THE DOWA MINING CO., LTD. (JAPAN)

010340

PROPERTY SHEBA COPPER MINES LTD.

HOLE No. S-71-8

DIP TEST		
	Angle	
Footage	Reading	Corrected
758	-89°	

Hole No. S-71-8 Sheet No. 1/10
Section
Date Begun July 3, 1971
Date Finished July 8, 1971

Lat. L 43 S
Dep. 41 W
Bearing -90°
Elev. Collar 5300 A.S.L.

Total Depth 0 - 758'
Logged By. L. W. Saleken
Claim Cu #1
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
0-7	Overburden-glacial till								
7-758	M.g. to c.g. slightly porphyritic granodiorite,								
	propylitic alt with argillic bands								
	Mineralization assoc with qtz vns & Fr								
7-78	Weak propylitic alt	3014	7-20	13	0.01	Tr	Tr	Tr	Tr
7-8.5	Oxide zone, iron staining weak assoc malachite	3015	20-30	10	0.02	0.002	0.003	Tr	Tr
25-26	Sericite stringers @ -60° to -80°, assoc Cp-Py								
30	Sericite stringer @ -80° assoc Cp	3016	30-40	10	< 0.01	0.002	0.003	Tr	Tr
45-48	Shatter zone, intense sericite-chlorite alt	3017	40-50	10	0.04	0.029	0.049	Tr	Tr
	Fr @> -70° assoc Cp-Py-Mo								
45.5	2" qtz vn @ -70°, assoc Mo	3018	50-60	10	0.01	0.004	0.007	Tr	Tr
63-78	Shatter zone, Fr @>-70°, assoc Py-Cp	3019	60-70	10	0.07	0.001	0.001	Tr	Tr
78-81	Unaltered	3020	70-80	10	0.02	Tr	Tr	Tr	Tr
81-85	Mod sericite-clay alt cp strong on Fr	3021	80-90	10	0.05	0.001	0.002	Tr	Tr
82	Bo-Cp vn @ -70°, assoc k-spar								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 3/10 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
166-217.5	Unaltered	3030	170-180	10	<0.01	Tr	Tr	Tr	Tr
176.5-178	Mod sericite alt	3031	180-190	10	<0.01	0.001	0.002	Tr	Tr
196-200	Mod sericite alt	3032	190-200	10	<0.01	0.002	0.004	Tr	Tr
209	3" qtz - k-spar porphyry (Pink Porphyry)	3033	200-210	10	<0.01	0.003	0.005	Tr	Tr
	barren								
213-214	Fr @>-60°, assoc sericite with Cp-Py	3034	210-220	10	0.01	0.002	0.003	Tr	Tr
217.5-228.5	Mod sericite-chlorite alt; Fl ¼" - ½", Fr>-60°	3035	220-230	10	0.08	0.002	0.004	Tr	Tr
217.5-218.5	Ep stringers @ -60°, assoc Cp-Py								
219.5	½" Aplite dyke @ -30° cut by -60 Fr assoc								
	Cp with sericite								
221-222	Shatter zone; Fr @>-60°, Cp-Py assoc sericite								
226.5	6" Aplite dyke, barren								
227.5	6" Aplite dyke @ -60°, barren								
228.5-234	Intense argillic (clay) alt; Cp noted with	3036	230-240	10	0.05	0.002	0.003	Tr	Tr
	sericite Fr; hem strong								
230	O.S. Fault on -80° face								
234-238	Strong argillic (clay) alt; Bo noted in								
	Mafics								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 2/10 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
85-116	Unaltered	3022	90-100	10	0.02	0.001	0.001	Tr	Tr
89-90	Fr @ -60° with sericite assoc Py-Cp								
105	3" Hem zone with ep Fr @ -40° to -50°	3023	100-110	10	0.01	Tr	Tr	Tr	Tr
108	6" Fracture zone, Fr @ -70° with 1/8" qtz								
	stringer assoc Py								
109	¼" vuggy qtz vn @ -60°, assoc Cp-Py								
116-138	Mod to strong sericite-chlorite alt	3024	110-120	10	0.01	Tr	Tr	Tr	Tr
121.5	¼" qtz vn @ -70°, assoc Mo								
121.5-130	Fracture zone, Fr @>-70° assoc Py,Cp weak	3025	120-130	10	0.04	0.002	0.004	Tr	Tr
124-125	Fr @ -80°, Cp-Bo assoc Py								
130-130.5	Aplite dyke @ -50° assoc Cp	3026	130-140	10	0.01	0.002	0.004	Tr	Tr
310.5-131	K-spar alt @ -80° assoc Cp-Py (Bo)								
138-156	Unaltered	3027	140-150	10	<0.01	Tr	Tr	Tr	Tr
150-156	Aplite dyke @ -80°, barren qtz - k-spar	3028	150-160	10	0.02	0.001	0.002	Tr	Tr
	vn @ -60°, barren								
156-166	Mod to strong sericite-chlorite alt								
159-161.5	Aplite dyke assoc Cp on -70° Fr	3029	160-170	10	0.01	0.001	0.001	Tr	Tr

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 4/10
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
238-259	Weak propylitic alt	3037	240-250	10	< 0.01	0.001	0.002	Tr	Tr
248.5-255	Strong clay alt. assoc. hem	3038	250-260	10	0.01	0.001	0.001	Tr	Tr
259-265.5	Strong sericite-chlorite alt	3039	260-270	10	< 0.01	0.001	0.002	Tr	Tr
265.5-295	Mod to strong sericite-chlorite alt assoc								
	qtz vns & Cp-Bo-Py Fr's								
275-277	Fr with Cp-Py weak								
277-281	Horsetail fracturing assoc intense clay alt	3040	270-280	10	0.26	0.002	0.003	Tr	Tr
	Fr @ -60° to -80° mineralized Cp-Bo mod.								
279	6" zone of qtz vn @ -60° diss Bo-Cp	3041	280-290	10	0.03	0.001	0.001	Tr	TR
295-301.5	Strong sericite-chlorite alt	3042	290-300	10	0.01	0.001	0.001	Tr	Tr
301	Fault, blocky with hem								
301-388	Intense argillic (clay) alt with	3043	300-310	10	0.06	0.011	0.003	Tr	TR
	½" to 1½" qtz vn's								
303	1½" qtz vn @ -60° assoc Mo on Fr								
303.5	1" qtz vn @ -60°, barren								
304.5	¼" qtz vn @ -60°, barren								
305	1" shattered qtz vn @ -60 assoc Mo								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 5/10
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
305.5	½" vuggy qtz vn @ -60°, barren								
306.5	¼" qtz vn @ -50°, assoc Fr @ -50° with								
	hem, Mo, Bo-Cp								
311-315	Zone qtz vn's & Fr @ -60° to-80°, assoc Cp-Bo -(Mo)	3044	310-320	10	0.16	0.011	0.019	Tr	0.01
	some diss								
316-328	Fracture zone mod Cp-Bo-(Mo) assoc	3045	320-330	10	0.08	0.004	0.007	Tr	0.01
	hem & ep								
318	Fault								
329.5-330.5	Zone qtz-ca vns @ -10° assoc Py - (Cp-Bo)								
330.5-338	Weak Cp-Bo-Py in Fr	3046	330-340	10	0.04	0.001	0.002	Tr	0.01
338-349	Mod to strong sericite-chlorite alt; FI ¼"	3047	340-350	10	0.04	0.008	0.013	Tr	0.01
	Fr > -60°, assoc weak Py-Cp (Bo)								
	with ch-sc; weak Mo diss								
448.5-449	Fracture zone, assoc Cp-Bo (mod)								
349-361	Intense argillic (clay) alt with qtz								
	veining, mod Cp-Bo-Mo mineralization								
	Fr & diss.								
352.5	3/4" qtz vn @ -60°, assoc Bo	3048	350-360	10	0.27	0.014	0.024	Tr	0.01
355	½" qtz vn @ 70°, Cp-Bo-(Mo)								

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DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 6/10
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
361-395	Mod sericite-chlorite alt FI 1" Fr>-60°	3049	360-370	10	0.05	0.001	0.002	Tr	0.01
		3050	370-380	10	0.01	0.001	0.001	Tr	0.01
395-400	Strong sericite-clay alt	3051	380-390	10	0.01	Tr	Tr	Tr	0.01
		3052	390-400	10	0.01	Tr	Tr	Tr	0.01
400-409.5	Mod sericite alt	3053	400-410	10	0.11	0.001	0.001	Tr	0.01
408.5-409.5	Fracture zone, Fr @>-70° assoc Bo								
409-415	Strong sericite-clay alt	3054	410-420	10	0.20	0.005	0.009	No	Assay
411	3" Micro-breccia of qtz-ch-hem, barren								
411.5	Fr @ -70°, assoc Bo, hem								
415-481	Intense argillic (clay) alt assoc sc-ch								
	Fr> -60°; weak diss & Fr Py-Cp (Bo), minor								
	Mo & hem, shear zone								
419-429.5	Blocky, core recovery 7'	3055	420-430	10	0.02	0.008	0.014		
420	Fault								
424	Fault								
429	Fault								
433-434	Fault, blocky	3056	430-440	10	0.07	0.008	0.014		
436-444	Blocky with hem								
448-449	Blocky with shattered qtz vn assoc Mo	3057	440-450	10	0.06	0.004	0.006		

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 7/10
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
449-454	Shattered, Fr > -60°, strong diss & Fr Bo-Cp-Mo	3058	450-460	10	0.25	0.003	0.005		
460	Fault	3059	460-470	10	0.04	0.002	0.004		
471-475.5	Shattered, Fr > -60°, FI varried, mod diss & Fr Cp-Bo	3060	470-480	10	0.16	0.003	0.005		
478	Blocky with hem, Fault								
481-515	Mod sericite alt	3061	480-490	10	0.07	0.033	0.055		
485-487	Shatter zones noted sulphides; assoc 6" qtz vn, barren	3062	490-500	10	0.02	0.011	0.019		
510	1" Aplite dyke @ -40°, barren	3063	500-510	10	0.01	0.006	0.010		
514-515	Shear strong hem & clay alt	3064	510-520	10	0.04	0.051	0.086		
515-530	Mod sericite-chlorite alt	3065	520-530	10	0.01	0.002	0.004		
530-554.5	Intense sericite-chlorite alt , ep strong shattered & sheared	3066	530-540	10	0.01	0.002	0.003		
543-544.5	S.S. fault on -60° face	3067	540-550	10	0.04	0.002	0.004		
554.5-575	Strong sericite-chlorite alt assoc clay	3068	550-560	10	0.05	0.008	0.013		
555	Fr @ -80°, assoc ch with Bo	3069	560-570	10	0.01	0.006	0.010		

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DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 8/10 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
575-580	Fault zone; intense clay alt assoc	3070	570-580	10	0.01	0.007	0.011		
	strong hem, blocky								
580-584	Mod sericite-chlorite alt	3071	580-590	10	0.01	0.002	0.004		
584-615	Intense argillic (clay) alt, assoc hem	3072	590-600	10	<0.01	0.001	0.002		
586-589	D.S. fault hem on -80° face	3073	600-610	10	0.01	0.002	0.004		
613-615	Fault, blocky with strong hem	3074	610-620	10	0.07	0.005	0.009		
615-617	Strong sericite-chlorite alt, assoc								
	strong hem & ep								
617-625.5	Unaltered								
621.5-623	Intense argillic (clay) alt.	3075	620-630	10	0.07	0.26	0.43		
625.5-630	Mod sericite-chlorite alt; weak diss								
	Py								
625.5	2" Mo stringer @ -80°, shatter zone								

THE DOWA MINING CO., LTD. (JAPAN)

PROPERTY _____ HOLE No. S-71-8

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 9/10
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
630-651	Intense argillic (clay) alt, hem strong	3076	630-640	10	0.03	0.013	0.021		
	shattering, weak diss. Mo-Cp (Bo)								
636-641	Shear zone, blocky with hem, sulphides								
650	D.S. Fault on -80° face	3077	640-650	10	0.06	0.008	0.013		
651-662	Weak to mod. propylitic alt. weak	3078	650-660	10	0.02	0.013	0.022		
	diss & Fr Cp-Bo, Fr -60°,								
662-683	Strong clay alt	3079	660-670	10	0.03	0.007	0.011		
		3080	670-680	10	0.04	0.004	0.007		
683-696	F.g. diorite dyke, mod clay alt	3081	680-690	10	0.02	0.003	0.005		
696-701	Intense argillic (clay) alt. with barren	3082	690-700	10	0.01	0.004	0.006		
	qtz vns.								
701-724	Unaltered								
704.5-706	Fracture zone, Fr @ -70°, mod diss & Fr	3083	700-710	10	0.07	0.049	0.082		
	Cp-Mo								
718	Strong hem with Bo	3084	710-720	10	0.04	0.014	0.024		

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-8

Hole No. _____ Sheet No. 10/10
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
724-740.5	Strong sericite-chlorite alt	3085	720-730	10	0.02	0.008	0.013		
728-730	Fault, blocky	3086	730-740	10	0.05	0.009	0.015		
740.5-747	Strong argillic (clay) alt	3087	740-750	10	0.11	0.007	0.011		
741.5-747	Strong CpPy diss & Fr								
747-758	Unaltered, weak Cp with Fr	3088	750-758	8	0.02	0.016	0.026		
752.5-753.5	Intense argillic (clay) alt with hem.								