THE DOWA MINING CO., LTD. (JAPAN)

010336

DIP TEST		
	Angle	
Footage	Reading	Corrected
754	-89	

PROPERTY SHEBA COPPER MINES LTD.

HOLE No. S-71-4

Approx 1800' N 10 W of Mark Lake

Hole No. S-71-4 Sheet No. 1/10
Section L 12 S
Date Begun June 14, 1971
Date Finished June 17, 1971

Lat. L 12 S
Dep. 26W
Bearing
Elev. Collar 5300 A.S.L.

Total Depth 0-754'
Logged By. L. W. Saleken
Claim J #38
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
0-13	Overburden-glacial till								
13-66	M.g. slightly foliated granodiorite; weak propylitic alt.								
13-24	Weathered & bleached								
28-31	Blocky								
31-38	Sericite-clay alt intense assoc flaky sericite with Fr								
51.6	Fr @ -60° assoc Bo-Cp								
59	Fault								
66-72	M.g. qtz - K-spar porphyry (Pink Porphyry) unaltered								
72-81	M.g.-f.g. unaltered granodiorite some ch in mafics								
81-94	M.g. granodiorite; propylitic, strong sericite-chlorite alt. ep weak	1193	80-90	10	0.01	0.001	0.002	Tr	0.02
88-91	Zone Cp-Bo replacing mafics assoc chlorite								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

Hole No. _____ Sheet No. 2/10
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
90	Fault	1194	90-100	10	0.01	0.001	0.002	Tr	0.02
94-103.5	M.g. - f.g. granodiorite, weak propylitic								
	alt.								
102-103.5	Strong sericite-clay alt.								
103.5-107.5	Hornblende-mafic dyke propylitic								
	intense clay alt. assoc ep-ch								
	strong in mafics, flaky sericite noted								
107.5-112.5	M.g. - f.g. granodiorite, weak propylitic								
	alp.								
110-112	Aplite dyke @ -65°								
112.5-117	Altered qtz feldspar porphyry (Sheba								
	Porphyry) ep replacing plag								
117-128	M.g. granodiorite; propylitic								
	mod sericite-chlorite alt								
125-128	Strong sericite -chlorite alt.								
127-128	Fault zone @ -40°								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

Hole No. _____ Sheet No. 3/10
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
128-231	M.g.-f.g. unaltered granodiorite; FI >1"	1195	140-150	10	0.01	0.001	0.001	Tr	0.02
	alteration restricted to Fr, Fr > -60°	1196	170-180	10	0.01	0.001	0.002	Tr	0.02
		1197	180-190	10	0.02	0.001	0.002	Tr	0.02
231-240	Sheared granodiorite; propylitic strong	1198	220-230	10	0.02	0.002	0.003	Tr	0.01
	to intense sericite-chlorite alt assoc	1199	230-240	10	0.01	0.005	0.008	Tr	0.01
	hem								
240-256.5	M.g. unaltered granodiorite								
256.5-280	M.g. granodiorite; propylitic								
	mod. sericite-chlorite alt; assoc zeolites,								
	ca, hem & ep; FI ½" - 1" Fr > -60°								
270	Fr @ -70° assoc Bo-Cp; ch-sc-ep								
273-274	Fracture zone with -60° to 70° Fr	1200	270-280	10	0.04	0.001	0.001	Tr	0.01
	assoc Bo-Cp, ep-ch-sc								
278.5	½" aplite @ -70°, fractured @ -50°								
	with assoc. Bo								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

Hole No. _____ Sheet No. 4/10 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
280-297	Granodiorite; propylitic, strong	1201	280-290	10	0.02	0.001	0.001	Tr	0.01
	sericite-chlorite alt. assoc ep, ca								
	hem; Fl ¼", Fr > -40°								
284-285	Shattered & Blocky								
286	O.S. fault on -80° face assoc hem								
288-290	Hornblende mafic dyke, intense								
	propylitic clay alt., attitude ?								
292.5	Fr @ -60° assoc Mo								
295-295.5	Fracture zone with cross-cutting	1202	290-300	10	0.06	0.001	0.002	Tr	0.01
	Fr @ -30° to -60° assoc Bo-Mo								
297-300	Aplite porphyry @ -70° barren								
300-302	M.g. granodiorite; propylitic,								
	mod sericite-chlorite alt.								
302-312.5	qtz-K-spar porphyry (Pink porphyry)								
	f.g. propylitic, mod. sericite-								
	chlorite alt.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

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
312.5-333	M.g. granodiorite; propylitic, mod to strong								
	sericite-chlorite alt. assoc ep								
318	1/8" qtz vn @ -70°, assoc Bo-Cp								
320-321	Aplite dyke @ -60°								
324	Fr @ -40° assoc Bo & ch								
331.5	Fr @ -50°, assoc Mo & sc	1203	330-340	10	0.03	0.001	0.002	Tr	0.01
333-354	unaltered f.g. granodiorite, some								
	sericite-chlorite alt. along fractures;								
340	3/4" Aplite dyke @ -70°	1204	340-350	10	0.07	0.001	0.002	Tr	0.01
345-353	Fracture area, Fr @ > -60° with ch-sc (ep)								
	some qtz vn assoc. Bo-Cp weak, FI > 1"								
354-355.5	Hornblende mafic dyke; propylitic, intense	1205	350-360	10	0.02	0.001	0.001	Tr	0.01
	clay alt. assoc hem, shattered								
356.5-365	Granodiorite; propylitic, mod sericite-								
	chlorite alt.								
358-362	Fracture area, Fr @ > -60°, with								
	ch-se-ep assoc Bo-Cp weak								
	FI > 1"								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

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
365-366.5	Intense argillic (clay) alt. ban @ -60°	1206	360-370	10	0.02	0.013	0.021	Tr	0.01
	chalky								
366.5-389	M.g. granodiorite; mod. propylitic								
	alt.								
374	¼" qtz vn @ -70° assoc Bo - Cp								
389-429	M. g. granodiorite; intense argillic (clay)								
	alt. assoc Sc; FI 1/8" - ¼", Fr >-40°,								
390.5-391	Fault, hem strong								
395-397	Fault, hem strong								
403.5	½" qtz vn @ -60° assoc Bo-Cp								
408	Fr. @ -60° assoc Bo - Cp with ch								
409.5	Fr @ -60°, assoc Bo-Cp with ch	1207	410-420	10	<0.01	0.001	0.002	Tr	0.01
412-414	Chalky clay with hem, Fault zone								
428.5	Hem. shear (1") @ 005°, fault								
429-430	Fault & shearing strong hem.								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

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
430-440	Intense argillic (clay-sericite) alt.,	1208	430-440	10	<0.01	0.001	0.001	Tr	0.02
	porphyritic texture, M.g. granodiorite?								
432	Cp-Mo noted replacing mafic								
440-462.5	M.g. granodiorite; propylitic,								
	strong sericite alt. assoc hem, ca								
456.5-457	6" vuggy qtz vn @ -50°, assoc hem								
	barren								
461	Qtz stringer @ -50°, assoc Mo-Cp								
462.5-468	M.g. unaltered granodiorite								
466	Aplite dyke @ -60°, barren								
468-517	M.g. granodiorite, mod propylitic	1209	470-480	10	<0.01	0.001	0.001	Tr	0.02
	alt.								
505-505.5	4" Mafic dyke, foliated, bi>h,								
	mafics 30%; unaltered								
505.5-511	M.g. qtz-K-spar porphyry (Pink Porphyry)	1210	500-510	10	0.01	0.001	0.001	Tr	0.02
513-515	Intense argillic (chalky clay) alt.	1211	510-520	10	0.02	0.001	0.002	Tr	0.02

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. 8-71-4

Hole No. _____ Sheet No. 8/10
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
517-522	M.g. granodiorite; intense argillic (clay-sericite)								
	alt. assoc hem & qtz vn; FI ½", Fr > -40								
518-519.5	Chalky clay, 4" qtz on @ -50°, assoc Mo-Cp								
	blocky								
519.5-520.5	Hem strong, sericite assoc Cp noted								
	fault?								
522-542	M.g.-f.g. granodiorite; propylitic	1212	530-540	10	0.02	0.001	0.002	Tr	0.02
	mod to strong sericite alt., mafics								
	generally weakly chloritized								
536.5	½" qtz vn @ -70° assoc. Mo an Fr								
542-545	Intense argillic (clay) alt, chalky;	1213	540-550	10	0.01	0.001	0.002	Tr	0.02
	Cp noted in mafic, weak								
545-582.5	M.g. granodiorite; propylitic strong								
	sericite alt.; FI ½" - 3/4", Fr > -40°								
575	½" qtz vn @ -50°, barren								
582.5-585.5	Intense argillic (clay) alt.	1214	580-590	10	0.01	0.001	0.001	Tr	0.02
582.5	½" qtz vn @ -60°, barren								
585	½" qtz vn @ -70°, Mo with Fr								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

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
585.5-596	M.g. granodiorite; propylitic, strong								
	sericite alt. assoc hem								
585.5	O.S. Fault on -60° face assoc hem.								
593	Fr @ -70°, assoc Cp								
596-598	Intense argillic (clay) alt; assoc								
	¼" qtz vns @ -50°, barren								
598-652.5	M. g. granodiorite, propylitic mod &								
	strong sericite alt. assoc hem, ca								
	clay & flaky sericite								
607-622	Shear zone, flaky sericite, Cp noted	1215	610-620	10	0.01	0.001	0.001	Tr	0.02
641-644	Weak fracture zone, Fr @>-70 with	1216	640-650	10	0.03	0.001	0.002	Tr	0.02
	ch-ep-sc assoc Bo-Cp weak								
645-646	O.S. fault on -70° face								
648-650.5	F.g. diorite dyke(?) strong ch-ep alt								
	assoc hem, Cp noted in mafics								

THE DOWA MINING CO., LTD. (JAPAN)

DIP TEST		
	Angle	
Footage	Reading	Corrected

PROPERTY _____ HOLE No. S-71-4

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
652.5-654	Chilled contact @ -50°; f.g. matrix with	1217	650-660	10	0.02	0.002	0.003	Tr	0.02
	phenocrysts of qtz, feldspar & mafics								
654-754	Qtz-feldspar porphyry (Sheba Porphyry)	1218	680-690	10	0.01	0.001	0.002	Tr	0.02
	m.g.-c.g., subhedral to								
	euhedral qtz & plag. chrystals set in a								
	greenish-grey aphenitic matrix;								
	weak to mod. alt. FI > 1"								
	Cp-Bo noted along Fr								
654-656	Weak fracture zone, Fr @ > -60°, assoc								
	ch-sc-ep with Bo-Cp weak								
676.5	Bo stringer @ -70° assoc clay alt.								
715.5	Bo stringer @ -60°								
721	Bo stringer @ -70° assoc ep	1219	720-730	10	0.01	0.001	0.001	Tr	0.02
726.5	Bo Stringer @ -70° assoc ep	1220	730-740	10	0.01	0.001	0.001	Tr	0.02
738	Bo stringer @ -50° assoc Sc-ep	1221	740-754	14	0.02	0.001	0.001	Tr	0.02