THE DOWA MINING CO., LTD. (JAPAN)

010334

DIP TEST		
	Angle	
Footage	Reading	Corrected
680	-89	

PROPERTY SHEBA COPPER MINES LTD.

HOLE No. S-71-2

Approx 350', N 10 W of MARK LAKE

Hole No. S-71-2 Sheet No. 1/15
Section L26S
Date Begun June 2, 1971
Date Finished June 6, 1971

Lat. L26S
Dep. 24+50W
Bearing
Elev. Collar 5270 A.S.L.

Total Depth 0-706'
Logged By. L. W. Saleken
Claim ANN #5 Fr.
Core Size B.Q.W.L.

DEPTH	DESCRIPTION	SAMPLE No.	FOOTAGE	WIDTH OF SAMPLE	0/0 Cu	0/0 Mo	0/0 MoS_2(Cal)	oz./T Au	oz/T Ag
0-15	Overburden - glacial till								
15-86	M.g. quartz diorite; moderate propylitic	1047	16-20	6	Tr	0.001	0.002	Tr	0.03
	Alt., ep-ch weak in mafics, ep								
	strong in Fr.; F.I. ->3/4", Fr. av. -40° to -50°								
16	2" aplite dyke @ -40°								
18.5	Ca - zeolite stringers @ -50°								
21	¼" ep - qtz vn @ -50°	1048	20-30	10	Tr	Tr	Tr	Tr	0.03
25	Ca - zeolite stringer @ -70								
29-29.5	Shattered								
30.5-31	Strong green seritic alt. assoc. ep-qtz-ch stringer								
	@-65°								
32 - 41	Shattered with moderate iron staining								
41	½" barren qtz vn @ -70° assoc. ep.	1050	40-50	10	Tr	Tr	Tr	Tr	0.03
42.5	Ep stringer @ -40 assoc. Bo with mafics								
43	¼" ep - qtz vn. @ -40°								
45.5	¼ Ch-qtz vn @ -50°								
47.5	Ch-ep Stringers @ -65°								
49.5	1" ep - qtz vn @ -60 assoc. clay alt.								
52	2" aplite dyke @ -50°								
53.5	Ch. stringers @ -85°								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 2/15 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
54-54.5	Ep-qtz-ch stringer @ -70°								
56-58	Strong green sericite band @ -80 assoc. ep & ch								
58	2½" Aplite dyke @ -60								
60.5	Ep. strings	1052	60-70	10	Tr	0.001	0.001	Tr	0.03
64	Ch-qtz stringer @ -60°								
66	Ep-ch stringer @ -90°								
69-78	Zone of zeolite - ca. stringer @ ->70°								
86-106	Unaltered granodiorite								
86-90	Zone of zeolite - ca. stringers @ -85°	1054	80-90	10	Tr	0.001	0.001	Tr	0.03
93.5	Fault, assoc. hem. on -50° surface	1055	90-100	10	Tr	Tr	Tr	Tr	0.003
96	Ep stringer @ -65°, assoc. green sericite								
97.5	Ep stringer @ -60 , assoc. green sericite								
100	Ep-ch stringer @ -60°, assoc Bo in mafics	1056	100-110	10	0.03	Tr	Tr	Tr	0.03

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 3/15
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
106-120	M.g. quartz-diorite; propylitic, moderate								
	clay alt., ch-ep mod. in mafics, ep.								
	weak in Fr.								
106-108	Shattered								
109-111	Shattered with S.S. fault on -80° face, assoc. hem.								
116.5	Fault on -50° face, assoc. hem.								
117-119.5	Shattered								
120	1½" ep - qtz vn., barren								
120-125.5	M.g. to f.g. quartz diorite; propylitic,	1058	120-130	10	0.02	0.001	0.001	Tr	0.03
	Mod. to strong sericite - chlorite alt.,								
	ep. strong in mafics & fractures								
124-125.5	Bo replacing mafics, assoc ep-ch.								
125.5-130	M.g. to f.g. quartz diorite; propylitic,								
	mod. clay alt., ep-ch strong in mafics								
127-130	Shattered, assoc. ca-zeolite								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 4/15 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
130-146	F.g. to m.g. quartz diorite; weak to								
	moderate propylitic alt.								
134	1/8" aplite vn @ -60°								
134-135.5	Shattered, D.S. fault @ 135 on -85° face								
135.5	3/4" ep - qtz vn @ -60°, barren								
142.5	3" alt. aplite dyke @ -50°	1060	140-150	10	Tr	Tr	Tr	Tr	0.03
144	3" qtz stringer zone @ -50° assoc. sericite,								
	barren								
146-173.5	M.g. quartz diorite; propylitic,								
	weak to mod. sericite - clay alt. assoc								
	ep-ch in mafics, ca-zeol. on fractures								
	in shattered areas								
147	3/4" aplite @ -40°								
165.5	Fracture with malachite @ -40°, Cp noted	1062	160-170	10	Tr	Tr	Tr	Tr	0.03
	in mafic								
170-172.5	Shattered								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 5/15 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
173.5-232	M.g. to f.g. quartz diorite; propylitic,								
	weak to mod. clay alt., assoc								
	ep-ch in mafics, ep strong in Fr.								
175-181	Shattered								
191.5	2" ep-qtz-ch vn @ -50°, barren	1064	180-190	10	0.01	Tr	Tr	Tr	0.03
197-203	Shattered, assoc. ep.,								
200-201	Ep vn @ -40° assoc. hem.	1066	200-210	10	Tr	Tr	Tr	Tr	0.03
212-214	Shattered								
214	1" Ep - qtz vn. @ -70°, barren								
218	2" Ep - qtz vn @ -40°, assoc. hem.,	1067	220-230	10	Tr	0.001	0.001	Tr	0.03
	barren								
232-244	M.g. quartz diorite; propylitic,	1095	230-240	10	Tr	Tr	Tr	Tr	0.03
	mod. to strong sericite - clay alt.,								
	ep - ch mod. in mafics, ep. strong								
	in Fr.								
238	1" Ep - qtz vn. @ -60°								
241-244	Intense sericite - clay alt.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 6/15 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
244-248	M.g. quartz diorite; propylitic								
	intense clay alt. assoc strong								
	ep in mafics & Fr., ch weak								
	Mo noted in mafics								
248-284	Qtz-feldspar Porphyry (Sheba Prophyry),								
	mod. sericite-clay alt., ep-ch strong	1070	260-270	10	0.01	0.001	0.002	Tr	0.03
	in mafics	1096	270-280	10	0.01	0.001	0.001	Tr	0.01
248-249	Chilled margin @ -60°	1071	280-290	10	0.01	0.004	0.007	Tr	0.01
281-284	Shattered zone, assoc. ep-qtz-hem stringers								
	some brecciation								
284	Fault on -70° face								
284-290	M.g. quartz diorite; propylitic, mod. to strong								
	sericite-clay alt., ep-ch strong in								
	mafics, ep- hem. mod in Fr								
286	Oblique slip fault on -80° face assoc. hem								
290	O.S. fault								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 7/15
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
290-325	M.g. quartz diorite; propylitic, intense								
	sericite-chlorite alt. assoc. hem.,	1072	300-310	10	0.01	0.001	0.002	Tr	0.01
	ep., pyrolusite								
297	S.S. fault on -70° face								
325-330	M.g. quartz diorite; proylitic, strong	1073	320-330	10	0.01	0.002	0.003	Tr	0.01
	sericite-chlorite alt., ep. strong in								
	mafics								
328-330	Shattered assoc. hem.								
329.5	D.S. fault on -85° face								
330-341	F.g. - m.g. quartz diorite; propylitic mod.								
	sericite alt., ep-ch strong in mafics								
341	Ft assoc. hem.								
341-350	F.g. - m.g. quartz diorite; propylitic,	1074	340-350	10	Tr	0.002	0.004	Tr	0.01
	mod. to strongclay alt. ep-ch								
	strong in mafics, ep strong Fr.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 8/15 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
350-367.5	M.g. quartz diorite, propylitic, intense								
	sericite alt., assoc. clay, ep, hem;								
	qtz-ca stringers @ -20° to -40°, barren								
361-362.5	Shatter zone assoc. strong hem.	1075	360-370	10	Tr	0.001	0.001	Tr	0.02
363	O.S. fault on -60° face								
367.5-380	M. g. quartz diorite; propylitic, strong								
	sericite-chlorite alt., assoc. hem. & ep								
374.5	O.S. fault on -80° face assoc. ep-ch								
376	2" ep-qtz vn @ 0 -40°, barren								
379	1" qtz-hem. vn @ -40°, barren								
380-401	M. g. quartz diorite; propylitic, intense	1076	380-390	10	Tr	Tr	Tr	Tr	0.02
	sericite alt., hem. strong, assoc. ch.								
382	1" qtz-hem. vn @ -60°, barren								
398	D.S. fault on -75° face, assoc. hem-qtz-								
	ch, barren.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 9/15
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
401-425	Shattered quartz diorite; propylitic,	1077	400-410	10	Tr	0.001	0.001	Tr	0.02
	intense sericite-clay alt., assoc.								
	hem.								
423-425	Fault assoc. hem.								
425-431	M. g. quartz diorite; propylitic, strong	1078	430-430	10	Tr	Tr	Tr	Tr	0.02
	serecite-chlorite alt., assoc. ep. & hem								
	shattered								
429-430.5	Aplite dyke @ -60°								
431-451	M. G. -f. g. leucocratic quartz diorite;	1079	440-450	10	Tr	0.001	0.001	Tr	0.02
	propylitic, mod. sericite-chlorite alt.								
	assoc. ep in Fr. & mafics, ca-zeolite								
	stringers								
451-472	M. g. -f.g. Unaltered leucocratic quartz diorite	1080	460-470	10	Tr	0.001	0.002	Tr	0.01
472-488	M.g. granodiorite; propylitic, mod.	1081	480-490	10	Tr	0.001	0.001	Tr	0.01
	sericite-chlorite alt., ep weak in mafics								
	& Fr.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 10/15 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
488-500	M. g. granodiorite; propylitic, strong								
	sericite- chlorite alt.								
491	Fault assoc. hem.								
496	½" qtz-ca vn @ -40, barren								
496.5	D.S. fault assoc. ch-hem. on -60° face								
500-508	M. g. unaltered granodiorite	1082	500-510	10	Tr	0.001	0.001	Tr	0.01
508-511	M. g. granodiorite; propylitic, strong								
	sericite-chlorite alt.								
510	4" qtz - k-spar vn @ -50°, barren								
511-518	M.g. - f.g. Unaltered granodiorite.								
	ch-ep-sc stringers @ -60° common								
518-524	M.g. - f.g. granodiorite; propylitic, strong	1083	520-530	10	0.02	0.001	0.001	Tr	0.01
	sericite-chlorite alt.								
519	Bo assoc. ep-ch Fr. @ -70°								
520.5	¼" ca. vn @ -20°, barren								
522	6" aplite dyke @ -40°, barren								
522.5	½" Ep-qtz vn @ -70°, assoc. Bo - specularite								
	with mafics								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 11/15
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
523.5-524	Zone, ep-qtz vns. Bo replacing mafics noted								
524-536.5	F. g. - m.g. Unaltered granodiorite; assoc. ch-ep	1097	530-540	10	0.01	0.002	0.003	Tr	0.01
	Fr. & stringers @> -70°								
527.5	Bo, assoc. ch. Fr. @ -60°								
534	½" Ep-qtz. vn. @ -70°, assoc. clay alt., barren.								
536.5-538.5	M.g.-f.g. granodiorite; propylitic, mod.								
	sericite-chlorite alt. assoc. Bo								
536.5	O.S. fault on -60° face, assoc. hem., ch.								
	& ca.								
537	Stringer swarm with ch. & clay @ -40° to -60°								
	assoc. Bo replacing mafics.								
538.5-568	F.g.-m.g. leucocratic granodiorite; weakly								
	propylitic.								
541.5-542	Ep stringers @ -70°, barren	1084	540-550	10	Tr	0.001	0.001	Tr	0.03
546.5-548.5	Ep stringers @ -60°, barren								
549-550	Clay alt. with ep stringers @ -70° to -80°								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 12/15
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
552.5-558	¼" Ep-qtz vns. @ -70°, assoc. Bo in mafics	1093	550-560	10	0.06	0.001	0.002	Tr	0.03
560.5	Ch Fr. assoc. Cp - Bo	1085	56-570	10	0.03	0.001	0.001	Tr	0.03
564	qtz vn assoc. Cp								
565	6" aplite dyke @ -30°, barren								
566	4" Aplite dyke @ -70°, barren								
568-573.5	Granodiorite; propylitic, strong sericite	1094	570-580	10	0.03	0.001	0.001	Tr	0.03
	clay alt.								
569-571	Bo assoc. ch. Fr. & mafic replacement								
573.5=576	Shear zones @ -75°, assoc. intense hem. & Clay alt.								
	barren								
576-581.5	Granodiorite, propylitic, intense sericite	1086	580-590	10	0.01	Tr	Tr	Tr	0.03
	chlorite alt., ep weaken Fr. & mafics								
579	Bo with ep. stringer @ -60° replacing mafic								
581.5-584	M.g. granodiorite; propylitic, mod. sericite								
	chlorite alt.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 13/15
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
584-611	Unaltered granodiorite; ca-zeol-cp								
	-qtz assoc -50° to -70° Fr & vns								
592.5	¼" ep-qtz vn @ -50° assoc Bo	1098	590-600	10	Tr	0.005	0.008	0Tr	0.02
593.5	4" green sericite band, assoc ep-ch @ -70° barren								
597.5	4" green sericite band, assoc ca-ep-ch								
	@ -70°								
602	4" Aplite dyke @ -50°, barren								
610-611	Shatter zone, intense clay & hem;								
	O.S. Fault on -40° face								
611-622	M.g. granodiorite; propylitic mod	1099	610-620	10	0.01	0.002	0.003	Tr	0.02
	sericite-clay alt, ep-ch mod in mafics								
	& Fr; FI 3/4" - ½"								
617.5	O.S. fault on -40° face								
622-630.5	M.g. granodiorite; propylitic, strong								
	sericite-chlorite alt.								
629.5	qtz-hem. vn @ -50°, barren								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 14/15
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
630.5-633	M.g. sheared granodiorite; propylitic, intense								
	sericite alt. assoc. hem.								
633-635	Micro hem. -qtz breccia, barren;								
	S.S. fault on -80° face								
635-637	M.g. sheared granodiorite; propylitic,								
	intense sericite alt.								
637-665.5	M.g. granodiorite; propylitic, strong								
	sericite alt., assoc. ep-ch-hem								
	with mafics & fractures.								
655-658	Ep-qtz swarm @ ->60°, barren	1100	650-660	10	Tr	0.002	0.004	Tr	0.02
658-660	Shattered, assoc. hem-ep-qtz, Fr.								
	@ -40° to -60°								
661.5	1" intense clay banded @ -40°, assoc. Mo.		660-670	10	Tr	Tr	Tr	Tr	0.02
661.5-663	Zone of noted Cp mineralization								
663	Fault on -60° face assoc. hem.								
664-665.5	D.S. fault, assoc. intense hem, green sericite								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-2

Hole No. _____ Sheet No. 15/15
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 Au	Mo	MoS_2 (Cal)	Au	Ag
665.5=668	M.g. granodiorite; propylitic, intense								
	sericite alteration								
668-706	Sheared granodiorite; propylitic, intense	1101	670-680	10	.12	0.004	0.006	Tr	0.02
	sericite-chlorite alt. assoc hem. clay	1091	680-690	10	0.02	0.005	0.009	Tr	0.02
	& ep	1102	690-700	10	0.01	0.002	0.004	Tr	0.02
669-674	Intense hem.	1092	700-706	6	Tr	0.007	0.012	Tr	0.02