69%
57.61	60.66	3.05	3.03	99.34%	2.40	78.69%
60.66	63.70	3.04	3.04	100.00%	2.72	89.47%
63.70	66.75	3.05	3.01	98.69%	2.41	79.02%
66.75	69.80	3.05	3.05	100.00%	2.70	88.52%
69.80	72.85	3.05	3.05	100.00%	2.06	67.54%
72.85	75.90	3.05	2.98	97.70%	2.37	77.70%
75.90	78.94	3.04	2.95	97.04%	2.43	79.93%
78.94	81.99	3.05	3.05	100.00%	2.61	85.57%
81.99	85.04	3.05	3.05	100.00%	2.52	82.62%
85.04	87.17	2.13	1.92	90.14%	1.80	84.51%
87.17	90.22	3.05	3.05	100.00%	1.77	58.03%
90.22	93.27	3.05	3.05	100.00%	2.18	71.48%
93.27	94.18	0.91	0.83	91.21%	0.74	81.32%
94.18	97.23	3.05	3.05	100.00%	1.40	45.90%
97.23	100.28	3.05	3.05	100.00%	1.76	57.70%
100.28	103.33	3.05	3.05	100.00%	1.30	42.62%
103.33	106.38	3.05	3.05	100.00%	2.70	88.52%
106.38	109.42	3.04	3.00	98.68%	2.48	81.58%
109.42	112.47	3.05	3.05	100.00%	1.75	57.38%
112.47	115.52	3.05	2.92	95.74%	0.55	18.03%
115.52	118.26	2.74	2.74	100.00%	1.34	48.91%
118.26	121.31	3.05	3.05	100.00%	2.85	93.44%
121.31	124.36	3.05	3.05	100.00%	2.58	84.59%
124.36	127.41	3.05	2.99	98.03%	2.84	93.11%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : HOLE TCU93-50

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
127.41	130.76	3.35	3.25	97.01%	2.00	59.70%
130.76	133.81	3.05	2.90	95.08%	2.22	72.79%
133.81	136.86	3.05	3.05	100.00%	1.48	48.52%
136.86	139.90	3.04	3.04	100.00%	1.49	49.01%
139.90	142.95	3.05	3.05	100.00%	2.35	77.05%
142.95	146.00	3.05	3.05	100.00%	2.40	78.69%
146.00	149.05	3.05	3.05	100.00%	2.56	83.93%
149.05	152.10	3.05	3.05	100.00%	2.99	98.03%
EOH				98.40%		72.14%

Hole No: TCU93-51
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15523.48
(metres) E: 10601.39

Azimuth: 100.6
Dip: -52.8
Length (m): 459.30
Elevation: 113.74
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: July 18,1993
Completed: July 30,1993
Recovery:

Date Logged: July 30,1993
Logged By: B. Carmichael
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 11:10am

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	100.6	-52.8															
3.2	100.6	-52.8	78.8	101.3	-52.8	154.5	102.1	-52.5	230.2	103.7	-52.7	305.9	104.2	-53.1	381.6	104.5	-53.7
6.3	100.6	-52.8	82.0	101.4	-53.0	157.7	102.3	-52.5	233.4	103.7	-52.7	309.1	104.3	-53.3	384.8	104.5	-53.7
9.5	100.6	-52.8	85.2	101.4	-53.0	160.9	102.3	-52.5	236.5	103.7	-52.7	312.2	104.3	-53.3	387.9	104.7	-53.8
12.6	100.8	-53.0	88.3	101.4	-53.0	164.0	102.3	-52.5	239.7	103.7	-52.7	315.4	104.5	-53.3	391.1	104.5	-53.7
15.8	100.8	-53.0	91.5	101.4	-53.0	167.1	102.3	-52.5	242.8	103.7	-52.7	318.5	104.5	-53.3	394.2	104.7	-53.8
18.9	100.9	-53.0	94.6	101.4	-53.0	170.3	102.3	-52.5	246.0	103.7	-52.7	321.7	104.5	-53.3	397.4	104.7	-53.8
22.1	100.9	-53.0	97.8	101.6	-53.0	173.5	102.3	-52.5	249.1	103.7	-52.7	324.8	104.5	-53.3	400.5	104.8	-54.0
25.2	100.9	-53.0	100.9	101.8	-53.0	176.6	102.3	-52.3	252.3	103.7	-52.8	328.0	104.5	-53.3	403.7	105.0	-54.0
28.4	100.9	-52.8	104.1	101.8	-53.0	179.8	102.5	-52.3	255.5	103.7	-52.8	331.1	104.5	-53.3	406.8	105.0	-54.0
31.5	100.9	-52.8	107.2	101.8	-53.0	182.9	102.5	-52.3	258.6	103.7	-52.8	334.3	104.5	-53.3	410.0	105.2	-54.0
34.7	100.9	-52.8	110.4	101.8	-53.0	186.1	102.6	-52.3	261.8	103.7	-52.8	337.5	104.5	-53.3	413.1	105.3	-54.0
37.8	100.9	-52.8	113.5	101.8	-53.0	189.2	102.8	-52.5	264.9	103.8	-52.8	340.6	104.5	-53.5	416.3	105.3	-54.0
41.0	100.9	-52.8	116.7	101.8	-53.0	192.4	102.8	-52.5	268.1	103.8	-52.8	343.8	104.5	-53.3	419.5	105.3	-54.2
44.2	100.9	-52.8	119.8	101.8	-52.8	195.5	103.0	-52.5	271.2	103.8	-52.8	346.9	104.5	-53.3	422.6	105.3	-54.2
47.3	101.1	-52.8	123.0	101.8	-52.8	198.7	103.0	-52.5	274.4	103.8	-52.8	350.1	104.5	-53.3	425.8	105.3	-54.2
50.5	101.1	-52.8	126.2	101.8	-52.8	201.9	103.0	-52.5	277.5	104.0	-52.8	353.2	104.5	-53.3	428.9	105.3	-54.2
53.6	101.1	-52.8	129.3	101.8	-52.8	205.0	103.0	-52.5	280.7	104.0	-52.8	356.4	104.5	-53.5	432.1	105.3	-54.3
56.8	101.1	-52.8	132.5	101.8	-52.8	208.1	103.1	-52.5	283.8	104.0	-52.8	359.5	104.5	-53.5	435.2	105.3	-54.3
59.9	101.3	-52.8	135.6	101.9	-52.8	211.3	103.1	-52.5	287.0	104.0	-53.0	362.7	104.5	-53.5	438.4	105.3	-54.3
63.1	101.3	-52.8	138.8	101.9	-52.8	214.5	103.3	-52.5	290.1	104.0	-53.0	365.8	104.5	-53.5	441.5	105.3	-54.3
66.2	101.3	-52.8	141.9	101.9	-52.8	217.6	103.3	-52.5	293.3	104.0	-53.0	369.0	104.5	-53.5	444.7	105.2	-54.5
69.4	101.3	-52.8	145.1	101.9	-52.8	220.8	103.3	-52.5	296.5	104.0	-53.0	372.1	104.5	-53.7	447.8	105.0	-54.5
72.5	101.3	-52.8	148.2	101.9	-52.8	223.9	103.3	-52.5	299.6	104.0	-53.0	375.3	104.5	-53.7	451.0	105.0	-54.5
75.7	101.3	-52.8	151.4	102.1	-52.7	227.1	103.5	-52.5	302.8	104.0	-53.0	378.5	104.5	-53.7	454.1	105.0	-54.5

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

.00 154.80 BASALT UNDIFFERENTIATED;
Dark greenish black massive, homogenous fine grained basalt flow. This

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		interval is extremely homogenous, except for some thin ash + lapilli tuffs and narrow sections of feldspar-phyric flows. Alteration is minimal and is restricted to narrow (<3cm) qtz.-epidote-magnetite veinlets and some silicification around minor fault and fracture zones.										
		16.50 18.10 BASALT LAPILLI TUFF; 1-2% small (<1.5cm) angular fragments occur throughout this section, including some possible dacite frags. Matrix is granular - mostly ash. A 1cm pyrite vein cuts the core at 37 degrees to C.A. Fragments are slightly elongated parallel to poorly developed bedding at 40 degrees to C.A.										
		21.70 22.00 BASALT ASH TUFF; Bedding at 60 degrees to CA in this fine grained ash tuff.										
		29.10 51.76 FELDSPAR PHYRIC BASALT FLOW; This interval is characterized by 1-15% white subhedral feldspar phenocrysts (1-3mm) in a dark green, black fine grained ground mass.										
		53.54 53.74 BASALT ASH TUFF; Bedding is at 50 degrees to CA and tops are up (by grading) in this thinly bedded (1-2cm) bedded mafic ash-tuff.										
		63.00 72.80 BASALT FLOW; This interval is broken and blocky. It contains one 40cm vuggy white quartz vein and euhedral pyrite (1-2mm) is 1% throughout. No gouge is noted - probably just a fracture zone. Fractures at 25 degrees to C.A. With a few at 35 to 45 degrees.										
		85.67 86.60 QUARTZ VEIN; Vuggy white quartz vein, contacts at 44 degrees to C.A. With a 30 cm envelope of PROPYLITIC foliated basalt carrying 5% coarse pyrite.										
		101.20 102.00 QUARTZ VEIN; Same as last vein and envelope, contacts at 45 degrees to C.A.										
154.80	155.10	FAULT A 3cm fault marked by a quartz vein, gouge and a bleached envelope at 40 degrees to C.A.										
155.10	199.50	BASALT UNDIFFERENTIATED; Same as above.										
199.50	200.00	FAULT Fault gouge - breccia, quartz veins and silicification mark this narrow fault zone. The core is broken and blocky for 8m above this section. Fault at 35 degrees to C.A.										
200.00	201.30	BASALT UNDIFFERENTIATED; Same as previous (0.00 - 154.80).										
201.30	203.00	BASALT UNDIFFERENTIATED; Silicification, maroon colouring and 5% magnetite occur in this narrow										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		brecciated section. Contacts at 30 degrees to C.A.										
203.00	209.90	BASALT UNDIFFERENTIATED; Same as previous (0.00 - 154.80).										
209.90	228.20	BASALT UNDIFFERENTIATED; Propylitically altered basalt flow or possible massive ash tuff. Weak alteration is pervasive with alteration concentrated along fractures and veins. Epidote averages 1% but occurs up to 10 % over 40cm intervals. Disseminated euhedral pyrite cubes (1-4mm) occur in trace amounts. In general propylitic alteration is more common below this interval than above it.										
228.20	284.10	BASALT UNDIFFERENTIATED; Same as previous (0.00 - 154.80).										
284.10	284.70	FAULT (SILICIFICATION) (SERICITIZATION) A narrow 10cm section of fault gouge occurs in this interval (40 degrees to C.A.) The rest of the interval is pale grey silicified and sericitized basalt (?) with 1-5% disseminated pyrite and trace sphalerite. This interval marks the contact between amygdaloidal basalt below, and massive basalt above and therefore may be the equivalent to the G Horizon.										
284.70	289.30	BASALT LAPILLI TUFF - AMYGDALOIDAL; Greenish - black, massive, homogenous amygdaloidal basalt. Quartz filled amygdules vary from 1-10% and from 1-5mm in diameter. They sit in a fine grained mafic matrix. Trace pyrite occurs as 2-5mm subhedral porphyroblasts with quartz-epidote-garnet veins ranging from 1-20cm wide (coarse grained). Large fragments of amygdaloidal basalt are seen throughout this interval and contain up to 40% amygdales.										
289.30	295.00	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; 1-2% White feldspar phenocrysts (1-2mm) are scattered throughout this section. Also trace granoblastic pyrite and pyrrhotite. Possible flow breccia.										
295.00	335.80	BASALT LAPILLI TUFF - AMYGDALOIDAL; Same as previously described (284.70 - 289.30).										
335.80	350.70	BASALT LAPILLI TUFF - AMYGDALOIDAL; Amygdales average 5% over this interval and are filled with brownish, granular quartz (cordierite), not the usual white quartz.										
350.70	391.50	BASALT LAPILLI TUFF - AMYGDALOIDAL; Same as previous (284.70 - 289.30).										
391.50	399.00	BASALT LAPILLI TUFF - AMYGDALOIDAL;										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Blocky broken core.										
399.00	401.00	BASALT LAPILLI TUFF - AMYGDALOIDAL; Same as previous (284.70 - 289.30).										
401.00	403.20	BASALT LAPILLI TUFF - AMYGDALOIDAL; FAULT Blocky, broken core.										
403.20	404.00	BASALT LAPILLI TUFF - AMYGDALOIDAL; Same as previous (284.70 - 289.30).										
404.00	404.70	BASALT ASH TUFF; Thin ash tuff (or dike) layer. Brown, granular, upper contact reasonably sharp and at 75 degrees to C.A.										
404.70	406.00	BASALT LAPILLI TUFF - AMYGDALOIDAL; Same as previous (284.70 - 289.30).										
406.00	407.52	BASALTIC INTRUSION; Distinct granular texture with chilled margins identify this mafic dike.										
407.52	413.00	BASALT LAPILLI TUFF - AMYGDALOIDAL; FAULT Crushed and broken core, 407.5 - 409.1 lost. No gouge seen.										
413.00	438.50	BASALT LAPILLI TUFF - AMYGDALOIDAL; Same as previous (284.70 - 289.30). 415.9 - 418.5 Broken blocky core. 425.4 - 426.5 Broken blocky core. 434.0 - 438.5 Broken blocky core.										
438.50	442.00	FAULT Fault zone in BFL5. Core angles are steep (20-30 degrees) Same greenish - black amygdaloidal basalt on both sides.										
442.00	459.30	BASALT LAPILLI TUFF - AMYGDALOIDAL; Same as previous (284.70 - 289.30). 456.60 459.30 BASALT LAPILLI TUFF - AMYGDALOIDAL; Broken and blocky.										
459.30		EOH										

Hole No: TCU93-51
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15523.48
(metres) E: 10601.39

Azimuth: 100.6
Dip: -52.8
Length (m): 459.30
Elevation: 113.74
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Diamond Drilling Ltd.

Started: July 18,1993
Completed: July 30,1993
Recovery:

Date Logged: July 30,1993
Logged By: B. Carmichael

Date Re-logged:
Re-logged By:

Report Printed: 16 Apr, 1994
11:09am

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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

NO SAMPLES

Hole No: TCU93-51
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15523.48
(metres) E: 10601.39

Azimuth: 100.6
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Report Printed: 16 Apr, 1994
11:09am

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm

NO SAMPLES

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF — ROCK QUALITY DETERMINATIONS

HOLE TCU93-51

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	8.22	8.22	6.35	77.25%	1.56	18.98%
8.22	11.73	3.51	3.51	100.00%	1.83	52.14%
11.73	13.87	2.14	2.14	100.00%	0.40	18.69%
13.87	16.15	2.28	2.05	89.91%	0.57	25.00%
16.15	18.59	2.44	2.44	100.00%	1.59	65.16%
18.59	20.12	1.53	1.53	100.00%	1.32	86.27%
20.12	23.16	3.04	3.04	100.00%	0.86	28.29%
23.16	25.91	2.75	2.58	93.82%	1.36	49.45%
25.91	27.13	1.22	1.17	95.90%	0.80	65.57%
27.13	28.35	1.22	1.13	92.62%	0.54	44.26%
28.35	32.61	4.26	4.26	100.00%	3.72	87.32%
32.61	35.66	3.05	3.05	100.00%	2.70	88.52%
35.66	38.71	3.05	3.04	99.67%	1.91	62.62%
38.71	41.76	3.05	3.00	98.36%	1.30	42.62%
41.76	44.81	3.05	3.05	100.00%	2.78	91.15%
44.81	47.85	3.04	3.00	98.68%	2.55	83.88%
47.85	50.90	3.05	3.05	100.00%	2.50	81.97%
50.90	53.95	3.05	2.97	97.38%	1.93	63.28%
53.95	57.00	3.05	3.05	100.00%	2.64	86.56%
57.00	60.05	3.05	3.05	100.00%	2.78	91.15%
60.05	63.09	3.04	2.54	83.55%	0.27	8.88%
63.09	66.14	3.05	2.37	77.70%	0.52	17.05%
66.14	69.19	3.05	2.20	72.13%	0.16	5.25%
69.19	70.10	0.91	0.91	100.00%	0.40	43.96%
70.10	74.07	3.97	3.50	88.16%	0.61	15.37%
74.07	77.11	3.04	2.93	96.38%	1.44	47.37%
77.11	80.31	3.20	3.13	97.81%	1.41	44.06%
80.31	83.36	3.05	3.02	99.02%	2.29	75.08%
83.36	84.43	1.07	1.07	100.00%	0.44	41.12%
84.43	85.04	0.61	0.61	100.00%	0.00	0.00%
85.04	87.78	2.74	2.40	87.59%	0.72	26.28%
87.78	90.53	2.75	2.60	94.55%	0.92	33.45%
90.53	93.57	3.04	3.03	99.67%	2.11	69.41%
93.57	96.62	3.05	3.04	99.67%	2.20	72.13%
96.62	99.67	3.05	3.02	99.02%	1.46	47.87%
99.67	102.72	3.05	3.03	99.34%	1.36	44.59%
102.72	105.76	3.04	2.96	97.37%	1.01	33.22%
105.76	108.81	3.05	3.03	99.34%	2.03	66.56%
108.81	111.86	3.05	3.00	98.36%	1.42	46.56%
111.86	114.91	3.05	2.98	97.70%	1.82	59.67%
114.91	117.96	3.05	3.01	98.69%	2.20	72.13%
117.96	121.01	3.05	3.05	100.00%	2.26	74.10%
121.01	124.05	3.04	2.98	98.03%	2.45	80.59%
124.05	127.10	3.05	3.01	98.69%	1.85	60.66%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE TCU93-51

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
127.10	130.15	3.05	2.83	92.79%	0.83	27.21%
130.15	133.20	3.05	2.97	97.38%	1.34	43.93%
133.20	136.25	3.05	3.05	100.00%	1.81	59.34%
136.25	136.55	0.30	0.30	100.00%	0.10	33.33%
136.55	139.29	2.74	2.49	90.88%	1.05	38.32%
139.29	142.34	3.05	3.05	100.00%	2.35	77.05%
142.34	145.39	3.05	3.05	100.00%	2.58	84.59%
145.39	148.44	3.05	3.05	100.00%	2.37	77.70%
148.44	151.49	3.05	3.05	100.00%	2.55	83.61%
151.49	154.53	3.04	3.04	100.00%	1.96	64.47%
154.53	156.36	1.83	1.60	87.43%	0.31	16.94%
156.36	159.11	2.75	2.68	97.45%	1.11	40.36%
159.11	162.15	3.04	2.97	97.70%	2.22	73.03%
162.15	163.68	1.53	1.53	100.00%	1.01	66.01%
163.68	166.12	2.44	2.38	97.54%	1.43	58.61%
166.12	166.73	0.61	0.61	100.00%	0.11	18.03%
166.73	169.77	3.04	3.04	100.00%	1.05	34.54%
169.77	172.82	3.05	2.94	96.39%	0.65	21.31%
172.82	175.87	3.05	2.95	96.72%	0.72	23.61%
175.87	178.92	3.05	2.96	97.05%	1.27	41.64%
178.92	181.97	3.05	2.58	84.59%	0.51	16.72%
181.97	185.01	3.04	2.87	94.41%	1.01	33.22%
185.01	188.06	3.05	2.95	96.72%	1.41	46.23%
188.06	191.11	3.05	2.98	97.70%	1.46	47.87%
191.11	194.16	3.05	2.66	87.21%	0.14	4.59%
194.16	195.07	0.91	0.91	100.00%	0.25	27.47%
195.07	195.99	0.92	0.63	68.48%	0.11	11.96%
195.99	198.42	2.43	2.37	97.53%	0.36	14.81%
198.42	199.95	1.53	1.53	100.00%	0.26	16.99%
199.95	203.00	3.05	2.91	95.41%	0.94	30.82%
203.00	206.04	3.04	2.92	96.05%	0.85	27.96%
206.04	206.50	0.46	0.46	100.00%	0.12	26.09%
206.50	209.40	2.90	2.90	100.00%	0.78	26.90%
209.40	212.45	3.05	3.03	99.34%	2.35	77.05%
212.45	213.06	0.61	0.61	100.00%	0.54	88.52%
213.06	215.49	2.43	2.23	91.77%	1.26	51.85%
215.49	218.54	3.05	3.04	99.67%	1.76	57.70%
218.54	221.59	3.05	3.05	100.00%	1.98	64.92%
221.59	224.64	3.05	3.05	100.00%	2.72	89.18%
224.64	227.69	3.05	3.03	99.34%	2.47	80.98%
227.69	230.73	3.04	3.04	100.00%	2.28	75.00%
230.73	233.78	3.05	3.00	98.36%	2.09	68.52%
233.78	236.83	3.05	2.94	96.39%	1.98	64.92%
236.83	239.88	3.05	3.03	99.34%	1.46	47.87%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF — ROCK QUALITY DETERMINATIONS

HOLE TCU93-51

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
239.88	242.93	3.05	3.00	98.36%	1.62	53.11%
242.93	245.97	3.04	2.95	97.04%	0.72	23.68%
245.97	249.02	3.05	3.05	100.00%	1.21	39.67%
249.02	252.07	3.05	3.05	100.00%	1.88	61.64%
252.07	255.12	3.05	3.00	98.36%	2.28	74.75%
255.12	258.17	3.05	3.01	98.69%	2.24	73.44%
258.17	261.21	3.04	3.04	100.00%	2.16	71.05%
261.21	264.26	3.05	3.05	100.00%	2.55	83.61%
264.26	267.31	3.05	2.97	97.38%	1.62	53.11%
267.31	270.36	3.05	2.82	92.46%	1.80	59.02%
270.36	271.88	1.52	1.40	92.11%	0.45	29.61%
271.88	273.41	1.53	1.53	100.00%	0.37	24.18%
273.41	276.45	3.04	3.03	99.67%	1.92	63.16%
276.45	279.50	3.05	3.05	100.00%	1.90	62.30%
279.50	282.55	3.05	3.05	100.00%	1.07	35.08%
282.55	285.60	3.05	3.05	100.00%	0.64	20.98%
285.60	288.65	3.05	3.02	99.02%	2.17	71.15%
288.65	291.69	3.04	2.95	97.04%	1.47	48.36%
291.69	294.74	3.05	3.05	100.00%	2.80	91.80%
294.74	297.79	3.05	3.04	99.67%	1.97	64.59%
297.79	300.84	3.05	3.05	100.00%	1.22	40.00%
300.84	303.89	3.05	3.00	98.36%	2.17	71.15%
303.89	306.93	3.04	3.10	101.97%	2.62	86.18%
306.93	309.98	3.05	3.05	100.00%	2.78	91.15%
309.98	313.03	3.05	3.03	99.34%	1.86	60.98%
313.03	316.08	3.05	3.03	99.34%	1.78	58.36%
316.08	319.13	3.05	3.05	100.00%	2.36	77.38%
319.13	322.17	3.04	3.04	100.00%	2.46	80.92%
322.17	325.22	3.05	3.05	100.00%	2.84	93.11%
325.22	328.27	3.05	3.10	101.64%	2.56	83.93%
328.27	331.32	3.05	3.04	99.67%	2.56	83.93%
331.32	334.37	3.05	3.04	99.67%	2.15	70.49%
334.37	337.41	3.04	3.04	100.00%	2.29	75.33%
337.41	340.46	3.05	3.05	100.00%	2.13	69.84%
340.46	343.51	3.05		0.00%		0.00%
343.51	346.56	3.05	3.05	100.00%	2.71	88.85%
346.56	349.61	3.05	3.05	100.00%	1.98	64.92%
349.61	352.65	3.04	3.04	100.00%	1.9	62.50%
352.65	355.70	3.05	3.05	100.00%	2.28	74.75%
355.70	358.75	3.05	3.03	99.34%	2.25	73.77%
358.75	361.80	3.05	3.00	98.36%	1.98	64.92%
361.80	364.85	3.05	3.05	100.00%	2.54	83.28%
364.85	367.89	3.04	3.04	100.00%	2.85	93.75%
367.89	369.42	1.53	1.48	96.73%	0.86	56.21%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS
HOLE TCU93-51

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
369.42	370.94	1.52	1.25	82.24%	0.44	28.95%
370.94	373.84	2.90	2.75	94.83%	2.32	80.00%
373.84	374.60	0.76	0.76	100.00%	0.51	67.11%
374.60	375.82	1.22	1.22	100.00%	0.18	14.75%
375.82	378.71	2.89	2.71	93.77%	1.88	65.05%
378.71	381.61	2.90	2.80	96.55%	1.9	65.52%
381.61	383.13	1.52	1.52	100.00%	1.28	84.21%
383.13	386.18	3.05	3.00	98.36%	2.23	73.11%
386.18	389.23	3.05	2.96	97.05%	0.62	20.33%
389.23	392.28	3.05	2.77	90.82%	1	32.79%
392.28	395.33	3.05	2.65	86.89%	0.74	24.26%
395.33	398.37	3.04	2.84	93.42%	0.21	6.91%
398.37	401.42	3.05	3.05	100.00%	0.71	23.28%
401.42	404.47	3.05	2.89	94.75%	0.66	21.64%
404.47	407.52	3.05	2.46	80.66%	0.63	20.66%
407.52	409.19	1.67	0.12	7.19%	0	0.00%
409.19	410.11	0.92	0.13	14.13%	0	0.00%
410.11	413.15	3.04	3.04	100.00%	0.62	20.39%
413.15	416.20	3.05	3.05	100.00%	1.54	50.49%
416.20	417.27	1.07	0.77	71.96%	0	0.00%
417.27	418.19	0.92	0.62	67.39%	0	0.00%
418.19	420.32	2.13	2.13	100.00%	1.04	48.83%
420.32	421.84	1.52	1.52	100.00%	0.48	31.58%
421.84	423.40	1.56	1.21	77.56%	0.44	28.21%
423.40	424.60	1.20	0.65	54.17%	0.48	40.00%
424.60	425.40	0.80	0.61	76.25%	0.41	51.25%
425.40	425.80	0.40	0.10	25.00%	0	0.00%
425.80	427.90	2.10	1.99	94.76%	0.46	21.90%
427.90	431.00	3.10	3.10	100.00%	0.5	16.13%
431.00	434.00	3.00	3.00	100.00%	1.07	35.67%
434.00	435.90	1.90	1.90	100.00%	0.26	13.68%
435.90	437.50	1.60	0.76	47.50%	0	0.00%
437.50	438.00	0.50	0.39	78.00%	0	0.00%
438.00	441.00	3.00	3.00	100.00%	0.5	16.67%
441.00	444.10	3.10	3.10	100.00%	0.34	10.97%
444.10	447.10	3.00	3.00	100.00%	1.32	44.00%
447.10	450.20	3.10	3.09	99.68%	1.9	61.29%
450.20	453.20	3.00	2.98	99.33%	1.55	51.67%
453.20	456.30	3.10	2.95	95.16%	0.64	20.65%
456.30	459.30	3.00	2.52	84.00%	0.45	15.00%
459.3 = EOH				95.16%		51.42%

Hole No: TCU93-52
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.18
(metres) E: 10663.83

Azimuth: 152.3
Dip: -54.2
Length (m): 440.13
Elevation: 112.73 (metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Drilling Ltd.
Started: July 23, 1993
Completed: July 31, 1993
Recovery:

Date Logged: July 24 to Aug. 2, 1993
Logged By: D.J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 11:24am

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	152.3	-54.2															
3.2	152.3	-54.2	75.7	153.3	-53.7	148.2	154.6	-53.5	220.8	155.1	-53.6	293.3	154.9	-53.7	365.8	155.8	-53.0
6.3	152.3	-54.2	78.8	153.3	-53.6	151.4	154.6	-53.6	223.9	155.1	-53.6	296.5	154.9	-53.7	369.0	155.8	-53.0
9.5	152.3	-54.2	82.0	153.4	-53.5	154.5	154.6	-53.6	227.1	155.1	-53.6	299.6	154.9	-53.7	372.1	155.8	-53.0
12.6	152.3	-54.2	85.2	153.4	-53.5	157.7	154.6	-53.6	230.2	155.1	-53.6	302.8	154.9	-53.7	375.3	155.8	-53.0
15.8	152.3	-54.2	88.3	153.4	-53.4	160.9	154.8	-53.5	233.4	155.1	-53.6	305.9	154.9	-53.7	378.5	155.6	-53.1
18.9	152.4	-54.1	91.5	153.4	-53.4	164.0	154.8	-53.5	236.5	155.1	-53.7	309.1	154.9	-53.7	381.6	155.8	-53.0
22.1	152.4	-54.1	94.6	153.6	-53.3	167.1	154.8	-53.5	239.7	155.3	-53.7	312.2	154.9	-53.7	384.8	155.9	-52.9
25.2	152.6	-54.1	97.8	153.8	-53.2	170.3	154.8	-53.5	242.8	155.3	-53.7	315.4	155.1	-53.7	387.9	156.1	-52.8
28.4	152.6	-54.1	100.9	153.8	-53.3	173.5	154.6	-53.6	246.0	155.3	-53.7	318.5	155.1	-53.7	391.1	156.3	-52.9
31.5	152.6	-54.1	104.1	153.8	-53.3	176.6	154.6	-53.6	249.1	155.3	-53.7	321.7	155.1	-53.7	394.2	156.3	-53.0
34.7	152.8	-54.1	107.2	153.9	-53.3	179.8	154.8	-53.6	252.3	155.1	-53.7	324.8	155.1	-53.7	397.4	156.3	-53.1
37.8	152.8	-54.0	110.4	154.1	-53.3	182.9	154.6	-53.7	255.5	155.1	-53.7	328.0	155.1	-53.7	400.5	156.3	-53.1
41.0	152.8	-54.1	113.5	154.1	-53.3	186.1	154.8	-53.7	258.6	155.1	-53.7	331.1	155.1	-53.6	403.7	156.4	-53.1
44.2	152.8	-54.1	116.7	154.1	-53.3	189.2	154.8	-53.7	261.8	155.1	-53.7	334.3	155.1	-53.6	406.8	156.4	-53.1
47.3	152.6	-54.0	119.8	154.1	-53.3	192.4	154.6	-53.7	264.9	155.1	-53.7	337.5	155.3	-53.6	410.0	156.4	-53.1
50.5	152.6	-54.0	123.0	154.3	-53.3	195.5	154.6	-53.7	268.1	155.1	-53.7	340.6	155.3	-53.4	413.1	156.6	-53.1
53.6	152.8	-53.9	126.2	154.3	-53.4	198.7	154.8	-53.7	271.2	155.1	-53.6	343.8	155.4	-53.3	416.3	156.6	-53.2
56.8	152.8	-53.9	129.3	154.3	-53.5	201.9	154.8	-53.7	274.4	155.1	-53.6	346.9	155.4	-53.2	419.5	156.6	-53.2
59.9	152.9	-53.8	132.5	154.3	-53.4	205.0	154.8	-53.7	277.5	154.9	-53.6	350.1	155.6	-53.1	422.6	156.6	-53.2
63.1	152.9	-53.8	135.6	154.4	-53.5	208.1	154.9	-53.7	280.7	154.9	-53.6	353.2	155.8	-53.1	425.8	156.6	-53.2
66.2	153.1	-53.7	138.8	154.4	-53.5	211.3	154.9	-53.7	283.8	154.8	-53.7	356.4	155.8	-53.1	428.9	156.6	-53.2
69.4	153.1	-53.7	141.9	154.6	-53.5	214.5	154.9	-53.7	287.0	154.8	-53.8	359.5	155.8	-53.1	432.1	156.6	-53.2
72.5	153.3	-53.7	145.1	154.6	-53.5	217.6	155.1	-53.6	290.1	154.8	-53.8	362.7	155.8	-53.1			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.90	CASING										
.90	14.85	DACITE FLOWS; (HEMATITE)										

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

Massive, dark maroon to grey, feldspar (10%, white, euhedral to subhedral, <2mm) phyric fine grained dacite flow with minor interflow breccia intervals (<40cm). Rare white, quartz veins from 3mm to 10cm wide; rare epidote + chlorite ± magnetite ± hematite veinlets (<2mm wide). Interval is weakly magnetic; lower 60cm is flow brecciated and crudely banded. Lower contact is sharp at 40° to core axis.

14.85 22.20 BASALTIC INTRUSION;
Dark green to black, very fine-grained, moderate to strongly magnetic, basaltic dyke or basaltic ash tuff. Quartz + epidote ± chlorite ± magnetite veins (40-65° to core axis, 0.5 to 12cm wide). Disseminated pyrite (<1%). Interval from 17.47 to 17.98m is light grey-green and epidote + chlorite altered. Upper and lower contacts are sharp at 40° and 50° to core axis, respectively.

22.20 88.40 DACITE FLOWS;
Light to dark grey-green with localized purplish hematitic tinges, feldspar phyric (white, ≈10% anhedral to euhedral, <2mm, locally indistinct) dacite flow, very similar to that described above from 0.9 to 14.85m; occasional flow breccia sequences over 1 to ≈3 metres with patchy, cream coloured albite flooded zones; moderately cut by dark green chlorite ± quartz stringers and veins (<1mm to 8cm) with epidote, massive magnetite and rare actinolite(?); localized weak albitic haloes up to ≈1cm along veinlets; interval cut by basalt dykes (see below); lower contact sharp at 65° to core axis.

43.10 43.40 BASALTIC INTRUSION; Very fine-grained, moderately magnetic, dark green to black, massive basaltic dyke; contacts are sharp, with ≈5% white quartz and trace magnetite + pyrite; upper and lower contacts at 30° to core axis.

45.00 46.73 BASALTIC INTRUSION; Same as above dyke from 43.1 to 43.4 metres without quartz-magnetite-pyrite contacts; upper contact sharp at 40° to core axis; lower contact at 60° to core axis.

47.60 48.02 BASALTIC INTRUSION; Same as above from 45.00 to 46.73 metres; upper contact at 55° to core axis; lower contact at 60° to core axis.

58.30 61.85 BASALTIC INTRUSION; Same as above from 45.00 to 46.73 metres; upper and lower contacts are sharp and irregular.

69.04 70.90 BASALTIC INTRUSION; Same as above from 45.00 to 46.73 metres; sharp contacts.

88.40 250.02 BASALT UNDIFFERENTIATED;
Dark green, fine to medium grained basaltic interval; from 88.4 to 99.5 metres is massive, fine-grained basalt with rare quartz + epidote ± coarse (5mm) magnetite veinlets; occasional zones over 20-30cm are bleached light green (epidote replacement?); gradual transition to medium grained, feldspar phyric basalt below 99.5m to 168m; feldspar phenocrysts

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		are euhedral to anhedral, grey-green to grey-white, <.5mm to 1mm long, varying in abundance from 2% up to ≈15%; feldspar phenocrysts are not present below ≈168m; from 168m to end of interval, basalt is fine-grained, possibly well-sorted basaltic ash tuff. Entire interval is weakly cut by veinlets (≈<3cm wide) from 30° to 60° to core axis, of quartz + epidote + chlorite ± calcite ± magnetite ± pyrite. 154.70 155.10 Quartz + chlorite + epidote ± magnetite ± pyrite veinlet (1.5cm wide) at 10° to core axis. 199.00 200.05 Zone of rare fractures (<1mm) at low angles (10°) to core axis, filled with prehnite. 201.50 204.00 Zone of rounded, light grey lapilli tuff fragments (≈60%, 2-4mm long) or xenoliths supported by basaltic ash tuff or flow; moderate chlorite + epidote + magnetite veins (<5cm) at low angle (<15°) to core axis. 207.00 221.00 Broken core with low (<30) RQD; core is broken along moderate fracturing (<2mm wide) filled with chlorite and prehnite ± calcite; may be fracture splays related to nearby fault zone.											
250.02	284.50	DACITE BRECCIA; Variably light to dark grey coloured dacite fragmental dominated by breccia and lapilli-sized fragments; minor dark grey ash tuff matrix; probable flow breccia intervals over 1-2 metres, or blocks of feldspar phyric dacite flow (weak flow alignment, dark grey with ≈10% white anhedral feldspar <2mm); sparse zones of heterolithic lapilli, including: 30% light grey, rounded, albitic dacite, ≈10% medium green-grey unaltered dacite, 2% whitish quartz (chert) fragments; entire interval is weakly cut by veins and stringers of dominantly chlorite ± quartz ± magnetite ± epidote with white to cream coloured albite flooding from 1-2mm into wall-rock; upper contact is sharp and irregular at moderate to high angle to core axis; lower contact is sharp and irregular marked by first presence of base metal sulphides. 278.20 278.30 (Banded pyrite) Band or vein of 25-30% diffuse, finely disseminated pyrite within dark grey ash tuff matrix.	68180	282.50	284.50	2.00						
284.50	287.90	DACITE LAPILLI TUFF; (SERICITIZATION) (DISSEMINATED SPHALERITE) Medium to light grey dacite fragmental of intermixed lapilli and fine ash aligned at 40-45° to core axis; sericite alteration is weak, becoming stronger downwards to intensely altered over lower 80cm of interval; coarse grained concentrations of pyrite (≈5-7%), sphalerite (≈2-3%), galena (1-2%) and trace chalcopyrite occur within ash matrix around lapilli (as late infiltration) localized intervals of ≈1-2.5cm.	68181 68182	284.50 286.20	286.20 287.90	1.70 1.70	.72	54.18	.24	1.45	3.91	
287.90	289.90	PYRITE FACIES; (SERICITIZATION) (MASSIVE PYRITE) Fine, intense sericite altered ash tuff intermixed with 50-60% fine to coarse disseminated pyrite with sparse, banded, massive (≈80%) pyrite intervals up to 15cm wide.	68183 68184	287.90 288.90	288.90 289.90	1.00 1.00	1.99	90.53	2.27	.62	4.06	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
289.90	291.85	ALTERED FACIES; (SILICIFICATION) (SERICITIZATION) (DISSEMINATED PYRITE) Light greyish green coloured fragmental interval with ≈10% whitish to grey chert or silicified fragments and ≈20% strongly sericitized fragments (dacite tuff?) supported by dark green-grey chloritic matrix, with up to ≈10% disseminated pyrite; matrix may be infilling of voids in fragmental, or as cross-cutting breccia veinlets; trace sphalerite(?); lower contact is gradational over ≈5cm, with core angles of 45° to core axis.	68185 68186	289.90 290.90	290.90 291.85	1.00 .95						
291.85	298.55	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Medium to dark greyish, fine dacitic or basaltic(?) ash interval, gradually coarsening downwards over 1 metre to lapilli/ash tuff; interval is soft due to pervasive, moderate chlorite alteration; very weakly fractured by chlorite veinlets <1mm wide; trace very fine disseminated pyrite throughout; lower contact is gradational, marked by decrease in chlorite alteration and increases of silicification from interval below.	68187 68188	291.85 296.55	293.85 298.55	2.00 2.00						
298.55	302.70	ALTERED FACIES; (SILICIFICATION) (DISSEMINATED PYRITE) Light greyish, strongly silicified tuff (protolith unknown but possibly mafic due to gradational colour change at contacts from alteration); fragmental texture is locally vague; possible debris flow due to rare heterolithic fragments; interval appears to be intense sericite altered with moderate to strong silica + pyrite overprinting (weak white quartz veining); ≈2-3% very fine disseminated pyrite throughout; lower contact appears gradational but placed at 2cm wide fault contact at 50° to core axis; interval below is marked by increase in abundance of quartz + pyrite veinlets.	68189 68190	298.55 300.55	300.55 302.70	2.00 2.15						
302.70	305.23	ALTERED FACIES; (SERICITIZATION) (STRINGER PYRITE) (DISSEMINATED SPHALERITE) Light grey to buff-yellow, intense sericite + silica + pyrite altered tuff (protolith altered beyond recognition but may be quartz amygdaloidal basalt breccia with ≈2-5% quartz ± pyrite-filled amygdules); ≈2-3% milky white quartz (chert?) as irregular masses and white ± grey quartz as stringer veinlets ± pyrite; 10-15% disseminated pyrite throughout host rock and concentrated in quartz stringers; 1-2% red-brown masses of sphalerite and galena associated with pyrite in stringer veinlets. 303.70 304.10 FAULT Broken core as fine chips; zero RQD; strongly sheared and brecciated fault zone.	68191 68192 68193	302.70 303.70 304.70	303.70 304.70 305.23	1.00 1.00 .53	.48 .86 .62	24.35 23.32 30.52	.10 .30 .10	1.30 .56 2.15	1.37 3.46 3.88	
305.23	310.50	BASALTIC INTRUSION; (SERICITIZATION) Pale green to grey, strongly bleached, strongly sericite altered dyke (basaltic); abrupt, sharp contacts with host rock; massive and fine-grained with chilled(?) margins; strongly cut by grey and/or white quartz veinlets and stringers (≈1-3mm wide) ± epidote ± chlorite ± pyrite ± rare garnet; veinlets are cross-cutting and at variable angles to core	68194 68195 68196	305.23 307.23 309.23	307.23 309.23 310.50	2.00 2.00 1.27						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		axis; lower contact is sharp at 35° to core axis.										
		305.23 307.30 FAULT Zone of broken core with RQD <20; local strong shear zones (with clayey gouge on very narrow fractures) over ≈3-5cm; upper 50cm is intensely sheared at 30° to core axis with 2% dark grey graphitic(?) clay on fractures.										
310.50	314.15	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (SILICIFICATION) (STRINGER PYRITE) Pale greyish, intense sericite + silica altered tuffaceous rock; protolith is unrecognizable, but appears to be fine lapilli-ash tuff with rare, coarse lapilli(?); rock is intense sericite + pyrite altered and weakly cut by quartz + pyrite stringers (2mm to 2cm wide); tuffaceous groundmass is locally rich in quartz (quartz-filled amygdaloidal fragments?); entire interval has ≈10% disseminated + stringer pyrite, often in concentrated, semi-massive pods; trace to 1% reddish brown sphalerite as irregular wisps and disseminations.	68197	310.50	311.50	1.00						
			68198	311.50	312.50	1.00						
			68199	312.50	313.50	1.00						
			68200	313.50	314.15	.65	.21	4.80	.03	.01	1.25	
314.15	315.87	BASALTIC INTRUSION; (CHLORITIZATION) Medium grey, massive, fine-grained basaltic(?) dyke with chilled, sharp contacts; moderate to strongly cut by veinlets (1mm-3cm) + epidote ± coarse to fine pyrite(1%) ± rare magnetite; upper contact is sharp at 45° to core axis; lower contact sharp at ≈70° to core axis.										
315.87	321.20	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE) Medium to light grey, intense silica + sericite altered quartz amygdaloidal (≈10%,.5-1mm) basalt flow breccia; ≈5% pyrite as very fine disseminations, or in rare quartz stringers; trace to 1% wisps of reddish-brown sphalerite.	68201	315.87	316.87	1.00	.17	10.97	.12	.02	1.92	
			68202	316.87	317.87	1.00	.14	7.20	.04	.02	1.60	
			68203	317.87	318.87	1.00						
			68204	318.87	319.87	1.00						
			68205	319.87	321.20	1.33	.17	.69	.05	.03	1.83	
321.20	321.73	BASALTIC INTRUSION; (CHLORITIZATION) Medium grey, massive, fine-grained basaltic(?) dyke with chilled, sharp contacts; non-pyritic; trace disseminated, euhedral (1mm) pyrite; similar to that described above from 314.15 to 315.87 metres, except no quartz veinlets; upper contact is sharp and irregular (≈60° to core axis); lower contact sharp at 25° to core axis.										
321.73	327.70	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (STRINGER PYRITE) Medium to light grey, intense silica + sericite altered quartz ± amygdaloidal (≈10-15%,.5mm-1cm) basalt flow, flow breccia + possibly pillow breccia; similar to that described above from 315.87 to 321.20 metres; from 5-8% pyrite as disseminations or concentrated into irregular masses in stringers and veinlets with quartz; interval is strongly cut by quartz ± pyrite stringers and veinlets; local buff yellow sericite altered patches; no sphalerite observed.	68206	321.73	323.73	2.00						
			68207	323.73	325.73	2.00						
			68208	325.73	327.70	1.97						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
327.70	331.15	BASALTIC INTRUSION; (CHLORITIZATION) Medium grey coloured, massive, fine-grained, pervasive weak to moderate chlorite alteration; same as that described above from 321.20 to 321.73 metres.										
331.15	333.15	BASALTIC INTRUSION; (DISSEMINATED PYRITE) Black, fine-grained basaltic dyke, very weakly fractured with epidote ± chlorite ± quartz veinlets (<5mm) at various angles to core; ≈1% euhedral pyrite crystals up to 7mm; upper contact is sharp and weakly faulted at 45° to core axis; lower contact sharp at 60° to core axis.										
333.15	349.40	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (STRINGER PYRITE) Light grey, intense sericite + weak silica + pyrite altered quartz amygdaloidal basaltic flow; 2-5% round to elongate quartz amygdules from 1mm to 2cm long; weak to moderate silica-pyrite alteration overprinting sericite; pyrite (≈5-7%) occurs in quartz-pyrite stringers up to 2cm wide, as irregular masses (matrix between breccia fragments), as fine disseminations in sericite, or with quartz in amygdules; lower 2 metres has aquagene tuff textures.										
349.40	356.66	BASALTIC INTRUSION; (CHLORITIZATION) Massive, fine-grained, medium grey coloured basaltic dyke with weak pervasive chlorite-sericite alteration; similar to that described from 314.15 to 315.87 metres, except no pyrite in veinlets; ≈1-2% magnetite in veinlets; upper contact sharp at 50° to core axis; lower contact sharp at 60° to core axis.										
356.66	358.80	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (DISSEMINATED PYRITE) Same as that described above from 333.15 to 349.50 metres; quartz amygdules are fine (<5mm long); 1-2% fine, disseminated pyrite; very weakly fractured.										
358.80	360.55	BASALTIC INTRUSION; (SERICITIZATION) Same as that described above from 321.20 to 321.73; sharp upper contact at 25° to core axis; sharp lower contact at 60° to core axis.										
360.55	361.57	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SERICITIZATION) (DISSEMINATED PYRITE) Same as that described above from 356.66 to 358.8 metres.										
361.57	383.30	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (DISSEMINATED PYRITE) Light grey coloured, strong silica + pyrite alteration overprinting sericite + pyrite alteration, quartz amygdaloidal (≈5%, <2mm) basaltic(?) flow breccia; narrow intervals over ≈20-50cm have aquagene tuff textures with sharp, angular fragments; entire interval is moderately to strongly cut by grey quartz stringers with ≈20% pyrite (≈2-5% pyrite over entire	68209	377.98	379.48	1.50						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		interval); local hydrothermal brecciation in quartz stringers; lower contact is sharp and weakly sheared at 50° to core axis.										
		377.98 379.48 (Disseminated sphalerite) Trace to 1% red-brown sphalerite as coarse disseminations in quartz veins associated with pyrite, trace chalcopyrite, and 1% irregular masses of black hematite.										
383.30	440.13	BASALT LAPILLI TUFF - AMYGDALOIDAL; (CHLORITIZATION) (DISSEMINATED PYRITE)										
		Dark green, pervasive, weak chlorite alteration of basaltic flow, locally amygdaloidal; probable pillow flow with quartz amygdules concentrated on pillow margins; localized intervals over ≈10cm to 1m are tuffaceous (aquagene tuff) resulting from rapid chilling and spalling of pillow flow; local intervals have elongated quartz amygdules (parallel flow direction) up to 3cm long; chlorite alteration grades into chlorite-sericite (medium greyish colour) alteration from 414.25 to 421 metres and from 427 to 428.5 metres; 2% disseminated pyrite occurs throughout as fine, anhedral to euhedral crystals, locally in irregular concentrated masses; silica + pyrite fill amygdules; silicification is very weak, as rare irregular matrix to tuffaceous or breccia zones filling voids between fragments; quartz veinlets from <1mm to 2cm wide are very rare; disseminated chalcopyrite; interval is non-magnetic.										
		390.30 390.80 BASALTIC INTRUSION; Black, fine-grained, moderately magnetic basaltic dyke; upper contact is very sharp at 35° to core axis; lower contact sharp and broken.										
		393.25 393.63 BASALTIC INTRUSION; Same as above (from 390.30 to 390.80 metres); upper contact at 35° to core axis; lower contact at 45° to core axis.										
		394.80 395.07 BASALTIC INTRUSION; Same as above from 390.30 to 390.80 metres; upper contact sharp at 55° to core axis; lower contact sharp at 35° to core axis.										
		424.80 426.83 BASALTIC INTRUSION; Same as above from 390.30 to 390.80 metres; upper contact sharp @35° to core axis; lower contact sharp but irregular at high angle to core axis.										
		431.17 432.03 AMPHIBOLE PHYRIC BASALT INTRUSION; Dark green-grey, fine-grained amphibole phyric basaltic dyke; amphibole phenocrysts constitute 3-5% of interval, are elongate from <1mm to 2mm and subhedral; interval is non-pyritic; weakly magnetic; sharp upper and lower contacts at high angle (≈70-80°) to core axis.										
		438.95 439.40 BASALTIC INTRUSION; Same as that described above from 390.30 to 390.80 metres; upper contact sharp at 45° to core axis; lower contact sharp @60° to core axis.										
440.13		EOH										

Hole No: TCU93-52
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.18
(metres) E: 10663.83

Azimuth: 152.3
Dip: -54.2
Length (m): 440.13
Elevation: 112.73
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Drilling Ltd.
Started: July 23, 1993
Completed: July 31, 1993
Recovery:

Date Logged: July 24 to Aug. 2, 1993
Logged By: D.J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
11:23am

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68180	282.50	284.50	2.00	2.65							14	.4	36	78	139	1.27	3	0	2	676
68181	284.50	286.20	1.70	2.89	.72	54.18	.24	1.45	3.91		610	49.6	2168	11944	33706	2.62	17	138	36	632
68182	286.20	287.90	1.70	2.68							220	11.8	1053	1739	2043	1.44	219	9	91	606
68183	287.90	288.90	1.00	3.48	1.99	90.53	2.27	.62	4.06		1850	72.6	18653	4684	29140	13.58	934	127	278	999
68184	288.90	289.90	1.00	3.56							960	17.3	8831	81	954	15.78	101	3	21	364
68185	289.90	290.90	1.00	2.73							35	.5	77	47	161	2.74	31	0	2	133
68186	290.90	291.85	.95								17	.3	24	21	80	3.71	58	0	3	161
68187	291.85	293.85	2.00								5	.1	27	17	87	2.41	12	0	2	274
68188	296.55	298.55	2.00								16	.1	23	11	95	1.88	13	0	3	367
68189	298.55	300.55	2.00								63	.1	17	20	101	1.69	18	0	6	151
68190	300.55	302.70	2.15	2.79							410	9.3	84	1148	2455	2.44	56	8	39	166
68191	302.70	303.70	1.00	2.93	.48	24.35	.10	1.30	1.37		340	23.4	928	11181	11019	6.14	188	47	223	67
68192	303.70	304.70	1.00	2.97	.86	23.32	.30	.56	3.46		950	18.2	2349	4746	28720	6.68	523	114	703	111
68193	304.70	305.23	.53	3.05	.62	30.52	.10	2.15	3.88		460	28.2	806	19602	38200	6.75	224	148	283	41
68194	305.23	307.23	2.00	2.67							29	.8	34	218	436	1.67	49	1	10	152
68195	307.23	309.23	2.00								17	.2	39	70	567	1.87	425	2	9	137
68196	309.23	310.50	1.27								25	.2	23	148	393	1.63	32	1	5	163
68197	310.50	311.50	1.00								310	2.8	74	601	1068	6.05	157	3	25	99
68198	311.50	312.50	1.00								210	3.0	143	591	3695	6.10	164	15	38	65
68199	312.50	313.50	1.00								170	4.4	166	786	4960	4.50	127	20	46	136
68200	313.50	314.15	.65		.21	4.80	.03	.01	1.25		170	5.0	314	70	10404	4.07	85	47	43	130
68201	315.87	316.87	1.00		.17	10.97	.12	.02	1.92		160	11.6	1165	193	16129	4.93	247	74	205	101
68202	316.87	317.87	1.00		.14	7.20	.04	.02	1.60		140	8.0	392	151	13468	4.86	193	63	39	87
68203	317.87	318.87	1.00								110	5.8	175	1786	7413	5.29	154	32	14	81
68204	318.87	319.87	1.00								120	1.9	221	210	6644	5.48	171	28	7	114
68205	319.87	321.20	1.33		.17	.69	.05	.03	1.83		140	3.3	461	222	14017	6.27	144	66	9	84
68206	321.73	323.73	2.00								86	1.1	142	73	6169	4.29	101	27	2	94
68207	323.73	325.73	2.00								73	1.9	262	97	1190	4.64	140	4	7	99
68208	325.73	327.70	1.97								160	4.9	530	138	294	6.97	187	1	36	113
68209	377.98	379.48	1.50								110	7.0	1884	23	3539	5.53	425	15	556	99

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68180	282.50	284.50	2.00	1	4	2	358	5	3	69	2	5	1.10	9	6	.48	.04	3	2
68181	284.50	286.20	1.70	7	6	3	408	5	2	101	2	6	.39	2	45	.88	.05	4	1
68182	286.20	287.90	1.70	3	3	4	386	5	4	26	4	5	.42	9	6	.98	.05	5	1
68183	287.90	288.90	1.00	10	7	1	174	5	2	47	3	4	.09	2	26	.80	.02	2	1
68184	288.90	289.90	1.00	4	8	2	218	5	2	8	3	9	.08	2	5	1.77	.03	3	1
68185	289.90	290.90	1.00	4	5	3	209	5	2	23	2	2	.30	6	14	.80	.03	3	1
68186	290.90	291.85	.95	4	3	2	120	9	3	12	2	2	.16	9	2	.43	.03	4	1
68187	291.85	293.85	2.00	1	2	2	213	5	3	38	2	2	.34	16	3	1.01	.12	5	1
68188	296.55	298.55	2.00	1	4	2	273	5	2	87	2	2	.43	18	3	1.10	.08	6	1
68189	298.55	300.55	2.00	2	6	3	136	5	2	35	2	2	.26	10	8	.52	.02	4	1
68190	300.55	302.70	2.15	3	4	3	98	7	2	14	2	2	.32	9	5	.15	.01	9	1
68191	302.70	303.70	1.00	2	3	10	100	5	2	12	2	4	.40	6	12	.08	.01	10	2
68192	303.70	304.70	1.00	2	4	7	96	5	2	16	2	7	.41	5	41	.06	.04	15	1
68193	304.70	305.23	.53	2	4	5	102	5	2	14	2	4	.26	9	45	.06	.02	8	1
68194	305.23	307.23	2.00	2	4	1	461	24	5	28	2	2	.85	37	5	.19	.01	12	1
68195	307.23	309.23	2.00	4	5	1	665	16	4	55	2	2	1.77	39	14	.17	.01	5	1
68196	309.23	310.50	1.27	3	2	1	427	26	4	34	2	2	1.10	18	3	.06	.01	8	1
68197	310.50	311.50	1.00	3	4	9	145	9	2	20	2	4	.47	6	3	.09	.03	10	1
68198	311.50	312.50	1.00	2	2	9	150	5	2	21	2	4	.48	5	12	.08	.02	8	1
68199	312.50	313.50	1.00	2	2	8	193	5	2	36	2	7	.64	6	8	.11	.03	12	1
68200	313.50	314.15	.65	7	3	4	181	5	2	18	2	5	.37	5	9	.07	.05	10	2
68201	315.87	316.87	1.00	12	3	6	232	5	2	21	2	5	.46	8	20	.12	.05	9	1
68202	316.87	317.87	1.00	2	5	9	213	5	2	12	2	5	.39	6	10	.13	.03	8	1
68203	317.87	318.87	1.00	2	9	12	206	5	2	10	2	5	.39	5	9	.13	.02	6	4
68204	318.87	319.87	1.00	2	6	13	259	5	2	15	2	7	.48	7	17	.20	.04	6	2
68205	319.87	321.20	1.33	2	5	9	255	5	2	16	2	5	.45	5	8	.15	.03	5	2
68206	321.73	323.73	2.00	2	3	7	227	5	2	16	2	6	.50	6	8	.15	.03	5	1
68207	323.73	325.73	2.00	2	3	7	176	5	2	20	2	5	.50	5	12	.14	.02	6	1
68208	325.73	327.70	1.97	3	2	5	157	5	2	44	2	6	.51	4	3	.15	.03	6	1
68209	377.98	379.48	1.50	2	2	7	172	5	2	24	2	3	.48	5	6	.08	.02	6	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-52

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	1.22	1.22	0.30	24.59%	0.00	0.00%
1.22	2.44	1.22	0.74	60.66%	0.00	0.00%
2.44	5.18	2.74	2.56	93.43%	1.40	51.09%
5.18	7.32	2.14	1.98	92.52%	1.28	59.81%
7.32	8.84	1.52	1.52	100.00%	0.73	48.03%
8.84	11.89	3.05	2.96	97.05%	1.33	43.61%
11.89	14.94	3.05	2.89	94.75%	1.34	43.93%
14.94	17.98	3.04	2.93	96.38%	1.06	34.87%
17.98	21.03	3.05	3.05	100.00%	1.88	61.64%
21.03	24.08	3.05	2.97	97.38%	1.78	58.36%
24.08	27.13	3.05	3.05	100.00%	1.61	52.79%
27.13	30.18	3.05	3.05	100.00%	1.82	59.67%
30.18	33.22	3.04	2.95	97.04%	1.41	46.38%
33.22	36.27	3.05	3.04	99.67%	1.67	54.75%
36.27	39.32	3.05	2.98	97.70%	1.66	54.43%
39.32	42.37	3.05	2.94	96.39%	1.99	65.25%
42.37	43.59	1.22	1.18	96.72%	0.84	68.85%
43.59	45.42	1.83	1.83	100.00%	1.04	56.83%
45.42	48.46	3.04	3.04	100.00%	1.93	63.49%
48.46	51.51	3.05	2.98	97.70%	2.53	82.95%
51.51	54.56	3.05	3.05	100.00%	1.19	39.02%
54.56	56.08	1.52	1.40	92.11%	0.93	61.18%
56.08	59.13	3.05	3.02	99.02%	1.53	50.16%
59.13	61.57	2.44	2.27	93.03%	1.72	70.49%
61.57	64.62	3.05	3.05	100.00%	2.48	81.31%
64.62	65.68	1.06	1.06	100.00%	0.75	70.75%
65.68	69.04	3.36	3.00	89.29%	2.16	64.29%
69.04	72.09	3.05	3.05	100.00%	1.71	56.07%
72.09	75.29	3.20	3.15	98.44%	2.34	73.12%
75.29	78.94	3.65	3.65	100.00%	2.01	55.07%
78.94	81.99	3.05	2.78	91.15%	1.84	60.33%
81.99	85.04	3.05	3.05	100.00%	2.04	66.89%
85.04	88.09	3.05	2.64	86.56%	1.07	35.08%
88.09	91.14	3.05	3.00	98.36%	2.18	71.48%
91.14	94.18	3.04	2.93	96.38%	2.04	67.11%
94.18	97.23	3.05	3.03	99.34%	1.86	60.98%
97.23	100.28	3.05	2.92	95.74%	1.66	54.43%
100.28	103.33	3.05	2.85	93.44%	1.26	41.31%
103.33	106.38	3.05	2.51	82.30%	0.52	17.05%
106.38	109.42	3.04	3.04	100.00%	2.35	77.30%
109.42	112.47	3.05	3.05	100.00%	1.90	62.30%
112.47	115.98	3.51	3.45	98.29%	2.06	58.69%
115.98	119.18	3.20	3.09	96.56%	1.38	43.12%
119.18	122.22	3.04	3.04	100.00%	2.53	83.22%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-52

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
122.22	125.27	3.05	3.05	100.00%	2.71	88.85%
125.27	128.32	3.05	3.05	100.00%	2.40	78.69%
128.32	129.08	0.76	0.64	84.21%	0.40	52.63%
129.08	132.29	3.21	3.12	97.20%	2.85	88.79%
132.29	133.20	0.91	0.70	76.92%	0.41	45.05%
133.20	136.25	3.05	3.05	100.00%	2.62	85.90%
136.25	138.07	1.82	1.82	100.00%	1.51	82.97%
138.07	141.43	3.36	3.36	100.00%	3.00	89.29%
141.43	142.95	1.52	1.39	91.45%	1.30	85.53%
142.95	146.00	3.05	3.01	98.69%	2.68	87.87%
146.00	149.05	3.05	3.01	98.69%	2.56	83.93%
149.05	152.10	3.05	2.90	95.08%	2.92	95.74%
152.10	155.14	3.04	3.04	100.00%	2.72	89.47%
155.14	158.19	3.05	3.02	99.02%	2.54	83.28%
158.19	161.24	3.05	3.00	98.36%	2.76	90.49%
161.24	164.29	3.05	3.05	100.00%	2.93	96.07%
164.29	167.34	3.05	3.05	100.00%	2.71	88.85%
167.34	170.38	3.04	3.02	99.34%	2.77	91.12%
170.38	173.43	3.05	3.05	100.00%	2.89	94.75%
173.43	176.48	3.05	3.04	99.67%	2.75	90.16%
176.48	178.92	2.44	2.34	95.90%	2.05	84.02%
178.92	182.12	3.20	3.20	100.00%	2.31	72.19%
182.12	185.17	3.05	3.05	100.00%	2.63	86.23%
185.17	188.21	3.04	3.04	100.00%	2.37	77.96%
188.21	191.41	3.20	3.13	97.81%	3.14	98.13%
191.41	194.46	3.05	3.05	100.00%	2.41	79.02%
194.46	197.66	3.20	3.08	96.25%	2.30	71.88%
197.66	200.86	3.20	3.20	100.00%	1.85	57.81%
200.86	203.91	3.05	3.05	100.00%	2.40	78.69%
203.91	206.96	3.05	3.05	100.00%	2.70	88.52%
206.96	210.01	3.05	3.05	100.00%	1.15	37.70%
210.01	213.06	3.05	3.05	100.00%	0.68	22.30%
213.06	216.10	3.04	2.96	97.37%	0.55	18.09%
216.10	219.15	3.05	3.05	100.00%	0.99	32.46%
219.15	222.20	3.05	2.82	92.46%	1.55	50.82%
222.20	225.25	3.05	3.05	100.00%	2.64	86.56%
225.25	228.30	3.05	2.99	98.03%	2.44	80.00%
228.30	231.34	3.04	3.04	100.00%	2.16	71.05%
231.34	234.39	3.05	3.01	98.69%	2.49	81.64%
234.39	237.44	3.05	2.94	96.39%	2.23	73.11%
237.44	240.49	3.05	2.96	97.05%	1.54	50.49%
240.49	243.53	3.04	3.02	99.34%	1.81	59.54%
243.53	246.58	3.05	3.04	99.67%	1.85	60.66%
246.58	249.63	3.05	2.95	96.72%	2.19	71.80%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-52

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
249.63	252.68	3.05	3.05	100.00%	2.14	70.16%
252.68	255.73	3.05	3.03	99.34%	2.01	65.90%
255.73	258.78	3.05	3.00	98.36%	2.80	91.80%
258.78	261.82	3.04	3.03	99.67%	2.54	83.55%
261.82	264.87	3.05	2.97	97.38%	2.77	90.82%
264.87	267.92	3.05	3.00	98.36%	2.47	80.98%
267.92	270.97	3.05	3.05	100.00%	2.55	83.61%
270.97	274.01	3.04	3.04	100.00%	2.43	79.93%
274.01	277.06	3.05	2.76	90.49%	1.79	58.69%
277.06	278.59	1.53	1.51	98.69%	0.74	48.37%
278.59	280.11	1.52	1.52	100.00%	1.20	78.95%
280.11	283.16	3.05	2.72	89.18%	1.06	34.75%
283.16	286.21	3.05	2.97	97.38%	1.29	42.30%
286.21	287.43	1.22	1.22	100.00%	0.26	21.31%
287.43	290.47	3.04	2.68	88.16%	0.97	31.91%
290.47	293.22	2.75	2.36	85.82%	0.75	27.27%
293.22	296.27	3.05	3.05	100.00%	1.66	54.43%
296.27	297.79	1.52	1.52	100.00%	0.61	40.13%
297.79	300.84	3.05	3.05	100.00%	1.41	46.23%
300.84	303.89	3.05	2.95	96.72%	1.31	42.95%
303.89	306.63	2.74	2.29	83.58%	0.38	13.87%
306.63	307.54	0.91	0.91	100.00%	0.00	0.00%
307.54	310.29	2.75	2.75	100.00%	0.96	34.91%
310.29	313.33	3.04	3.04	100.00%	2.52	82.89%
313.33	316.69	3.36	3.36	100.00%	2.41	71.73%
316.69	319.74	3.05	3.04	99.67%	2.48	81.31%
319.74	322.78	3.04	3.04	100.00%	1.98	65.13%
322.78	325.83	3.05	2.94	96.39%	2.38	78.03%
325.83	328.88	3.05	3.05	100.00%	2.17	71.15%
328.88	330.10	1.22	1.16	95.08%	0.82	67.21%
330.10	333.15	3.05	3.05	100.00%		0.00%
333.15	336.65	3.50	3.34	95.43%	2.48	70.86%
336.65	339.70	3.05	3.05	100.00%	1.67	54.75%
339.70	343.20	3.50	3.28	93.71%	2.3	65.71%
343.20	344.12	0.92	0.90	97.83%	0.1	10.87%
344.12	347.17	3.05	3.05	100.00%	1.76	57.70%
347.17	350.22	3.05	2.92	95.74%	1.75	57.38%
350.22	353.26	3.04	3.04	100.00%	1.72	56.58%
353.26	356.31	3.05	3.05	100.00%	2.49	81.64%
356.31	359.36	3.05	2.95	96.72%	1.93	63.28%
359.36	362.41	3.05	3.00	98.36%	1.39	45.57%
362.41	363.93	1.52	1.52	100.00%	0.82	53.95%
363.93	366.98	3.05	3.05	100.00%	2.81	92.13%
366.98	370.03	3.05	3.05	100.00%	1.59	52.13%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-52

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
370.03	371.55	1.52	1.26	82.89%	0.51	33.55%
371.55	373.99	2.44	2.44	100.00%	1.7	69.67%
373.99	376.43	2.44	2.33	95.49%	1.76	72.13%
376.43	379.48	3.05	3.05	100.00%	1.8	59.02%
379.48	380.70	1.22	1.22	100.00%	0.96	78.69%
380.70	383.74	3.04	3.00	98.68%	2.4	78.95%
383.74	386.79	3.05	2.94	96.39%	1.93	63.28%
386.79	389.84	3.05	3.03	99.34%	2.54	83.28%
389.84	391.06	1.22	1.17	95.90%	0.71	58.20%
391.06	394.11	3.05	2.93	96.07%	2.09	68.52%
394.11	394.41	0.30	0.30	100.00%	0	0.00%
394.41	397.46	3.05	3.05	100.00%	2.2	72.13%
397.46	400.20	2.74	2.60	94.89%	1.89	68.98%
400.20	403.25	3.05	3.05	100.00%	2.06	67.54%
403.25	405.08	1.83	1.83	100.00%	1.63	89.07%
405.08	408.13	3.05	2.99	98.03%	2.59	84.92%
408.13	411.17	3.04	3.01	99.01%	2.57	84.54%
411.17	414.22	3.05	3.05	100.00%	2.72	89.18%
414.22	417.27	3.05	3.00	98.36%	1.86	60.98%
417.27	420.32	3.05	2.97	97.38%	2.53	82.95%
420.32	423.37	3.05	3.01	98.69%	2.84	93.11%
423.37	426.42	3.05	3.03	99.34%	2.44	80.00%
426.42	429.46	3.04	3.01	99.01%	2.31	75.99%
429.46	432.51	3.05	2.98	97.70%	2.28	74.75%
432.51	435.56	3.05	2.94	96.39%	2.6	85.25%
435.56	438.61	3.05	2.99	98.03%	2.51	82.30%
438.61	440.13	1.52	1.52	100.00%	0.17	11.18%
440.13	EOH					

Hole No: TCU93-53
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15544.42
(metres) E: 10597.79

Azimuth: 154.4
Dip: -65.6
Length (m): 580.03
Elevation: 113.50
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 1, 1993
Completed: Aug 11, 1993
Recovery:

Date Logged: Aug. 2 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 1:08pm

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	154.4	-65.6															
3.3	154.2	-65.5	97.8	154.9	-65.7	192.3	157.1	-65.3	286.8	157.9	-65.3	381.3	160.1	-64.8	475.8	162.2	-64.6
6.5	154.2	-65.5	101.0	155.1	-65.7	195.5	157.3	-65.2	290.0	157.9	-65.3	384.5	160.1	-64.8	479.0	162.4	-64.6
9.8	154.0	-65.5	104.3	155.1	-65.7	198.8	157.1	-65.1	293.3	157.9	-65.4	387.8	160.1	-64.8	482.3	162.2	-64.6
13.0	154.0	-65.5	107.5	155.3	-65.7	202.0	156.8	-65.0	296.5	157.9	-65.4	391.0	160.3	-64.7	485.5	162.4	-64.6
16.3	153.8	-65.4	110.8	155.5	-65.7	205.3	157.1	-65.1	299.8	157.9	-65.4	394.3	160.3	-64.7	488.8	162.4	-64.6
19.5	153.8	-65.4	114.1	155.7	-65.6	208.6	157.1	-65.1	303.0	158.1	-65.4	397.5	160.3	-64.7	492.0	162.4	-64.6
22.8	153.5	-65.4	117.3	156.0	-65.6	211.8	157.1	-65.1	306.3	158.1	-65.4	400.8	160.3	-64.6	495.3	162.4	-64.5
26.1	153.8	-65.4	120.6	156.0	-65.6	215.1	157.1	-65.1	309.6	158.1	-65.4	404.1	160.3	-64.6	498.6	162.7	-64.6
29.3	153.8	-65.4	123.8	156.0	-65.6	218.3	157.1	-65.2	312.8	158.4	-65.4	407.3	160.5	-64.6	501.8	162.7	-64.6
32.6	153.8	-65.4	127.1	156.0	-65.6	221.6	157.1	-65.1	316.1	158.4	-65.4	410.6	160.5	-64.6	505.1	162.7	-64.6
35.8	153.8	-65.4	130.3	156.0	-65.6	224.8	157.3	-65.2	319.3	158.4	-65.4	413.8	160.5	-64.6	508.3	162.9	-64.5
39.1	154.0	-65.4	133.6	156.0	-65.6	228.1	157.5	-65.1	322.6	158.4	-65.4	417.1	160.7	-64.6	511.6	162.9	-64.5
42.4	154.0	-65.4	136.9	156.2	-65.5	231.4	157.5	-65.2	325.9	158.4	-65.4	420.4	160.7	-64.6	514.9	162.9	-64.5
45.6	154.0	-65.4	140.1	156.0	-65.6	234.6	157.5	-65.2	329.1	158.4	-65.4	423.6	160.7	-64.6	518.1	162.9	-64.4
48.9	154.2	-65.5	143.4	156.0	-65.6	237.9	157.5	-65.2	332.4	158.4	-65.4	426.9	161.0	-64.6	521.4	162.9	-64.4
52.1	154.2	-65.6	146.6	156.0	-65.6	241.1	157.5	-65.1	335.6	158.6	-65.3	430.1	161.2	-64.6	524.6	162.9	-64.4
55.4	154.2	-65.6	149.9	156.0	-65.6	244.4	157.7	-65.2	338.9	158.6	-65.4	433.4	161.4	-64.6	527.9	162.9	-64.5
58.7	154.4	-65.6	153.2	156.0	-65.6	247.7	157.7	-65.2	342.2	158.8	-65.3	436.7	161.4	-64.6	531.2	163.1	-64.5
61.9	154.4	-65.5	156.4	156.0	-65.6	250.9	157.9	-65.2	345.4	159.0	-65.2	439.9	161.6	-64.6	534.4	163.3	-64.5
65.2	154.4	-65.5	159.7	156.0	-65.5	254.2	158.1	-65.2	348.7	159.0	-65.2	443.2	161.6	-64.6	537.7	163.3	-64.5
68.4	154.6	-65.5	162.9	156.2	-65.5	257.4	158.1	-65.2	351.9	159.2	-65.1	446.4	161.8	-64.6	540.9	163.3	-64.5
71.7	154.6	-65.5	166.2	156.4	-65.4	260.7	158.1	-65.2	355.2	159.2	-65.1	449.7	161.8	-64.6	544.2	163.3	-64.6
74.9	154.6	-65.5	169.4	156.6	-65.3	264.0	158.1	-65.2	358.5	159.2	-65.1	453.0	161.8	-64.6	547.5	163.3	-64.6
78.2	154.6	-65.5	172.7	156.8	-65.3	267.2	157.9	-65.1	361.7	159.5	-65.1	456.2	161.8	-64.6	550.7	163.5	-64.6
81.5	154.6	-65.6	176.0	156.8	-65.3	270.5	157.9	-65.1	365.0	159.5	-65.1	459.5	161.8	-64.6	554.0	163.5	-64.6
84.7	154.6	-65.6	179.2	157.1	-65.3	273.7	157.9	-65.1	368.2	159.5	-65.1	462.7	162.0	-64.5	557.2	163.5	-64.6
88.0	154.9	-65.6	182.5	157.1	-65.3	277.0	157.9	-65.1	371.5	159.7	-65.0	466.0	162.0	-64.6	560.5	163.7	-64.5
91.2	154.9	-65.7	185.7	157.1	-65.3	280.2	157.9	-65.1	374.7	159.7	-65.0	469.2	162.2	-64.6	563.7	163.7	-64.5
94.5	154.9	-65.7	189.0	157.1	-65.3	283.5	158.1	-65.2	378.0	159.9	-64.9	472.5	162.2	-64.6	567.0	163.7	-64.5

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.61	CASING										
.61	5.03	BASALT UNDIFFERENTIATED; (CHLORITIZATION) Massive, dark green, chloritic, fine grained, undifferentiated mafic intrusion or flow. Chlorite microfractures with lighter green silica envelopes (<5mm, randomly orientated). Lower contact silicified over 0.5 metres and cut by numerous chlorite ± epidote ± albite microfractures; lower contact @ 40° to CA.										
5.03	6.04	VOLCANIC SEDIMENTS; Laminated, dark grey to black, mafic tuffaceous siltstone. Rare quartz + chlorite ± epidote ± calcite fractures (randomly orientated, <1cm). Bedding @ 50° to CA; weak foliation parallel to bedding. Lower contact sharp @ 50° to CA.										
6.04	7.01	FELDSPAR-PHYRIC DACITE ASH TUFF; Layered, greyish green, feldspar (<2mm) crystal rich dacite ash tuff; rare lapilli (<1cm, wispy) of light green, aphanitic felsic volcanic. Layering @ 40° to CA. Unit may represent the distal edge of a ash flow deposit.										
7.01	17.37	VOLCANIC SEDIMENTS; (SILICIFICATION) Faintly laminated, greenish brown, siliceous, tuffaceous argillite; unit overprinted by metamorphic biotite. Chlorite fractures (<2mm, randomly orientated) with white to light green silica envelopes (<1cm). Laminations (<5mm) average 30° to CA; weak foliation @ 20° to CA. Lower contact sharp @ 70° to CA. 9.75 10.06 BASALTIC INTRUSION; Massive, medium green, fine grained mafic dyke or large clast. Upper contact sharp and irregular; lower contact sharp @ 55° to CA (underlying sediments brecciated @ contact).										
17.37	28.35	BASALT UNDIFFERENTIATED; (SILICIFICATION) Massive, dark greenish black, fine grained, undifferentiated mafic subvolcanic intrusion or flow; pyroxene (<3mm, euhedral) phyric in part. Vein types include (i) chlorite fractures (<1cm, randomly orientated) with silica envelopes (1cm to pervasive silica flooded zones where increased fractures) and (ii) calcite ± chlorite microfractures (<2mm, 45° to CA). Lower contact brecciated and silicified over 0.30 metres (white to brownish black silicified breccia clasts (interlocking in part) in a dark green chloritic matrix. 18.44 20.42 Broken and chlorite ± calcite fractured core; fractures @ low angle to core. 21.95 23.77 Broken and chlorite ± calcite fractured core; fractures @ low angle to core.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
28.35	46.94	VOLCANIC SEDIMENTS; (CHLORITIZATION) Faintly laminated, dark brownish green, chloritic mafic ash tuff, tuffaceous argillite, with lesser greyish green cherty tuff sections. Laminations (<1cm) @ 70° to CA. Lower contact bleached and altered. 37.18 39.62 Chlorite ± calcite fractured, white ('BLEACHED') strongly silicified interval; fractures @ 15 and 60° to CA. 39.62 41.07 Chlorite fractured and broken core; fractures @ low angles to CA. 41.38 41.60 Chlorite fractured (<3mm, 60° to CA) and silica flooded interval. 43.58 44.20 Similar to 41.38 - 41.60 metres. 45.87 46.94 Chlorite + calcite fractured silica flooded interval; fractures @ low angle to core.										
46.94	52.04	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; Massive, dark green, feldspar (<2mm, euhedral) phyric, undifferentiated mafic intrusion or flow. Vein types include (i) rare chlorite + magnetite ± epidote + calcite + quartz veins (<3cm, @ 40° to CA) and (ii) numerous chlorite microfractures with greyish green silica envelopes (<5mm, 50-70° to CA average). Lower contact sharp @ 50° to CA.										
52.04	54.28	VOLCANIC SEDIMENTS; Faintly laminated to bedded, dark green to grey, mafic ash tuff, tuffaceous argillite and tuffaceous chert. Bedding @ 50 - 60° to CA. Lower contact is marked by alteration associated with fault; alteration contact sharp @ 30° to CA. 52.65 52.88 Quartz + calcite ± chlorite + pyrrhotite vein (@ 60° to CA).										
54.28	57.15	FAULT Greyish green (bleached) silicified interval related to fault zone; protolith is volcanic sediments. Interval cut by numerous chlorite microfractures (@ 70° to CA) and calcite ± quartz fractures (<5mm, @ low angles to core). Core is broken throughout interval; clay gouge from 56.08 to 56.39 metres. Shearing appears to be @ 40° to CA. Lower contact is gradational over 0.5 metres.										
57.15	58.75	VOLCANIC SEDIMENTS; Faintly laminated to bedded, brown biotite altered tuffaceous argillite and medium to dark green mafic ash tuff. Bedding @ 60° to CA. Lower contact sharp @ 60° to CA.										
58.75	118.57	FELDSPAR PHYRIC BASALT INTRUSION; (PROPYLITIC) Massive, dark green, propylitically altered, feldspar (<3mm, grain size largest in core of interval) phyric, mafic subvolcanic intrusion; locally amphibole (<2mm) phyric. Vein types include (i) rare quartz ± calcite ± chlorite veins (<1cm, @ 60° to CA average) and (ii) chlorite ± magnetite veins (<1cm) with silica envelopes (<1cm). Gradational lower contact										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		(approximately 2.0 metres) marked by decrease in grain size. 85.34 86.72 Finer grained and brecciated interval--flow breccia (?). Lower and upper contact @ 60° to CA. 108.81 110.64 Quartz + calcite + magnetite vein (<2cm, @ 0° to CA).										
118.57	208.79	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green to black, propylitically altered, fine grained to aphanitic (variable), mafic subvolcanic intrusion; finer grained margin to above interval. Minor quartz ± calcite ± epidote ± chlorite ± magnetite veins. 121.31 122.83 Chlorite fractured and broken core (@ 30 - 40° to CA). 134.72 135.03 Broken and ground core. Quartz ± calcite ± chlorite healed shear zone (@ 65° to CA); silicified. 138.53 138.68 Chlorite + epidote + carbonate + magnetite altered zone; gradational contacts. 143.36 143.46 Quartz + chlorite ± albite (?) + magnetite vein (@ 40 - 50° to CA, irregular). 148.44 148.74 Epidote + hematite (after magnetite) altered zone associated with randomly orientated fractures. 163.07 167.33 Calcite fractured interval (<2mm, @ 30° to CA). From 164.29 - 164.39 metres brecciated calcite + quartz fracture @ 35° to CA. 174.71 174.81 Quartz + chlorite + epidote + magnetite vein (@ 70° to CA). 176.17 176.24 Similar to 174.71 - 174.81 metres (@ 50° to CA). 176.17 179.83 Quartz + calcite + chlorite amygdaloidal (<5mm) interval; amygdules rimmed by epidote. 178.00 178.06 Quartz + chlorite + calcite ± chalcopyrite fracture (@ 50° to CA). 179.83 179.95 Silica infilled breccia--silicified flow breccia (?). Breccia clasts are <2cm diameter, angular and interlocking. 195.47 195.99 Chlorite fractured and broken core (@ low angles to CA). 199.95 200.25 Chlorite ± calcite fractured and broken core @ 30° to CA. 202.39 208.79 Minor disseminated fine grained (<1mm) cordierite.										
208.79	209.24	DACITE ASH TUFF; Massive, greenish grey, dacite ash tuff. Lower contact sharp @ 50° to CA.										
209.24	211.99	DACITE LAPILLI TUFF; (HEMATITE) Layered, dark green and maroon, hematitic, heterolithic dacite lapilli tuff. Hematite occurs as fine grained disseminations throughout interval and as cherty lapilli size clasts. Lapilli are 1-3cm diameter, subangular (wispy), matrix to clast supported, and mainly felsic volcanic; other clast types include dark green to black mafic volcanic, dark green epidote amygdaloidal (<3mm) feldspar phyric mafic volcanic, and hematitic chert/cherty tuff. Foliation parallel to layering @ 40° to CA. Some hematitic volcanic sediment (dacite dust tuff and tuffaceous argillite) and ash tuff laminae/beds in bottom metre of interval. Lower contact										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		sharp @ 40° to CA.										
211.99	212.23	VOLCANIC SEDIMENTS; (HEMATITE) Interlayered, dark maroon (hematitic), tuffaceous argillite (60-70%) and thin wispy greenish grey dacite ash tuff layers (30%, <4mm thick). Layering @ 35° to CA. Lower contact sharp @ 60° to CA.										
212.23	213.99	DACITE LAPILLI TUFF; (HEMATITE) Interbedded, greyish green with maroon tinge, dacite ash tuff (20%), fine lapilli tuff (60%), and maroon volcanic sediment (20%, similar to 211.99 - 212.23 metres). Lapilli are <1cm and mainly dacite in composition; larger lapilli (3cm) are wispy and sericite ± chlorite altered (pumiceous clasts ?). Bedding @ 40° to CA; grading in lapilli tuff interval indicates tops up. Lower contact sharp @ 50° to CA.										
213.99	215.19	DACITE ASH TUFF; (HEMATITE) Thinly laminated, greyish green with maroon tinge, dacite ash tuff, lesser dacite dust tuff, and minor tuffaceous argillite. Laminations @ 50° to CA. Lower contact gradational.										
215.19	220.22	VOLCANIC SEDIMENTS; (CORDIERITE) (BIOTITIZATION) Faintly laminated, brown and grey, biotite + cordierite (<2mm, subhedral to euhedral) metamorphosed, tuffaceous argillite. Laminations @ 50° to CA. Lower contact gradational.										
220.22	223.42	DACITE ASH TUFF; (HEMATITE) Layered to bedded, dark grey with maroon tinge (hematitic), dacite ash and lapilli tuff. Lapilli are <1cm diameter and wispy (ash flow deposit ?). Unit is strongly magnetic. Layering @ 35° to CA. Lower contact gradational over 0.5 metres.										
223.42	236.22	DACITE LAPILLI TUFF; (SERICITIZATION) (CHLORITIZATION) Layered, greyish green with maroon tinge, sericite + chlorite altered dacite lapilli tuff. Lapilli are <2 cm diameter, wispy, aligned and dark green chlorite altered dacite; matrix is lighter greyish green sericite altered ash. Layering @ 40° to CA. Rare chlorite ± epidote veins (<1cm, @ 30° to CA) with quartz envelopes (<1cm). Interval may be ash flow deposit (?). Lower contact chlorite + calcite shear @ 45° to CA. 226.70 226.77 Chlorite + calcite shear @ 50° to CA; minor gouge (<5mm).										
236.22	245.82	DACITE ASH TUFF; (HEMATITE) Laminated to bedded, dark greyish green and maroon, chlorite + hematite altered, dacite dust, ash and lesser heterolithic lapilli tuff; rare large clasts (<30 cm) of feldspar ± quartz phyric dacite flow. Hematite occurs as fine grained disseminations throughout interval and as rare cherty laminae and lapilli. Minor soft sediment deformation in dust tuff beds. Laminations @ 40° to CA. Lower contact gradational.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
245.82	261.52	DACITE LAPILLI TUFF; (CHLORITIZATION) (HEMATITE) Layered (foliated matrix), dark green with maroon tinge, dacite lapilli tuff; lapilli consist mainly of dark green, chloritic wispy clasts (<2cm) and light greyish green to maroon, feldspar (<2mm) phyric dacite flow clasts (4 - 30 cm diameter, rounded). Disseminated fine grained hematite throughout interval. Layering and foliation @ 50° to CA. Minor chlorite + epidote + calcite ± garnet veins (<2cm) with white quartz envelopes (<1cm). Interval appears to be mixed unit of lapilli tuff and underlying brecciated flow. Lower contact gradational.										
261.52	304.19	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, greyish green and maroon, hematitic, feldspar (<3mm, euhedral) and quartz (<1mm) phyric dacite flow; top 20 and bottom 10 metres of interval is green and flow brecciated in part. Breccia clasts are white to maroon, <10cm diameter, rounded, and silica ± albite (?) altered in a darker green matrix. Vein types include (i) chlorite ± epidote microfractures (<2mm, randomly orientated) with silica envelopes (<4mm) and (ii) rare chlorite + epidote + calcite fractures (1cm) with silica envelopes (1cm). Lower contact sharp @ 50° to CA. 265.79 266.43 BASALTIC INTRUSION; Massive, dark green to black, fine grained to aphanitic mafic flow. Upper contact irregular @ 60° to CA; lower contact sharp @ 50° to CA. 269.14 269.58 BASALTIC INTRUSION; Similar to 265.79 - 266.43 metres. Upper contact irregular @ 70° to CA; lower contact irregular @ 70° to CA. 272.80 273.17 AMPHIBOLE PHYRIC BASALT INTRUSION; Massive, dark green, chlorite altered, amphibole (<3mm, chlorite altered) phyric mafic dyke. Upper contact (1cm) chilled @ 60° to CA; lower contact chilled (2cm) @ 70° to CA. 273.80 274.18 BASALTIC INTRUSION; Similar to 265.79 - 266.43 metres. Upper contact sharp @ 50° to CA; lower contact sharp @ 50° to CA.										
304.19	311.81	BASALTIC INTRUSION; (PROPYLITIC) Massive, dark green, propylitically altered (chlorite + epidote), fine grained, mafic subvolcanic intrusion; chilled margin to interval below. Lower contact gradational (over 2 metres).										
311.81	360.43	FELDSPAR PHYRIC BASALT INTRUSION; (PROPYLITIC) Massive, dark green, propylitically altered, feldspar (<3mm, euhedral) and in part amphibole (<2mm) phyric, mafic subvolcanic intrusion; some fine grained intervals similar to 304.19 - 311.81 metres. 328.99 329.24 Silica + chlorite + epidote + magnetite altered zone @ 30 - 40° to CA. Lower contact gradational.										
360.43	453.96	BASALTIC INTRUSION; (PROPYLITIC)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Similar to 304.19 - 311.81 metres; chilled margin to interval above. Quartz + chlorite ± magnetite veins (approximately 40° to CA, <1cm diameter, 1/30 cm). Lower contact sharp and irregular @ 65° to CA.										
		367.28 368.81 Broken and fractured (chlorite + calcite, low angles to CA) core.										
		370.64 371.24 Similar to 367.28 - 368.81 metres.										
		386.79 387.40 Broken and fractured (chlorite + calcite, low angles to CA) core.										
		400.25 401.00 Broken and fractured (chlorite, <1cm gouge, @ 15° to CA) core.										
		430.65 430.75 Quartz + chlorite vein @ 55° to CA.										
453.96	466.50	FELDSPAR PHYRIC DACITE FLOWS; (SILICIFICATION) Massive, dark and light greyish green, silica + chlorite ± magnetite altered, feldspar (1-2mm, euhedral) and quartz (<1mm) phyric, dacite flow and flow breccia. Chlorite + epidote ± garnet ± calcite ± pyrite ± magnetite veins (<3cm, 10 and 50° to CA) with silica envelopes (<1cm) to pervasive silica flooded zones. Disseminated very fine grained pyrite (<1%). Lower contact sharp @ 40° to CA.										
466.50	467.75	DACITE ASH TUFF; (SERICITIZATION) Laminated, greenish grey, sericite + silica altered dacite ash to lapilli tuff; quartz eyes throughout interval. Laminations (<5mm) @ 40° to CA. Interval is coarser towards bottom of interval--debris flow; right way up. Sphalerite (brown) ± galena and pyrite ± chalcopyrite clasts in bottom of interval. Disseminated and stringer very fine grained pyrite (1-2%), minor sphalerite and galena and trace chalcopyrite. Lower contact sharp @ 30° to CA.										
467.75	472.45	FELDSPAR PHYRIC DACITE FLOWS; (SILICIFICATION) Massive, light green and darker greyish green, feldspar (<2mm) and quartz (<1mm) phyric dacite flow; chlorite ± epidote veins with silica envelopes to pervasive zones (light grey, 90% of interval). Disseminated and stringers fine grained pyrite (<1%) and rare chalcopyrite stringers (<3mm).										
		467.75 468.00 Brecciated flow top; breccia clasts are grey, silicified, angular, interlocking in part, <3cm diameter. Matrix is dark green and chloritic.										
472.45	473.85	ZINC FACIES; Faintly layered, heavy disseminated sphalerite (light brown, 30-40%), lesser galena (3-4%), pyrite (2-5%) and barite (white, 50%). Barite occurs as matrix to sulphides, laminae (<1cm) and clasts (subangular, <1cm diameter). Layering @ 55° to CA. Rare wispy dacite clasts (feldspar phyric, <1cm, sericite altered) near top of interval (interval appears to be fine debris flow--turbidity flow).	68250	472.45	473.15	.70	11.49	472.17	1.02	4.62	27.40	
			68251	473.15	473.85	.70	9.09	504.06	1.10	3.96	21.11	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
473.85	474.85	BASALT UNDIFFERENTIATED; (SILICIFICATION) (STRINGER CHALCOPYRITE) Massive, dark green and grey, quartz veined, strongly silicified, fine grained mafic flow or subvolcanic intrusion. White quartz + chalcopyrite (2%) ± pyrite ± magnetite ± chlorite stringers and veins with silica envelopes to pervasive zones of silica flooding. Lower contact sharp and irregular @ 80° to CA.	68252	473.85	474.55	.70	.86	31.55	1.17	.15	.69	
474.85	477.35	BASALTIC INTRUSION; Massive, dark green, fine grained to aphanitic, mafic dyke (?). Vein types are (i) quartz + chlorite + epidote + garnet veins (<1cm, parallel to foliation @ 10-30° to CA, and folded by later deformation) and (ii) quartz + calcite veins (<10cm, @ 60-70° to CA, late tensional veins) with minor garnet + epidote. Minor intervals with disseminated cordierite (<5mm, euhedral). Lower contact @ 30° to CA.										
477.35	479.50	BASALT UNDIFFERENTIATED; (SILICIFICATION) (STRINGER PYRITE) Massive, light to dark grey, quartz + pyrite veined, silicified, fine grained to aphanitic, mafic flow or subvolcanic intrusion. Pyrite (3-5%) occurs as fine grained disseminations and stringers (<2mm). Lower contact chlorite ± calcite shear @ 30° to CA.										
479.50	487.68	FAULT Strongly fractured (chlorite ± calcite, @ 10-20° to CA, slickensides), broken and ground core; minor gouge (<5mm) along some fractures. Interval consists of chlorite + cordierite (<5mm, euhedral, retrograded to chlorite + sericite) ± silica altered mafic flow. Fine grained disseminated fracture controlled pyrite (1-2%).										
487.68	501.79	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; (SILICIFICATION) (HEMATITE) Foliated, dark green to greenish grey with maroon tinge, silica + chlorite altered, feldspar (<2mm) phyric mafic flow or subvolcanic intrusion. Silica + chlorite alteration varies from weak fractured controlled alteration to intense zones of pervasive silica ± hematite ± chlorite alteration. Foliation @ 40° to CA. Vein types include (i) minor quartz + chlorite veins (<5mm, randomly orientated) with silica envelopes to pervasive zones and (ii) chlorite + epidote ± calcite ± garnet veins (<1cm, 60-70° to CA) and (iii) magnetite ± hematite stringers (<5mm, parallel to foliation). Disseminated and stringer very fine grained pyrite (1%). Lower contact gradational.										
501.79	505.36	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (SERICITIZATION) Foliated, whitish green, chlorite + sericite (bleached) fine grained to aphanitic mafic flow or subvolcanic intrusion. Foliation and chlorite fractures (<1mm) @ 30° to CA. Lower contact gradational.										
505.36	526.00	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; (SILICIFICATION) (HEMATITE) Similar to 487.68 - 501.79 metres. Foliation @ 40° to CA.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		513.85 514.50 Broken and chlorite fractured core; minor gouge (<2mm) @ 10° to core.										
		518.45 526.00 Strongly silicified interval with chlorite + pyrite (<2%) ± chalcopyrite (<1%) stringers.										
526.00	580.03	BASALT UNDIFFERENTIATED; Massive to faintly foliated, dark green to black, fine grained to aphanitic mafic flow or subvolcanic intrusions, rare breccia and interflow tuffaceous sediment; in part amphibole (<1mm) and feldspar (<1mm) phyric. Foliation @ 40-50° to CA. Vein types include (i) silica veinlets (<5mm), (ii) epidote ± garnet ± quartz ± calcite veins (<15cm) and (iii) barite vein (<2cm thick, @ 25° to CA, 575.61m). Disseminated fine grained pyrite (<1%).										
580.03		EOH										

Hole No: TCU93-53
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15544.42
(metres) E: 10597.79

Azimuth: 154.4
Dip: -65.6
Length (m): 580.03
Elevation: 113.50
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 1, 1993
Completed: Aug 11, 1993
Recovery:

Date Logged: Aug. 2 - 13, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
1:07pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68250	472.45	473.15	.70	4.26	11.49	472.17	1.02	4.62	27.40	10800	144.7	3119	42854	99999	3.71	735	1095	1355	51
68251	473.15	473.85	.70	4.30	9.09	504.06	1.10	3.96	21.11	8040	154.1	4077	28261	99999	6.23	873	786	1390	69
68252	473.85	474.55	.70	2.83	.86	31.55	1.17	.15	.69	520	25.8	10775	1204	6554	4.44	42	27	40	56

Hole No: TCU93-53
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Property: Tulsequah Chief
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(metres) E: 10597.79

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Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68250	472.45	473.15	.70	2	5	1	72	17	2	24	7	2	.10	2	1	.04	.01	2	3
68251	473.15	473.85	.70	5	5	1	57	13	2	18	5	2	.08	2	2	.03	.01	2	2
68252	473.85	474.55	.70	2	12	10	468	5	2	59	2	39	.97	3	23	1.31	.10	2	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-53

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	5.18	5.18	4.09	78.96%	1.79	34.56%
5.18	8.23	3.05	3.03	99.34%	2.46	80.66%
8.23	11.28	3.05	3.05	100.00%	1.51	49.51%
11.28	14.33	3.05	2.97	97.38%	1.54	50.49%
14.33	17.37	3.04	3.04	100.00%	1.35	44.41%
17.37	20.42	3.05	2.83	92.79%	0.89	29.18%
20.42	22.25	1.83	1.83	100.00%	0.82	44.81%
22.25	23.01	0.76	0.76	100.00%	0.00	0.00%
23.01	23.47	0.46	0.46	100.00%	0.00	0.00%
23.47	26.52	3.05	3.02	99.02%	1.02	33.44%
26.52	29.57	3.05	3.05	100.00%	1.08	35.41%
29.57	32.61	3.04	3.04	100.00%	0.62	20.39%
32.61	35.66	3.05	2.89	94.75%	1.70	55.74%
35.66	38.71	3.05	3.05	100.00%	1.45	47.54%
38.71	41.76	3.05	3.05	100.00%	0.87	28.52%
41.76	44.81	3.05	3.05	100.00%	2.23	73.11%
44.81	47.24	2.43	2.43	100.00%	0.44	18.11%
47.24	50.29	3.05	3.05	100.00%	2.41	79.02%
50.29	50.90	0.61	0.57	93.44%	0.28	45.90%
50.90	53.95	3.05	3.02	99.02%	2.71	88.85%
53.95	56.39	2.44	2.44	100.00%	0.28	11.48%
56.39	59.44	3.05	3.05	100.00%	1.32	43.28%
59.44	63.09	3.65	3.51	96.16%	2.80	76.71%
63.09	66.14	3.05	3.04	99.67%	1.85	60.66%
66.14	69.19	3.05	3.05	100.00%	2.29	75.08%
69.19	72.24	3.05	3.05	100.00%	2.08	68.20%
72.24	75.28	3.04	3.00	98.68%	2.93	96.38%
75.28	78.33	3.05	3.05	100.00%	2.79	91.48%
78.33	81.38	3.05	3.05	100.00%	1.90	62.30%
81.38	84.43	3.05	3.01	98.69%	2.69	88.20%
84.43	87.48	3.05	2.88	94.43%	2.06	67.54%
87.48	90.53	3.05	2.88	94.43%	1.95	63.93%
90.53	93.57	3.04	3.03	99.67%	2.54	83.55%
93.57	96.62	3.05	3.05	100.00%	3.05	100.00%
96.62	99.67	3.05	3.05	100.00%	2.93	96.07%
99.67	102.72	3.05	3.05	100.00%	2.61	85.57%
102.72	105.77	3.05	2.87	94.10%	2.56	83.93%
105.77	108.36	2.59	1.94	74.90%	1.49	57.53%
108.36	110.19	1.83	1.67	91.26%	1.52	83.06%
110.19	111.86	1.67	1.67	100.00%	1.12	67.07%
111.86	114.60	2.74	2.74	100.00%	2.74	100.00%
114.60	117.65	3.05	3.02	99.02%	2.70	88.52%
117.65	118.87	1.22	1.02	83.61%	0.78	63.93%
118.87	121.01	2.14	2.14	100.00%	1.43	66.82%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-53

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
121.01	122.83	1.82	1.72	94.51%	0.30	16.48%
122.83	124.05	1.22	1.22	100.00%	1.22	100.00%
124.05	127.10	3.05	3.05	100.00%	1.73	56.72%
127.10	130.15	3.05	3.05	100.00%	2.51	82.30%
130.15	133.20	3.05	2.95	96.72%	2.70	88.52%
133.20	136.25	3.05	3.05	100.00%	2.10	68.85%
136.25	139.29	3.04	3.04	100.00%	2.30	75.66%
139.29	142.34	3.05	2.97	97.38%	2.65	86.89%
142.34	145.39	3.05	2.95	96.72%	2.72	89.18%
145.39	148.29	2.90	2.82	97.24%	1.58	54.48%
148.29	151.49	3.20	3.19	99.69%	1.87	58.44%
151.49	153.31	1.82	1.82	100.00%	0.56	30.77%
153.31	154.53	1.22	1.22	100.00%	0.73	59.84%
154.53	157.58	3.05	2.98	97.70%	2.27	74.43%
157.58	160.63	3.05	3.02	99.02%	2.49	81.64%
160.63	163.22	2.59	2.59	100.00%	1.69	65.25%
163.22	164.29	1.07	1.04	97.20%	0.00	0.00%
164.29	166.73	2.44	2.44	100.00%	0.90	36.89%
166.73	169.77	3.04	2.96	97.37%	2.18	71.71%
169.77	172.82	3.05	3.05	100.00%	2.78	91.15%
172.82	175.87	3.05	2.98	97.70%	2.15	70.49%
175.87	178.92	3.05	3.05	100.00%	2.50	81.97%
178.92	181.97	3.05	3.05	100.00%	2.68	87.87%
181.97	185.01	3.04	2.99	98.36%	2.70	88.82%
185.01	188.06	3.05	3.05	100.00%	2.72	89.18%
188.06	191.11	3.05	2.94	96.39%	2.53	82.95%
191.11	194.16	3.05	2.95	96.72%	2.65	86.89%
194.16	195.99	1.83	1.83	100.00%	1.14	62.30%
195.99	196.90	0.91	0.91	100.00%	0.26	28.57%
196.90	200.25	3.35	3.21	95.82%	1.78	53.13%
200.25	202.34	2.09	2.09	100.00%	1.28	61.24%
202.34	204.83	2.49	2.49	100.00%	1.46	58.63%
204.83	206.04	1.21	1.21	100.00%	0.58	47.93%
206.04	208.48	2.44	2.44	100.00%	1.13	46.31%
208.48	211.68	3.20	2.96	92.50%	2.33	72.81%
211.68	214.73	3.05	3.05	100.00%	2.02	66.23%
214.73	217.78	3.05	3.05	100.00%	0.94	30.82%
217.78	219.76	1.98	1.83	92.42%	1.27	64.14%
219.76	221.59	1.83	1.49	81.42%	1.28	69.95%
221.59	224.49	2.90	2.90	100.00%	2.29	78.97%
224.49	226.77	2.28	2.28	100.00%	1.30	57.02%
226.77	229.82	3.05	3.05	100.00%	2.95	96.72%
229.82	232.87	3.05	3.05	100.00%	2.11	69.18%
232.87	235.92	3.05	3.05	100.00%	2.44	80.00%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-53

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
235.92	239.27	3.35	3.11	92.84%	2.44	72.84%
239.27	242.32	3.05	3.03	99.34%	2.64	86.56%
242.32	245.36	3.04	3.04	100.00%	2.81	92.43%
245.36	245.97	0.61	0.61	100.00%	0.49	80.33%
245.97	249.02	3.05	2.88	94.43%	2.53	82.95%
249.02	252.07	3.05	3.00	98.36%	2.74	89.84%
252.07	255.12	3.05	3.05	100.00%	2.75	90.16%
255.12	258.17	3.05	3.05	100.00%	2.94	96.39%
258.17	259.69	1.52	1.52	100.00%	0.43	28.29%
259.69	261.21	1.52	1.52	100.00%	1.46	96.05%
261.21	264.26	3.05	3.05	100.00%	2.01	65.90%
264.26	267.31	3.05	3.05	100.00%	2.18	71.48%
267.31	270.36	3.05	3.05	100.00%	2.35	77.05%
270.36	273.41	3.05	3.05	100.00%	1.65	54.10%
273.41	276.15	2.74	2.71	98.91%	1.69	61.68%
276.15	277.67	1.52	1.52	100.00%	1.18	77.63%
277.67	279.50	1.83	1.73	94.54%	1.40	76.50%
279.50	282.55	3.05	2.86	93.77%	2.43	79.67%
282.55	284.07	1.52	1.41	92.76%	1.15	75.66%
284.07	284.68	0.61	0.61	100.00%	0.14	22.95%
284.68	287.73	3.05	3.02	99.02%	2.03	66.56%
287.73	288.65	0.92	0.92	100.00%	0.72	78.26%
288.65	291.24	2.59	2.59	100.00%	2.02	77.99%
291.24	293.67	2.43	2.43	100.00%	1.75	72.02%
293.67	294.74	1.07	1.04	97.20%	0.91	85.05%
294.74	295.96	1.22	1.22	100.00%	0.20	16.39%
295.96	297.79	1.83	1.83	100.00%	0.99	54.10%
297.79	300.84	3.05	3.05	100.00%	1.12	36.72%
300.84	302.06	1.22	1.22	100.00%	0.50	40.98%
302.06	303.89	1.83	1.83	100.00%	0.46	25.14%
303.89	305.10	1.21	1.21	100.00%	0.34	28.10%
305.10	309.68	4.58	4.54	99.13%	2.49	54.37%
309.68	312.72	3.04	2.97	97.70%	2.65	87.17%
312.72	315.77	3.05	3.05	100.00%	2.59	84.92%
315.77	316.99	1.22	1.22	100.00%	0.10	8.20%
316.99	319.13	2.14	2.14	100.00%	2.03	94.86%
319.13	322.17	3.04	2.98	98.03%	2.81	92.43%
322.17	325.22	3.05	3.01	98.69%	2.42	79.34%
325.22	328.27	3.05	3.05	100.00%	2.82	92.46%
328.27	331.32	3.05	3.02	99.02%	2.76	90.49%
331.32	334.37	3.05	3.03	99.34%	2.91	95.41%
334.37	337.41	3.04	3.04	100.00%	2.03	66.78%
337.41	340.46	3.05	3.05	100.00%	2.39	78.36%
340.46	343.51	3.05	3.05	100.00%	2.39	78.36%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-53

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
343.51	346.56	3.05	3.05	100.00%	2.56	83.93%
346.56	349.61	3.05	3.05	100.00%	2.27	74.43%
349.61	352.65	3.04	3.04	100.00%	2.00	65.79%
352.65	355.09	2.44	2.44	100.00%	1.47	60.25%
355.09	358.14	3.05	2.88	94.43%	2.45	80.33%
358.14	361.19	3.05	3.00	98.36%	2.11	69.18%
361.19	361.80	0.61	0.61	100.00%	0.29	47.54%
361.80	364.85	3.05	3.05	100.00%	2.12	69.51%
364.85	367.89	3.04	3.04	100.00%	1.68	55.26%
367.89	370.33	2.44	2.44	100.00%	0.63	25.82%
370.33	373.99	3.66	3.66	100.00%	2.71	74.04%
373.99	377.04	3.05	2.98	97.70%	2.98	97.70%
377.04	380.09	3.05	3.05	100.00%	2.94	96.39%
380.09	383.13	3.04	3.04	100.00%	2.51	82.57%
383.13	386.18	3.05	2.97	97.38%	2.97	97.38%
386.18	389.23	3.05	3.05	100.00%	2.03	66.56%
389.23	392.28	3.05	3.05	100.00%	2.94	96.39%
392.28	395.33	3.05	3.05	100.00%	2.92	95.74%
395.33	398.37	3.04	3.04	100.00%	2.40	78.95%
398.37	399.59	1.22	1.22	100.00%	0.14	11.48%
399.59	402.64	3.05	3.05	100.00%	2.06	67.54%
402.64	404.47	1.83	1.83	100.00%	1.47	80.33%
404.47	407.52	3.05	3.05	100.00%	1.90	62.30%
407.52	410.57	3.05	3.02	99.02%	2.57	84.26%
410.57	413.61	3.04	3.04	100.00%	2.45	80.59%
413.61	416.66	3.05	3.05	100.00%	2.72	89.18%
416.66	419.25	2.59	2.59	100.00%	1.07	41.31%
419.25	422.45	3.20	3.09	96.56%	2.52	78.75%
422.45	425.81	3.36	3.36	100.00%	2.84	84.52%
425.81	428.85	3.04	3.04	100.00%	2.23	73.36%
428.85	431.90	3.05	3.05	100.00%	1.99	65.25%
431.90	434.95	3.05	3.05	100.00%	2.59	84.92%
434.95	438.00	3.05	3.05	100.00%	2.79	91.48%
438.00	441.05	3.05	3.04	99.67%	2.61	85.57%
441.05	444.09	3.04	3.00	98.68%	2.36	77.63%
444.09	447.14	3.05	3.02	99.02%	2.26	74.10%
447.14	450.19	3.05	2.88	94.43%	2.46	80.66%
450.19	453.24	3.05	3.05	100.00%	3.00	98.36%
453.24	456.29	3.05	3.05	100.00%	2.57	84.26%
456.29	459.33	3.04	3.01	99.01%	2.39	78.62%
459.33	462.38	3.05	2.90	95.08%	2.82	92.46%
462.38	465.43	3.05	3.05	100.00%	2.90	95.08%
465.43	468.48	3.05	3.05	100.00%	3.05	100.00%
468.48	471.53	3.05	3.02	99.02%	2.85	93.44%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-53

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
471.53	474.57	3.04	3.04	100.00%	2.39	78.62%
474.57	477.32	2.75	2.75	100.00%	1.84	66.91%
477.32	479.45	2.13	2.13	100.00%	1.51	70.89%
479.45	480.36	0.91	0.69	75.82%	0.00	0.00%
480.36	480.97	0.61	0.61	100.00%	0.23	37.70%
480.97	481.89	0.92	0.92	100.00%	0.28	30.43%
481.89	483.41	1.52	1.52	100.00%	0.15	9.87%
483.41	484.63	1.22	1.22	100.00%	0.29	23.77%
484.63	486.16	1.53	1.53	100.00%	0.00	0.00%
486.16	486.77	0.61	0.61	100.00%	0.00	0.00%
486.77	487.68	0.91	0.82	90.11%	0.00	0.00%
487.68	490.73	3.05	2.97	97.38%	1.91	62.62%
490.73	495.30	4.57	4.57	100.00%	1.35	29.54%
495.30	498.35	3.05	3.05	100.00%	1.61	52.79%
498.35	500.79	2.44	2.44	100.00%	1.03	42.21%
500.79	503.22	2.43	2.17	89.30%	1.06	43.62%
503.22	506.27	3.05	2.87	94.10%	1.46	47.87%
506.27	509.32	3.05	3.05	100.00%	2.47	80.98%
509.32	511.15	1.83	1.83	100.00%	0.48	26.23%
511.15	514.20	3.05	3.05	100.00%	1.74	57.05%
514.20	515.72	1.52	1.51	99.34%	0.96	63.16%
515.72	518.77	3.05	3.05	100.00%	1.87	61.31%
518.77	520.29	1.52	1.52	100.00%	0.84	55.26%
520.29	523.34	3.05	2.97	97.38%	1.67	54.75%
523.34	525.32	1.98	1.98	100.00%	1.23	62.12%
525.32	528.98	3.66	3.59	98.09%	1.73	47.27%
528.98	531.88	2.90	2.90	100.00%	2.17	74.83%
531.88	534.92	3.04	2.97	97.70%	2.55	83.88%
534.92	537.97	3.05	3.02	99.02%	2.57	84.26%
537.97	541.02	3.05	2.98	97.70%	2.11	69.18%
541.02	544.07	3.05	3.05	100.00%	2.14	70.16%
544.07	545.90	1.83	1.83	100.00%	1.08	59.02%
545.90	547.73	1.83	1.83	100.00%	1.26	68.85%
547.73	550.77	3.04	3.04	100.00%	2.12	69.74%
550.77	551.99	1.22	1.22	100.00%	0.00	0.00%
551.99	555.04	3.05	3.05	100.00%	1.09	35.74%
555.04	558.09	3.05	3.05	100.00%	2.84	93.11%
558.09	561.14	3.05	3.05	100.00%	1.59	52.13%
561.14	564.18	3.04	3.01	99.01%	2.55	83.88%
564.18	566.01	1.83	1.79	97.81%	1.59	86.89%
566.01	569.06	3.05	3.03	99.34%	2.46	80.66%
569.06	572.11	3.05	3.00	98.36%	2.88	94.43%
572.11	575.16	3.05	3.02	99.02%	2.64	86.56%
575.16	578.21	3.05	3.05	100.00%	2.73	89.51%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER TCU93-53

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
578.21	580.03	1.82	1.53	84.07%	1.17	64.29%
580.03	EOH			98.42%		69.03%

Hole No: TCU93-54
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.82
(metres) E: 10663.58

Azimuth: 155.3
Dip: -66.7
Length (m): 527.30
Elevation: 113.16
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. Boisvenu Drilling Ltd.
Started: August 1, 1993
Completed: August 10,1993
Recovery:

Date Logged: Aug. 2-10, 1993
Logged By: D.J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
1:24pm

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	155.3	-66.7															
3.1	155.6	-66.7	92.0	156.9	-66.4	180.9	155.1	-66.0	269.8	158.4	-66.1	358.7	158.9	-66.2	447.6	160.2	-66.3
6.1	155.8	-66.8	95.0	156.9	-66.4	183.9	155.4	-66.0	272.9	158.4	-66.1	361.8	158.9	-66.2	450.7	160.2	-66.2
9.2	156.1	-66.9	98.1	156.9	-66.4	187.0	155.4	-66.0	275.9	158.1	-66.1	364.8	158.9	-66.2	453.7	160.2	-66.2
12.3	156.1	-67.1	101.2	156.9	-66.4	190.1	155.4	-66.0	279.0	158.1	-66.1	367.9	158.9	-66.3	456.8	160.4	-66.2
15.3	156.1	-67.0	104.2	156.6	-66.3	193.1	155.4	-66.0	282.0	158.4	-66.0	371.0	158.9	-64.3	459.9	160.4	-66.3
18.4	156.4	-67.0	107.3	156.6	-66.3	196.2	155.4	-66.0	285.1	158.4	-66.0	374.0	158.9	-64.3	462.9	160.4	-66.3
21.5	156.9	-66.8	110.4	156.6	-66.3	199.3	155.6	-66.0	288.2	158.4	-65.9	377.1	158.9	-64.3	466.0	160.7	-66.2
24.5	156.9	-66.7	113.4	156.6	-66.2	202.3	155.6	-65.9	291.2	158.7	-66.0	380.1	158.9	-64.3	469.0	160.7	-66.2
27.6	156.9	-66.7	116.5	156.6	-66.2	205.4	155.9	-65.9	294.3	158.7	-66.0	383.2	158.9	-64.3	472.1	161.0	-66.2
30.7	156.9	-66.6	119.6	156.6	-66.2	208.5	155.9	-65.9	297.4	158.7	-66.0	386.3	158.9	-64.3	475.2	161.0	-66.2
33.7	156.9	-66.6	122.6	156.6	-66.2	211.5	156.1	-65.9	300.4	158.9	-65.9	389.3	159.2	-66.2	478.3	161.0	-66.2
36.8	156.9	-66.6	125.7	156.9	-66.2	214.6	156.4	-65.9	303.5	158.9	-65.9	392.4	159.2	-66.2	481.3	161.0	-66.2
39.8	157.1	-66.6	128.8	156.6	-66.3	217.7	156.4	-66.0	306.6	159.2	-65.9	395.5	159.2	-66.2	484.4	161.0	-66.2
42.9	157.1	-66.6	131.8	156.4	-66.2	220.7	156.4	-66.0	309.6	159.2	-65.9	398.5	159.4	-66.3	487.5	161.0	-66.2
46.0	157.1	-66.5	134.9	156.4	-66.2	223.8	156.6	-66.1	312.7	159.2	-65.9	401.6	159.4	-66.3	490.5	161.0	-66.3
49.0	157.4	-66.5	138.0	156.4	-66.2	226.9	156.9	-66.1	315.8	159.2	-65.9	404.7	159.7	-66.3	493.6	161.0	-66.3
52.1	157.4	-66.5	141.0	156.4	-66.1	229.9	157.1	-66.2	318.8	159.2	-65.9	407.7	159.7	-66.3	496.6	161.0	-66.3
55.2	157.4	-66.5	144.1	156.4	-66.1	233.0	157.4	-66.3	321.9	159.2	-65.9	410.8	159.7	-66.3	499.7	161.2	-66.3
58.3	157.4	-66.5	147.1	156.4	-66.1	236.1	157.4	-66.3	325.0	159.2	-65.9	413.9	159.7	-66.3	502.8	161.2	-66.3
61.3	157.4	-66.5	150.2	156.4	-66.0	239.1	157.4	-66.3	328.0	159.2	-66.0	416.9	159.7	-66.4	505.8	161.0	-66.3
64.4	157.7	-66.5	153.3	156.4	-66.0	242.2	157.1	-66.2	331.1	159.2	-66.0	420.0	159.9	-66.4	508.9	161.0	-66.3
67.4	157.4	-66.5	156.4	156.4	-66.1	245.3	157.1	-66.2	334.2	159.2	-66.0	423.1	159.9	-66.4	512.0	161.0	-66.3
70.5	157.1	-66.4	159.4	156.1	-66.1	248.3	157.1	-66.2	337.2	159.2	-66.0	426.1	159.9	-66.4	515.0	161.0	-66.3
73.6	156.9	-66.4	162.5	156.1	-66.1	251.4	157.4	-66.1	340.3	159.2	-66.0	429.2	159.9	-66.4	518.1	161.0	-66.4
76.6	156.9	-66.4	165.6	155.9	-66.0	254.4	157.6	-66.1	343.4	159.2	-66.1	432.3	159.9	-66.4	521.2	161.2	-66.5
79.7	156.9	-66.4	168.6	155.6	-66.0	257.5	157.9	-66.1	346.4	159.2	-66.1	435.3	159.9	-66.4	524.2	161.5	-66.5
82.8	156.9	-66.4	171.7	155.4	-66.0	260.6	158.1	-66.1	349.5	159.2	-66.1	438.4	159.9	-66.4	527.3	161.7	-66.5
85.8	156.9	-66.4	174.7	155.1	-66.0	263.6	158.1	-66.1	352.6	159.2	-66.1	441.5	159.9	-66.3			
88.9	156.9	-66.4	177.8	155.1	-66.0	266.7	158.4	-66.1	355.6	158.9	-66.2	444.5	159.9	-66.3			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.50	CASING										
.50	13.40	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, fine-grained, medium grey with hematitic maroon tinge, weakly (≈2%) feldspar phyric dacite flow; feldspar phenocrysts are green-grey to pale grey, subhedral to anhedral, generally vague, <2mm; cut by rare, white quartz veins from 3cm to 6cm wide, with minor (3-5%) epidote ± trace magnetite; moderately cut by fine epidote veinlets (<1mm wide) at various angles to core axis; lower contact is gradational as hematitic maroon alteration grades into light grey-green sericite alteration.										
13.40	28.85	FELDSPAR PHYRIC DACITE FLOW BRECCIA; (SERICITIZATION) Gradational contact with hematitic flow (described above) into grey-green dacite flow breccia; remnant feldspar phenocrysts (1-2%) are totally replaced with soft, pale greenish sericite; breccia textures are locally distinct in rounded fragments within weak feldspar phyric, crudely flow-aligned matrix; weak, pervasive albitic flooding; trace quartz-eyes (<2mm dia.); moderately cut by epidote ± chloritic veinlets ± albitic haloes. 16.15 17.37 FAULT Crushed and brecciated fault zone with strong carbonate on fractures; core is broken into chips at 40-55° to core axis; zero RQD. 21.95 22.85 FAULT Weak fault/fracture zone at very low angle (≈10°) to core axis. 25.00 26.95 FAULT Fault/fracture zone at low angle (≈10°) to core axis; epidote, chlorite, quartz on fractures; core broken into pieces sub-parallel to core axis; zero RQD.										
28.85	36.27	BASALTIC INTRUSION; (CHLORITIZATION) Fine-grained, massive, dark green to black basaltic dyke with sharp, very fine-grained chilled contact margins; weak to moderately magnetic; weakly cut by quartz + epidote ± magnetite ± pyrite veinlets (<2cm wide); upper contact sharp at 40° to core axis; lower contact is irregular and brecciated.										
36.27	60.75	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, fine-grained, grey-maroon feldspar phyric dacite flow; milky white feldspar phenocrysts constitute ≈5% of interval, are anhedral but rarely euhedral, and average 1mm long; upper 6.5m of interval is mottled light and dark grey-green due to moderate to strong fracturing with greyish-white albite flooding (possible flow breccia or flow top breccia zone); entire interval is moderately cut by fine epidote + quartz veinlets ± chlorite ± prehnite?; rare wisps and very fine fractures of red hematite. 42.87 43.12 BASALTIC INTRUSION; Fine-grained, massive, dark green, basaltic dyke similar to that from 28.85 to 36.27 metres,										

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

without fractures; upper and lower contacts are sharp at 45° and 30° to core axis, respectively.

60.75 68.30 BASALTIC INTRUSION;
Interval cut by four fine to medium grained, dark green to black basaltic dykes up to 1.5 metres wide; contact margins are sharp, chilled and weakly quartz amygdaloidal; dykes are weakly magnetic; zones between dykes are dark greenish with ≈5% white feldspar phenocrysts, similar to dacite flow described above and below this interval; inter-dyke dacite is intensely cut by chlorite stringers with localized, cream coloured albite flooding.

60.75 63.00 BASALTIC INTRUSION; As described above in major interval from 60.75 to 68.30 metres; upper and lower contacts are sharp at 45° and 15° to core axis, respectively.

64.15 65.27 BASALTIC INTRUSION; As described above in major interval from 60.75 to 68.30 metres; upper contact is strongly veined and irregular; lower contact sharp at 25° to core axis.

66.50 67.00 BASALTIC INTRUSION; Same as described above in major interval from 60.75 to 68.30 metres; upper and lower contacts are sharp but irregular.

67.50 68.30 BASALTIC INTRUSION; Same as described above in major interval from 60.75 to 68.30 metres; upper contact is indistinct; lower contact is sharp at 35° to core axis.

68.30 119.60 FELDSPAR PHYRIC DACITE FLOWS;
Dominantly massive, greyish, feldspar phyric (5% milky white, anhedral to euhedral, <2mm) dacite flow with local dacite flow breccia textures; upper 10 metres is grey-maroon colour due to hematitic alteration (oxidation); colour grades downwards to greenish grey; feldspar phenocrysts are locally vague; rare magnetite replacing cubic pyrite (≈3mm) at 84.4m; entire interval is weakly cut by quartz + chlorite ± epidote ± magnetite veinlets up to 3cm wide; weak alteration haloes of cream-coloured albite ± epidote ± rare red hematite from 1 to 5cm into wallrock.

119.60 200.50 FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; (CHLORITIZATION)
Medium grained, massive, dark greenish, feldspar phyric basaltic interval (sub-volcanic intrusion); moderately magnetic throughout, locally strongly magnetic; feldspar phenocrysts vary from 5-10%, grey, chlorite-sericite replaced, <2mm, generally anhedral; trace to ≈2% chlorite replaced black amphibole phenocrysts <1mm; interval is weakly cut by white quartz ± epidote ± magnetite veinlets up to 3cm wide (ave. ≈1cm); local fractures <1mm wide filled with white prehnite; lower contact of interval is sharp at 55° to core axis.

127.30 143.30 Zone of fine (≈1mm) planar, prehnite filled fractures average 1 per 20cm core length, locally more frequent.

143.30 143.90 FAULT Pale green, bleached, clay gouge zone with fine

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		(<1cm) dark green, angular wall-rock breccia fragments; contacts of fault zone are indistinct due to broken nature of core.										
200.50	269.10	BASALT UNDIFFERENTIATED; Fine-grained, massive, homogeneous, dark green basalt subvolcanic intrusion or flow; non-feldspar porphyritic; rare planar quartz veinlets average <1cm wide, up to ≈3cm; strongly magnetic; lower contact is sharp and irregular at high angle to core axis. 207.72 208.79 Zone of broken core from drilling (zero RQD); does not appear to be a fault; non-fractured. 243.54 244.75 (Propylitic) Bleached, pale green-grey zone, propylitic altered between 2 white calcite veinlets 4cm wide, at 15° to core axis; calcite veinlets support altered brecciated wall-rock fragments. 246.13 247.20 Zone of zero RQD core, moderately fractured with thin (1-2mm wide) stringers of calcite ± chlorite and epidote, at low angle (sub-parallel) to core axis. 257.15 260.00 Zone of zero RQD; core broken along weak fractures (less fracturing than above, from 246.13 to 247.20); dominantly epidote on fracture surfaces.										
269.10	298.10	FELDSPAR PHYRIC DACITE FLOW BRECCIA; (DISSEMINATED PYRITE) Medium to dark greyish dacite flow breccia with ≈5-7% white, subhedral to euhedral feldspar phenocrysts (≈1mm); breccia fragments are rounded to sub-rounded, elongate and interlocking; matrix shows local flow banding from 40-60° to core axis; breccia fragments are generally light grey colour; weakly cut by chlorite ± epidote ± magnetite veinlets <2cm wide with minor albite flooded selvage; lower 6.4 metres of interval contains occasional (1%) masses of sulphides from 2cm to 12cm as irregular, replacement zones or vein related(?); sulphides are dominantly pyrite with 2% chalcopyrite ± magnetite, or sphalerite + galena + trace pyrite, chalcopyrite; lower contact of interval is sharp at 20° to core axis, in contact with rhyolite dyke. Sulphide zones noted at: 291.70 - 4cm of pyrite + trace sphalerite. 292.00 - 12cm of pyrite + 2% chalcopy. + 2% magnetite 294.05 - 5cm of 70% sphal; 30% galena; trace chalcopy. 294.45 - 8cm of pyrite, trace chalcopyrite 296.12 - 3cm of 70% pyrite, 30% sphalerite Trace disseminated pyrite between sulphide zones over lower ≈6 metres.	68210	291.70	293.70	2.00						
			68211	293.70	295.70	2.00						
			68212	295.70	298.10	2.40						
298.10	302.24	FELDSPAR -PHYRIC SLOKO RHYOLITE DYKE; Pale greenish grey aphanitic contact margins grading centrally to fine-grained, light grey rhyolite; flow banding at contact is sub-parallel core axis; weakly (2%) feldspar phyric; lower contact exposed over 0.84 metres of interval, sub- parallel core axis; rare fractures contain trace galena and pyrite.	68213	301.60	302.24	.64						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
302.24	304.36	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE) Intense sericite altered dacitic (?) ash tuff bedded at 45° to core axis; 25-30% fine-grained pyrite intermixed with sericite; 2-3% whitish grey soft mineral intermixed with sericite - possibly gypsum; 5-10% grey lenticular wisps of quartz (chert); 5-10% pale brown-tan mineral, probable clay alteration; trace to 1% chalcopyrite as 1-2mm cross-cutting veinlets; lower contact is rapidly gradational over ≈5cm.	68214 68215	302.24 303.34	303.34 304.36	1.10 1.02	.31 .93	14.06 50.75	.62 1.27	.46 1.02	3.86 5.92	
304.36	305.90	PYRITE FACIES; (DISSEMINATED CHALCOPYRITE) Massive pyrite interval with 80% fine-grained exhalitive pyrite with 10-15% quartz interstitial to pyrite grains; 5-10% chalcopyrite as irregular, wispy masses within pyrite (replacing pyrite?); pyrite bedded at ≈45-50° to core axis; increasing quartz + sericite (up to 15%) over lower 60cm of interval; lower contact is rapidly gradational over 3-4cm.	68216 68217	304.36 305.11	305.11 305.90	.75 .79	1.06 1.89	34.63 49.72	2.35 3.18	.02 .17	.30 1.59	
305.90	328.45	ALTERED FACIES; (CHLORITIZATION) (DISSEMINATED PYRITE) Medium to dark grey coloured interval of mixed fragmental tuff; protolith is difficult to distinguish - possibly basaltic ash and lapilli tuff, however local intervals appear to be large blocks of feldspar phyric dacite flow (307.80 to 308.75; 314.85 to 317.55; 325.50 to 238.45 metres); end of interval is defined by last presence of dacite; silica + sericite alteration is weak; moderate chlorite alteration; trace to 2% very fine disseminated pyrite within basaltic tuff components. 323.00 323.83 BASALTIC INTRUSION; Moderate chlorite altered basaltic dyke with ≈10-15% subhedral chlorite replaced amphibole(?) phenocrysts (<2mm); upper and lower contacts are sharp at 70° to core axis.	68218	305.90	307.90	2.00						
328.45	353.00	BASALT ASH TUFF; (CHLORITIZATION) Dark greyish, pervasive moderate chlorite alteration, weak sericite alteration of basaltic ash tuff with local, rare lapilli fragments; very rare, fine disseminated pyrite; bedding of ash varies from 0 to 40° to core axis; ≈1% fine (1-2mm), rounded hematite fragments; 1% massive magnetite in irregular masses up to 4cm, or as subhedral crystals (after pyrite?); weakly cut by quartz ± chlorite ± epidote ± magnetite veinlets up to 3cm wide; from 345.10 to 348.00 metres are occasional (5%) intervals up to 15cm of bleached, sericite fault/fracture zones with minor gouge and brecciated chlorite veins. 334.35 335.30 BASALTIC INTRUSION; Dark green, fine-grained basalt dyke, variably weak to strongly magnetic; weakly cut by chlorite veinlets (<3mm); upper contact sharp at 50° to core axis; lower contact sharp at 45° to core axis.										
353.00	355.85	BASALTIC INTRUSION; (SERICITIZATION) Medium grey coloured, massive dyke (basaltic?) with pervasive, moderate sericite alteration; cut by white quartz veinlets up to 2cm wide with										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		chlorite; upper contact is sharp at 40° to core axis; lower contact is sharp at 30° to core axis.										
355.85	357.10	BASALT ASH TUFF; (CHLORITIZATION) Same as that described above from 328.45 to 353.00 metres; ≈1% rare white chert fragments (.4-1cm); up to 20-30% lapilli-sized fragments.										
357.10	359.35	BASALTIC INTRUSION; Dark green to black, fine-grained basaltic dyke; variably magnetic; moderately cut by veinlets of chlorite ± white quartz with trace pyrite ± magnetite; upper contact sharp at 20° to core axis; lower contact sharp at 30° to core axis.										
359.35	377.50	BASALT ASH TUFF; (CHLORITIZATION) Same as that described above from 328.45 to 353.00 metres; dominantly ash tuff with rare lapilli-sized, rounded feldspar phyric dacite fragments; rarely cut by veinlets; lower contact is very gradational marked by presence of very fine disseminated pyrite of interval below.										
377.50	381.63	BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Similar to that described above from 359.35 to 377.50; upper contact is very gradational, marked by presence of very fine disseminated pyrite from trace to 5%, becoming coarser (2mm) downwards; lower contact with dyke is sharp.										
381.63	384.32	BASALTIC INTRUSION; Dark green to black, fine-grained basaltic dyke; from 382.55 to 383.20 metres is QSP sericite + pyrite altered tuff similar to pyritic interval above dyke); upper contact sharp at 40° to core axis; lower contact sharp at 50° to core axis.										
384.32	396.34	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (STRINGER PYRITE) Pale greyish mottled, bleached, strongly (≈5%) amygdaloidal basalt(?) flow; amygdules are quartz ± pyrite filled, rounded (5mm) to elongate (2cm long); pyrite (5-8%) occurs disseminated throughout, in quartz filled amygdules and as massive, cross-cutting veinlets with quartz; veinlets and stringers are up to 3cm wide and commonly have sericitic haloes; traces of red-brown sphalerite occur in massive pyrite veinlets; lower contact with dyke is sharp.	68219 68220 68221 68222 68223 68224	384.32 386.32 388.32 390.32 392.32 394.32	386.32 388.32 390.32 392.32 394.32 396.34	2.00 2.00 2.00 2.00 2.00 2.02						
396.34	400.00	BASALTIC INTRUSION; (DISSEMINATED PYRITE) Fine-grained, dark grey basaltic dyke with 1-2% pyrite as coarse euhedral pyrite crystals and crystal fragments, or as anhedral masses up to 5mm; cut by rare quartz ± epidote veinlets (<1cm); upper contact is sharp at high angle (70°) to core axis; lower contact sharp at 30° to core axis.										
400.00	407.10	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (STRINGER PYRITE)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Same as that described above from 384.32 to 396.34 metres; trace sphalerite and galena within massive pyrite veinlets (up to 2cm wide); lower 3 metres is generally massive with rare quartz + pyrite amygdules.	68225	400.00	402.00	2.00						
			68226	402.00	404.00	2.00						
			68227	404.00	406.00	2.00						
			68228	406.00	407.10	1.10						
407.10	414.33	BASALTIC INTRUSION; (SILICIFICATION) Medium grey, strongly silicified basaltic(?) dyke, similar to that described above from 353.00 to 355.85 metres; interval is intensely cut by quartz veinlets at high angle (≈60°) to core axis; veinlets consist of white quartz with minor epidote ± local brown-red garnet; lower 1.0 metre of interval is black, fine-grained dyke similar to above from 357.1 to 359.35 metres except no pyrite; upper contact of interval is sharp at 25° to core axis; lower contact is sharp at 35° to core axis.										
414.33	424.65	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (STRINGER PYRITE) Fine to medium grained, strong silica (± sericite) altered basaltic interval - probable flow, indicated by presence of ≈5% fine (1-4mm) quartz-filled amygdules (dominantly rounded, rarely elongate); similar to that described from 400.00 to 407.1; weakly cut by quartz-pyrite stringers; pyrite (≈2-3%) is disseminated, concentrated in quartz amygdules, in quartz veinlets, or as massive pyrite veinlets (<1cm); trace red-brown sphalerite in occasional pyrite veinlets.										
424.65	429.92	BASALTIC INTRUSION; Black, very fine-grained, basaltic dyke, weakly magnetic; homogeneous, except for rare chlorite ± epidote amygdules(?) (1mm to 1cm); very weakly cut by quartz + epidote ± chlorite veinlets (<5mm wide); upper contact sharp and irregular; lower contact is sharp but irregular at low angle to core axis.										
429.92	438.91	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (DISSEMINATED PYRITE) Medium greyish, fine to medium grained, near massive, weakly quartz amygdaloidal basalt(?) flow(?); less silicified than altered basalt flows described above (less porous?) and very rare quartz veinlets; 2-4% very fine, disseminated pyrite throughout; upper and lower contacts with dykes are sharp.										
438.91	441.47	BASALTIC INTRUSION; Dark grey to black basaltic dykes from 8 to 35cm in length occupy ≈50% of interval; most contacts are sharp and distinct and at high angle (60-90°) to core axis; core between dykes is dark grey and similar to dyke material, only coarser grained (similar to above from 429.92 to 438.91 metres); interval is weakly cut by epidote + chlorite ± quartz ± magnetite veinlets.										
441.47	451.70	BASALT FLOW; (SILICIFICATION) (DISSEMINATED PYRITE)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Medium grey coloured, massive, homogeneous, moderate to strongly silicified basaltic(?) flow; very rare quartz amygdules; rare feldspar phenocrysts (white, 1mm, subhedral to euhedral); 1% very fine to medium-grained disseminated pyrite; rare white quartz ± epidote + chlorite veinlets (<1cm); feldspar phyric intervals have similar texture to final interval in this hole; last 20cm of this interval is black, aphanitic dyke at 40° to core axis.										
451.70	504.75	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (STRINGER PYRITE) Fine to medium-grained, medium to light grey colour, strong silica ± sericite altered basalt flow; presence of quartz-filled amygdules locally from 1% to 20%; finer amygdules (<2mm) are in greater concentrations (20%); coarse amygdules (≈1cm) are more wide spread; sericitic zones (5-10%) are buff-beige colour; interval may in part be pillow-breccia; entire interval is cut by grey quartz veinlets and stringers (2-10mm, 5-10%); pyrite (3-5%) occurs finely disseminated throughout, in quartz-filled amygdules or in massive veinlets ± quartz (1-5mm); trace red-brown sphalerite and galena occur in small concentrated irregular masses or disseminations within pyritic stringers.	68229	451.70	454.20	2.50						
			68230	454.20	456.70	2.50						
			68231	456.70	459.20	2.50						
			68232	459.20	461.70	2.50						
			68233	461.70	464.20	2.50						
			68234	464.20	466.70	2.50						
			68235	466.70	469.20	2.50						
			68236	469.20	471.70	2.50						
			68237	471.70	474.20	2.50						
			68238	474.20	476.70	2.50						
			68239	476.70	479.20	2.50						
			68240	479.20	481.70	2.50						
			68241	481.70	484.20	2.50						
			68242	484.20	486.70	2.50						
			68243	486.70	489.20	2.50						
			68244	489.20	491.70	2.50						
			68245	491.70	494.20	2.50						
			68246	494.20	496.70	2.50						
			68247	496.70	499.20	2.50						
			68248	499.20	501.70	2.50						
			68249	501.70	504.75	3.05						
504.75	527.30	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; Black, fine-grained, siliceous (very hard) interval with none of the alteration of the preceding interval; non-amygdaloidal; from trace to 2% fine (<1mm) white subhedral to euhedral feldspar phenocrysts or crystal fragments; ≈2% pyrite occurs as rounded grains (≈1cm long) or euhedral crystals (≈5mm) and crystal fragments over upper 2 metres of interval, diminishing downwards to not present; entire interval is cut by epidote - chlorite veins or irregular masses ± white quartz ± brownish-red garnet; upper contact is rapidly gradational, possibly a healed, locally finely brecciated, shear zone at 20° to core axis.										
527.30		EOH										

Hole No: TCU93-54
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.82
(metres) E: 10663.58

Azimuth: 155.3
Dip: -66.7
Length (m): 527.30
Elevation: 113.16
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. Boisvenu Drilling Ltd.
Started: August 1, 1993
Completed: August 10,1993
Recovery:

Date Logged: Aug. 2-10, 1993
Logged By: D.J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
1:24pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68210	291.70	293.70	2.00								140	4.0	992	201	1921	4.38	40	11	14	151
68211	293.70	295.70	2.00								140	13.4	397	3621	7618	3.04	26	52	18	166
68212	295.70	298.10	2.40								300	1.7	132	139	1795	1.43	4	13	12	256
68213	301.60	302.24	.64	2.75							93	9.2	3893	1788	8345	1.68	5	41	9	185
68214	302.24	303.34	1.10	2.99	.31	14.06	.62	.46	3.86		180	15.6	5295	3850	25687	5.30	15	137	2	367
68215	303.34	304.36	1.02	3.27	.93	50.75	1.27	1.02	5.92		520	44.4	10894	7656	36402	9.94	72	206	135	533
68216	304.36	305.11	.75	4.31	1.06	34.63	2.35	.02	.30		1010	29.4	19170	158	2160	18.73	70	9	61	46
68217	305.11	305.90	.79	3.63	1.89	49.72	3.18	.17	1.59		1330	42.9	26098	1201	10769	18.55	28	45	17	17
68218	305.90	307.90	2.00	2.77							16	.5	127	31	208	4.80	23	0	3	23
68219	384.32	386.32	2.00								420	9.6	79	159	554	4.39	145	2	17	35
68220	386.32	388.32	2.00								250	5.1	58	421	899	4.14	97	2	16	33
68221	388.32	390.32	2.00								270	8.2	160	1322	3096	4.12	148	10	33	27
68222	390.32	392.32	2.00								190	4.5	191	623	5179	3.34	152	20	23	48
68223	392.32	394.32	2.00								230	14.1	463	2601	8830	5.96	268	33	43	24
68224	394.32	396.34	2.02								120	8.4	323	2115	6760	4.61	154	25	18	42
68225	400.00	402.00	2.00								64	1.9	83	449	1174	3.41	103	4	10	40
68226	402.00	404.00	2.00								74	2.8	177	238	3309	3.91	95	12	12	32
68227	404.00	406.00	2.00								54	2.2	149	373	2052	2.84	101	8	21	46
68228	406.00	407.10	1.10								41	1.5	120	317	1700	3.13	58	6	8	42
68229	451.70	454.20	2.50								220	8.0	234	2709	5387	5.09	58	17	45	21
68230	454.20	456.70	2.50								300	11.1	266	2548	3825	3.97	58	12	33	27
68231	456.70	459.20	2.50								480	13.7	203	1978	3162	3.55	98	9	40	54
68232	459.20	461.70	2.50								510	13.4	183	3102	4799	4.18	111	14	55	34
68233	461.70	464.20	2.50								220	5.8	84	819	2435	4.44	72	7	28	31
68234	464.20	466.70	2.50								260	7.5	107	333	2349	4.56	87	7	34	27
68235	466.70	469.20	2.50								190	5.5	71	733	1680	3.76	68	4	18	29
68236	469.20	471.70	2.50								98	5.8	92	927	1617	3.11	56	4	21	28
68237	471.70	474.20	2.50								120	6.9	51	441	1263	3.21	47	3	14	53
68238	474.20	476.70	2.50								150	16.8	375	1614	2198	4.02	97	6	52	34
68239	476.70	479.20	2.50								160	5.8	73	87	1045	3.91	71	3	19	29
68240	479.20	481.70	2.50								260	4.0	50	75	534	3.76	75	2	11	32
68241	481.70	484.20	2.50								180	4.8	53	280	920	3.64	75	3	16	17

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68242	484.20	486.70	2.50							160	4.4	76	344	1798	3.63	62	6	22	22
68243	486.70	489.20	2.50							130	2.1	60	185	1022	3.17	55	3	15	14
68244	489.20	491.70	2.50							180	3.5	137	361	2607	3.53	93	10	42	20
68245	491.70	494.20	2.50							100	1.7	40	114	1437	2.80	66	5	14	30
68246	494.20	496.70	2.50							130	2.7	43	492	1192	4.54	85	4	17	24
68247	496.70	499.20	2.50							98	2.9	29	707	983	4.59	78	3	10	19
68248	499.20	501.70	2.50							110	2.8	54	171	645	4.84	106	2	12	28
68249	501.70	504.75	3.05							110	6.0	103	950	3161	3.88	70	12	18	49

Hole No: TCU93-54
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.82
(metres) E: 10663.58

Azimuth: 155.3
Dip: -66.7
Length (m): 527.30
Elevation: 113.16
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. Boisvenu Drilling Ltd.
Started: August 1, 1993
Completed: August 10,1993
Recovery:

Date Logged: Aug. 2-10, 1993
Logged By: D.J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
1:23pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68210	291.70	293.70	2.00	5	7	3	198	5	2	94	2	5	.60	3	24	.29	.04	4	1
68211	293.70	295.70	2.00	4	4	5	266	5	2	56	2	8	.75	5	9	.45	.07	3	5
68212	295.70	298.10	2.40	2	5	2	282	5	2	71	2	6	.82	5	8	.41	.06	2	1
68213	301.60	302.24	.64	5	4	1	139	5	7	47	5	2	.67	9	17	.17	.01	3	4
68214	302.24	303.34	1.10	7	5	3	237	5	3	60	2	3	1.22	2	5	.44	.01	2	1
68215	303.34	304.36	1.02	16	7	1	206	5	2	75	9	4	.56	2	4	.59	.01	2	3
68216	304.36	305.11	.75	2	5	1	200	5	2	26	2	4	.20	2	13	1.03	.01	10	1
68217	305.11	305.90	.79	8	8	1	421	5	2	17	3	8	.80	2	16	1.16	.01	9	9
68218	305.90	307.90	2.00	1	5	4	380	5	2	18	2	7	.54	4	6	.83	.07	6	1
68219	384.32	386.32	2.00	2	10	8	275	5	2	47	2	10	.87	3	6	.46	.05	7	1
68220	386.32	388.32	2.00	1	3	9	131	5	2	15	2	3	.40	5	4	.03	.01	7	1
68221	388.32	390.32	2.00	3	4	9	177	5	2	18	2	3	.38	4	6	.03	.01	8	1
68222	390.32	392.32	2.00	1	3	9	184	5	2	22	2	2	.61	5	8	.01	.01	6	1
68223	392.32	394.32	2.00	2	4	9	199	5	2	16	2	2	.46	4	20	.02	.01	7	1
68224	394.32	396.34	2.02	1	4	9	190	5	2	19	2	3	.46	5	10	.04	.01	7	1
68225	400.00	402.00	2.00	1	2	8	206	5	2	47	2	2	.74	4	4	.11	.02	6	1
68226	402.00	404.00	2.00	2	3	5	186	5	2	26	2	2	.46	5	15	.06	.01	6	1
68227	404.00	406.00	2.00	3	3	5	195	5	2	21	2	2	.52	6	5	.06	.01	6	1
68228	406.00	407.10	1.10	2	3	6	198	5	2	15	2	2	.43	6	5	.07	.01	6	1
68229	451.70	454.20	2.50	3	17	11	172	5	2	18	2	5	.58	4	23	.18	.01	7	1
68230	454.20	456.70	2.50	5	5	7	103	5	2	9	2	2	.30	4	7	.04	.01	6	1
68231	456.70	459.20	2.50	4	9	8	175	5	2	35	2	6	.59	4	15	.18	.02	7	1
68232	459.20	461.70	2.50	4	6	8	150	5	2	34	2	2	.40	4	22	.03	.01	7	1
68233	461.70	464.20	2.50	5	4	7	182	5	2	51	2	2	.60	3	7	.04	.01	9	1
68234	464.20	466.70	2.50	5	4	8	159	5	2	45	2	3	.71	3	6	.03	.01	8	1
68235	466.70	469.20	2.50	6	4	7	177	5	2	51	2	3	.92	3	16	.04	.01	7	1
68236	469.20	471.70	2.50	4	3	7	146	5	2	33	2	2	.47	3	5	.03	.01	6	1
68237	471.70	474.20	2.50	2	3	6	179	5	2	33	2	2	.69	3	4	.04	.01	7	1
68238	474.20	476.70	2.50	6	4	5	177	5	2	38	2	2	.58	3	16	.04	.01	7	1
68239	476.70	479.20	2.50	3	4	6	177	5	2	46	2	2	.67	4	4	.04	.01	7	1
68240	479.20	481.70	2.50	3	4	7	174	5	2	23	2	2	.70	4	4	.07	.01	6	1
68241	481.70	484.20	2.50	6	4	6	169	5	2	36	2	2	.69	4	16	.06	.01	5	1

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68242	484.20	486.70	2.50	3	3	6	204	5	2	19	2	2	.60	4	5	.07	.01	5	1
68243	486.70	489.20	2.50	3	4	5	176	5	2	45	2	2	.64	3	5	.06	.01	6	1
68244	489.20	491.70	2.50	4	3	5	143	5	2	18	2	2	.45	4	15	.04	.01	5	1
68245	491.70	494.20	2.50	19	3	6	140	5	2	16	2	2	.46	4	4	.04	.01	5	1
68246	494.20	496.70	2.50	19	3	7	210	5	2	28	2	2	.54	4	3	.13	.01	6	1
68247	496.70	499.20	2.50	8	3	6	207	5	2	19	2	2	.47	4	13	.14	.01	5	1
68248	499.20	501.70	2.50	6	3	7	218	5	2	13	3	3	.51	4	4	.20	.02	6	1
68249	501.70	504.75	3.05	12	6	7	170	5	2	17	3	7	.62	4	6	.33	.04	3	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-54

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
0.00	0.61	0.61	0.13	21.31%	0.00	0.00%
0.61	3.05	2.44	1.76	72.13%	0.10	4.10%
3.05	6.10	3.05	3.05	100.00%	0.40	13.11%
6.10	9.14	3.04	3.04	100.00%	1.55	50.99%
9.14	12.19	3.05	3.05	100.00%	1.03	33.77%
12.19	15.24	3.05	2.91	95.41%	1.55	50.82%
15.24	18.29	3.05	3.05	100.00%	0.23	7.54%
18.29	19.81	1.52	1.52	100.00%	0.59	38.82%
19.81	22.86	3.05	3.05	100.00%	0.70	22.95%
22.86	25.91	3.05	3.02	99.02%	0.85	27.87%
25.91	28.96	3.05	3.05	100.00%	0.97	31.80%
28.96	32.00	3.04	3.04	100.00%	1.36	44.74%
32.00	35.36	3.36	3.13	93.15%	1.54	45.83%
35.36	36.58	1.22	1.09	89.34%	0.81	66.39%
36.58	39.62	3.04	3.03	99.67%	2.31	75.99%
39.62	42.67	3.05	2.99	98.03%	2.62	85.90%
42.67	45.72	3.05	3.05	100.00%	2.61	85.57%
45.72	48.76	3.04	2.93	96.38%	2.11	69.41%
48.76	51.82	3.06	3.06	100.00%	2.69	87.91%
51.82	54.86	3.04	3.04	100.00%	2.81	92.43%
54.86	57.91	3.05	3.05	100.00%	1.88	61.64%
57.91	60.96	3.05	3.05	100.00%	2.30	75.41%
60.96	64.01	3.05	2.94	96.39%	2.29	75.08%
64.01	67.06	3.05	3.05	100.00%	2.43	79.67%
67.06	70.10	3.04	3.04	100.00%	1.83	60.20%
70.10	73.15	3.05	2.95	96.72%	2.52	82.62%
73.15	76.20	3.05	3.00	98.36%	2.48	81.31%
76.20	79.25	3.05	2.99	98.03%	2.58	84.59%
79.25	82.30	3.05	2.96	97.05%	1.85	60.66%
82.30	85.34	3.04	3.04	100.00%	2.11	69.41%
85.34	88.39	3.05	3.05	100.00%	2.69	88.20%
88.39	91.44	3.05	2.92	95.74%	2.43	79.67%
91.44	94.49	3.05	3.02	99.02%	2.11	69.18%
94.49	97.54	3.05	3.05	100.00%	2.25	73.77%
97.54	100.58	3.04	3.04	100.00%	2.41	79.28%
100.58	103.63	3.05	3.05	100.00%	1.71	56.07%
103.63	106.68	3.05	3.05	100.00%	2.65	86.89%
106.68	109.73	3.05	3.04	99.67%	2.21	72.46%
109.73	112.78	3.05	3.05	100.00%	1.71	56.07%
112.78	115.82	3.04	2.98	98.03%	1.44	47.37%
115.82	118.87	3.05	3.05	100.00%	1.91	62.62%
118.87	121.92	3.05	2.99	98.03%	2.23	73.11%
121.92	124.97	3.05	3.00	98.36%	1.68	55.08%
124.97	128.02	3.05	3.05	100.00%	1.33	43.61%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-54

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
128.02	131.06	3.04	3.04	100.00%	0.74	24.34%
131.06	133.50	2.44	2.43	99.59%	0.75	30.74%
133.50	136.55	3.05	3.05	100.00%	1.68	55.08%
136.55	138.99	2.44	2.37	97.13%	1.35	55.33%
138.99	140.21	1.22	1.14	93.44%	0.00	0.00%
140.21	143.26	3.05	3.05	100.00%	0.75	24.59%
143.26	146.30	3.04	3.04	100.00%	1.24	40.79%
146.30	149.35	3.05	2.97	97.38%	2.40	78.69%
149.35	152.40	3.05	3.05	100.00%	2.41	79.02%
152.40	155.45	3.05	3.05	100.00%	2.84	93.11%
155.45	158.50	3.05	2.98	97.70%	2.63	86.23%
158.50	161.54	3.04	2.94	96.71%	2.77	91.12%
161.54	164.59	3.05	3.03	99.34%	2.68	87.87%
164.59	167.64	3.05	2.94	96.39%	2.34	76.72%
167.64	170.69	3.05	3.05	100.00%	2.15	70.49%
170.69	173.74	3.05	3.02	99.02%	2.76	90.49%
173.74	176.78	3.04	3.02	99.34%	2.32	76.32%
176.78	179.83	3.05	2.99	98.03%	2.48	81.31%
179.83	182.88	3.05	3.03	99.34%	2.82	92.46%
182.88	185.93	3.05	3.00	98.36%	2.59	84.92%
185.93	188.98	3.05	3.01	98.69%	2.37	77.70%
188.98	191.41	2.43	2.43	100.00%	2.24	92.18%
191.41	194.46	3.05	2.90	95.08%	2.03	66.56%
194.46	197.51	3.05	3.05	100.00%	2.38	78.03%
197.51	200.56	3.05	2.91	95.41%	2.58	84.59%
200.56	203.61	3.05	3.05	100.00%	2.46	80.66%
203.61	206.65	3.04	2.93	96.38%	2.04	67.11%
206.65	208.18	1.53	1.53	100.00%	1.14	74.51%
208.18	208.79	0.61	0.42	68.85%	0.00	0.00%
208.79	211.84	3.05	3.05	100.00%	2.59	84.92%
211.84	213.97	2.13	1.79	84.04%	1.50	70.42%
213.97	217.02	3.05	3.05	100.00%	2.83	92.79%
217.02	218.85	1.83	1.83	100.00%	1.64	89.62%
218.85	221.89	3.04	2.95	97.04%	2.58	84.87%
221.89	224.94	3.05	2.99	98.03%	2.59	84.92%
224.94	227.99	3.05	3.00	98.36%	2.48	81.31%
227.99	231.04	3.05	3.05	100.00%	2.47	80.98%
231.04	234.09	3.05	3.05	100.00%	2.62	85.90%
234.09	237.74	3.65	3.42	93.70%	2.20	60.27%
237.74	240.79	3.05	3.05	100.00%	1.84	60.33%
240.79	243.84	3.05	2.94	96.39%	1.35	44.26%
243.84	246.28	2.44	2.44	100.00%	1.24	50.82%
246.28	249.33	3.05	3.05	100.00%	1.47	48.20%
249.33	252.37	3.04	3.04	100.00%	1.43	47.04%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-54

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
252.37	255.57	3.20	3.17	99.06%	1.16	36.25%
255.57	258.62	3.05	3.05	100.00%	1.53	50.16%
258.62	259.38	0.76	0.66	86.84%	0.00	0.00%
259.38	260.30	0.92	0.83	90.22%	0.30	32.61%
260.30	262.43	2.13	2.13	100.00%	1.24	58.22%
262.43	265.18	2.75	2.75	100.00%	1.41	51.27%
265.18	268.22	3.04	3.01	99.01%	2.10	69.08%
268.22	268.83	0.61	0.47	77.05%	0.36	59.02%
268.83	271.27	2.44	2.43	99.59%	1.27	52.05%
271.27	274.32	3.05	3.04	99.67%	1.91	62.62%
274.32	277.37	3.05	2.95	96.72%	2.39	78.36%
277.37	280.42	3.05	3.05	100.00%	1.86	60.98%
280.42	283.46	3.04	3.04	100.00%	2.71	89.14%
283.46	286.51	3.05	3.03	99.34%	1.90	62.30%
286.51	289.56	3.05	3.03	99.34%	1.97	64.59%
289.56	292.61	3.05	3.05	100.00%	2.27	74.43%
292.61	295.66	3.05	2.99	98.03%	2.54	83.28%
295.66	298.70	3.04	2.98	98.03%	2.19	72.04%
298.70	299.92	1.22	1.16	95.08%	0.30	24.59%
299.92	300.53	0.61	0.52	85.25%	0.00	0.00%
300.53	303.58	3.05	3.05	100.00%	1.72	56.39%
303.58	306.78	3.20	3.14	98.13%	2.50	78.13%
306.78	309.83	3.05	3.05	100.00%	2.34	76.72%
309.83	313.03	3.20	3.06	95.63%	2.41	75.31%
313.03	313.94	0.91	0.91	100.00%	0.84	92.31%
313.94	316.99	3.05	3.01	98.69%	2.52	82.62%
316.99	319.74	2.75	2.75	100.00%	1.08	39.27%
319.74	322.17	2.43	2.43	100.00%	1.28	52.67%
322.17	325.22	3.05	3.02	99.02%	1.62	53.11%
325.22	328.57	3.35	3.04	90.75%	1.83	54.63%
328.57	331.62	3.05	3.03	99.34%	2.27	74.43%
331.62	334.67	3.05	2.82	92.46%	1.88	61.64%
334.67	337.72	3.05	3.05	100.00%	1.86	60.98%
337.72	341.07	3.35	3.23	96.42%	2.59	77.31%
341.07	344.42	3.35	3.20	95.52%	1.93	57.61%
344.42	347.47	3.05	3.05	100.00%	1.61	52.79%
347.47	350.52	3.05	3.05	100.00%	2.06	67.54%
350.52	353.57	3.05	2.97	97.38%	2.78	91.15%
353.57	356.62	3.05	3.05	100.00%	2.22	72.79%
356.62	359.66	3.04	3.04	100.00%	2.27	74.67%
359.66	362.71	3.05	2.99	98.03%	2.53	82.95%
362.71	365.76	3.05	3.05	100.00%	2.66	87.21%
365.76	368.81	3.05	3.04	99.67%	2.86	93.77%
368.81	371.86	3.05	2.96	97.05%	2.56	83.93%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-54

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
371.86	374.90	3.04	3.04	100.00%	2.66	87.50%
374.90	377.95	3.05	2.94	96.39%	2.58	84.59%
377.95	381.00	3.05	3.05	100.00%	2.80	91.80%
381.00	384.05	3.05	3.05	100.00%	1.40	45.90%
384.05	387.10	3.05	3.01	98.69%	2.37	77.70%
387.10	390.14	3.04	3.04	100.00%	2.76	90.79%
390.14	393.19	3.05	2.99	98.03%	2.62	85.90%
393.19	396.24	3.05	3.05	100.00%	2.55	83.61%
396.24	399.29	3.05	3.05	100.00%	2.35	77.05%
399.29	402.34	3.05	2.97	97.38%	2.43	79.67%
402.34	405.38	3.04	3.04	100.00%	2.09	68.75%
405.38	408.43	3.05	3.04	99.67%	2.74	89.84%
408.43	411.48	3.05	3.02	99.02%	2.75	90.16%
411.48	414.53	3.05	2.97	97.38%	2.36	77.38%
414.53	417.58	3.05	2.98	97.70%	2.37	77.70%
417.58	420.62	3.04	3.04	100.00%	2.96	97.37%
420.62	423.67	3.05	3.05	100.00%	2.65	86.89%
423.67	426.72	3.05	3.05	100.00%	2.79	91.48%
426.72	429.77	3.05	2.98	97.70%	2.25	73.77%
429.77	432.82	3.05	3.05	100.00%	2.85	93.44%
432.82	435.86	3.04	3.04	100.00%	2.70	88.82%
435.86	438.91	3.05	3.05	100.00%	2.26	74.10%
438.91	441.96	3.05	3.04	99.67%	2.48	81.31%
441.96	445.01	3.05	3.05	100.00%	2.25	73.77%
445.01	448.06	3.05	2.93	96.07%	1.79	58.69%
448.06	451.10	3.04	2.94	96.71%	2.63	86.51%
451.10	453.85	2.75	2.75	100.00%	0.89	32.36%
453.85	456.90	3.05	2.95	96.72%	0.99	32.46%
456.90	459.94	3.04	3.02	99.34%	2.30	75.66%
459.94	463.30	3.36	3.34	99.40%	2.83	84.23%
463.30	466.34	3.04	3.04	100.00%	2.48	81.58%
466.34	469.39	3.05	3.05	100.00%	2.76	90.49%
469.39	472.44	3.05	2.97	97.38%	2.78	91.15%
472.44	475.49	3.05	3.03	99.34%	2.55	83.61%
475.49	478.54	3.05	2.99	98.03%	2.99	98.03%
478.54	481.58	3.04	3.04	100.00%	2.90	95.39%
481.58	484.63	3.05	3.00	98.36%	2.67	87.54%
484.63	487.68	3.05	3.01	98.69%	2.54	83.28%
487.68	490.73	3.05	2.98	97.70%	2.76	90.49%
490.73	493.78	3.05	3.05	100.00%	2.85	93.44%
493.78	496.82	3.04	2.96	97.37%	2.49	81.91%
496.82	499.87	3.05	3.05	100.00%	2.76	90.49%
499.87	502.92	3.05	3.02	99.02%	2.80	91.80%
502.92	505.97	3.05	3.05	100.00%	2.52	82.62%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-54

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
505.97	509.02	3.05	2.96	97.05%	2.77	90.82%
509.02	512.06	3.04	3.02	99.34%	2.74	90.13%
512.06	515.11	3.05	3.00	98.36%	2.81	92.13%
515.11	518.16	3.05	3.03	99.34%	2.56	83.93%
518.16	521.21	3.05	3.03	99.34%	2.89	94.75%
521.21	524.26	3.05	3.05	100.00%	2.88	94.43%
524.26	527.30	3.04	3.02	99.34%	2.52	82.89%
527.30	EOH			98.37%		70.88%

Hole No: TCU93-55
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15373.59
(metres) E: 10663.70

Azimuth: 170.2
Dip: -38.1
Length (m): 473.96
Elevation: 113.00
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. BOISVENU DRILLING LTD.
Started: August 11, 1993
Completed: August 18, 1993
Recovery:

Date Logged: Aug. 13-19, 1993
Logged By: D. J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
1:46pm

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	170.2	-38.1															
3.0	170.1	-38.5	81.0	172.6	-36.3	159.0	174.3	-34.0	237.0	176.5	-31.0	315.0	178.6	-28.5	393.0	181.0	-25.5
6.0	170.2	-38.5	84.0	172.6	-36.3	162.0	174.4	-33.8	240.0	176.6	-31.0	318.0	178.7	-28.4	396.0	181.1	-25.6
9.0	170.3	-38.3	87.0	172.7	-36.3	165.0	174.5	-33.7	243.0	176.7	-30.9	321.0	178.8	-28.3	399.0	181.2	-25.5
12.0	170.4	-38.2	90.0	172.8	-36.2	168.0	174.5	-33.6	246.0	176.8	-30.6	324.0	178.9	-28.2	402.0	181.2	-25.5
15.0	170.5	-38.1	93.0	172.9	-36.1	171.0	174.6	-33.4	249.0	176.9	-30.4	327.0	179.0	-28.1	405.0	181.3	-25.4
18.0	170.6	-38.0	96.0	172.9	-36.1	174.0	174.6	-33.4	252.0	177.0	-30.4	330.0	179.0	-28.1	408.0	181.4	-25.3
21.0	170.7	-37.9	99.0	172.9	-36.1	177.0	174.7	-33.3	255.0	177.1	-30.3	333.0	179.1	-28.0	411.0	181.5	-25.2
24.0	170.8	-37.8	102.0	172.8	-35.9	180.0	174.9	-33.2	258.0	177.2	-30.2	336.0	179.2	-27.9	414.0	181.5	-25.1
27.0	170.9	-37.7	105.0	172.9	-35.8	183.0	174.9	-33.1	261.0	177.3	-30.1	339.0	179.3	-27.8	417.0	181.6	-25.0
30.0	171.2	-37.5	108.0	173.0	-35.8	186.0	174.9	-33.0	264.0	177.4	-30.0	342.0	179.3	-27.7	420.0	181.7	-24.8
33.0	171.2	-37.5	111.0	173.1	-35.7	189.0	175.1	-32.9	267.0	177.4	-29.9	345.0	179.4	-27.6	423.0	181.8	-24.6
36.0	171.4	-37.3	114.0	173.2	-35.6	192.0	175.1	-32.8	270.0	177.6	-29.8	348.0	179.5	-27.5	426.0	181.9	-24.5
39.0	171.5	-37.1	117.0	173.2	-35.5	195.0	175.3	-32.6	273.0	177.6	-29.7	351.0	179.6	-27.4	429.0	182.0	-24.4
42.0	171.7	-37.0	120.0	173.3	-35.4	198.0	175.4	-32.4	276.0	177.8	-29.5	354.0	179.7	-27.2	432.0	182.1	-24.4
45.0	171.7	-37.0	123.0	173.4	-35.3	201.0	175.4	-32.2	279.0	177.9	-29.4	357.0	179.8	-27.1	435.0	182.2	-24.3
48.0	171.9	-36.8	126.0	173.4	-35.2	204.0	175.4	-32.1	282.0	177.9	-29.2	360.0	180.0	-26.8	438.0	182.3	-24.1
51.0	171.9	-36.8	129.0	173.4	-35.2	207.0	175.5	-32.0	285.0	178.1	-29.1	363.0	180.1	-26.8	441.0	182.4	-24.0
54.0	171.9	-36.8	132.0	173.5	-35.1	210.0	175.5	-31.9	288.0	178.1	-29.1	366.0	180.2	-26.6	444.0	182.6	-23.9
57.0	171.9	-36.8	135.0	173.6	-35.0	213.0	175.6	-31.8	291.0	178.1	-28.9	369.0	180.3	-26.4	447.0	182.7	-23.8
60.0	172.0	-36.6	138.0	173.7	-34.9	216.0	175.7	-31.7	294.0	178.2	-28.7	372.0	180.4	-26.3	450.0	182.8	-23.7
63.0	172.0	-36.6	141.0	173.8	-34.7	219.0	175.9	-31.5	297.0	178.3	-28.6	375.0	180.5	-26.2	453.0	182.9	-23.5
66.0	172.1	-36.5	144.0	173.9	-34.5	222.0	176.0	-31.4	300.0	178.3	-28.6	378.0	180.7	-26.1	456.0	183.0	-23.3
69.0	172.2	-36.4	147.0	173.9	-34.5	225.0	176.1	-31.3	303.0	178.4	-28.5	381.0	180.8	-26.0	459.0	183.1	-23.1
72.0	172.2	-36.4	150.0	174.0	-34.3	228.0	176.2	-31.2	306.0	178.5	-28.5	384.0	180.9	-25.8			
75.0	172.3	-36.4	153.0	174.1	-34.1	231.0	176.3	-31.3	309.0	178.6	-28.5	387.0	180.9	-25.7			
78.0	172.4	-36.3	156.0	174.2	-34.0	234.0	176.4	-31.2	312.0	178.6	-28.5	390.0	181.0	-25.6			

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

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.80	CASING										
.80	71.45	FELDSPAR PHYRIC DACITE FLOWS; Massive, fine to medium-grained, medium grey coloured, locally mottled grey-greenish, feldspar phyric dacite flow; feldspar phenocrysts are milky white, subhedral to euhedral, average 5-8%, range in size from 0.5mm to 2mm; flow exhibits localized flow-breccia textures with rounded fragments and mottled chlorite + epidote + albite alteration; variably strong to non-magnetic; interval is weakly cut by epidote ± chlorite ± quartz ± magnetite veinlets (1mm-2cm), with epidote +/or albite flooded haloes.										
		17.45 17.90 FAULT Bleached, pale greenish grey fault zone with ≈60% clay alteration and re-healed gouge; minor carbonate-chlorite veinlets; upper contact at 60° to core axis; lower contact at 45° to core axis.										
		33.50 41.00 (Hematite) Maroon-grey tinge to feldspar phyric dacite flow; flow is massive and not flow brecciated; weakly cut by epidote veinlets (<3cm); upper and lower contacts are gradational over 50cm.										
		39.10 39.40 Intersected other BQ(?) drill hole at low angle (5-7°) to core axis.										
		43.20 44.30 BASALTIC INTRUSION; Dark green to black, fine-grained basaltic dyke; weakly magnetic; non-fractured; upper contact sharp at 55° to core axis; lower contact sharp but irregular.										
		57.20 60.38 BASALTIC INTRUSION; Dark green to black, fine to medium-grained basaltic dyke with chilled margins; weakly magnetic; rare fractures of epidote or prehnite (2mm) at low (20°) angle to core axis; upper and lower contacts are irregular and broken in core.										
		65.48 69.00 BASALTIC INTRUSION; Same as that described above from 57.20 to 60.38 metres; trace disseminated pyrite (fracture controlled); ≈1% magnetite; upper contact is sharp at 50° to core axis; lower contact sharp at 60° core axis.										
		70.50 70.85 BASALTIC INTRUSION; Dark green to black, very fine-grained basalt dyke; non-magnetic; sharp upper and lower contacts at 40° to core axis.										
71.45	111.25	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; Dark greenish, massive, feldspar phyric basaltic sub-volcanic intrusion with upper chilled contact at 25° to core axis; upper 60cm of interval contains xenoliths of feldspar phyric dacite flow from above interval; variably non-magnetic to magnetic; trace to 1% massive magnetite wisps and veinlets, <5mm, associated with chlorite ± epidote; feldspar crystals (≈10%) are chlorite (± sericite?) replaced and vague, from.5mm to ≈1mm; from 103.25 to 111.25 metres, feldspar crystals are absent (may be basaltic flow or dyke); contact at 111.25 metres is sharp, weakly fractured with minor gouge, at 45° to core axis.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		94.40 98.85 Fracture zone of low RQD (≈20%) core; fractures are fine (<.5mm) to 1.5cm wide at low angles (≈5°-30°) to core axis; white calcite, quartz and prehnite ± hematite (earthy red) and magnetite; core is weakly bleached grey-green.										
		103.55 109.48 Zone of weak fractures, similar to that described above from 94.40 to 98.85 metres; core is weakly bleached to greenish-grey; fractures are sub-parallel to core axis; RQD is ≈30%.										
111.25	129.60	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, maroon-grey, fine-grained feldspar phyric dacite flow; feldspar crystals (≈5-8%) have vague boundaries, are pale grey to whitish, range in size from 0.5mm to 3mm; interval is weakly cut by barren white quartz veinlets from 2mm to 3cm wide, at ≈30-45° to core axis; quartz breccia vein at 123.15 to 123.55 metres; very rare epidote or chlorite; upper 6m is strongly chlorite fractured and broken; low RQD>.										
129.60	132.75	BASALTIC INTRUSION; Dark greenish, fine-grained andesite to basalt dyke; upper contact is sharp and chilled at high (80-90°) angle to core axis; dyke appears to be brecciated to flow-banded and may contain indistinct xenoliths of dacitic wall-rock; interval is strongly fractured and core is broken; low RQD.										
132.75	143.30	FELDSPAR PHYRIC DACITE FLOWS; Massive, grey feldspar phyric (2-3%) dacite flow; medium to dark grey with a slight maroon tinge; feldspar crystals are indistinct and anhedral, greyish, <2mm dia.; local flow-banding textures at 30-40° to core axis; moderately cut by chlorite ± epidote veinlets and stringers with minor albitic alteration of wall-rock (up to 1cm from vein); core is moderately broken at 30-40° to core axis, but at right angles to flow-banding; from 136.80 to 137.00 is chloritic fault zone, sheared at 40° to core axis.										
143.30	144.92	FAULT Bleached, pale greenish to white, strongly sheared, brecciated and locally gougy fault zone; trace disseminated euhedral pyrite (≈1mm); ≈10% of interval is distinct clay gouge zones from 1cm to 6cm wide; chlorite, carbonate, clay, albite(?) alteration dominates; upper contact is sharp at 45° to core axis; lower contact is gougy and irregular.										
144.92	155.62	FELDSPAR PHYRIC DACITE FLOW BRECCIA; Mottled greyish green to greyish white, feldspar phyric dacite flow-breccia; breccia fragments are rounded, from <1cm to ≈7cm, variably feldspar phyric +/or weakly flow-banded; diffuse zones are intensely silicified +/or albitized, or chlorite-clay altered, similar to above fault zone; trace disseminated euhedral pyrite (≈1mm); weakly quartz ± cream coloured albite fractured.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
155.62	157.65	BASALTIC INTRUSION; Fine-grained, dark green to locally bleached pale grey-green, basaltic dyke; variably weak to strongly magnetic; bleaching (chlorite-clay alteration) is related to above fault zone from 143.30 to 144.92 metres; upper contact is sharp at 55° to core axis; lower contact is vague and irregular.										
157.65	166.25	FELDSPAR PHYRIC DACITE FLOWS; Same as that described above from 132.75 to 143.30 metres; very rare fractures, however core is locally broken into fine chips at low core angles; upper ≈2 metres of interval is bleached pale grey with minor shear zones and local intense clay alteration.										
166.25	167.70	BASALTIC INTRUSION; Fine-grained, medium to dark green, basaltic dyke; upper 40cm contains xenoliths of fine feldspar phyric dacite from above wall-rock; upper contact is sharp at 70° to core axis; lower contact sharp at 55° to core axis.										
167.70	175.43	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, greyish with maroon tinge, feldspar phyric dacite flow; fine-grained and homogeneous; feldspar phenocrysts constitute ≈5% of interval, are anhedral to euhedral, from <1mm to 2mm; similar to that described above from 111.25 to 129.60 metres; rare quartz veinlets from <1mm to 2cm wide (white, barren); high RQD; contacts with dykes are sharp.										
175.43	176.82	BASALTIC INTRUSION; Dark greenish, fine-grained basaltic dyke; black, very fine-grained chilled margins; weak to strongly magnetic with 1% magnetite concentrated in narrow epidote ± chlorite/quartz; upper contact sharp at 60° to core axis; lower contact sharp at 70° to core axis.										
176.82	187.70	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Same as that described above from 167.70 to 175.43 metres; weakly hematitic; lower contact marked by 8cm wide quartz + epidote + garnet vein at high (60-70°) angle to core axis.										
187.70	231.04	FELDSPAR PHYRIC DACITE FLOW BRECCIA; Medium greyish to mottled light grey, feldspar phyric dacite flow breccia; upper 6 to 7 metres is similar to that described above from 132.75 to 143.30 metres; massive greyish flow with up to 5% feldspar phenocrysts (<1mm-2mm); rest of interval is strongly flow brecciated with 10-20% light grey to white, rounded breccia fragments; rare dark grey, fine-grained fragments; very rare euhedral pyrite cubes up to 4mm; feldspar phyric nature is vague in strongly brecciated areas; fragmentation of flow increases downwards; chlorite veinlets ± epidote ±										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		quartz ± rare magnetite are moderate (<1mm to 1.5cm, 1 per 30-50cm core) from 212.00 to 218.00 metres; lower contact is gradational.										
231.04	234.40	DACITE LAPILLI TUFF; Medium to dark, grey to greenish, dominantly dacitic fragmental; lapilli fragments are generally less than 5cm; larger lapilli (5%) are dark green, chloritic (andesite?); all fragments are rounded to sub-rounded; fine lapilli and ash matrix is weakly sericite ± chlorite altered; no preferred fragmental alignment; crude fining downwards; sericite/chlorite alteration increases downwards.										
234.40	236.76	DACITE LAPILLI TUFF; (SERICITIZATION) (CORDIERITE) Light grey to greenish, dacitic(?) lapilli-sized tuff (or debris flow); strongly altered fragmental, probably heterolithic; dacitic(?) ash and fine lapilli (40-50%) are light grey, strongly sericite altered; 3-5% of fragments are dark grey, sub-angular, up to 3cm long; ≈50% of interval is dark green, strong chlorite altered; distinct fragmental alignment (structural fabric?) at 60° to core axis; cordierite is present in trace amounts at the middle of the interval, increasing downwards to 10-15% as rounded (2-8mm dia.) honey-brown porphyroblasts.	68253	234.40	236.76	2.36					
236.76	237.56	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Dark olive greenish, intense sericite altered tuff; very fine-grained with ≈5% very fine-grained pyrite, locally concentrated into irregular masses; upper contact is rapidly gradational over ≈3cm; lower contact sharp at 45° to core axis; bedding (foliation?) at 45° to core axis.	68254	236.76	237.56	.80						
237.56	238.10	ZINC FACIES; (MASSIVE SPHALERITE) Up to 30% combined sphalerite and galena as irregular bands within strongly sericitized interval; probable shearing parallel bedding plane at 45° to core axis; ≈2% of interval is porous voids parallel bedding; sphalerite (≈20%) varies from pale yellow to red/brown; galena is very fine grained to euhedral crystals up to ≈1mm; ≈2% disseminated pyrite; possible vein; upper and lower contacts are sharp at 45° to core axis;.	68255	237.56	238.10	.54	50.27	1066.42	.89	12.95	16.78	
238.10	239.30	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Same as that described above from 236.76 to 237.56 metres; 2-3% disseminated pyrite; core angles gradually change from 45° at the top to 25° to core axis at the bottom; lower contact sharp at 25° to core axis.	68256	238.10	239.30	1.20	1.78	25.37	.01	.11	.12	
239.30	240.15	ALTERED EXHALITE - SULPHIDE BEARING; (BARITE) (DISSEMINATED SPHALERITE) Exhalitive zone of mixed whitish grey barite (40%?) with sericite altered tuff (≈10%); up to 10-15% yellow-brown sphalerite; 5-8% galena; 3-5% pyrite; lower contact sharp but irregular.	68257	239.30	240.15	.85	10.39	268.83	.26	4.62	10.89	
240.15	240.77	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Similar to that described above from 236.76 to 237.56 metres; ≈30%	68258	240.15	240.77	.62						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		brownish biotite alteration in irregular masses with sharp contacts; 3-5% vuggy quartz veins up to 2cm wide with trace to 1% disseminated pyrite.										
240.77	244.60	ALTERED EXHALITE - SULPHIDE BEARING; (BARITE) (DISSEMINATED PYRITE) Exhalitive interval dominated by 40-50% whitish grey barite matrix with intermixed intervals (10-20%) of olive-green, waxy sericite; up to 5% honey-brown coloured sphalerite disseminated through barite; 3% disseminated galena; 3% chalcopyrite as cross-cutting stringers or disseminations in barite; 5% pyrite as fine disseminations, but near massive (40-50%) over lower 50cm.	68259	240.77	241.77	1.00	4.97	504.41	1.30	2.48	8.39	
			68260	241.77	242.77	1.00	1.68	172.48	1.10	1.13	7.95	
			68261	242.77	243.77	1.00	2.33	204.37	.80	2.85	7.68	
			68262	243.77	244.60	.83	3.33	170.76	.47	1.24	5.52	
244.60	247.85	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Intense sericite altered interval; olive greenish-grey coloured waxy sericite with 5% exhalitive barite as stringers and fragments; rare, barren, white quartz veinlets 1-2cm wide; 5-10% irregular brownish biotite altered zones with sharp contacts against sericite; 8-10% very fine disseminated pyrite throughout, locally concentrated; trace to 1% of both chalcopyrite and galena.	68263	244.60	245.60	1.00	2.30	93.27	.34	.05	.22	
			68264	245.60	246.60	1.00	1.30	74.07	.36	.31	.81	
			68265	246.60	247.85	1.25	.55	15.77	.15	.07	4.36	
247.85	260.65	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Medium to light grey fragmental (debris flow?) interval with 10-15% whitish grey fragments of chert or silicified volcanic and barite; fragments range from.5-4cm, subangular to subrounded, to rarely elongate and lenticular; matrix of interval (80-90%) is greyish green sericite ± silica altered tuff(?); up to 10% pyrite occurs disseminated within matrix as fine to coarse (2mm) grains or as rare massive bands. From 248.50 to 249.17 core is broken into fine chips; zero RQD. From 257.10 to 257.55 is white, barren quartz vein; lower contact sharp at 20° to core axis.	68266	247.85	249.35	1.50						
			68267	249.35	250.85	1.50						
			68268	250.85	252.35	1.50						
			68269	252.35	253.85	1.50						
			68270	253.85	255.35	1.50						
			68271	255.35	256.85	1.50						
			68272	256.85	258.35	1.50						
			68273	258.35	259.85	1.50						
			68274	259.85	260.65	.80	.48	21.26	1.95	.02	.08	
260.65	264.00	COPPER FACIES; (MASSIVE PYRITE) (DISSEMINATED CHALCOPYRITE) Massive pyrite interval of ≈80% fine-grained pyrite with 5-10% very fine, dark grey (sericite?) matrix interstitial to sulphides; ≈5-8% chalcopyrite as irregular wispy masses and coarse disseminations; trace disseminated sphalerite(?); upper contact sharp at 15-20° to core axis; lower contact is gradational, marked by rapid decrease in pyrite.	68275	260.65	261.65	1.00	.58	18.17	1.99	.01	.04	
			68276	261.65	262.65	1.00	2.67	27.77	1.96	.04	.07	
			68277	262.65	264.00	1.35	6.14	29.49	2.73	.02	.05	
264.00	268.30	ALTERED FACIES; (SERICITIZATION) (CORDIERITE) (DISSEMINATED SPHALERITE) Medium to dark olive-green-grey coloured, intense sericite altered, locally (30%) intense chlorite altered rock; protolith is unrecognizable; up to 10% very fine-grained pyrite in concentrated, wispy masses which sub-parallel foliation at 30-50° to core axis; upper 1.0 metre has up to 10% honey coloured sphalerite(?) diffusely banded, becoming less abundant downwards, to 1% over lower 1.0 metre; trace galena; lower 1.0 metre has 1% black, soft flecks, rounded to sub-angular (possible retrograde altered cordierite?).	68278	264.00	265.00	1.00	1.10	43.21	1.39	3.37	11.13	
			68279	265.00	266.00	1.00	.31	21.60	.04	1.34	4.22	
			68280	266.00	267.15	1.15	.75	29.15	.02	.19	2.16	
			68281	267.15	268.30	1.15	.75	38.40	.01	.95	2.81	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
268.30	281.80	**ALTERED FACIES; (SERICITIZATION) (CORDIERITE) (DISSEMINATED SPHALERITE)** Very similar to interval described above from 264 to 268.30 metres; upper contact is gradational marked by absence of sphalerite + black retrograde altered cordierite ; medium to dark green sericite dominates, with local, dark chlorite; rock has crude fragmental texture, with 3-5% sub-rounded white-grey intense silica altered fragments (≈5mm-4cm); lower 7 metres has ≈5% thinly banded and disrupted chert layers and fragments; ≈5-10% pyrite as fine disseminations or concentrated masses; trace to 2% soft retrograde altered cordierite(?) as soft, round, 5-10mm dia. Porphyroblasts. 275.80 276.55 **SLOKO RHYOLITE DYKE;** Light green-grey to black, weakly white feldspar phyric (2%) rhyolite dyke; upper and lower contacts are sharp at 60° to core axis.	68282 68283 68284 68285 68286 68287 68288	268.30 270.30 272.30 274.30 276.55 278.55 280.55	270.30 272.30 274.30 275.80 278.55 280.55 281.80	2.00 2.00 2.00 1.50 2.00 2.00 1.25	 .89 .82 	 37.72 28.12 	 .74 .77 	 .26 .05 	 2.53 .86 	
281.80	286.38	**SLOKO RHYOLITE DYKE;** Very fine-grained, pale greenish grey rhyolite dyke; well flow banded at 28° to core axis; contacts are chilled and sharp; upper contact at 65° to core axis; lower contact at 70° to core axis.										
286.38	290.70	**ALTERED EXHALITE - SULPHIDE BEARING; (CHLORITIZATION) (GYPSUM)** Dark greenish grey, intense chlorite ± sericite altered rock with ≈40-50% interbedded whitish grey gypsum; alternating layers of chlorite and gypsum are 1mm to 5cm wide at variable angles to core axis, from 30-60°, or locally contorted (swirled pattern); trace to ≈2% very fine-grained pyrite; lower contact is sharp at low angle (≈10°) to core axis.	68289 68290	286.38 288.88	288.88 290.70	2.50 1.82						
290.70	300.75	**ALTERED FACIES; (SERICITIZATION) (CHLORITIZATION) (DISSEMINATED PYRITE)** Dark greyish to olive green, intense chlorite ± sericite(?) altered; protolith is unrecognizable; vague textures of possible lapilli tuff fragmental; average pyrite content is 2% however concentrations up to 10-15% are present over ≈30cm as diffuse, semi-massive wisps around fault zone (see sub-interval below); lower contact is sharp, marked by gougy, foliated shear zone 6cm wide at 40° to core axis. 291.45 294.10 **FAULT** Sheared and fractured zone; partially rehealed by white quartz, or fracture filled with white calcite; fractures are sub-parallel or at low angle (<20°) to core axis; fractures from 291.60 to 293.00 are sheared and intensely chloritic to gougy; trace to 5% disseminated pyrite present in host rock.	68291 68292 68293 68294	290.70 293.20 295.70 298.20	293.20 295.70 298.20 300.75	2.50 2.50 2.50 2.55						
300.75	306.75	**ALTERED FACIES; (SERICITIZATION) (SILICIFICATION) (DISSEMINATED PYRITE)** Medium to buff green-grey colour; intense sericite (80%) ± silica (<10%) ± pyrite (2-5%) altered zone; probable fragmental zone (debris flow) with vague to locally distinct fragments; pyrite up to 5% occurs with grey silica as matrix around fragment-supported tuff(?); lower contact is gradational as sericite alteration decreases and silica alteration increases in interval below; colour and texture are unchanged across	68295 68296 68297	300.75 303.25 305.75	303.25 305.75 306.75	2.50 2.50 1.00						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		contact.										
306.75	368.20	ALTERED FACIES; (SILICIFICATION) (SERICITIZATION) (STRINGER PYRITE) Gradational alteration contact at top of interval into intense silica alteration; protolith is unrecognizable; colour is generally light to medium grey; fragmental texture is common throughout, with 10-15% white to pale grey, aphanitic to fine-grained, silica replaced rock fragments; matrix is medium greyish, with occasional sericitic intervals; locally grey green with variable pyrite from 2% fine disseminated, to 20%, near massive brecciated veins from <1cm to 80cm wide (core width); samples 68310 and 68311 have up to 15-20% pyrite as irregular oriented pyrite-silica veins up to 80cm wide; pyrite is crudely banded but weakly brecciated. 309.25 310.64 BASALTIC INTRUSION; Intense chlorite replaced, dark greenish, altered basaltic(?) dyke; upper and lower contacts are sharp at 45° and 60° to core axis, respectively; up to ≈8-10% fine disseminated pyrite.	68298	306.75	309.25	2.50					
			68299	309.25	311.75	2.50					
			68300	311.75	314.25	2.50					
			68301	314.25	316.75	2.50					
			68302	316.75	319.25	2.50					
			68303	319.25	321.75	2.50					
			68304	321.75	324.25	2.50					
			68305	324.25	326.75	2.50					
			68306	326.75	329.25	2.50					
			68307	329.25	331.75	2.50					
			68308	331.75	334.25	2.50					
			68309	334.25	336.75	2.50					
			68310	336.75	339.25	2.50					
			68311	339.25	341.75	2.50					
			68312	341.75	344.25	2.50					
			68313	344.25	346.75	2.50					
			68314	346.75	349.25	2.50					
			68315	349.25	351.75	2.50					
			68316	351.75	354.25	2.50					
			68317	354.25	356.75	2.50					
			68318	356.75	359.25	2.50					
			68319	359.25	361.75	2.50					
			68320	361.75	364.25	2.50					
			68321	364.25	366.75	2.50					
			68322	366.75	368.20	1.45					
368.20	373.90	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (CORDIERITE) (DISSEMINATED PYRITE) Medium to light greyish brown, silica + sericite altered amygdaloidal fragmental interval; weak silica alteration is pervasive, locally strong in featureless, grey, pyritic intervals up to 10cm wide; amygdaloidal fragments have vague boundaries; amygdules (≈5%, <1mm-3mm) are replaced with cordierite, or very rarely quartz; moderate biotite alteration is present in <5% of interval as dark brownish patches and wisps; pyrite (5%) is fine to coarse, disseminated throughout.	68323	368.20	370.70	2.50					
			68324	370.70	372.30	1.60					
			68325	372.30	373.90	1.60					
373.90	377.80	ALTERED FACIES; (SERICITIZATION) (SILICIFICATION) (STRINGER PYRITE) Medium greyish, intense sericite altered, moderate silica altered; non-amygdaloidal; fragmental textures are vague and washed-out; up to 10% pyrite, finely disseminated throughout, but dominantly concentrated in stringers (≈1mm) and veins (3cm to 8cm wide).	68326	373.90	376.40	2.50					
			68327	376.40	377.80	1.40					
377.80	378.70	BASALTIC INTRUSION; Dark grey to blackish, amphibole phyric (≈1mm, 2-5%) basaltic dyke;									

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		weakly magnetic; trace pyrite at contacts; upper contact sharp at 30° to core axis; lower contact sharp at ≈40° to core axis.										
378.70	384.30	ALTERED FACIES; (SERICITIZATION) (SILICIFICATION) (STRINGER PYRITE) Same as that described above from 373.90-377.80 metres, but less fragmental texture - more fractured texture; pyrite (5-8%) is disseminated or in highly irregular oriented stringers and veinlets (2mm-3mm); 3cm X 5cm sericite zone with trace greenish flecks of fuchsite(?) 15cm from lower contact with dyke.	68328	378.70	381.20	2.50						
			68329	381.20	382.80	1.60						
			68330	382.80	384.30	1.50						
384.30	386.80	BASALTIC INTRUSION; Black, very fine-grained basaltic dyke (trace-1% amphibole phyric); 1-2% disseminated pyrite within 5% of dyke which is dark brown-green biotite ± chlorite altered; 5% of dyke is cut by barren white quartz veinlets (2-7cm wide) at high (60-75°) angle to core axis.										
386.80	393.63	ALTERED FACIES; (SERICITIZATION) (SILICIFICATION) (DISSEMINATED PYRITE) Similar to that described above from 373.90 to 377.80 metres, however chlorite alteration (≈20%) is also present; up to 15-20% disseminated to semi-massive pyrite; very minor silica alteration; sericite alteration is dominant; protolith is unrecognizable.	68331	386.80	389.30	2.50						
			68332	389.30	391.80	2.50						
			68333	391.80	393.63	1.83						
393.63	394.95	BASALTIC INTRUSION; Similar to that described above from 384.30 to 386.80 metres, however ≈2% quartz veins up to 3cm wide with minor biotite ± chlorite ± alteration; ≈1% disseminated pyrite near upper contact; upper contact sharp at 25° to core axis; lower contact sharp at 35° to core axis.										
394.95	397.65	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SERICITIZATION) (DISSEMINATED CHALCOPYRITE) Light greyish, intense sericite altered, weak silica altered interval with very vague, locally quartz amygdaloidal textures (2-4mm, 2-3%); protolith is unrecognizable; 2-3% disseminated pyrite throughout, however locally concentrated over lower 55cm; trace disseminated chalcopyrite.	68334	394.95	397.65	2.70						
397.65	399.12	BASALTIC INTRUSION; Same as that described above from 393.65 to 394.95 metres; upper contact irregular; lower contact sharp at 50° to core axis.										
399.12	417.90	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (CHLORITIZATION) (DISSEMINATED CHALCOPYRITE) Medium to dark greyish, locally brown-grey, variably sericite + chlorite ± biotite altered; protolith is unrecognizable (possible basalt ash tuff), however ash and fine lapilli (<3cm) textures are dominant; ≈1-2% of lapilli fragments are strongly quartz amygdaloidal; fragments range from sub-rounded to angular; 5-8% disseminated pyrite within ash matrix; trace chalcopyrite, however up to ≈10% chalcopyrite over 10-12cm from	68335	399.12	401.62	2.50						
			68336	401.62	404.12	2.50						
			68337	404.12	406.62	2.50						
			68338	406.62	409.12	2.50						
			68339	409.12	411.33	2.21						
			68340	411.77	412.72	.95						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		402.88 to 403.00 metres, and from 416.00 to 416.10 metres.	68341	413.08	414.05	.97						
411.33	414.46	BASALTIC INTRUSION; Three very fine-grained homogeneous, black, moderately magnetic basaltic dykes from 411.33 to 411.77m, from 412.72 to 413.08m, and from 414.05 to 414.45 metres; 2-3% fine (1mm) rounded cordierite porphyroblasts in dykes; all contacts are sharp at 35°-55° to core axis.	68342	414.46	416.96	2.50						
			68343	416.96	417.90	.94						
417.90	419.25	BASALTIC INTRUSION; Same lithology as the dykes described in the above sub-interval from 411.33 to 414.46 metres, with very weak epidote + chlorite veinlets; upper and lower contacts are sharp at 25° to core axis.										
419.25	426.85	AMYGDALOIDAL BASALT FRAGMENTAL; (SERICITIZATION) (CHLORITIZATION) (DISSEMINATED PYRITE) Mixed fragmental interval, probable debris flow, dominated by 40% pale grey angular felsic fragments of pumiceous dacite or rhyolite, from <1cm to 9cm; rare felsic fragments are flow-banded; 10-20% of fragments are dark greenish chlorite/sericite ± biotite altered; ≈5-8% disseminated pyrite is confined to chloritic matrix; no silica alteration in this interval; lower contact is gradational marked by decrease in felsic fragments.	68344	419.25	421.75	2.50						
			68345	421.75	424.25	2.50						
			68346	424.25	426.85	2.60						
426.85	473.96	AMYGDALOIDAL BASALT FRAGMENTAL; (CHLORITIZATION) (DISSEMINATED PYRITE) Mixed fragmental interval similar to that described above, without felsic fragments; generally heterolithic lapilli-sized fragments, dark to medium grey coloured; ≈2-5% quartz amygdaloidal fragments; local intervals have angular, aquagene breccia textures; matrix is intense chlorite altered, with 5-8% disseminated pyrite; very rare grey silica + pyrite veinlets.										
473.96		EOH										

Hole No: TCU93-55
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15373.59
(metres) E: 10663.70

Azimuth: 170.2
Dip: -38.1
Length (m): 473.96
Elevation: 113.00
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. BOISVENU DRILLING LTD.
Started: August 11, 1993
Completed: August 18, 1993
Recovery:

Date Logged: Aug. 13-19, 1993
Logged By: D. J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
1:45pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68253	234.40	236.76	2.36	2.76						37	1.9	75	129	778	1.93	16	3	7	305	
68254	236.76	237.56	.80	2.94						1180	13.1	177	513	775	5.01	296	4	26	83	
68255	237.56	238.10	.54	3.77	50.27	1066.42	.89	12.95	16.78	32500	295.3	4345	38584	99999	1.22	1017	655	2640	73	
68256	238.10	239.30	1.20	2.91	1.78	25.37	.01	.11	.12	8870	23.6	104	895	908	3.55	108	3	45	94	
68257	239.30	240.15	.85	3.97	10.39	268.83	.26	4.62	10.89	11600	211.4	2128	43858	99999	2.20	310	260	920	49	
68258	240.15	240.77	.62	2.91						440	7.7	261	1047	2511	3.10	104	6	25	81	
68259	240.77	241.77	1.00	3.90	4.97	504.41	1.30	2.48	8.39	3640	331.0	9375	33593	78958	3.26	1771	313	2236	33	
68260	241.77	242.77	1.00	4.00	1.68	172.48	1.10	1.13	7.95	1160	114.9	9536	11467	78720	4.90	637	319	287	44	
68261	242.77	243.77	1.00	3.83	2.33	204.37	.80	2.85	7.68	2380	135.1	5999	38818	68825	6.39	772	266	602	48	
68262	243.77	244.60	.83	3.70	3.33	170.76	.47	1.24	5.52	4030	116.5	3490	11368	49352	16.06	975	186	743	83	
68263	244.60	245.60	1.00	3.01	2.30	93.27	.34	.05	.22	1760	78.3	3074	293	1969	8.09	690	9	464	99	
68264	245.60	246.60	1.00	3.20	1.30	74.07	.36	.31	.81	1470	62.5	3208	2771	7797	7.84	743	30	250	195	
68265	246.60	247.85	1.25		.55	15.77	.15	.07	4.36	870	7.9	1234	122	37544	5.75	179	163	28	82	
68266	247.85	249.35	1.50							260	3.7	732	883	6918	2.13	67	27	9	85	
68267	249.35	250.85	1.50							120	1.2	537	69	4749	3.24	29	16	2	82	
68268	250.85	252.35	1.50							290	1.4	802	64	6559	5.18	144	25	3	47	
68269	252.35	253.85	1.50							290	4.4	4430	113	226	8.65	142	1	2	60	
68270	253.85	255.35	1.50							120	1.2	393	25	106	3.16	70	0	2	62	
68271	255.35	256.85	1.50							48	.4	40	8	74	2.43	14	0	2	94	
68272	256.85	258.35	1.50							27	.2	29	18	54	2.28	12	0	2	88	
68273	258.35	259.85	1.50							27	.7	112	9	245	2.19	52	0	2	171	
68274	259.85	260.65	.80	2.83	.48	21.26	1.95	.02	.08	430	17.9	18004	15	462	4.25	627	2	49	102	
68275	260.65	261.65	1.00	4.09	.58	18.17	1.99	.01	.04	270	13.9	17702	20	168	20.93	751	0	20	30	
68276	261.65	262.65	1.00	5.01	2.67	27.77	1.96	.04	.07	900	23.7	18306	118	183	20.50	403	1	19	13	
68277	262.65	264.00	1.35	4.42	6.14	29.49	2.73	.02	.05	11880	22.7	23416	139	333	20.59	423	1	18	20	
68278	264.00	265.00	1.00	3.75	1.10	43.21	1.39	3.37	11.13	620	25.1	7784	25387	99999	10.11	3046	358	316	83	
68279	265.00	266.00	1.00	3.27	.31	21.60	.04	1.34	4.22	210	19.1	300	14951	39054	2.39	127	124	29	70	
68280	266.00	267.15	1.15	2.97	.75	29.15	.02	.19	2.16	650	26.2	156	2032	20045	3.44	115	29	16	46	
68281	267.15	268.30	1.15	2.91	.75	38.40	.01	.95	2.81	570	36.3	122	10781	25316	1.71	83	34	17	61	
68282	268.30	270.30	2.00							150	9.6	52	1263	3348	2.38	43	7	5	39	
68283	270.30	272.30	2.00							370	15.2	77	695	1059	3.32	76	3	9	42	
68284	272.30	274.30	2.00		.89	37.72	.74	.26	2.53	660	35.4	7037	2685	20921	4.61	2887	72	613	131	

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68285	274.30	275.80	1.50		.82	28.12	.77	.05	.86	500	26.0	7309	430	8942	7.82	2943	34	617	113
68286	276.55	278.55	2.00							80	3.1	78	15	195	2.41	49	0	9	91
68287	278.55	280.55	2.00							43	2.9	47	20	182	2.81	53	0	7	95
68288	280.55	281.80	1.25							78	4.7	44	35	188	3.86	51	0	5	61
68289	286.38	288.88	2.50							62	.9	90	42	3734	2.82	77	13	6	112
68290	288.88	290.70	1.82							89	.6	387	24	2128	2.72	227	7	28	111
68291	290.70	293.20	2.50							66	1.7	2074	18	4794	5.43	739	16	128	100
68292	293.20	295.70	2.50							60	.9	1344	84	2372	9.12	273	8	39	49
68293	295.70	298.20	2.50							41	.2	62	21	29	3.61	76	0	4	76
68294	298.20	300.75	2.55							41	.4	169	19	41	4.47	78	1	7	79
68295	300.75	303.25	2.50							110	.8	137	36	337	5.31	91	1	8	57
68296	303.25	305.75	2.50							140	1.1	104	33	445	6.92	143	2	10	37
68297	305.75	306.75	1.00							67	.3	44	16	43	2.83	31	0	2	80
68298	306.75	309.25	2.50							56	.9	1097	20	717	4.92	179	4	3	54
68299	309.25	311.75	2.50							63	.7	455	26	123	8.26	144	1	2	34
68300	311.75	314.25	2.50							34	.5	35	11	33	4.00	63	0	2	58
68301	314.25	316.75	2.50							26	.6	63	14	76	5.91	133	0	3	43
68302	316.75	319.25	2.50							38	.6	55	16	56	4.07	113	0	2	54
68303	319.25	321.75	2.50							31	.7	56	14	39	6.17	130	0	2	45
68304	321.75	324.25	2.50							33	.6	46	20	17	5.25	136	0	2	45
68305	324.25	326.75	2.50							49	2.1	67	20	18	5.16	143	0	2	47
68306	326.75	329.25	2.50							37	.4	40	14	14	4.85	108	0	2	53
68307	329.25	331.75	2.50							30	.5	37	14	33	7.68	113	0	2	40
68308	331.75	334.25	2.50							34	.5	18	10	20	11.70	59	0	2	26
68309	334.25	336.75	2.50							65	1.4	20	9	8	8.35	59	0	2	37
68310	336.75	339.25	2.50							53	2.2	47	17	13	15.08	136	0	2	23
68311	339.25	341.75	2.50							69	2.0	59	32	13	18.72	194	0	4	25
68312	341.75	344.25	2.50							22	.8	36	11	8	6.15	66	0	4	55
68313	344.25	346.75	2.50							42	1.1	264	11	26	5.22	108	0	14	48
68314	346.75	349.25	2.50							23	.2	87	6	11	8.15	83	0	4	41
68315	349.25	351.75	2.50							32	.4	30	8	12	4.84	112	0	2	47
68316	351.75	354.25	2.50							23	.3	28	11	10	4.85	86	0	4	60
68317	354.25	356.75	2.50							25	.2	34	13	11	6.79	110	0	2	48
68318	356.75	359.25	2.50							32	1.5	33	15	19	5.96	102	0	2	43
68319	359.25	361.75	2.50							27	.8	22	15	21	4.36	62	0	2	56
68320	361.75	364.25	2.50							57	2.3	38	23	41	9.76	131	0	2	22
68321	364.25	366.75	2.50							36	.6	22	11	28	6.87	72	0	2	46
68322	366.75	368.20	1.45							66	.7	41	12	18	8.71	113	0	2	38
68323	368.20	370.70	2.50							18	.2	16	63	173	4.56	37	0	4	55
68324	370.70	372.30	1.60							10	.1	12	13	60	3.39	14	0	4	92
68325	372.30	373.90	1.60							25	.5	27	12	40	2.76	18	0	2	77
68326	373.90	376.40	2.50							83	1.6	674	21	55	5.57	58	0	4	46
68327	376.40	377.80	1.40							130	2.4	1157	21	47	9.41	59	0	11	30
68328	378.70	381.20	2.50							50	.3	535	10	70	6.26	56	0	5	34
68329	381.20	382.80	1.60							41	.4	296	13	29	2.83	64	0	4	74
68330	382.80	384.30	1.50							74	.7	75	11	18	4.54	143	0	5	66
68331	386.80	389.30	2.50							83	1.4	50	15	12	5.76	131	0	4	63

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68332	389.30	391.80	2.50							95	1.4	59	17	62	7.52	141	0	2	37
68333	391.80	393.63	1.83							120	1.9	127	21	406	12.99	155	0	2	87
68334	394.95	397.65	2.70							110	2.1	1228	9	74	7.35	72	0	8	50
68335	399.12	401.62	2.50							33	.3	166	9	12	6.34	90	0	2	50
68336	401.62	404.12	2.50							67	1.9	4889	19	45	9.90	130	0	4	28
68337	404.12	406.62	2.50							55	.4	61	14	55	6.84	144	0	2	58
68338	406.62	409.12	2.50							35	.4	237	12	30	7.89	47	0	2	58
68339	409.12	411.33	2.21							24	.3	87	9	41	8.59	152	0	2	51
68340	411.77	412.72	.95							10	.3	87	7	41	5.52	26	0	2	63
68341	413.08	414.05	.97							34	.3	174	6	61	8.72	36	0	2	40
68342	414.46	416.96	2.50							23	1.0	5864	6	68	7.34	44	1	6	33
68343	416.96	417.90	.94							33	.4	120	11	11	6.32	41	0	4	47
68344	419.25	421.75	2.50							47	.4	47	9	55	6.66	210	0	2	45
68345	421.75	424.25	2.50							21	.2	70	12	24	5.79	258	0	5	61
68346	424.25	426.85	2.60							23	.2	79	9	23	6.23	164	0	3	62

Hole No: TCU93-55
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15373.59
(metres) E: 10663.70

Azimuth: 170.2
Dip: -38.1
Length (m): 473.96
Elevation: 113.00
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors Underground
Contractor: F. BOISVENU DRILLING LTD.
Started: August 11, 1993
Completed: August 18, 1993
Recovery:

Date Logged: Aug. 13-19, 1993
Logged By: D. J. Harrison
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
1:44pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68253	234.40	236.76	2.36	1	9	5	174	5	3	19	2	4	.28	7	13	1.73	.05	5	1
68254	236.76	237.56	.80	3	19	15	81	10	2	16	2	5	.33	2	2	.35	.01	3	1
68255	237.56	238.10	.54	22	2	1	78	5	2	47	2	2	.33	2	3	.12	.01	3	2
68256	238.10	239.30	1.20	4	23	8	56	5	2	18	2	7	.26	2	34	.40	.01	2	24
68257	239.30	240.15	.85	7	16	5	57	6	2	59	2	5	.17	2	20	.14	.02	2	1
68258	240.15	240.77	.62	2	116	18	325	10	2	74	2	53	1.11	2	237	2.79	.12	2	1
68259	240.77	241.77	1.00	25	6	2	33	5	2	61	2	2	.05	2	5	.05	.01	2	1
68260	241.77	242.77	1.00	23	5	2	15	5	2	60	2	2	.08	2	1	.01	.01	2	1
68261	242.77	243.77	1.00	15	8	3	38	5	2	35	2	2	.18	2	4	.06	.01	2	4
68262	243.77	244.60	.83	17	12	9	111	10	2	17	2	2	.24	2	7	.14	.01	2	1
68263	244.60	245.60	1.00	16	7	4	46	5	2	24	2	2	.31	2	5	.17	.01	3	1
68264	245.60	246.60	1.00	7	29	14	112	5	2	37	2	8	.66	2	48	.35	.01	2	1
68265	246.60	247.85	1.25	6	16	6	110	5	2	38	2	4	.52	2	28	.34	.01	2	1
68266	247.85	249.35	1.50	4	6	5	111	5	2	33	2	2	.25	2	6	.63	.01	2	1
68267	249.35	250.85	1.50	4	7	7	277	5	2	26	2	2	.28	2	6	1.86	.01	3	1
68268	250.85	252.35	1.50	6	7	10	174	5	2	9	2	2	.13	2	2	.73	.01	2	1
68269	252.35	253.85	1.50	6	53	16	296	5	2	29	2	6	.45	2	55	1.80	.01	2	1
68270	253.85	255.35	1.50	4	8	8	158	5	2	13	2	2	.18	4	3	.91	.01	2	1
68271	255.35	256.85	1.50	3	7	7	258	5	2	18	2	2	.18	3	5	1.69	.01	4	1
68272	256.85	258.35	1.50	3	7	6	227	5	2	23	2	2	.30	3	6	1.37	.01	4	1
68273	258.35	259.85	1.50	4	6	6	278	5	2	26	2	4	.24	3	2	2.15	.01	2	1
68274	259.85	260.65	.80	4	5	8	565	5	2	30	2	5	.30	2	3	2.98	.01	2	2
68275	260.65	261.65	1.00	6	6	4	150	5	2	10	2	2	.07	2	5	.70	.01	2	3
68276	261.65	262.65	1.00	3	3	3	34	5	2	6	2	2	.02	2	5	.11	.01	2	3
68277	262.65	264.00	1.35	6	3	3	43	5	2	11	3	2	.03	2	2	.15	.01	2	3
68278	264.00	265.00	1.00	7	7	6	228	10	2	26	2	6	.39	2	3	.81	.01	3	1
68279	265.00	266.00	1.00	3	4	5	88	5	2	81	2	2	.46	2	1	.20	.01	2	1
68280	266.00	267.15	1.15	3	9	13	48	5	6	36	2	2	.34	3	1	.06	.01	2	1
68281	267.15	268.30	1.15	4	6	8	56	5	6	15	2	2	.20	4	2	.11	.01	3	1
68282	268.30	270.30	2.00	1	5	4	42	5	3	27	2	2	.26	4	3	.10	.01	2	1
68283	270.30	272.30	2.00	3	12	11	29	5	3	39	2	2	.53	3	2	.08	.01	2	1
68284	272.30	274.30	2.00	6	4	8	55	5	2	33	2	2	.07	4	2	.09	.01	2	34

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68285	274.30	275.80	1.50	1	6	7	219	5	2	43	2	2	.18	2	3	.57	.01	2	4
68286	276.55	278.55	2.00	2	17	8	382	5	3	30	2	5	.20	4	14	2.16	.01	2	1
68287	278.55	280.55	2.00	4	5	6	372	5	3	19	2	2	.15	5	4	1.76	.01	2	1
68288	280.55	281.80	1.25	4	5	6	332	5	3	28	2	2	.10	4	5	1.69	.01	2	1
68289	286.38	288.88	2.50	2	4	3	80	5	3	11	2	2	.25	7	2	.19	.01	2	1
68290	288.88	290.70	1.82	3	3	3	136	5	3	15	2	2	.19	9	4	.44	.01	2	1
68291	290.70	293.20	2.50	1	3	5	584	5	3	33	2	2	1.40	6	3	1.58	.01	2	1
68292	293.20	295.70	2.50	6	10	5	90	5	2	7	2	2	.21	6	3	.16	.01	2	1
68293	295.70	298.20	2.50	4	3	3	47	5	3	5	2	2	.06	10	4	.06	.01	2	1
68294	298.20	300.75	2.55	3	5	4	93	5	3	7	2	2	.11	12	6	.12	.01	2	1
68295	300.75	303.25	2.50	7	3	4	42	5	2	4	2	2	.06	6	3	.05	.01	2	1
68296	303.25	305.75	2.50	4	5	4	33	5	2	4	4	2	.04	7	3	.05	.01	2	1
68297	305.75	306.75	1.00	6	5	4	31	5	2	4	3	2	.04	9	6	.04	.01	2	1
68298	306.75	309.25	2.50	9	4	3	36	5	2	3	5	2	.04	6	4	.04	.01	2	1
68299	309.25	311.75	2.50	15	4	3	31	5	2	5	6	2	.05	11	4	.04	.01	2	1
68300	311.75	314.25	2.50	5	5	2	40	5	2	4	3	2	.06	9	4	.05	.01	2	1
68301	314.25	316.75	2.50	4	4	2	33	5	2	4	3	2	.04	7	5	.05	.01	2	1
68302	316.75	319.25	2.50	5	5	2	47	5	2	5	2	2	.07	8	5	.07	.01	2	1
68303	319.25	321.75	2.50	6	5	3	48	5	2	5	3	2	.07	8	7	.06	.01	2	1
68304	321.75	324.25	2.50	5	4	2	39	5	2	4	5	2	.04	8	6	.06	.01	2	1
68305	324.25	326.75	2.50	3	5	1	52	5	2	4	3	2	.05	8	7	.09	.01	2	1
68306	326.75	329.25	2.50	4	4	1	51	5	2	5	3	2	.09	9	6	.08	.01	2	1
68307	329.25	331.75	2.50	5	4	2	53	5	2	5	3	2	.05	6	6	.13	.01	2	1
68308	331.75	334.25	2.50	10	6	4	41	5	2	4	5	2	.04	4	7	.06	.01	2	1
68309	334.25	336.75	2.50	5	6	2	38	5	2	4	3	2	.04	4	6	.06	.01	2	1
68310	336.75	339.25	2.50	7	7	6	41	5	2	5	4	2	.07	2	2	.10	.01	2	1
68311	339.25	341.75	2.50	6	10	7	43	5	2	7	8	2	.08	2	5	.13	.01	2	1
68312	341.75	344.25	2.50	4	4	4	46	5	2	9	3	2	.09	7	5	.14	.01	2	1
68313	344.25	346.75	2.50	8	4	4	35	5	2	9	5	2	.08	8	4	.08	.01	2	1
68314	346.75	349.25	2.50	5	5	6	42	5	2	6	2	2	.09	5	6	.05	.01	2	1
68315	349.25	351.75	2.50	3	5	3	51	5	2	6	2	2	.11	6	5	.05	.01	2	1
68316	351.75	354.25	2.50	3	4	6	57	5	2	12	2	2	.29	5	4	.08	.01	2	1
68317	354.25	356.75	2.50	4	5	6	56	5	2	7	2	2	.23	5	7	.06	.01	2	1
68318	356.75	359.25	2.50	3	6	7	52	5	2	6	2	2	.19	4	7	.06	.01	2	1
68319	359.25	361.75	2.50	3	3	7	64	5	2	9	2	2	.28	5	4	.07	.01	2	1
68320	361.75	364.25	2.50	4	8	10	98	5	2	24	2	14	.37	2	12	.27	.04	2	1
68321	364.25	366.75	2.50	4	5	5	49	5	2	8	3	2	.17	4	8	.12	.01	2	1
68322	366.75	368.20	1.45	2	4	8	81	5	2	25	2	3	.26	4	5	.29	.01	2	1
68323	368.20	370.70	2.50	1	4	2	296	5	2	57	2	5	.35	2	3	1.58	.04	4	1
68324	370.70	372.30	1.60	1	4	1	273	5	2	19	2	2	.11	4	3	2.01	.04	3	1
68325	372.30	373.90	1.60	2	4	1	204	5	2	23	2	2	.13	5	3	1.19	.02	3	1
68326	373.90	376.40	2.50	3	3	1	89	5	2	12	2	2	.13	4	2	.45	.01	3	1
68327	376.40	377.80	1.40	2	5	1	55	5	2	20	2	2	.26	2	3	.33	.01	3	1
68328	378.70	381.20	2.50	1	3	1	103	5	2	23	2	2	.26	3	3	.53	.01	4	1
68329	381.20	382.80	1.60	2	7	2	51	5	2	25	2	2	.24	5	2	.28	.01	3	1
68330	382.80	384.30	1.50	3	11	5	42	5	2	28	2	3	.27	4	4	.23	.01	3	1
68331	386.80	389.30	2.50	5	11	9	58	5	2	47	2	5	.66	3	3	.30	.01	3	1

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68332	389.30	391.80	2.50	3	5	4	304	5	2	32	3	7	.45	2	2	1.26	.04	2	1
68333	391.80	393.63	1.83	4	8	7	732	5	2	31	5	12	.52	2	2	2.54	.08	2	1
68334	394.95	397.65	2.70	4	3	7	60	5	2	23	12	4	.36	2	2	.23	.01	4	1
68335	399.12	401.62	2.50	3	7	21	67	5	2	27	2	16	.38	2	2	.25	.01	3	1
68336	401.62	404.12	2.50	4	7	20	162	5	2	16	4	21	.32	2	2	.58	.02	3	1
68337	404.12	406.62	2.50	6	6	23	480	5	2	19	5	52	.60	2	3	1.99	.06	4	1
68338	406.62	409.12	2.50	3	5	23	288	5	2	17	2	29	.52	3	2	1.06	.02	2	1
68339	409.12	411.33	2.21	4	6	22	361	5	2	19	2	33	.45	3	2	1.22	.02	2	1
68340	411.77	412.72	.95	1	27	17	265	5	2	158	2	73	1.88	3	43	1.18	.16	3	1
68341	413.08	414.05	.97	1	7	22	150	5	2	37	4	34	.64	2	5	.79	.02	2	1
68342	414.46	416.96	2.50	5	14	16	61	5	2	37	8	18	.34	2	15	.29	.03	5	1
68343	416.96	417.90	.94	6	7	19	30	5	2	19	12	16	.26	2	3	.12	.01	4	1
68344	419.25	421.75	2.50	2	34	24	396	5	2	22	2	29	.41	3	36	1.32	.03	3	1
68345	421.75	424.25	2.50	3	9	46	255	5	2	10	2	24	.25	3	2	.84	.02	4	1
68346	424.25	426.85	2.60	1	7	39	262	5	2	14	2	22	.34	3	2	.88	.02	5	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-55

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
0.00	1.22	1.22	0.35	28.69%	0.00	0.00%
1.22	2.44	1.22	0.69	56.56%	0.00	0.00%
2.44	5.49	3.05	2.95	96.72%	1.49	48.85%
5.49	8.23	2.74	2.64	96.35%	2.27	82.85%
8.23	11.28	3.05	3.05	100.00%	1.57	51.48%
11.28	14.63	3.35	3.20	95.52%	2.52	75.22%
14.63	17.68	3.05	2.97	97.38%	1.87	61.31%
17.68	18.59	0.91	0.62	68.13%	0.10	10.99%
18.59	20.73	2.14	2.02	94.39%	1.19	55.61%
20.73	23.77	3.04	3.04	100.00%	2.13	70.07%
23.77	25.30	1.53	1.40	91.50%	1.22	79.74%
25.30	27.74	2.44	2.44	100.00%	1.83	75.00%
27.74	29.87	2.13	1.97	92.49%	0.80	37.56%
29.87	32.31	2.44	2.44	100.00%	1.94	79.51%
32.31	35.36	3.05	2.81	92.13%	1.33	43.61%
35.36	37.19	1.83	1.83	100.00%	1.44	78.69%
37.19	38.56	1.37	1.35	98.54%	0.39	28.47%
38.56	41.76	3.20	2.95	92.19%	0.37	11.56%
41.76	44.81	3.05	3.05	100.00%	2.11	69.18%
44.81	47.85	3.04	3.04	100.00%	2.03	66.78%
47.85	50.90	3.05	3.05	100.00%	2.26	74.10%
50.90	53.95	3.05	2.93	96.07%	1.43	46.89%
53.95	57.30	3.35	3.35	100.00%	2.01	60.00%
57.30	60.35	3.05	3.05	100.00%	0.72	23.61%
60.35	63.40	3.05	3.03	99.34%	2.42	79.34%
63.40	66.45	3.05	3.05	100.00%	1.08	35.41%
66.45	69.49	3.04	3.04	100.00%	2.35	77.30%
69.49	72.54	3.05	3.00	98.36%	2.52	82.62%
72.54	75.59	3.05	3.05	100.00%	2.73	89.51%
75.59	78.64	3.05	3.05	100.00%	2.70	88.52%
78.64	81.69	3.05	3.05	100.00%	2.82	92.46%
81.69	84.73	3.04	3.04	100.00%	2.68	88.16%
84.73	87.78	3.05	3.05	100.00%	2.72	89.18%
87.78	90.83	3.05	2.98	97.70%	1.98	64.92%
90.83	93.88	3.05	3.04	99.67%	2.15	70.49%
93.88	95.40	1.52	1.52	100.00%	0.74	48.68%
95.40	98.15	2.75	2.75	100.00%	0.30	10.91%
98.15	100.58	2.43	2.43	100.00%	1.30	53.50%
100.58	103.02	2.44	2.40	98.36%	1.97	80.74%
103.02	104.24	1.22	1.02	83.61%	0.36	29.51%
104.24	106.07	1.83	1.70	92.90%	0.91	49.73%
106.07	107.59	1.52	1.48	97.37%	0.82	53.95%
107.59	109.12	1.53	1.53	100.00%	0.62	40.52%
109.12	111.25	2.13	2.13	100.00%	1.28	60.09%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-55

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
111.25	115.21	3.96	3.56	89.90%	1.01	25.51%
115.21	117.50	2.29	2.29	100.00%	0.50	21.83%
117.50	119.63	2.13	2.13	100.00%	0.36	16.90%
119.63	121.92	2.29	2.29	100.00%	0.10	4.37%
121.92	124.36	2.44	2.44	100.00%	1.37	56.15%
124.36	127.41	3.05	3.05	100.00%	1.60	52.46%
127.41	130.45	3.04	3.04	100.00%	0.62	20.39%
130.45	132.28	1.83	1.75	95.63%	0.35	19.13%
132.28	135.33	3.05	2.65	86.89%	0.50	16.39%
135.33	138.38	3.05	3.05	100.00%	0.38	12.46%
138.38	141.43	3.05	3.05	100.00%	1.50	49.18%
141.43	144.48	3.05	3.05	100.00%	1.74	57.05%
144.48	147.52	3.04	3.04	100.00%	1.96	64.47%
147.52	150.57	3.05	3.05	100.00%	2.44	80.00%
150.57	153.62	3.05	3.05	100.00%	2.78	91.15%
153.62	156.67	3.05	3.05	100.00%	2.21	72.46%
156.67	159.87	3.20	3.20	100.00%	1.64	51.25%
159.87	163.07	3.20	3.20	100.00%	1.29	40.31%
163.07	164.29	1.22	1.12	91.80%	0.16	13.11%
164.29	165.51	1.22	1.22	100.00%	0.44	36.07%
165.51	168.55	3.04	3.04	100.00%	2.22	73.03%
168.55	171.60	3.05	3.05	100.00%	2.40	78.69%
171.60	174.65	3.05	3.05	100.00%	2.93	96.07%
174.65	177.70	3.05	3.05	100.00%	2.90	95.08%
177.70	179.22	1.52	1.43	94.08%	1.15	75.66%
179.22	182.27	3.05	2.93	96.07%	2.78	91.15%
182.27	185.32	3.05	3.05	100.00%	2.57	84.26%
185.32	188.37	3.05	2.94	96.39%	0.95	31.15%
188.37	191.41	3.04	3.04	100.00%	2.83	93.09%
191.41	194.46	3.05	3.01	98.69%	2.87	94.10%
194.46	197.51	3.05	3.03	99.34%	2.86	93.77%
197.51	200.56	3.05	3.05	100.00%	3.00	98.36%
200.56	203.61	3.05	3.00	98.36%	2.77	90.82%
203.61	206.65	3.04	3.04	100.00%	2.87	94.41%
206.65	209.70	3.05	2.99	98.03%	2.70	88.52%
209.70	212.75	3.05	3.05	100.00%	2.80	91.80%
212.75	215.80	3.05	3.05	100.00%	2.80	91.80%
215.80	218.85	3.05	3.05	100.00%	1.30	42.62%
218.85	221.89	3.04	3.04	100.00%	2.54	83.55%
221.89	224.94	3.05	3.03	99.34%	2.90	95.08%
224.94	227.99	3.05	3.05	100.00%	2.33	76.39%
227.99	231.04	3.05	3.05	100.00%	2.58	84.59%
231.04	234.09	3.05	2.96	97.05%	2.64	86.56%
234.09	237.13	3.04	3.04	100.00%	3.04	100.00%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-55

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
237.13	239.88	2.75	2.60	94.55%	1.39	50.55%
239.88	242.93	3.05	3.05	100.00%	2.75	90.16%
242.93	246.13	3.20	3.18	99.38%	2.70	84.38%
246.13	249.33	3.20	3.09	96.56%	2.23	69.69%
249.33	252.37	3.04	3.04	100.00%	2.37	77.96%
252.37	254.81	2.44	2.44	100.00%	0.64	26.23%
254.81	257.25	2.44	2.44	100.00%	1.45	59.43%
257.25	259.99	2.74	2.74	100.00%	1.57	57.30%
259.99	263.35	3.36	3.19	94.94%	2.32	69.05%
263.35	266.40	3.05	2.97	97.38%	2.74	89.84%
266.40	270.66	4.26	4.26	100.00%	3.52	82.63%
270.66	273.71	3.05	3.05	100.00%	2.46	80.66%
273.71	275.84	2.13	1.96	92.02%	0.85	39.91%
275.84	276.76	0.92	0.86	93.48%	0.00	0.00%
276.76	279.81	3.05	3.02	99.02%	2.19	71.80%
279.81	282.85	3.04	3.00	98.68%	1.64	53.95%
282.85	285.90	3.05	2.91	95.41%	1.98	64.92%
285.90	288.95	3.05	3.05	100.00%	1.51	49.51%
288.95	292.00	3.05	3.05	100.00%	2.06	67.54%
292.00	295.05	3.05	3.05	100.00%	1.61	52.79%
295.05	298.09	3.04	3.04	100.00%	2.21	72.70%
298.09	301.14	3.05	3.05	100.00%	1.88	61.64%
301.14	304.19	3.05	2.93	96.07%	1.04	34.10%
304.19	307.24	3.05	3.05	100.00%	2.34	76.72%
307.24	310.29	3.05	3.05	100.00%	2.28	74.75%
310.29	313.33	3.04	3.04	100.00%	2.61	85.86%
313.33	316.38	3.05	3.05	100.00%	2.58	84.59%
316.38	319.43	3.05	2.98	97.70%	2.47	80.98%
319.43	322.48	3.05	3.01	98.69%	2.95	96.72%
322.48	325.53	3.05	3.03	99.34%	2.52	82.62%
325.53	328.57	3.04	3.03	99.67%	2.54	83.55%
328.57	331.62	3.05	3.01	98.69%	2.50	81.97%
331.62	334.67	3.05	3.03	99.34%	3.03	99.34%
334.67	337.72	3.05	3.03	99.34%	2.76	90.49%
337.72	340.77	3.05	2.95	96.72%	2.59	84.92%
340.77	343.81	3.04	3.04	100.00%	2.48	81.58%
343.81	346.86	3.05	3.05	100.00%	2.95	96.72%
346.86	347.78	0.92	0.92	100.00%	0.92	100.00%
347.78	349.91	2.13	2.08	97.65%	1.99	93.43%
349.91	352.96	3.05	3.05	100.00%	2.68	87.87%
352.96	356.01	3.05	2.93	96.07%	2.71	88.85%
356.01	359.05	3.04	3.04	100.00%	3.04	100.00%
359.05	362.10	3.05	3.05	100.00%	2.90	95.08%
362.10	365.15	3.05	3.05	100.00%	2.90	95.08%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-55

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED L > 10 cm	R.Q.D.
365.15	368.20	3.05	3.03	99.34%	2.75	90.16%
368.20	371.25	3.05	3.01	98.69%	2.74	89.84%
371.25	374.29	3.04	3.04	100.00%	2.80	92.11%
374.29	377.34	3.05	3.03	99.34%	2.91	95.41%
377.34	380.39	3.05	3.02	99.02%	3.02	99.02%
380.39	383.44	3.05	3.01	98.69%	2.93	96.07%
383.44	386.49	3.05	3.05	100.00%	2.88	94.43%
386.49	389.53	3.04	3.03	99.67%	2.93	96.38%
389.53	392.58	3.05	3.05	100.00%	3.04	99.67%
392.58	395.63	3.05	3.03	99.34%	2.62	85.90%
395.63	398.68	3.05	3.05	100.00%	2.90	95.08%
398.68	401.73	3.05	3.00	98.36%	2.82	92.46%
401.73	404.77	3.04	3.02	99.34%	2.94	96.71%
404.77	407.82	3.05	3.04	99.67%	2.97	97.38%
407.82	410.87	3.05	3.04	99.67%	3.04	99.67%
410.87	413.92	3.05	3.00	98.36%	2.56	83.93%
413.92	416.97	3.05	3.03	99.34%	2.88	94.43%
416.97	420.01	3.04	3.03	99.67%	2.37	77.96%
420.01	423.06	3.05	3.05	100.00%	2.98	97.70%
423.06	426.11	3.05	2.95	96.72%	2.80	91.80%
426.11	429.16	3.05	3.01	98.69%	2.96	97.05%
429.16	432.21	3.05	3.05	100.00%	3.03	99.34%
432.21	435.25	3.04	3.01	99.01%	3.01	99.01%
435.25	438.30	3.05	3.05	100.00%	2.86	93.77%
438.30	441.35	3.05	3.05	100.00%	2.36	77.38%
441.35	443.79	2.44	2.44	100.00%	0.81	33.20%
443.79	446.84	3.05	3.02	99.02%	2.45	80.33%
446.84	448.36	1.52	1.52	100.00%	1.29	84.87%
448.36	451.41	3.05	3.05	100.00%	3.05	100.00%
451.41	454.46	3.05	3.05	100.00%	2.81	92.13%
454.46	457.50	3.04	3.04	100.00%	2.92	96.05%
457.50	460.55	3.05	3.05	100.00%	2.97	97.38%
460.55	463.75	3.20	3.11	97.19%	3.11	97.19%
463.75	466.95	3.20	3.03	94.69%	2.91	90.94%
466.95	470.00	3.05	3.05	100.00%	2.76	90.49%
470.00	473.05	3.05	3.05	100.00%	2.76	90.49%
473.05	EOH			98.37%		73.34%

Hole No: TCU93-56
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15544.29
(metres) E: 10597.84

Azimuth: 157.9
Dip: -61.2
Length (m): 590.40
Elevation: 113.52
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 13, 1993
Completed: Aug. 24, 1993
Recovery:

Date Logged: Aug. 14-24, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 2:15pm

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	157.9	-61.2															
3.1	158.1	-60.8	98.6	160.4	-60.9	194.1	162.0	-60.6	289.6	164.5	-60.2	385.1	165.4	-59.0	480.6	167.0	-58.5
6.2	158.4	-60.8	101.7	160.4	-60.9	197.2	162.2	-60.6	292.7	164.5	-60.2	388.2	165.6	-59.0	483.7	167.0	-58.5
9.2	158.4	-60.8	104.8	160.4	-60.9	200.3	162.2	-60.6	295.8	164.5	-60.2	391.3	165.6	-59.0	486.8	166.8	-58.5
12.3	158.6	-60.8	107.8	160.6	-60.9	203.4	162.2	-60.6	298.9	164.5	-60.2	394.4	165.8	-58.9	489.9	166.8	-58.5
15.4	158.6	-60.8	110.9	160.6	-60.9	206.4	162.2	-60.6	301.9	164.5	-60.2	397.5	165.8	-58.9	493.0	167.0	-58.5
18.5	158.6	-60.8	114.0	160.8	-60.8	209.5	162.2	-60.6	305.0	164.5	-60.2	400.5	165.8	-58.9	496.0	167.0	-58.5
21.6	158.6	-60.8	117.1	160.8	-60.8	212.6	162.2	-60.6	308.1	164.5	-60.2	403.6	166.0	-59.0	499.1	167.2	-58.4
24.6	158.6	-60.9	120.2	160.8	-60.8	215.7	162.4	-60.5	311.2	164.7	-60.1	406.7	166.0	-58.9	502.2	167.4	-58.3
27.7	158.6	-60.9	123.2	160.8	-60.8	218.8	162.4	-60.5	314.3	164.9	-60.0	409.8	166.0	-58.9	505.3	167.4	-58.3
30.8	158.6	-60.9	126.3	160.8	-60.8	221.8	162.4	-60.5	317.3	164.9	-60.0	412.9	166.0	-58.9	508.4	167.6	-58.2
33.9	158.6	-60.9	129.4	160.8	-60.8	224.9	162.6	-60.5	320.4	165.1	-59.9	415.9	166.0	-58.9	511.5	167.6	-58.2
37.0	158.6	-60.9	132.5	161.0	-60.8	228.0	162.9	-60.4	323.5	165.1	-59.9	419.0	166.0	-58.9	514.5	167.8	-58.2
40.0	158.6	-60.9	135.6	161.0	-60.7	231.1	162.9	-60.4	326.6	165.1	-59.8	422.1	166.2	-58.8	517.6	167.8	-58.1
43.1	158.8	-60.8	138.6	161.0	-60.7	234.2	163.1	-60.4	329.7	165.1	-59.8	425.2	166.4	-58.9	520.7	167.9	-58.0
46.2	159.0	-60.8	141.7	161.2	-60.8	237.2	163.1	-60.4	332.8	165.1	-59.8	428.3	166.4	-58.9	523.8	167.9	-57.9
49.3	159.0	-60.8	144.8	161.2	-60.7	240.3	162.9	-60.4	335.8	165.1	-59.7	431.3	166.4	-58.9	526.8	168.1	-57.8
52.4	159.0	-60.8	147.9	161.2	-60.7	243.4	163.1	-60.3	338.9	165.1	-59.7	434.4	166.4	-58.9	529.9	168.1	-57.8
55.5	159.2	-60.9	151.0	161.2	-60.7	246.5	163.3	-60.4	342.0	165.1	-59.7	437.5	166.4	-58.9	533.0	168.3	-57.7
58.5	159.2	-60.9	154.1	161.2	-60.7	249.6	163.5	-60.3	345.1	164.9	-59.6	440.6	166.4	-58.9	536.1	168.5	-57.6
61.6	159.2	-60.9	157.1	161.4	-60.7	252.6	163.5	-60.3	348.1	165.1	-59.5	443.7	166.4	-58.9	539.2	168.7	-57.5
64.7	159.2	-60.9	160.2	161.4	-60.7	255.7	163.7	-60.3	351.2	165.3	-59.4	446.8	166.6	-58.9	542.3	168.9	-57.4
67.8	159.2	-60.9	163.3	161.4	-60.7	258.8	163.7	-60.3	354.3	165.3	-59.3	449.8	166.6	-58.9	545.3	169.1	-57.3
70.9	159.2	-60.9	166.4	161.4	-60.8	261.9	163.7	-60.3	357.4	165.1	-59.3	452.9	166.8	-58.8	548.4	169.3	-57.2
73.9	159.4	-60.9	169.4	161.4	-60.8	265.0	163.9	-60.2	360.5	165.3	-59.2	456.0	166.8	-58.7	551.5	169.4	-57.1
77.0	159.6	-60.9	172.5	161.4	-60.8	268.0	164.1	-60.2	363.6	165.3	-59.2	459.1	167.0	-58.6	554.6	169.6	-56.9
80.1	159.6	-60.9	175.6	161.4	-60.8	271.1	164.1	-60.2	366.6	165.3	-59.1	462.1	167.0	-58.6	557.7	169.8	-56.7
83.2	159.8	-60.9	178.7	161.6	-60.7	274.2	164.3	-60.1	369.7	165.4	-59.0	465.2	167.0	-58.6			
86.3	159.8	-60.9	181.8	161.6	-60.6	277.3	164.5	-60.2	372.8	165.4	-59.0	468.3	167.0	-58.6			
89.3	160.0	-60.9	184.9	161.8	-60.6	280.4	164.5	-60.1	375.9	165.4	-59.0	471.4	167.0	-58.6			
92.4	160.0	-60.9	187.9	161.8	-60.6	283.5	164.5	-60.2	379.0	165.4	-59.0	474.5	167.2	-58.5			
95.5	160.2	-60.9	191.0	161.8	-60.6	286.5	164.5	-60.2	382.0	165.4	-59.0	477.6	167.0	-58.5			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	1.22	CASING										
1.22	5.20	BASALT UNDIFFERENTIATED; (PROPYLITIC) Massive, medium to dark green, propylitically altered, fine grained mafic flow or subvolcanic intrusion. Rare chlorite + epidote + quartz + pyrite veins (<10cm, @ 60° to CA). Lower contact sharp @ 40° to CA; lower metre chilled.										
5.20	6.17	FELDSPAR BEARING BASALT ASH TUFF; (PROPYLITIC) Faintly laminated, medium green, propylitically altered, feldspar (<1mm, euhedral) crystal mafic ash tuff with some heterolithic lapilli (<2cm) clasts. Unit graded upwards--right way up. Laminations and lower contact sharp @ 40° to CA.										
6.17	15.25	VOLCANIC SEDIMENTS; (PROPYLITIC) Laminated to bedded, medium green to black, mafic ash tuff, tuffaceous argillite, and rare grey chert. Laminations @ 40° to CA; graded beds--right way up. Chlorite fractures (randomly orientated, <1cm) with silica envelopes (<1cm). Lower contact sharp @ 40° to CA. 7.35 7.50 Massive, medium green, fine grained mafic tuff layer or subvolcanic sill; unit is overprinted by cordierite (<1cm, euhedral retrograded to green chlorite ?). Upper and lower contact sharp @ 40° to CA. 8.23 8.60 Massive, medium green, fine grained mafic flow or subvolcanic sill. Upper and lower contacts @ 40° to CA. 12.40 12.70 Similar to 7.35 - 7.50 metres; upper and lower contacts @ 40° to CA.										
15.25	23.46	BASALT LAPILLI TUFF - AMYGDALOIDAL; (PROPYLITIC) Massive, dark green, propylitically altered, amygdaloidal (quartz + chlorite + actinolite + magnetite), fine grained to aphanitic mafic flow. Interval strongly fractured (chlorite ± calcite, low angles to core) and broken core; 0 RQD. Magnetic throughout interval. Lower contact not observed (broken core).										
23.46	28.60	VOLCANIC SEDIMENTS; (BIOTITIZATION) (SILICIFICATION) Faintly laminated, pale green (bleached) and brown, biotite ± silica altered tuffaceous argillite and mafic ash tuff. Laminations @ 60° to CA. Disseminated fine grained pyrite (<1%). Strongly fractured (chlorite + calcite, low angles to core) and broken interval; low RQD's.										
28.60	28.96	FAULT Broken, fractured and ground core; minor (<5mm) gouge @ 10° to CA.										
28.96	44.10	VOLCANIC SEDIMENTS; Laminated to bedded, pale green (bleached) and dark green to black, mafic										

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

ash tuff and siliceous argillite. Laminations @ 55° to CA. Selective cordierite (<5mm, black, sub-euhedral, pseudomorphed by chlorite) alteration of some beds. Vein types include (i) chlorite fractures (<5mm, randomly oriented) with silica envelopes (<1cm) and (ii) rare quartz + calcite fractures.

44.10 57.50 FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; (SILICIFICATION)
Massive, dark green, silicified, feldspar (<1cm) and pyroxene (<2mm, euhedral) phyric mafic flow or subvolcanic intrusion.
53.80 54.10 FAULT Broken and fractured (chlorite, 30° to CA, slickensides) core.
55.10 55.47 FAULT Broken and fractured (chlorite, 30° to CA) core.

57.50 128.00 FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; (PROPYLITIC)
Massive, medium green, propylitically altered, feldspar (<2mm, euhedral) ± amphibole (<1mm) phyric, fine to medium grained, undifferentiated mafic subvolcanic intrusion (or flow). Minor quartz + chlorite + epidote ± actinolite ± magnetite ± chalcopyrite veins (<1cm, randomly oriented). Lower contact gradational.
57.50 60.30 Broken and fractured (chlorite, <30° to CA) core.
67.80 67.85 Chlorite ± calcite fracture (@ 30° to CA, 5mm gouge and slickensides).
85.00 85.75 Broken and fractured (chlorite ± calcite, low angles to core, slickensides) core.
86.00 86.60 Broken and fractured (chlorite ± calcite ± quartz ± epidote, <10cm, @ 50° to CA) core.
100.90 101.10 Chlorite fracture (@ 35° to CA) with minor gouge (<5mm).
120.00 120.10 Calcite healed fracture @ 60° to CA.

128.00 137.00 BASALT UNDIFFERENTIATED; (PROPYLITIC)
Massive, dark green to black, propylitically altered, fine grained to aphanitic, undifferentiated mafic subvolcanic intrusion (or flow); may be chilled margin to BAU1 above. Lower contact gradational (over 20cm) with unit below.
131.35 131.90 FAULT Broken and fractured core. Chlorite + calcite shears @ 30 - 40° to CA. Some pyrite ± ankerite (?) + fuchsite + quartz + chlorite veins.
132.50 134.60 Broken and fractured (chlorite ± calcite, 0-30° to CA).

137.00 146.30 AMPHIBOLE PHYRIC BASALT INTRUSION; (PROPYLITIC)
Massive, dark green, propylitically altered, amphibole (<5mm, euhedral, altered to chlorite, in part flow aligned @ 45° to CA) phyric, undifferentiated, mafic subvolcanic intrusion (or flow). Vein types include (i) quartz ± chlorite veinlets (<5mm) and (ii) calcite fractures. Lower contact sharp @ 60° to CA.

146.30 199.65 BASALT UNDIFFERENTIATED; (PROPYLITIC)

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Massive, dark green to black, propylitically altered (interval very hard--leaves knife over much of interval), fine grained to aphanitic, mafic flow or intrusive; some intervals with chlorite ± magnetite ± chalcopyrite amygdules. Vein types include (i) chlorite fractures (<2mm, 1/2cm from 146.30 - 160.00 metres, randomly orientated) with silica envelopes (<1cm to pervasive zones up to 20cm) and (ii) minor calcite fractures (<2mm). Disseminated fine grained pyrite (<1%). Lower contact chlorite + quartz shear (10cm) @ 65° to CA.										
		146.30 151.10 Broken and chlorite ± calcite + pyrite fractured core; minor gouge (5mm) @ 30° to CA. Interval light green 'bleached' mafic flow.										
		192.50 199.65 Broken and chlorite fractured core; fractures @ 0 - 50° to CA.										
199.65	212.25	VOLCANIC SEDIMENTS; (HEMATITE) Thinly laminated to bedded, dark green to black with maroon tinge, hematitic, fine mafic (?) ash tuff (40%) and tuffaceous argillite (50%) with rare hematitic (± magnetite) tuffaceous chert (<10%) beds. Laminations @ 35° to CA. Some chlorite + epidote + magnetite fractures (<1cm, randomly orientated) with silica envelopes (<1cm). Trace disseminated fine grained pyrite. Selective cordierite ? (<2mm, black to beige) alteration of some mafic tuff beds. Lower contact sharp @ 25° to CA.										
		211.90 212.10 Quartz ± chlorite ± epidote ± purple barite ? vein @ 60° to CA.										
212.25	223.05	DACITE LAPILLI TUFF; (HEMATITE) Layered, greyish green to dark green and maroon, chlorite + sericite + hematite altered, heterolithic dacite to andesite lapilli tuff. Lapilli are <4cm, wispy, and consist mainly of dark green, chlorite altered mafic (?) volcanic, lesser hematite+magnetite clasts, and feldspar ± quartz phyric dacite. Lapilli aligned @ 30° to CA. Matrix consists of lighter greenish grey sericite + chlorite altered ash (submarine ash flow deposit ?). Lower contact sharp @ 40° to CA (chlorite sheared and altered over 10cm).										
		215.49 215.52 Chlorite ± calcite fracture (@ 20° to CA, slickensides @ 30°--rake on fracture surface.										
		217.00 217.20 Chlorite + calcite fracture (@ 15° to CA, slickensides @ 40°).										
223.05	224.25	BASALTIC INTRUSION; Massive, medium green, fine grained to aphanitic, mafic dyke. Calcite ± pyrite (<1%) fractures throughout interval (<2mm, randomly orientated). Lower contact chlorite fracture @ 35° to CA.										
224.25	234.00	DACITE LAPILLI TUFF; (HEMATITE) Similar to 212.25 - 223.05 metres; layering @ 50° to CA. Lower contact										

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

sharp @ 30° to CA.
232.90 232.93 Quartz + purple barite (?) vein @ 65° to CA cut by later chlorite shear (0° to CA, 2cm displacement).

234.00 236.70 BASALTIC INTRUSION;
Similar to 223.05 - 224.25 metres. Lower contact irregular @ 15° to CA.

236.70 237.80 FELDSPAR PHYRIC DACITE FLOW BRECCIA; (HEMATITE)
Layered or flow banded, dark green with maroon tinge, chlorite + hematite altered, feldspar (<2mm, euhedral) ± quartz (<1mm) phyric dacite flow breccia/lapilli tuff. Breccia clasts are <2cm diameter, angular, homolithic, greyish green in a dark green matrix. Minor epidote veinlets (<3mm, randomly oriented). Lower contact sharp @ 75° to CA.

237.80 239.67 BASALTIC INTRUSION;
Massive, dark green, fine grained to aphanitic, mafic dyke. Rare chlorite + magnetite + quartz vein (<3cm, @ 70° to CA). Minor cubic magnetite (<5mm, after pyrite ?) grains. Lower contact sharp @ 50° to CA.

239.67 240.65 FELDSPAR PHYRIC DACITE FLOW BRECCIA; (HEMATITE)
Massive, greyish green with maroon tinge, propylitically altered, feldspar (<2mm) phyric fine grained to aphanitic dacite flow. Lower contact sharp @ 45° to CA.

240.65 250.10 BASALTIC INTRUSION;
Similar to 237.80 - 239.67 metres. Some sections with disseminated, light brown to buff, cordierite grains (<1mm). Lower contact sharp @ 30° to CA.

250.10 286.35 DACITE FLOWS; (HEMATITE)
Massive, light and dark greyish green with maroon tinge (grades into mainly maroon unit from 270.00 - 284.00 metres), propylitically (chlorite ± epidote ± sericite ± hematite) altered, feldspar (<3mm, euhedral) and quartz (1mm) phyric dacite flow. Chlorite ± epidote fractures (<5mm, randomly orientated) with silica envelopes to pervasive zones of silica flooding. Unit is weakly magnetic.
253.15 253.50 BASALTIC INTRUSION; Upper and lower contact sharp @ 65° to CA.
257.50 258.45 BASALTIC INTRUSION; Upper contact @ 60° to CA; lower contact @ 80° to CA.
259.45 259.55 BASALTIC INTRUSION; Upper and lower contacts sharp @ 70° to CA.
260.85 261.18 BASALTIC INTRUSION; Upper and lower contacts sharp @ 70° to CA.

286.35 302.75 DACITE FLOW BRECCIA; (PROPYLITIC)
Layered, light to dark greyish green with maroon tinge, propylitically (chlorite + epidote ± sericite) altered in part, fine grained to

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

aphanitic, homolithic dacite flow breccia and/or lapilli tuff. Layering or flow banding @ 60° to CA. Breccia clasts are subangular, <2cm, homolithic, and clast supported. Chlorite + epidote ± garnet fractures (<1cm, 60° to CA, 1/1m) with silica envelopes (<1cm). Lower contact is sharp @ 65° to CA.
291.00 291.10 Chlorite ± calcite + sericite altered shear @ 50° to CA.

302.75 316.00 BASALT UNDIFFERENTIATED; (PROPYLITIC)
Massive, homogeneous, medium green, propylitically altered, fine grained mafic subvolcanic intrusion (or flow). Chlorite + epidote + magnetite + quartz ± garnet veins (<1cm, randomly orientated). Gradational contact with phyric interval below.

316.00 349.00 FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; (PROPYLITIC)
Massive, homogeneous, medium green, propylitically altered, feldspar (<2mm, subhedral) phyric, fine grained mafic subvolcanic intrusion (or flow). Chlorite + epidote + magnetite + quartz + garnet veins (<1cm, randomly orientated). Lower contact gradational with finer grained interval below.

349.00 444.71 BASALT UNDIFFERENTIATED; (PROPYLITIC)
Massive, dark green to black, propylitically altered, fine grained to aphanitic, undifferentiated mafic subvolcanic intrusion (or flow). Quartz + chlorite + magnetite ± chalcopyrite veins (<2cm, randomly orientated, 1/2 metre). Lower contact irregular and brecciated @ high angles to core.
353.47 354.00 Broken and fractured (chlorite ± calcite, 50-60° to CA) core.
417.26 418.00 Chlorite + biotite altered sheared and brecciated zone @ 45° to CA; minor magnetite.
418.60 418.62 Calcite infilled interlocking breccia; breccia clasts <3cm diameter (crackle breccia).
430.40 430.66 Broken and fractured (chlorite ± calcite, low angle to CA) core.
431.00 432.10 Broken and fractured (chlorite, @ 0-10° to CA) core.
437.00 437.70 Broken and sheared (chlorite ± calcite altered, @ 0-20° to CA) core.
443.20 443.40 Chlorite ± calcite + magnetite altered brecciated BAU; breccia clasts are <2cm diameter, angular, in part interlocking and aligned @ 50° to CA.
443.70 444.90 Broken and fractured (chlorite ± calcite, @ low angles to CA) core.

444.71 481.90 FELDSPAR PHYRIC DACITE FLOWS;
Weakly foliated and flow banded, light and dark greyish green, silica + chlorite altered, feldspar (1-2mm, euhedral) and quartz (<1mm) phyric dacite flow and flow breccia. Chlorite ± magnetite ± quartz ± epidote veins (<1cm, randomly orientated) with silica (± albite ?) envelopes

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		(<1cm) to pervasive zones (40cm). Flow breccia clasts (<10cm) are selectively silica altered. Matrix is chlorite ± sericite altered. Flow banding and foliation @ 40° to CA. 473.15 473.50 Broken and ground core; chlorite fractures @ 15° to CA. 479.00 480.25 Broken and fractured core; chlorite ± calcite fractures @ 0 -10° to CA.										
481.90	484.15	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (SILICIFICATION) (DISSEMINATED PYRITE) Massive, greenish grey (bleached), sericite ± silica + pyrite altered, heterolithic debris flow. Clasts are <2 cm diameter average, subangular, matrix supported and consist mainly of sericite + pyrite altered volcanic, chert and sulphide. Sulphide clasts are <1 cm diameter, subrounded and mainly pyrite and lesser sphalerite. Matrix consists of sericite + silica + pyrite altered ash. Disseminated and clasts of pyrite (3-5%) and sphalerite (<1%). Lower contact sharp @ 35° to CA.	68347 68348	481.90 482.90	482.90 484.15	1.00 1.25						
484.15	485.32	AMPHIBOLE BEARING BASALT ASH TUFF; (CHLORITIZATION) (DISSEMINATED PYRITE) Foliated and layered, medium to dark green, chlorite altered, amphibole (<2mm, anhedral to subhedral) phyric, mafic ash tuff; rare wispy, dark black mafic lapilli (<1cm) towards bottom of interval. Foliation @ 40° to CA. Disseminated fine to medium grained pyrite (1%). Lower contact @ 20° to CA.	68349	484.15	485.32	1.17						
485.32	491.20	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (SILICIFICATION) (DISSEMINATED PYRITE) Foliated and layered, greenish grey (bleached), sericite + silica + pyrite altered, heterolithic debris flow similar to 481.90 - 484.15 metres, however increase chert and sulphide exhalite component in this interval. Clasts are <4cm diameter, subangular, aligned, matrix supported and consists mainly of sericite ± silica + pyrite altered volcanic and lesser chert and sulphides. Matrix consists of sericite + silica + sulphide (pyrite, sphalerite) altered ash tuff. Foliation and clast alignment are subparallel @ 50° to CA from 485.32 - 489.60 metres. From approximately 489.60 - 491.20 metres sulphide layering and clast alignment are 0-20° to CA with foliation @ 60 - 70° to CA. Sulphides occur as fine grained disseminations, clasts (<1cm) and irregular layers, and consist of pyrite (5%), light brown sphalerite (3-5%), galena (<1%) and chalcopyrite (<1%). Lower contact sharp @ 45° to CA. 485.60 485.80 Small shear @ 40° to CA; minor gouge (5mm). 486.70 486.76 Chlorite ± calcite fracture @ 10° to CA; slickensides @ 90° to CA (rake).	68350 68351 68352 68353 68354 68355	485.32 486.32 487.32 488.32 489.32 490.32	486.32 487.32 488.32 489.32 490.32 491.20	1.00 1.00 1.00 1.00 1.00 .88	 .14 .99 1.58 2.33 3.33	 21.60 40.12 45.61 92.93 81.61	 .23 .48 .60 .63 .71	 .25 .58 .75 1.01 1.27	 1.65 3.94 3.91 4.24 9.55	
491.20	495.35	ZINC FACIES; Foliated, thinly laminated (<1cm) to bedded (<2cm) sulphides (35%), greenish grey, sericite + pyrite altered ash tuff (45%), and white chert	68356 68357	491.20 492.20	492.20 493.20	1.00 1.00	1.13 2.64	43.89 87.78	.38 .84	.98 1.55	5.26 6.83	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		(20%); interval contains minor disrupted beds or debris flows. Laminations and foliation are parallel to subparallel @ 60° to CA, however in areas of fold closures laminations are @ a low angle to CA. Sulphides consist of heavy disseminated to laminated fine grained pyrite (20%), light brown sphalerite (10%), chalcopyrite (1-2%) and minor galena; chalcopyrite increases towards bottom of interval. Lower contact sharp @ 50° to CA.	68358	493.20	494.20	1.00	3.46	87.78	1.56	1.27	7.22	
			68359	494.20	495.35	1.15	5.04	118.99	2.82	2.15	10.81	
495.35	503.35	ALTERED FACIES; (SILICIFICATION) (DISSEMINATED PYRITE) Massive, light to dark grey, strong silica ± sericite altered, mafic (?) fragmental; faintly visible feldspar (<2mm) phenocrysts in some less altered intervals. Disseminated and stringer (<1cm) fine to medium grained pyrite (5%) throughout interval. Lower contact sharp @ 65° to CA.	68360	495.35	497.35	2.00	5.01	28.80	.24	.25	.83	
			68361	497.35	499.35	2.00						
			68362	499.35	501.35	2.00						
			68363	501.35	503.35	2.00						
503.35	517.09	BASALT FLOW; (CHLORITIZATION) (SILICIFICATION) (DISSEMINATED PYRITE) Massive, medium to dark green, chlorite ± silica altered, fine grained to aphanitic, mafic flow and flow breccia; minor feldspar (<2mm) phyric intervals. Rare quartz + chlorite veins (<1cm). Disseminated fine grained pyrite (<1%). Lower contact not observed--broken interval.										
517.09	518.30	BASALTIC INTRUSION; Massive, medium green, fine grained mafic dyke. Lower contact sharp @ 65° to CA.										
518.30	523.34	FELDSPAR PHYRIC BASALT FLOW; (SILICIFICATION) Banded, greyish green, strongly silicified, feldspar (<2mm) phyric mafic or possibly dacite flow and flow breccia. Flow banding @ 50° to CA. Lower contact gradational over 10cm.										
523.34	533.60	BASALT FLOW; (CHLORITIZATION) (SILICIFICATION) Massive, greyish green to blackish green, chlorite + silica altered, fine grained to aphanitic, mafic flow (?). Quartz + chlorite ± epidote ± pyrite ± chalcopyrite veins (<3cm, randomly orientated, 1/20cm).										
533.60	535.53	BASALT FLOW; (SERICITIZATION) (DISSEMINATED PYRITE) Massive, greenish grey, sericite ± epidote (pervasive) altered, fine grained mafic flow. Chlorite ± quartz fractures (<5mm, randomly orientated, 1/10cm) cut pervasive sericite alteration. Disseminated fine grained pyrite (<1%). Lower contact infilled by quartz vein (5cm) @ 20° to CA.										
535.53	540.75	BASALT FLOW; (SILICIFICATION) (SERICITIZATION) Massive, greenish grey and dark greenish brown, sericite ± chlorite + silica altered, fine grained, mafic flow (?) overprinted by biotite metamorphism. Quartz + chlorite ± magnetite ± pyrite ± chalcopyrite veins (<3cm, generally @ low angles to core). 539.15 540.15 Quartz + chlorite infilled sheared (@ 10° to CA) and										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		brecciated chlorite ± biotite altered mafic volcanic.										
540.75	553.90	BASALT FLOW; (SILICIFICATION) (CHLORITIZATION) Massive, dark green, chlorite altered, fine grained to aphanitic mafic flow (?); some feldspar (<2mm, anhedral to subhedral) phyric intervals. Quartz + chlorite ± epidote ± garnet veins (<6cm diameter, randomly orientated) with greenish grey silica ± epidote envelopes (<1cm) to pervasive zones (20cm). Weak foliation defined by chlorite planes @ 40° to CA. Lower contact gradational.										
553.90	571.55	BASALT ASH TUFF; (SILICIFICATION) (SERICITIZATION) Weakly foliated, greyish green, silica + sericite + pyrite (bleached) altered, mixed interval of mafic (?) ash and lapilli tuff. Lapilli are <4cm diameter, subangular, and matrix supported. Weak foliation (@ 30° - 50° to CA) parallel to lapilli alignment. Disseminated and wispy clots (stretched pyrite ± quartz amygdules ?) of fine grained pyrite (5%). Lower contact sharp @ 30° to CA. 561.10 561.20 Chlorite + sericite shear @ 20° to CA; minor gouge (4mm).	68364	553.90	555.90	2.00						
			68365	555.90	557.90	2.00						
			68366	557.90	559.90	2.00						
			68367	559.90	561.90	2.00						
			68368	561.90	563.90	2.00						
			68369	563.90	565.90	2.00						
			68370	565.90	567.90	2.00						
			68371	567.90	569.90	2.00						
			68372	569.90	571.55	1.65						
571.55	579.10	BASALT LAPILLI TUFF; (BIOTITIZATION) (DISSEMINATED PYRITE) Layered, dark green to black with faint brown tinge, biotite altered, fine grained to aphanitic, mafic lapilli tuff. Lapilli are <1 cm diameter, angular, interlocking in part and homolithic. Matrix is of similar composition and pyritic. Unit may be hyaloclastic in origin. Layering @ 40° to CA. Disseminated pyrite (10%) throughout interval.	68373	571.55	573.55	2.00						
			68374	573.55	575.55	2.00						
			68375	575.55	577.55	2.00						
			68376	577.55	579.10	1.55						
579.10	581.75	FAULT Quartz + chlorite filled brecciated and sheared, dark green, fine grained to aphanitic mafic volcanic; breccia clasts are <2cm diameter average, angular, and interlocking. From 581.35 - 581.75 metres strongly sheared @ 0 - 30° to CA, 1cm clay gouge.										
581.75	582.55	ZINC FACIES; Sheared and brecciated, dark green to brown, fine grained mafic volcanic with quartz + chlorite + sulphide infilling (remobilized). Sulphides consist of pyrite (10%), sphalerite (10%), galena (2%) and chalcopyrite (trace).	68377	581.75	582.75	1.00	1.23	48.00	.37	1.18	3.17	
582.55	590.40	BASALT FLOW; (SILICIFICATION) Massive, dark greenish grey, strongly silicified (pervasive), fine grained to aphanitic, mafic flow (?). Chlorite microfractures throughout interval (<1mm, randomly orientated). 584.00 585.10 FAULT Quartz ± chlorite ± sulphide infilled shear @ 15° to CA. Minor remobilized sulphides consist of pyrite, sphalerite, and galena. Minor clay gouge (5mm).										

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

Hole No: TCU93-56
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15544.29
(metres) E: 10597.84

Azimuth: 157.9
Dip: -61.2
Length (m): 590.40
Elevation: 113.52
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 13, 1993
Completed: Aug. 24, 1993
Recovery:

Date Logged: Aug. 14-24, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:14pm

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68347	481.90	482.90	1.00								120	13.3	1470	4414	10907	2.97	52	52	15	50
68348	482.90	484.15	1.25								59	3.1	430	769	3250	1.67	20	15	6	72
68349	484.15	485.32	1.17								4	.1	21	18	128	1.48	2	0	2	1126
68350	485.32	486.32	1.00	2.87							210	11.0	2662	858	7696	3.90	16	37	13	47
68351	486.32	487.32	1.00	2.91	.14	21.60	.23	.25	1.65		120	19.2	2178	2051	12582	3.85	20	64	30	50
68352	487.32	488.32	1.00	3.04	.99	40.12	.48	.58	3.94		660	36.3	4565	4734	32103	4.53	29	148	14	60
68353	488.32	489.32	1.00	3.06	1.58	45.61	.60	.75	3.91		1360	40.3	5763	6389	32343	4.29	19	140	30	57
68354	489.32	490.32	1.00	3.11	2.33	92.93	.63	1.01	4.24		4270	80.3	5809	8273	33913	5.43	222	155	280	52
68355	490.32	491.20	.88	3.37	3.33	81.61	.71	1.27	9.55		1530	52.9	6275	10515	72315	5.52	301	431	324	62
68356	491.20	492.20	1.00	3.21	1.13	43.89	.38	.98	5.26		1040	36.1	3266	7964	40433	7.23	266	194	258	77
68357	492.20	493.20	1.00	3.46	2.64	87.78	.84	1.55	6.83		2130	70.0	7778	13400	50921	11.55	610	277	529	65
68358	493.20	494.20	1.00	3.57	3.46	87.78	1.56	1.27	7.22		2580	69.0	14846	9814	49445	13.17	728	266	362	77
68359	494.20	495.35	1.15	3.92	5.04	118.99	2.82	2.15	10.81		2820	85.3	24567	17930	72624	16.10	753	485	226	73
68360	495.35	497.35	2.00	2.87	5.01	28.80	.24	.25	.83		4930	30.5	2806	2178	8065	4.17	166	35	76	57
68361	497.35	499.35	2.00	2.80							270	6.1	88	209	572	2.53	63	3	6	60
68362	499.35	501.35	2.00								50	10.4	106	190	763	4.29	101	3	9	34
68363	501.35	503.35	2.00								12	.9	35	39	131	4.05	83	0	6	32
68364	553.90	555.90	2.00								13	.6	23	37	105	2.10	68	0	3	122
68365	555.90	557.90	2.00								12	.4	20	28	176	2.46	28	1	2	126
68366	557.90	559.90	2.00								16	.6	25	30	172	2.40	45	1	2	112
68367	559.90	561.90	2.00								25	.5	23	29	83	2.99	46	0	3	87
68368	561.90	563.90	2.00								57	1.0	30	41	146	4.02	78	1	9	46
68369	563.90	565.90	2.00								88	1.2	20	36	242	1.91	43	1	9	117
68370	565.90	567.90	2.00								96	3.8	74	75	283	3.29	63	1	14	66
68371	567.90	569.90	2.00								110	7.7	74	96	492	4.54	91	2	26	52
68372	569.90	571.55	1.65								68	2.6	55	66	204	3.83	109	1	12	73
68373	571.55	573.55	2.00								16	1.0	16	27	144	4.80	87	1	5	44
68374	573.55	575.55	2.00								8	.4	13	8	108	4.66	51	0	2	100
68375	575.55	577.55	2.00								10	.6	24	14	119	8.30	154	0	3	39
68376	577.55	579.10	1.55								12	.6	20	14	563	3.58	92	2	7	125
68377	581.75	582.75	1.00		1.23	48.00	.37	1.18	3.17		1280	42.4	3354	9046	22340	4.96	84	107	408	93

Hole No: TCU93-56
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15544.29
(metres) E: 10597.84

Azimuth: 157.9
Dip: -61.2
Length (m): 590.40
Elevation: 113.52
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 13, 1993
Completed: Aug. 24, 1993
Recovery:

Date Logged: Aug. 14-24, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:13pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68347	481.90	482.90	1.00	3	3	4	85	5	4	25	2	2	.38	6	3	.23	.01	3	11
68348	482.90	484.15	1.25	2	4	3	130	5	2	47	2	2	.48	6	6	.29	.01	2	1
68349	484.15	485.32	1.17	1	2	4	401	5	4	84	2	3	.91	19	2	1.03	.03	2	1
68350	485.32	486.32	1.00	5	4	3	152	5	4	26	2	2	.82	4	6	.43	.01	3	1
68351	486.32	487.32	1.00	4	4	3	139	5	3	27	2	2	.84	2	6	.46	.01	3	17
68352	487.32	488.32	1.00	4	6	3	133	5	2	49	2	2	.48	2	8	.44	.01	3	1
68353	488.32	489.32	1.00	5	5	2	83	5	2	68	2	2	.29	3	7	.27	.01	3	1
68354	489.32	490.32	1.00	4	6	4	93	5	2	40	5	2	.33	3	4	.20	.01	2	1
68355	490.32	491.20	.88	7	5	2	90	5	2	43	2	2	.23	2	3	.15	.01	3	2
68356	491.20	492.20	1.00	5	7	2	48	5	2	33	2	2	.19	2	3	.17	.01	3	1
68357	492.20	493.20	1.00	9	9	2	52	5	2	23	4	2	.19	2	1	.13	.01	3	1
68358	493.20	494.20	1.00	10	8	1	53	5	2	20	8	2	.18	2	1	.25	.01	3	2
68359	494.20	495.35	1.15	9	11	1	57	5	2	19	13	2	.12	2	1	.10	.01	5	1
68360	495.35	497.35	2.00	4	7	7	55	5	2	57	2	7	.36	3	10	.08	.02	3	2
68361	497.35	499.35	2.00	2	7	7	71	5	2	54	2	3	.57	5	5	.15	.04	3	1
68362	499.35	501.35	2.00	3	7	3	57	5	2	38	2	4	.39	6	5	.10	.03	4	2
68363	501.35	503.35	2.00	4	9	7	80	5	2	33	2	2	.51	7	4	.13	.04	3	1
68364	553.90	555.90	2.00	16	6	4	443	5	2	35	2	2	1.35	5	4	.22	.03	4	1
68365	555.90	557.90	2.00	42	5	2	478	5	2	20	2	3	1.02	6	4	.27	.06	4	1
68366	557.90	559.90	2.00	5	6	2	388	5	2	23	2	2	1.13	12	6	.24	.04	3	1
68367	559.90	561.90	2.00	4	5	2	237	5	2	18	2	2	.85	6	4	.18	.04	4	1
68368	561.90	563.90	2.00	3	4	3	160	5	2	8	2	2	.39	6	2	.24	.02	5	1
68369	563.90	565.90	2.00	6	4	4	138	5	2	17	2	2	.26	7	3	.17	.01	4	1
68370	565.90	567.90	2.00	3	9	6	178	5	2	12	2	2	.37	5	4	.13	.01	4	1
68371	567.90	569.90	2.00	4	11	8	172	5	2	7	2	2	.35	5	3	.13	.01	4	1
68372	569.90	571.55	1.65	3	4	8	296	5	2	16	2	6	.81	7	4	.17	.04	5	1
68373	571.55	573.55	2.00	2	3	9	476	5	2	22	2	16	1.04	5	2	.38	.11	3	1
68374	573.55	575.55	2.00	2	3	10	877	5	2	22	2	25	1.26	6	1	.87	.22	3	1
68375	575.55	577.55	2.00	2	4	16	583	5	2	10	2	20	.60	6	1	.86	.22	2	1
68376	577.55	579.10	1.55	10	3	14	663	5	2	15	2	16	.73	9	1	.73	.15	3	1
68377	581.75	582.75	1.00	8	13	6	269	5	3	96	2	17	.58	2	7	.51	.07	4	2

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-56

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
1.22	5.18	3.96	3.87	97.73%	3.40	85.86%
5.18	8.23	3.05	3.05	100.00%	2.97	97.38%
8.23	11.28	3.05	3.05	100.00%	2.80	91.80%
11.28	14.32	3.04	3.04	100.00%	2.50	82.24%
14.32	17.37	3.05	3.05	100.00%	2.28	74.75%
17.37	20.12	2.75	2.45	89.09%	0.00	0.00%
20.12	21.64	1.52	1.52	100.00%	0.00	0.00%
21.64	23.47	1.83	1.83	100.00%	0.20	10.93%
23.47	24.38	0.91	0.91	100.00%	0.00	0.00%
24.38	25.76	1.38	1.38	100.00%	0.46	33.33%
25.76	26.52	0.76	0.76	100.00%	0.20	26.32%
26.52	28.96	2.44	2.44	100.00%	0.20	8.20%
28.96	30.63	1.67	1.67	100.00%	0.36	21.56%
30.63	32.61	1.98	1.98	100.00%	1.80	90.91%
32.61	35.20	2.59	2.59	100.00%	2.00	77.22%
35.20	38.10	2.90	2.90	100.00%	2.55	87.93%
38.10	38.71	0.61	0.61	100.00%	0.40	65.57%
38.71	41.77	3.06	3.06	100.00%	1.77	57.84%
41.77	43.43	1.66	1.66	100.00%	0.44	26.51%
43.43	46.63	3.20	3.20	100.00%	2.10	65.62%
46.63	47.85	1.22	1.22	100.00%	1.17	95.90%
47.85	50.90	3.05	3.05	100.00%	2.12	69.51%
50.90	53.95	3.05	3.05	100.00%	2.14	70.16%
53.95	55.47	1.52	1.52	100.00%	0.68	44.74%
55.47	56.39	0.92	0.92	100.00%	0.92	100.00%
56.39	57.00	0.61	0.30	49.18%	0.00	0.00%
57.00	59.74	2.74	0.61	22.26%	0.00	0.00%
59.74	62.79	3.05	3.05	100.00%	2.40	78.69%
62.79	65.84	3.05	3.05	100.00%	3.05	100.00%
65.84	68.88	3.04	3.04	100.00%	3.04	100.00%
68.88	71.93	3.05	3.05	100.00%	3.04	99.67%
71.93	75.13	3.20	3.20	100.00%	2.50	78.13%
75.13	78.35	3.22	3.20	99.38%	2.85	88.51%
78.35	81.38	3.03	3.03	100.00%	3.03	100.00%
81.38	84.43	3.05	3.05	100.00%	3.05	100.00%
84.43	87.48	3.05	3.05	100.00%	2.40	78.69%
87.48	90.52	3.04	3.04	100.00%	3.04	100.00%
90.52	91.44	0.92	0.92	100.00%	0.92	100.00%
91.44	93.57	2.13	2.05	96.24%	2.05	96.24%
93.57	96.62	3.05	3.05	100.00%	3.05	100.00%
96.62	98.45	1.83	1.83	100.00%	1.83	100.00%
98.45	99.67	1.22	1.22	100.00%	1.22	100.00%
99.67	102.72	3.05	3.05	100.00%	2.95	96.72%
102.72	105.77	3.05	3.05	100.00%	3.05	100.00%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-56

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
105.77	108.81	3.04	3.04	100.00%	3.04	100.00%
108.81	111.86	3.05	3.05	100.00%	3.05	100.00%
111.86	114.00	2.14	2.14	100.00%	2.14	100.00%
114.00	114.91	0.91	0.91	100.00%	0.91	100.00%
114.91	117.96	3.05	3.05	100.00%	2.15	70.49%
117.96	121.01	3.05	3.05	100.00%	2.90	95.08%
121.01	124.05	3.04	3.04	100.00%	2.95	97.04%
124.05	127.10	3.05	3.05	100.00%	2.60	85.25%
127.10	130.15	3.05	3.05	100.00%	3.00	98.36%
130.15	132.89	2.74	2.74	100.00%	1.45	52.92%
132.89	135.64	2.75	2.75	100.00%	1.25	45.45%
135.64	138.68	3.04	3.04	100.00%	2.95	97.04%
138.68	141.73	3.05	3.05	100.00%	3.05	100.00%
141.73	143.87	2.14	2.14	100.00%	2.14	100.00%
143.87	145.39	1.52	1.52	100.00%	1.52	100.00%
145.39	148.44	3.05	3.05	100.00%	2.01	65.90%
148.44	150.42	1.98	1.98	100.00%	0.22	11.11%
150.42	153.47	3.05	2.96	97.05%	2.18	71.48%
153.47	154.53	1.06	1.06	100.00%	1.06	100.00%
154.53	157.58	3.05	3.05	100.00%	1.85	60.66%
157.58	160.63	3.05	3.05	100.00%	1.43	46.89%
160.63	163.68	3.05	3.03	99.34%	2.99	98.03%
163.68	166.57	2.89	2.78	96.19%	2.30	79.58%
166.57	169.62	3.05	3.05	100.00%	2.35	77.05%
169.62	172.82	3.20	3.11	97.19%	2.34	73.13%
172.82	175.87	3.05	3.05	100.00%	3.05	100.00%
175.87	178.00	2.13	2.13	100.00%	2.13	100.00%
178.00	180.75	2.75	2.75	100.00%	2.75	100.00%
180.75	181.97	1.22	1.22	100.00%	1.22	100.00%
181.97	185.01	3.04	3.04	100.00%	3.04	100.00%
185.01	188.06	3.05	3.05	100.00%	3.05	100.00%
188.06	190.50	2.44	2.44	100.00%	2.14	87.70%
190.50	192.94	2.44	2.44	100.00%	1.70	69.67%
192.94	194.16	1.22	1.22	100.00%	0.30	24.59%
194.16	194.77	0.61	0.61	100.00%	0.00	0.00%
194.77	198.42	3.65	3.65	100.00%	0.80	21.92%
198.42	200.25	1.83	1.83	100.00%	0.76	41.53%
200.25	203.30	3.05	3.05	100.00%	2.85	93.44%
203.30	206.35	3.05	3.05	100.00%	2.65	86.89%
206.35	209.40	3.05	3.05	100.00%	2.44	80.00%
209.40	212.44	3.04	3.04	100.00%	2.65	87.17%
212.44	215.49	3.05	3.05	100.00%	3.05	100.00%
215.49	218.54	3.05	3.05	100.00%	2.75	90.16%
218.54	221.44	2.90	2.90	100.00%	2.90	100.00%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-56

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
221.44	224.48	3.04	3.04	100.00%	1.50	49.34%
224.48	227.53	3.05	3.05	100.00%	3.05	100.00%
227.53	230.58	3.05	3.05	100.00%	2.90	95.08%
230.58	233.78	3.20	3.20	100.00%	3.20	100.00%
233.78	236.83	3.05	3.05	100.00%	3.00	98.36%
236.83	239.88	3.05	3.05	100.00%	2.90	95.08%
239.88	242.93	3.05	3.05	100.00%	2.95	96.72%
242.93	245.97	3.04	3.04	100.00%	2.76	90.79%
245.97	249.02	3.05	3.05	100.00%	3.05	100.00%
249.02	252.09	3.07	3.07	100.00%	2.85	92.83%
252.09	255.12	3.03	3.03	100.00%	3.03	100.00%
255.12	258.16	3.04	3.04	100.00%	2.95	97.04%
258.16	261.21	3.05	3.05	100.00%	2.75	90.16%
261.21	262.13	0.92	0.92	100.00%	0.92	100.00%
262.13	264.26	2.13	2.13	100.00%	1.93	90.61%
264.26	267.31	3.05	3.05	100.00%	3.05	100.00%
267.31	270.36	3.05	3.05	100.00%	3.05	100.00%
270.36	272.49	2.13	2.13	100.00%	2.13	100.00%
272.49	274.62	2.13	2.13	100.00%	1.83	85.92%
274.62	276.00	1.38	1.38	100.00%	1.38	100.00%
276.00	278.74	2.74	2.74	100.00%	2.74	100.00%
278.74	279.35	0.61	0.61	100.00%	0.51	83.61%
279.35	282.40	3.05	3.05	100.00%	2.55	83.61%
282.40	284.38	1.98	1.98	100.00%	1.58	79.80%
284.38	287.43	3.05	3.05	100.00%	2.70	88.52%
287.43	288.65	1.22	1.22	100.00%	1.22	100.00%
288.65	291.69	3.04	3.04	100.00%	2.86	94.08%
291.69	294.74	3.05	3.05	100.00%	2.85	93.44%
294.74	297.79	3.05	3.05	100.00%	3.05	100.00%
297.79	300.84	3.05	3.05	100.00%	2.85	93.44%
300.84	302.97	2.13	2.13	100.00%	2.13	100.00%
302.97	306.02	3.05	3.05	100.00%	3.05	100.00%
306.02	309.07	3.05	3.05	100.00%	3.05	100.00%
309.07	309.98	0.91	0.91	100.00%	0.81	89.01%
309.98	313.03	3.05	3.05	100.00%	2.85	93.44%
313.03	316.08	3.05	3.05	100.00%	2.35	77.05%
316.08	319.13	3.05	3.05	100.00%	3.05	100.00%
319.13	322.17	3.04	3.04	100.00%	3.04	100.00%
322.17	325.22	3.05	3.05	100.00%	3.05	100.00%
325.22	328.27	3.05	3.05	100.00%	3.05	100.00%
328.27	331.32	3.05	3.05	100.00%	3.05	100.00%
331.32	334.36	3.04	3.04	100.00%	3.04	100.00%
334.36	337.41	3.05	3.05	100.00%	2.85	93.44%
337.41	340.46	3.05	3.05	100.00%	3.05	100.00%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-56

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
340.46	343.51	3.05	3.05	100.00%	3.05	100.00%
343.51	346.56	3.05	3.05	100.00%	2.95	96.72%
346.56	349.61	3.05	3.05	100.00%	2.85	93.44%
349.61	352.65	3.04	3.04	100.00%	3.04	100.00%
352.65	355.70	3.05	3.05	100.00%	2.10	68.85%
355.70	358.75	3.05	3.05	100.00%	3.05	100.00%
358.75	361.80	3.05	3.05	100.00%	3.05	100.00%
361.80	363.93	2.13	2.13	100.00%	2.00	93.90%
363.93	364.85	0.92	0.92	100.00%	0.92	100.00%
364.85	367.89	3.04	3.04	100.00%	3.04	100.00%
367.89	370.94	3.05	3.05	100.00%	3.05	100.00%
370.94	373.99	3.05	3.05	100.00%	3.05	100.00%
373.99	377.04	3.05	3.05	100.00%	2.95	96.72%
377.04	380.09	3.05	3.05	100.00%	3.05	100.00%
380.09	383.13	3.04	3.04	100.00%	3.04	100.00%
383.13	386.18	3.05	3.05	100.00%	2.80	91.80%
386.18	389.23	3.05	3.05	100.00%	3.05	100.00%
389.23	392.28	3.05	3.05	100.00%	3.00	98.36%
392.28	395.33	3.05	3.05	100.00%	2.95	96.72%
395.33	398.31	2.98	3.05	102.35%	2.95	98.99%
398.31	401.42	3.11	3.05	98.07%	3.05	98.07%
401.42	404.47	3.05	3.05	100.00%	3.05	100.00%
404.47	407.52	3.05	3.05	100.00%	3.05	100.00%
407.52	410.59	3.07	3.07	100.00%	3.05	99.35%
410.59	412.09	1.50	1.50	100.00%	1.10	73.33%
412.09	413.61	1.52	1.52	100.00%	1.40	92.11%
413.61	416.66	3.05	3.05	100.00%	3.00	98.36%
416.66	419.10	2.44	2.44	100.00%	1.30	53.28%
419.10	421.23	2.13	2.13	100.00%	0.95	44.60%
421.23	424.28	3.05	3.05	100.00%	2.63	86.23%
424.28	425.81	1.53	1.53	100.00%	1.43	93.46%
425.81	427.79	1.98	1.98	100.00%	1.25	63.13%
427.79	430.68	2.89	2.89	100.00%	2.09	72.32%
430.68	433.73	3.05	3.05	100.00%	2.30	75.41%
433.73	436.78	3.05	3.05	100.00%	2.90	95.08%
436.78	439.83	3.05	3.05	100.00%	1.95	63.93%
439.83	441.04	1.21	1.21	100.00%	0.61	50.41%
441.04	444.09	3.05	3.05	100.00%	2.30	75.41%
444.09	447.14	3.05	3.05	100.00%	2.65	86.89%
447.14	450.19	3.05	3.05	100.00%	3.05	100.00%
450.19	453.24	3.05	3.05	100.00%	2.35	77.05%
453.24	456.29	3.05	3.05	100.00%	3.05	100.00%
456.29	459.33	3.04	3.04	100.00%	2.70	88.82%
459.33	462.38	3.05	3.05	100.00%	2.75	90.16%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-56

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
462.38	465.43	3.05	3.05	100.00%	2.80	91.80%
465.43	468.48	3.05	3.05	100.00%	2.75	90.16%
468.48	471.53	3.05	3.05	100.00%	2.45	80.33%
471.53	473.35	1.82	1.82	100.00%	1.20	65.93%
473.35	476.10	2.75	2.65	96.36%	1.85	67.27%
476.10	478.84	2.74	2.74	100.00%	2.40	87.59%
478.84	481.89	3.05	3.05	100.00%	2.05	67.21%
481.89	484.94	3.05	3.05	100.00%	2.65	86.89%
484.94	486.76	1.82	1.82	100.00%	1.22	67.03%
486.76	489.81	3.05	3.05	100.00%	2.45	80.33%
489.81	492.86	3.05	3.05	100.00%	3.05	100.00%
492.86	495.91	3.05	3.05	100.00%	3.05	100.00%
495.91	498.96	3.05	3.05	100.00%	2.55	83.61%
498.96	502.00	3.04	3.04	100.00%	2.20	72.37%
502.00	505.05	3.05	3.05	100.00%	2.21	72.46%
505.05	508.10	3.05	3.05	100.00%	2.44	80.00%
508.10	511.15	3.05	3.05	100.00%	2.53	82.95%
511.15	514.05	2.90	2.90	100.00%	2.38	82.07%
514.05	517.09	3.04	2.96	97.37%	2.32	76.32%
517.09	520.29	3.20	3.20	100.00%	1.37	42.81%
520.29	523.34	3.05	3.05	100.00%	2.03	66.56%
523.34	526.39	3.05	3.05	100.00%	2.21	72.46%
526.39	529.44	3.05	3.02	99.02%	2.16	70.82%
529.44	532.49	3.05	3.05	100.00%	2.57	84.26%
532.49	535.53	3.04	2.99	98.36%	1.85	60.86%
535.53	538.58	3.05	3.05	100.00%	2.39	78.36%
538.58	541.63	3.05	3.05	100.00%	2.35	77.05%
541.63	544.68	3.05	3.05	100.00%	2.06	67.54%
544.68	547.73	3.05	3.05	100.00%	2.53	82.95%
547.73	550.77	3.04	3.04	100.00%	2.59	85.20%
550.77	553.82	3.05	3.05	100.00%	2.53	82.95%
553.82	556.26	2.44	2.44	100.00%	1.24	50.82%
556.26	559.46	3.20	3.16	98.75%	2.08	65.00%
559.46	562.51	3.05	2.98	97.70%	1.28	41.97%
562.51	565.71	3.20	3.16	98.75%	2.67	83.44%
565.71	568.76	3.05	3.05	100.00%	2.62	85.90%
568.76	569.98	1.22	1.17	95.90%	0.98	80.33%
569.98	572.11	2.13	2.13	100.00%	1.93	90.61%
572.11	575.16	3.05	3.03	99.34%	2.46	80.66%
575.16	578.21	3.05	2.97	97.38%	2.60	85.25%
578.21	581.25	3.04	3.03	99.67%	1.55	50.99%
581.25	584.30	3.05	3.05	100.00%	1.60	52.46%
584.30	587.35	3.05	3.05	100.00%	1.45	47.54%
587.35	590.40	3.05	3.03	99.34%	1.71	56.07%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-56

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
590.40	EOH			99.35%		82.96%

Hole No: TCU93-57
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.43
(metres) E: 10663.36

Azimuth: 186.1
Dip: -49.3
Length (m): 381.10
Elevation: 113.82
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 19, 1993
Completed: Aug. 24, 1993
Recovery:

Date Logged: Aug. 21 - 26, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:31pm

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	186.1	-49.3															
3.0	186.3	-49.3	67.1	187.2	-49.6	131.1	189.5	-48.9	195.1	191.5	-47.1	259.1	193.5	-44.9	323.1	194.3	-44.6
6.1	186.3	-49.3	70.1	187.4	-49.7	134.1	189.7	-48.8	198.1	191.6	-47.0	262.1	193.5	-44.9	326.1	194.4	-44.7
9.1	186.3	-49.3	73.2	187.4	-49.7	137.2	189.8	-48.7	201.2	191.9	-46.8	265.2	193.6	-44.8	329.2	194.4	-44.7
12.2	186.3	-49.4	76.2	187.5	-49.7	140.2	190.0	-48.6	204.2	192.0	-46.5	268.2	193.6	-44.8	332.2	194.4	-44.7
15.2	186.3	-49.3	79.3	187.5	-49.7	143.3	190.1	-48.5	207.3	192.2	-46.2	271.3	193.6	-44.8	335.3	194.4	-44.7
18.3	186.3	-49.2	82.3	187.5	-49.7	146.3	190.1	-48.4	210.3	192.3	-45.9	274.3	193.6	-44.8	338.3	194.6	-44.6
21.3	186.3	-49.2	85.3	187.7	-49.7	149.4	190.1	-48.4	213.4	192.5	-45.6	277.4	193.6	-44.8	341.4	194.7	-44.5
24.4	186.3	-49.2	88.4	187.8	-49.6	152.4	190.3	-48.2	216.4	192.6	-45.5	280.4	193.8	-44.7	344.4	194.7	-44.4
27.4	186.4	-49.3	91.4	187.8	-49.6	155.4	190.4	-48.1	219.5	192.8	-45.4	283.5	193.8	-44.7	347.5	194.9	-44.3
30.5	186.6	-49.3	94.5	188.0	-49.5	158.5	190.6	-48.0	222.5	192.9	-45.3	286.5	193.9	-44.6	350.5	195.0	-44.1
33.5	186.8	-49.3	97.5	188.3	-49.4	161.5	190.6	-48.0	225.6	193.0	-45.2	289.6	193.9	-44.6	353.6	195.1	-43.9
36.6	186.9	-49.4	100.6	188.3	-49.4	164.6	190.7	-47.9	228.6	193.2	-45.1	292.6	194.0	-44.5	356.6	195.1	-43.9
39.6	186.9	-49.4	103.6	188.3	-49.4	167.6	190.7	-47.9	231.6	193.2	-45.1	295.7	194.0	-44.5	359.7	195.1	-43.8
42.7	186.9	-49.4	106.7	188.3	-49.4	170.7	191.0	-47.7	234.7	193.3	-45.0	298.7	194.0	-44.5	362.7	195.3	-43.7
45.7	187.1	-49.5	109.7	188.3	-49.4	173.7	191.0	-47.7	237.7	193.3	-45.0	301.8	194.2	-44.5	365.8	195.4	-43.6
48.8	187.1	-49.6	112.8	188.4	-49.4	176.8	191.0	-47.7	240.8	193.3	-45.0	304.8	194.2	-44.5	368.8	195.4	-43.6
51.8	187.1	-49.6	115.8	188.6	-49.3	179.8	191.2	-47.5	243.8	193.3	-45.0	307.9	194.2	-44.5	371.9	195.6	-43.5
54.9	187.1	-49.6	118.9	188.8	-49.2	182.9	191.2	-47.5	246.9	193.3	-45.0	310.9	194.3	-44.6	374.9	195.6	-43.5
57.9	187.1	-49.6	121.9	189.2	-49.1	185.9	191.2	-47.5	249.9	193.3	-45.0	313.9	194.3	-44.6	378.0	195.7	-43.4
61.0	187.1	-49.6	125.0	189.4	-49.0	189.0	191.2	-47.5	253.0	193.3	-45.0	317.0	194.3	-44.6	381.0	195.8	-43.3
64.0	187.2	-49.6	128.0	189.4	-49.0	192.0	191.3	-47.4	256.0	193.5	-44.9	320.0	194.3	-44.6			

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.61	CASING										
.61	15.85	FELDSPAR PHYRIC DACITE FLOWS; (PROPYLITIC) Massive, greenish grey to maroon, propylitically altered, feldspar (<2mm, euhedral) + quartz (<1mm) phyric, fine grained to aphanitic dacite flow.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Vein types include (i) chlorite + epidote ± garnet veins (<5mm, randomly orientated) with white silica envelopes (<5mm), and (ii) white bull quartz veins (<3cm, 60-70° to CA, late). Minor disseminated fine grained pyrite. Core is broken with chlorite ± calcite ± prehnite/zeolite fractures. Lower contact sharp @ 30° to CA.										
15.85	16.15	BASALTIC INTRUSION; Massive, medium green, fine grained to aphanitic mafic dyke. Lower contact @ 35° to CA.										
16.15	51.83	FELDSPAR PHYRIC DACITE FLOWS; (PROPYLITIC) Similar to 0.61-14.90 metres. Weak foliation or flow banding @ 30 - 60° to CA. Core is strongly fractured and broken from 16.15 - 30.00 metres. Lower contact is sharp @ 65° to CA. 21.10 21.50 Broken and ground core; chlorite fractures. 22.35 22.70 Broken and ground core; chlorite fractured and altered (bleached) interval. 23.50 24.40 Chlorite + calcite altered shear @ 0 - 10° to CA.										
51.83	54.00	BASALTIC INTRUSION; Massive, medium green, fine grained to aphanitic, mafic dyke. Quartz ± chlorite veins (<3cm, 30 - 40° to CA, 1/20 cm). Lower contact broken core.										
54.00	56.30	FELDSPAR PHYRIC DACITE FLOWS; (PROPYLITIC) Similar to 16.15 - 51.83 metres. Lower contact sharp and irregular @ 55° to CA.										
56.30	57.11	BASALTIC INTRUSION; Similar to 51.83 - 54.00 metres. Lower contact sharp @ 45° to CA and infilled by 2 cm thick quartz vein.										
57.11	57.70	FELDSPAR PHYRIC DACITE FLOWS; (PROPYLITIC) Similar to 16.15 - 51.83 metres. Lower contact sharp @ 35° to CA.										
57.70	59.10	AMPHIBOLE PHYRIC BASALT INTRUSION; (PROPYLITIC) Massive, propylitically altered (chlorite ± epidote), amphibole (<2mm, sub-euhedral) phyric, fine grained mafic flow. Lower contact broken core.										
59.10	67.00	FELDSPAR PHYRIC DACITE FLOWS; (PROPYLITIC) Similar to 16.15 - 51.83 metres. Lower contact sharp @ 40° to CA.										
67.00	68.30	BASALTIC INTRUSION; (PROPYLITIC) Similar to 51.83 - 54.00 metres. White bull quartz veins (<2cm, randomly orientated). Lower contact sharp @ 40° to CA.										
68.30	69.57	FELDSPAR PHYRIC DACITE FLOWS; (PROPYLITIC) Similar to 16.15 - 51.83 metres. Lower contact sharp @ 35° to CA.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
69.57	112.37	BASALTIC INTRUSION; (PROPYLITIC) Similar to 51.83 - 54.00 metres. Quartz ± calcite ± magnetite ± chlorite ± epidote veins (<2cm, @ 60° to CA). Lower contact sharp and irregular. 94.80 95.20 Broken and fractured (chlorite ± calcite ± bluish white mineral--hydrozincite ?, 0 - 10° to CA) core. 99.90 100.50 Broken and fractured (chlorite ± calcite shears, low angle to CA) core.										
112.37	113.37	FELDSPAR PHYRIC DACITE FLOWS; (SILICIFICATION) Massive, greenish grey, chlorite ± epidote fractured (<5mm), strongly silicified, feldspar (<2mm) ± quartz (<1mm) phyric, fine grained to aphanitic dacite flow. Lower contact sharp @ 35° to CA.										
113.37	113.60	BASALTIC INTRUSION; (PROPYLITIC) Similar to 51.83 - 54.00 metres. Lower contact sharp @ 80° to CA.										
113.60	113.90	FELDSPAR PHYRIC DACITE FLOWS; (SILICIFICATION) Similar to 112.37 - 113.37 metres. Lower contact sharp @ 55° to CA.										
113.90	114.20	BASALTIC INTRUSION; (PROPYLITIC) Similar to 51.83 - 54.00 metres. Lower contact sharp @ 50° to CA.										
114.20	115.85	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, maroon (hematitic), propylitically altered, feldspar (<2mm, euhedral) ± quartz (<1mm) phyric, fine grained to aphanitic dacite flow. Chlorite ± epidote ± garnet fractures (<5mm, randomly orientated, 1/3cm) with white silica envelopes (<5mm). Lower contact sharp @ 30° to CA.										
115.85	116.30	BASALTIC INTRUSION; (PROPYLITIC) Similar to 51.83 - 54.00 metres. Lower contact broken core.										
116.30	116.65	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Similar to 114.2 - 115.85 metres. Lower contact sharp and irregular.										
116.65	118.67	BASALTIC INTRUSION; (PROPYLITIC) Similar to 51.83 - 54.00 metres. Lower contact irregular @ 20° to CA.										
118.67	119.30	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Similar to 114.20 - 115.85 metres. Lower contact irregular @ low angle to core.										
119.30	120.09	BASALTIC INTRUSION; (PROPYLITIC) Similar to 51.83 - 54.00 metres. Lower contact irregular @ low angle to core.										
120.09	131.80	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Similar to 114.20 - 115.85 metres. Lower contact irregular @ high angle to core.										
131.80	136.22	BASALTIC INTRUSION; Massive, dark greenish black, fine grained to aphanitic mafic dyke. Lower contact sharp @ 40° to CA.										
136.22	155.20	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Similar to 114.20 - 115.85 metres. Lower contact gradational over 0.5 metres.										
155.20	192.10	FELDSPAR PHYRIC DACITE FLOW BRECCIA; (CHLORITIZATION) (HEMATITE) Massive, greenish grey and dark green with some maroon sections, chlorite + sericite ± hematite altered, feldspar (<2mm, euhedral) and quartz (<1mm) phyric, fine grained to aphanitic dacite flow breccia. Breccia clasts are greenish grey, generally <10 cm diameter, subrounded, matrix supported, and sericite + silica altered; matrix is dark green, chlorite ± hematite altered felsic volcanic. Chlorite ± epidote fractures (<5mm, 1/3 metres, randomly orientated) with grey silica envelopes to pervasive zones where fracture density is high. Rare mafic dykelets (<20cm) throughout interval.										
192.10	214.90	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, maroon (top of interval) to greyish green (bottom of interval), feldspar (<3mm, sub-euhedral) ± quartz (<1mm) phyric dacite flow and minor flow breccia; bottom metre of interval is flow banded @ 50° to CA. Chlorite ± epidote fractures (<5mm) with white silica ± albite (?) envelopes (<1cm) to pervasive zones (30cm) where fracture density is higher. Lower contact sharp @ 50° to CA.										
214.90	241.52	DACITE FLOW BRECCIA; (CHLORITIZATION) (CORDIERITE) Massive, light and dark greyish green, chlorite ± sericite altered, fine grained to aphanitic dacite flow breccia. Breccia clasts are <5cm average, angular, aphanitic, interlocking in part. From 236.00 - 241.52 metres, unit is overprinted by cordierite porphyroblasts (<1cm diameter, euhedral). Lower contact sharp @ 50° to CA.										
241.52	243.05	ALTERED FACIES; (SILICIFICATION) (DISSEMINATED PYRITE) Layered, white to grey, chert debris flow (disrupted chert beds or silicified volcanic ?). Chert clasts are <2cm long, angular, interlocking in part, and clast supported. Matrix is very fine grained, disseminated pyrite (10%) and sericite altered ash tuff (?). Trace fine grained tan sphalerite. Layering @ 35 - 45° to CA.	68378	241.52	243.05	1.53					
243.05	244.65	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Faintly layered, olive green to grey, pyrite + sericite altered ash and lapilli tuff of uncertain composition. Lapilli are <1cm long average,	68379	243.05	244.65	1.60					

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		wispy to cuspate (glass shards ?); rare chert clasts. Pyrite (5%) occurs as fine grained disseminations and stringers; minor tan coloured sphalerite. Layering @ 40° to CA.										
244.65	244.85	ALTERED EXHALITE - SULPHIDE BEARING; (DISSEMINATED SPHALERITE) (DISSEMINATED CHALCOPYRITE) Massive, greyish white, fragmental unit (debris flow) consisting of clasts of sulphide, sericite altered volcanic and chert or silicified volcanic. Matrix is primarily sericite + pyrite ± silica altered ash tuff. Sulphides (10 - 15%) are primarily pyrite with lesser sphalerite and chalcopyrite. Lower contact sharp @ 25° to CA. Disseminated unknown black mineral (<1mm)--biotite (?).	68380	244.65	244.85	.20	.79	28.80	.42	.39	2.99	
244.85	245.60	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Similar to 243.05 - 244.65 metres. Lower contact calcite fracture @ 25° to CA.	68381	244.85	245.60	.75						
245.60	247.75	ALTERED EXHALITE - SULPHIDE BEARING; (DISSEMINATED SPHALERITE) (DISSEMINATED CHALCOPYRITE) Weakly layered, light to dark grey, sericite + pyrite ± silica altered tuffaceous debris flow. Clasts are <1 to 5cm diameter, subangular, and both clast and matrix supported; clast types include sulphide, barite, chert and altered volcanic rock. Matrix is primarily sericite + pyrite + silica altered volcanic ash and sediments. Sulphides occurs as disseminations, stringers and clasts and consist of pyrite (5%), sphalerite (3-5%), galena (<1%) and chalcopyrite (<1%). Layering @ 35° to CA. Lower contact sharp @ 60° to CA; rip-up clasts from underlying chert unit. Disseminated black unknown mineral (<2mm) throughout interval--biotite (?).	68382	245.60	246.60	1.00						
			68383	246.60	247.75	1.15	.79	101.20	.68	1.10	5.20	
247.75	248.56	ALTERED FACIES; (SILICIFICATION) (DISSEMINATED PYRITE) Similar to 241.52 - 243.05 metres. Lower contact sharp @ 25° to CA. Rare sulphide clasts (<1mm) consisting of pyrite and sphalerite.	68384	247.75	248.56	.81						
248.56	255.40	ALTERED EXHALITE - SULPHIDE BEARING; Similar to 245.60 - 247.75 metres. Lower contact irregular @ 90° to CA.	68385	248.56	250.56	2.00	.38	33.30	.14	.30	1.06	
			68386	250.56	252.56	2.00						
			68387	252.56	254.56	2.00	.24	21.90	.18	.30	1.42	
			68388	254.56	255.40	.84						
255.40	258.45	PYRITE FACIES; (MASSIVE PYRITE) Massive, heavy disseminated, medium to coarse grained, subhedral to euhedral pyrite (60 - 70%) with a matrix consisting of sericite + chlorite altered ash tuff and chert. Lower contact sharp @ 80° to CA.	68389	255.40	256.40	1.00						
			68390	256.40	257.40	1.00						
			68391	257.40	258.40	1.00						
258.45	259.37	ALTERED FACIES; (SERICITIZATION) (SILICIFICATION) Foliated and banded, light green to grey, sericite altered ash tuff with	68392	258.45	259.37	.92						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		rare chert laminae or silicified intervals. Foliation and banding @ 65° to CA. From 258.45 - 258.65 metres laminated to thin bedded pyritic chert and sandstone to conglomerate bed (?). Lower contact sharp @ 65° to CA.										
259.37	259.60	PYRITE FACIES; Similar to 255.40 - 258.45 metres. Lower contact sharp @ 75° to CA.	68393	259.37	259.60	.23						
259.60	267.63	ALTERED FACIES; (SILICIFICATION) (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE) Mixed interval of weakly layered to brecciated, white to grey chert or silicified volcanic (60%) and olive grey, sericite ± chlorite altered ash tuff and volcanic sediment (40%). Disseminated fine grained sulphides consist of pyrite (2-3%), sphalerite (<1%) and minor chalcopyrite. Layering is disrupted (soft sediment deformation) and varies from 30 - 60° to CA. Lower contact gradational over 1.0 metre.	68394 68395 68396 68397	259.60 261.60 263.60 265.60	261.60 263.60 265.60 267.63	2.00 2.00 2.00 2.03						
267.63	272.85	ALTERED FACIES; (CHLORITIZATION) (CORDIERITE) (BIOTITIZATION) Mixed interval of layered and foliated, white to grey chert or silica altered volcanic (50%, <1cm thick) and olive green, chlorite ± sericite altered ash tuff and volcanic sediment; unit is similar to 259.60 - 267.63 metres, however tuffaceous component is slightly higher and is overprinted by metamorphic biotite + cordierite. Cordierite porphyroblasts are light brown, <1cm diameter, sub - euhedral, and mainly confined to the chlorite altered tuffaceous layers. Disseminated fine grained pyrite (<1%). Lower contact sharp @ 65° to CA.	68398 68399 68400	267.63 269.63 271.63	269.63 271.63 272.85	2.00 2.00 1.22						
272.85	273.41	BASALTIC INTRUSION; (BIOTITIZATION) Massive, dark green to brown, fine grained mafic dyke; unit is overprinted by metamorphic biotite. Quartz ± chlorite veins (<1cm, @ 15° to CA). Disseminated fine grained to medium grained euhedral pyrite (1%). Lower contact sharp and chilled (3cm) @ 75° to CA.										
273.41	274.15	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Layered, grey to olive green, sericite + pyrite altered ash tuff and lapilli tuff. Lapilli are mainly altered volcanic with rare chert or silica altered volcanic. Layering or foliation @ 55° to CA. Disseminated and stringer (parallel to foliation) very fine grained pyrite (3-5%). Lower contact sharp @ 50° to CA.	68501	273.41	274.15	.74						
274.15	274.70	ZINC FACIES; (BARITE) (MASSIVE SPHALERITE) Massive, light brown, coarse grained sphalerite (30%) and white coarse grained barite (70%)--recrystallized. Minor fine grained galena. Lower contact sharp @ 70° to CA.	68502	274.15	274.70	.55	.17	39.78	.62	.50	30.16	
274.70	282.00	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Layered, grey to dark olive green, sericite + pyrite altered ash tuff and tuffaceous sediment; silica alteration or chert component increasing	68503 68504	274.70 276.70	276.70 278.70	2.00 2.00	.21	53.15	.25	1.00	1.88	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		towards bottom of interval. Layering and foliation @ 60° to CA. Disseminated and stringer, very fine grained pyrite (5%), light brown sphalerite (<1%), and trace galena. Lower contact gradational.	68505	278.70	280.70	2.00						
			68506	280.70	282.00	1.30						
282.00	293.35	ALTERED FACIES; (BIOTITIZATION) (CORDIERITE) Mixed layered interval of sericite + chlorite + silica altered mafic (?) tuff (80%) and chert or silicified volcanic (20%). Grey to brownish green, sericite ± silica altered ash tuff containing dark green chlorite altered mafic lapilli (<1cm average, angular, cuspate, matrix supported) and minor chert lapilli. Chert occurs as clasts (<3cm) and wispy layers (<4cm). Layering @ 50° to CA. Unit is overprinted by weak metamorphic biotite + cordierite. Lower contact gradational over 1.0 metre.	68507	282.00	284.00	2.00						
			68508	284.00	286.00	2.00						
			68509	286.00	288.00	2.00						
			68510	288.00	290.00	2.00						
			68511	290.00	292.00	2.00						
			68512	292.00	293.35	1.35						
293.35	309.50	GYPSUM FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Foliated, layered interval of white to pinkish brown gypsum/anhydrite (40%), white chert (30%), and dark olive to greyish green sericite + pyrite altered volcanic sediments. Foliation and layering @ 40 - 50° to CA except in fold closures where layering is @ low angles to CA and foliation is @ high angles to CA. Pyrite (5-7%) occurs as thin layers and fine grained disseminations in altered tuff intervals. Lower contact gradational over one metre.	68513	293.35	295.35	2.00						
			68514	295.35	297.35	2.00						
			68515	297.35	299.35	2.00						
			68516	299.35	301.35	2.00						
			68517	301.35	303.35	2.00						
			68518	303.35	305.35	2.00						
			68519	305.35	307.35	2.00						
			68520	307.35	309.35	2.00						
309.50	329.50	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Foliated, layered interval of dark olive grey, sericite + pyrite altered tuff and volcanic sediment (pyritic mud, 65%), heavy disseminated pyrite (25%), minor brown sphalerite, and white to grey chert/silica (10%). Ash tuff sections contain dark wispy glass shards (?) that are <1cm long and aligned. Pyrite ± sphalerite ± silica veins are parallel to and cross cutting foliation. Foliation and layering @ low to moderate angles to CA. Sulphides total approximately 10%; pyrite (9%), sphalerite (1%). Lower contact sharp @ 30° to CA. 311.00 312.12 FAULT Sheared and broken core @ 10° to CA; 2cm clay gouge.	68521	309.50	311.50	2.00						
			68522	311.50	313.50	2.00						
			68523	313.50	315.50	2.00						
			68524	315.50	317.50	2.00						
			68525	317.50	319.50	2.00						
			68526	319.50	321.50	2.00						
			68527	321.50	323.50	2.00						
			68528	323.50	325.50	2.00						
			68529	325.50	327.50	2.00						
			68530	327.50	329.50	2.00						
329.50	353.50	SLOKO RHYOLITE DYKE; Flow banded, pinkish grey, biotite phyric, fine grained to aphanitic rhyolite dyke. Flow banding @ 30° to CA. Lower contact sharp @ 30° to CA.										
353.50	381.00	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SERICITIZATION) (CHLORITIZATION) (DISSEMINATED PYRITE) Strongly foliated, dark grey, sericite ± chlorite ± pyrite altered amygdaloidal (<1cm, round, quartz ± pyrite, sphalerite, galena) mafic flow. Foliation @ low angles to CA. Pyrite (5-7%) occurs as very fine grained disseminations and veinlets parallel to foliation; minor sphalerite (1%) and chalcopyrite (<1%). Interval locally overprinted by metamorphic biotite.	68531	353.50	356.50	3.00						
			68532	356.50	359.50	3.00						
			68533	359.50	362.50	3.00						
			68534	362.50	365.50	3.00						
			68535	365.50	368.50	3.00						
			68536	368.50	371.50	3.00						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
	376.70	376.90 FAULT Sheared and broken core @ 10° to CA; 5mm clay gouge.	68537	371.50	374.50	3.00						
			68538	374.50	377.50	3.00						
			68539	377.50	380.50	3.00						
			68540	380.50	381.00	.50						
381.00	381.01	EOH										

Hole No: TCU93-57
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.43
(metres) E: 10663.36

Azimuth: 186.1
Dip: -49.3
Length (m): 381.10
Elevation: 113.82
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 19, 1993
Completed: Aug. 24, 1993
Recovery:

Date Logged: Aug. 21 - 26, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:30pm

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68378	241.52	243.05	1.53	2.74							53	1.8	61	165	1759	2.76	42	5	5	95
68379	243.05	244.65	1.60	2.83							150	4.9	282	262	3782	4.52	138	13	6	75
68380	244.65	244.85	.20	2.88	.79	28.80	.42	.39	2.99		910	30.5	3923	3182	24757	5.70	185	121	38	54
68381	244.85	245.60	.75	2.77							100	1.6	55	181	945	1.67	34	4	4	176
68382	245.60	246.60	1.00	2.75							290	19.7	1212	1820	8882	2.25	262	44	85	77
68383	246.60	247.75	1.15	3.04	.79	101.20	.68	1.10	5.20		750	79.5	5661	8454	41087	3.27	1335	194	480	88
68384	247.75	248.56	.81	2.77							290	14.1	557	1570	5214	1.95	203	21	75	95
68385	248.56	250.56	2.00	2.89	.38	33.30	.14	.30	1.06		290	29.4	1194	2332	8489	4.99	457	38	151	81
68386	250.56	252.56	2.00								490	23.8	902	2232	4860	5.08	373	19	102	135
68387	252.56	254.56	2.00		.24	21.90	.18	.30	1.42		300	20.9	1671	2471	11614	3.43	680	53	162	92
68388	254.56	255.40	.84								130	16.9	2415	1427	8226	6.05	926	37	214	77
68389	255.40	256.40	1.00								300	4.3	402	85	509	16.50	55	1	4	81
68390	256.40	257.40	1.00								200	2.9	230	20	594	16.51	26	1	2	55
68391	257.40	258.40	1.00								230	3.6	123	68	238	15.93	37	0	3	45
68392	258.45	259.37	.92								250	2.3	87	23	114	3.15	76	0	7	111
68393	259.37	259.60	.23								42	.5	90	15	44	15.46	36	0	2	54
68394	259.60	261.60	2.00								20	.4	42	16	49	4.43	20	0	2	83
68395	261.60	263.60	2.00								22	.7	164	13	30	3.64	24	0	2	101
68396	263.60	265.60	2.00								57	1.7	32	43	49	2.74	44	0	3	116
68397	265.60	267.63	2.03								220	3.7	27	72	77	2.07	55	0	3	188
68398	267.63	269.63	2.00								15	.3	13	4	25	2.09	17	0	2	181
68399	269.63	271.63	2.00								11	.3	9	2	24	1.40	8	0	2	390
68400	271.63	272.85	1.22								18	.1	15	3	46	2.12	15	0	2	168
68501	273.41	274.15	.74								67	4.3	435	1312	2472	3.20	211	9	85	71
68502	274.15	274.70	.55		.17	39.78	.62	.50	30.16		110	14.7	2466	3894	99999	1.05	1106	974	518	169
68503	274.70	276.70	2.00		.21	53.15	.25	1.00	1.88		290	43.2	1995	8784	14342	4.01	821	54	359	51
68504	276.70	278.70	2.00								290	11.6	298	3592	5923	4.58	167	15	46	47
68505	278.70	280.70	2.00								260	10.1	43	894	2450	3.52	85	5	6	70
68506	280.70	282.00	1.30								55	1.5	18	37	154	3.32	65	0	2	83
68507	282.00	284.00	2.00								25	.9	24	16	84	2.57	31	0	2	91
68508	284.00	286.00	2.00								9	.2	11	8	67	2.16	22	0	2	236
68509	286.00	288.00	2.00								12	.1	12	15	60	1.73	24	0	2	275

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68510	288.00	290.00	2.00								18	.2	11	11	52	2.11	20	0	2	214
68511	290.00	292.00	2.00								19	.5	23	36	114	2.77	17	0	2	82
68512	292.00	293.35	1.35								24	1.5	132	23	1017	2.30	38	4	4	142
68513	293.35	295.35	2.00								36	2.1	118	516	1381	3.14	42	5	8	69
68514	295.35	297.35	2.00								25	.7	41	75	184	3.99	31	1	3	67
68515	297.35	299.35	2.00								17	.2	21	29	27	2.66	32	0	2	105
68516	299.35	301.35	2.00								9	.4	22	25	35	2.17	17	0	2	139
68517	301.35	303.35	2.00								15	.4	35	29	79	1.69	22	0	3	166
68518	303.35	305.35	2.00								9	.3	11	12	33	1.47	18	0	2	191
68519	305.35	307.35	2.00								15	.2	15	12	19	2.46	19	0	3	136
68520	307.35	309.35	2.00								49	1.6	247	33	424	3.73	145	2	13	81
68521	309.50	311.50	2.00								330	5.5	390	1522	8670	16.38	296	29	43	15
68522	311.50	313.50	2.00								98	3.5	246	1538	6631	15.34	200	21	21	9
68523	313.50	315.50	2.00								83	5.1	171	4332	7972	10.78	188	27	20	9
68524	315.50	317.50	2.00								290	23.0	663	617	7627	14.21	299	26	45	5
68525	317.50	319.50	2.00								97	6.7	127	234	1355	7.38	124	4	10	10
68526	319.50	321.50	2.00								97	6.5	157	147	273	7.87	161	1	10	10
68527	321.50	323.50	2.00								120	10.9	344	232	1555	11.20	289	5	20	8
68528	323.50	325.50	2.00								140	13.9	266	210	441	12.05	235	1	16	7
68529	325.50	327.50	2.00								98	7.3	251	75	123	9.76	266	0	14	10
68530	327.50	329.50	2.00								98	7.3	171	101	39	10.71	151	0	9	12
68531	353.50	356.50	3.00								22	.8	139	18	3427	6.45	81	11	2	30
68532	356.50	359.50	3.00								21	.7	138	19	2460	5.95	82	9	2	38
68533	359.50	362.50	3.00								20	.7	73	14	3331	5.24	76	11	2	47
68534	362.50	365.50	3.00								38	2.0	249	24	351	7.58	103	1	5	21
68535	365.50	368.50	3.00								68	1.0	172	32	1378	9.98	96	5	4	16
68536	368.50	371.50	3.00								120	1.7	243	38	76	10.54	177	0	4	16
68537	371.50	374.50	3.00								51	.8	245	41	119	9.42	205	0	3	24
68538	374.50	377.50	3.00								32	.4	194	21	30	6.90	103	0	3	20
68539	377.50	380.50	3.00								67	2.1	348	36	26	8.16	148	0	8	17
68540	380.50	381.00	.50								110	1.7	190	51	26	7.04	122	0	5	18

Hole No: TCU93-57
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.43
(metres) E: 10663.36

Azimuth: 186.1
Dip: -49.3
Length (m): 381.10
Elevation: 113.82
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Drilling Ltd.
Started: Aug. 19, 1993
Completed: Aug. 24, 1993
Recovery:

Date Logged: Aug. 21 - 26, 1993
Logged By: G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:29pm

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68378	241.52	243.05	1.53	9	10	5	90	14	4	17	2	2	.16	3	4	.56	.01	3	1
68379	243.05	244.65	1.60	6	7	4	47	5	4	16	2	2	.18	3	3	.19	.01	3	4
68380	244.65	244.85	.20	10	9	3	55	5	3	10	3	2	.14	5	3	.21	.01	4	3
68381	244.85	245.60	.75	2	4	5	32	5	3	13	2	2	.11	7	1	.17	.01	3	1
68382	245.60	246.60	1.00	3	4	3	27	5	2	36	2	2	.49	4	9	.12	.01	3	25
68383	246.60	247.75	1.15	5	3	2	34	5	4	100	3	2	.55	3	17	.08	.01	3	3
68384	247.75	248.56	.81	3	2	2	22	5	3	27	2	2	.19	4	3	.07	.01	3	10
68385	248.56	250.56	2.00	4	4	3	26	5	3	39	2	2	.30	3	8	.12	.01	4	25
68386	250.56	252.56	2.00	5	4	4	34	5	3	45	2	2	.23	3	4	.28	.01	4	8
68387	252.56	254.56	2.00	6	4	3	33	5	3	27	2	2	.18	4	1	.08	.01	4	4
68388	254.56	255.40	.84	5	5	3	38	5	2	15	4	2	.18	2	10	.15	.01	5	25
68389	255.40	256.40	1.00	8	10	1	33	9	2	19	2	2	.40	2	5	.11	.01	2	13
68390	256.40	257.40	1.00	2	10	1	37	5	2	10	2	4	.39	2	6	.08	.01	2	1
68391	257.40	258.40	1.00	7	12	1	28	5	2	7	3	3	.18	2	6	.19	.01	2	1
68392	258.45	259.37	.92	5	7	4	47	5	2	39	2	2	.15	3	2	.41	.01	4	1
68393	259.37	259.60	.23	9	8	2	43	5	2	7	2	2	.13	2	4	.45	.01	2	1
68394	259.60	261.60	2.00	8	5	2	45	5	2	10	2	2	.23	3	20	.21	.01	4	1
68395	261.60	263.60	2.00	5	3	2	73	5	2	12	2	2	.26	4	5	.71	.01	4	1
68396	263.60	265.60	2.00	6	5	3	85	5	2	14	2	2	.20	4	21	.87	.01	3	1
68397	265.60	267.63	2.03	5	4	3	64	5	3	12	2	2	.13	5	4	.99	.01	4	1
68398	267.63	269.63	2.00	5	5	5	131	5	3	15	2	5	.25	5	17	2.67	.02	3	1
68399	269.63	271.63	2.00	2	4	6	188	5	4	13	2	8	.20	6	4	3.89	.03	3	1
68400	271.63	272.85	1.22	4	12	7	183	5	2	21	2	10	.27	5	29	2.94	.03	3	1
68501	273.41	274.15	.74	3	3	4	92	5	4	26	2	2	.16	2	3	.13	.01	3	4
68502	274.15	274.70	.55	1	2	1	112	5	2	87	2	7	.52	2	1	.02	.01	2	4
68503	274.70	276.70	2.00	3	1	5	94	5	8	38	2	2	.29	4	1	.09	.01	3	2
68504	276.70	278.70	2.00	3	2	5	42	5	6	19	2	2	.12	5	2	.07	.01	3	19
68505	278.70	280.70	2.00	5	2	4	63	5	2	55	2	2	.54	5	10	.24	.01	4	5
68506	280.70	282.00	1.30	4	3	4	283	5	2	27	2	3	.28	4	4	1.49	.01	3	1
68507	282.00	284.00	2.00	3	3	4	269	5	2	11	2	6	.16	6	3	1.47	.01	3	1
68508	284.00	286.00	2.00	3	3	4	336	5	2	10	2	4	.18	6	13	1.43	.02	3	1
68509	286.00	288.00	2.00	3	5	3	503	5	2	30	2	3	1.24	5	5	.82	.03	3	1

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68510	288.00	290.00	2.00	3	3	3	461	5	3	25	2	3	.80	4	3	1.08	.02	3	1
68511	290.00	292.00	2.00	3	4	4	341	5	2	13	2	3	.23	4	13	2.15	.03	3	1
68512	292.00	293.35	1.35	3	4	4	319	5	2	21	2	4	.31	5	5	2.16	.02	4	1
68513	293.35	295.35	2.00	3	7	6	134	5	2	15	2	5	.18	3	5	.73	.01	4	1
68514	295.35	297.35	2.00	6	8	4	161	5	2	10	2	3	.11	3	15	.60	.01	3	1
68515	297.35	299.35	2.00	8	9	4	130	5	2	10	2	3	.13	5	3	.56	.01	4	1
68516	299.35	301.35	2.00	4	6	3	184	5	4	9	2	3	.10	6	4	1.14	.01	3	1
68517	301.35	303.35	2.00	3	11	5	295	5	3	9	2	4	.10	8	11	1.56	.01	3	1
68518	303.35	305.35	2.00	3	7	3	269	5	3	12	2	3	.17	7	6	1.17	.01	3	1
68519	305.35	307.35	2.00	3	15	3	275	5	3	10	2	2	.15	6	3	.72	.01	4	1
68520	307.35	309.35	2.00	3	16	12	340	5	3	13	2	8	.31	5	17	.70	.01	3	2
68521	309.50	311.50	2.00	5	43	27	109	14	2	4	2	7	.23	2	4	.04	.01	3	1
68522	311.50	313.50	2.00	1	12	30	90	5	2	2	2	8	.06	2	5	.03	.01	2	1
68523	313.50	315.50	2.00	1	11	22	92	5	2	2	2	7	.07	2	12	.02	.01	3	1
68524	315.50	317.50	2.00	2	14	23	116	5	2	2	2	8	.03	2	7	.02	.01	2	1
68525	317.50	319.50	2.00	2	14	34	115	5	2	2	2	11	.03	2	6	.02	.01	2	1
68526	319.50	321.50	2.00	1	16	35	111	5	2	2	2	11	.03	2	11	.02	.01	2	1
68527	321.50	323.50	2.00	2	19	38	99	5	2	1	2	11	.02	2	5	.02	.01	2	1
68528	323.50	325.50	2.00	4	20	32	106	5	2	3	2	10	.04	2	5	.03	.01	4	1
68529	325.50	327.50	2.00	3	14	32	106	5	2	3	2	12	.09	2	10	.03	.01	3	1
68530	327.50	329.50	2.00	3	22	31	126	5	2	5	2	11	.13	2	7	.03	.01	2	1
68531	353.50	356.50	3.00	1	182	40	859	5	2	24	2	45	.79	2	193	2.35	.06	2	1
68532	356.50	359.50	3.00	1	60	26	402	5	2	22	2	30	.60	2	60	1.12	.03	2	1
68533	359.50	362.50	3.00	1	10	23	931	5	2	16	2	43	.54	2	10	1.82	.05	2	1
68534	362.50	365.50	3.00	1	21	46	110	5	2	6	2	14	.35	2	4	.15	.01	2	1
68535	365.50	368.50	3.00	1	20	42	94	5	2	5	2	11	.25	2	10	.09	.01	2	1
68536	368.50	371.50	3.00	1	14	28	99	5	2	4	2	11	.20	2	5	.08	.01	2	1
68537	371.50	374.50	3.00	1	13	29	193	5	2	10	2	15	.43	2	6	.25	.01	2	1
68538	374.50	377.50	3.00	1	12	19	99	5	2	8	2	11	.24	2	11	.09	.01	2	1
68539	377.50	380.50	3.00	1	22	37	64	5	2	5	2	11	.23	2	6	.06	.01	2	1
68540	380.50	381.00	.50	1	17	33	53	5	2	4	2	11	.21	2	5	.05	.01	2	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-57

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.61	6.10	5.49	3.80	69.22%	0.90	16.39%
6.10	7.92	1.82	1.70	93.41%	1.20	65.93%
7.92	10.97	3.05	3.05	100.00%	2.50	81.97%
10.97	12.19	1.22	1.22	100.00%	0.96	78.69%
12.19	14.63	2.44	2.35	96.31%	2.00	81.97%
14.63	18.29	3.66	3.66	100.00%	2.68	73.22%
18.29	21.34	3.05	3.05	100.00%	2.06	67.54%
21.34	24.38	3.04	3.04	100.00%	1.50	49.34%
24.38	27.43	3.05	3.05	100.00%	1.40	45.90%
27.43	30.48	3.05	3.05	100.00%	2.30	75.41%
30.48	33.53	3.05	3.05	100.00%	2.70	88.52%
33.53	36.58	3.05	3.05	100.00%	2.60	85.25%
36.58	39.62	3.04	3.04	100.00%	2.75	90.46%
39.62	42.67	3.05	3.05	100.00%	2.95	96.72%
42.67	45.72	3.05	3.05	100.00%	3.05	100.00%
45.72	48.77	3.05	3.05	100.00%	3.05	100.00%
48.77	51.82	3.05	3.05	100.00%	3.05	100.00%
51.82	54.86	3.04	3.04	100.00%	2.44	80.26%
54.86	57.91	3.05	3.05	100.00%	2.85	93.44%
57.91	60.96	3.05	3.05	100.00%	3.05	100.00%
60.96	64.00	3.04	3.04	100.00%	2.54	83.55%
64.00	67.06	3.06	3.06	100.00%		0.00%
67.06	70.10	3.04	3.04	100.00%	2.14	70.39%
70.10	71.63	1.53	1.53	100.00%	1.03	67.32%
71.63	74.68	3.05	3.05	100.00%	2.65	86.89%
74.68	77.72	3.04	3.04	100.00%	2.74	90.13%
77.72	80.77	3.05	3.05	100.00%	3.05	100.00%
80.77	83.82	3.05	3.05	100.00%	2.75	90.16%
83.82	86.87	3.05	3.05	100.00%	2.80	91.80%
86.87	89.92	3.05	3.05	100.00%	2.65	86.89%
89.92	92.96	3.04	3.04	100.00%	2.95	97.04%
92.96	96.01	3.05	3.05	100.00%	2.35	77.05%
96.01	97.54	1.53	1.53	100.00%	1.43	93.46%
97.54	100.58	3.04	3.04	100.00%	1.96	64.47%
100.58	101.19	0.61	0.61	100.00%	0.45	73.77%
101.19	103.63	2.44	2.44	100.00%	1.84	75.41%
103.63	106.68	3.05	3.05	100.00%	1.55	50.82%
106.68	109.73	3.05	3.05	100.00%	2.75	90.16%
109.73	111.86	2.13	2.13	100.00%	1.62	76.06%
111.86	115.82	3.96	3.96	100.00%	3.26	82.32%
115.82	117.96	2.14	2.14	100.00%	0.84	39.25%
117.96	121.97	4.01	4.01	100.00%	2.41	60.10%
121.97	124.96	2.99	2.99	100.00%	2.34	78.26%
124.96	128.02	3.06	3.06	100.00%	1.06	34.64%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-57

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
128.02	131.06	3.04	3.04	100.00%	2.20	72.37%
131.06	133.20	2.14	2.14	100.00%	1.15	53.74%
133.20	135.33	2.13	2.01	94.37%	1.06	49.77%
135.33	137.16	1.83	1.95	106.56%	0.99	54.10%
137.16	139.29	2.13	2.13	100.00%	1.61	75.59%
139.29	141.43	2.14	2.14	100.00%	1.87	87.38%
141.43	143.26	1.83	1.80	98.36%	0.99	54.10%
143.26	146.30	3.04	3.04	100.00%	2.09	68.75%
146.30	149.35	3.05	2.81	92.13%	1.63	53.44%
149.35	152.40	3.05	2.94	96.39%	1.92	62.95%
152.40	155.45	3.05	2.90	95.08%	2.44	80.00%
155.45	158.50	3.05	2.91	95.41%	1.73	56.72%
158.50	161.54	3.04	3.01	99.01%	2.35	77.30%
161.54	164.59	3.05	3.00	98.36%	2.83	92.79%
164.59	167.64	3.05	2.99	98.03%	2.52	82.62%
167.64	170.69	3.05	3.05	100.00%	3.00	98.36%
170.69	173.74	3.05	3.01	98.69%	2.51	82.30%
173.74	176.78	3.04	3.03	99.67%	2.48	81.58%
176.78	181.05	4.27	4.19	98.13%	2.03	47.54%
181.05	182.88	1.83	1.83	100.00%	0.46	25.14%
182.88	185.93	3.05	3.01	98.69%	1.70	55.74%
185.93	188.98	3.05	3.02	99.02%	1.53	50.16%
188.98	191.72	2.74	2.74	100.00%	0.25	9.12%
191.72	193.09	1.37	1.32	96.35%	0.54	39.42%
193.09	195.07	1.98	1.98	100.00%	1.23	62.12%
195.07	198.12	3.05	3.05	100.00%	2.11	69.18%
198.12	201.17	3.05	3.01	98.69%	1.35	44.26%
201.17	204.22	3.05	3.05	100.00%	2.13	69.84%
204.22	207.26	3.04	3.00	98.68%	2.48	81.58%
207.26	208.48	1.22	1.22	100.00%	1.22	100.00%
208.48	211.84	3.36	3.36	100.00%	2.51	74.70%
211.84	214.88	3.04	3.04	100.00%	2.94	96.71%
214.88	218.08	3.20	3.13	97.81%	2.70	84.37%
218.08	221.28	3.20	3.10	96.88%	2.68	83.75%
221.28	224.33	3.05	3.05	100.00%	2.57	84.26%
224.33	227.38	3.05	3.05	100.00%	2.91	95.41%
227.38	230.58	3.20	3.18	99.37%	2.82	88.12%
230.58	233.63	3.05	2.92	95.74%	2.38	78.03%
233.63	236.83	3.20	3.06	95.62%	2.72	85.00%
236.83	239.88	3.05	3.05	100.00%	2.18	71.48%
239.88	242.93	3.05	3.05	100.00%	2.29	75.08%
242.93	245.97	3.04	3.03	99.67%	2.49	81.91%
245.97	249.02	3.05	3.05	100.00%	2.95	96.72%
249.02	249.94	0.92	0.76	82.61%	0.61	66.30%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-57

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
249.94	252.98	3.04	2.93	96.38%	2.93	96.38%
252.98	256.03	3.05	3.05	100.00%	2.56	83.93%
256.03	259.08	3.05	2.94	96.39%	2.38	78.03%
259.08	262.13	3.05	2.95	96.59%	2.81	92.01%
262.13	265.18	3.05	2.99	98.16%	2.59	85.03%
265.18	267.31	2.13	2.13	100.00%	1.64	77.00%
267.31	270.36	3.05	2.95	96.72%	2.74	89.84%
270.36	273.41	3.05	2.93	96.07%	2.31	75.74%
273.41	276.76	3.35	3.35	100.00%	2.46	73.43%
276.76	279.81	3.05	3.03	99.34%	2.80	91.80%
279.81	283.16	3.35	3.28	97.91%	2.46	73.43%
283.16	286.21	3.05	3.03	99.34%	2.69	88.20%
286.21	289.26	3.05	3.05	100.00%	2.54	83.28%
289.26	292.30	3.04	3.04	100.00%	2.62	86.18%
292.30	295.35	3.05	3.05	100.00%	2.31	75.74%
295.35	298.40	3.05	3.05	100.00%	2.30	75.41%
298.40	301.45	3.05	3.05	100.00%	2.26	74.10%
301.45	304.65	3.20	3.07	95.94%	2.16	67.50%
304.65	307.70	3.05	2.85	93.44%	1.88	61.64%
307.70	308.91	1.21	1.10	90.91%	0.11	9.09%
308.91	312.12	3.21	2.20	68.54%	0.6	18.69%
312.12	313.18	1.06	1.06	100.00%	0.92	86.79%
313.18	314.86	1.68	1.60	95.24%	0.53	31.55%
314.86	316.99	2.13	2.13	100.00%	1.94	91.08%
316.99	320.04	3.05	3.05	100.00%	1.93	63.28%
320.04	323.09	3.05	2.98	97.70%	2.2	72.13%
323.09	326.14	3.05	3.05	100.00%	2.19	71.80%
326.14	328.57	2.43	2.40	98.77%	1.8	74.07%
328.57	329.79	1.22	1.22	100.00%	0.13	10.66%
329.79	332.23	2.44	2.33	95.49%	1.15	47.13%
332.23	335.28	3.05	3.02	99.02%	2.31	75.74%
335.28	338.33	3.05	3.03	99.34%	1.87	61.31%
338.33	340.16	1.83	1.83	100.00%	0.37	20.22%
340.16	343.05	2.89	2.82	97.58%	0.5	17.30%
343.05	344.42	1.37	1.37	100.00%	0.61	44.53%
344.42	345.64	1.22	1.22	100.00%	0.3	24.59%
345.64	346.25	0.61	0.61	100.00%	0	0.00%
346.25	349.30	3.05	3.05	100.00%	1.7	55.74%
349.30	352.35	3.05	3.05	100.00%	2.51	82.30%
352.35	354.79	2.44	2.44	100.00%	0.36	14.75%
354.79	357.84	3.05	3.05	100.00%	2.09	68.52%
357.84	360.43	2.59	2.59	100.00%	1.9	73.36%
360.43	363.63	3.20	3.14	98.13%	2.32	72.50%
363.63	366.83	3.20	3.10	96.88%	2.24	70.00%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-57

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
366.83	370.03	3.20	3.05	95.31%	2.25	70.31%
370.03	373.08	3.05	3.05	100.00%	2.75	90.16%
373.08	376.28	3.20	3.12	97.50%	2.78	86.88%
376.28	379.48	3.20	3.12	97.50%	1.92	60.00%
379.48	381.10	1.62	1.48	91.36%	1.25	77.16%
381.10	EOH			98.20%		71.56%

Hole No: TCU93-58
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15543.95
(metres) E: 10597.48

Azimuth: 180.3
Dip: -59.9
Length (m): 638.56
Elevation: 113.54
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: Aug. 25, 1993
Completed: September 08, 1993
Recovery:

Date Logged: Aug. 25 - Sept. 10, 1993
Logged By: K. Curtis/G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:51pm

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	180.3	-59.9															
3.0	180.3	-60.0	109.7	182.1	-60.1	216.4	183.5	-59.5	323.1	185.4	-59.3	429.8	187.8	-58.6	536.5	190.8	-57.4
6.1	180.3	-60.0	112.8	182.1	-60.1	219.5	183.5	-59.5	326.1	185.4	-59.3	432.8	187.8	-58.6	539.5	190.8	-57.4
9.1	180.3	-60.0	115.8	182.1	-60.1	222.5	183.5	-59.4	329.2	185.6	-59.3	435.9	187.9	-58.6	542.5	190.8	-57.4
12.2	180.5	-60.0	118.9	182.1	-60.1	225.6	183.5	-59.4	332.2	185.6	-59.3	438.9	187.9	-58.6	545.6	190.6	-57.3
15.2	180.5	-60.0	121.9	182.3	-60.1	228.6	183.7	-59.3	335.3	185.6	-59.2	442.0	188.1	-58.5	548.6	190.6	-57.3
18.3	180.5	-60.0	125.0	182.3	-60.0	231.6	183.9	-59.3	338.3	185.8	-59.2	445.0	188.1	-58.5	551.7	190.4	-57.3
21.3	180.5	-60.0	128.0	182.3	-60.0	234.7	184.1	-59.2	341.4	185.8	-59.2	448.1	188.1	-58.5	554.7	190.2	-57.2
24.4	180.5	-60.0	131.1	182.3	-60.0	237.7	184.3	-59.1	344.4	185.8	-59.2	451.1	188.1	-58.5	557.8	190.2	-57.2
27.4	180.5	-60.0	134.1	182.3	-60.0	240.8	184.4	-59.1	347.5	186.0	-59.1	454.1	188.1	-58.5	560.8	190.2	-57.2
30.5	180.5	-60.1	137.2	182.3	-60.0	243.8	184.6	-59.1	350.5	186.0	-59.1	457.2	188.1	-58.5	563.9	190.2	-57.2
33.5	180.5	-60.1	140.2	182.3	-60.0	246.9	184.6	-59.1	353.6	186.0	-59.1	460.3	188.3	-58.5	566.9	190.2	-57.2
36.6	180.5	-60.1	143.3	182.3	-60.0	249.9	184.6	-59.1	356.6	186.0	-59.1	463.3	188.5	-58.4	570.0	190.2	-57.2
39.6	180.5	-60.1	146.3	182.3	-60.0	253.0	184.6	-59.1	359.7	186.0	-59.1	466.3	188.5	-58.4	573.0	190.2	-57.2
42.7	180.5	-60.1	149.4	182.3	-60.0	256.0	184.6	-59.1	362.7	186.0	-59.1	469.4	188.5	-58.4	576.1	190.2	-57.2
45.7	180.5	-60.1	152.4	182.5	-60.0	259.1	184.6	-59.1	365.8	186.0	-59.1	472.4	188.5	-58.4	579.1	190.2	-57.1
48.8	180.5	-60.1	155.4	182.5	-60.0	262.1	184.6	-59.1	368.8	186.0	-59.0	475.5	188.7	-58.4	582.2	190.4	-57.1
51.8	180.5	-60.1	158.5	182.7	-59.9	265.2	184.6	-59.2	371.9	186.0	-59.0	478.5	188.7	-58.4	585.2	190.4	-57.1
54.9	180.5	-60.1	161.5	182.7	-59.9	268.2	184.6	-59.2	374.9	186.2	-58.9	481.6	188.9	-58.5	588.3	190.4	-57.1
57.9	180.5	-60.1	164.6	182.7	-59.9	271.3	184.8	-59.3	378.0	186.4	-58.8	484.6	189.1	-58.4	591.3	190.4	-57.1
61.0	180.7	-60.2	167.6	182.9	-59.9	274.3	184.8	-59.4	381.0	186.6	-58.8	487.7	189.1	-58.4	594.4	190.6	-57.2
64.0	180.9	-60.2	170.7	182.9	-59.8	277.4	184.8	-59.4	384.0	186.8	-58.8	490.7	189.1	-58.3	597.4	190.6	-57.2
67.1	181.1	-60.1	173.7	182.9	-59.8	280.4	184.8	-59.4	387.1	187.0	-58.8	493.8	189.1	-58.3	600.5	190.6	-57.2
70.1	181.1	-60.1	176.8	182.9	-59.8	283.5	185.0	-59.4	390.1	187.0	-58.8	496.8	189.3	-58.2	603.5	190.6	-57.1
73.2	181.3	-60.1	179.8	183.1	-59.8	286.5	185.2	-59.4	393.2	187.2	-58.8	499.9	189.3	-58.1	606.5	190.4	-57.2
76.2	181.5	-60.1	182.9	183.3	-59.7	289.6	185.2	-59.4	396.2	187.4	-58.7	502.9	189.5	-58.0	609.6	190.4	-57.2
79.3	181.5	-60.1	185.9	183.3	-59.7	292.6	185.2	-59.4	399.3	187.6	-58.7	506.0	189.5	-58.0	612.7	190.4	-57.2
82.3	181.7	-60.0	189.0	183.3	-59.7	295.7	185.2	-59.4	402.3	187.6	-58.7	509.0	189.7	-57.9	615.7	190.4	-57.2
85.3	181.9	-59.9	192.0	183.3	-59.7	298.7	185.2	-59.4	405.4	187.6	-58.7	512.1	189.9	-57.8	618.7	190.4	-57.2
88.4	181.9	-59.9	195.1	183.3	-59.7	301.8	185.2	-59.4	408.4	187.6	-58.7	515.1	189.9	-57.8	621.8	190.4	-57.2
91.4	181.9	-59.9	198.1	183.3	-59.7	304.8	185.2	-59.3	411.5	187.6	-58.7	518.2	189.9	-57.8	624.8	190.4	-57.2
94.5	181.9	-59.9	201.2	183.3	-59.7	307.9	185.2	-59.3	414.5	187.6	-58.7	521.2	189.9	-57.8	627.9	190.4	-57.2
97.5	181.9	-59.9	204.2	183.3	-59.7	310.9	185.2	-59.3	417.6	187.6	-58.7	524.3	190.0	-57.7	630.9	190.4	-57.1
100.6	181.9	-59.9	207.3	183.5	-59.6	313.9	185.4	-59.3	420.6	187.6	-58.7	527.3	190.6	-57.6	634.0	190.6	-57.1
103.6	182.1	-60.0	210.3	183.5	-59.5	317.0	185.4	-59.3	423.7	187.8	-58.7	530.3	190.8	-57.4	637.0	190.8	-57.1
106.7	182.1	-60.1	213.4	183.5	-59.5	320.0	185.4	-59.3	426.7	187.8	-58.7	533.4	190.8	-57.4	638.6	190.8	-57.1

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	1.83	CASING										
1.83	4.65	BASALT UNDIFFERENTIATED; (PROPYLITIC) Massive, medium green, propylitically (chlorite + epidote) altered, fine grained, mafic sill (or flow). From 1.83 - 3.50 metres broken and ground core. Lower contact sharp @ 40° to CA.										
4.65	33.87	VOLCANIC SEDIMENTS; (PROPYLITIC) Laminated to bedded, dark green to black, weak propylitically altered tuffaceous argillite, siltstone and lesser mafic ash and lapilli tuff. Unit becomes more tuffaceous and thickly bedded towards the bottom of the interval. Bedding @ 40°-70° to CA. Chlorite microfractures (<1mm) with pale green silica ± albite envelopes (<2mm); minor chlorite + epidote ± chalcopyrite veinlets with silica ± albite envelopes (<5mm). Rare pyrrhotite laminae. Lower contact sharp @ 75° to CA. 19.20 25.30 Broken and fractured (chlorite ± calcite, low angles to core, bleached) core; minor gouge (<5mm) and slickensides along some fractures.										
33.87	44.85	BASALT UNDIFFERENTIATED; (SILICIFICATION) Massive, dark green to black, fine grained to aphanitic undifferentiated mafic sill (or flow). Chlorite fractures (5mm, randomly orientated) with silica ± albite envelopes (<2cm). 44.00 44.85 Chlorite + calcite sheared (bleached, shears @ 30° to CA) BAU. Chlorite + calcite + pyrite infilled brecciated BAU @ 44.85m.										
44.85	49.50	VOLCANIC SEDIMENTS; (BIOTITIZATION) Faintly laminated, dark brown, biotite altered tuffaceous argillite, siltstone and mafic ash tuff. Rare pyrrhotite clasts (<1cm) rimmed by chlorite + pyrite. Lower contact sharp @ 50° to CA.										
49.50	199.10	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; Massive, medium green, feldspar (<2mm) + amphibole (<2mm, ragged acicular crystals, actinolite after hornblende ?) phyric mafic intrusion. Chlorite + epidote + silica ± albite (?) ± actinolite ± magnetite ± pyrite ± chalcopyrite fractures (<10cm, randomly orientated, 1/1.0 metre). Lower contact sharp @ 60° to CA. 131.60 131.90 Broken and fractured (chlorite + calcite, @ 30° to CA) core. 132.15 132.25 Broken and fractured (chlorite + calcite, @ 30° to CA) core. 152.70 152.80 Calcite ± chlorite filled shear @ 40° to CA. 164.92 165.25 Broken and chlorite sheared core @ 70° to CA; 2cm clay gouge.										
199.10	206.40	VOLCANIC SEDIMENTS; (BIOTITIZATION) (CORDIERITE) Faintly laminated, brownish black, biotite altered fine tuffaceous										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		argillite, siltstone and minor ash tuff; selective cordierite (<3mm, sub-euhedral) alteration of some beds. Bedding @ 60° to CA. Chlorite fractures (<1cm, randomly orientated) with grey silica envelopes (2cm). Disseminated medium grained, euhedral pyrite (trace). Lower contact sharp @ 40° to CA.										
206.40	212.35	VOLCANIC SEDIMENTS; Faintly layered, dark green with maroon tinge, heterolithic lapilli tuff. Lapilli are mainly white, wispy and cuspate in outline, <1cm diameter, felsic volcanic clasts; matrix is mainly dark green, chlorite ± hematite altered volcanic sediment. Rare jasper vein (<6cm) or bed parallel to foliation @ 40° to CA. 210.25 212.00 Broken and chlorite fractured core @ 30° to CA.										
212.35	216.39	BASALT UNDIFFERENTIATED; Feldspar phyric section (30%) with a dark green to black aphanitic matrix. Generally massive, with minor randomly orientated fractures with 2-3mm bleached selvages. Also crosscutting chlorite-actinolite-magnetite fractures. Feldspar phenocrysts gradually decrease (possibly destroyed by pervasive silicification) towards base of section to nil at 216.30m.										
216.39	220.98	BASALT UNDIFFERENTIATED; (SILICIFICATION) Very fine grained, or aphyric basalt. Dark green to black with a fairly strong pervasive silica flooding, increasing towards fault zone at the bottom of the interval. Fracture density increases towards fault; healed brecciated textures (10-20%) also noted. An increase in bleached selvages around fractures is also noted towards fault.										
220.98	227.50	FAULT (CARBONATE ALTERED) (SILICIFICATION) Strongly fractured and broken core with pervasive calcite and silica alteration. A shear fabric at 20° to C.A. Is well developed throughout interval. Epidote-chlorite is present on fracture sets. Brittle dip-slip motion is indicated by quartz mineral growths (slicks).										
227.50	285.29	BASALT UNDIFFERENTIATED; Dark green to black, aphyric, weakly chloritic, with same overall textures (or lack of) as previous section. From 239.48 - 240.40 metres: carbonate-silica altered brittle fault zone with a shear fabric @ 20° to CA and dip slip slickenside motion. Trace epidote alteration.										
285.29	291.47	VOLCANIC SEDIMENTS; Fine to coarse grained clastic sedimentary sequence. Well banded tuffaceous argillites and lesser mafic ash tuffs; jasper rich sections from 10-30 cm wide throughout interval. Bedding 20° to C.A. @ 288.56m--poor, tops not indicated.										
291.47	319.33	QUARTZ FELDSPAR PORPHYRY DYKE;										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Feldspar + quartz + amphibole phyric section with small rafts or inclusions of BAU. Overall the section appears felsic in composition, however this could be due to associated or later patchy silicification. Basal contact is sharp and intrusive at 80° to C.A. From 314.06 - 314.08 metres: magnetite - epidote - chlorite fractures.									
319.33	329.32	BASALT UNDIFFERENTIATED; Dark green to black, aphyric, basalt with minor patchy silicification. Massive with weakly developed fractures at random orientations. Sharp basal contact at 35 degrees to C.A.									
329.32	331.30	AMPHIBOLE PHYRIC BASALT INTRUSION; Massive, amphibole (altered to chlorite) phyric basaltic dyke with well developed chill margins. Interval is pervasive epidote altered. Basal contact at 75° to C.A.									
331.30	334.97	BASALT UNDIFFERENTIATED; Dark green to black, amphibole (0.5-2.0 mm, in part chlorite altered) phyric basalt intrusion.									
334.97	433.40	FELDSPAR-PHYRIC BASALT UNDIFFERENTIATED; Massive, feldspar ± pyroxene (altered to actinolite) phyric, fine grained to aphanitic basalt intrusion; some intervals markedly phyric while others are aphanitic. From 334.97 - 373.18 metres: actinolite (10-25%, <2mm) rich section. From 373.18 - 433.40 metres: massive, fine grained textureless section.									
433.40	443.59	FELDSPAR PHYRIC DACITE FLOW BRECCIA; Massive, grey, feldspar phyric dacite flow breccia; breccia clasts are 0.5 - 10 cm. Diameter, angular and 55% by volume. Randomly orientated chlorite fractures with silica + albite envelopes (2-5mm). Strong silica and hematite alteration at the bottom of the interval. Lower contact gradational.									
443.59	445.14	BASALTIC INTRUSION; Fine grained, basalt intrusion; amygdaloidal towards the bottom of the interval. Lower contact sharp @ 45° to CA.									
445.14	458.12	DACITE FLOWS; Dark to medium grey, quartz + feldspar phyric (25-30%) dacite flow; generally massive with some brecciated intervals. From 445.14 - 447.14 metres: pervasive hematite + silica alteration. From 456.76 - 459.00 metres: blocky, faulted interval.									
458.12	460.25	BASALTIC INTRUSION; Massive, fine grained dyke with chilled margins. Upper contact faulted; lower contact @ 35° to CA.									

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
460.25	494.66	DACITE FLOW BRECCIA; Similar to 433.40 - 443.40 metres. Quartz + feldspar phyric dacite flow breccia; breccia clasts are 0.5 - 10 cm in diameter, angular to subangular and are selectively silica ± epidote altered. Feldspar phenocrysts decrease in quantity towards the bottom of the interval.										
494.66	495.00	BASALTIC INTRUSION; Similar to 458.22 - 460.25 metres.										
495.00	508.90	DACITE LAPILLI TUFF; (CHLORITIZATION) (BIOTITIZATION) Massive, dark green dacite lapilli tuff; clasts are 0.5 - 3.0 cm diameter, angular (decreasing in size and angularity towards bottom of interval), matrix supported, and mainly dacite to rhyolite in composition. The matrix increases in size and is more angular towards the bottom of the interval. Biotite + chlorite alteration is confined to the matrix and increases in intensity towards the bottom of the interval. Minor fine grained leucoxene @ 503.50 metres. Lower contact sharp @ 20° to CA.										
508.90	512.00	DACITE LAPILLI TUFF; (BIOTITIZATION) Dacite lapilli tuff; clasts are angular to subangular, tightly packed (clast supported) and weakly aligned @ 45° to CA. Matrix is selectively biotite altered. A weak spaced cleavage is @ 30° to CA. Sulphides consist of fine grained disseminated pyrite (1-5%), sphalerite (<1%) and chalcopyrite (<1%). Silica is estimated @ 60 - 70%.	68635	508.90	510.40	1.50						
			68636	510.40	512.00	1.60						
512.00	518.50	AMYGDALOIDAL BASALT FRAGMENTAL; Dark grey, sericite altered, heterolithic, mafic lapilli tuff; lapilli are angular and sometimes quartz amygdaloidal. Sulphides consisted of disseminated fine grained sphalerite (1-2%) and chalcopyrite (1%). Lower contact is sharp @ 80° to CA.	68637	512.00	513.60	1.60	.48	23.32	.20	.27	1.12	
			68638	513.60	515.00	1.40	.82	28.80	.78	.39	2.52	
			68639	515.00	516.50	1.50						
			68640	516.50	517.70	1.20						
			68641	517.70	518.50	.80						
518.50	535.42	ALTERED FACIES; (BIOTITIZATION) (CORDIERITE) (DISSEMINATED PYRITE) Silica (10%) + sericite (30%) + pyrite (10%) altered volcanic lapilli tuff or mass flow unit overprinted by metamorphic biotite (60%) + cordierite. Cordierite occurs as buff coloured porphyroblasts (1-4mm) that grade in abundance and size (from 1 to 4mm) over the first 6.0 metres of the interval; porphyroblasts are slightly stretched parallel to foliation. Foliation is @ 45° to CA.	68642	518.50	521.00	2.50						
			68643	521.00	524.00	3.00						
			68644	524.00	525.50	1.50						
			68645	525.50	527.00	1.50						
			68646	527.00	528.50	1.50						
			68647	528.50	530.00	1.50						
			68648	530.00	531.40	1.40						
			68649	531.40	532.47	1.07						
			68650	532.47	535.42	2.95						
535.42	540.25	PYRITE FACIES; Pyrite (>30%) + silica (>25%) + sericite altered interval; absence of	68651	535.42	536.92	1.50						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		cordierite + biotite. Foliation @ 45° to CA. Trace brown sphalerite @ 539.5 metres. Lower contact sharp (infilled by quartz) @ 45° to CA.	68652	536.92	538.33	1.41						
			68653	538.33	539.83	1.50						
			68654	539.83	541.33	1.50						
540.25	548.62	ALTERED FACIES; (BIOTITIZATION) (CORDIERITE) (DISSEMINATED PYRITE) Similar to 518.50 - 535.42 metres, however an increase in quartz stringers (1-2mm). Strong foliation @ 45° to CA. Trace chalcopyrite @ 540.0 metres. From 546.52 - 548.62 metres broken core--brittle fault @ 0° to CA.	68655	541.33	542.43	1.10						
			68656	542.43	545.43	3.00						
			68657	545.43	547.57	2.14						
			68658	547.57	548.62	1.05						
548.62	581.24	ALTERED FACIES; (SERICITIZATION) (BIOTITIZATION) (DISSEMINATED PYRITE) A pale grey silica + sericite + pyrite (10-15%) altered heterolithic unit; minor metamorphic biotite and the absence of cordierite distinguish this unit from the intervals above and below. Unit is strongly foliated @ 20 -30° to CA. From 571.8 - 572.3 metres: coarse grained porphyroblastic pyrite (40%). From 572.70 - 572.90 metres: disseminated leucoxene (0.5mm, 1-2%) laths.	68659	548.62	550.37	1.75						
			68660	550.37	552.95	2.58						
			68661	552.95	555.65	2.70						
			68662	555.65	558.72	3.07						
			68663	558.72	561.47	2.75						
			68664	561.47	564.47	3.00						
			68665	564.47	567.47	3.00						
			68666	567.47	570.06	2.59						
			68667	570.06	573.01	2.95						
			68668	573.01	575.83	2.82						
			68669	575.83	578.71	2.88						
			68670	578.71	581.24	2.53						
581.24	591.80	BASALT LAPILLI TUFF - AMYGDALOIDAL; (BIOTITIZATION) (CORDIERITE) (DISSEMINATED PYRITE) Foliated, biotite (70%) + cordierite (0.3 - 2cm, pink) + chlorite (10%) altered, quartz + pyrite amygdaloidal (1-5mm, round) basalt (?) flow. Scattered brecciated intervals with silica infillings. Moderate to strong foliation @ 30° to CA. Pyrite occurs as stringers (<2mm) and fine grained disseminations. Upper contact is sharp @ 90° to CA; lower contact is gradational @ 35° to CA. From 590.39 - 590.69 metres: BIN, medium grained, actinolite altered, contacts @ 45° to CA.	68671	581.24	583.04	1.80						
			68672	583.04	584.40	1.36						
			68673	584.40	585.90	1.50						
			68674	585.90	587.25	1.35						
			68675	587.25	588.75	1.50						
			68676	588.75	590.25	1.50						
591.80	608.10	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SERICITIZATION) (SILICIFICATION) (DISSEMINATED PYRITE) A silica stockwork (3mm - 2.5cm, 3-40% decreasing towards bottom of interval) zone cutting sericite + silica + pyrite (7-10%) altered, quartz ± pyrite amygdaloidal (3mm - 1cm) basalt flow. Strong foliation @ 45° to CA; amygdules are stretched with a 5:1 length to width ratio. From 591.60 - 593.0 metres: PYF, fine grained pyrite (30-40%) in a sericitic matrix. From 597.00 - 598.00 metres: Layered interval with quartz veins (20%) parallel to foliation @ 40° to CA. Lower contact gradational.	68677	591.80	593.50	1.70						
			68678	593.50	595.00	1.50						
			68679	595.00	596.44	1.44						
			68680	596.44	597.04	.60						
			68681	597.04	599.94	2.90						
			68682	599.94	602.70	2.76						
			68683	602.70	605.64	2.94						
			68684	605.64	608.10	2.46						
608.10	621.40	BASALT FLOW; (BIOTITIZATION) (CORDIERITE) Massive, dark grey to black, fine grained undifferentiated mafic unit;										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		minor metamorphic biotite + cordierite (pink, 1-7mm, decreasing in size and abundance towards bottom of interval). Disseminated fine grained pyrite (5%).										
621.40	633.07	BASALT FLOW; (SILICIFICATION) (SERICITIZATION) (DISSEMINATED PYRITE) Similar to above stockwork zone, however less quartz stringers. Grey, strongly bleached, medium grained basalt flow. Disseminated fine grained pyrite (<3%). Foliation @ 30 - 35° to CA. From 627.00 - 627.30 metres: coarse grained porphyroblastic pyrite (40%). Lower contact gradational.	68685	626.90	627.50	.60						
633.07	638.56	ALTERED FACIES; (BIOTITIZATION) (CORDIERITE) (STRINGER CHALCOPYRITE) Intense biotite + cordierite altered section similar to above interval. Cordierite porphyroblasts are 2mm - 2cm diameter, buff to brown and slightly elongated in a biotite (50-60%) rich matrix. Pyrite (5-7%) occurs as fine grained disseminations and layers. Chalcopyrite (<2%) occurs in stringers and veins.	68686 68687 68688 68689	633.07 634.57 635.85 637.45	634.57 635.85 637.45 638.56	1.50 1.28 1.60 1.11						
638.56		EOH Rods stuck; hole abandoned despite alteration and weak mineralization.										

Hole No: TCU93-58
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15543.95
(metres) E: 10597.48

Azimuth: 180.3
Dip: -59.9
Length (m): 638.56
Elevation: 113.54
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: Aug. 25, 1993
Completed: September 08, 1993
Recovery:

Date Logged: Aug. 25 - Sept. 10, 1993
Logged By: K. Curtis/G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:51pm

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68635	508.90	510.40	1.50								110	4.7	267	396	1795	1.91	24	8	6	147
68636	510.40	512.00	1.60	2.80							260	9.1	636	594	2761	2.01	28	10	11	112
68637	512.00	513.60	1.60	2.88	.48	23.32	.20	.27	1.12		390	20.1	1680	2195	10372	2.56	34	47	28	117
68638	513.60	515.00	1.40	3.19	.82	28.80	.78	.39	2.52		570	23.7	6220	2775	19053	7.23	110	79	144	88
68639	515.00	516.50	1.50	2.91							56	1.3	402	218	2650	5.23	38	10	5	95
68640	516.50	517.70	1.20								36	.2	79	14	712	4.96	24	5	5	78
68641	517.70	518.50	.80								35	.3	73	13	110	6.50	27	0	2	64
68642	518.50	521.00	2.50								21	.1	33	29	72	4.92	10	0	2	23
68643	521.00	524.00	3.00								36	.1	20	9	240	6.31	21	1	2	21
68644	524.00	525.50	1.50								41	.1	109	10	62	9.63	33	1	2	21
68645	525.50	527.00	1.50								44	.1	155	17	70	9.99	37	1	2	14
68646	527.00	528.50	1.50								84	.3	123	10	84	7.69	53	1	2	18
68647	528.50	530.00	1.50								39	.1	23	10	82	7.89	36	0	2	15
68648	530.00	531.40	1.40								19	.1	9	8	66	5.10	17	0	2	23
68649	531.40	532.47	1.07								30	.1	17	5	74	5.79	20	1	2	21
68650	532.47	535.42	2.95								48	.2	26	10	90	5.33	37	1	2	25
68651	535.42	536.92	1.50								130	.1	28	22	74	7.28	62	0	2	15
68652	536.92	538.33	1.41								140	.1	45	20	73	11.67	59	1	2	9
68653	538.33	539.83	1.50								45	.3	233	10	1000	6.72	14	5	2	11
68654	539.83	541.33	1.50								40	.1	148	8	607	8.41	17	4	2	14
68655	541.33	542.43	1.10								20	.1	24	9	103	7.24	26	1	2	14
68656	542.43	545.43	3.00								19	.1	16	10	111	6.30	13	1	2	19
68657	545.43	547.57	2.14								33	.1	203	8	235	7.57	24	1	2	16
68658	547.57	548.62	1.05								180	3.9	3208	4	253	5.57	53	1	51	20
68659	548.62	550.37	1.75								41	.1	45	9	66	6.60	21	0	2	16
68660	550.37	552.95	2.58								34	.1	43	8	29	4.21	16	0	2	24
68661	552.95	555.65	2.70								34	.1	86	7	26	6.29	20	0	2	16
68662	555.65	558.72	3.07								85	.2	189	21	56	6.15	32	0	2	9
68663	558.72	561.47	2.75								95	.1	41	15	57	5.42	36	0	2	13
68664	561.47	564.47	3.00								59	.1	10	8	46	4.34	23	0	2	18
68665	564.47	567.47	3.00								83	.1	26	13	56	5.51	39	0	2	13
68666	567.47	570.06	2.59								38	.1	23	11	48	4.18	25	0	2	23

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68667	570.06	573.01	2.95							36	.1	36	11	46	5.80	21	0	2	17
68668	573.01	575.83	2.82							33	.1	70	6	32	4.96	22	0	2	12
68669	575.83	578.71	2.88							47	.1	141	11	73	5.12	23	0	2	16
68670	578.71	581.24	2.53							38	.1	25	10	49	10.58	30	0	2	8
68671	581.24	583.04	1.80							18	.1	25	9	91	5.81	15	1	2	15
68672	583.04	584.40	1.36							16	.1	32	3	127	5.91	10	0	2	17
68673	584.40	585.90	1.50							14	.1	83	2	103	5.97	14	1	2	19
68674	585.90	587.25	1.35							19	.1	20	5	84	5.95	12	0	2	19
68675	587.25	588.75	1.50							16	.1	29	7	85	5.77	14	0	2	22
68676	588.75	590.25	1.50							28	.1	21	9	96	6.09	21	1	2	18
68677	591.80	593.50	1.70							230	.6	64	203	599	6.98	87	2	2	15
68678	593.50	595.00	1.50							240	.7	226	228	1726	8.95	79	8	2	15
68679	595.00	596.44	1.44							240	.3	48	76	140	9.99	152	0	2	13
68680	596.44	597.04	.60							200	.5	44	111	128	7.35	172	0	2	22
68681	597.04	599.94	2.90							99	.5	168	80	132	8.04	122	1	2	18
68682	599.94	602.70	2.76							110	.4	174	51	30	9.67	140	0	2	14
68683	602.70	605.64	2.94							110	.5	205	53	81	8.43	149	0	3	18
68684	605.64	608.10	2.46							51	.4	132	40	178	4.96	58	1	4	36
68685	626.90	627.50	.60							110	.6	809	29	2117	16.77	109	8	2	9
68686	633.07	634.57	1.50							60	.3	375	8	418	3.83	32	1	2	43
68687	634.57	635.85	1.28							53	.1	343	6	118	4.53	35	0	2	31
68688	635.85	637.45	1.60							16	.1	159	5	115	5.49	38	0	2	30
68689	637.45	638.56	1.11							86	.6	1262	8	169	5.43	61	1	6	27

Hole No: TCU93-58
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15543.95
(metres) E: 10597.48

Azimuth: 180.3
Dip: -59.9
Length (m): 638.56
Elevation: 113.54
(metres)
Purpose:

Core Size: NQ
Drill Name: Boyles 37
Contractor: F. Boisvenu Diamond Drilling Ltd.
Started: Aug. 25, 1993
Completed: September 08, 1993
Recovery:

Date Logged: Aug. 25 - Sept. 10, 1993
Logged By: K. Curtis/G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
2:50pm

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68635	508.90	510.40	1.50	7	4	4	122	5	3	17	2	2	.17	5	13	.74	.03	3	1
68636	510.40	512.00	1.60	5	5	4	97	5	2	27	2	2	.22	5	6	.61	.03	3	1
68637	512.00	513.60	1.60	5	3	3	93	5	2	30	2	2	.24	4	5	.55	.02	3	1
68638	513.60	515.00	1.40	6	7	3	106	5	2	29	5	3	.23	2	22	.55	.02	3	11
68639	515.00	516.50	1.50	3	4	8	279	5	2	34	2	10	.54	3	7	1.48	.06	4	2
68640	516.50	517.70	1.20	2	4	7	321	5	2	24	2	10	.45	3	4	1.67	.07	4	1
68641	517.70	518.50	.80	3	4	8	372	5	2	16	2	10	.46	4	16	1.61	.08	2	1
68642	518.50	521.00	2.50	2	2	9	490	5	2	23	2	17	.66	2	4	2.35	.12	2	1
68643	521.00	524.00	3.00	2	4	10	368	5	2	15	2	26	.46	2	10	2.65	.11	2	1
68644	524.00	525.50	1.50	1	3	13	416	5	2	20	18	21	.60	2	4	2.67	.09	2	1
68645	525.50	527.00	1.50	1	3	11	472	5	2	25	10	20	.55	2	5	2.69	.09	2	1
68646	527.00	528.50	1.50	2	4	12	563	5	2	28	4	19	.58	2	10	3.11	.09	2	1
68647	528.50	530.00	1.50	1	4	11	612	5	2	29	2	22	.63	2	6	3.35	.12	2	1
68648	530.00	531.40	1.40	1	3	9	542	5	2	31	2	15	.65	2	4	2.42	.09	2	1
68649	531.40	532.47	1.07	1	4	10	533	5	2	35	2	12	.72	2	11	2.03	.10	2	1
68650	532.47	535.42	2.95	2	2	10	472	5	2	32	2	11	.73	2	4	2.08	.09	2	1
68651	535.42	536.92	1.50	2	3	10	246	5	2	17	4	7	.50	2	3	1.24	.05	2	1
68652	536.92	538.33	1.41	6	3	10	196	5	2	13	15	7	.41	2	14	1.13	.04	2	1
68653	538.33	539.83	1.50	8	3	13	314	5	2	10	2	9	.30	2	4	1.54	.03	2	1
68654	539.83	541.33	1.50	3	22	15	409	5	2	31	2	23	.62	2	23	2.19	.07	2	1
68655	541.33	542.43	1.10	2	4	12	415	5	2	17	2	19	.42	2	16	2.39	.08	2	1
68656	542.43	545.43	3.00	1	3	11	513	5	2	18	2	22	.43	2	3	2.73	.07	2	1
68657	545.43	547.57	2.14	3	3	15	522	5	2	16	2	13	.40	2	5	2.28	.05	2	1
68658	547.57	548.62	1.05	4	3	8	611	5	2	21	5	14	.38	2	10	2.32	.07	2	1
68659	548.62	550.37	1.75	2	4	12	446	5	2	17	4	16	.35	2	4	1.88	.06	2	1
68660	550.37	552.95	2.58	3	4	9	180	5	2	7	2	6	.26	2	4	.71	.03	3	1
68661	552.95	555.65	2.70	5	3	11	103	5	2	9	5	4	.34	2	12	.26	.01	2	1
68662	555.65	558.72	3.07	2	2	9	206	5	2	18	2	5	.38	2	3	.81	.04	2	1
68663	558.72	561.47	2.75	2	3	10	382	5	2	34	2	8	.45	2	4	1.31	.08	2	1
68664	561.47	564.47	3.00	2	2	8	471	5	2	29	2	9	.44	2	8	1.72	.10	2	1
68665	564.47	567.47	3.00	4	2	9	324	5	2	31	2	8	.46	2	3	1.26	.07	2	1
68666	567.47	570.06	2.59	2	3	8	465	5	2	20	2	10	.35	3	3	1.65	.08	2	1

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68667	570.06	573.01	2.95	3	2	8	473	5	2	22	2	11	.43	2	9	1.52	.08	2	1
68668	573.01	575.83	2.82	2	3	12	357	5	2	40	2	8	.50	2	4	.80	.06	2	1
68669	575.83	578.71	2.88	5	2	8	501	5	2	31	2	8	.46	2	3	1.33	.09	2	1
68670	578.71	581.24	2.53	5	4	19	342	5	2	42	6	13	.46	2	10	.92	.06	2	1
68671	581.24	583.04	1.80	1	2	18	747	5	2	27	2	41	.41	2	3	2.40	.16	2	1
68672	583.04	584.40	1.36	1	2	16	827	5	2	34	2	45	.46	2	3	3.01	.16	2	1
68673	584.40	585.90	1.50	1	2	16	795	5	2	29	2	47	.47	2	8	3.00	.17	2	1
68674	585.90	587.25	1.35	1	2	18	681	5	2	38	2	37	.63	2	4	2.70	.16	2	1
68675	587.25	588.75	1.50	1	3	17	705	5	2	49	2	42	.60	2	4	2.92	.17	2	1
68676	588.75	590.25	1.50	2	3	15	758	5	2	77	2	50	.61	2	9	3.06	.19	2	1
68677	591.80	593.50	1.70	3	9	12	435	5	2	28	2	25	.70	2	20	2.00	.08	2	1
68678	593.50	595.00	1.50	7	14	12	268	5	2	20	2	21	.65	3	46	.94	.05	2	1
68679	595.00	596.44	1.44	3	4	11	126	5	2	17	2	5	.62	3	15	.24	.01	3	1
68680	596.44	597.04	.60	2	5	9	91	5	2	8	2	4	.43	3	7	.12	.01	3	1
68681	597.04	599.94	2.90	4	3	10	80	5	2	8	2	4	.38	3	4	.12	.01	2	1
68682	599.94	602.70	2.76	3	5	9	66	5	2	8	2	4	.34	3	18	.12	.01	3	1
68683	602.70	605.64	2.94	2	3	12	87	5	2	7	2	5	.37	5	5	.15	.01	4	1
68684	605.64	608.10	2.46	2	2	8	513	5	2	7	2	12	.37	3	3	1.49	.09	3	1
68685	626.90	627.50	.60	4	6	22	234	5	2	6	2	7	.20	2	14	.47	.02	2	1
68686	633.07	634.57	1.50	2	3	6	584	5	2	8	2	16	.32	2	4	2.49	.12	2	1
68687	634.57	635.85	1.28	2	3	5	525	5	2	8	2	13	.40	4	3	1.95	.12	3	1
68688	635.85	637.45	1.60	1	3	8	686	5	2	9	2	17	.55	3	3	2.35	.16	4	1
68689	637.45	638.56	1.11	1	3	9	606	5	2	8	2	17	.41	3	10	2.18	.14	4	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-58

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
1.83	5.18	3.35	2.55	76.12%	1.45	43.28%
5.18	8.23	3.05	3.05	100.00%	2.38	78.03%
8.23	11.28	3.05	3.05	100.00%	2.02	66.23%
11.28	14.33	3.05	3.03	99.34%	2.24	73.44%
14.33	17.07	2.74	2.74	100.00%	1.66	60.58%
17.07	20.42	3.35	2.83	84.48%	0.66	19.70%
20.42	21.03	0.61	0.40	65.57%	0.00	0.00%
21.03	21.64	0.61	0.55	90.16%	0.00	0.00%
21.64	23.47	1.83	1.83	100.00%	0.51	27.87%
23.47	25.30	1.83	1.83	100.00%	0.35	19.13%
25.30	26.52	1.22	1.22	100.00%	0.22	18.03%
26.52	29.57	3.05	3.05	100.00%	1.05	34.43%
29.57	32.61	3.04	3.04	100.00%	1.74	57.24%
32.61	35.36	2.75	2.75	100.00%	2.03	73.82%
35.36	38.56	3.20	3.20	100.00%	1.22	38.12%
38.56	41.76	3.20	3.17	99.06%	0.63	19.69%
41.76	44.81	3.05	3.05	100.00%	1.01	33.11%
44.81	46.33	1.52	1.52	100.00%	0.40	26.32%
46.33	50.29	3.96	3.43	86.62%	1.85	46.72%
50.29	53.34	3.05	3.05	100.00%	2.11	69.18%
53.34	56.39	3.05	3.05	100.00%	2.04	66.89%
56.39	59.44	3.05	3.01	98.69%	2.23	73.11%
59.44	60.05	0.61	0.61	100.00%	0.53	86.89%
60.05	63.09	3.04	3.04	100.00%	2.39	78.62%
63.09	65.84	2.75	2.48	90.18%	1.59	57.82%
65.84	68.88	3.04	3.01	99.01%	1.34	44.08%
68.88	72.24	3.36	3.28	97.62%	2.24	66.67%
72.24	74.37	2.13	2.10	98.59%	1.37	64.32%
74.37	75.29	0.92	0.80	86.96%	0.54	58.70%
75.29	78.33	3.04	3.04	100.00%	2.17	71.38%
78.33	81.38	3.05	3.01	98.69%	2.15	70.49%
81.38	84.43	3.05	2.97	97.38%	1.88	61.64%
84.43	85.04	0.61	0.55	90.16%	0.00	0.00%
85.04	87.48	2.44	2.44	100.00%	1.78	72.95%
87.48	90.53	3.05	3.05	100.00%	2.44	80.00%
90.53	92.96	2.43	2.43	100.00%	2.14	88.07%
92.96	96.01	3.05	3.03	99.34%	2.00	65.57%
96.01	96.62	0.61	0.54	88.52%	0.47	77.05%
96.62	99.67	3.05	3.05	100.00%	2.58	84.59%
99.67	102.72	3.05	3.01	98.69%	2.48	81.31%
102.72	105.77	3.05	2.94	96.39%	1.80	59.02%
105.77	108.81	3.04	3.04	100.00%	2.72	89.47%
108.81	111.86	3.05	2.96	97.05%	2.39	78.36%
111.86	114.91	3.05	3.00	98.36%	2.56	83.93%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS
HOLE NUMBER : TCU93-58

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
114.91	117.96	3.05	2.98	97.70%	2.36	77.38%
117.96	121.01	3.05	3.01	98.69%	2.32	76.07%
121.01	124.05	3.04	3.02	99.34%	2.86	94.08%
124.05	127.10	3.05	3.02	99.02%	2.76	90.49%
127.10	130.15	3.05	3.05	100.00%	2.59	84.92%
130.15	133.20	3.05	3.00	98.36%	2.10	68.85%
133.20	136.25	3.05	3.00	98.36%	1.13	37.05%
136.25	139.29	3.04	3.03	99.67%	2.52	82.89%
139.29	142.34	3.05	3.05	100.00%	2.61	85.57%
142.34	145.39	3.05	3.02	99.02%	2.16	70.82%
145.39	148.44	3.05	3.05	100.00%	2.28	74.75%
148.44	151.49	3.05	3.00	98.36%	1.39	45.57%
151.49	154.53	3.04	2.99	98.36%	0.98	32.24%
154.53	157.58	3.05	3.05	100.00%	1.94	63.61%
157.58	160.02	2.44	2.44	100.00%	0.75	30.74%
160.02	163.07	3.05	2.90	95.08%	0.79	25.90%
163.07	163.68	0.61	0.60	98.36%	0.33	54.10%
163.68	166.73	3.05	3.05	100.00%	1.85	60.66%
166.73	169.77	3.04	3.04	100.00%	2.21	72.70%
169.77	172.82	3.05	3.05	100.00%	2.46	80.66%
172.82	175.87	3.05	3.04	99.67%	2.54	83.28%
175.87	178.92	3.05	3.05	100.00%	2.67	87.54%
178.92	181.97	3.05	3.05	100.00%	2.26	74.10%
181.97	185.01	3.04	2.83	93.09%	1.75	57.57%
185.01	187.91	2.90	2.90	100.00%	2.43	83.79%
187.91	190.80	2.89	2.89	100.00%	2.28	78.89%
190.80	191.12	0.32	0.32	100.00%	0.18	56.25%
191.12	194.16	3.04	2.99	98.36%	2.32	76.32%
194.16	197.21	3.05	3.05	100.00%	2.51	82.30%
197.21	200.25	3.04	3.04	100.00%	2.32	76.32%
200.25	201.47	1.22	1.22	100.00%	0.39	31.97%
201.47	203.30	1.83	1.81	98.91%	1.20	65.57%
203.30	206.35	3.05	2.97	97.38%	1.64	53.77%
206.35	209.40	3.05	3.04	99.67%	1.92	62.95%
209.40	212.45	3.05	2.77	90.82%	0.95	31.15%
212.45	215.49	3.04	3.00	98.68%	1.94	63.82%
215.49	218.54	3.05	2.92	95.74%	1.87	61.31%
218.54	220.98	2.44	2.32	95.08%	1.18	48.36%
220.98	222.20	1.22	1.20	98.36%	0.00	0.00%
222.20	224.64	2.44	2.44	100.00%	0.70	28.69%
224.64	226.77	2.13	2.13	100.00%	0.30	14.08%
226.77	230.73	3.96	3.61	91.16%	0.96	24.24%
230.73	233.78	3.05	3.05	100.00%	2.00	65.57%
233.78	236.83	3.05	3.05	100.00%	1.54	50.49%

GEOTECHNICAL RECORD
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PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS
HOLE NUMBER : TCU93-58

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
236.83	238.05	1.22	1.22	100.00%	0.26	21.31%
238.05	239.88	1.83	1.74	95.08%	0.48	26.23%
239.88	242.93	3.05	2.97	97.38%	0.94	30.82%
242.93	244.75	1.82	1.80	98.90%	0.67	36.81%
244.75	245.97	1.22	1.22	100.00%	0.77	63.11%
245.97	249.02	3.05	3.00	98.36%	0.85	27.87%
249.02	250.85	1.83	1.78	97.27%	0.77	42.08%
250.85	253.29	2.44	2.12	86.89%	0.51	20.90%
253.29	255.12	1.83	1.83	100.00%	0.44	24.04%
255.12	258.17	3.05	3.05	100.00%	1.24	40.66%
258.17	259.69	1.52	1.52	100.00%	0.53	34.87%
259.69	261.21	1.52	1.52	100.00%	0.78	51.32%
261.21	264.26	3.05	2.85	93.44%	1.36	44.59%
264.26	267.31	3.05	3.05	100.00%	1.70	55.74%
267.31	270.36	3.05	2.89	94.75%	1.26	41.31%
270.36	273.41	3.05	2.90	95.08%	0.91	29.84%
273.41	275.23	1.82	1.80	98.90%	0.25	13.74%
275.23	276.45	1.22	1.22	100.00%	0.55	45.08%
276.45	279.50	3.05	3.05	100.00%	2.55	83.61%
279.50	281.94	2.44	2.44	100.00%	0.74	30.33%
281.94	283.16	1.22	1.19	97.54%	0.32	26.23%
283.16	284.38	1.22	1.18	96.72%	0.23	18.85%
284.38	287.27	2.89	2.80	96.89%	1.50	51.90%
287.27	287.88	0.61	0.48	78.69%	0.00	0.00%
287.88	290.93	3.05	2.99	98.03%	1.84	60.33%
290.93	293.52	2.59	2.59	100.00%	1.04	40.15%
293.52	294.74	1.22	1.15	94.26%	0.66	54.10%
294.74	297.79	3.05	2.98	97.70%	2.10	68.85%
297.79	300.84	3.05	3.04	99.67%	2.30	75.41%
300.84	301.45	0.61	0.53	86.89%	0.15	24.59%
301.45	303.88	2.43	2.43	100.00%	0.58	23.87%
303.88	306.93	3.05	3.05	100.00%	2.15	70.49%
306.93	309.98	3.05	3.02	99.02%	2.12	69.51%
309.98	312.12	2.14	2.14	100.00%	1.88	87.85%
312.12	315.16	3.04	3.04	100.00%	2.50	82.24%
315.16	316.08	0.92	0.92	100.00%	0.43	46.74%
316.08	319.13	3.05	2.95	96.72%	1.66	54.43%
319.13	322.17	3.04	3.00	98.68%	1.62	53.29%
322.17	325.22	3.05	3.04	99.67%	2.44	80.00%
325.22	328.27	3.05	3.05	100.00%	2.34	76.72%
328.27	331.32	3.05	3.02	99.02%	1.60	52.46%
331.32	334.37	3.05	3.00	98.36%	2.22	72.79%
334.37	337.41	3.04	3.04	100.00%	0.85	27.96%
337.41	340.46	3.05	2.93	96.07%	0.90	29.51%

GEOTECHNICAL RECORD

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PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-58

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
340.46	343.51	3.05	3.05	100.00%	1.80	59.02%
343.51	346.56	3.05	3.05	100.00%	1.02	33.44%
346.56	349.61	3.05	3.05	100.00%	1.85	60.66%
349.61	352.65	3.04	3.04	100.00%	2.46	80.92%
352.65	355.70	3.05	3.05	100.00%	1.96	64.26%
355.70	358.75	3.05	3.05	100.00%	2.46	80.66%
358.75	361.80	3.05	3.05	100.00%	2.78	91.15%
361.80	364.85	3.05	2.99	98.03%	2.34	76.72%
364.85	367.89	3.04	3.00	98.68%	2.11	69.41%
367.89	370.94	3.05	2.98	97.70%	1.69	55.41%
370.94	373.08	2.14	1.97	92.06%	0.89	41.59%
373.08	375.21	2.13	2.04	95.77%	0.50	23.47%
375.21	378.87	3.66	3.40	92.90%	1.84	50.27%
378.87	380.09	1.22	1.00	81.97%	0.17	13.93%
380.09	383.13	3.04	3.04	100.00%	2.35	77.30%
383.13	386.18	3.05	3.04	99.67%	2.44	80.00%
386.18	389.23	3.05	3.05	100.00%	2.17	71.15%
389.23	391.67	2.44	2.44	100.00%	1.80	73.77%
391.67	394.72	3.05	3.05	100.00%	2.45	80.33%
394.72	397.76	3.04	3.04	100.00%	2.51	82.57%
397.76	400.81	3.05	3.05	100.00%	2.37	77.70%
400.81	401.42	0.61	0.61	100.00%	0.39	63.93%
401.42	404.47	3.05	3.05	100.00%	2.35	77.05%
404.47	407.52	3.05	3.05	100.00%	2.11	69.18%
407.52	410.57	3.05	3.05	100.00%	2.16	70.82%
410.57	413.61	3.04	3.04	100.00%	2.69	88.49%
413.61	416.66	3.05	3.05	100.00%	2.39	78.36%
416.66	417.88	1.22	1.22	100.00%	0.90	73.77%
417.88	419.71	1.83	1.83	100.00%	0.91	49.73%
419.71	422.76	3.05	3.05	100.00%	2.64	86.56%
422.76	425.81	3.05	3.05	100.00%	2.28	74.75%
425.81	428.85	3.04	3.04	100.00%	2.17	71.38%
428.85	431.90	3.05	3.05	100.00%	2.41	79.02%
431.90	434.95	3.05	3.05	100.00%	2.52	82.62%
434.95	438.00	3.05	3.05	100.00%	2.30	75.41%
438.00	441.05	3.05	3.05	100.00%	2.54	83.28%
441.05	444.09	3.04	3.04	100.00%	2.21	72.70%
444.09	447.14	3.05	3.05	100.00%	2.48	81.31%
447.14	450.19	3.05	3.05	100.00%	2.50	81.97%
450.19	453.24	3.05	3.05	100.00%	2.32	76.07%
453.24	456.28	3.04	3.04	100.00%	2.30	75.66%
456.28	458.72	2.44	2.31	94.67%	0.15	6.15%
458.72	460.55	1.83	1.83	100.00%	0.24	13.11%
460.55	462.38	1.83	1.83	100.00%	1.49	81.42%

GEOTECHNICAL RECORD

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PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-58

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.

462.38	465.42	3.04	3.04	100.00%	2.19	72.04%
465.42	468.48	3.06	3.06	100.00%	1.80	58.82%
468.48	471.53	3.05	3.05	100.00%	1.95	63.93%
471.53	474.57	3.04	3.04	100.00%	1.97	64.80%
474.57	477.62	3.05	3.05	100.00%	2.40	78.69%
477.62	480.67	3.05	3.05	100.00%	2.39	78.36%
480.67	483.41	2.74	2.74	100.00%	2.38	86.86%
483.41	486.46	3.05	3.05	100.00%	2.73	89.51%
486.46	489.51	3.05	3.05	100.00%	1.50	49.18%
489.51	492.56	3.05	3.05	100.00%	2.48	81.31%
492.56	495.60	3.04	3.04	100.00%	2.51	82.57%
495.60	498.65	3.05	3.05	100.00%	2.01	65.90%
498.65	501.70	3.05	3.05	100.00%	2.46	80.66%
501.70	504.90	3.20	3.15	98.44%	2.76	86.25%
504.90	508.10	3.20	3.20	100.00%	2.77	86.56%
508.10	511.15	3.05	3.05	100.00%	2.47	80.98%
511.15	514.20	3.05	3.05	100.00%	2.47	80.98%
514.20	517.25	3.05	3.05	100.00%	2.14	70.16%
517.25	519.68	2.43	2.43	100.00%	1.32	54.32%
519.68	523.34	3.66	3.66	100.00%	2.34	63.93%
523.34	526.39	3.05	3.05	100.00%	2.60	85.25%
526.39	528.22	1.83	1.83	100.00%	1.56	85.25%
528.22	531.27	3.05	3.05	100.00%	2.74	89.84%
531.27	534.62	3.35	3.35	100.00%	2.57	76.72%
534.62	537.67	3.05	3.05	100.00%	2.43	79.67%
537.67	538.43	0.76	0.76	100.00%	0.47	61.84%
538.43	541.63	3.20	3.20	100.00%	2.12	66.25%
541.63	544.67	3.04	3.04	100.00%	1.63	53.62%
544.67	547.72	3.05	2.76	90.49%	1.08	35.41%
547.72	552.91	5.19	5.19	100.00%	3.75	72.25%
552.91	555.96	3.05	3.05	100.00%	2.86	93.77%
555.96	556.87	0.91	0.91	100.00%	0.88	96.70%
556.87	559.92	3.05	3.05	100.00%	2.59	84.92%
559.92	562.97	3.05	3.05	100.00%	2.83	92.79%
562.97	566.01	3.04	3.04	100.00%	2.69	88.49%
566.01	569.06	3.05	3.05	100.00%	2.35	77.05%
569.06	572.11	3.05	3.05	100.00%	2.18	71.48%
572.11	575.16	3.05	3.05	100.00%	2.40	78.69%
575.16	578.21	3.05	3.05	100.00%	2.56	83.93%
578.21	581.25	3.04	3.04	100.00%	2.75	90.46%
581.25	584.30	3.05	3.05	100.00%	2.58	84.59%
584.30	587.35	3.05	3.05	100.00%	2.36	77.38%
587.35	590.40	3.05	3.05	100.00%	2.45	80.33%
590.40	593.45	3.05	3.05	100.00%	2.15	70.49%

GEOTECHNICAL RECORD

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PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-58

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
593.45	596.49	3.04	3.04	100.00%	1.77	58.22%
596.49	599.54	3.05	3.05	100.00%	2.54	83.28%

599.54	602.59	3.05	3.05	100.00%	2.51	82.30%
602.59	605.64	3.05	3.05	100.00%	2.02	66.23%
605.64	608.69	3.05	3.05	100.00%	2.47	80.98%
608.69	611.73	3.04	3.04	100.00%	2.56	84.21%
611.73	614.78	3.05	3.05	100.00%	2.37	77.70%
614.78	617.83	3.05	3.05	100.00%	1.81	59.34%
617.83	620.88	3.05	3.05	100.00%	2.26	74.10%
620.88	623.93	3.05	3.05	100.00%	2.72	89.18%
623.93	626.97	3.04	3.04	100.00%	2.18	71.71%
626.97	630.02	3.05	3.05	100.00%	2.27	74.43%
630.02	633.07	3.05	2.99	98.03%	2.26	74.10%
633.07	636.12	3.05	2.97	97.38%	2.32	76.07%
636.12	638.56	2.44	2.44	100.00%	2.06	84.43%
638.56	EOH			98.62%		64.82%

Hole No: TCU93-59
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.31
(metres) E: 10663.25

Azimuth: 195.6
Dip: -65.4
Length (m): 533.40
Elevation: 113.82
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Diamond Drilling Limited
Started: Aug. 25, 1993
Completed: September 1, 1993
Recovery:

Date Logged: Aug. 27 - Sept. 1, 1993
Logged By: K.M. Curtis/G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 8:54am

DOWN HOLE SURVEY TESTS:

Depth (m)	Azimuth	Dip
0.0	195.6	-65.4
3.0	195.7	-65.3
5.9	195.9	-65.2
8.9	196.1	-65.1
11.9	196.3	-65.1
14.8	196.5	-65.0
17.8	196.7	-64.9
20.7	196.7	-64.9
23.7	196.9	-64.8
26.7	197.0	-64.7
29.6	197.2	-64.8
32.6	197.4	-64.7
35.5	197.6	-64.6
38.5	197.8	-64.6
41.5	198.0	-64.7
44.4	198.1	-64.7
47.4	198.3	-64.7
50.3	198.3	-64.7
53.3	198.5	-64.7
56.3	198.7	-64.6
59.2	198.7	-64.6
62.2	198.7	-64.6
65.2	198.9	-64.6
68.1	199.1	-64.5
71.1	199.1	-64.5
74.1	199.1	-64.5
77.0	199.1	-64.5
80.0	199.3	-64.4
82.9	199.4	-64.5
85.9	199.6	-64.5
88.9	199.8	-64.5
91.8	200.0	-64.5
94.8	200.2	-64.6
97.7	200.4	-64.6
100.7	200.4	-64.6
103.7	200.5	-64.6
106.6	200.7	-64.6
109.6	200.9	-64.5
112.6	200.9	-64.5
115.5	201.1	-64.5
118.5	201.3	-64.5
121.4	201.4	-64.5
124.4	201.6	-64.6
127.4	201.8	-64.7
130.3	201.8	-64.7
133.3	202.0	-64.6
136.3	202.2	-64.5
139.2	202.4	-64.4
142.2	202.4	-64.4
145.1	202.6	-64.3
148.1	202.7	-64.2
151.1	202.9	-64.2
154.0	203.1	-64.2
157.0	203.1	-64.2
159.9	203.1	-64.3
162.9	203.1	-64.3
165.9	203.1	-64.3
168.8	203.1	-64.3
171.8	203.1	-64.2
174.8	203.1	-64.1
177.7	203.1	-64.1
180.7	203.3	-64.0
183.6	203.4	-63.9
186.6	203.6	-63.8
189.6	203.8	-63.8
192.5	204.0	-63.9
195.5	204.2	-63.8
198.4	204.4	-63.8
201.4	204.5	-63.9
204.4	204.7	-63.8
207.3	204.9	-63.8
210.3	204.9	-63.8
213.3	205.1	-63.7
216.2	205.2	-63.7
219.2	205.2	-63.7
222.1	205.2	-63.7
225.1	205.4	-63.6
228.1	205.6	-63.6
231.0	205.9	-63.6
234.0	206.1	-63.6
236.9	206.3	-63.7
239.9	206.5	-63.7
242.9	206.7	-63.8
245.8	206.8	-63.8
248.8	207.0	-63.7
251.8	207.0	-63.7
254.7	207.2	-63.7
257.7	207.4	-63.6
260.6	207.6	-63.5
263.6	207.7	-63.4
266.6	207.9	-63.4
269.5	208.1	-63.4
272.5	208.1	-63.5
275.5	208.1	-63.5
278.4	208.1	-63.5
281.4	208.3	-63.6
284.3	208.4	-63.6
287.3	208.6	-63.5
290.3	209.0	-63.4
293.2	209.0	-63.4
296.2	209.1	-63.3
299.1	209.3	-63.3
302.1	209.5	-63.4
305.1	209.5	-63.5
308.0	209.5	-63.5
311.0	209.7	-63.4
314.0	209.7	-63.3
316.9	209.7	-63.3
319.9	209.8	-63.2
322.9	209.8	-63.2
325.8	210.0	-63.2
328.8	210.0	-63.2
331.7	210.2	-63.2
334.7	210.2	-63.2
337.7	210.4	-63.3
340.6	210.4	-63.1
343.6	210.4	-63.1
346.5	210.4	-63.0
349.5	210.4	-63.0
352.5	210.5	-62.9
355.4	210.7	-62.8
358.4	210.9	-62.7
361.4	211.2	-62.7
364.3	211.4	-62.7
367.3	211.6	-62.6
370.2	211.6	-62.6
373.2	211.6	-62.7
376.2	211.6	-62.7
379.1	211.6	-62.7
382.1	211.6	-62.7
385.0	211.6	-62.7
388.0	211.8	-62.7
391.0	211.9	-62.8
393.9	212.1	-62.7
396.9	212.1	-62.7
399.9	212.1	-62.7
402.8	212.1	-62.7
405.8	212.3	-62.7
408.7	212.4	-62.7
411.7	212.6	-62.8
414.7	212.8	-62.8
417.6	212.9	-62.9
420.6	212.9	-62.9
423.5	213.1	-62.9
426.5	213.1	-62.9
429.5	213.3	-62.9
432.4	213.5	-62.9
435.4	213.6	-62.8
438.4	213.8	-62.8
441.3	214.0	-62.7
444.3	214.2	-62.7
447.3	214.3	-62.6
450.2	214.5	-62.5
453.2	214.7	-62.5
456.1	214.7	-62.4
459.1	214.9	-62.3
462.1	214.9	-62.3
465.0	214.9	-62.3
468.0	214.9	-62.4
470.9	214.9	-62.5
473.9	214.9	-62.5
476.9	214.9	-62.6
479.8	215.0	-62.7
482.8	215.0	-62.7
485.8	215.0	-62.7
488.7	215.0	-62.7
491.7	215.0	-62.7
494.6	215.2	-62.6
497.6	215.2	-62.7
500.6	215.4	-62.7
503.5	215.5	-62.7
506.5	215.5	-62.8
509.5	215.7	-62.8
512.4	215.7	-62.8
515.4	215.9	-62.8
518.3	216.1	-62.8
521.3	216.1	-62.8
524.3	216.1	-62.8

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	.85	CASING										
.85	23.50	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, maroon and greyish green, hematitic, feldspar (euhedral, <2mm) phyric, fine grained to aphanitic dacite flow. Rare qtz eyes (<1mm). Vein types include: white bull qtz. (<5cm thick, mainly 70-80 degrees to CA) and chlorite + epidote + garnet (<4mm thick, randomly orientated) with silica+albite envelopes. Lower contact faulted.										
23.50	25.50	FAULT										
25.50	28.96	DACITE LAPILLI TUFF; (HEMATITE) Layered, dark green and maroon, hematitic, propylitically altered dacite lapilli tuff. Lapilli are 4cm in diameter, subangular, matrix and clast supported, aligned and mainly homolithic. Unit may represent a mass flow deposit. Layering at 0-10 degrees to CA. Lower contact not observed -broken core.										
28.96	39.45	DACITE FLOWS; (HEMATITE) Massive, greyish green and maroon, feldspar (<2mm, subhedral) phyric, fine grained to aphanitic, dacite flow and flow breccia. Breccia clasts are <10 cm diameter, subrounded, and selectively silica ± albite (?) altered. Matrix is dark green and chloritic. Chlorite ± epidote microfractures (<2mm) with silica ± albite envelopes (<1cm) to pervasive zones where fracture density is higher. Lower contact sharp @ 20° to CA.										
39.45	78.45	DACITE LAPILLI TUFF; (HEMATITE) Massive to faintly layered, greyish green with maroon tinge, propylitically altered (chlorite ± epidote ± sericite), feldspar (<2mm, subhedral) phyric in part, heterolithic dacite lapilli tuff. Lapilli are <6cm diameter, subangular to subrounded, and often selectively silica ± albite (?) altered. Chlorite + epidote fractures (<5mm) with silica ± albite envelopes (<5mm). Layered intervals @ 35 - 50° to CA. Lower contact sharp @ 45° to CA. 49.87 49.95 BASALTIC INTRUSION; Massive, dark green to black, fine grained to aphanitic, mafic dyke @ 60° to CA. 73.60 74.00 BASALTIC INTRUSION; Numerous mafic dykelets (<6cm) similar to 49.87 - 49.95 metres; quenched margins (3mm).										
78.45	80.17	BASALTIC INTRUSION; Massive, dark green, fine grained to aphanitic, mafic sill/dyke; amphibole (<1mm) phyric in part. Disseminated fine grained and veinlets (<5mm) of magnetite. Quartz ± chlorite fractures (<1cm, randomly orientated). Lower contact @ 45° to CA.										
80.17	85.21	DACITE LAPILLI TUFF; (HEMATITE)										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Similar to 39.4 - 78.45 metres. Lower contact @ 60° to CA. 80.60 80.72 BASALTIC INTRUSION; Similar to 78.45 - 80.17 metres. Upper and lower contacts @ 70° to CA. 80.87 81.19 BASALTIC INTRUSION; Similar to 78.45 - 80.17 metres. Upper and lower contact @ 50° to CA.										
85.21	164.55	BASALTIC INTRUSION; Massive, dark greenish black, amphibole (<1mm) phyric, fine grained to aphanitic, mafic intrusion; weakly magnetic. Faint hairline fractures with pale green silica envelopes (<2mm). Lower contact sharp @ 45° to CA. 96.43 96.70 Quartz + magnetite fractures (<1cm) with epidote envelopes. 131.00 131.65 Chlorite fractured and broken core. 139.50 139.75 FAULT Quartz + calcite vein in clay fault gouge (10cm) @ low angle to CA. 140.80 141.15 Quartz + calcite ± chlorite healed brecciated BIN @ 40° to CA.										
164.55	175.50	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, maroon, hematitic, feldspar (<2mm, euhedral) ± quartz phyric, aphanitic dacite flow. Chlorite ± epidote ± magnetite fractures (<3mm) with silica ± albite envelopes (<5mm). Lower contact sharp @ 45° to CA.										
175.50	185.16	FELDSPAR PHYRIC DACITE FLOW BRECCIA; Massive, light to dark greyish green, feldspar (<2mm, euhedral) ± quartz (1mm) phyric, dacite flow breccia to lapilli tuff. Lapilli vary from <1 to 3cm, subangular to subrounded, and are often selectively silica ± albite altered; matrix is darker green, chlorite ± sericite ± epidote altered. Minor chlorite + epidote ± garnet fractures with silica envelopes (<3cm). Disseminated medium to coarse grained euhedral pyrite (<1%). Lower contact sharp @ 50° to CA.										
185.16	187.48	VOLCANIC SEDIMENTS; (PROPYLITIC) Faintly layered, dark green with maroon tinge, propylitically altered, closely packed, feldspar crystal and lithic clast mass flow (?). Feldspar crystals (<2mm, broken, sub - euhedral) are selectively epidote altered; lithic clasts are <1cm diameter, subangular, matrix supported and often hematitic. Matrix is dark green and chloritic. Faint layering @ 45° to CA. Weak foliation @ low angles to CA. Lower contact sharp and irregular.										
187.48	189.26	DACITE LAPILLI TUFF; (SILICIFICATION) Massive, grey and white, strongly silicified, mainly homolithic dacite lapilli tuff. Lapilli are <1cm to 6cm diameter, subangular to subrounded, matrix supported and consist mainly of white, silicified, feldspar (<2mm) and quartz (<1mm) phyric dacite clasts. Matrix is silica + pyrite (3%) altered ash to lapilli size clasts. Rare pyrite clasts (<1cm) or replaced volcanic fragments. Lower contact sharp and irregular.										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
189.26	189.90	VOLCANIC SEDIMENTS; (PROPYLITIC) Similar to 185.15 to 187.48 metres. Hematite replacing medium grain euhedral pyrite. Lower contact sharp and irregular.										
189.90	192.25	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Similar to 164.55 - 175.50 metres. Both contacts flow brecciated @ 50 - 60° to CA.										
192.25	200.00	VOLCANIC SEDIMENTS; (PROPYLITIC) Similar to 185.16 - 187.48 metres. Occasional breccia size clast of feldspar phyric dacite flow. Layering @ 60° to CA. Lower contact gradational over 50cm.										
200.00	202.54	FELDSPAR PHYRIC DACITE FLOW BRECCIA; Massive, greyish green and dark green with maroon tinge, feldspar (<3mm, subhedral to euhedral) and quartz (<1mm) phyric, fine grained to aphanitic dacite flow breccia. Breccia clasts are light greyish green, <10 cm diameter, subrounded, and selectively silica ± albite (?) altered. Matrix is dark green and chloritic. Chlorite ± epidote veins (<1cm) with silica ± albite (?) envelopes (<1cm). Lower contact sharp @ 50° to CA.										
202.54	204.30	BASALTIC INTRUSION; Massive, dark green, amphibole (?, <2mm, sub-euhedral) phyric, fine grained mafic dyke. Chilled upper and lower contact (5cm); lower contact sharp @ 50° to CA.										
204.30	221.25	FELDSPAR PHYRIC DACITE FLOW BRECCIA; Similar to 200.00 - 202.54 metres; lower contact gradational over 50cm.										
221.25	247.00	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Flow banded, maroon (hematitic), feldspar (<2mm, sub-euhedral) and quartz (<1mm) phyric aphanitic dacite flow. Quartz + chlorite + epidote ± garnet ± magnetite fractures (randomly orientated, <1cm) and microfractures (<1mm). Flow banding @ 30 - 40° to CA. Lower contact gradational over 20 cm.										
247.00	251.10	FELDSPAR PHYRIC DACITE FLOWS; Similar to 221.25-247.00m, however not hematitic. Lower contact at 40 degrees to CA. Faint flow banding at 30 degrees to CA.										
251.10	272.87	DACITE LAPILLI TUFF; (CHLORITIZATION) Massive to faintly layered light and dark green with a maroon tinge, chloritic heterolithic dacite lapilli tuff. Lapilli are mainly dark, brownish green, chlorite and biotite altered clasts (< 1cm diameter, angular, clast supported) with a lesser amount of larger breccia size volcanic clasts (<30cm diameter, subrounded) of feldspar and quartz phyric dacite. Unit appears to be mass flow in origin selectively silica										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		and albite altered; faint layering at 40 degrees to CA Lower contact is irregular. 267.750 268.000 FAULT Silica cemented fault breccia. Breccia clasts are <1cm, chlorite and epidote altered, at 30 degrees to CA.										
272.87	281.70	DACITE FLOWS; (CHLORITIZATION) Massive, dark and light greyish green, feldspar (<3mm, subhedral-euhedral) plus quartz (1mm) phyric dacite flow (or sub-volcanic sill ?) Chlorite +/- epidote fractures (<4mm, randomly orientated) with silica +/- albite envelopes (<1cm) to pervasive zones (<0.50m) where fracture density is higher. Lower contact chlorite + silica + albite (?) vein (< 10cm at 50 degrees to CA).										
281.70	291.36	DACITE LAPILLI TUFF; (CHLORITIZATION) (CORDIERITE) Layered, dark green, chlorite altered dacite (?) lapilli tuff; lapilli and matrix are feldspar crystal rich (<3mm, sub-euhedral, selectively epidote altered). Cordierite (3mm to 6mm) increases from 1-3% at top of interval to 20% at base. Lower contact gradational with unit below.	68541	290.12	291.36	1.24					
291.36	295.66	DACITE LAPILLI TUFF; (SILICIFICATION) (SERICITIZATION) Strongly silicified dacite lapilli tuff distinguished from the previous interval by a marked change from brown biotitic matrix to silica sericite altered matrix and by absence of cordierite. Fragments are 0.5cm to 3cm in diameter, subangular and felsic composition. Pervasive leucoxene decreases towards the bottom of the unit. 292.40 293.40 Minor dark brown sphalerite is observed in wispy accretions, chalcopyrite (trace) is disseminated in matrix and is seen in a 2cm sub-angular fragment.	68542 68543 68544 68545	291.36 292.36 293.27 294.27	292.36 293.27 294.27 295.66	1.00 .91 1.00 1.39					
295.66	297.65	ALTERED FACIES; (SERICITIZATION) (CORDIERITE) Dark grey homogenous matrix with 5-10% (3-6mm) cordierite porphyroblasts and 5% leucoxene (1-2mm). Matrix is sericite (60%) + silica (20%) altered with 5-7% fine grained pyrite as disseminations and accretions. 296.90 297.65 30% cordierite.	68546 68547	295.66 296.66	296.66 297.65	1.00 .99					
297.65	300.35	ALTERED FACIES; (SILICIFICATION) (SERICITIZATION) (DISSEMINATED SPHALERITE) A weakly mineralized section denoted from the above by the absence of cordierite and leucoxene with an increase in silica alteration (30-40%) Total sulphide content is approx. 15%; CPY trace to 2%, fg dark brown SPH trace to 2%, PY dissem. And banded up to 10%. A weak clastic fabric is faintly preserved.	68548 68549 68550	297.65 298.65 299.65	298.65 299.65 300.35	1.00 1.00 .70	.58 1.34	19.20 44.20	.16 .26	.36 .54	2.73 2.50
300.35	312.20	ALTERED FACIES; (SILICIFICATION) (CORDIERITE) (DISSEMINATED PYRITE) Strongly silicified interval with mottled to clastic white silica (50%) with pale green to grey sericite interstices (10-15%). Pyrite content notably decreased from previous section (to 5%). Cordierite occurs in sericitic intervals and comprises 10-15% of the total. Leucoxene occurs	68551 68552 68553 68554	300.35 301.35 304.50 305.50	301.35 302.35 305.50 306.50	1.00 1.00 1.00 1.00					

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		as pervasive disseminations (2-3%).	68555	306.50	307.50	1.00						
		300.35 301.75 DACITE LAPILLI TUFF; Cherty clasts (0.5-1cm) are sub-angular	68556	307.50	308.50	1.00						
			68557	308.50	309.50	1.00						
			68558	309.50	310.50	1.00						
			68559	310.50	311.50	1.00						
			68560	311.50	312.20	.70						
312.20	329.63	ALTERED FACIES; (SERICITIZATION) (CORDIERITE) (DISSEMINATED PYRITE)										
		A highly sericitized (>75%) green, translucent interval with cordierite (<1cm) porphyroblasts over 10-25% of total section. Top of interval is intensely hydrothermally altered with no primary textures evident. Leucoxene occurs as pervasive disseminations, 2-3%. Silica content is lower (1-5%) with a slight increase towards the bottom of the interval.	68561	312.20	313.20	1.00						
			68562	313.20	314.20	1.00						
			68563	314.20	315.20	1.00						
			68564	315.20	316.20	1.00						
			68565	316.20	317.20	1.00						
		314.34 316.70 20-25% fine banded PY.	68566	328.63	329.63	1.00						
		317.20 319.40 Bleached and silica altered.										
329.63	332.83	CHERT FACIES; (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE)										
		60-70% White silica-altered volcanic or chert with disseminated sulphides. Chert(?) is massive and absent of phenocrysts. Sulphides consisting of pyrite, galena, chalcopyrite and specularite account for 10-20% of matrix with a remaining 10% pale green sericite. Both upper and lower contacts are sharp.	68567	329.63	330.63	1.00	2.33	30.90	3.01	.02	.51	
			68568	330.63	331.63	1.00						
			68569	331.63	332.83	1.20						
		329.63 329.73 Coarse pyrite, galena, chalcopyrite and hematite.										
332.83	336.80	PYRITE FACIES; (MASSIVE PYRITE) (DISSEMINATED SPHALERITE)										
		Massive to semi-massive (50-80%), fine to medium grained pyrite with interstitial white 'chert'. Banding at 20° to CA Trace to 1% sphalerite at 333.73 -333.83m.	68570	332.83	333.83	1.00						
			68571	333.83	334.83	1.00						
			68572	334.83	335.83	1.00						
		336.50 336.80 (Massive pyrite) Coarse to medium grained.	68573	335.83	336.80	.97	1.75	19.90	1.13	.02	.18	
336.80	343.72	ALTERED FACIES; (SERICITIZATION) (CORDIERITE)										
		A return to cordierite rich alteration. Up to 30% (3-6mm) cord. Porphyroblasts in a sericitic matrix. Sericite equals 40-60% of matrix with white silica comprising 10-25%. Pervasive leucoxene is present as buff coloured specs for 5-10% of matrix.	68574	336.80	337.30	.50						
		338.40 339.50 10-15% fine grained biotite in matrix.										
343.72	358.20	ALTERED FACIES; (SILICIFICATION) (SERICITIZATION)										
		Well banded 40-70% white chert or silica-altered volcanic in a massive, grey, weakly phyric matrix. Silica bands (2-5cm) at 10-20 degrees to CA. Pyrite is fine grained, disseminated and occurs in matrix from trace to 5%.										
		353.11 358.20 Strongly fractured and broken core.										
		355.30 355.70 FAULT Gouge at 0 degrees to CA.										
358.20	371.80	ALTERED FACIES; (SILICIFICATION) (CORDIERITE) (DISSEMINATED SPHALERITE)										
		A more massive section (not fractured) of cordierite rich alteration.	68575	364.00	365.00	1.00						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		Leucoxene is absent. Some fragmental textures are present but protolith is uncertain (could be tectonic fabric). Overall a dark grey colour with spots or mottles from cordierite. 364.10 366.80 Pyrite increases to 15% as blebs or fg porphyroblasts. 366.80 367.50 Trace to 2% brown sphalerite. 368.40 Trace fuchsite.	68576	365.00	365.80	.80						
			68577	365.80	366.70	.90						
			68578	366.70	367.47	.77						
371.80	381.58	PYRITE FACIES; (SERICITIZATION) (DISSEMINATED SPHALERITE) A grey relatively homogenous pyritic section comprised of >60% fine grained pyrite and 20-30% sericite. Section is differentiated from the above by the absence of 'chert' and cordierite. Well banded or foliated at 5 to 20° to CA. 371.80 373.20 Trace to 2% leucoxene. 375.10 375.70 1% dark brown sphalerite porphyroblasts. Dark grey colour of section due to extremely fine grained pyrite. Transitional contact to:.	68579	373.40	374.40	1.00						
			68580	374.40	375.40	1.00						
			68581	375.40	375.90	.50						
			68582	375.90	376.90	1.00						
			68583	376.90	377.80	.90						
			68584	377.80	378.80	1.00						
			68585	378.80	379.80	1.00						
381.58	411.80	BASALT LAPILLI TUFF - AMYGDALOIDAL; (SILICIFICATION) (SERICITIZATION) (DISSEMINATED SPHALERITE) A notable decrease in pyrite content (<20%) with an increase in matrix silica. Overall a light grey colour with 20-25% matrix sericite. A marked loss of cordierite and leucoxene. Primary textures include amygdales (to 1cm) which are qtz. Filled (389.0 - 392.5m) and minor phenocrysts (qtz after feldspar). Brown sphalerite is present from trace to 1% in small aggregates from 2mm to 0.5cm. 399.360 411.800 Increase in biotite background with small 2mm stretched cordierite to 20%. 401.51 402.91 Py, Cpy, Sph; massive coarse grained pyrite with 1-2% f.g. Cpy, 1-2% dark brown sphalerite. Weakly banded at 45 degrees to CA. 409.75 Banding sub-parallel to foliation at 25 degrees to CA.	68586	381.58	382.68	1.10						
			68587	382.68	384.18	1.50	.14	5.80	.28	.01	1.92	
			68588	384.18	385.68	1.50						
			68589	385.68	386.82	1.14						
			68590	386.82	388.32	1.50						
			68591	388.32	389.67	1.35						
			68592	389.67	391.17	1.50						
			68593	391.17	392.47	1.30						
			68594	392.47	393.97	1.50						
			68595	393.97	395.32	1.35						
			68596	395.32	396.72	1.40						
			68597	396.72	398.16	1.44						
			68598	398.16	399.66	1.50						
			68599	399.66	400.81	1.15						
			68600	400.81	401.51	.70						
			68601	401.51	402.91	1.40	.86	22.30	2.08	.05	2.93	
			68602	402.91	403.76	.85						
			68603	403.76	405.26	1.50						
			68604	405.26	406.42	1.16						
			68605	406.42	407.92	1.50						
			68606	407.92	409.30	1.38						
			68607	409.30	410.70	1.40						
			68608	410.70	411.80	1.10						
411.80	426.00	BASALT LAPILLI TUFF - AMYGDALOIDAL; (CORDIERITE) (BIOTITIZATION) A cordierite rich section with 30-60% porphyroblastic (6mm to 1cm) oblate cordierite in a biotite - sericite matrix. Large (1cm) qtz-pyrite filled amygdales are common throughout (10-25%). A transitional upper contact	68609	411.80	413.60	1.80						
			68610	413.60	415.10	1.50						
			68611	415.10	416.60	1.50						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Interval (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		(20 degrees to CA) and lower (60 degrees to C.A) with a gradual decrease in cordierite size (to 1-3mm) at the lower contact. Pyrite, from 5-15%, occurs as fine bands, porphyroblasts and disseminations throughout section. CPY - trace at 412.3 SPH - trace at 411.8.	68612	416.60	418.10	1.50						
			68613	418.10	419.00	.90						
			68614	419.00	419.40	.40						
			68615	419.40	420.40	1.00						
			68616	420.40	422.00	1.60						
			68617	422.00	423.60	1.60						
			68618	423.60	425.10	1.50						
			68619	425.10	426.60	1.50						
426.00	444.89	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (CORDIERITE) A more massive section of phyric, grainy mafic intrusive (?) or ash tuff. Moderate cordierite over 10-20cm intervals with pervasive chlorite in the matrix (>25%) giving the section an overall dark green colour. No distinctive bedding is apparent, with a well developed foliation at 45 degrees to CA Minor pervasive alteration as selvages to brittle fractures. Basal contact is transitional to:.										
444.89	459.73	BASALT UNDIFFERENTIATED; (CHLORITIZATION) (CORDIERITE) A less chloritic, increasingly cordieritic section (30-40%). Section is still fairly massive with little primary fabric. Weak foliation at 60-70 degrees to CA. Section is weakly pyritic (3-5%) with fg disseminations and bands. 447.33 447.63 BASALTIC INTRUSION; Medium grained with chilled margins Intense biotite cordierite alteration with an absence of primary fabric. Cordierite is pinkish, 3-7mm, rounded, and present in 40-55% of the total interval. Matrix is strongly biotitic (>35%) giving the section a dark brown colour. Pyrite(10-20%) occurs as fine bands and wisps (2-5mm) throughout. Bottom contact is gradational into lower unit.										
459.73	472.92	ALTERED FACIES; (CORDIERITE) (BIOTITIZATION) (DISSEMINATED PYRITE)										
			68620	462.13	463.50	1.37						
			68621	463.50	465.00	1.50						
			68622	465.00	466.39	1.39						
			68623	466.39	467.89	1.50						
			68624	467.89	469.23	1.34						
472.92	488.15	PYRITE FACIES; (SERICITIZATION) (SILICIFICATION) 465.73 467.93 CPY, 1-2% in crosscutting stringers. An overall grey, homogenous matrix consisting of 25-55% fine grained pyrite. Some 10-20 cm intervals of brecciated 'chert'. Banding at 30 degrees to CA. Sericite accounts for 20-30% of total and defines a weak to moderate foliation. A total absence of cordierite-biotite in this section. 481.48 481.68 BASALT DYKE; 40% cordierite + biotite in BDY (?).	68625	472.92	474.62	1.70						
			68626	474.62	476.12	1.50						
			68627	476.12	477.62	1.50						
			68628	477.62	478.78	1.16						
			68629	478.78	480.28	1.50						
			68630	480.28	481.48	1.20						
			68631	481.48	483.18	1.70						
			68632	483.18	484.63	1.45						
			68633	484.63	486.18	1.55						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
			68634	486.18	488.15	1.97						
488.15	507.40	DACITE LAPILLI TUFF; (BIOTITIZATION) (SERICITIZATION) Gradational contact from preceding unit. Angular siliceous to mafic fragments in an open biotitic matrix. Fragments range from 1cm to 6cm in size and have a distinctive amygdaloidal texture. Pyrite accounts for 3-7% of matrix. Pyrite is porphyroblastic. 501.10 502.50 DACITE FLOWS; (?) Porphyritic, massive feldspar rich unit with sharp contacts at 45 degrees to CA. 506.10 Foliation at 30 degrees to CA. Transitional contact to:.										
507.40	517.23	BASALT LAPILLI TUFF - AMYGDALOIDAL; Massive, dark green, amygdaloidal basalt with a weak biotitic matrix. Amygdales (1mm to 3mm) are quartz replaced.										
517.23	525.67	SLOKO RHYOLITE DYKE; Typical banded, quartz-phyric Sloko dyke.										
525.67	532.90	ALTERED FACIES; (BIOTITIZATION) (SERICITIZATION) (DISSEMINATED PYRITE) A well foliated, biotitic (25%), sericitic (30%), and pyritic unit (30% F.G., banded) with a lack of cordierite. Banding at 45 degrees to CA.										
532.90	533.40	BASALT LAPILLI TUFF - AMYGDALOIDAL; Stretched amygdales in a massive mafic matrix. Foliation at 45 degrees to CA.										
533.40		EOH										

Hole No: TCU93-59
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.31
(metres) E: 10663.25

Azimuth: 195.6
Dip: -65.4
Length (m): 533.40
Elevation: 113.82
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Diamond Drilling Limited
Started: Aug. 25, 1993
Completed: September 1, 1993
Recovery:

Date Logged: Aug. 27 - Sept. 1, 1993
Logged By: K.M. Curtis/G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
8:54am

Sample No.	From (m)	To (m)	Inter-val (m)	SG	Au g/T	Ag g/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
68541	290.12	291.36	1.24								14	.3	26	7	146	2.17	9	0	2	114
68542	291.36	292.36	1.00								35	1.3	123	52	925	2.26	13	4	2	43
68543	292.36	293.27	.91								100	6.7	581	626	6770	2.40	39	26	4	30
68544	293.27	294.27	1.00								79	3.4	166	278	1182	1.73	27	4	4	51
68545	294.27	295.66	1.39								300	8.2	216	532	3426	2.56	69	12	10	31
68546	295.66	296.66	1.00								95	2.1	48	41	101	3.06	78	0	12	29
68547	296.66	297.65	.99	2.81							67	2.5	36	38	188	3.81	76	0	6	27
68548	297.65	298.65	1.00	2.91	.58	19.20	.16	.36	2.73		330	21.6	1600	3527	26122	4.17	42	123	7	24
68549	298.65	299.65	1.00	2.88	1.34	44.20	.26	.54	2.50		850	41.9	2635	5343	24041	4.41	52	80	25	30
68550	299.65	300.35	.70	2.81							330	11.2	548	1206	4702	2.98	53	15	10	39
68551	300.35	301.35	1.00								47	1.0	38	63	252	1.63	59	1	2	70
68552	301.35	302.35	1.00								45	1.9	77	203	776	3.82	55	3	2	27
68553	304.50	305.50	1.00								40	1.2	74	19	127	3.08	39	0	2	33
68554	305.50	306.50	1.00								46	1.4	106	17	101	4.18	48	0	3	24
68555	306.50	307.50	1.00								48	.3	31	6	30	2.74	28	0	2	97
68556	307.50	308.50	1.00								51	.6	34	4	33	2.37	37	0	2	118
68557	308.50	309.50	1.00								74	1.5	69	12	30	3.06	78	0	2	92
68558	309.50	310.50	1.00								52	1.5	48	11	25	2.35	60	0	2	105
68559	310.50	311.50	1.00								70	2.1	54	30	38	3.59	43	0	2	69
68560	311.50	312.20	.70								90	3.1	84	37	53	3.99	89	0	2	72
68561	312.20	313.20	1.00								130	7.1	277	74	178	5.23	141	1	9	68
68562	313.20	314.20	1.00								280	9.7	372	73	156	5.64	112	0	9	86
68563	314.20	315.20	1.00								120	3.3	111	26	106	17.26	61	0	2	60
68564	315.20	316.20	1.00								97	4.1	207	32	148	9.77	102	0	2	66
68565	316.20	317.20	1.00								120	3.6	79	42	56	3.99	81	0	7	104
68566	328.63	329.63	1.00								280	.4	60	42	88	1.91	47	0	4	189
68567	329.63	330.63	1.00		2.33	30.90	3.01	.02	.51		1460	25.8	27153	153	5180	3.25	11447	22	677	50
68568	330.63	331.63	1.00								310	6.1	3592	24	266	4.44	1515	1	74	36
68569	331.63	332.83	1.20								510	9.1	6795	47	751	3.80	2575	4	152	62
68570	332.83	333.83	1.00								150	2.3	1517	71	334	13.82	671	1	37	43
68571	333.83	334.83	1.00									5.5	3529	78	786	14.92	1460	3	84	39
68572	334.83	335.83	1.00								140	4.3	1473	128	158	12.65	613	0	36	51

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68573	335.83	336.80	.97		1.75	19.90	1.13	.02	.18	1260	13.2	7477	171	1413	17.12	2874	5	178	37
68574	336.80	337.30	.50							210	7.1	4009	50	914	7.12	458	5	38	67
68575	364.00	365.00	1.00							26	.7	105	16	91	3.69	56	0	5	68
68576	365.00	365.80	.80							25	1.3	113	21	157	3.39	73	0	4	77
68577	365.80	366.70	.90							31	.8	253	27	278	4.30	100	1	4	69
68578	366.70	367.47	.77							35	1.7	794	23	2038	4.41	106	9	5	63
68579	373.40	374.40	1.00							66	4.3	261	37	143	8.41	166	0	6	40
68580	374.40	375.40	1.00							32	1.0	177	59	1449	9.60	154	6	6	31
68581	375.40	375.90	.50							75	2.9	629	36	9432	10.37	257	41	21	36
68582	375.90	376.90	1.00							45	.5	171	74	1829	9.98	96	7	6	32
68583	376.90	377.80	.90							230	5.8	1544	162	228	12.55	594	1	54	27
68584	377.80	378.80	1.00							36	.7	299	57	56	9.62	132	0	11	37
68585	378.80	379.80	1.00							42	1.1	372	67	45	10.88	195	0	16	26
68586	381.58	382.68	1.10							72	3.3	391	251	1440	5.04	117	6	3	62
68587	382.68	384.18	1.50		.14	5.80	.28	.01	1.92	110	4.8	2692	109	16651	6.50	114	82	3	101
68588	384.18	385.68	1.50							59	1.3	831	17	1980	7.04	55	8	2	190
68589	385.68	386.82	1.14							140	14.5	747	73	3396	10.55	108	16	2	49
68590	386.82	388.32	1.50							110	9.4	239	466	1270	6.61	96	5	2	51
68591	388.32	389.67	1.35							120	5.9	214	1107	1918	4.87	79	7	4	64
68592	389.67	391.17	1.50							120	3.6	474	162	2711	5.59	95	10	2	45
68593	391.17	392.47	1.30							140	1.0	701	77	1321	6.02	146	5	2	49
68594	392.47	393.97	1.50							210	6.1	215	91	3042	9.46	87	14	2	57
68595	393.97	395.32	1.35							110	2.7	219	110	2139	7.84	73	7	3	58
68596	395.32	396.72	1.40							59	1.3	376	55	5580	7.07	79	22	4	94
68597	396.72	398.16	1.44							47	1.8	368	959	3570	7.91	101	13	8	70
68598	398.16	399.66	1.50							32	.6	131	63	624	6.21	90	1	2	71
68599	399.66	400.81	1.15							46	.7	151	35	638	7.32	116	2	2	76
68600	400.81	401.51	.70							32	.4	204	57	1195	9.27	100	5	6	86
68601	401.51	402.91	1.40		.86	22.30	2.08	.05	2.93	730	13.9	19654	324	23057	20.86	2891	107	743	19
68602	402.91	403.76	.85							79	.8	1153	78	792	6.89	142	3	35	40
68603	403.76	405.26	1.50							20	.6	198	81	935	7.61	66	3	7	83
68604	405.26	406.42	1.16							24	.6	152	89	223	8.41	49	0	5	69
68605	406.42	407.92	1.50							23	.5	131	68	420	6.19	39	1	5	59
68606	407.92	409.30	1.38							30	1.6	146	667	447	8.08	44	1	6	60
68607	409.30	410.70	1.40							27	.5	82	58	175	6.79	31	0	4	76
68608	410.70	411.80	1.10							120	2.5	648	399	1430	9.10	43	6	5	43
68609	411.80	413.60	1.80							20	.4	58	127	453	7.37	68	0	2	75
68610	413.60	415.10	1.50							28	.3	88	39	199	6.38	41	0	2	57
68611	415.10	416.60	1.50							39	.5	283	35	223	6.64	50	0	2	74
68612	416.60	418.10	1.50							42	.9	462	26	207	7.22	22	0	2	55
68613	418.10	419.00	.90							10	.2	38	39	209	7.22	47	0	2	57
68614	419.00	419.40	.40							58	1.4	219	374	129	18.96	14	0	2	24
68615	419.40	420.40	1.00							19	.4	81	41	128	6.73	14	0	2	69
68616	420.40	422.00	1.60							11	.1	74	21	122	6.24	16	0	2	44
68617	422.00	423.60	1.60							10	.2	49	23	81	5.60	23	0	2	74
68618	423.60	425.10	1.50							14	.4	91	62	114	9.10	40	0	2	40
68619	425.10	426.60	1.50							44	1.0	761	56	292	7.69	42	0	2	97

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68620	462.13	463.50	1.37							49	1.5	715	37	264	7.71	43	0	2	50
68621	463.50	465.00	1.50							120	2.6	1955	35	329	7.85	37	0	2	59
68622	465.00	466.39	1.39							180	5.0	5994	139	435	9.90	123	0	2	59
68623	466.39	467.89	1.50							52	1.8	2333	61	367	9.51	57	0	2	90
68624	467.89	469.23	1.34							48	1.2	610	174	258	6.45	41	0	2	108
68625	472.92	474.62	1.70							79	6.3	301	81	71	12.52	78	0	8	23
68626	474.62	476.12	1.50							96	8.5	121	103	35	14.15	103	0	8	18
68627	476.12	477.62	1.50							160	5.7	98	97	41	6.67	131	0	4	28
68628	477.62	478.78	1.16							370	6.1	263	132	77	11.36	221	0	11	20
68629	478.78	480.28	1.50							44	1.2	179	70	67	11.69	196	0	4	20
68630	480.28	481.48	1.20							82	3.2	246	158	492	16.60	148	1	3	12
68631	481.48	483.18	1.70							41	2.1	56	100	252	16.88	92	0	2	14
68632	483.18	484.63	1.45							46	1.5	57	68	585	16.82	98	1	2	10
68633	484.63	486.18	1.55							19	.7	47	20	395	8.41	66	1	2	17
68634	486.18	488.15	1.97							34	1.0	201	44	1026	16.82	156	3	3	15

Hole No: TCU93-59
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15374.31
(metres) E: 10663.25

Azimuth: 195.6
Dip: -65.4
Length (m): 533.40
Elevation: 113.82
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: F. Boisvenu Diamond Drilling Limited
Started: Aug. 25, 1993
Completed: September 1, 1993
Recovery:

Date Logged: Aug. 27 - Sept. 1, 1993
Logged By: K.M. Curtis/G.L. Dawson
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994 8:53am

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68541	290.12	291.36	1.24	2	5	6	260	5	2	33	2	5	.28	5	22	1.81	.05	2	1
68542	291.36	292.36	1.00	3	6	4	153	5	2	20	2	2	.18	6	6	1.09	.02	2	1
68543	292.36	293.27	.91	7	4	5	97	5	2	69	2	2	.37	2	5	.62	.01	2	1
68544	293.27	294.27	1.00	2	4	5	105	5	3	60	2	2	.35	5	11	.63	.01	2	1
68545	294.27	295.66	1.39	7	6	6	85	5	2	27	2	2	.53	3	8	.37	.01	2	1
68546	295.66	296.66	1.00	3	4	5	53	5	2	35	2	2	.46	4	4	.22	.01	2	1
68547	296.66	297.65	.99	3	4	5	92	5	2	20	2	2	.36	3	14	.77	.01	2	1
68548	297.65	298.65	1.00	6	8	4	115	5	2	52	2	2	.28	2	7	.55	.01	2	1
68549	298.65	299.65	1.00	5	7	5	135	7	2	38	2	2	.36	2	4	.90	.01	2	1
68550	299.65	300.35	.70	3	8	5	151	5	2	32	2	2	.45	2	17	1.46	.02	2	1
68551	300.35	301.35	1.00	4	4	2	82	5	2	13	2	2	.13	4	5	.67	.01	2	1
68552	301.35	302.35	1.00	5	3	3	161	5	2	14	2	2	.21	3	7	2.02	.01	2	1
68553	304.50	305.50	1.00	4	15	12	182	8	2	14	2	7	.22	2	19	2.09	.01	2	1
68554	305.50	306.50	1.00	2	14	8	206	5	2	8	2	15	.14	2	6	3.09	.02	2	5
68555	306.50	307.50	1.00	2	3	4	93	5	2	7	2	6	.12	2	4	1.53	.01	3	2
68556	307.50	308.50	1.00	2	5	4	91	5	3	13	2	5	.21	3	5	1.25	.01	3	2
68557	308.50	309.50	1.00	4	7	6	64	5	4	10	2	2	.16	3	4	.39	.01	3	1
68558	309.50	310.50	1.00	2	6	5	34	5	3	7	2	2	.09	2	3	.13	.01	2	1
68559	310.50	311.50	1.00	4	27	15	30	5	3	5	2	2	.05	3	3	.09	.01	2	1
68560	311.50	312.20	.70	6	24	15	43	5	3	9	2	2	.16	2	2	.16	.01	2	1
68561	312.20	313.20	1.00	8	6	9	107	5	2	9	7	2	.14	2	1	.53	.01	3	1
68562	313.20	314.20	1.00	7	3	4	182	5	2	17	5	2	.18	2	3	2.43	.01	5	1
68563	314.20	315.20	1.00	10	2	7	248	5	2	9	5	5	.19	2	4	3.81	.01	4	1
68564	315.20	316.20	1.00	8	7	6	243	5	2	7	5	2	.14	2	2	4.64	.02	3	1
68565	316.20	317.20	1.00	8	4	5	100	5	2	12	4	2	.19	2	3	1.99	.01	2	1
68566	328.63	329.63	1.00	6	6	3	189	5	2	16	2	9	.29	2	10	3.28	.02	2	1
68567	329.63	330.63	1.00	2	6	1	91	5	2	6	3	5	.09	2	5	.79	.01	2	1
68568	330.63	331.63	1.00	4	6	1	48	5	2	5	2	2	.07	2	5	.24	.01	2	1
68569	331.63	332.83	1.20	6	11	2	51	5	2	5	2	3	.08	2	3	.17	.01	2	2
68570	332.83	333.83	1.00	13	5	4	12	5	2	3	2	2	.05	2	2	.10	.01	3	1
68571	333.83	334.83	1.00	21	10	4	24	5	2	3	2	2	.05	2	3	.08	.01	2	
68572	334.83	335.83	1.00	7	9	3	44	5	2	5	2	2	.07	2	1	.11	.01	2	1

Sample No.	From (m)	To (m)	Interval (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68573	335.83	336.80	.97	10	17	4	22	5	2	5	4	2	.08	2	3	.11	.01	4	1
68574	336.80	337.30	.50	5	30	6	49	5	3	7	4	4	.10	2	23	.36	.01	2	1
68575	364.00	365.00	1.00	4	4	5	150	5	2	4	2	3	.11	4	4	.73	.01	2	1
68576	365.00	365.80	.80	4	5	10	158	5	2	4	2	8	.16	3	4	.66	.01	2	1
68577	365.80	366.70	.90	1	6	13	107	5	2	4	2	9	.16	3	5	.46	.01	2	1
68578	366.70	367.47	.77	1	5	9	59	5	2	4	2	2	.20	4	3	.15	.01	2	1
68579	373.40	374.40	1.00	1	18	35	49	5	2	4	2	15	.20	2	5	.05	.01	2	1
68580	374.40	375.40	1.00	4	20	33	51	5	2	3	2	14	.11	2	5	.06	.01	2	1
68581	375.40	375.90	.50	2	15	36	64	5	2	3	2	13	.18	2	4	.06	.01	3	1
68582	375.90	376.90	1.00	1	18	33	55	5	2	3	2	13	.12	2	5	.07	.01	2	1
68583	376.90	377.80	.90	2	18	33	30	5	2	3	2	11	.11	2	4	.06	.01	4	1
68584	377.80	378.80	1.00	2	14	32	25	5	2	3	2	11	.11	2	5	.05	.01	2	1
68585	378.80	379.80	1.00	1	14	36	31	5	2	3	2	12	.04	2	4	.04	.01	2	1
68586	381.58	382.68	1.10	6	13	21	122	5	2	15	2	18	.43	2	6	.35	.01	2	1
68587	382.68	384.18	1.50	9	16	29	201	5	2	16	4	22	.44	2	4	.39	.01	2	1
68588	384.18	385.68	1.50	1	10	21	294	5	2	26	2	21	.59	2	7	.42	.02	2	1
68589	385.68	386.82	1.14	6	12	26	171	5	2	16	2	13	.50	2	4	.18	.01	3	1
68590	386.82	388.32	1.50	10	11	21	104	5	2	11	2	14	.43	2	4	.13	.01	2	1
68591	388.32	389.67	1.35	6	14	19	136	5	2	12	3	16	.48	2	8	.19	.01	2	2
68592	389.67	391.17	1.50	7	16	34	106	5	2	25	2	13	.40	2	3	.13	.01	3	1
68593	391.17	392.47	1.30	1	9	23	140	5	2	10	2	15	.50	2	5	.17	.01	2	1
68594	392.47	393.97	1.50	17	26	46	123	5	2	7	2	18	.42	2	5	.15	.02	3	1
68595	393.97	395.32	1.35	8	20	33	113	5	2	7	2	19	.34	2	4	.18	.01	2	1
68596	395.32	396.72	1.40	4	11	28	133	5	2	8	2	22	.37	2	5	.26	.01	2	1
68597	396.72	398.16	1.44	3	12	28	158	5	2	13	2	20	.52	2	5	.31	.01	3	1
68598	398.16	399.66	1.50	1	11	25	689	5	2	7	2	44	.45	2	8	1.87	.07	2	1
68599	399.66	400.81	1.15	1	10	25	491	5	2	9	2	37	.51	2	10	1.35	.04	2	1
68600	400.81	401.51	.70	3	13	29	229	5	2	13	2	27	.45	2	9	.47	.02	3	1
68601	401.51	402.91	1.40	3	5	5	191	5	2	6	8	8	.19	2	4	.11	.01	3	1
68602	402.91	403.76	.85	10	8	19	75	5	2	9	2	15	.31	2	5	.16	.01	2	1
68603	403.76	405.26	1.50	2	12	28	96	5	2	12	2	20	.43	2	5	.27	.03	4	1
68604	405.26	406.42	1.16	1	10	26	171	5	2	8	2	22	.32	2	6	.55	.02	4	1
68605	406.42	407.92	1.50	3	16	31	296	5	2	14	2	29	.32	2	8	.86	.02	3	1
68606	407.92	409.30	1.38	1	14	32	549	5	2	8	2	37	.38	2	7	1.62	.05	4	1
68607	409.30	410.70	1.40	2	10	25	635	5	2	19	2	51	.79	2	12	1.90	.06	3	1
68608	410.70	411.80	1.10	3	11	31	701	5	2	7	2	61	.28	2	12	2.37	.08	5	1
68609	411.80	413.60	1.80	1	13	30	823	5	2	8	2	108	.32	2	20	3.33	.12	4	1
68610	413.60	415.10	1.50	2	14	32	897	5	2	9	2	128	.30	2	21	3.43	.12	2	1
68611	415.10	416.60	1.50	2	11	29	890	5	2	8	2	156	.36	2	23	3.99	.15	3	1
68612	416.60	418.10	1.50	1	11	31	996	5	2	6	2	171	.27	2	26	4.03	.15	3	1
68613	418.10	419.00	.90	2	12	28	832	5	2	6	2	125	.24	2	21	3.69	.13	3	1
68614	419.00	419.40	.40	2	8	26	656	5	2	4	2	51	.13	2	13	2.12	.07	5	1
68615	419.40	420.40	1.00	1	15	31	758	5	2	8	2	91	.28	2	17	2.74	.11	5	1
68616	420.40	422.00	1.60	2	12	25	867	5	2	11	2	99	.32	2	17	2.73	.12	3	2
68617	422.00	423.60	1.60	1	10	24	597	5	2	12	2	65	.39	2	15	1.80	.08	3	1
68618	423.60	425.10	1.50	2	15	27	846	5	2	11	2	78	.29	2	16	2.40	.10	5	1
68619	425.10	426.60	1.50	1	16	27	1045	5	2	17	2	79	.58	2	19	2.57	.12	3	1

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68620	462.13	463.50	1.37	1	21	29	971	5	2	16	2	73	.41	2	28	2.12	.09	3	1
68621	463.50	465.00	1.50	1	14	20	1434	5	2	23	2	120	.57	2	33	3.13	.18	5	1
68622	465.00	466.39	1.39	1	13	28	1995	5	2	7	2	160	.28	2	24	4.55	.20	5	1
68623	466.39	467.89	1.50	1	13	24	2038	5	2	7	2	166	.31	2	27	5.15	.21	3	1
68624	467.89	469.23	1.34	1	15	21	1306	5	2	24	2	109	.72	2	21	2.79	.16	2	2
68625	472.92	474.62	1.70	1	27	29	256	5	2	5	2	15	.21	2	8	.41	.02	3	1
68626	474.62	476.12	1.50	1	19	27	147	5	2	3	2	9	.23	2	7	.16	.01	5	1
68627	476.12	477.62	1.50	1	21	26	113	5	2	4	2	11	.19	2	6	.18	.01	2	1
68628	477.62	478.78	1.16	2	39	33	122	5	2	4	2	10	.22	2	8	.20	.01	3	1
68629	478.78	480.28	1.50	3	17	22	187	5	2	3	2	12	.22	2	10	.28	.01	3	1
68630	480.28	481.48	1.20	4	13	16	94	5	2	2	2	5	.09	2	6	.11	.01	3	1
68631	481.48	483.18	1.70	4	9	10	71	5	2	3	2	2	.06	2	4	.06	.01	4	1
68632	483.18	484.63	1.45	3	7	8	32	5	2	2	2	2	.04	2	2	.04	.01	4	1
68633	484.63	486.18	1.55	8	3	1	28	5	2	2	2	2	.03	3	4	.03	.01	2	1
68634	486.18	488.15	1.97	12	11	10	32	5	2	2	5	2	.05	2	2	.05	.01	3	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-59

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	1.22	1.22	0.32	26.23%	0.00	0.00%
1.22	2.44	1.22	0.79	64.75%	0.31	25.41%
2.44	4.27	1.83	1.76	96.17%	0.78	42.62%
4.27	5.79	1.52	1.35	88.82%	0.24	15.79%
5.79	7.16	1.37	1.30	94.89%	0.27	19.71%
7.16	9.14	1.98	1.96	98.99%	1.23	62.12%
9.14	11.89	2.75	2.75	100.00%	1.40	50.91%
11.89	14.94	3.05	3.05	100.00%	1.36	44.59%
14.94	16.92	1.98	1.80	90.91%	0.47	23.74%
16.92	17.37	0.45	0.45	100.00%	0.15	33.33%
17.37	18.29	0.92	0.92	100.00%	0.66	71.74%
18.29	21.34	3.05	3.05	100.00%	0.41	13.44%
21.34	23.16	1.82	1.82	100.00%	0.99	54.40%
23.16	24.38	1.22	0.50	40.98%	0.00	0.00%
24.38	25.30	0.92	0.54	58.70%	0.00	0.00%
25.30	28.04	2.74	2.74	100.00%	1.39	50.73%
28.04	28.96	0.92	0.92	100.00%	0.17	18.48%
28.96	32.00	3.04	3.04	100.00%	2.23	73.36%
32.00	35.05	3.05	3.05	100.00%	2.54	83.28%
35.05	36.58	1.53	1.50	98.04%	1.23	80.39%
36.58	39.62	3.04	3.04	100.00%	2.53	83.22%
39.62	42.67	3.05	2.97	97.38%	2.64	86.56%
42.67	45.72	3.05	3.02	99.02%	2.43	79.67%
45.72	48.77	3.05	3.02	99.02%	2.40	78.69%
48.77	51.82	3.05	2.99	98.03%	2.51	82.30%
51.82	54.86	3.04	3.04	100.00%	2.18	71.71%
54.86	57.91	3.05	3.01	98.69%	2.23	73.11%
57.91	60.96	3.05	3.05	100.00%	2.66	87.21%
60.96	64.00	3.04	2.99	98.36%	2.43	79.93%
64.00	67.06	3.06	3.01	98.37%	1.69	55.23%
67.06	70.10	3.04	3.04	100.00%	1.88	61.84%
70.10	73.15	3.05	3.05	100.00%	2.09	68.52%
73.15	76.20	3.05	3.05	100.00%	2.13	69.84%
76.20	79.25	3.05	2.94	96.39%	1.89	61.97%
79.25	82.30	3.05	3.05	100.00%	1.83	60.00%
82.30	85.35	3.05	3.05	100.00%	1.86	60.98%
85.35	88.39	3.04	3.04	100.00%	2.56	84.21%
88.39	91.44	3.05	2.90	95.08%	2.40	78.69%
91.44	94.49	3.05	3.05	100.00%	2.33	76.39%
94.49	97.54	3.05	3.05	100.00%	2.41	79.02%
97.54	100.58	3.04	3.04	100.00%	2.39	78.62%
100.58	103.63	3.05	3.05	100.00%	2.56	83.93%
103.63	106.68	3.05	3.05	100.00%	2.52	82.62%
106.68	109.73	3.05	3.05	100.00%	2.57	84.26%
109.73	112.78	3.05	3.05	100.00%	2.43	79.67%
112.78	115.82	3.04	3.04	100.00%	2.39	78.62%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-59

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
115.82	118.87	3.05	3.05	100.00%	2.30	75.41%
118.87	121.92	3.05	3.05	100.00%	2.52	82.62%
121.92	124.97	3.05	3.05	100.00%	2.31	75.74%
124.97	128.02	3.05	3.05	100.00%	2.77	90.82%
128.02	131.06	3.04	2.79	91.78%	1.90	62.50%
131.06	134.11	3.05	2.90	95.08%	1.61	52.79%
134.11	137.16	3.05	2.88	94.43%	1.40	45.90%
137.16	139.75	2.59	2.50	96.53%	0.95	36.68%
139.75	142.80	3.05	3.05	100.00%	0.75	24.59%
142.80	145.85	3.05	3.05	100.00%	1.91	62.62%
145.85	149.05	3.20	3.20	100.00%	2.32	72.50%
149.05	152.10	3.05	3.05	100.00%	2.27	74.43%
152.10	155.45	3.35	3.12	93.13%	1.57	46.87%
155.45	158.50	3.05	3.05	100.00%	2.32	76.07%
158.50	161.54	3.04	2.98	98.03%	2.15	70.72%
161.54	163.07	1.53	1.53	100.00%	0.72	47.06%
163.07	164.59	1.52	1.35	88.82%	0.80	52.63%
164.59	167.64	3.05	3.03	99.34%	2.02	66.23%
167.64	170.69	3.05	3.05	100.00%	2.53	82.95%
170.69	173.74	3.05	3.03	99.34%	1.43	46.89%
173.74	176.78	3.04	3.02	99.34%	1.89	62.17%
176.78	179.83	3.05	2.95	96.72%	1.79	58.69%
179.83	182.88	3.05	3.05	100.00%	2.59	84.92%
182.88	185.93	3.05	3.05	100.00%	2.36	77.38%
185.93	188.98	3.05	3.05	100.00%	2.67	87.54%
188.98	192.02	3.04	3.03	99.67%	1.53	50.33%
192.02	195.07	3.05	3.00	98.36%	1.86	60.98%
195.07	198.12	3.05	3.05	100.00%	2.22	72.79%
198.12	201.17	3.05	3.05	100.00%	2.43	79.67%
201.17	204.22	3.05	3.00	98.36%	2.47	80.98%
204.22	207.26	3.04	3.04	100.00%	2.75	90.46%
207.26	210.31	3.05	3.04	99.67%	2.20	72.13%
210.31	213.36	3.05	3.00	98.36%	2.16	70.82%
213.36	216.41	3.05	3.05	100.00%	2.23	73.11%
216.41	219.46	3.05	3.00	98.36%	2.36	77.38%
219.46	222.50	3.04	2.98	98.03%	1.64	53.95%
222.50	225.55	3.05	2.93	96.07%	1.73	56.72%
225.55	228.60	3.05	3.05	100.00%	1.54	50.49%
228.60	231.65	3.05	2.98	97.70%	1.55	50.82%
231.65	234.70	3.05	3.04	99.67%	1.68	55.08%
234.70	237.74	3.04	3.00	98.68%	1.87	61.51%
237.74	240.80	3.06	3.06	100.00%	2.66	86.93%
240.80	243.84	3.04	3.04	100.00%	2.28	75.00%
243.84	246.89	3.05	3.05	100.00%	1.34	43.93%
246.89	249.94	3.05	3.05	100.00%	2.15	70.49%
249.94	252.07	2.13	2.13	100.00%	1.16	54.46%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-59

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
252.07	255.12	3.05	3.05	100.00%	2.02	66.23%
255.12	258.17	3.05	3.05	100.00%	1.97	64.59%
258.17	261.21	3.04	3.04	100.00%	1.51	49.67%
261.21	264.41	3.20	3.20	100.00%	2.04	63.75%
264.41	267.46	3.05	2.05	67.21%	1.94	63.61%
267.46	271.27	3.81	3.60	94.49%	1.77	46.46%
271.27	274.32	3.05	3.05	100.00%	2.51	82.30%
274.32	277.37	3.05	3.05	100.00%	2.46	80.66%
277.37	280.42	3.05	3.05	100.00%	2.13	69.84%
280.42	283.46	3.04	3.04	100.00%	1.91	62.83%
283.46	286.51	3.05	3.05	100.00%	1.75	57.38%
286.51	289.56	3.05	3.05	100.00%	2.53	82.95%
289.56	292.61	3.05	3.05	100.00%	2.91	95.41%
292.61	294.74	2.13	2.13	100.00%	1.01	47.42%
294.74	295.66	0.92	0.92	100.00%	0.46	50.00%
295.66	298.70	3.04	3.04	100.00%	2.43	79.93%
298.70	301.75	3.05	3.05	100.00%	2.42	79.34%
301.75	304.80	3.05	3.05	100.00%	2.60	85.25%
304.80	307.85	3.05	3.05	100.00%	2.34	76.72%
307.85	310.90	3.05	3.05	100.00%	2.72	89.18%
310.90	313.94	3.04	3.04	100.00%	1.84	60.53%
313.94	317.00	3.06	3.06	100.00%	2.68	87.58%
317.00	320.04	3.04	3.04	100.00%	2.09	68.75%
320.04	323.09	3.05	3.05	100.00%	2.27	74.43%
323.09	326.14	3.05	3.05	100.00%	2.44	80.00%
326.14	329.18	3.04	3.04	100.00%	2.37	77.96%
329.18	332.23	3.05	3.05	100.00%	2.40	78.69%
332.23	335.28	3.05	3.05	100.00%	2.24	73.44%
335.28	338.33	3.05	3.05	100.00%	2.52	82.62%
338.33	341.38	3.05	3.05	100.00%	1.74	57.05%
341.38	344.42	3.04	3.04	100.00%	2.50	82.24%
344.42	347.47	3.05	3.05	100.00%	2.40	78.69%
347.47	350.52	3.05	3.05	100.00%	2.35	77.05%
350.52	351.43	0.91	0.91	100.00%	0.16	17.58%
351.43	353.11	1.68	1.53	91.07%	0.75	44.64%
353.11	356.16	3.05	2.24	73.44%	0.20	6.56%
356.16	357.53	1.37	1.37	100.00%	0.38	27.74%
357.53	358.14	0.61	0.61	100.00%	0.00	0.00%
358.14	360.73	2.59	2.52	97.30%	1.08	41.70%
360.73	363.93	3.20	3.20	100.00%	1.40	43.75%
363.93	366.37	2.44	2.44	100.00%	1.90	77.87%
366.37	368.20	1.83	1.64	89.62%	0.75	40.98%
368.20	369.72	1.52	1.52	100.00%	0.00	0.00%
369.72	371.86	2.14	2.12	99.07%	1.38	64.49%
371.86	374.60	2.74	2.62	95.62%	1.37	50.00%
374.60	377.34	2.74	2.74	100.00%	1.92	70.07%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-59

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
377.34	380.09	2.75	2.75	100.00%	1.65	60.00%
380.09	382.68	2.59	2.59	100.00%	0.85	32.82%
382.68	385.72	3.04	3.04	100.00%	1.92	63.16%
385.72	388.77	3.05	3.05	100.00%	2.70	88.52%
388.77	391.97	3.20	3.20	100.00%	2.51	78.44%
391.97	395.02	3.05	3.05	100.00%	2.17	71.15%
395.02	397.76	2.74	2.74	100.00%	1.62	59.12%
397.76	400.81	3.05	3.05	100.00%	2.96	97.05%
400.81	403.86	3.05	3.05	100.00%	2.16	70.82%
403.86	406.00	2.14	2.14	100.00%	0.73	34.11%
406.00	408.89	2.89	2.89	100.00%	2.78	96.19%
408.89	411.94	3.05	3.05	100.00%	2.24	73.44%
411.94	415.14	3.20	3.20	100.00%	2.11	65.94%
415.14	418.19	3.05	3.05	100.00%	2.41	79.02%
418.19	421.23	3.04	3.04	100.00%	2.32	76.32%
421.23	423.67	2.44	2.43	99.59%	1.76	72.13%
423.67	426.72	3.05	3.01	98.69%	2.02	66.23%
426.72	429.31	2.59	2.45	94.59%	1.41	54.44%
429.31	430.99	1.68	1.50	89.29%	1.04	61.90%
430.99	434.04	3.05	2.96	97.05%	1.46	47.87%
434.04	434.49	0.45	0.45	100.00%	0.15	33.33%
434.49	437.39	2.90	2.60	89.66%	1.86	64.14%
437.39	440.74	3.35	3.31	98.81%	1.84	54.93%
440.74	443.79	3.05	3.04	99.67%	2.59	84.92%
443.79	446.23	2.44	2.39	97.95%	1.69	69.26%
446.23	449.28	3.05	3.05	100.00%	2.60	85.25%
449.28	452.32	3.04	3.04	100.00%	1.98	65.13%
452.32	454.15	1.83	1.83	100.00%	1.07	58.47%
454.15	457.20	3.05	3.05	100.00%	2.50	81.97%
457.20	460.25	3.05	3.05	100.00%	2.80	91.80%
460.25	463.30	3.05	3.05	100.00%	2.72	89.18%
463.30	465.73	2.43	2.41	99.18%	1.48	60.91%
465.73	468.93	3.20	3.20	100.00%	2.50	78.13%
468.93	471.98	3.05	3.05	100.00%	2.66	87.21%
471.98	475.18	3.20	3.13	97.81%	2.84	88.75%
475.18	478.38	3.20	3.10	96.88%	2.75	85.94%
478.38	481.58	3.20	3.02	94.38%	2.54	79.38%
481.58	484.63	3.05	3.05	100.00%	2.44	80.00%
484.63	487.68	3.05	3.05	100.00%	2.82	92.46%
487.68	490.73	3.05	3.05	100.00%	2.79	91.48%
490.73	493.78	3.05	3.05	100.00%	2.57	84.26%
493.78	496.82	3.04	3.04	100.00%	2.43	79.93%
496.82	499.87	3.05	3.05	100.00%	1.92	62.95%
499.87	502.92	3.05	3.05	100.00%	1.70	55.74%
502.92	505.97	3.05	3.05	100.00%	2.33	76.39%
505.97	509.02	3.05	3.05	100.00%	2.63	86.23%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER :TCU93-59

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
509.02	512.06	3.04	3.04	100.00%	2.53	83.22%
512.06	515.11	3.05	3.05	100.00%	2.13	69.84%
515.11	518.16	3.05	3.05	100.00%	2.28	74.75%
518.16	520.90	2.74	2.68	97.81%	1.17	42.70%
520.90	523.04	2.14	2.14	100.00%	1.32	61.68%
523.04	527.91	4.87	4.78	98.15%	2.98	61.19%
527.91	530.35	2.44	2.37	97.13%	2.23	91.39%
530.35	533.40	3.05	2.97	97.38%	2.32	76.07%
533.40	EOH			98.22%		67.86%

Hole No: TCU93-60
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15373.78
(metres) E: 10662.72

Azimuth: 211.9
Dip: -30.4
Length (m): 335.28
Elevation: 113.66
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: Boisvenu Diamond Drilling Ltd.
Started: September 3, 1993
Completed: September 9, 1993
Recovery:

Date Logged: Sept. 4th - 11th, 1993
Logged By: K.M. Curtis
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
10:55am

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	211.9	-30.4															

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
.00	37.90	FELDSPAR PHYRIC DACITE FLOWS; (HEMATITE) Massive, grey to maroon, feldspar phyric flow unit; possibly an intrusive unit but weak gradation in feldspar crystal size is suggestive of a high level flow. Feldspar crystals comprise about 15-20% of the total and are euhedral to subhedral (.5mm to 1mm) in size. Matrix is aphanitic with varying amounts of pervasive hematite. Qtz.-albite-chlorite stringers in fractures at random orientations have thin 2mm epidote selvages. Lower contact is sharp at 80 degrees to CA. .00 9.20 10% qtz stringers and veins at random orientations. 9.35 9.95 Bull qtz vein at 45 degrees to CA.										
37.90	120.80	BASALTIC INTRUSION; Massive, dark green, chloritic, medium grained, actinolite (after pyroxene)-phyric mafic subvolcanic intrusive. Some portions of the unit are weakly hornblende phyric. No extrusive textures observed. Alteration is restricted to weak biotite hornfelsing and silicification near lower contact. Lower contact with following unit is gradational and approximate. 37.90 42.70 FAULT Strongly fractured and broken core with extremely low recovery. 77.20 78.00 FAULT Brittle at 10 degrees to CA. 91.72 91.92 FAULT Brittle at 45 degrees to CA.										
120.80	162.59	DACITE FLOWS; (HEMATITE) Massive, maroon (hematite stained) feldspar-phyric dacite flow with same										

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		composition and texture as above (0.0 to 37.90). Pervasive hematite throughout section. Feldspar phenocrysts account for 20-25% of matrix (1-2mm). 143.56 146.30 Bleached, chloritic zone. Highly fractured blocky core.										
162.59	218.31	DACITE LAPILLI TUFF; Dominantly dacite lapilli tuffs (mass flow?) with lesser dacite flows. Matrix is variably feldspar phyric. Patchy pervasive hematite alteration Clasts vary in composition (polymict) from mafic (amygdaloidal, 1-2mm, qtz. Filled) to chert or silicified rhyolite. Size also varies from 0.5cm to 4cm - angular to subrounded. Generally matrix supported. 162.59 172.90 DACITE LAPILLI TUFF; Light green, bleached, with distinctive polymict clasts. Mafic clasts are often amygdaloidal, 5-6cm, angular, with an apple green matrix. Amygdales are round, 2-3mm, quartz filled. Felsic clasts are less abundant with a 'cherty' composition and texture (4-5cm, angular). Matrix supported with an 80:20 mafic to felsic clast ratio. 174.96 178.69 Strongly fractured and broken core with qtz. Albite stringers (1-5%). 190.50 190.80 Flow banding at 0 degrees to CA. 190.80 218.31 Felsic to mafic clast ratio increases to 60:40.										
218.31	218.65	ALTERED FACIES; (SERICITIZATION) Strongly sericite (>70%) altered, green, translucent interval. 2-3% leucoxene as fine (<0.5mm) 'laths'. Transitional upper contact with foliation 45 degrees to CA.	68690	218.50	219.20	.70	.41	46.98	.16	1.57	6.49	
218.65	219.20	PYRITE FACIES; (SERICITIZATION) (BANDED PYRITE) (DISSEMINATED SPHALERITE) Sericitically altered interval with up to 65% total sulphides. Irregular upper contact at 45 degrees to CA with a sharp, sheared basal contact at 90 degrees to CA. Pyrite dominates as fine disseminations and masses for 50% of total. Sphalerite (5%,1-3mm) occurs as pale buff coloured grains and blebs. Galena occurs as fine grained masses (not bedded) for 5% of total. Trace fg disseminated chalcopyrite.										
219.20	225.65	DACITE LAPILLI TUFF; (HEMATITE) Dark grey to green, siliceous, fragmental unit with relict quartz-feldspar phenocrysts and monomictic clasts. Similar overall to unit above at 162.59-218.31. Clasts range from 2mm to 3cm. Possibly an autobrecciated flow top. Gradational contact to:.	68691	224.33	225.65	1.32					
225.65	229.36	ALTERED EXHALITE - SULPHIDE BEARING; (SILICIFICATION) (DISSEMINATED SPHALERITE) (DISSEMINATED GALENA)	68692	225.65	226.61	.96	.17	28.12	.38	1.99	3.86	
			68693	226.61	227.51	.90	.51	81.27	.18	2.29	4.73	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
			68694	227.51	227.91	.40						
			68695	227.91	229.35	1.44	.51	61.72	.24	2.56	5.26	
229.36	231.30	DACITE LAPILLI TUFF; Approximately 25-30% disseminated to weakly banded sulphides (CPY, SPH, GN, PY) in a silica-sericite altered, weakly fragmental, cherty matrix. Galena; 2-5% fine grained associated with abundance of sphalerite. Sphalerite; 5-7% blebs and disseminations of pale yellow cliophane Chalcopyrite; 1-2% fine grained disseminations occurring with pyrite intervals. Upper contact at 20° to CA. Lower contact is sharp. Similar to previous sections above, with a gradational lower contact. 229.95 230.35 20-30% yellow sericite in both matrix and clasts.										
231.30	231.70	PYRITE FACIES; (SILICIFICATION) (BANDED PYRITE) (DISSEMINATED SPHALERITE) Approximately 60-70% semi-massive sulphides in a siliceous matrix. Non-banded. Pyrite; fine grained, 60-70% Sphalerite; >7% yellow cliophane, fine grained Chalcopyrite; 1-2% fine grained disseminated.	68696	231.30	231.70	.40	.62	34.98	.63	.09	1.17	
231.70	232.40	DACITE FLOWS; Dark grey feldspar ± quartz phyric, fg dacite flow/flow breccia. Unit contains small clasts of red hematite (<1%, 4mm, rounded). Sharp contact at 45 degrees to CA to:.										
232.40	233.10	BASALTIC INTRUSION; Fine grained, medium green mafic dyke with well foliated upper contact (sheared and quartz vein filled). Lower contact at 70° to CA shows no chill margin and is also QV filled (2cm).										
233.10	237.20	DACITE FLOWS; (SILICIFICATION) (HEMATITE) Same as 231.70 - 232.40 with a slight amount of silica flooding and increased hematitic matrix.										
237.20	238.14	BASALTIC INTRUSION; A diabase like intrusive dike, well foliated at 30 degrees to CA. Similar to (232.40 - 233.10). No chill margins.										
238.14	242.30	DACITE FLOWS; Same as above (231.70-232.40) except that hematite is weak to absent. Chlorite increases slightly towards sharp basal contact.										
242.30	243.00	ALTERED EXHALITE - SULPHIDE BEARING; (SERICITIZATION) (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE) Approximately 20-35% total sulphide content, consisting of sphalerite, chalcopyrite, galena and pyrite in a dark grey sericitic and leucoxene rich matrix. Interval is weakly banded with bands at 90 degrees to CA. Sphalerite; 5-10% variable; disseminated as blebs up to 9mm and as 1mm	68697	242.30	243.00	.70	.17	3.43	.18	.17	1.87	

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		patches. Chalcopyrite; 1-3% as disseminations and 2mm 'blebs' in more pyritic intervals. Galena; Trace to 3%, very fine grained, disseminated. Pyrite; fine grained, 20% Overall sulphide content decreases to 10-15% down section. Basal contact sharp at 70° to CA.										
243.00	246.90	DACITE LAPILLI TUFF; Dark grey to green strongly brecciated interval with 3mm to 2cm angular to sub-rounded clasts. Clasts are polymict but generally siliceous, black to grey, and occasionally weakly hematitic. Matrix is silica + chlorite altered. Fragments decrease towards the lower contact.										
246.90	250.83	DACITE FLOWS; Pale green, bleached, sericitized, feldspar-phyric dacite flow. Fairly sharp top contact at 50 degrees to CA. Feldspar phenocrysts (slightly ghosted) account for 30-40% of total section with a fine aphanitic siliceous matrix. Bleaching becomes less pervasive down hole. Faulted basal contact.										
250.83	250.93	FAULT 10 Cm fault gouge at 70 degrees to CA.										
250.93	253.48	ALTERED FACIES; (SERICITIZATION) Strongly broken, faulted sericite altered interval. Pale to dark grey colour with 10-15% fine grained matrix sericite. Leucoxene comprises 10-12% of total as disseminated 'laths'. Some weakly fragmental sections, possibly tectonic.	68698 68699	250.93 252.38	252.38 253.68	1.45 1.30						
253.48	253.68	FAULT 20 Cm fault gouge filled with sericite.										
253.68	264.05	SLOKO RHYOLITE DYKE; Well banded, pale green felsic dyke with xenoliths of wallrock. 255.90 256.47 Sericite + leucoxene rich with 10% py. 259.85 260.75 10-20% sulphides. Strongly faulted at 80 degrees to CA.	68700	259.85	260.75	.90						
264.05	268.35	ALTERED FACIES; (SERICITIZATION) (DISSEMINATED PYRITE) Pale green sericitic section with intervals (>5cm) of massive pyrite and strong leucoxene (>5%). Primary textures are obliterated. Weak banding at 50 degrees to CA (sharp). Base of section becomes increasingly siliceous with contact at 50 degrees to CA.	68701 68702 68703	265.30 266.80 267.40	266.80 267.40 268.35	1.50 .60 .95						
268.35	269.85	PYRITE FACIES; (MASSIVE PYRITE) 80 - 90% pyrite, coarse to medium grained and porphyroblastic. Possible trace chalcopyrite. Basal contact at 85 degrees to CA.	68704	268.35	269.85	1.50						
269.85	279.65	CHERT FACIES; (DISSEMINATED PYRITE) (DISSEMINATED SPHALERITE) A siliceous 'cherty' section (>70% silica), generally white to pale grey	68705	269.85	271.05	1.20						

INTERVAL (m) From:	To:	DESCRIPTION	Sample No.	From (m)	To (m)	Inter-val (m)	Au g/T	Ag g/T	Cu %	Pb %	Zn %	Field Number
		with 10 -15% disseminated pyrite and trace sphalerite. Top of interval is more pyritic (>20%) over 5-10 cm intervals. Sharp basal contact at 45 degrees to CA.	68706	271.05	272.60	1.55						
			68707	272.60	274.10	1.50						
			68708	274.10	275.45	1.35						
		278.20 278.60 FELSIC DYKE; Buff coloured late felsic dike. Contacts at 80 degrees to CA.	68709	275.45	276.95	1.50						
			68710	276.95	278.15	1.20						
279.65	335.28	BASALT LAPILLI TUFF - AMYGDALOIDAL; Typical footwall, dark grey to green mafic amygdaloidal basalt. 10% pyrite-silica filled vesicles (1mm to 4mm). Pyrite 5-10% overall as replacement in vesicles. Chalcopyrite; 1-2% disseminated from (319.4 - 323.53) occurring with quartz filled vesicles.	68711	314.94	316.44	1.50						
			68712	316.44	317.73	1.29						
			68713	317.73	319.20	1.47						
			68714	319.20	320.64	1.44						
		279.65 309.35 BASALT FLOW BRECCIA; Brecciated texture sealed with white silica. Fragments are angular and monomict (5mm to 2cm) with a closed matrix.	68715	320.64	322.14	1.50						
			68716	322.14	322.53	.39						
			68717	322.53	325.03	2.50						
		309.35 310.50 BASALTIC INTRUSION; Fine grained aphanitic mafic dyke with foliation parallel to contacts at 70 degrees to CA.										
		329.39 332.00 BASALT LAPILLI TUFF - AMYGDALOIDAL; (Silicification) QUARTZ VEIN; Silica flooding with a pyritic bull quartz vein (30cm). Bleaching of peripheral wallrock.										
335.28		EOH										

Hole No: TCU93-60
Owner: REDFERN RESOURCES LTD.
Property: Tulsequah Chief
Claim:
Co-ords: N: 15373.78
(metres) E: 10662.72

Azimuth: 211.9
Dip: -30.4
Length (m): 335.28
Elevation: 113.66
(metres)
Purpose:

Core Size: BQ
Drill Name: Connors 12HH
Contractor: Boisvenu Diamond Drilling Ltd.
Started: September 3, 1993
Completed: September 9, 1993
Recovery:

Date Logged: Sept. 4th - 11th, 1993
Logged By: K.M. Curtis
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
10:55am

Sample No.	From (m)	To (m)	Interval (m)	SG	Au g/T	Ag g/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
68690	218.50	219.20	.70		.41	46.98	.16	1.57	6.49	290	40.1	1388	13193	44372	6.81	89	233	37	9
68691	224.33	225.65	1.32	2.70						9	.1	44	133	770	1.23	2	3	2	284
68692	225.65	226.61	.96	2.93	.17	28.12	.38	1.99	3.86	86	28.8	3532	17889	29989	4.36	133	153	41	8
68693	226.61	227.51	.90	3.03	.51	81.27	.18	2.29	4.73	440	93.0	1946	22023	39203	4.36	652	201	317	12
68694	227.51	227.91	.40	2.86						100	22.0	665	1708	6418	.61	216	23	110	42
68695	227.91	229.35	1.44	3.44	.51	61.72	.24	2.56	5.26	540	56.2	2097	21723	40110	2.29	669	178	293	15
68696	231.30	231.70	.40	3.04	.62	34.98	.63	.09	1.17	390	32.8	6083	598	8288	12.62	368	36	272	6
68697	242.30	243.00	.70		.17	3.43	.18	.17	1.87	150	3.2	1784	1526	14373	3.30	43	74	10	17
68698	250.93	252.38	1.45							40	.8	82	100	1189	3.05	85	4	14	35
68699	252.38	253.68	1.30							74	2.2	206	98	3543	2.58	113	15	46	37
68700	259.85	260.75	.90							59	1.5	142	64	264	11.09	38	1	14	12
68701	265.30	266.80	1.50							48	.1	5	8	55	2.86	5	0	2	23
68702	266.80	267.40	.60							250	4.4	33	38	54	15.40	41	0	2	5
68703	267.40	268.35	.95							300	5.5	71	57	232	7.54	59	1	12	7
68704	268.35	269.85	1.50							62	.4	65	28	54	18.26	19	0	2	6
68705	269.85	271.05	1.20							78	1.3	119	36	239	11.14	145	1	13	10
68706	271.05	272.60	1.55							96	1.9	187	34	1558	15.75	43	6	3	6
68707	272.60	274.10	1.50							51	.1	44	11	52	9.32	10	0	3	11
68708	274.10	275.45	1.35							31	.3	13	10	20	5.49	5	0	2	28
68709	275.45	276.95	1.50							13	.1	9	8	16	4.76	7	0	3	33
68710	276.95	278.15	1.20							7	.2	6	10	13	5.94	8	0	4	15
68711	314.94	316.44	1.50							18	.2	565	7	91	8.02	16	0	2	24
68712	316.44	317.73	1.29							20	.4	1644	10	111	8.28	19	1	2	23
68713	317.73	319.20	1.47							22	.4	791	6	89	7.70	29	0	2	28
68714	319.20	320.64	1.44							16	.2	1310	8	90	7.79	27	1	2	29
68715	320.64	322.14	1.50							19	.1	907	11	84	8.63	40	1	5	19
68716	322.14	322.53	.39							17	.2	758	6	71	7.62	32	0	5	28
68717	322.53	325.03	2.50							28	.1	36	8	47	7.95	39	0	2	19

Hole No: TCU93-60
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Logged By: K.M. Curtis
Date Re-logged:
Re-logged By:
Report Printed: 16 Apr, 1994
10:54am

Sample No.	From (m)	To (m)	Inter-val (m)	Mo ppm	Ni ppm	Co ppm	Mn ppm	U ppm	Th ppm	Sr ppm	Bi ppm	V ppm	Ca %	La ppm	Cr ppm	Mg %	Ti %	B ppm	W ppm
68690	218.50	219.20	.70	9	3	5	57	5	2	73	2	2	.48	4	1	.11	.01	2	2
68691	224.33	225.65	1.32	1	3	2	164	5	2	113	2	3	.54	7	6	.49	.05	4	1
68692	225.65	226.61	.96	6	5	3	45	5	2	98	3	2	.18	2	15	.07	.01	5	1
68693	226.61	227.51	.90	3	5	1	46	5	2	107	2	2	.10	2	1	.03	.01	7	2
68694	227.51	227.91	.40	3	4	2	23	5	2	265	2	2	.10	4	12	.03	.01	3	1
68695	227.91	229.35	1.44	3	2	2	31	5	2	131	2	2	.11	2	10	.03	.01	5	2
68696	231.30	231.70	.40	3	8	6	93	5	2	99	15	2	.54	2	10	.23	.01	2	3
68697	242.30	243.00	.70	4	3	4	73	5	2	58	3	2	.37	3	2	.19	.01	4	2
68698	250.93	252.38	1.45	9	43	7	519	5	2	339	2	4	3.17	3	38	1.60	.01	5	1
68699	252.38	253.68	1.30	2	117	8	874	5	2	343	3	10	3.49	3	110	1.79	.01	3	1
68700	259.85	260.75	.90	3	5	4	453	5	2	58	2	3	1.94	2	5	1.61	.01	2	1
68701	265.30	266.80	1.50	1	7	9	287	5	3	319	2	6	4.97	2	3	5.16	.01	2	1
68702	266.80	267.40	.60	8	10	10	31	5	2	81	4	2	.57	2	7	.23	.01	2	1
68703	267.40	268.35	.95	4	4	5	48	5	2	294	3	2	2.94	2	6	.19	.01	3	1
68704	268.35	269.85	1.50	7	4	13	121	5	2	15	2	2	.84	2	4	.40	.01	2	1
68705	269.85	271.05	1.20	9	7	13	33	5	2	9	6	2	.17	2	27	.12	.01	3	1
68706	271.05	272.60	1.55	7	7	6	36	5	2	5	2	2	.13	2	10	.05	.01	3	1
68707	272.60	274.10	1.50	4	9	11	72	5	2	7	2	2	.28	2	8	.13	.01	5	1
68708	274.10	275.45	1.35	6	9	15	64	5	2	5	2	2	.16	2	47	.07	.01	5	1
68709	275.45	276.95	1.50	5	8	14	78	5	2	7	2	2	.20	2	13	.10	.01	6	3
68710	276.95	278.15	1.20	4	6	21	118	5	2	11	2	2	.36	2	9	.12	.01	5	1
68711	314.94	316.44	1.50	2	6	12	966	5	2	19	2	55	.58	2	13	2.52	.15	3	1
68712	316.44	317.73	1.29	1	6	15	768	5	2	22	2	48	.64	2	6	2.07	.15	3	1
68713	317.73	319.20	1.47	1	5	12	800	5	2	19	2	47	.69	2	5	2.03	.19	2	1
68714	319.20	320.64	1.44	2	7	14	788	5	2	20	3	43	.52	2	16	2.07	.12	3	1
68715	320.64	322.14	1.50	2	8	16	444	5	2	13	2	27	.37	3	6	1.32	.07	4	1
68716	322.14	322.53	.39	1	7	13	609	5	2	12	2	30	.36	3	5	1.86	.08	4	1
68717	322.53	325.03	2.50	4	7	14	365	5	2	12	3	24	.34	3	13	1.18	.06	2	1

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-60

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
0.00	3.05	3.05	2.86	93.77%	2.09	68.52%
3.05	5.49	2.44	1.84	75.41%	0.11	4.51%
5.49	7.00	1.51	1.37	90.73%	0.34	22.52%
7.00	9.14	2.14	2.14	100.00%	1.85	86.45%
9.14	12.19	3.05	2.93	96.07%	1.70	55.74%
12.19	14.33	2.14	2.14	100.00%	1.96	91.59%
14.33	16.76	2.43	2.38	97.94%	1.71	70.37%
16.76	19.51	2.75	2.75	100.00%	2.44	88.73%
19.51	22.56	3.05	3.05	100.00%	2.40	78.69%
22.56	25.60	3.04	3.04	100.00%	1.83	60.20%
25.60	28.04	2.44	2.44	100.00%	1.25	51.23%
28.04	31.24	3.20	3.16	98.75%	1.75	54.69%
31.24	34.44	3.20	3.14	98.13%	2.01	62.81%
34.44	37.80	3.36	3.20	95.24%	0.89	26.49%
37.80	39.32	1.52	1.30	85.53%	0.13	8.55%
39.32	39.93	0.61	0.30	49.18%	0.00	0.00%
39.93	41.15	1.22	0.87	71.31%	0.00	0.00%
41.15	42.21	1.06	1.06	100.00%	0.24	22.64%
42.21	42.98	0.77	0.71	92.21%	0.00	0.00%
42.98	46.18	3.20	3.08	96.25%	2.00	62.50%
46.18	48.77	2.59	2.59	100.00%	1.99	76.83%
48.77	51.82	3.05	3.05	100.00%	2.25	73.77%
51.82	54.86	3.04	3.04	100.00%	1.25	41.12%
54.86	57.91	3.05	3.05	100.00%	0.88	28.85%
57.91	60.96	3.05	3.05	100.00%	0.89	29.18%
60.96	64.01	3.05	3.05	100.00%	1.44	47.21%
64.01	67.06	3.05	3.05	100.00%	2.05	67.21%
67.06	70.10	3.04	3.04	100.00%	2.41	79.28%
70.10	73.15	3.05	3.05	100.00%	2.08	68.20%
73.15	75.90	2.75	2.75	100.00%	1.00	36.36%
75.90	78.94	3.04	3.04	100.00%	1.44	47.37%
78.94	82.00	3.06	3.06	100.00%	1.10	35.95%
82.00	84.73	2.73	2.73	100.00%	1.77	64.84%
84.73	87.48	2.75	2.75	100.00%	1.52	55.27%
87.48	90.53	3.05	3.05	100.00%	1.50	49.18%
90.53	93.12	2.59	2.59	100.00%	1.05	40.54%
93.12	96.16	3.04	3.04	100.00%	2.57	84.54%
96.16	99.36	3.20	3.20	100.00%	2.56	80.00%
99.36	102.41	3.05	3.05	100.00%	2.20	72.13%
102.41	105.46	3.05	3.05	100.00%	1.89	61.97%
105.46	108.50	3.04	3.04	100.00%	2.33	76.64%
108.50	109.73	1.23	1.23	100.00%	1.07	86.99%
109.73	112.77	3.04	3.04	100.00%	2.24	73.68%
112.77	115.82	3.05	3.05	100.00%	2.34	76.72%
115.82	117.96	2.14	2.14	100.00%	0.82	38.32%
117.96	119.18	1.22	1.22	100.00%	0.67	54.92%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-60

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
119.18	121.92	2.74	2.74	100.00%	0.60	21.90%
121.92	124.97	3.05	3.05	100.00%	1.74	57.05%
124.97	128.01	3.04	3.04	100.00%	1.60	52.63%
128.01	131.06	3.05	3.05	100.00%	1.42	46.56%
131.06	134.11	3.05	3.05	100.00%	0.51	16.72%
134.11	137.16	3.05	3.05	100.00%	1.46	47.87%
137.16	140.21	3.05	3.05	100.00%	0.98	32.13%
140.21	143.26	3.05	3.05	100.00%	1.85	60.66%
143.26	146.30	3.04	2.89	95.07%	1.05	34.54%
146.30	149.35	3.05	2.60	85.25%	1.08	35.41%
149.35	152.40	3.05	2.98	97.70%	1.74	57.05%
152.40	155.45	3.05	3.05	100.00%	1.71	56.07%
155.45	157.58	2.13	2.13	100.00%	0.94	44.13%
157.58	159.71	2.13	2.13	100.00%	0.88	41.31%
159.71	161.54	1.83	1.83	100.00%	0.66	36.07%
161.54	164.59	3.05	2.97	97.38%	1.73	56.72%
164.59	167.34	2.75	2.75	100.00%	1.88	68.36%
167.34	168.86	1.52	1.47	96.71%	0.71	46.71%
168.86	171.91	3.05	3.05	100.00%	2.13	69.84%
171.91	174.96	3.05	2.96	97.05%	2.25	73.77%
174.96	176.17	1.21	0.97	80.17%	0.00	0.00%
176.17	177.39	1.22	0.73	59.84%	0.00	0.00%
177.39	181.36	3.97	3.85	96.98%	1.13	28.46%
181.36	184.40	3.04	3.04	100.00%	1.88	61.84%
184.40	187.45	3.05	3.05	100.00%	0.56	18.36%
187.45	190.50	3.05	3.05	100.00%	2.43	79.67%
190.50	192.02	1.52	1.52	100.00%	1.13	74.34%
192.02	195.07	3.05	3.05	100.00%	2.85	93.44%
195.07	198.12	3.05	3.05	100.00%	2.43	79.67%
198.12	201.17	3.05	3.05	100.00%	2.15	70.49%
201.17	204.22	3.05	3.05	100.00%	2.69	88.20%
204.22	207.26	3.04	3.04	100.00%	2.76	90.79%
207.26	210.31	3.05	3.05	100.00%	2.33	76.39%
210.31	213.36	3.05	3.05	100.00%	2.67	87.54%
213.36	216.41	3.05	3.05	100.00%	2.34	76.72%
216.41	219.46	3.05	3.05	100.00%	1.52	49.84%
219.46	222.50	3.04	3.04	100.00%	2.25	74.01%
222.50	225.55	3.05	3.05	100.00%	1.51	49.51%
225.55	228.60	3.05	3.05	100.00%	2.14	70.16%
228.60	231.65	3.05	3.05	100.00%	2.13	69.84%
231.65	234.70	3.05	3.05	100.00%	2.01	65.90%
234.70	237.74	3.04	3.04	100.00%	1.92	63.16%
237.74	240.79	3.05	3.05	100.00%	1.52	49.84%
240.79	243.23	2.44	2.44	100.00%	2.06	84.43%
243.23	246.89	3.66	3.66	100.00%	3.29	89.89%
246.89	249.33	2.44	2.44	100.00%	1.06	43.44%

GEOTECHNICAL RECORD

PROPERTY: TULSEQUAH CHIEF ROCK QUALITY DETERMINATIONS

HOLE NUMBER : TCU93-60

Note: All units are in metres

FROM	TO	INTERVAL	LENGTH RECOVERED	% RECOVERY	RECOVERED CORE > 10 cm	R.Q.D.
249.33	252.68	3.35	3.04	90.75%	0.80	23.88%
252.68	254.81	2.13	2.13	100.00%	1.17	54.93%
254.81	257.86	3.05	3.02	99.02%	1.19	39.02%
257.86	258.47	0.61	0.61	100.00%	0.10	16.39%
258.47	260.45	1.98	1.42	71.72%	0.00	0.00%
260.45	261.82	1.37	1.37	100.00%	0.10	7.30%
261.82	263.19	1.37	1.08	78.83%	0.00	0.00%
263.19	263.80	0.61	0.58	95.08%	0.10	16.39%
263.80	266.85	3.05	3.05	100.00%	2.82	92.46%
266.85	270.05	3.20	3.20	100.00%	2.87	89.69%
270.05	273.10	3.05	3.07	100.66%	2.31	75.74%
273.10	276.15	3.05	3.05	100.00%	2.65	86.89%
276.15	279.20	3.05	3.05	100.00%	1.81	59.34%
279.20	282.09	2.89	2.82	97.58%	1.89	65.40%
282.09	285.14	3.05	3.05	100.00%	1.97	64.59%
285.14	286.51	1.37	1.37	100.00%	0.82	59.85%
286.51	289.56	3.05	3.05	100.00%	2.94	96.39%
289.56	292.61	3.05	3.05	100.00%	2.81	92.13%
292.61	295.66	3.05	3.05	100.00%	3.05	100.00%
295.66	298.70	3.04	3.04	100.00%	2.79	91.78%
298.70	301.75	3.05	3.05	100.00%	3.03	99.34%
301.75	304.80	3.05	2.92	95.74%	2.43	79.67%
304.80	307.85	3.05	3.05	100.00%	2.56	83.93%
307.85	310.90	3.05	3.05	100.00%	2.33	76.39%
310.90	313.94	3.04	3.04	100.00%	2.94	96.71%
313.94	316.99	3.05	3.05	100.00%	2.81	92.13%
316.99	320.04	3.05	3.05	100.00%	3.05	100.00%
320.04	323.09	3.05	3.05	100.00%	2.83	92.79%
323.09	326.14	3.05	2.96	97.05%	2.54	83.28%
326.14	329.18	3.04	2.96	97.37%	2.61	85.86%
329.18	332.23	3.05	3.04	99.67%	2.46	80.66%
332.23	333.76	1.53	1.42	92.81%	0.47	30.72%
333.76	335.28	1.52	1.52	100.00%	1.47	96.71%
335.28	EOH			98.26%		61.86%