THE DOWA MINING CO., LTD. (JAPAN)

010341

DIP TEST		
	Angle	
Footage	Reading	Corrected
702	-89°	

PROPERTY SHEBA COPPER MINES LTD. HOLE No. S-71-9

Hole No. S-71-9 Sheet No. 1/9
Section
Date Begun July 9, 1971
Date Finished July 12, 1971

Lat. L 58 + 505
Dep. 36W
Bearing -90°
Elev. Collar 5480 A.S.L.

Total Depth 0-702'
Logged By. L. W. Saleken
Claim Cu # 4
Core Size B.Q.W.L.

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	o/o Cu	o/o Mo	o/o MoS_2 (Cal)	oz/T Au	oz/T Ag
0-13	Overburden-glacial Till							No Assay	
13-702	M.g.-c.g. Porphyritic granodiorite; propylitic								
	alt. with argillic zones; aplite dykes								
	& qtz vns; Mineralization assoc with								
	Fr & qtz - flaky sericite vns.								
13-50	Mod sericite-chlorite alt; shattered with	3201	13-20	7	0.44	0.024	0.040		
	strong iron staining-oxide zone.	3202	20-30	10	0.23	0.008	0.014		
18-20	18" qtz vn, shattered & blocky mod Mo-Cp	3203	30-40	10	0.16	0.002	0.003		
		3204	40-50	10	0.02	0.001	0.001		
50-69	Unaltered	3205	50-60	10	0.01	0.002	0.003		
69-77	Mod. sericite-chlorite alt	3206	60-70	10	0.01	0.001	0.002		
74.5-75.5	Blocky & shattered with hem	3207	70-80	10	0.01	0.010	0.016		
77-83	Unaltered	3208	80-90	10	0.11	0.002	0.003		
83-113	Mod sericite-chlorite alt.								
83.5-84.5	Fault on -80° face, sulphides								
84.5-86.5	Shatter zone, Fr @ >-60, weak Cp-Bo								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 2/9
Section _____
Date Begun _____
Date Finished _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By. _____
Claim _____
Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2 (Cal)	Au	Ag
88-90	FAult, blocky shattered qtz-k-spar vn								
98-100	Fault; blocky with Cp on Fr	3209	90-100	10	0.05	0.005	0.009		
		3210	100-110	10	0.03	0.002	0.003		
113-116	Intense argillic (clay-sericite) alt assoc Ca	3211	110-120	10	0.06	0.026	0.043		
113-114	Fault (gouge); blocky, weak Cp Diss								
114	1/8" qtz stringer @ -50° assoc Mo								
116-123	Sheared; intense sericite-chlorite alt								
	blocky with faulting								
123-137	Mod sericite-chlorite alt	3212	120-130	10	0.03	0.003	0.005		
137-144	Intense sericite-chlorite alt assoc clay	3213	130-140	10	0.05	0.003	0.005		
137-138	Fault, blocky								
139.5-144	Fault, blocky								
144-183	Strong sericite-chlorite alt; FI 1"	3214	140-150	10	0.03	0.005	0.008		
152-154	Fault	3215	150-160	10	0.01	0.004	0.007		
174-176	Intense argillic (clay) alt	3216	160-170	10	0.02	0.006	0.010		
175.5-176	Blocky qtz stringer with Mo	3217	170-180	10	0.03	0.047	0.079		

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 3/9
Section _____
Date Begun _____
Date Finished _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By. _____
Claim _____
Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2 (Cal)	Au	Ag
183-214.5	Intense sericite-chlorite alt	3218	180-190	10	0.01	0.002	0.004		
194 - 195	Fault, blocky with clay	3219	190-200	10	0.02	0.001	0.002		
205-206	Fault, blocky with clay	3220	200-210	10	0.05	0.029	0.048		
214-214.5	Strong hem & clay, blocky	3221	210-220	10	0.03	0.024	0.039		
214.5-229.5	Strong sericite-chlorite alt assoc flaky	3222	220-230	10	0.11	0.044	0.074		
	sericite; Cp-Bo (Mo) mod diss & Fr.								
214.5	Fault, blocky								
215-216.5	Shattered, Fr. @ >-70°, Cp-Bo-Mo Diss & Fr								
	with weak flaky sericite								
219-221	Blocky, fault Mo noted								
228-229.5	Fracture zone, Fr @ >-70, assoc. flaky sericite, Bo-Cp								
229.5-236.5	Intense argillic (clay) alt assoc strong								
	hem								
234.5-236	Fault, blocky								
236.5-241	Intense sericite alt. assoc weak flaky sericite	3223	230-240	10	0.01	0.002	0.004		
	Cp Noted								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 4/9
Section _____
Date Begun _____
Date Finished _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By. _____
Claim _____
Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2 (Cal)	Au	Ag
241-255	Mod. sericite-chlorite alt	3224	240-250	10	0.03	0.010	0.016		
242.5=244	Fr @ -60°, assoc hem, Mo-Cp weak								
255-257	Intense clay alt	3225	250-260	10	0.02	0.006	0.010		
257-265.5	Weak propylitic alt.	3226	260-270	10	0.03	0.025	0.041		
265	¼" K-spar vn @ -70°, assoc Mo								
265.5-292	Strong sericite-clay alt assoc flaky sericte	3227	270-280	10	0.02	0.012	0.020		
283-286	Blocky with fault	3228	280-290	10	0.05	0.002	0.004		
289	1/8" qtz-flaky sericite vn @ -20° assoc Bo								
290	¼" qtz-flaky sericite vn @ -20° assoc Bo								
292-298	Weak propylitic alt	3229	290-300	10	0.20	0.005	0.009		
297.5	3/4" qtz - flaky sericite vn @ -40° assoc Bo-Cp								
298-307	Mod sericite-clay alt	3230	300-310	10	0.10	0.032	0.054		
300.5	2" qtz breccia with Mo-Bo								
300-301.5	Intense clay alt.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
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Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 5/9 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By. _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2 (Cal)	Au	Ag
307-399	Intense argillic alt. assoc qtz-flaky								
	sericite vn with Cp-Bo-Mo mineralization								
310-315	Blocky with faulting	3231	310-320	10	0.25	0.058	0.095		
317.5-319	Shattered qtz-flaky sericite vn @ -50° strong								
	Bo-Mo								
321-324	Blocky, shattered with Cp-Bo on Fr	3232	320-330	10	0.11	0.028	0.046		
326.5-328	Blocky, shattered qtz-flaky sericite vn with Bo-Cp-Mo								
332.5-334.5	Fault, blocky Mo with flaky sericite	3233	330-340	10	0.04	0.014	0.024		
337-342	Blocky, Shattered qtz vn with Cp-Mo								
343-344	Flaky sericite banding @ -60°, strong Bo diss	3234	340-350	10	0.11	0.005	0.009		
344-346	Blocky & shattered								
350-351	Blocky & shattered								
357.5	Fr @ -60°, Bo-Cp	3235	350-360	10	0.08	0.002	0.003		
360-360.5	K-spar alt with -70° Fr Cp-Bo								
365	½" qtz - flaky sericite vn @ -60°, diss Cp-Bo	3236	360-370	10	0.12	0.007	0.012		
370	1" qtz - flaky sericite vn @ -60°, Mo								
372-372.5	Fracture zone, Fr @>-60° with qtz - flaky sericite	3237	370-380	10	0.19	0.008	0.013		
	& Cp								
383	2" of Fr @ -80° Cp	3238	380-390	10	0.12	0.003	0.005		
387-389	Blocky								
388.5	¼" qtz - flaky sericite vn @ -80°, Cp								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 6/9 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By. _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2 (Cal)	Au	Ag
390	¼" qtz vn @ -80°, Cp-Py	3239	390-400	10	0.18	0.005	0.009		
391	½" qtz-flaky sc. vn @ -70°, Cp-Bo								
391.5-392.5	Zone of qtz-flaky sc. stringers @ >-50°, Cp-Bo								
393-396.5	Zone of qtz-flaky sc. stringers @ > -50°, Cp-Bo								
346.5-399	Strong hem, qtz-flaky sc. stringers with								
	Fr diss & Fr. Cp								
399-412	Strong sericite-chlorite alt assoc flaky sc	3240	400-410	10	0.23	0.007	0.012		
	hem Mod; sheared								
399-401	Fr @>-70°, Cp with ch-sc strong								
401-405.5	Fault zone, hem strong diss Cp								
405.5-412	Weak Cp								
412-419	Weak propylitic alt	3241	410-420	10	0.07	0.004	0.006		
419-422	Intense argillic (clay) alt; hem mod								
420	Fault in -50° face								
422-444	Strong sericite-chlorite alt; hem mod	3242	420-430	10	0.03	0.011	0.018		
	FI ½", Cp noted	3243	430-440	10	0.02	0.006	0.010		

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DIP TEST		
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PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 7/9
Section _____
Date Begun _____
Date Finished _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By. _____
Claim _____
Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2(Cal)	Au	Ag
444-455	Strong clay alt assoc ep-ch strong in	3244	440-450	10	0.03	0.006	0.010		
	mafics & Fr								
451	6" Aplite dyke @ ? barren	3245	450-560	10	0.08	0.039	0.065		
452	Fr @ -50°, Mo								
454-455	Fault, blocky qtz vn assoc Bo								
455-467	Mod propylitic alt								
460	3" qtz vn @ -70°, Mo	3246	460-470	10	0.03	0.009	0.015		
467-479	Mod. sericite-chlorite alt	3247	470-480	10	0.05	0.020	0.034		
474.5	1" qtz vn @ -40°, vuggy with Mo								
479-519	Intense argillic (clay) alt assoc flaky sc;								
	shattered, FI 1/8" - ¼"; Hem mod to strong								
483-485	Fault, blocky qtz breccia with Mo	3248	480-490	10	0.10	0.066	0.11		
487.5	Fault, 6" hem.-qtz breccia								
496-497	Shattered with hem	3249	590-500	10	0.03	0.011	0.019		
499	6" qtz vn @ ?, barren								
507-508	Fault with Mo	3250	500-510	10	0.17	0.007	0.012		
513	D.S. fault on -80° face, hem	1751	510-520	10	0.06	0.020	0.033		
517-519	Hem. breccia, faulting barren								

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DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 8/9
Section _____
Date Begun _____
Date Finished _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By. _____
Claim _____
Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2 (Cal)	Au	Ag
519-530	Strong sericite-clay alt	1752	520-530	10	0.03	0.005	0.009		
530-535	Intense argillic alt	1753	530-540	10	0.05	0.026	0.044		
535-538	Weak propylitic alt								
538-600.5	Mod to strong sericite-clay alt assoc	1754	540-550	10	0.03	0.060	0.10		
	flaky sc; ep-ch strong in mafics	1755	550-560	10	0.02	0.006	0.010		
538.5	3" qtz breccia, assoc Mo	1756	560-570	10	0.01	0.007	0.012		
544-547.5	Shattered; blocky qtz with Mo	1757	570-580	10	0.01	0.015	0.025		
577.5	6" qtz breccia with Mo, fault @ -50^{o}	1758	580-590	10	0.02	0.010	0.017		
		1759	590-600	10	0.01	0.012	0.020		
600.5-609	Weak propylitic alt	1760	600-610	10	0.01	0.010	0.016		
609-621.5	Strong sericite-chlorite alt. weak	1761	610-620	10	0.08	0.007	0.011		
	Cp-Bo on Fr.								
621.5=640	Intense argillic (clay) alt, hem strong	1762	620-630	10	0.09	0.011	0.018		
		1763	630-640	10	0.04	0.005	0.008		
640-659	Weak propylitic alt	1764	640-650	10	0.01	0.008	0.013		
644	Fr@ -50^{o}, Cp								

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DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-9

Hole No. _____ Sheet No. 9/9
Section _____
Date Begun _____
Date Finished _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By. _____
Claim _____
Core Size _____

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	Cu	Mo	MoS_2(Cal)	Au	Ag
647.5	Fr @ -70° Cp	1765	650-660	10	0.03	0.005	0.008		
659-681	Mod to strong sericite alt assoc clay	1766	660-670	10	0.04	0.005	0.008		
660-661	Fault blocky with strong hem, slick on -80° face	1767	670-680	10	0.03	0.040	0.066		
661	6" Aplite dyke @ -70° , barren								
663.5	4" Ep-qtz vn @ -60°, assoc hem & Cp								
681-692	Intense argillic (clay) alt with flaky	1768	680-690	10	0.01	0.025	0.041		
	Sc								
682.5	2" qtz-flaky sc vn @ -50°, Mo								
684.5-685	Blocky qtz-flaky sc with Mo								
689-692	Fault zone, blocky								
692-702	Mod sericite-clay alt; cp-Bo weak	1769	690-702	12	0.03	0.002	0.003		
	on Fr @ -60°								
698	Fault on -80° face								