

COMINCO-REDFERN TULSEQUAH CHIEF MASSIVE SULPHIDE DEPOSIT  
NORTHWEST BRITISH COLUMBIA  
M.J. CASSELMAN  
COMINCO LTD.

The Tulsequah Chief property is located near the confluence of the Tulsequah and Taku Rivers in the Coast Range Mountains of B.C., 100 km south of Atlin B.C. and 65 km northeast of Juneau, Alaska. The property was first staked in 1923 following the discovery of a high grade lens of pyrite, barite, sphalerite, galena and chalcopyrite. Cominco Ltd. acquired the deposit in 1946 and placed it and the adjacent Big Bull deposit into production in 1951 at a rate of 530 tons/day. The mine was closed in 1957 due to low metal prices.

Production from 1951-1957 was 625,781 tons from the Chief and 403,308 tons from the Bull at a combined average grade of 0.11 oz/t Au, 3.69 oz/t Ag, 1.59% Cu, 1.54% Pb and 7.0% Zn. At shutdown, ore reserves in the Chief to the 5100 level were estimated at 780,000 tons at 0.07 oz/t Au, 2.9 oz/t Ag, 1.3% Cu, 1.6% Pb and 8.0% Zn. Recent drilling has discovered two new sulphide lenses and extended others. Redfern has calculated a potential geological reserve, including previous reserves, to the 3500 level of 5.8 million tons at 0.08 oz/t Au, 2.9 oz/t Ag, 1.6% Cu, 1.3% Pb and 7.0% Zn. Average spacing of drill hole penetrations is too widespread to infer hole to hole correlation with a high degree of confidence.

The Tulsequah Chief deposit occurs in a northeasterly striking, west dipping sequence of Pre-Permian, submarine, volcanic-sedimentary rocks located on the west limb of a north plunging anticline. The anticline is delineated by a mixed limestone, chert, clastic sequence containing Pennsylvanian-Permian fossils. This sequence occurs stratigraphically above the Chief deposit. Pre-Permian rocks consist primarily of basalt-andesite volcanics with lesser dacite-rhyolite pyroclastics, clastics, limestone and chert. All rocks are intruded by Paleozoic diorite and dacite, and Tertiary rhyolite plugs, sills and dykes. A major regional fault cuts off the west extension of the Tulsequah Chief stratigraphy.

The Tulsequah Chief deposit is located along the base of a thick lenticular mass of dacite-rhyolite pyroclastics near the contact with an underlying thick sequence of basalt-andesite pyroclastics and flows. The deposit is broken into four blocks by north-south striking, steeply dipping faults, all of which were initially synvolcanic growth faults which created a seafloor graben that was active during deposition of the sulphide lenses.

Mineralization occurs in conformable lenses consisting of pyrite (15-80%) with varying amounts of sphalerite, galena, chalcopyrite, gold, silver, barite and gypsum. These lenses occur along a 700 m strike length in a lithologic package known as the mineral horizon. The mineral horizon consists of altered, intercalated dacite-rhyolite tuffs, muds, cherty tuffites, and cherts intermixed with altered dacite-rhyolite lapilli tuffs.

Alteration in the mineral horizon consists primarily of sericite and pyrite (10-80%). Weak sericite-pyrite (<5%) alteration and patchy anastomosing zones of silica veins and pervasive silicification extend for distances up to 30 metres above the mineral horizon into the overlying dacite-rhyolite pyroclastic package, indicating hydrothermal activity continued after the main phase of sulphide deposition. The mineral horizon is underlain by a discordant alteration pipe which is centered on the graben, crosscuts stratigraphy, can be traced on surface for 1 km and occurs primarily in andesite volcanics. Alteration in the pipe is concentrically zoned outward from a sericite-pyrite (15-25%) core through a transition zone of biotite (phlogopite)-pyrite (15-25%) to an outer zone of chlorite-pyrite (5-10%). An adjacent, separate alteration pipe, 400 m to the west, formed slightly later at a higher stratigraphic level. No mineralization of significance has been found to date associated with this second pipe.

The intimate spatial relationship of the mineralized lenses with the same package of volcanic rocks indicates that sulphide formation was an integral part of, and related to volcanism. The Tulsequah Chief is typical of the rhyolite associated massive sulphide class of deposits with its closest analogue, Westmin's HW deposit on Vancouver Island.

LAB NO	FIELD NUMBER	DRILL INTERVAL		Au	Ht Au	Ag	Cu	Zn	Pb	Cu(1)	Pb(1)	Zn(1)	Ag(1)	Ag(1)	Au(1)	Au(1)
		FROM (METRES) TO	PPB	GRAM	PPM	PPM	PPM	PPM	PPM	%	%	%	G/T	OZ/T	G/T	OZ/T
R8915995	TCU-89-14	1090.50	1092.00	38	5	.5	20	17	17							
R8915996	TCU-89-14	1096.00	1102.00	56	5	1.4	64	109	79							
R8915997	TCU-89-14	1102.00	1109.00	102	5	1.5	334	3610	880							
R8915998	TCU-89-14	1109.00	1110.00	318	5	5.9	4690	EBB500	9920	0.45	0.98	7.80	5.33	0.155	0.137	0.004
R8915999	TCU-89-14	1110.00	1113.00	42	5	1.1	250	E11100	3760	0.03	0.34	1.12	0.84	0.025	<0.069	<0.002
R8916000	TCU-89-14	1113.00	1118.50	24	5	1.4	86	2870	31							
R8916001	TCU-89-14	1118.50	1120.00	<10	5	.5	214	8160	12							
R8916002	TCU-89-14	1120.00	1124.00	20	5	.6	481	1600	9							
R8916003	TCU-89-14	1124.00	1129.00	118	5	2.1	1580	50	32							
R8916004	TCU-89-14	1129.00	1134.00	140	5	3	3970	318	36							
R8916005	TCU-89-14	1134.00	1139.00	162	5	4	6120	233	108							
R8916006	TCU-89-14	1139.00	1144.00	234	5	1.2	848	95	176							
R8916007	TCU-89-14	1144.00	1148.00	162	5	1.8	1370	596	451							
R8916008	TCU-89-14	1148.00	1153.00	20	5	1.7	2510	490	59							
R8916009	TCU-89-14	1153.00	1163.00	<10	5	1.2	2020	610	231							
R8916010	TCU-89-14	1163.00	1168.00	24	5	.7	1900	433	110							
R8916011	TCU-89-14	1168.00	1172.50	30	5	3.1	2390	2220	3700							
R8916012	TCU-89-14	1172.50	1174.00	86	5	12	E20900	E21300	E10000	2.17	1.08	2.19	11.00	0.321	0.069	0.002
R8916013	TCU-89-14	1174.00	1179.00	<10	5	.7	754	1010	498							
R8916014	TCU-89-14	1179.00	1184.00	20	5	.5	594	776	741							
R8916015	TCU-89-14	1184.00	1189.00	<10	5	1.3	2250	1070	784							
R8916016	TCU-89-14	1189.00	1194.00	<10	5	1.5	1640	1310	364							
R8916017	TCU-89-14	1194.00	1199.00	<10	5	.6	308	2750	602							
R8916018	TCU-89-14	1199.00	1204.00	58	5	.7	822	243	42							
R8916019	TCU-89-14	1204.00	1209.00	40	5	1.4	275	854	115							
R8916020	TCU-89-14	1209.00	1214.00	46	5	.9	254	2160	1750							
R8916021	TCU-89-14	1214.00	1219.00	20	5	.9	812	607	116							
R8916022	TCU-89-14	1219.00	1224.00	<10	5	1.4	298	370	46							
R8916023	TCU-89-14	1224.00	1230.00	<10	5	2	1200	718	152							
R8916024	TCU-89-12	902.00	907.00	<10	5	1.4	25	110	10							
R8916025	TCU-89-12	907.00	912.00	<10	5	1.4	26	104	14							
R8916026	TCU-89-12	912.00	917.00	82	5	1.6	332	349	197							
R8916027	TCU-89-12	917.00	923.50	64	5	7.3	373	E11300	2630	0.04	0.26	1.34	7.33	0.214	<0.069	<0.002
R8916028	TCU-89-12	923.50	926.50	458	5	18	E11200	E19800	2370	1.29	0.22	2.25	16.50	0.481	0.343	0.010
R8916029	TCU-89-12	926.50	931.00	1892	5	65.7	E30700	E58600	6870	2.70	0.62	4.90	67.00	1.954	1.782	0.052
R8916030	TCU-89-12	931.00	935.50	1270	5	41.2	E22700	E34000	5060	2.40	0.51	3.70	44.00	1.283	1.097	0.032

## TULSEQUAH-WD

JOB V 89-0425R

TCU89-12,14/LOT 12,14

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL		AU	WT AU	AG	CU	ZN	PB	CU(1)	PB(1)	ZN(1)	AG(1)	AG(1)	AU(1)	AU(1)
		FROM (METRES)	TO	PPB	GRAM	PPM	PPM	PPM	PPM	%	%	%	G/T	OZ/T	G/T	OZ/T
R8915962	TCU-89-14	943.00	948.00	26	5	.7	62	161	7							
R8915963	TCU-89-14	948.00	952.50	198	5	3	964	2230	447							
R8915964	TCU-89-14	952.50	958.50	464	5	10.9	2020	E12000	1390	0.23	0.15	1.26	8.00	0.233	0.480	0.014
R8915965	TCU-89-14	958.50	961.50	640	5	15	6770	7940	982							
R8915966	TCU-89-14	961.50	965.00	50	5	.9	237	285	19							
R8915967	TCU-89-14	962.00	970.00	24	5	.5	44	99	5							
R8915968	TCU-89-14	970.00	974.00	22	5	.5	25	35	4							
R8915969	TCU-89-14	974.00	978.00	20	5	.6	9	44	6							
R8915970	TCU-89-14	978.00	983.00	78	5	1.7	40	53	26							
R8915971	TCU-89-14	983.00	988.00	282	5	3.1	28	71	36							
R8915972	TCU-89-14	988.00	993.00	184	5	1.5	32	293	112							
R8915973	TCU-89-14	993.00	997.00	122	5	1.6	60	535	321							
R8915974	TCU-89-14	997.00	1002.00	128	5	1.8	78	910	608							
R8915975	TCU-89-14	1002.00	1005.00	160	5	1.2	188	2550	1420							
R8915976	TCU-89-14	1005.00	1007.00	98	5	1.2	363	3900	2370							
R8915977	TCU-89-14	1007.00	1013.00	100	5	.9	689	7050	943							
R8915978	TCU-89-14	1013.00	1017.00	34	5	.8	2400	90	31							
R8915979	TCU-89-14	1017.00	1020.00	56	5	1.1	2190	163	44							
R8915980	TCU-89-14	1020.00	1025.00	80	5	.8	265	102	30							
R8915981	TCU-89-14	1025.00	1030.00	52	5	4.4	36	32	41							
R8915982	TCU-89-14	1030.00	1035.00	80	5	1.4	59	47	65							
R8915983	TCU-89-14	1035.00	1040.00	70	5	2.2	1140	147	35							
R8915984	TCU-89-14	1040.00	1045.00	124	5	3.6	4100	382	65							
R8915985	TCU-89-14	1045.00	1049.50	102	5	2.1	221	63	106							
R8915986	TCU-89-14	1049.50	1053.00	50	5	.4	84	164	33							
R8915987	TCU-89-14	1053.00	1058.00	504	5	6.5	541	6600	236							
R8915988	TCU-89-14	1058.00	1063.00	646	5	7.5	651	3230	98							
R8915989	TCU-89-14	1063.00	1067.00	660	5	8.1	769	1640	101							
R8915990	TCU-89-14	1067.00	1070.00	1740	5	49.9	7880	1100	212							
R8915991	TCU-89-14	1070.00	1073.00	140	5	.9	210	209	14							
R8915992	TCU-89-14	1073.00	1078.00	80	5	1.5	114	99	27							
R8915993	TCU-89-14	1078.00	1083.00	48	5	.6	37	36	13							
R8915994	TCU-89-14	1083.00	1090.50	38	5	4.4	18	24	14							

TULSEQUAH-WD

TCU89-13,15

Job V 89-0438R

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL FROM (METRES) TO	AU PPB	MT AU GRAM	AG PPM	CU PPM	PB PPM	ZN PPM	AU(1) G/T	AU(1) OZ/T	ZN(1) %	AG(1) G/T	AG(1) OZ/T	CU(1) %
R8917138	TCU-89-13	1197.00 1202.00	78	5	1	187	106	655						
R8917139	TCU-89-13	1202.00 1207.00	<10	5	4.4	22	5	221						
R8917140	TCU-89-13	1207.00 1212.00	<10	5	4.4	32	<4	241						
R8917141	TCU-89-13	1212.00 1217.00	<10	5	.5	35	5	436						
R8917142	TCU-89-13	1285.00 1291.00	476	5	8.7	4420	206	1280						
R8917143	TCU-89-13	1291.00 1296.00	80	5	15	323	572	1800						
R8917144	TCU-89-13	1296.00 1301.00	<10	5	18.5	41	138	252						
R8917145	TCU-89-13	1301.00 1307.20	20	5	1.4	44	21	76						
R8917146	TCU-89-13	1307.20 1311.60	80	5	3.5	22	16	42						
R8917147	TCU-89-15	1229.00 1234.00	<10	5	4.4	9	<4	90						
R8917148	TCU-89-15	1234.00 1239.00	<10	5	4.4	24	5	80						
R8917149	TCU-89-15	1239.00 1249.00	<10	5	4.4	21	4	50						
R8917150	TCU-89-15	1249.00 1254.00	20	5	4.4	8	<4	99						
R8917151	TCU-89-15	1254.00 1259.00	<10	5	4.4	28	5	130						
R8917152	TCU-89-15	1259.00 1264.00	<10	5	.7	16	4	201						
R8917153	TCU-89-15	1264.00 1269.00	<10	5	.6	6	14	284						
R8917154	TCU-89-15	1269.00 1274.00	<10	5	1.2	29	16	313						
R8917155	TCU-89-15	1274.00 1277.00	I	I	I	I	I	I						
R8917156	TCU-89-15	1277.00 1280.40	92	5	3.7	215	205	829						
R8917157	TCU-89-15	1280.40 1285.00	872	5	25.7	2820	1400	8350						
R8917158	TCU-89-15	1285.00 1290.00	140	5	6.4	290	934	3710						
R8917159	TCU-89-15	1300.80 1305.60	600	5	17.1	1690	246	4600						
R8917160	TCU-89-15	1305.60 1310.00	46	5	1.6	78	31	345						
R8917161	TCU-89-15	1310.00 1315.00	72	5	4.4	20	23	101						
R8917162	TCU-89-15	1315.00 1316.70	40	5	.8	70	16	66						
R8917163	TCU-89-15	1316.70 1317.50	20	5	4.4	10	8	55						
R8917164	TCU-89-15	1317.50 1318.50	72	5	.9	56	11	71						
R8917165	TCU-89-15	1318.50 1324.40	160	5	1.3	21	37	87						
R8917166	TCU-89-15	1324.40 1329.00	272	5	5.3	382	35	1650						
R8917167	TCU-89-15	1329.00 1332.20	188	5	4.2	301	79	2140						
R8917168	TCU-89-15	1332.20 1338.00	604	5	29.8	1760	1190	E11200			1.13	27.33	0.797	
R8917169	TCU-89-15	1338.00 1340.50	120	5	1.5	131	49	694						
R8917170	TCU-89-15	1340.50 1341.60	962	5	13.8	501	2870	5990						



TULSEQUAH--WD

TCU89-13,15

JOB V 89-0437R

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL		AU	Ht Au	Ag	Cu	Pb	Zn	Cu(1)	Pb(1)	Zn(1)	Ag(1)	Ag(1)	Au(1)	Au(1)
		FROM (METRES) TO		PPB	GRAM	PPM	PPM	PPM	PPM	%	%	%	G/T	OZ/T	G/T	OZ/T
R8917115	TCU-89-13	1217.00	1222.00	<10	5	1.0	111	50	370							
R8917116	TCU-89-13	1222.00	1225.00	180	5	9.0	828	948	4820							
R8917117	TCU-89-13	1225.00	1230.00	588	5	19.3	3270	2840	E15600	0.31	0.31	1.78	18.33	0.535	0.891	0.026
R8917118	TCU-89-13	1230.00	1235.00	2720	5	E102.0	9580	E11800	E71700	0.99	1.32	7.10	110.50	3.223	3.360	0.098
R8917119	TCU-89-13	1235.00	1240.00	1192	5	85.9	7110	E11100	E73400	0.71	1.38	7.70	78.557	2.291	1.850	0.054
R8917120	TCU-89-13	1240.00	1245.00	5420	5	E186.0	E19600	E17900	E91000	2.04	2.04	9.10	R192.66	R5.619	4.798	0.140
R8917121	TCU-89-13	1245.00	1250.00	1812	5	85.1	9260	E12600	E50300	1.03	1.47	5.40	80.444	2.346	1.028	0.030
R8917122	TCU-89-13	1250.00	1255.00	2600	5	E143.0	E10800	E22700	E74600	1.36	2.41	8.60	131.19	3.826	3.016	0.088
R8917123	TCU-89-13	1255.00	1260.00	1960	5	80.3	9000	E11000	E54400	1.00	1.20	5.20	82.622	2.410	2.400	0.070
R8917124	TCU-89-13	1260.00	1265.00	1792	5	89.9	E12900	E13500	E82200	1.35	1.61	7.20	85.236	2.486	2.125	0.062
R8917125	TCU-89-13	1265.00	1270.00	280	5	8.6	1310	1650	7350							
R8917126	TCU-89-13	1270.00	1275.00	2520	5	56.0	8290	E15400	E53100	0.93	1.83	5.60	52.67	1.536	1.919	0.056
R8917127	TCU-89-13	1275.00	1279.00	2320	5	90.9	6340	E10100	E46100	0.65	1.25	4.50	95.546	2.787	2.741	0.080
R8917128	TCU-89-13	1279.00	1285.00	1570	5	40.9	5950	3310	E17900	0.62	0.37	1.75	30.00	0.875	1.713	0.050
R8917129	TCU-89-15	1290.00	1294.50	376	5	19.5	2500	4000	E21900	0.27	0.43	2.70	15.00	0.438	0.411	0.012
R8917130	TCU-89-15	1294.50	1299.60	1072	5	92.9	9800	6080	E263000	1.08	0.67	24.11	93.077	2.715	1.645	0.048
R8917131	TCU-89-15	1299.60	1300.80	320	5	18.9	3300	122	1370							
R8917132	TCU-89-15	1359.00	1362.00	3320	5	59.7	E10300	112	E25900	1.13	0.01	2.60	58.33	1.701	3.632	0.106
R8917133	TCU-89-15	1362.00	1367.00	1162	5	20.3	E11700	1330	E20300	1.32	0.16	2.44	17.33	0.505	1.611	0.047
R8917134	TCU-89-15	1367.00	1371.30	1160	5	28.5	6720	1510	E51200	0.69	0.20	5.10	22.84	0.666	1.303	0.038
R8917135	TCU-89-15	1371.30	1375.60	1602	5	55.6	7500	E24700	E305000	0.77	6.30	31.44	63.33	1.847	R2.331	R0.068
R8917136	TCU-89-15	1375.60	1377.50	1406	5	22.1	8030	613	E33100	0.89	0.10	3.50	19.67	0.574	1.851	0.054
R8917137	TCU-89-15	1377.50	1379.00	2820	5	42.1	8260	274	2030						2.743	0.080

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS

Ht Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)

Ag AQUA REGIA DECOMPOSITION / AAS

Cu AQUA REGIA DECOMPOSITION / AAS

Pb AQUA REGIA DECOMPOSITION / AAS

Zn AQUA REGIA DECOMPOSITION / AAS

Cu(1) ASSAY

Pb(1) ASSAY

LAB NO	FIELD NUMBER	DRILL INTERVAL		Au	Ht Au	Ag	Cu	Pb	Zn	Au(1)	Au(1)	Zn(1)	Ag(1)	Ag(1)	Cu(1)
		FROM (METRES) TO	PPB	GRAM	PPM	PPM	PPM	PPM	PPM	G/T	OZ/T	%	G/T	OZ/T	%
RB917171	TCU-89-15	1341.60	1342.80	592	5	7.4	446	360	3680						
RB917172	TCU-89-15	1342.80	1344.50	4960	5	E127	E10800	463	E17700	4.386	0.128	1.77	C141.33	C4.122	1.04
RB917173	TCU-89-15	1344.50	1346.50	1064	5	26.1	2410	1150	3440	0.754	0.022				
RB917174	TCU-89-15	1346.50	1352.00	420	5	9.7	3190	34	2670						
RB917175	TCU-89-15	1352.00	1353.50	552	5	14.7	4170	21	E26700			2.83	14.00	0.408	
RB917176	TCU-89-15	1353.50	1356.00	680	5	17.1	4240	35	E10300			1.08	18.00	0.525	
RB917177	TCU-89-15	1356.00	1359.00	606	5	3	621	50	E33300			2.90	3.00	0.088	
RB917178	TCU-89-15	1379.00	1384.00	60	5	4.4	47	15	286						
RB917179	TCU-89-15	1384.00	1389.00	80	5	.7	27	11	77						

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED  
 IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

## ANALYTICAL METHODS

AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS  
 HT AU THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)  
 AG AQUA REGIA DECOMPOSITION / AAS  
 CU AQUA REGIA DECOMPOSITION / AAS  
 PB AQUA REGIA DECOMPOSITION / AAS  
 ZN AQUA REGIA DECOMPOSITION / AAS  
 AU(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)  
 AU(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)  
 ZN(1) ASSAY  
 AG(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)  
 AG(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)  
 CU(1) ASSAY

## TULSEQUAH-WD

TCU89-16

JOB U 89-0494R

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL		Au(1)	Au(1)	Ag	Cu	Pb	Zn	Ag(1)	Ag(1)	Cu(1)	Pb(1)	Zn(1)
		FROM (METRES)	TO	G/T	OZ/T	PPM	PPM	PPM	PPM	G/T	OZ/T	%	%	%
R8919160	TCU-89-16	1840.00	1845.70	0.652	0.019	15.8	856	425	705	17.00	0.496	0.10	0.06	0.11
R8919161	TCU-89-16	1845.70	1847.50	5.109	0.149	E256.5	E17100	8850	E51550	273.71	7.983	1.78	0.92	6.20
R8919162	TCU-89-16	1847.50	1850.50	4.046	0.118	E290.0	E13420	E44100	E173000	308.85	9.008	1.42	4.65	18.32
R8919163	TCU-89-16	1850.50	1853.60	2.915	0.085	E168.0	8490	3760	E203000	170.61	4.976	0.90	0.40	23.90
R8919164	TCU-89-16	1853.60	1856.80	1.269	0.037	27.5	807	288	1410	28.17	0.822	0.09	0.04	0.16

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

IF REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

## ANALYTICAL METHODS

Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAY. FINISH (HIGH LEVEL)

Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAY. FINISH (HIGH LEVEL)

Ag AQUA REGIA DECOMPOSITION / AAS

Cu AQUA REGIA DECOMPOSITION / AAS

Pb AQUA REGIA DECOMPOSITION / AAS

Zn AQUA REGIA DECOMPOSITION / AAS

Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAY. FINISH (HIGH LEVEL)

Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAY. FINISH (HIGH LEVEL)

Cu(1) ASSAY

Pb(1) ASSAY

Zn(1) ASSAY

## TULSEQUAH-WD

TCU 89-16

JOB V 89-0508R

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL		Au	Ht Au	Ag	Cu	Zn	Pb	Zn(1)	Ag(1)	Ag(1)	Pb(1)	Au(1)	Au(1)
		FROM (METRES)	TO	PPB	GRAM	PPM	PPM	PPM	PPM	%	G/T	OZ/T	%	G/T	OZ/T
RB919840	TCU89-16	1533.00	1536.50	480	5	10	749	3450	940						
RB919841	TCU89-16	1536.50	1537.50	1220	5	50	9030	E12600	1540	1.16				1.576	0.046
RB919842	TCU89-16	1537.50	1543.00	480	5	17.9	1210	9520	1910						
RB919843	TCU89-16	1637.00	1641.50	24	5	.7	93	607	81						
RB919844	TCU89-16	1641.50	1646.00	60	5	10.9	495	6660	1690						
RB919845	TCU89-16	1646.00	1651.00	24	5	3.4	444	2050	469						
RB919846	TCU89-16	1651.00	1652.40	<10	5	.6	34	334	45						
RB919847	TCU89-16	1652.40	1657.00	80	5	.8	20	62	13						
RB919848	TCU89-16	1657.00	1662.00	32	5	.4	21	73	26						
RB919849	TCU89-16	1662.00	1667.00	<10	5	1.1	127	79	17						
RB919850	TCU89-16	1667.00	1672.00	<10	5	.4	9	63	10						
RB919851	TCU89-16	1672.00	1677.00	<10	5	.7	19	105	21						
RB919852	TCU89-16	1677.00	1682.00	<10	5	.7	65	96	48						
RB919853	TCU89-16	1687.00	1692.00	64	5	.4	21	96	25						
RB919854	TCU89-16	1692.00	1697.00	352	5	3.4	38	181	61						
RB919855	TCU89-16	1697.00	1702.00	96	5	1.1	31	148	57						
RB919856	TCU89-16	1702.00	1707.00	32	5	<.4	18	81	8						
RB919857	TCU89-16	1707.00	1712.00	<10	5	<.4	15	77	6						
RB919858	TCU89-16	1712.00	1717.00	32	5	.5	13	87	9						
RB919859	TCU89-16	1717.00	1720.00	20	5	<.4	9	95	18						
RB919860	TCU89-16	1720.00	1725.00	<10	5	.5	10	69	6						
RB919861	TCU89-16	1725.00	1729.50	<10	5	.6	10	79	10						
RB919862	TCU89-16	1730.60	1735.00	20	5	<.4	13	50	7						
RB919863	TCU89-16	1735.00	1740.00	<10	5	<.4	16	60	5						
RB919864	TCU89-16	1740.00	1745.00	<10	5	.4	14	73	8						
RB919865	TCU89-16	1745.00	1750.00	<10	5	<.4	9	96	7						
RB919866	TCU89-16	1750.00	1755.00	42	5	.6	12	82	7						
RB919867	TCU89-16	1755.00	1760.00	60	5	.4	21	70	20						
RB919868	TCU89-16	1760.00	1765.00	96	5	1.1	25	85	6						
RB919869	TCU89-16	1765.00	1770.00	20	5	.6	19	95	23						
RB919870	TCU89-16	1770.00	1775.00	<10	5	.1	17	91	48						
RB919871	TCU89-16	1775.00	1780.00	<10	5	.5	15	57	10						
RB919872	TCU89-16	1780.00	1785.00	<10	5	.7	16	95	23						



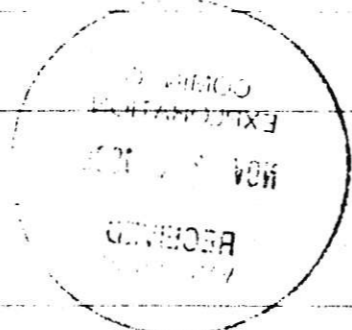
LAB NO	FIELD NUMBER	DRILL INTERVAL		Au	Ht Au	Ag	Cu	Zn	Pb	Zn(1)	Ag(1)	Ag(1)	Pb(1)	Au(1)	Au(1)
		FROM (METRES) TO	PPB	GRAM	PPM	PPM	PPM	PPM	PPM	PPM	%	G/T	OZ/T	%	G/T
R8919873	TCU89-16	1785.00	1790.00	<10	5	<.4	16	90	11						
R8919874	TCU89-16	1790.00	1795.00	<10	5	.5	12	103	16						
R8919875	TCU89-16	1795.00	1800.00	24	5	1.5	18	81	22						
R8919876	TCU89-16	1800.00	1805.00	20	5	<.4	9	200	18						
R8919877	TCU89-16	1805.00	1810.00	100	5	1.4	28	307	85						
R8919878	TCU89-16	1810.00	1815.00	52	5	.8	22	307	14						
R8919879	TCU89-16	1815.00	1820.00	20	5	.6	25	249	8						
R8919880	TCU89-16	1820.00	1825.00	124	5	1.5	41	169	18						
R8919881	TCU89-16	1825.00	1830.00	42	5	.5	16	64	4						
R8919882	TCU89-16	1830.00	1833.40	32	5	.9	43	49	4						
R8919883	TCU89-16	1833.40	1840.00	44	5	.7	16	62	7						
R8919884	TCU89-16	1856.80	1857.80	E16020	5	E565	2960	E17100	3590	1.55	584.50	17.048		10.599	0.309
R8919885	TCU89-16	1857.80	1860.60	1820	5	E417.5	3640	E21300	E11700	2.42	414.72	12.096	1.38	1.920	0.056
R8919886	TCU89-16	1860.60	1861.80	886	5	E289	4590	E30700	E15000	2.89	276.82	8.074	1.69	1.028	0.030
R8919887	TCU89-16	1861.80	1865.20	1364	5	E195	2620	E19700	9600	2.12	200.50	5.848		1.713	0.050
R8919888	TCU89-16	1865.20	1870.00	826	5	9.9	98	96	194					1.165	0.034
R8919889	TCU89-16	1870.00	1875.00	1030	5	9.5	135	68	82					1.439	0.042
R8919890	TCU89-16	1875.00	1880.00	284	5	2.4	36	27	43						
R8919891	TCU89-16	1880.00	1882.60	256	5	2.8	31	48	63						
R8919892	TCU89-16	1882.60	1887.00	216	5	2.3	81	2160	36						
R8919893	TCU89-16	1887.00	1891.70	160	5	3	274	5890	52						
R8919894	TCU89-16	1891.70	1894.80	80	5	1.4	119	2160	49						
R8919895	TCU89-16	1894.80	1897.00	140	5	2.8	199	579	92						
R8919896	TCU89-16	1897.00	1902.00	122	5	5.5	649	2260	47						
R8919897	TCU89-16	1902.00	1907.00	120	5	6.1	1300	2100	124						
R8919898	TCU89-16	1907.00	1912.00	40	5	2.8	333	2830	197						
R8919899	TCU89-16	1918.00	1923.00	346	5	8.1	301	2510	109						
R8919900	TCU89-16	1923.00	1928.00	600	5	11.7	60	215	190						
R8919901	TCU89-16	1928.00	1933.00	566	5	7.6	42	690	184						
R8919902	TCU89-16	1933.00	1938.00	152	5	5.1	33	500	117						
R8919903	TCU89-16	1938.00	1943.00	260	5	8.4	30	89	45						
R8919904	TCU89-16	1943.00	1948.00	1566	5	31.6	78	670	278					1.713	0.050
R8919905	TCU89-16	1948.00	1953.00	260	5	9.2	181	2040	593						
R8919906	TCU89-16	1953.00	1958.00	92	5	2.3	1550	7880	212						
R8919907	TCU89-16	1958.00	1960.00	120	5	3.2	1980	5480	32						
R8919908	TCU89-16	1962.80	1968.00	72	5	1.6	373	207	32						

LAB NO	FIELD NUMBER	DRILL INTERVAL		Au	Ht Au	Ag	Cu	Zn	Pb	Zn(1)	Ag(1)	Ag(1)	Pb(1)	Au(1)	Au(1)
		FROM (METRES)	TO	PPM	GRAM	PPM	PPM	PPM	PPM	PPM	%	G/T	OZ/T	%	G/T
R8919909	TCU89-16	1968.00	1973.00	112	5	3	1760	1720	47						
R8919910	TCU89-16	1973.00	1978.00	136	5	4.3	2330	1180	125						
R8919911	TCU89-16	1978.00	1983.00	60	5	2.3	1440	3140	211						
R8919912	TCU89-16	1983.00	1988.00	20	5	4.4	107	286	31						
R8919913	TCU89-16	1988.00	1993.00	44	5	4.4	79	92	37						
R8919914	TCU89-16	1993.00	1998.00	140	5	1.8	2040	1940	40						
R8919915	TCU89-16	1998.00	2003.00	80	5	1.5	2350	2240	27						
R8919916	TCU89-16	2003.00	2008.00	60	5	.5	856	1410	22						
R8919917	TCU89-16	2008.00	2011.30	40	5	4.4	116	193	8						
R8919918	TCU89-16	2011.30	2016.20	110	5	4.4	77	189	44						
R8919919	TCU89-16	2016.20	2021.00	190	5	4.7	596	88	25						
R8919920	TCU89-16	2021.00	2026.00	110	5	4.4	100	276	44						
R8919921	TCU89-16	2026.00	2032.70	280	5	.8	266	290	18						
R8919922	TCU89-16	2032.70	2038.00	112	5	.9	281	232	18						
R8919923	TCU89-16	2038.00	2043.00	122	5	1.3	376	3670	37						
R8919924	TCU89-16	2043.00	2048.00	60	5	.9	280	2790	22						
R8919925	TCU89-16	2048.00	2053.00	40	5	.9	195	1990	91						
R8919926	TCU89-16	2053.00	2058.00	52	5	2.1	716	4400	73						
R8919927	TCU89-16	2058.00	2063.00	58	5	1.3	275	1640	132						
R8919928	TCU89-16	2063.00	2068.00	116	5	2	183	94	128						
R8919929	TCU89-16	2068.00	2071.20	52	5	2.3	432	541	71						
R8919930	TCU89-16	2071.20	2067.80	80	5	2.6	773	116	68						

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 IF REQUESTED ANALYSES ARE NOT SHOWN, RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

- Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Ht Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
- Ag AQUA REGIA DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS
- Zn AQUA REGIA DECOMPOSITION / AAS
- Pb AQUA REGIA DECOMPOSITION / AAS
- Zn(1) ASSAY
- Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Pb(1) ASSAY
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)



TULSEQUAH-WD

LOT 17

JOB V 89-0476R  
REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL FROM (METRES) TO	AU PPB	Nt Au GRAM	Ag PPM	Cu PPM	Zn PPM	Pb PPM	Au(1) G/T	Au(1) OZ/T	Zn(1) %
R8918447	TCU-89-17	1190.00 1195.00	22	5	<.4	28	82	37			
R8918448	TCU-89-17	1195.00 1200.00	20	5	.7	19	67	22			
R8918449	TCU-89-17	1200.00 1205.00	22	5	.4	23	41	13			
R8918450	TCU-89-17	1205.00 1210.00	24	5	1	299	54	10			
R8918451	TCU-89-17	1210.00 1215.00	28	5	<.4	29	50	13			
R8918452	TCU-89-17	1215.00 1220.00	50	5	.4	33	30	9			
R8918453	TCU-89-17	1220.00 1223.00	30	5	.5	44	36	10			
R8918454	TCU-89-17	1231.00 1235.00	<10	5	<.4	48	38	11			
R8918455	TCU-89-17	1235.00 1240.00	<10	5	<.4	116	58	11			
R8918456	TCU-89-17	1240.00 1245.00	<10	5	.5	44	45	9			
R8918457	TCU-89-17	1245.00 1250.00	22	5	<.4	35	32	6			
R8918458	TCU-89-17	1250.00 1255.00	<10	5	.4	55	37	9			
R8918459	TCU-89-17	1255.00 1260.00	<10	5	<.4	84	51	14			
R8918460	TCU-89-17	1260.00 1265.00	<10	5	<.4	122	44	30			
R8918461	TCU-89-17	1265.00 1270.00	<10	5	<.4	28	30	5			
R8918462	TCU-89-17	1270.00 1273.30	24	5	.7	30	26	7			
R8918463	TCU-89-17	1282.70 1287.50	22	5	<.4	24	55	22			
R8918464	TCU-89-17	1293.00 1299.00	58	5	.8	29	361	81			
R8918465	TCU-89-17	1299.00 1301.30	58	5	1.4	26	65	70			
R8918466	TCU-89-17	1301.30 1306.00	62	5	1	23	57	42			
R8918467	TCU-89-17	1306.00 1311.00	64	5	.7	28	51	27			
R8918468	TCU-89-17	1311.00 1316.00	68	5	.5	20	43	23			
R8918469	TCU-89-17	1316.00 1321.00	58	5	.6	18	30	20			
R8918470	TCU-89-17	1321.00 1327.00	60	5	.6	23	57	28			
R8918471	TCU-89-17	1327.00 1329.80	98	5	1.9	522	537	29			
R8918472	TCU-89-17	1329.80 1335.00	60	5	<.4	39	56	27			
R8918473	TCU-89-17	1335.00 1340.00	64	5	1.3	35	60	60			
R8918474	TCU-89-17	1340.00 1345.00	62	5	3.9	142	1730	449			
R8918475	TCU-89-17	1345.00 1347.50	100	5	3	178	980	322			
R8918476	TCU-89-17	1347.50 1350.00	302	5	16.8	3660	E29700	1910			2.81
R8918477	TCU-89-17	1350.00 1355.00	98	5	3.7	400	837	151			
R8918478	TCU-89-17	1576.00 1581.50	44	5	.7	17	61	11			
R8918479	TCU-89-16	1113.00 1118.00	564	5	8.8	843	216	20			
R8918480	TCU-89-16	1118.00 1121.50	706	5	10.6	829	146	67			
R8918481	TCU-89-16	1121.50 1125.00	1126	5	16.2	1590	6010	144	1.371	0.040	
R8918482	TCU-89-16	1125.00 1130.00	236	5	5.7	765	7900	431			
R8918483	TCU-89-16	1130.00 1135.00	98	5	6.1	725	7270	1600			
R8918484	TCU-89-16	1135.00 1140.00	70	5	5.5	693	4340	941			
R8918485	TCU-89-16	1140.00 1145.00	280	5	12.3	2690	E19100	3800			1.65
R8918486	TCU-89-16	1145.00 1150.00	460	5	9.2	845	E11200	2810			1.06
R8918487	TCU-89-16	1150.00 1155.50	288	5	12.1	452	4980	2910			
R8918488	TCU-89-16	1155.50 1157.30	402	5	37.2	2140	E15100	2240			1.40
R8918489	TCU-89-16	1157.30 1163.00	34	5	4.8	1330	E16700	1640			1.50
R8918490	TCU-89-16	1163.00 1168.00	40	5	2.2	549	E17100	206			1.51
R8918491	TCU-89-16	1168.00 1174.00	24	5	1.8	745	1350	86			

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED  
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

- AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Nt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
- Ag AQUA REGIA DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS

TULSEQUAH--WD

JOB V 89-0523R

TCU89-18,19

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL	AU	Nt Au	Ag	Cu	Pb	Zn	Au(1)	Au(1)	Ag(1)	Ag(1)	Cu(1)	Pb(1)	Zn(1)
		FROM (METRES) TO	PPB	GRAM	PPM	PPM	PPM	PPM	G/T	OZ/T	G/T	OZ/T	%	%	%
R8920832	TCU 89-19	1225.00 1230.00	460	5	4	27	11	192	0.069	0.002	0.33	0.010	0.01	0.01	0.04
R8920833	TCU 89-19	1230.00 1231.30	110	5	19.2	4140	3570	E31300	0.549	0.016	12.50	0.365	0.41	0.33	2.80
R8920834	TCU 89-19	1231.30 1233.00	286	5	15.9	E11300	4900	E118000	0.137	0.004	16.00	0.467	1.07	0.47	11.95
R8920835	TCU 89-19	1233.00 1234.30	344	5	23.5	3950	786	3990	0.480	0.014	18.67	0.545	0.38	0.08	0.40
R8920836	TCU 89-19	1234.30 1239.00	3420	5	E141	E15500	E21500	E165000	3.221	0.094	193.33	5.639	1.62	2.48	15.05
R8920837	TCU 89-19	1239.00 1244.00	2600	5	E112	E17000	E23450	E161000	2.193	0.064	134.67	3.928	1.62	2.16	14.72
R8920838	TCU 89-19	1244.00 1249.00	2600	5	E114	E10800	E29800	E188000	2.536	0.074	137.33	4.005	1.18	2.70	16.94
R8920839	TCU 89-19	1249.00 1250.20	1024	5	71.3	E12800	E10100	E88900	1.439	0.042	82.50	2.406	1.42	1.15	9.80
R8920840	TCU 89-19	1250.20 1251.50	900	5	38.3	8770	1380	6550	1.337	0.039	43.00	1.254	0.84	0.16	0.59
R8920841	TCU 89-19	1251.50 1254.50	1372	5	E111	E11400	7680	E37000	1.904	0.056	75.00	2.188	1.31	0.72	4.10
R8920842	TCU 89-19	1254.50 1258.00	40	5	1.8	178	100	465	0.617	0.018	1.82	0.053	0.01	0.01	0.13
R8920843	TCU 89-19	1258.00 1262.30	110	5	5	49	32	269	0.069	0.002	0.70	0.020	0.01	0.01	0.04
R8920844	TCU 89-18	1755.00 1760.00	110	5	9	76	47	222	0.069	0.002	0.70	0.020	0.01	0.01	0.08
R8920845	TCU 89-18	1760.00 1763.60	2920	5	E162	E14100	1180	E149000	2.125	0.062	180.00	5.250	1.46	0.14	16.23
R8920846	TCU 89-18	1763.60 1765.80	3920	5	E185	9420	E57000	E156000	2.810	0.082	197.00	5.746	1.08	5.85	19.66
R8920847	TCU 89-18	1765.80 1767.40	1786	5	77.2	E10800	4410	E129000	1.405	0.041	100.67	2.936	1.34	0.45	17.25
R8920848	TCU 89-18	1767.40 1768.40	3600	5	89.2	3560	E41700	E234000	3.050	0.089	117.33	3.422	0.36	4.20	25.09
R8920849	TCU 89-18	1768.40 1771.00	1892	5	E200	E12700	647	E82700	2.639	0.077	204.03	5.951	1.42	0.08	8.45
R8920850	TCU 89-18	1771.00 1776.20	1200	5	E161	9260	E12000	E110000	1.576	0.046	173.33	5.055	1.04	1.47	12.18
R8920851	TCU 89-18	1776.20 1778.50	1296	5	E211	6360	E44100	E188000	1.337	0.039	206.08	6.011	0.66	4.46	18.33
R8920852	TCU 89-18	1778.50 1779.80	604	5	69.6	E14800	5160	E102000	0.960	0.028	93.00	2.713	1.76	0.50	12.08
R8920853	TCU 89-18	1779.80 1781.40	1626	5	E109	8870	E33000	E137000	1.165	0.034	136.00	3.967	0.93	3.53	16.43
R8920854	TCU 89-18	1781.40 1785.50	834	5	E110	4770	E20600	E103000	0.960	0.028	135.00	3.938	0.52	2.39	10.77
R8920855	TCU 89-18	1785.50 1790.00	1204	5	E121	4080	E14300	E37500	1.542	0.045	146.67	4.278	0.39	1.50	3.80
R8920856	TCU 89-18	1790.00 1793.70	6400	5	E210	2740	E23700	E33000	10.623	0.310	201.08	5.865	0.27	2.38	3.10
R8920857	TCU 89-18	1793.70 1794.70	6600	5	E625.0	8690	E71500	E119000	6.100	0.178	620.73	18.105	0.93	7.00	15.44
R8920858	TCU 89-18	1794.70 1799.50	2400	5	49.9	2900	5510	9000	1.713	0.050	53.33	1.555	0.31	0.54	1.20

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IF REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS

Nt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)

AG AQUA REGIA DECOMPOSITION / AAS

CU AQUA REGIA DECOMPOSITION / AAS

TULSEQUIAH-WD

TCU89-18

Job V 89-0524R

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL		Au	Ht Au	Ag	Cu	Pb	Zn	Au(1)	Au(1)	Zn(1)	Cu(1)	Pb(1)
		FROM (METRES)	TO	PPB	GRAM	PPM	PPM	PPM	PPM	G/T	OZ/T	%	%	%
R8920859	TCU 89-18	1386.00	1391.20	<10	5	4.4	31	66	666					
R8920860	TCU 89-18	1391.20	1393.00	120	5	3.2	300	446	1400					
R8920861	TCU 89-18	1393.00	1395.30	224	5	2.5	179	1090	1670					
R8920862	TCU 89-18	1395.30	1398.00	144	5	1.9	171	233	363					
R8920863	TCU 89-18	1398.00	1403.00	124	5	2.6	386	273	1880					
R8920864	TCU 89-18	1403.00	1407.50	<10	5	4.4	32	17	127					
R8920865	TCU 89-18	1420.70	1424.10	80	5	1.9	194	425	2720					
R8920866	TCU 89-18	1424.10	1426.60	386	5	11.4	1050	1830	8800					
R8920867	TCU 89-18	1426.60	1427.50	846	5	43.2	5900	7610	E36000			3.43		
R8920868	TCU 89-18	1432.40	1435.90	952	5	25.1	3460	4410	E21100			2.07		
R8920869	TCU 89-18	1435.90	1437.50	2890	5	99.2	E11700	E14200	E64900	3.358	0.098	6.90	1.36	1.62 2
R8920870	TCU 89-18	1437.50	1439.80	440	5	24.8	967	6270	E24500			2.44		
R8920871	TCU 89-18	1439.80	1445.00	1040	5	26.2	1260	4350	E21000	1.508	0.044	2.16		
R8920872	TCU 89-18	1445.00	1449.70	760	5	24.1	807	6990	E22300			2.38		
R8920873	TCU 89-18	1449.70	1453.20	80	5	16.9	114	165	365					
R8920874	TCU 89-18	1453.20	1458.00	176	5	56	20	247	515					
R8920875	TCU 89-18	1458.00	1463.00	80	5	35.7	28	184	430					
R8920876	TCU 89-18	1463.00	1468.00	<10	5	4.1	36	32	142					
R8920877	TCU 89-18	1468.00	1473.00	<10	5	4.4	17	10	109					
R8920878	TCU 89-18	1737.70	1743.00	<10	5	2.7	23	211	177					
R8920879	TCU 89-18	1743.00	1748.00	60	5	2.2	15	394	139					
R8920880	TCU 89-18	1748.00	1751.80	60	5	2.4	16	253	406					
R8920881	TCU 89-18	1751.80	1755.00	<10	5	4.4	42	21	62					
R8920882	TCU 89-18	1799.50	1802.90	1764	5	64.9	4460	9690	E32000	2.674	0.078	3.30		
R8920883	TCU 89-18	1802.90	1808.00	42	5	1.1	76	52	239					

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ANALYTICAL METHODS

- AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
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- Ag AQUA REGIA DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS
- Pb AQUA REGIA DECOMPOSITION / AAS
- Zn AQUA REGIA DECOMPOSITION / AAS

TULSEQUAH-WD

TCUB9-19,20

JOB V 89-0566R  
REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL FROM (METRES) TO	Au PPB	Mt Au GRAM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Au(1) G/T	Au(1) OZ/T	Ag(1) G/T	Ag(1) OZ/T	Cu(1) %	Zn(1) %	Pb(1) %
R8923023	TCU-89-19	1456.00 1460.90	82	5	2.2	330	36	162	0.480	0.014	1.85	0.054	0.03	0.02	<0.01
R8923024	TCU-89-19	1460.90 1462.70	334	5	12.8	1050	1970	7410	0.685	0.020	11.67	0.340	0.10	0.62	0.20
R8923025	TCU-89-19	1462.70 1464.90	1706	5	46.6	6070	8910	E33600	2.399	0.070	42.67	1.245	0.53	2.90	0.75
R8923026	TCU-89-19	1464.90 1468.00	102	5	4.9	517	390	1830	0.274	0.008	4.52	0.132	0.05	0.20	0.05
R8923027	TCU-89-19	1468.00 1470.00	1580	5	56.1	3800	5690	E49800	1.713	0.050	50.00	1.458	0.34	4.80	0.52
R8923028	TCU-89-19	1470.00 1475.00	24	5	1	120	62	344	0.206	0.006	0.63	0.018	0.01	0.04	0.01
R8923029	TCU-89-20	862.00 866.90	52	5	1.3	263	51	140	0.137	0.004	0.33	0.010	0.03	0.02	<0.01
R8923030	TCU-89-20	866.90 870.50	2720	5	E141	8670	E11500	E94000	2.844	0.083	78.67	2.295	0.87	10.50	1.32
R8923031	TCU-89-20	870.50 871.50	500	5	16.8	2250	971	3020	0.925	0.027	16.17	0.472	0.21	0.29	0.12
R8923032	TCU-89-20	871.50 872.70	676	5	16.1	2980	2370	E15200	1.028	0.030	14.67	0.428	0.28	1.43	0.22
R8923033	TCU-89-20	872.70 874.20	176	5	3.6	834	210	2210	0.685	0.020	1.83	0.053	0.08	0.24	0.02
R8923034	TCU-89-20	874.20 875.50	492	5	9.9	3030	976	7250	0.685	0.020	8.92	0.260	0.28	0.62	0.10
R8923035	TCU-89-20	875.50 880.00	80	5	1.3	296	157	1340	0.172	0.005	0.50	0.015	0.03	0.15	0.02
R8923036	TCU-89-20	880.00 883.50	2760	5	33.9	9120	3500	E13700	2.639	0.077	37.50	1.094	0.85	1.40	0.34
R8923037	TCU-89-20	883.50 887.50	3200	5	E135	E20700	6240	E83000	4.729	0.138	83.00	2.421	2.03	8.20	0.56
R8923038	TCU-89-20	887.50 892.00	40	5	2.7	801	130	816	0.275	0.008	2.60	0.076	0.08	0.09	0.01

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- Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Mt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
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- Cu AQUA REGIA DECOMPOSITION / AAS
- Pb AQUA REGIA DECOMPOSITION / AAS
- Zn AQUA REGIA DECOMPOSITION / AAS
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAY. FINISH (HIGH LEVEL)
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- Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAY. FINISH (HIGH LEVEL)
- Cu(1) ASSAY
- Zn(1) ASSAY
- Pb(1) ASSAY

## TULSEQUAH-WD

JOB V 89-0584R

TCU89-21

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL FROM (METRES) TO	Au PPB	Ht Au GRAM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Au(1) G/T	Au(1) OZ/T	Ag(1) G/T	Ag(1) OZ/T	Cu(1) %	Pb(1) %	Zn(1) %
R8923952	TCU 89-21	1656.50 1658.00	480	5	9	1770	1280	1960	0.617	0.018	12.00	0.350	0.17	0.16	0.21
R8923953	TCU 89-21	1658.00 1661.00	2120	5	E100	8500	E17000	E82400	3.429	0.100	109.76	3.201	0.80	1.78	7.53
R8923954	TCU 89-21	1661.00 1662.50	856	5	30.8	9130	8290	E35700	1.646	0.048	37.33	1.089	0.94	0.80	3.80
R8923955	TCU 89-21	1662.50 1664.70	7760	5	E341	9370	E51500	E89000	8.366	0.244	370.86	10.817	1.04	4.60	13.13
R8923956	TCU 89-21	1664.70 1667.80	840	5	43.7	2900	4520	E13800	1.234	0.036	51.67	1.507	0.28	0.44	1.80
R8923957	TCU 89-21	1667.80 1671.20	372	5	83.5	4930	1790	E23000	0.891	0.026	88.378	2.578	0.49	0.20	2.60
R8923958	TCU 89-21	1671.20 1674.80	856	5	88.5	9020	E11500	E32700	1.234	0.036	100.87	2.942	0.92	1.20	3.30
R8923959	TCU 89-21	1674.80 1679.50	6330	5	E208	E14000	E15200	E39800	6.857	0.200	211.74	6.176	1.50	1.70	4.10
R8923960	TCU 89-21	1679.50 1682.80	92	5	2.2	239	122	1030	0.069	0.002	2.57	0.075	0.03	0.02	0.14
R8923961	TCU 89-21	1682.80 1686.00	2000	5	88.6	7820	E17300	E115000	0.891	0.026	91.849	2.679	0.81	2.00	16.48
R8923962	TCU 89-21	1686.00 1690.50	E28867	5	E510	E37600	E38800	E236000	21.669	0.632	624.61	18.218	4.43	3.78	31.06
R8923963	TCU 89-21	1690.50 1693.00	2720	5	95.7	9010	8540	E18200	2.880	0.084	103.30	3.013	0.89	0.77	2.25
R8923964	TCU 89-21	1693.00 1697.00	3740	5	E124	E13600	E21300	E59100	3.840	0.112	131.49	3.835	1.37	2.20	5.50

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## ANALYTICAL METHODS

- Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Ht Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
- Ag AQUA REGIA DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS
- Pb AQUA REGIA DECOMPOSITION / AAS
- Zn AQUA REGIA DECOMPOSITION / AAS
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)
- Cu(1) ASSAY
- Pb(1) ASSAY
- Zn(1) ASSAY

TULSEQUAH-WD

TCU89-21

Job U 89-0585R

REPORT DATE 29 JAN 1990

LAB NO	FIELD NUMBER	DRILL INTERVAL FROM (METRES) TO	AU PPB	WT AU GRAM	AG PPM	CU PPM	PB PPM	ZN PPM	CU(1) %	PB(1) %	ZN(1) %	AU(1) G/T	AU(1) OZ/T	AG(1) G/T	AG(1) OZ/T
R8923965	TCU 89-21	1619.00 1624.00	<10	5	.7	47	105	344							
R8923966	TCU 89-21	1624.00 1628.00	<10	5	.5	64	64	224							
R8923967	TCU 89-21	1628.00 1633.00	<10	5	.4	52	45	243							
R8923968	TCU 89-21	1633.00 1638.00	24	5	.5	18	28	82							
R8923969	TCU 89-21	1638.00 1642.00	24	5	.4	14	29	63							
R8923970	TCU 89-21	1642.00 1645.00	28	5	.6	17	48	73							
R8923971	TCU 89-21	1645.00 1647.00	180	5	2.5	452	161	976							
R8923972	TCU 89-21	1647.00 1651.00	3860	5	77.2	6500	6030	E46600	0.65	0.63	5.05	3.223	0.094	81.67	2.382
R8923973	TCU 89-21	1651.00 1654.00	402	5	4.2	752	528	2570	0.08	0.06	0.26	0.549	0.016	3.83	0.112
R8923974	TCU 89-21	1654.00 1656.50	1680	5	51	3550	7610	E34800	0.37	0.75	4.20	1.920	0.056	36.67	1.070
R8923975	TCU 89-21	1697.00 1703.00	480	5	16.6	7180	498	1850	0.74	0.06	0.20	0.686	0.020	15.33	0.447
R8923976	TCU 89-21	1703.00 1708.00	604	5	16.9	3730	4780	E14600	0.39	0.51	1.48	0.480	0.014	14.33	0.418
R8923977	TCU 89-21	1708.00 1713.00	2440	5	65.2	E15500	E12700	E78600	1.85	1.31	9.40	2.674	0.078	60.00	1.750
R8923978	TCU 89-21	1713.00 1716.10	4800	5	E100.5	E34800	1560	8810	4.55	0.18	1.23	4.389	0.128	103.33	3.014
R8923979	TCU 89-21	1716.10 1720.20	296	5	15.3	1200	600	1610							
R8923980	TCU 89-21	1720.20 1724.00	38	5	5.6	88	79	297							
R8923981	TCU 89-21	1724.00 1727.20	40	5	1.6	28	43	157							
R8923982	TCU 89-21	1727.20 1732.20	656	5	6.8	117	716	899							
R8923983	TCU 89-21	1732.20 1737.20	784	5	7.2	102	1590	2760							
R8923984	TCU 89-21	1755.50 1760.50	82	5	5.2	68	693	1430							
R8923985	TCU 89-21	1760.50 1765.50	40	5	3.2	22	62	130							
R8923986	TCU 89-21	1765.50 1770.50	<10	5	2.1	30	689	1270							
R8923987	TCU 89-21	1770.50 1775.50	<10	5	2.4	29	664	1210							
R8923988	TCU 89-21	1775.50 1780.50	42	5	2.9	60	188	832							
R8923989	TCU 89-21	1780.50 1785.50	20	5	.6	25	185	317							
R8923990	TCU 89-21	1785.50 1790.50	<10	5	.4	73	23	166							
R8923991	TCU 89-21	1801.30 1803.40	24	5	1.2	117	374	2520							
R8923992	TCU 89-21	1803.40 1808.50	<10	5	1	214	360	2410							
R8923993	TCU 89-21	1808.50 1813.30	182	5	9.6	2860	429	E27500			3.80				
R8923994	TCU 89-21	1813.30 1816.30	<10	5	1.4	49	39	291							
R8923995	TCU 89-21	1816.30 1821.30	<10	5	.5	27	130	296							
R8923996	TCU 89-21	1821.30 1826.30	<10	5	.5	32	379	698							
R8923997	TCU 89-21	1826.30 1831.30	24	5	1.8	137	1130	3030							



LAB NO	FIELD NUMBER	DRILL INTERVAL		Au	Ht Au	Ag	Cu	Pb	Zn	Cu(1)	Pb(1)	Zn(1)	Au(1)	Au(1)	Ag(1)	Ag(1)
		FROM (METRES)	TO	PPB	GRAM	PPM	PPM	PPM	PPM	PPM	%	%	%	G/T	OZ/T	G/T
R8923998	TCU 89-21	1831.30	1836.30	46	5	1.3	102	486	2370							
R8923999	TCU 89-21	1836.30	1841.30	<10	5	1.8	76	472	1310							
R8924000	TCU 89-21	1841.30	1846.30	<10	5	.4	20	223	471							
R8924001	TCU 89-21	1846.30	1851.30	<10	5	<.4	17	21	109							
R8924002	TCU 89-21	1851.30	1856.30	<10	5	.4	20	111	183							
R8924003	TCU 89-21	1856.30	1862.40	<10	5	.8	19	161	369							
R8924004	TCU 89-21	1877.50	1882.50	<10	5	<.4	29	6	175							
R8924005	TCU 89-21	1882.50	1887.50	<10	5	<.4	15	4	135							
R8924006	TCU 89-21	1887.50	1892.50	<10	5	<.4	9	<4	113							

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## ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS

Ht Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)

Ag AQUA REGIA DECOMPOSITION / AAS

Cu AQUA REGIA DECOMPOSITION / AAS

Pb AQUA REGIA DECOMPOSITION / AAS

Zn AQUA REGIA DECOMPOSITION / AAS

Cu(1) ASSAY

Pb(1) ASSAY

Zn(1) ASSAY

Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)

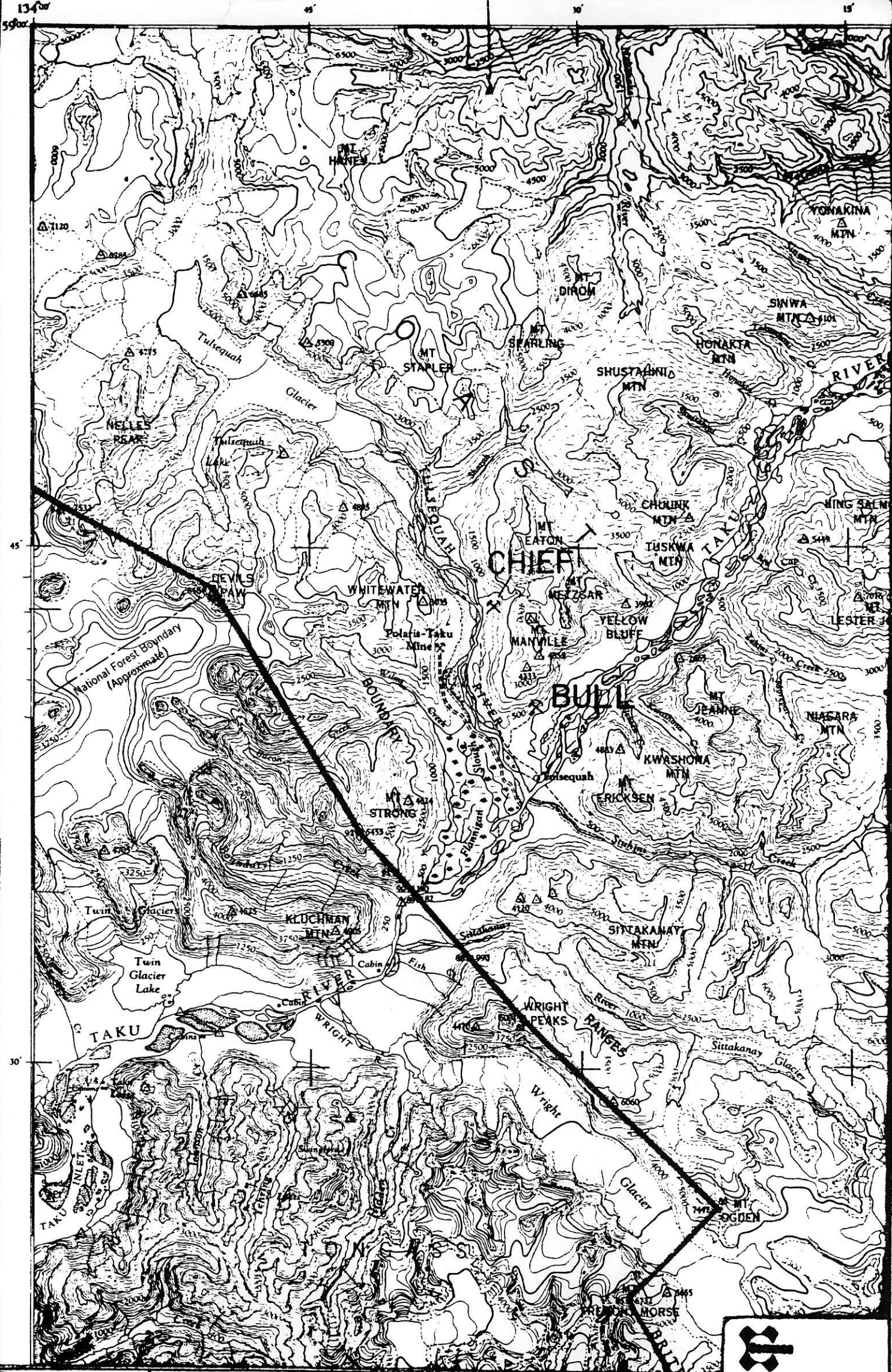
Au(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)

Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)

Ag(1) FIRE ASSAY /LEAD COLLECTION /AA (LOW LEVEL) OR GRAV. FINISH (HIGH LEVEL)

## APPENDIX C

Diamond Drill Hole Logs TCU-89-12 to 21



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

**TULSEQUAH CHIEF PROPERTY  
LOCATION MAP**

Scale: \_\_\_\_\_ Date: \_\_\_\_\_

