THE DOWA MINING CO., LTD. (JAPAN)

010333

DIP TEST		
	Angle	
Footage	Reading	Corrected
350	-89°	
753	-89°	

PROPERTY SHEBA COPPER MINES LTD.

HOLE No. S-71-1

Approx. 1200', N 20 E of Gnawed Lake

Hole No. S-71-1 Sheet No. 1/9
Section L26S
Date Begun ~~May 26, 1971~~
Date Finished June 1, 1971

Lat. L26S
Dep. 41W
Bearing
Elev. Collar 5340 A.S.L.

Total Depth 0-753'
Logged By. L.W. Saleken
Claim JAY 9
Core Size B.Q.W.L.

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	% Cu	% Mo	% MoS_2 (Cal)	OZ./T. Au	OZ./T. Ag
0-18	Over burden - glacial till								
18 - 67	Medium grained, weakly foliated, quartz diorite;								
	Propylitic, weak to moderate clay,								
	chlorite - epidote in mafics and fractures								
	Cp-Bo noted with Fr								
18 - 31	Oxide zone shattered with strong								
	iron staining								
25	Malachite with - 55° Fr.	1001	20-30	10	0.01	Tr.	0.001	Tr	Tr
28-25.5	Cp-Bo with -60 Fr. assoc. ch-ep								
31.5	1/8" barren ep-qtz. vn @ -40°	1002	30-40	10	Tr.	Tr.	0.001	Tr.	Tr
33	Barren ep-qtz vn @-60°								
33.5-34	Fracture Swarm @-40° with ch, ep in mafics								
35	Fracture swarm @-40° with ch - ep - qtz.								
37	Barren vuggy qtz. - ca vn.								
41.5	Malachite with -40° Fr.	1003	40-50	10	0.01	0.003	0.005	Tr	Tr
42-48	Oxide zone, shattered with weak iron								
	staining								
48-58	Oxide zone, shattered with strong	1004	50-60	10	Tr	0.003	0.004	Tr	Tr
	iron staining, assoc, hematite; clay-ch-ep-strong								

THE DOWA MINING CO., LTD. (JAPAN)

PROPERTY _____ HOLE No. S71-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

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
67-72	Unaltered quartz diorite	1005	60-70	10	0.01	0.004	0.006	Tr	Tr
72-89.5	Meduim grained quatrz diorite; Propylitic,	1006	70-80	10	Tr.	0.001	0.001	Tr	Tr
	weak to moderate sericite-clay alteration;	1007	80-90	10	0.01	Tr	0.001	Tr	Tr
	F.I. -¼" -½", Fr > -50°								
74 - 75	shattered								
84 - 85	Shattered with hematite								
85	Cp noted								
89.5 - 101	Medium grained quartz diorite; Propylitic,	1008	90-100	10	Tr	Tr	0.001	Tr	TR
	Moderate to strong sericite - clay alteration,								
89.5-91.5	Shattered with strong sericite alteration								
95 - 96	1" barren ep-qtz vn @ -60								
101 - 107	Meduim grained granodiorite; Propylitic,	1009	100-110	10	Tr	Tr	0.001	Tr	Tr
	weak sericite - clay alteration								
107 - 110.5	Medium grained quartz diorite; propylitic								
	moderate sericite alteration								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____

HOLE No. S-71-1

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
110.5-150	Medium grainedgranodiorite; Propylitic,	1010	110-120	10	Tr	Tr	0.001	Tr	Tr
	weak to moderate sericite - clay alteration;								
	ep. moderate to strong along Fr & in mafics								
128-128.5	green sericite band @ -60°								
132	1" green sericite band with assoicated	1011	120-130	10	Tr	Tr	0.001	Tr	0.10
	-60° fractures								
133-134	green sericite band @-60° assoc. ep.	1012	130-140	10	Tr	0.001	0.002	Tr	0.10
134.5	green sericite band @ -60								
137	1" shatter zone @ -70° assoc ep-qtz-ca-zeolites								
141.5-142.5	Shatter zone @ -70°assoc. hematite	1013	140-150	10	0.09	0.001	0.001	Tr	0.10
144	Cp-Bo replacing mafic noted								
147	1" barren ep-qtz vn @ -80°								
148	Cp-Bo replacing mafic noted								
150-155	Mg quartz diorite; propylitic, strong	1014	150-160	10	0.05	Tr	0.001	Tr	0.10
	clay alteration with assoc. ep with Fr.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-1

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
155-168.5	Mg quartz diorite; propylitic, moderate	1015	160-170	10	Tr	Tr	0.001	Tr	0.10
	sericite - clay alteration; ep-ch								
	moderate in mafics; ep moderate								
	in -60° to -80° Fr; Cp -Bo noted with								
	mafics								
168 - 181	Mg. quartz diorite; propylitic, moderate	1016	170-180	10	0.05	0.001	0.002	Tr	Tr
	to strong sericite alteration, ep-ch								
	strong with mafics								
715-73	shattered								
175.5	Brecciated 1" ep-qtz vn @ -60°								
181-200	Mg. quartz diorite; Propylitic, strong to	1017	180-190	10	0.04	Tr	0.001	Tr	Tr
	intense sericite-chlorite alteration ep	1018	190-200	10	0.03	Tr	0.001	Tr	Tr
	strong; cp noted; F.I. 1/8" - ½"								
183. 5-86	Shatter zone assoc. hematite								
200 - 211	Mg. quartz diorite; Propylitic moderate,	1019	200-210	10	0.04	Tr	0.001	Tr	Tr
	sericite - clay alteration; ch mod. in mafics								
	ep weak; Fr > 60°; Cp-Bo Noted								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-1

Hole No. _____ Sheet No. 5/9
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
206	Ep - qtz-ca vn @-50° assoc. Cp								
210-211	S.S. Fault with hem, on -90° face								
211-238	Unaltered granodiorite								
221	Ep. stringer @-60° assoc. Cp.	1020	220-230	10	Tr	Tr	0.001	Tr	Tr
238-243.5	Quartz diorite; Propylitic, moderate sericite alt.								
243.5-246	Shear zone assoc. hem.	1021	240-250	10	0.01	Tr	0.001	Tr	Tr
246-257	M.g. quartz diorite; Propylitic, strong sericite alteration								
255-257	Shear zone								
257-268	Granodiorite; Propylitic, weak to mod. sericite alt.	1022	260-270	10	Tr	Tr	0.001	Tr	Tr

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-1

Hole No. _____ Sheet No. 6/9
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
268-270	Unaltered Granodiorite								
270-270.5	Strong sericite propylitic alteration								
270.5-271	Aplite dykes @ -80°, barren								
271-272.5	granodiorite; Propylitic, strong sericite alteration								
272.5-279	Granodiorite; weak propylitic alt.								
279-299	Sheared granodiorite; Propylitic, strong sericite-chlorite alt. assoc flaky sericite	1023	280-290	10	Tr	Tr	0.001	Tr	Tr
277.5-289	Fault								
299-317	Granodiorite; Propylitic, mod. sericite alt.								
305.5	2" aplite dyke @ -80°, barren	1024	300-310	10	Tr	Tr	Tr	Tr	Tr
315	Fault with gouge								

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DIP TEST		
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Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-1

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
317-322	Unaltered F.g. granodiorite	1025	320-330	10	Tr	Tr	Tr	Tr	Tr
322-372	M.g. granodiorite; Propylitic, mod.								
	sericite-clay alt, ch-ep mod,	1026	340-350	10	Tr	Tr	Tr	Tr	Tr
	ca - zeolites stringers								
364-365	Shattered	1027	360-370	10	Tr	0.002	0.003	Tr	Tr
367-68	Shattered								
372-376	Shattered granodiorite; Propylitic,								
	strong sericite-chlorite alt.								
376-387	Sheared granodiorite; Propylitic,								
	intense sericite-chlorite alt. assoc.								
	hem.								
377	Fault (gouge)								
381-382.5	Aplite dyke, alt. to sericite, barren	1028	380-390	10	0.01	Tr	Tr	Tr	Tr
386.5-387	Fault (gouge)								

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DIP TEST		
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Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-1

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
387-444	Granodiorite; Propylitic weak to mod.								
	sericite - chlorite alt. assoc. hem.,								
	ep. weak								
387-420	Shattered	1029	400-410	10	0.01	0.003	0.005	Tr	Tr
		1030	420-430	10	Tr	0.002	0.004	Tr	Tr
444-511	M.g. granodiorite; Propylitic, strong								
	sericite-clay alt., ep. strong on Fr.								
447-465	Shattered	1031	440-450	10	0.01	Tr	Tr	Tr	Tr
457-459	Fault (gouge)								
460-461	Fault (gouge)	1032	460-470	10	0.02	Tr	0.001	Tr	Tr
473-475	D.S. fault assoc. hem. on -20° face								
477-478.5	D.S. fault	1033	480-490	10	Tr	Tr	Tr	Tr	Tr
507-508	Shattered aplite dyke, barren	1034	500-510	10	0.01	Tr	Tr	Tr	Tr
511-753	Granodiorite; Propylitic, mod. to strong								
	sericite - chlorite alt., ep. weak								
513.5	2" aplite dyke @ -40°, barren	1035	520-530	10	Tr	Tr	Tr	Tr	Tr
540	2" aplite porphyry @ -50°, barren	1036	540-550	10	Tr	Tr	Tr	Tr	Tr
549	2" aplite dyke, barren								

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DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-1

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
578-580	Shear zone, strong sericite	1037	560-570	10	Tr	Tr	Tr	Tr	TR
649	Fault (Sand)	1038	580-590	10	Tr	Tr	Tr	Tr	Tr
671-676	Shattered assoc. Fault with hem.	1039	600-610	10	0.01	Tr	Tr	Tr	Tr
689-693	Shattered	1040	620-630	10	0.01	Tr	Tr	Tr	Tr
701-713	Shattered	1041	640-650	10	0.01	Tr	Tr	Tr	Tr
735-737	Ep. - qtz. vn assoc. hem., barren	1042	660-670	10	Tr	Tr	Tr	Tr	Tr
735-740	Shattered	1043	680-690	10	Tr	Tr	0.001	Tr	Tr
		1044	700-710	10	0.01	Tr	0.001	Tr	Tr
		1045	720-730	10	0.01	Tr	0.001	Tr	Tr
		1046	740-753	13	Tr	Tr	0.001	Tr	Tr