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Chief Inspector of Mines
MAY 14 1962
Referred to.....
Ans'd.....

ROCHER DE BOULE MINE

Log of Examination

No. 2 Vein, ~~REDACTED~~.

PROPERTY FILE

Log of examination of No. 2 Vein, 1200 level, Rocher de Boulé Mine.

Measurements are recorded as distances ^{West} from the junction of the Drift and Main Crosscut.

Mr. Legg's samples are prefixed by W.U.

Company samples are recorded as a number followed by the letter W.

Department samples are numbered from 701 to 780.

Location	Sample Nos.		Remarks	
	Legg	Co. Dept.		
70	281W	727	1.4' quartz with minor galena. Vein enters hangingwall of drift.	Not of Commercial Value (N.C.V.)
77	280W		1.5' quartz. Some sulphide painting on joint faces up to 3 feet from vein.	
+106	279W		2.5' crushed quartz with guage. No sulphides.	
134	278W	726	1.8' crushed quartz and granodiorite. Rare sulphides.	
148	87W		0.5' quartz with galena and sphalerite.	
155	277W		0.7' quartz. No sulphides	
168	86W		0.2' quartz with galena and sphalerite. N.C.V.	
176	276W		1.0' quartz with galena, sphalerite and minor amounts of tetrahedrite.	
189	85W		0.2' guage.	
197	275W		0.3' quartz. Rare sulphides.	
208	206W		0.8' guage.	
	84W			
218	274W		1.4' guage.	
228	83W	725	0.6' crushed quartz. Rare sulphides.	
	272W			
	273W			
238	269W		0.3' crushed quartz. No sulphides. Very rare scheelite.	
	270W			
	271W			
248	267W		1.0' quartz with rare sulphides in hangingwall section.	
	268W			
259	265W		1.2' crushed quartz with some galena and sphalerite.	
	266W			
269	81W	724	1.8' crushed quartz. This sample was taken across part of 262W.	
	262W			
	263W			
	264W			
278	260W		3.0' quartz with small amount of sulphides.	
287	258W			
	259W			
289	80W		1.3' quartz with some galena and sphalerite.	

Location	Legg	Sample nos. Co.	Dept.	Remarks
300		257W		1.7' quartz and gauge.
309		79W		1.0' quartz and gauge with rare sulphides
		256W		
322		255W	723	2.0' quartz and gauge.
327		78W		1.8' gauge.
331		254W		2.0' gauge with some chalcopyrite and malochite.
337		253W		3.5' quartz with minor scattered sulphides.
351		252W		1.3' quartz and gauge with rare sulphides
360		251W		2.0' gauge.
370		250W	722	1.5' crushed quartz, gauge and rare scattered sulphides.
380		249W		1.5' crushed quartz, gauge and rare scattered sulphides.
30		76W		3.0' crushed quartz, gauge and rare sulphides.
31.5		248W		3.0' crushed quartz, gauge and rare sulphides.
401		246W		3.5' crushed quartz, gauge and rare scattered sulphides.
		247W		
409.5		75W		0.7' quartz with rare scattered sulphides.
411		244W		0.7' quartz with rare scattered sulphides and shheelite.
		245W		
418		74W		0.7' quartz with rare scattered sulphides and scheelite.
420		243W	721	0.6' quartz with very scattered sulphides. Minor sulphides and quartz in hangingwall. Rare scheelite
420			720	Specimen sample wallrock mineralization.
431		24W		0.8' quartz with rare scattered sulphides. Erratic sulphide mineralization in hangingwall.
		73W		
		242W		Sample of hangingwall mineralization.
443		240W		1.0' quartz, gauge and rare scattered sulphides.
450		72W	719	1.5' quartz with rare scattered sulphides.
461		239W		0.9' quartz, gauge and rare scattered sulphides.
70		71W		1.6' sheared rock with minor quartz and rare scattered scheelite.
91		70W		1.0' shear.
503		238W	718	1.0' barren quartz.
510		69W		1.3' barren quartz.
514				Eastside of centre raise to 1000 level.
528				Westside of centre raise to 1000 level.
540		237W	717	0.8' quartz, no sulphides.
546		67W		
549		236W		1.0' quartz, chalcopyrite partings in first foot of hangingwall rock.
559		234W		0.8' quartz and minor sulphides.
561		66W		1.6' quartz, calcite and minor sulphides.
		233W		
569		232W	716	0.9' quartz with minor sulphides and erythrite.
581.5		231W		0.8' barren quartz.
591		230W		1.2 quartz and gauge with minor sulphides.

Location	Legg	Con	Dept.	Remarks
601		65W 228W 229W		2.5' barren quartz with minor chalcopryite in the footwall rock.
609		226W 227W	715	1.0' quartz with weak sulphides.
621		64W		0.25' oxidized quartz.
622		225W		0.7' gauge, no sulphides.
633		224W		0.8' quartz and minor sulphides
642		63W 223W	714	0.2' quartz no sulphides.
652		221W 222W		0.9' quartz, minor sulphides and rare scattered scheelite.
66.5		65W 60W 220W		1.2' quartz, quartz and minor sulphides. 0.9' quartz and increasing sulphides.
673		218W 219W	713	0.8' quartz with isolated patch of sulphides in footwall rock.
682		216W		0.8' quartz with minor sulphides
690		215W		0.5' quartz with minor sulphides
702		61W		0.8' " " " "
719		59W	712	1.2' " " " "
742		58W		1.2' " " " "
762		57W	711	0.7' " " " "
782.5		214W		0.8' " " " "
802		212W		Sample from barren hangingwall
803		34W		1.0' quartz with fair sulphides
805		213W	710	0.9' " " " "
819		33W		NIL
9		210W		"
954		29W		"
983.5		28W		"
997		27W		0.4' quartz with rare sulphides
1002		26W		0.8' barren quartz at 207W
101		30W		
1019		207W 206W		F.W. sample nil
1026		25W		1.2' quartz.
1038.5	WU9	282W		1.3' quartz.
				0.9' quartz. No. sulphides
1040.5		24W		2.0' wallrock - hangingwall split - no sulphides.
		147W		0.6' no sulphides in vein or hangingwall
		283W		
1047.5	WU10	284W		1.0' quartz. Thin sulphide partings in joints in hangingwall. N.C.V. No sulphides in footwall.

Location	Sample No.		Remarks.
	Legg	Co. Dept.	
1050		285W	0.5' quartz. Scattered partings of sulphides in joints in hangingwall N.C.V.
1056.5		148W	0.3' quartz - part of veins.
		286W	1.5' quartz with local increased concentrations of scheelite.
		287W	
1059.5	WU11		1.8' quartz - Good sulphides in vein. No sulphides in hanging or footwalls.
1062		288W	2.0' quartz.
1069	WU12	709	2.5' quartz. No sulphides in hanging or footwalls. Legg gave this width as 1.5'.
1076.5		149W	2.0' quartz No. sulphides in hanging or footwalls.
1079	WU13	292W	3.2' quartz. Good sulphides in vein. No sulphides in hanging or footwalls.
1083		289W	1.0' quartz in 289W. 290W hangingwall sample. No sulphides.
		290W	
	WU15		2.0' quartz. No mineralization in footwall and very sparse mineralization in the hangingwall N.C.V.
1089	WU16	708	1.5' quartz. No sulphides in wallrock. Mr. Legg's sample had a width of 13 inches.
1092		150W	
		151W	
		152W	
		292W	
1102		293W	
1110	WU18?		Number obscure.
1114		163W	26" quartz with good sulphides.
1115	WU17?		Number obscure. Eastside of raise above 1200 level.
1119			Eastside winze to 1300 level.
1143 Rail+42'		159W	2.3' quartz. Discontinuous banding of scheelite in footwallside of vein. No sulphides in wallrocks.
1154 Rail+40'		158W	1.2' quartz. Some scattered sulphides in hangingwall N.C.V.
1154.5 Rail+40'		291W	0.5' Marked as a new sample to replace part of 158W. This sample taken from footwall side of vein where scheelite content is high.
1164 Rail+40'		159W	1.5' quartz with good sulphides and discontinuous bands of scheelite.
1169	WU19		1.7' quartz. 0.8' crushed rock with weak sulphides on hangingwall side of vein. Remainder quartz with weak sulphides. Legg sample width 1.0 feet.
1171		165W	1.0' quartz. No sulphides.
1172 Rail+36'		160W	1.8' quartz with good sulphides and discontinuous bands of scheelite. Scattered sulphides in hangingwall N.C.V. Samples 294W and 295W were taken up the hangingwall face at this point and are of no value.
1179	WU20		0.8' quartz. No sulphides in wallrocks.
1180		166W	1.0' quartz with weak sulphides. No sulphides in wallrocks.
1191.5	WU21		1.2' quartz with medium sulphides. This sample did not include 0.2' of quartz and chalcopryrite which was frozen to the hangingwall.
1192/5		167W	2.2' quartz with rare sulphides. Narrow band of quartz and chalcopryrite frozen to the hangingwall face.
1199	WU22		1.3' quartz with poor sulphides. No sulphides in hangingwall and rare in footwall.

Location	Legg	Co.	Dept.	Remarks
1200.5		168W		1.2' quartz with rare sulphides.
1209.5	WU23			0.6' quartz with minor scattered sulphides extending 30' into footwall. Mr. Legg records this width as 4.0 feet therefore he probably included the footwall mineralization.
1211		169W		4.0' On the hangingwall side there was 1.0' vein matter while the remaining 3.0' was sparsely mineralized with sulphides.
1211.5		708		5.7' Hangingwall split 0.8' quartz and good sulphides. Footwall 0.4' quartz with good sulphides. Intervening 4.5' waste has sulphide partings.
1216 Rail+16		154W		1.3' Sample taken on footwall through an isolated sulphide concentration.
1220	WU24			3.3' quartz. No sulphides in wallrocks. Legg reports width as 2.7 feet.
1221 Rail+42'		155W		1.3' quartz with good sulphides and scattered scheelite. Sulphide painting 1/32" thick on flat joint plane in hangingwall N.C.V.
1222		170W		3.0' quartz with fair sulphides on footwall side of vein.
1229.5	WU25			1.7' quartz and fair sulphides.
1231 Rail+36		B.510?		2.0' quartz. About 2.0' back in hangingwall. A 1/16" thick band of chalcopyrite parallels the vein.
1232.5		156		
1233.5		B.5		2.2' quartz.
		171W		3.0' This sample was cut so that it included a blob of sulphides in the footwall about 0.5' in diameter. No sulphides or scheelite in rest of wallrocks.
1240	WU26			5.5' Rich in sulphides and scheelite. No sulphides in hangingwall. 1.0' light scattered sulphides in footwall.
1242		172W		3.0' Good sulphides and scheelite.
1249.5	WU27			0.8' Scattered scheelite. No sulphides in the hangingwall and rare in the footwall.
1251		173W		1.0'
1259		174W		0.7' Rare sulphides and minor scheelite.
1260	WU28			0.4' Rare sulphides and minor scheelite.
1271		175W		2.5' Vein width 0.7' on footwall side of shear. Rare sulphides.
1271	WU29			0.7' quartz. Vein only sampled. Rare sulphides.
1279		176W		4.0' Poor overall mineralization.
1281	WU30			4.2' Vein width 2.0 feet No sulphides in hangingwall and rare in footwall.
1288		177W		2.4' Vein section with fair sulphides and small blobs of scheelite.
1289		181W		1.2' sample taken in hangingwall. No sulphides.
1289				East edge of raise.
1293.5		178W		1.0' quartz with good sulphides and rare scheelite. Tendency for sulphides to cling to hangingwall.
1298				West edge of raise.
1300.5		179W		3.6' vein in hangingwall. 2.0' vein section on footwall side of sample. No scheelite.
		180W		Across 5.0' in footwall and includes 2.0' vein section.
1301.5	WU31			Vein split. Footwall section 1.5', hangingwall section 2.0', 1.7' waste between. In vein sections, quartz with chalcopyrite and erythrite. No scheelite. No sulphides in wallrocks.
1301.5		705		2.0' quartz. Hangingwall section of vein. Mineralization as above.
1301.5		706		1.5' quartz Footwall section of vein. Mineralization as above.
1308.5		704		1.3' quartz. Footwall section. Abundant sulphides.
1308.5		703		6.0' waste between hangingwall and footwall splits. Some sulphides present.
1308.5		702		1.3' quartz with fair sulphides. Hangingwall split.

<u>Location</u>	<u>Legg</u>	<u>Co.</u>	<u>Dept.</u>	<u>Remarks.</u>
1312	WU32	183W		6.0' total. Hangingwall section 3.0' quartz. Midsection 2.0' waste. Footwall section 1.0' quartz. Fair sulphides, no scheelite.
1322		182W		5.5' Footwall sample. No sulphides.
1324		185W		7.0' mixture of crushed quartz and wallrock. About 70% of mixture barren of sulphides.
1331		184W		4.0' total mineralized section. About 1.0' on footwall side of section not mineralized. No scheelite at point sample was cut but scattered blebs follow hangingwall side of vein at this point.
1331		186W		6.0' Footwall sample. No sulphides.
1332.5	WU34			Same width and comments as at 186W.
1341 Rail+24	WU38			1.5' principally quartz. Fair sulphides. No wallrock mineralization by sulphides.
1348		188W		2.8' This sample not representative of actual condition as it was taken so as to include an isolated patch of chalcopyrite in footwall. Banding of scheelite on hangingwall. Some sulphide mineralization extends 0.2' into hangingwall. None in footwall.
1351 Rail+24	WU37			1.5' WU 37 taken from the westside and at the back of the raise. Fair sulphides and some banding of scheelite on hangingwall side of vein. No sulphides in footwall. Hangingwall sparsely mineralized by sulphides to a depth of 0.2'.
1360.2 Rail+24	WU35			1.5' Mixture of quartz and wallrock. Fair sulphides. Slight mineralization in footwall, none in hangingwall.
1360.2				0.5' crushed quartz and fine scattered sulphides. No hangingwall sides. Sample cut from bottom of drift.
1364		190W		3.0' total width. 1.5' quartz with heavy sulphides and erythrite. Trace of sulphides in footwall.
1369.2	WU7			1.0' crushed quartz and minor sulphides. An isolated blob of chalcopyrite about 1.0' within hangingwall.
1370.2	WU36?			1.5' total width 0.7' quartz on the hangingwall side. No sulphides in footwall. Traces of sulphides extending 0.2' into hangingwall.
1375		297W		1.5' crushed quartz and wallrock with fair sulphides. Minor scheelite. Sample taken from drift back.
1375		296W		2.3' Sample taken from hangingwall rock. About 0.2' chalcopyrite and small blebs of scheelite.
1381.4	WU6			1.9' Banded quartz vein 0.65' wide in middle of section. Abundant sphalerite in quartz and good sulphides toward footwall. Abundant scheelite. No sulphides in wallrocks.
1381.5		191W		1.9' Same as above. This point marks the granodiorite - sedimentary tuff contact.
1384.6		B#7		1.0' 0.2' quartz in middle of section. Heavy sulphides on footwall side of vein. Abundant scheelite.
1389		192W		1.7' This sample was taken in part running down the hangingwall face where there was a rich concentration of scheelite. The WU3 assay will be higher than it should
1391.5	WU5			1.2' Vein reappears on hangingwall. Considerable scheelite, both in bands in narrow quartz vein and as blebs in hangingwall. Chalcopyrite, tetrahedrite and erythrite in hangingwall. Garnetite but no sulphides present in footwall.
1411.5		193W		7.3' taken across back of drift. No sulphides.
1422	WU4			0.85' Quartz with chalcopyrite and galena. Rare scheelite. No sulphides in footwall. Vein reappearing on hangingwall face.
1423.2		194W		1.0' Contains 0.2' crushed quartz. Small amount of scattered sulphides in rest of section.

<u>Location</u>	<u>Legg</u>	<u>Co.</u>	<u>Dept.</u>	<u>Remarks</u>
1431.1	WU3			0.6' Taken across drift bottom - all quartz, no sulphides. No sulphides in wallrock.
1433.2		195W		1.7' Taken across drift bottom 0.5' quartz. No sulphides.
1441	WU2			0.7' Quartz taken from bottom of drift. No visible sulphides in section or in wallrocks.
1443.5		197W		3.3' Taken from drift back. Mixture of crushed quartz and wallrock. No visible sulphides.
1444		196W		1.8' Taken from drift bottom. Quartz with minor scattered sulphides.
1451.2	WU1			0.6' Quartz. No sulphides in vein or wallrocks.
1453		199W		7.3' Taken from drift back. 0.4' quartz. This sample cuts across an isolated patch of chalcopryrite about 0.4' in diameter. Sample not truly representative of general conditions.
1453.5		198W		1.2' Taken across shear in bottom of drift. Contains 0.1' quartz. No sulphides.
1463		200W		1.4' Taken across shear. No sulphides.
1466		217W		0.8' Scab of magnetite on hangingwall face.
1472.5		201W		0.4' Crushed mixture of quartz and gauge. No sulphides.
1501		202W		6.0' Taken right across drift and includes 0.3' of disseminated chalcopryrite. N.C.V.
1502		203W		6.0' Taken right across drift. No sulphides visible.
1503		204W		6.0' Taken right across drift. Minor amounts of chalcopryrite and erythrite. N.C.V. Minor scheelite.
1509			701	0.9' Quartz with minor chalcopryrite and pyrite.
1512		205W		3.5' Section includes 0.9' quartz. Remainder contains fine disseminated chalcopryrite. N.C.V. Minor scattered scheelite.
1521				Face of drift.

Between Main Crosscut and East raise in No. 2 Vein east drift, there is no ore. The drift follows a tight shear with very little quartz and no sulphides present.

Winze below 1200 level.

All sampling points were examined and the sample widths corresponded to those shown on the plan. In all cases the samples included any mineralization occurring on hanging or footwalls. Mr. Legg's samples were taken from the west side of the winze while Mr. Jasper's were taken from the east side. The general mineralization and character of the exposures on either side corresponded very closely. The occurrence of scheelite in the hangingwall is discussed fully in the inspection report.

West Raise 1200 level.

R +256		732	0.6' Quartz, gauge and moderate sulphides.
+236	BM11		0.8' Crushed quartz with scattered sulphides.
+216	BM9		0.6' Quartz, gauge and scattered sulphides.
+196	BM7	733	0.3' Crushed quartz, with azurite and malachite.
+176			0.8' Crushed quartz and gauge. Oxidized, no sulphides.
+156	BM4	734	0.8' Crushed quartz, gauge with minor sulphides and copper carbonates.
+116			1.0' Crushed shear. No quartz or sulphides.
+100		735	1.3' Quartz, gauge and small amount of sulphides.
+80			0.3' Quartz with galena and sphalerite.
+65			0.6' Quartz with minor sulphides.
+50		736	1.1' Quartz with good sulphides. Sample BM1 taken here.

Raise breaks into stope above winze below "rail 50".

+136 0.1' Crushed quartz and gauge with minor copper carbonates.

<u>Location</u>	<u>Legg</u>	<u>Co.</u>	<u>Dept.</u>	<u>Remarks.</u>
Middle Raise 1200 level				
Rail +25			731	0.4' Quartz with scattered sulphides.
+45				0.9' Sheared wallrock.
+55-115				Vein covered by muck.
+125				1.0' Sheared wallrock. No sulphides.
+140	50W		730	0.8' Crushed quartz with sulphides.
145				1.2' Sheared wallrock with massive chalcopyrite. Some sulphides in joint partings in hangingwall
165				0.9' Sheared wallrock. No sulphides.
185				1.8' Sheared wallrock. Oxidized. Scattered sulphides.
205			729	0.6' Crushed quartz, oxidized and rare sulphides.
225	43W			0.3' Crushed quartz and rare sulphides.
245				0.8' Sheared wallrock with rare sulphides
265				2.4' Crushed quartz with good sulphides.
280	46W		728	1.0' Crushed quartz and rare sulphides.
305	47W		754	1.0' Crushed quartz and heavy sulphides.
325	48W		753	1.0' Quartz with fair sulphides.
345	49W		752	2.0' Crushed quartz, oxidized. Good sulphides.
355				1.9' Crushed quartz, oxidized. Good sulphides.
365				1000 level rail.

East Raise 1200 level

Rail +8 to 190				Shear. Sometimes minor chalcopyrite paints on joint planes. N.C.V.
+200				0.3' Barren quartz.
+225				0.5' Milky quartz with minor sphalerite.
250				0.8' Barren milky quartz. Sub level at this point. At foot of sub level raise there is a large local mass of quartz rich in chalcopyrite
300				1.0' Barren milky quartz.
327				1000 level rail.

1000 level

Distances are measured from the west face of the drift pillar at the junction of the adit crosscut with the west drift.

0-70				East drift face.
0-50		772	6.0'	Mixed quartz and wallrock. Poor sulphides.
0+00		771	2.5'	Quartz with moderate chalcopyrite.
0+20		770	3.0'	Mixed quartz and sulphides 1.5'. Sheared granodiorite 1.5'. Some sulphides in wallrocks.
+30				East end of stope over 1000 level.
+50				East side east raise down to 1200 level.
+62				West side east raise down to 1200 level
65		769	1.5'	Crushed quartz and wallrock with minor carbonates.
67				West end of stope over 1000 level.

<u>Location</u>	<u>Legg</u>	<u>Co.</u>	<u>Dept.</u>	<u>Remarks</u>
70				1.3' Crushed quartz, oxidized and with copper carbonates.
80				2.4' Crushed quartz, oxidized and with copper carbonates.
100			768	2.0' Crushed quartz, oxidized and with copper carbonates and minor sulphides. Abundant malachite on hangingwall.
120				2.5' gauge and sulphides. Considerable sulphides in footwall and abundant malachite on hangingwall.
140			767	0.7' Crushed quartz and wallrock. Oxidized. Minor sulphides and carbonates.
156				East end of stope over 1000 level
217				West end of stope over 1000 level.
220				1.2' Frozen quartz with chalcopyrite.
240				East side of raise above 1000 level
252			766	2.0' Crushed quartz, oxidized with malachite and sulphides. Sample from drift bottom.
260				West side of raise above 1000 level.
280				2.0' Crushed quartz and shear. Abundant copper carbonates.
295	WU98			Vein buried in hangingwall.
315	WU96			0.5' Good sulphides in shear, none in wallrocks.
335	WU94			3.0' Crushed quartz, gauge and minor copper carbonates.
345			765	2.5' Crushed quartz and gauge with minor copper carbonates. No sulphides in wallrocks.
355	WU92			2.5' Oxidized shear with some copper carbonates.
375	WU90			2.7' Crushed quartz and gauge with minor copper carbonates. No sulphides in wallrocks.
395	WU88		764	2.5' Crushed quartz gauge and in particular heavy carbonates on hangingwall.
415	WU86		763	1.7' Crushed quartz and gauge with rare copper carbonates.
435	WU84		762	1.1' Gauge and scattered chalcopyrite. No wallrock mineralization.
455	WU82		761	1.4' Gauge, no sulphides.
475	WU80		760	5.0' Sheared quartz and wallrock, with magnetite and good sulphides. No sulphides in wallrock.
495	WU78			4.5' Sheared quartz and wallrock, oxidized and with minor copper carbonates.
505	WU76			2.8' Sheared quartz and wallrock, oxidized, minor copper carbonates, no sulphides in wallrocks.
515	WU74			1.2' Crushed quartz, oxidized. Minor sulphides and copper carbonates.
545				1.4' Sheared material, no sulphides. East side of raise.
555	WU72			West side of raise.
				2.0' Sheared quartz and wallrock. Good sulphides. Hangingwall mineralized by copper carbonates
				No sulphide mineralization in footwall.
575	WU70		759	3.3' Quartz and sheared wallrock with good sulphides and magnetite.
600			758	1.8' Quartz with minor sulphides.
620				1.5' Quartz and sulphides.
640			757	2.0' Quartz and minor sulphides. Minor sulphides in footwall.
660			756	1.0' Oxidized quartz.
680				1.9' Crushed quartz and wallrock, No sulphide mineralization in wallrocks.
700				0.3' Shear with good sulphides.
715				East side of raise.
730				West side of raise.

<u>Location</u>	<u>Leg</u>	<u>Co.</u>	<u>Dept.</u>	<u>Remarks</u>
740			755	2.0' Crushed quartz and wallrock with fair sulphides and minor copper carbonates.
746				East side of centre raise down to 1200 level.
755			751	1.5' West side of centre raise to 1200 level. Quartz and minor chalcopyrite in both walls adjoining quartz vein.
760				0.3' Quartz with minor sulphides.
780				1.8' Quartz and shear with minor sulphides.
785			750	0.3' Quartz and minor sulphides.
800			749	2.0' Quartz, shear and minor sulphides. Rare scheelite.
820				2.0' Quartz, minor sulphides and cobalt bloom. Fair mineralization in hangingwall. None in footwall.
840			748	1.5' Quartz and minor sulphides. Small amount of sulphides in hangingwall.
850				1.0' Shear with rare carbonates. This sample marks east end of heavier mineralized vein section
900			747	0.9' Crushed quartz with minor copper carbonates.
910			746	0.4' Quartz minor sulphides and copper carbonates.
920				This location marks west end of heavier mineralized vein section.
940			745	1.8' Quartz with fair sulphides and copper carbonates.
960				1.0' Shear. No quartz or sulphides.
980				0.4' Shear. No quartz or sulphides.
1000		11W	744	0.1 Shear. No quartz or sulphides.
				2.0 Quartz with scattered sulphides 1.6' wide. 0.4' hangingwall mineralization by sulphides and scheelite.
1020				1.2' Quartz, and shear with rare sulphides.
1040			743	1.0' Crushed quartz with sulphides and some copper carbonates.
1060				1.5' Crushed quartz and shear, oxidized and with some copper carbonates.
1080				0.7' Crushed quartz and shear with some copper carbonates.
1088	WU69			2.0' Quartz and fair sulphides. No wallrock mineralization.
1093	WU68			2.1' Quartz and good sulphides.
1100				2.0' Quartz with good sulphides. Some scheelite nearby. No wallrock mineralization.
1100			742	0.4' Quartz with good sulphides, erythrite and copper carbonates. Moderate sulphides in hangingwall.
1135			741	1.0' Quartz with fair sulphides. Fair sulphides and copper carbonates in hangingwall fractures
1140				0.4 Crushed quartz with minor copper carbonates.
1150			740	1.0' Shear with minor sulphides.
1160				0.8 Crushed quartz, copper carbonates and minor scheelite.
1170	WU65			0.8' Crushed quartz with minor copper carbonates and scheelite.
1180	WU64			1.0' Crushed quartz with minor copper carbonates and scheelite.
1190	WU63		739	0.4 Crushed quartz, oxidized.
1200	WU62			1.0' Crushed quartz, oxidized and with minor copper carbonates.
1210	WU61			1.0' Legg's sample 3.3' and includes slightly mineralized wallrock.
1220	WU60			0.5' total mineral width 1.5' Crushed quartz, good sulphides, minor scheelite. Some fair chalcopyrite in hangingwall. Leggs sample 1.5' and includes slightly mineralized wallrocks
1230	WU59		738	1.4' Crushed quartz with good sulphides and minor scheelite. Minor chalcopyrite in hanging-wall. Legg's sample included hangingwall mineralization.

<u>Location</u>	<u>Legg</u>	<u>Co.</u>	<u>Dept.</u>	<u>Remarks</u>
1240	WU58			1.5' Quartz with fair sulphides, oxidized, Fair scheelite. Contact between granodiorite and sedimentary tuffs. Legg's sample 4.5' and includes slightly mineralized wallrock.
1260	WU56			1.6' Quartz with good sulphides and cobalt bloom. Minor sulphides in wallrocks. Legg's sample 3.0' and includes slightly mineralized wallrocks.
1270	WU55		737	2.5' Quartz with good sulphides and cobalt bloom. Legg's sample 3.3' and includes slightly mineralized wallrock.
1280	WU54			0.7' Quartz with good sulphides, erythrite and rare scheelite. Hangingwall well mineralized.
1297				Either hangingwall split or heavy sulphides and scheelite in hangingwall.
1300	WU52			2.0' 0.4' Quartz and heavy chalcopryrite. Good sulphides in hangingwall. Included in Legg's sample.
1320	WU50			1.4' 0.3' Quartz with heavy chalcopryrite in hangingwall. Legg's sample was 1.2' and included this mineralization.
1328				FACE

1000 level Additional samples taken in raises and stopes.

0+50 Rail+38	773	2.5' Crushed quartz, calcite and wallrock with minor sulphides Dip 50°
0+225 Rail+130	774	4.0' Quartz with good sulphides. Dip 40°
0+230 Rail+120		4.0' Massive chalcopryrite band on rib. Band approximately 1.5 feet wide and 8 feet long. Dip 48°
0+290 Rail+92	775	3.0' Crushed quartz and shear, oxidized and with scattered copper carbonates. Dip 43°
0+322 Rail+104	776	2.4' Oxidized shear with minor copper carbonates. Dip 45°
0+535 Rail+50	777	1.4' Shear with rare quartz and minor sulphides. Oxidized. Dip 53°
0+535 Rail+100		1.4' Shear with rare quartz and minor sulphides. Oxidized. Raise bulkhead caved at this point Dip 53°
0+715 Rail+80	778	2.7' Sheared wallrock with good sulphides Dip 40°
0+715 Rail+50	779	2.5' Sheared quartz, oxidized wallrock and rare copper carbonates. Dip 40°
0+715 Rail+25	780	1.8' Quartz 0.8' Footwall well mineralized with chalcopryrite to a depth of 1.0 feet. Dip 40°.

NOTES

The lower limit of detection for Cobalt and for Tungsten is 0.01%, by the methods used. Any percentage lower than this is reported as "Nil".

A percentage of Cobalt less than 0.05% is reported as "Trace". However, ten samples were assayed for Cobalt by a special method, and their exact percentages reported, even though they were less than 0.05%. The purpose of these ten assays was to establish the correctness of the statement that a Trace means less than 0.05% Cobalt.

The lower limit for the detection of lead, zinc, and molybdenum is 0.01%, by the methods used; any percentage lower than this is reported as "Nil".

By "Trace" is meant a percentage approximately within the range of 0.01 - 0.04%.

When lead or zinc has been detected in a percentage less than 0.5%, or when molybdenum has been detected in a percentage less than 0.1%, this fact is represented by a "p" in the body of this report, except when the percentage is so low that it is called a "Trace". However, certain samples were assayed for lead, zinc, and molybdenum and their exact percentages reported, even though they were less than these percentage limits. The only purpose of these assays was to establish the correctness of the statement that "p" means less than 0.5% for lead and zinc, and less than 0.1% for molybdenum.

ROCHER DEBOULE MINE

Samples taken by J. E. Merrett, Inspector of Mines, Lillooet

May 5 and April 28, 1952. (1.1.1)

Laboratory No.	Submitter's Mark	Gold oz. per ton	Silver oz. per ton	Copper %	Cobalt %	Tungstic Oxide %	Lead %	Zinc %	Molybdenum %
4802 M	701	Trace	0.6	0.3	0.25	0.04	Trace	Nil	Trace
4803 M	702	0.09	7.0	10.5	Trace	Trace	Trace	Nil	Nil
4804 M	703	0.01	2.2	0.5	Trace	Trace	P	Trace	Trace
4805 M	704	0.12	4.4	1.6	Trace	Nil	0.2	0.4	Trace
4806 M	705	0.15	8.0	13.8	0.02	Nil	P	P	Trace
4807 M	706	0.06	11.0	3.9	Trace	Nil	P	Trace	Trace
4808 M	707	0.02	6.0	2.1	Trace	Nil	Trace	Nil	Trace
4809 M	708	0.13	10.1	6.8	0.04	Nil	0.1	0.2	Nil
4810 M	709	0.34 -	7.2	6.1	Trace	Nil	0.3	0.1	0.06
4811 M	710	0.07	25.7	4.8	Trace	Nil	1.0	4.9	Trace
4812 M	711	0.02	8.9	0.8	Trace	Nil	1.0	2.0	Nil
4813 M	712	0.01	6.1	0.5	Trace	Nil	0.5	0.5	Trace
4814 M	713	0.02	16.8	3.6	Nil	Nil	0.8	1.0	Trace
4815 M	714	0.08	6.1	0.5	Trace	Nil	P	P	Nil
4816 M	715	0.01	5.5	0.8	Trace	Nil	0.2	0.5	Trace
4817 M	716	0.01	6.7	0.4	Trace	Nil	0.2	2.4	Trace

Laboratory No.	Submitter's Mark	Gold oz. per ton	Silver oz. per ton	Copper %	Cobalt %	Tungstic Oxide %	Lead %	Zinc %	Molybdenum %
4818 M	717	0.01	6.7	0.5	Nil	Trace	0.3	1.6	Nil
4819 M	718	0.01	2.4	0.2	Trace	Nil	P	P	Trace
4820 M	719	0.01	5.7	0.3	Trace	Nil	0.3	0.3	0.06
4821 M	720	Trace	Nil	0.01	Nil	Nil	Nil	Nil	Trace
4822 M	721	0.01	6.5	0.3	Nil	Nil	0.7	0.5	Nil
4823 M	722	0.01	1.6	0.1	Trace	Nil	0.5	0.8	0.18
4824 M	723	0.02	16.3	0.5	Trace	Nil	1.1	3.9	P
4825 M	724	0.02	0.8	0.5	Trace	Nil	0.04	0.6	0.09
4826 M	725	0.02	4.9	0.2	0.02	Nil	0.4	2.1	Nil
4827 M	726	0.02	0.5	0.2	Trace	Nil	P	P	Trace
4828 M	727	0.03	10.4	0.3	Trace	Nil	0.8	3.5	Trace
4829 M	728	0.04	14.9	1.1	Trace	Nil	0.5	1.3	Trace
4830 M	729	0.01	4.3	0.3	Trace	Nil	Trace	Trace	Trace
4831 M	730	0.34	51.9	4.6	Trace	Nil	1.0	2.2	Trace
4832 M	731	0.04	22.8	2.0	Trace	Nil	3.5	1.6	Trace
4833 M	732	0.06	7.7	4.6	0.03	0.06	P	P	P

Laboratory No.	Submitter's Mark	Gold oz. per ton	Silver oz. per ton	Copper %	Cobalt %	Tungstic Oxide %	Lead %	Zinc %	Molybdenum %
4834 M	733	0.01	21.6	1.4	Trace	Trace	1.0	0.5	P
4835 M	734	0.01	6.2	0.6	Trace	Nil	P	P	Trace
4836 M	735	0.13	4.8	6.4	0.01	0.04	P	P	Trace
4837 M	736	0.04	2.9	2.1	0.02	Nil	Trace	Trace	Trace
4838 M	737	0.03	13.0	1.8	0.08	Trace	0.6	1.6	Trace
4839 M	738	0.04	3.1	1.9	0.44	Nil	Trace	P	0.13
4840 M	739	0.04	2.7	1.0	0.05	Trace	0.2	0.5	Trace
4841 M	740	0.02	8.0	2.0	Trace	Nil	P	Trace	0.04
4842 M	741	0.01	0.2	1.5	Trace	Nil	P	Nil	0.02
4843 M	742	0.45-	9.0	4.0	Trace	Nil	0.7	0.6	Trace
4844 M	743	0.09	26.9	5.8	0.08	Nil	Trace	0.3	0.04
4845 M	744	0.07	2.3	9.5	0.04	Nil	Trace	Nil	P
4846 M	745	0.01	1.3	2.5	0.03	Nil	Nil	Nil	Trace
4847 M	746	0.01	19.3	1.7	Trace	Nil	1.5	0.6	Trace
4848 M	747	0.01	6.0	0.3	Nil	Nil	1.2	0.1	Trace
4849 M	748	0.01	2.7	1.5	Trace	Nil	Nil	Nil	Trace

Laboratory No.	Submitter's Mark	Gold oz. per ton	Silver oz. per ton	Copper %	Cobalt %	Tungstic Oxide %	Lead %	Zinc %	Molybdenum %
4850 M	749	0.07	43.3	5.0	Trace	Nil	0.1	0.9	Trace
4851 M	750	0.08	3.4	2.9	Trace	Nil	Trace	Nil	0.14
4852 M	751	0.04	6.0	8.2	Trace	Nil	0.2	0.5	Trace
4853 M	752	0.10	30.5	7.1	0.03	Nil	0.4	0.8	0.12
4854 M	753	0.06	24.0	2.9	Trace	Nil	1.5	2.7	Trace
4855 M	754	0.05	74.5	13.1	Trace	Nil	1.1	1.5	P
4856 M	755	0.02	31.9	2.4	Trace	Trace	0.5	3.0	Trace
4857 M	756	0.16	12.1	2.4	Trace	Nil	P	P	P
4858 M	757	0.04	6.8	4.9	Trace	Nil	Trace	P	P
4859 M	758	0.27 -	11.5	4.3	Trace	Nil	Trace	P	0.09
4860 M	759	0.02	1.4	2.6	Trace	Nil	P	Nil	Trace
4861 M	760	0.05	1.3	2.7	Trace	Nil	P	Trace	Trace
4862 M	761	0.04	3.8	6.4	Trace	Nil	P	P	Trace
4863 M	762	0.03	0.6	1.3	Trace	Nil	Trace	P	0.20
4864 M	763	0.03	3.2	1.5	Trace	Nil	Trace	P	Trace
4865 M	764	0.05	0.6	1.5	Trace	Nil	Trace	Nil	0.05

Laboratory No.	Submitter's Mark	Gold oz. per ton	Silver oz. per ton	Copper %	Cobalt %	Tungstic Oxide %	Lead %	Zinc %	Molybdenum %
4866 M	765	0.03	1.5	2.3	Trace	Nil	P	Nil	0.04
4867 M	766	0.26 -	4.0	8.3	0.03	Nil	Trace	Nil	Trace
4868 M	767	0.10	35.6	7.9	Trace	Nil	Trace	0.4	P
4869 M	768	0.01	27.1	4.5	Trace	Nil	0.3	0.3	P
4870 M	769	0.01	10.8	1.3	Trace	Nil	0.2	0.3	0.10
4871 M	770	0.07	47.3	4.2	Trace	Nil	0.2	1.4	0.04
4872 M	771	0.04	22.2	1.8	Trace	Nil	1.8	2.7	0.45
4873 M	772	0.01	1.8	0.4	Trace	Nil	Trace	Trace	Trace
4874 M	773	0.02	0.3	1.0	Trace	Nil	Trace	Nil	0.13
4875 M	774	0.05	4.2	5.8	Trace	Nil	Nil	P	Trace
4876 M	775	0.03	3.1	4.1	0.07	Nil	P	Trace	P
4877 M	776	0.04	1.5	11.3	0.03	Nil	Trace	P	P
4878 M	777	0.52 -	3.8	4.6	0.05	Nil	0.1	0.3	P
4879 M	778	0.07	46.8	12.0	Trace	Nil	1.1	2.6	Trace
4880 M	779	0.01	4.3	1.7	Trace	Nil	Trace	Trace	Trace
4881 M	780	0.09	3.6	6.2	0.2	0.31	0.5	0.4	Nil