

DIAMOND DRILL HOLE NO. 279

<u>LOCATION:</u>	No. 3 Orebody
<u>CO-ORDINATES:</u>	800E, 9,600N
<u>ACTUAL DRILLED:</u>	800.1E, 9591.3N
<u>R.L.:</u>	390.5 Feet
<u>DATE COMMENCED:</u>	22nd September, 1969.
<u>DATE COMPLETED:</u>	17th October, 1969.
<u>FINAL DEPTH:</u>	1072 Feet
<u>DATE SURVEYED:</u>	24th October, 1969.
<u>LOGGED BY:</u>	P. Le Messurier.

SAMPLE No.	DISTANCE		LENGTH SAMPLED	LENGTH REC'D.	ASSAYS				UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	FROM	TO			WO ₃	Mo	Mo	WO ₃			
	0	50	50	-							No Core - Surface sand and clay and highly weathered rock.
A0453	50	52	2	2	0.07	0.013	<.010		<u>QUARTZITE</u> 50' - 210'	<u>QUARTZITE</u> - mid-grey very fine grained, massive biotite fracture in part, numerous small aplite veins. Molybdenite mineralisation disseminated throughout but increasing in density in and adjacent to the aplites.	
A0454	52	53	1	1	0.08	0.85	0.660				
A0455	53	54	1	1	0.07	0.25	0.153				
A0456	54	55	1	1	0.08	0.04	0.022				
A0457	55	56	1	1	0.10	0.77	0.605				
A0458	56	58	2	2	0.07	0.38	0.378				
A0459	58	59	1	1	0.06	0.022	0.011				
A0460	59	61	2	2	0.08	0.018	0.010				
A0461	61	62	1	1	0.08	0.030	0.010				
A0462	62	64	2	2	0.20		0.016				
A0463	64	65	1	1	0.08		0.017				
A0464	65	72	7	1.5	0.19		0.033				
A0465	72	74	2	2	0.06		<.010				
A0466	74	75	1	1	0.05		0.086				
A0467	75	77	2	2	0.08		0.231	<u>APLITE</u> 75' - 90'	<u>APLITE</u> , generally medium to coarse grained, strong hydrothermal alteration in parts with epidote chlorite and (?) calcsilicates, included bands and fragments ? of quartzite, disseminated mineralisation of Molybdenite.		
A0468	77	78	1	1	0.07		0.090				
A0469	78	80	2	2	0.06		2.876				
A0470	80	82	2	2	0.05		0.162				
A0471	82	84	2	2	0.06		0.136				
A0472	84	86	2	2	0.06		0.089				
A0473	86	88	2	2	0.03		0.250				
A0474	88	90	2	2	0.04		0.097				
A0475	90	92	2	2	0.04		0.176				
A0476	92	94	2	2	0.04		0.055				
A0477	94	96	2	2	0.05		0.010				
A0478	96	97	1	1	0.04		0.067				
A0479	97	98	1	1	0.05		3.615				
A0480	98	99	1	1	0.04	0.55	0.493				
A0481	99	101	2	2	0.04	0.05	0.026				
A0482	101	102	1	1	0.03		1.365				
A0483	102	106	4	4	0.04	0.057	0.036				
A0484	106	110	4	4	0.03		0.018				
A0485	110	114	4	4	0.04		0.049				
A0486	114	116	2	2	0.03		0.349	<u>APLITE</u> 114' - 139'	<u>APLITE</u> , quartz rich fine grained, very minor mafice content irregular bands and fragments of quartzite throughout. Disseminated Molybdenite mineralisation with minor bands.		
A0487	116	120	4	4	0.04	0.05	0.040				
A1221	120	124	4	4	0.11	0.02	0.11				
A1222	124	128	4	4	0.10	0.02					

SAMPLE No.	DISTANCE		LENGTH SAMPLED	LENGTH REC'D.	ASSAYS			UNITY	GEOLOGICAL DESCRIPTION	FRACTURING
	FROM	TO			WO ₃	Mo	WO ₃			
A1223	128	130	2	2	0.09	0.02				
A1224	130	132	2	1	0.11	0.07	0.10			
A1225	132	134	2	2	0.11	0.05	0.10			
A1226	134	136	2	2	0.10	0.01				
A1227	136	138	3	3	0.12	0.02	0.11			
	139	155	16	16					<u>QUARTZITE</u> , mid-grey and light grey mottled and spotted grades to spotted shale in part. Numerous fine aplite veins with very minor Molybdenite.	
A1228	155	157	2	2	0.10	0.07	0.10			
A1229	157	159	2	2	0.09	0.20	0.09			
A1230	159	161	2	2	0.08	0.04				
A1231	161	163	2	2	0.09	0.03				
A1232	163	165	2	2	0.11	(0.01				
A1233	165	167	2	2	0.10	(0.01				
A1234	167	169	2	2	0.09	0.07				
A1235	169	171	2	2	0.09	0.03	0.07			
A1236	171	173	2	2	0.14	0.06	0.12			
A1237	173	177	4	4	0.10	(0.01	0.08			
	177	187	10	10					<u>QUARTZITE</u> , mid-grey, mottled in part, a few irregular aplite veins, some with minor Molybdenite mineralisation.	
A1238	187	189	2	2	0.10	0.09			<u>APLITE</u> , medium grained, Molybdenite disseminated throughout.	
	189	195	6	6					<u>QUARTZITE</u> , Mid-grey, massive (no aplites).	
A1239	195	205	10	4	0.08	0.15	0.08			
A1240	205	210	5	3	0.07	0.01			<u>QUARTZITE & APLITE</u> , mixed in irregular bands, very fractured, disseminated Molybdenite.	
A1241	210	214	4	2	0.09	0.05			<u>No. 1 FAULT ZONE</u> <u>APLITE & QUARTZ</u> veins, highly altered in part.	
A1242	214	216	2	2	0.08	0.08				
A1243	216	218	2	2	0.09	(0.01				
A1244	218	220	2	2	0.08	(0.01	0.08		<u>PYROXENE HORNFELS</u> 214' - 264' <u>PYROXENE HORNFELS</u> - chloritised, epidotised and kaolinised in part. Prominent Molybdenite mineralisation adjacent to fault zone.	
A1245	220	224	4	4	0.07	(0.01				
A0488	224	226	2	2	0.18					
A0489	226	228	2	2	0.14					
A0490	228	230	2	2	0.08					
A0491	230	232	2	2	0.05				<u>PYROXENE HORNFELS</u> with irregular bands of biotite and garnet hornfels - unit grades to a garnet/pyroxene hornfels in part. Sporadic disseminated scheelite and molybdenite generally associated with calcite blebs and veins.	

SAMPLE No.	DISTANCE		LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	FROM	TO			WO ₃	Mo			
	343	351.5	8.5	8.5			<u>BIOTITE PYROXENE HORNFELS</u> 343' - 351.5'	<u>BIOTITE PYROXENE HORNFELS</u> , generally siliceous with Pyroxene Biotite in about equal percentage.	
	351.5	356	4.5	4.5			<u>APLITE</u> 351.5' - 356'	<u>APLITE</u> - medium grained sandy texture in part, abundant muscovite in part - sporadic flecks of molybdenite.	
	356	393	47	46.5			<u>BIOTITE HORNFELS</u> 356' - 393'	<u>BIOTITE HORNFELS</u> - very fine grained siliceous with varying percentage of Biotite distributed throughout in irregular bands, lenticles and blebs. Minor pyroxene rich bands.	
	393	404	11	10.5			<u>PYROXENE HORNFELS</u> 393' - 404'	<u>PYROXENE HORNFELS</u> - fine ground siliceous, pyroxene uniformly distributed throughout a few biotite rich bands.	
A0514	404	406	2	2	0.06	0.013	<u>PYROXENE GARNET HORNFELS</u> 404' - 438'	<u>PYROXENE GARNET HORNFELS</u> , fine grained pyroxene rich siliceous rock with numerous irregular blebs or ovoids of garnet and calcite, minor pyroxene and pyrite - sporadic. Coarse grained scheelite associated with garnet rich zones.	
A0515	406	408	2	2	0.06	0.01			
A0516	408	409	1	1	0.13	0.01			
A0517	409	411	2	2	0.07	0.01			
A0518	411	413	2	2	0.08	0.01			
A0519	413	415	2	2	0.07	0.01			
A0520	415	417	2	2	0.06	0.01			
A0521	417	419	2	2	0.06	0.01			
A0522	419	423	4	4	0.05	0.01			
A0523	423	425	2	2	0.05	0.01			
A0524	425	426	1	1	0.05	0.01			
A0525	426	428	2	2	0.18	0.01			
A0526	428	430	2	2	0.10	0.01			
A0527	430	432	2	2	0.12	0.01			
A0528	432	434	2	2	0.07	0.01			
A0608	434	436	2	2	0.08	0.01			
A0607	436	438	2	2	0.14	0.01			
A0610	438	442	4	4	0.01	0.013	<u>APLITE</u> 438' - 450'	<u>APLITE</u> - medium grained, generally even in grain size and composition very minor molybdenite and pyrite.	
A0609	442	446	4	4	0.01	0.011			
A0611	446	450	4	4	0.01	0.010			
A0613	450	452	2	2	0.01	0.016		Quartz Vein, minor molybdenite and scheelite.	
A0612	452	454	2	2	0.10	0.025			

SAMPLE No.	DISTANCE		LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		GEOLOGICAL DESCRIPTION	FRACTURE
	FROM	TO			WO ₃	Mo		
A0614	454	456	2	2	0.10	0.01	<u>SKARN</u> 454'-493' <u>B1 Lens</u> 456'-470' 14' @ 1.59% WO ₃	<u>SKARN</u> , even grained pyroxene garnet skarn, numerous irregular calcite quartz blebs. Disseminated coarse scheelite, and several major scheelite veins of coarse crystals.
A0616	456	458	2	2	0.56	0.016		
A0615	458	460	2	2	0.54	0.036		
A0618	460	462	2	2	0.11	0.01		
A0617	462	463	1	1	0.09	0.01		
A0620	463	464	1	1	18.0	+0.5		
A0619	464	466	2	2	0.27	0.01		
A0622	466	468	2	2	0.35	0.01		
A0621	468	470	2	2	0.31	0.01		
A0623	470	472	2	2	0.11	0.01		
A0624	472	474	2	2	0.09	0.01		
A0625	474	476	2	2	0.10	0.017		
A0626	476	478	2	2	0.11	0.01		
A0627	478	480	2	2	0.09	0.01		
A0628	480	481	1	1	0.17	0.01		
A0629	481	483	2	2	2.28	0.067	<u>B2 Lens</u> 481'-493' 12 @ 1.01% WO ₃	<u>SKARN</u> , even grained fine to medium, garnet percentage increases, rather siliceous in part. Scattered coarse grained scheelite and fairly evenly disseminated fine grained scheelite.
A0630	483	485	2	2	0.43	0.011		
A0631	485	487	2	2	0.79	0.025		
A0632	487	489	2	2	0.76	0.033		
A0633	489	491	2	2	1.19	0.039		
A0634	491	493	2	2	0.59	0.018		
A0635	493	495	2	2	0.02	0.01		
	495	525	30	30			<u>LIMESTONE</u> 49' - 527'	<u>LIMESTONE</u> , recrystallised and reconstituted in part, original bedding evident in part, minor development of chlorite pyroxene and garnet in some bands.
A0646	525	527	2	2	0.03	0.01		
A0647	527	528	1	1	0.07	0.01	<u>PYROXENE HORNFELS</u> 527' - 530'	<u>PYROXENE HORNFELS</u> , fine grained, a few biotite bands, a few sporadic scheelite grains.
A0648	528	530	2	2	0.06	0.01		
A0649	530	532	2	2	0.10	0.01	<u>GARNET PYROXENE HORNFELS</u> 530' - 533'	<u>GARNET PYROXENE HORNFELS</u> , fine grained pyroxene hornfels with irregular bands and zones of garnet.
A0650	532	533	1	1	0.10	0.01		
A0651	533	535	2	2	0.91	0.028	<u>SKARN</u> 533' - 550' <u>B3 Lens</u> 17 @ 1.07% WO ₃	<u>SKARN</u> , medium and coarse grained, in part banded in distinct pyroxene rich and garnet rich bands. Coarse grained scheelite throughout but more abundant in garnet rich zones.
A0652	535	537	2	2	0.52	0.010		
A0653	537	539	2	2	0.64	0.016		
A0654	538	541	2	2	1.73	0.050		
A0655	541	543	2	2	0.62	0.015		
A0656	543	545	2	2	2.28	0.049		
A0657	545	547	2	2	1.04	0.030		
A0658	547	549	2	2	0.58	0.010		
A0659	549	550	1	1	1.50	0.042		

SAMPLE No.	DISTANCE		LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	FROM	TO			WO ₃	Mo			
A0660	550	552	2	2	0.08	0.01	PYROXENE HORNFELS 550' - 563'	PYROXENE HORNFELS, fine grained, a few limey bands with some fine garnet, very occasional scheelite grains.	
A0661	552	554	2	2	0.06	0.01			
A0662	554	556	2	2	0.05	0.01			
A0663	556	558	2	2	0.06	0.01			
A0664	558	560	2	2	0.06	0.01			
A0665	560	561	1	1	0.06	0.01			
A0666	561	563	2	2	0.05	0.01			
A0667	563	564	1	1	0.07	0.01	LIMESTONE 563' - 568'	LIMESTONE, recrystallised and very altered in part to chlorite pyroxene and garnet irregularly mixed.	
A0668	564	566	2	2	0.01	0.01			
A0669	566	568	2	2	0.06	0.01			
A0670	568	570	2	2	0.05	0.01	PYROXENE BIOTITE HORNFELS 568' - 573'	PYROXENE BIOTITE HORNFELS intermixed in irregular bands. Pyroxene predominates at top of unit and biotite at base.	
A0671	570	572	2	2	0.06	0.01			
A0672	572	573	1	1	0.06	0.01			
A0673	573	575	2	2	0.07	0.011	SKARN 573' - 584'	SKARN, coarse grained pyroxene and garnet, many quartz and calcite veins and blebs.	
A0674	575	576	1	1	0.08	0.016			
A0702	576	577	1	1	0.17	0.013			
A0675	577	578	1	1	0.10	0.01			
A0676	578	580	2	2	0.18	0.01			
A0677	580	582	2	2	4.6	0.164			
A0678	582	584	2	2	0.34	0.010			
A0679	584	586	2	2	0.20	0.01			
A0680	586	588	2	2	0.07	0.01	BIOTITE HORNFELS 584' - 601'	BIOTITE HORNFELS, fine grained with biotite fairly even in distribution, irregular pyroxene and garnet rich bands and blebs, a few calcite rich zones.	
A0681	588	589	1	1	0.06	0.01			
A0682	589	593	4	4	0.08	0.015			
A0683	593	597	4	4	0.08	0.019			
A0684	597	599	2	2	0.08	0.01			
A0685	599	600	1	1	0.03	0.01			
A0686	600	601	1	1	0.03	0.01			
A0687	601	603	2	2	0.34	0.01			
A0688	603	605	2	2	0.39	0.011	SKARN 601' - 623' B/S Lens - 22' at 0.54% WO ₃	SKARN, medium to coarse grained very siliceous in part, variable mineralogy with strong banding in part, of pyroxene and garnet. Fine and coarse grained scheelite mineralisation throughout.	
A0689	605	607	2	2	0.51	0.010			
A0690	607	609	2	2	0.25	0.01			
A0691	609	611	2	2	0.62	0.021			
A0692	611	613	2	2	0.50	0.013			
A0693	613	615	2	2	0.57	0.010			
A0694	615	617	2	2	1.48	0.031			
A0695	617	619	2	2	0.52	0.015			
A0696	619	621	2	2	0.25	0.01			
A0697	621	623	2	2	0.54	0.01			

SAMPLE No.	DISTANCE		LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	FROM	TO			WO ₃	Mo			
A0698	623	625	2	2	0.08	<0.01	<u>BIOTITE HORNFELS</u> 623' - 629'	<u>BIOTITE HORNFELS</u> - minor pyroxene bands, carbonate and chloritic veins.	
A0699	625	627	2	2	0.08	0.018			
A0700	627	629	2	2	0.07	0.012			
A0701	629	631	2	2	0.02	<0.01	<u>LIMESTONE</u> 629' - 646'	<u>LIMESTONE</u> , recrystallised, banded in part.	
	631	646	15	15					
	646	725	79	76					
A0703	725	733	8	8			<u>PYROXENE GARNET HORNFELS</u> 725' - 735'	<u>PYROXENE GARNET HORNFELS</u> , fine grained siliceous pyroxene rich rock with abundant irregular calcite fragments ringed and replaced by garnet, pyroxene, diopside and sulphides. Very occasional scheelite grains.	
	733	735	2	2	0.06	0.011			
A0704	735	736	1	1	0.44	0.010	<u>SKARN</u> 735' - 761'	<u>SKARN</u> , medium to coarse grained, pyroxene and garnet in roughly equal proportions with calcite and quartz prominent. A few irregular fragmental sections disseminated scheelite throughout.	
A0705	736	738	2	2	0.48	<0.01			
A0706	738	740	2	2	1.31	0.031			
A0707	740	742	2	2	0.14	<0.01			
A0708	742	744	2	2	0.15	<0.01			
A0709	744	746	2	2	0.50	<0.01			
A0710	746	748	2	2	1.33	0.028			
A0711	748	750	2	2	0.93	0.020			
A0712	750	752	2	2	0.44	<0.01			
A0713	752	754	2	2	0.14	<0.01			
A0714	754	755	1	1	0.07	<0.01			
A0715	755	757	2	2	0.50	<0.01			
A0716	757	759	2	2	0.42	<0.01			
A0717	759	761	2	2	0.25	<0.01			
A0718	761	763	2	2	0.09	<0.01			<u>PYROXENE GARNET HORNFELS</u> 761' - 769'
A0719	763	765	2	2	0.18	<0.01			
A0720	765	767	2	2	0.22	<0.01			
A0721	767	769	2	2	0.10	<0.01			
A0722	769	771	2	2	0.10	<0.01			
A0723	771	773	2	2	0.23	<0.01			
A0724	773	775	2	2	0.18	<0.01			
A0725	775	777	2	2	0.15	<0.01			
A0726	777	778	1	1	0.14	<0.01			

SAMPLE No.	DISTANCE		LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	FROM	TO			WO ₃	Mo			
A0727	778	780	2	2	0.07	0.01	<u>PYROXENE HORNFELS</u> 778' - 797'	PYROXENE HORNFELS - fine grained, irregular garnet rich bands and blebs throughout, occasional calcite ovoids, minor disseminated scheelite.	
A0728	780	782	2	2	0.05	0.01			
A0729	782	784	2	2	0.08	0.01			
A0730	784	786	2	2	0.06	0.01			
A0731	786	788	2	2	0.06	0.01			
A0732	788	790	2	2	0.06	0.01			
A0733	790	792	2	2	0.06	0.01			
A0734	792	793	1	1	0.08	0.01			
A0735	793	795	2	2	0.06	0.016			
A0736	795	797	2	2	0.06	0.01			
A0739	797	799	2	2	0.08	0.01	<u>LIMESTONE</u> 797' - 862'	<u>LIMESTONE</u> - recrystallised, such irregular garnet bands and garnet crystals, sporadic coarse scheelite.	
A0737	799	800	1	1	0.04	0.01			
A0738	800	802	2	2	0.02	0.01			
	802	841	39	38					<u>LIMESTONE</u> , recrystallised, massive a few impure bands.
	841	853	12	12					<u>LIMESTONE</u> - very impure strongly banded with bands of pyroxene, biotite and garnet.
A0742	853	855	2	2	0.03	0.01	<u>LIMESTONE</u> , many garnet bands, sporadic coarse scheelite.		
A0743	855	857	2	2	0.03	0.01			
A0744	857	859	2	2	0.03	0.01			
A0745	859	860	1	2	0.02	0.01			
A0746	860	862	2	2	0.02	0.01			
	862	885	23	23				<u>BANDED HORNFELS</u> 862' - 913'	
A0747	885	887	2	2	0.03	0.01			
A0748	887	889	2	2	0.12	0.01			
A0749	889	890	1	1	0.12	0.01			
A0750	890	892	2	2	0.01	0.01			
	892	913	21	21			<u>BIOTITE PYROXENE HORNFELS</u> 913' - 961'		
	913	926	13	13					
A0751	926	928	2	2	0.06	0.01			
A0752	928	930	2	2	0.22	0.01			
A0753	930	931	1	1	0.06	0.01			
A0754	931	933	2	2	0.06	0.01			
	933	961	28	28				<u>BANDED HORNFELS</u> 961' - 994.5'	
	961	994.5	33.5	32			<u>BANDED HORNFELS</u> - Pyroxene, Biotite, Garnet and Calcite rich bands irregularly interbedded. Minor scheelite associated with garnet bands.		

