THE DOWA MINING CO., LTD. (JAPAN)

010339

DIP TEST		
	Angle	
Footage	Reading	Corrected
No Test		

PROPERTY SHEBA COPPER MINES LTD. HOLE No. S-71-7

Hole No. S-71-7 Sheet No. 1/11
Section
Date Begun June 27, 1971
Date Finished July 2, 1971

Lat. L 58 S
Dep. 21 W
Bearing -90°
Elev. Collar 5370 A.S.L.

Total Depth 0 - 774'
Logged By. L.W. Saleken
Claim Cu #6
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
0-16.5	Overburden-glacial till								
16.5-19.5	Oxide zone, blocky with mod iron staining	3118	16.5-20	3.5	0.02	0.002	0.003	Tr	Tr
19.5-774	M.g.-C.g. granodiorite, porphyritic texture;								
	propylitic alt. with minor intense								
	argillic zones. Mineralization assoc with qtz vns								
	& Fr.								
19-26	Mod sericite alt. FI > 1"	3119	20-30	10	0.01	0.002	0.003	Tr	Tr
26-32.5	Weak propylitc								
32.5-35	Strong sericite-clay alt assoc flaky sericite								
35-65	Unaltered; FI > 1";	3121	40-50	10	< 0.01	0.003	0.005	Tr	Tr
45.5	Cp fleck noted								
61	3" Aplite dyke @ -50°, barren								
65-80	Weak propylitic; FI > 1",	3123	60-70	10	0.01	0.004	0.006	Tr	Tr
72-75	Vertical k-spar stringer assoc Mo								
78	Diss. Mo over 2"								
78-80	Aplite dyke; Cp minor on -70° Fr, local diss.								
80-89	Strong sericite-chlorite alt; FI 3/4", Fr>-40°	3125	80-90	10	0.01	0.001	0.002	Tr	Tr
84.5-86	Fracture zone, Fr @ -80°, assoc ch with Bo-Cp								
89-117	Weak propylitic	3127	100-110	10	0.01	0.001	0.001	Tr	Tr
91-92	k-spar stringer @ -80°, assoc Mo, minor diss								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 2/11 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
115	Fr @ -70° assoc ch-sc-ca with Cp								
117-145	Unaltered	3129	120-130	10	<0.01	0.005	0.008	Tr	Tr
135-135.5	Sericite band assoc Cp								
139	Fr @ -80°, assoc Cp-Mo								
142	Fr @ -80°, assoc Mo								
145-148	Mod sericite alt. with ep-ch on Fr	3131	140-150	10	0.01	0.003	0.005	Tr	Tr
148-155	Unaltered								
144.5	3" Unaltered hornblende mafic dyke								
152.5	Fr @ -80°, assoc ch with Bo								
155-178	Mod. sericite alt with unaltered areas	3133	160-170	10	0.01	0.001	0.001	Tr	Tr
	FI >1"								
175.5-177	Fault (sand)								
178-199	Unaltered	3135	180-190	10	0.03	0.013	0.021	Tr	Tr
181.5	½" K-spar vn @ -65°, assoc Cp-(Mo)								
184-184.5	K-spar stringers @ -80°, assoc. Mo- (> Cp-Bo)								
190.5	Fr @ -80°, assoc Bo-Mo, Mo diss,								
	Bo in mafic								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 3/11
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
199-220	Strong to mod. sericite alt; FI 3/4"	3137	200-210	10	0.01	0.002	0.003	Tr	Tr
202-202.5	Fault, Cp-Bo with -80 Fr, assoc intense								
	argillic alt								
205.5	3" Aplite dyke @ -50°, barren								
208	1" Aplite dyke @ -60°, barren								
213-215	Fault, blocky with Cp-Mo								
217	Bo noted on ch Fr								
220-224	Unaltered								
224-234.5	Mod sericite-chlorite Alt.	3139	220-230	10	0.01	0.002	0.004	Tr	Tr
227-228	k-spar - ca stringers barren								
230.5	¼" k-spar vn @ -40°, barren								
231.5	1" K-spar vn @ -40°, barren								
232	½" k-spar vn @-40°, barren								
234.5-239	Unaltered								
239-242.5	Mod sericite alt.								
242.5-245	Unaltered								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 4/11
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
245-248.5	Mod sericite alt.	3141	240-250	10	0.01	0.003	0.005	Tr	Tr
245.5	3/4" aplite dyke @ -60°, barren								
247-248	D.S. fault, blocky assoc Cp noted								
248.5-259	Unaltered								
259-274.5	Mod sericite-chlorite alt assoc weak ep	3143	260-270	10	0.01	0.004	0.006	Tr	Tr
261.5	1" Aplite dyke @ -50°, barren								
264.5	K-spar stringer @ -70°, assoc Bo								
268	Cp-Bo noted								
269.5	3" Aplite dyke @ -50°, barren								
274.5-296	Unaltered								
285.5	Fr @ -70° assoc Bo-Cp with K-spar stringer	3145	280-290	10	0.06	0.002	0.004	Tr	Tr
296-349.5	Mod sericite-chlorite alt; FI>1"	3147	300-310	10	0.01	0.001	0.001	Tr	Tr
296-297 312.5-313.5	Fault, blocky Blocky & shattered								
314	Fr @ -70°, assoc ch-sc with Cp								
320	Fr @ -80°, assoc ch-sc with Bo	3149	320-330	10	0.02	0.001	0.001	Tr	Tr
337-338	Blocky & shattered								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 5/11 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
349.5-363	Mod sericite alt	3151	340-350	10	0.01	0.001	0.001	Tr	Tr
350	¼" qtz-ca vn @ -50°, assoc hem, barren								
361.5-363	Fault zone								
363-368	Fault zone, shattered & blocky (Core recovery 2')	3153	360-370	10	<0.01	0.004	0.006	Tr	Tr
	Cp noted with -80°Fr								
368-372.5	Intense sericite-clay alt; fault zone								
	with hem, core recovery 4'								
372.5-380	Strong sericite alt.								
380-409	Strong sericite-chlorite alt assoc hem	3155	380-390	10	0.03	0.002	0.003	Tr	Tr
	shattered & blocky								
381	Fault								
388	Fault								
408	Fault (sand)	3157	400-410	10	<0.01	0.001	0.002	Tr	Tr
409-413	Unaltered								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. s-71-7

Hole No. _____ Sheet No. 6/11 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
413-450	Mod sericite-chlorite alt; FI > 1", Fr > -60°								
416.5	1" Aplite dyke @ -50°, barren								
425.5-427	Fault zone, shattered	3159	420-430	10	< 0.01	0.002	0.003	Tr	Tr
440	Fr @ -80°, sc assoc Mo	3161	440-450	10	0.02	0.007	0.011	Tr	Tr
449	1" K-spar vn @ -70°, assoc Mo								
450-451.5	Strong sericite-clay alt								
451.5-471	Strong sericite alt								
453	K-spar stringer @ -70° with Mo, assoc								
	Fr @ -50° with Cp								
456-457	Fault, gouge with Mo								
458-459	Fault, blocky with Mo								
460-460.5	Fracture zone with weak Cp, Fr @ -30°	3163	460-470	10	0.18	0.010	0.016	Tr	Tr
461-462	Shattered & blocky with Bo-Mo								
463.5	½" vn @ -80°, assoc Mo-Bo								
465-468	Fracture zone with Mo, Fr @ -80°								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY_____ HOLE No. S-71-7

Hole No. _____ Sheet No. 7/11 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
471-483	Intense argillic (clay)alt & shearing								
474	Bo note in -60° Fr								
476.5	¼ qtz vn @ -50° cut by Fr @ -60° with Mo								
477.5	Fr @ -60°, Cp assoc								
478.5	3" qtz breccia, assoc Mo								
478.5-483	Fault zone, gouge & blocky with Bo-Mo								
483-507	Strong sericite-chlorite alt & shearing; assoc								
	hem								
486-89	Fault zone, blocky with 1/8" Mo vn @ -70°	3165	480-490	10	0.27	0.028	0.047	Tr	Tr
490-493	Blocky & shatered with weak Cp								
496-497	1/8" Mo stringers @ -70° assoc Bo								
498	Bo-Mo stringer @ -70°								
500	Fr @ -70°, assoc Cp								
502-505	Stringers @ -70°, assoc Bo-Mo, dissCp	3167	500-510	10	0.05	0.007	0.011	Tr	Tr
507-516	Unaltered								
508	Fault (gouge)								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 8/11
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
516-579.5	Mod sericite-chlorite alt	3169	520-530	10	0.01	0.004	0.006	Tr	Tr
527. 527.5	Fault, blocky								
536	Bo stringer @ -60°								
544-546	Fault zone, blocky & shattered								
548	1/8" Bo stringer @ -50°	3171	540-550	10	0.06	0.002	0.004	Tr	Tr
551-553.5	Intense green sericite band @ -60°								
569-571	Intense green sericite band @ -60°	3173	560-570	10	0.01	0.005	0.008	Tr	Tr
575.5	Fr @ -50°, assoc Bo								
579.5-583.5	Strong sericite alt; FI ½", specular								
	hematite in mafics noted								
582-583.5	Fault, blocky								
583.5-595	Strong sericite-chlorite alt.								
585-587	Blocky shattered with Fr @ -60° assoc Cp-Bo	3175	580-590	10	0.05	0.002	0.004	Tr	Tr
594.5-595	Blocky								
595-603	Intense sericite alt with hem assoc								
	shearing								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 9/11
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
603-608	Intense argillic (clay) alt brecciated qtz vns, blocky	3177	600-610	10	0.02	0.018	0.030	Tr	Tr
	with Mo-Cp in Fr (-70°), assoc flaky sericite								
605-606	S.S. Fault @ -90°, Mo in slickenslides								
608	Fault								
608-618	Strong sericite alt; FI ½" Fr> -40°								
618-629	Mod sericite-chlorite alt	3179	620-630	10	0.01	0.001	0.001	Tr	Tr
629-632	Intense argillic (clay) alt								
630	S.S. Fault in 60° face								
632-700	Mod. propylitic alt	3181	340-350	10	0.01	Tr	Tr	Tr	Tr
667	¼" qtz vn @ -70°, assoc clay with Mo	3183	360-370	10	0.01	0.004	0.007	Tr	Tr
		3185	380-390	10	0.01	0.001	0.002	Tr	Tr
700-714	Intense argillic (clay) alt. some qtz vn	3187	700-710	10	0.01	0.001	0.001	Tr	Tr
	but barren								
700-706	Fault zone, blocky								
710-711	Fault, blocky & shattered								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 10/11
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
714-720.5	Strong to intense sericite-chlorite alt								
715=717	¼" qtz vn @ -80° assoc hem-ca,barren								
719	Fault								
720.5-739	Weak propylitic alt	3189	720-730	10	0.01	0.004	0.006	Tr	Tr
739-748	Intense argillic (clay) alt								
740.5	½" qtz vn @ -50°, Mo	3191	740-750	10	0.02	0.005	0.008	Tr	Tr
740.5-741	Fault blocky								
741.5	½" Micro qtz breccia with Mo								
746.5-747.5	Fault (gouge)								
748-756	Strong sericite alt minor clay								
756-758	Intense argillic (clay) alt								
756	Fault, blocky								
757.5	I.5" qtz on @ -60°, Mo								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-7

Hole No. _____ Sheet No. 11/11
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
758-762	Strong sericite alt								
762-767	Intense argillic (clay) alt. hem strong;	3193	760-770	10	0.03	0.004	0.006	Tr	Tr
	shattered								
765	Fault								
767-771	Strong sericite alt								
771-774	Weak propylitic alt								