DIAMOND DRILL RECORD

LOGGED BY T. Rose

008608

PROPERTY SWIM LAKES 'A' GROUP

D.D.H. No. A-44-71 PAGE 1

LATITUDE 15,070.0 N 4,593.34 BEARING OF HOLE S30°W STARTED Sept. 2, 1971

DEPARTURE 60,221.0 E 18,355.36 DIP OF HOLE -60° COMPLETED Sept. 7, 1971

ELEVATION est 3398' 1035.71 DIP TESTS 300'-67.5°, 500'-75.5°, 700'-77°. DEPTH 699' 213.05

CLAIM No. 25

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
0	20	OVERBURDEN:					
	6.1						
20	35.5	SERICITE SCHIST:					
	10.8	Highly oxidized to rusty colour. Minor quartz. No sulphides.					
		C.A. 70° at 34'. Core Recovery 85%.					
35.5	144.2	QUARTZ SERICITE SCHIST:					
	43.9	Dark grey in colour. Highly fissile. 80' to 96' 10-15% Chloritic					
		material. 106' to 112' 5% chloritized. Minor oxidation along bedding to 93'.					
		57.4' to 73' quartz veinlets, .2 to .6 inches wide and from 96' to 133'. The rock					
		is medium soft, 20% quartz, negligible sulphides, bedding undulating and showing					
		dragfolds.					
		C.A. 65° at 40', 65° at 58', 55° at 93', 55° at 117', and 65° at 144'.					
		Core Recovery - 85%.					
144.3	150.6	QUARTZ SERICITE SCHIST:					
	45.9	10% oxidation. Bedding badly contorted with continuous dragfolds along					

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PROPERTY _____

D.D.H. No. A-44-71 PAGE 2

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. -

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		length of core. Grey buff in colour. Medium soft. 15% quartz. 5% chloritized.					
		Negligible sulphides. Numerous tiny quartz veinlets and broken bands.					
		Core Recovery - 100%					
150.6	195.9	QUARTZ SERICITE SCHIST:					
	59.7	Light grey in colour. Highly fissile in sections. Medium soft.					
		25% quartz. 15% oxidized along bedding. 15% chloritized from 171' to 173',					
		Quartz veins occurring at 160', 169', 169.3 to 170', 172' 176 to 176.6', 187					
		to 191' .2 to .6 inches wide, minor pyrite associated.					
		C.A. 65° at 161', 60° at 177', 70° at 187'.					
		Core Recovery - 95%.					
195.9	219	QUARTZ SERICITE SCHIST:					
	66.7	Greyish white in colour. Moderately bleached. Bedding highly contorted					
		with continuous dragfolds along length of core, medium hard, 35% quartz, 5%					
		sulphides occurring in broken bands and along folds. Mainly pyrite and					
		pyrrhotite. .2% lead zinc. 195.9' to 197.6' badly decomposed, 20% oxidized.					

DIAMOND DRILL RECORD

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D.D.H. No. A-44-71 PAGE 3

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		Remainder of section 10% oxidized along bedding.					
		Core Recovery - 100%.					
219	422	QUARTZ SERICITE SCHIST:					
	128.6	Medium soft. 15 to 35% quartz. Greyish colour. Banding distinct in					
		sections. 255' to 272' bedding highly contorted with minor dragfolds along					
		length of core. Minor bleaching. 5 to 10% chloritized in upper section.					
		10 to 15% chloritized to 410'.					
		392' pronounced dragfolding occurring along core axis for 6 inches. Few quartz					
		veinlets. Negligible sulphides. Fissile in part.					
		C.A. 75° at 268', 65° at 287', 60° at 313', 70° at 339', 70° at 352' 70° at 362',					
		70° at 408'.					
		Core Recovery - 95%					
422	429.6	QUARTZ SERICITE SCHIST:					
	130.9	Banding indistinct. 40 to 50% bleaching. Greyish white in colour.					
		Negligible sulphides. Core Recovery - 100%.					

DIAMOND DRILL RECORD

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PROPERTY _____

D.D.H. No. A-44-71 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Au.	Ag.	Pb.	Zn.	Cu.
429.6	453	QUARTZ SERICITE SCHIST:									
	138.1	Grey buff in colour. Minor chloritic material throughout section.									
		433' banding badly contorted. 441' to end of section 10% bleaching. Minor									
		pyrite-pyrrhotite mineralization.									
		C.A. 75° at 433', 80° at 448'.									
		Core Recovery - 100%									
		This section core medium-soft, 25% quartz.									
				138.1							
453	485	MASSIVE SULPHIDES:	561	453	458	5'	1.5	.20	.42	.90	--
	147.8	65% pyrite dominating in upper section. 5% lead zinc combined in last	562	458	463	5'		.40	.55	.52	--
		15' of section. ~3 to ~5% Cu.	563	463	468	5'		.40	.35	.24	--
		Core Recovery - 100%	564	468	473	5'		.80	1.75	1.44	--
			565	473	478	5'	1.5	.48	1.85	3.84	--
			566	478	485	7'	2.1	1.12	3.70	3.90	.16
485	512	QUARTZ SERICITE SCHIST:									
	156	Badly decomposed. Light grey in colour. Bedding indistinct. Quartz									

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-44-71 PAGE 5

CLAIM No. _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		veining occurring at 488' 6" wide, 493' .3" wide, 501.6 to 504' and 507' 6"					
		wide. Minor pyrite associated. Fissile in sections. Core Recovery - 85%.					
512	525	QUARTZ GRAPHITE SERICITE SCHIST:					
	160	Dark in colour. Banding distinct. Minor sulphides associated .3 to					
		.5%. Numerous tiny dragfolds throughout section along core axis. 60% graphite.					
		Rock very hard. 40% quartz.					
		C.A. 70° at 512', 75° at 518', 80° at 522'.					
		Core Recovery - 100%.					
525	535	QUARTZ SERICITE SCHIST:					
	163.1	Grey buff in colour. Hard. 45% quartz. Banding indistinct. Minor					
		sulphides associated. Pyrite mainly.					
		Core Recovery - 100%.					
535	694	QUARTZ SERICITE SCHIST:					
	211.5	Light grey in colour. Banding distinct. Minor sulphides throughout					

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-44-71 PAGE 6

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		section. 10% chloritized. No bleaching. Medium hard. 35 to 45% quartz.					
		Fissile in sections. Numerous quartz veinlets .2 to .6 inches wide. 659 to					
		660.9' 10% pyrite associated with quartz veinlets.					
		C.A. 65° at 548', 70° at 554', 75° at 572', 70° at 581', 65° at 635', 70° at					
		658', 70° at 675'.					
		Core Recovery - 95%.					
694	699	QUARTZ GRAPHITE SERICITE SCHIST:					
	213.1	Black in colour. Banding indistinct. 70% graphite. Minor pyrite					
		associated.					
		Core Recovery - 1 foot.					
	699	END OF HOLE.					

DIAMOND DRILL RECORD

LOGGED BY T aRose

PROPERTY SWIM LAKES 'A' GROUP

D.D.H. No. A-42-71 PAGE 1

LATITUDE 14,900.0 N 4,541.52 BEARING OF HOLE S30°W STARTED August 1, 1971

DEPARTURE 60,020.0 E 18,294.09 DIP OF HOLE -60° COMPLETED August 7, 1971

ELEVATION _____ DIP TESTS 200'-69°, 400'-75°, 600'-78°. DEPTH 651.0 198.42

CLAIM No. 25

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
0	21.6	OVERBURDEN:					
	6.6						
21.6	76.0	QUARTZ SERICITE SCHIST:					
	23.2	Greyish colour, highly fissile in sections, minor pyrite-pyrrhotite					
		mineralization. Moderate oxidation to 27.6', mud seam 40.9' to 46.8' and 57.0'					
		to 70.0'. 56.6' to 70.6' core badly decomposed and crumbly. Quartz veinlets					
		occurring at 22', 27', 27.6', 51.10', 52.10' to 53.10', 56.0', 61.6', from .2"					
		to .6" wide. Core Recovery - 50%.					
76.0	93.9	QUARTZ SERICITE SCHIST:					
	28.6	Medium hard, strong bleaching, 89 to 90' vuggy. 89.6' to 90' oxidized					
		to rusty colour (50%), fissile in sections. 30% quartz. Core Recovery 48%.					
93.9	108.0	QUARTZ SERICITE SCHIST:					
	32.9	Grey buff colour, fissile in sections, medium hard, banding distinct,					
		minor oxidation. Dragfolds occurring at 95' and 99'. 10% to 15% pyrrhotite					
		mineralization occurring in narrow bands from .5" to .6" wide, highly magnetic.					

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-42-71 PAGE 2

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		C.A. 80° at 98', 70° at 107',					
		Core Recovery - 98%.					
108.0	142.0	QUARTZ SERICITE SCHIST:					
	43.3	Greenish grey, medium soft, banding distinct, minor oxidation.					
		129.6' - 130.0' 15% chlorite. Quartz veinlets occurring at 114.9', 133.4'					
		and 134.6'. Dragfolding occurring from 141.0' to 142.0'. Pyrite-pyrrhotite					
		mineralization in tiny bands, pyrrhotite highly magnetic.					
		C.A. 60° at 122', 60° at 137'.					
		Core Recovery - 95%.					
142.0	197.0	QUARTZ SERICITE SCHIST:					
	60.0	Greyish buff colour, banding distinct, core increases magnetically,					
		increase in bands of pyrrhotite magnetite from above section, pyrrhotite highly					
		magnetic, few specks chalcopyrite, 3-5% mineralization to 167.0', 20% quartz.					
		C.A. 60° at 151.0'. Dragfolding at 158.0'. Mineralization increasing to 10%					
		from 167.0' to 184.0'; increase in chalcopyrite. Pyrrhotite dominating. Slightly					

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		chloritic. Quartz vein 1' wide from 195.9' to 196.9' - non-mineralized.					
		Core Recovery - 95%.					
197.0	211.0	QUARTZ SERICITE SCHIST:					
	64.3	Greenish-grey colour, slightly bleached, soft, 5% quartz. Banding					
		distinct, minor disseminated pyrite-pyrrhotite. C.A. 75° at 200.0'.					
		Core Recovery - 100%.					
211.0	305.6	QUARTZ SERICITE SCHIST:					
	93.1	Greenish-grey colour, fissile in sections, medium hard, 40% quartz.					
		Chloritic in part, numerous quartz veinlets to 273.0', .1 to .5 inches wide.					
		1% pyrite-pyrrhotite mineralization to 295.0' (scattered).					
		C.A. 70° at 220.0', 60° at 250.0', 70° at 276.0', 70° at 304.0'.					
		Core Recovery - 85%. From 295' to 305.6' increase in pyrite-pyrrhotite					
		mineralization, also .2% zinc, few specks of lead.					

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-42-71 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Au	Ag	Pb	Zn	Cu
305.6	327.0	SULPHIDE SECTION:	553 (9)	305 (93.1)	310	5'	1.5	.64	1.50	1.98	.18
	99.7	Hard and compact, 65% quartz, 30% sulphides in the form of pyrite-	554 (10)	310	315	5'	1.5	.20	.04	.02	.29
		pyrrhotite, pyrrhotite dominant and highly magnetic, few specks of chalcopyrite.	555 (11)	315	320	5'	1.5	.08	.03	.04	.19
		Minor quantities of magnetite. Core Recovery - 100%.	556 (12)	320	327	7'	2.1	.20	.13	.14	.22
327.0	331.6	QUARTZ CHLORITE SERICITE SCHIST:									
	101.1	Hard and compact, 60% quartz, 20% chlorite, minor pyrite-pyrrhotite									
		mineralization. Core Recovery - 100%. No core angle possible to determine									
331.6	431.0	QUARTZ SERICITE SCHIST:									
	131.4	Greenish-grey colour, medium hard, 40% quartz, fissile in sections,									
		numerous quartz veins from 359.0' to 422', .2 to .5 inches wide. Minor									
		pyrrhotite mineralization occurring in blobs and broken bands. Core Recovery 85%.									
		C.A. 70° at 355.0', 75° at 393.0'.									
431.0	448.0	QUARTZ SERICITE SCHIST:									
	136.6	Greyish colour, medium soft, 20% quartz. Numerous dragfolds throughout									

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-42-71 PAGE 5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Au	Ag	Pb	Zn	Cu
		section, 3% pyrite mineralization occurring in narrow bands and blobs. Core									
		recovery - 100%. C.A. 70° at 440'. Core slightly magnetic.									
448.0	492.0	QUARTZ SERICITE SCHIST:									
	150.0	Buff grey, medium hard, banding distinct, minor oxidation, lightly									
		bleached in part. 30% quartz, 15% chlorite in sections. Quartz vein at 479.8',									
		4 inches wide. 1-3% pyrite-pyrrhotite mineralization occurring in tiny scattered									
		bands, pyrrhotite highly magnetic. Few blobs of magnetite, few specks of									
		chalcopyrite. Core recovery - 100%. C.A. 65° at 461.0', 70° at 488.0'.									
				150.0							
492.0	530.0	MASSIVE SULPHIDES:	545 (1)	492'	497'	5'	1.5	.32	.26	1.24	.43
	161.5	65% massive pyrite-pyrrhotite, pyrrhotite dominates. 10% quartz, 5-7% lead-zinc	546 (2)	497'	503'	6'	1.8	.32	.57	1.24	.38
		disseminated and in bands, banding indistinct in massive sulphide section, .2 Cu.	547 (3)	503'	508'	5'	1.5	1.08	3.20	3.72	.27
		Section highly magnetic. Core Recovery - 100%.	548 (4)	508'	513'	5'	1.5	1.64	4.30	3.82	.30
			549 (5)	513'	518'	5'	1.5	1.40	3.40	3.60	.49
			550 (6)	518'	523'	5'	1.5	1.24	3.50	3.82	.23
			551 (7)	523'	530'	7'	2.1	1.56	4.80	4.95	.32

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-42-71 PAGE 6

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Au	Ag	Pb	Zn	Cu
530.0	562.0	QUARTZ SERICITE GRAPHITE SCHIST:	552 (8)	530'	534'	4'	1.2	.65	1.50	1.98	.18
	171.3	Graphite occurring in tiny bands - 10% graphite, hard, 50% quartz,									
		banding distinct, greyish black colour. From 530' to 533', 5% pyrite-pyrrhotite									
		mineralization occurring as disseminated and in bands, fissile in part. Drag-									
		folding occurring from 533.7 to 535', negligible mineralization in last section.									
		Core Recovery - 95%. C.A. 70° at 538.0', from 538' to 544' 1' core recovered.									
562.0	584.7	QUARTZ SERICITE SCHIST:									
	178.2	Greyish-white colour, medium soft, banding indistinct, 20% quartz,									
		80% sericite, lightly bleached, no sulphides, Core Recovery - 100%.									
584.7	651.0	QUARTZ SERICITE SCHIST:									
	198.4	Colour grey, medium soft, fissile, no sulphides, quartz veinlets									
		occurring at 632' 6 inches wide and 650' to 651'. 15% quartz.									
		C.A. 70° at 597.0', 80° at 616.0', 75° at 643.0', Core Recovery - 95%.									
	651.0	END OF HOLE.									

562.
89 0

DIAMOND DRILL RECORD

LOGGED BY FRED CHOW

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-32 PAGE 1

LATITUDE _____ BEARING OF HOLE S 30 W STARTED September 11/66

DEPARTURE _____ DIP OF HOLE -60° COMPLETED September 18/66

ELEVATION _____ DIP TESTS @ 200 ft. True Dip = 66° @ 400 ft. True Dip = 66° DEPTH 466 ft.

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

HOLE SIZE: NX to 17 ft., BX to 95 ft., BXWL to 466 ft.

142.04

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Pb %	Zn %	Cu %
0	7.31 24.0	OVERBURDEN:										
24.0	37.79 124.0	QUARTZ-GRAPHITE SCHIST:										
		Black, highly friable, 5% oxidation, no sulphide mineralisation, no appreciable rock movement. Core broken.	30.0		24.0	124.0						
		C.A. 50° @ 25 - 86 ft., 30° @ 73 ft., 55° @ 100 ft., 65° @ 103 ft., 60° @ 118 ft.										
124.0	77.72 255.0	QUARTZ-SERICITE-GRAPHITE SCHIST:										
		Gray-black, distinct, banding to 186 ft., moderately fissile. No	0.6		124.0	128.0						
		alteration. 45% quartz, 25% sericite, 30% graphite.	116.0		128.0	255.0						
		C.A. 65° @ 139 ft., 45° @ 144 ft., 50° @ 155 - 170 ft., 65° @ 172 - 180', 50° @ 182 ft., 55° @ 198 - 240 ft., 45° @ 242 - 247 ft., 60° @ 248', 40° @ 255 ft.										
255.0	81.38 267.0	QUARTZ-CHLORITE-GRAPHITE SCHIST:										
		Quartz veinlets with minor carbonates @ 267 - 271 ft., slip @ 272 ft.,	11.0		255.0	267.0						
		parallel to core. Black, slightly fissile, no alteration, no quartz banding. 20% quartz,, 8% chlorite occuring in bands and lenses.										
		C.A. 55° @ 257 ft., 35° @ 266 ft.										
267.0	142.04 466.0	QUARTZ-SERICITE-GRAPHITE SCHIST:										
		Gray-black color.										
		267 - 277 ft: Minor shearing parallel to and at small angle to core, producing a few tiny slips & fractures which are quartz-carbonate filled. 40% quartz, 25% sericite, 35% graphite.	36.5 140.		267.0 316.0	316.0 466.0						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-32 PAGE 2

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		86
		281 - 282 ft: Quartz-chlorite-sericite schist.
		308 - 313 ft: Shear showing cemented angular quartz with carbonate breccia in graphitic ground mass.
		93.9 95.4
		335 - 356 ft: Minor rock movement showing drag-fold @ 339 ft., moderate fracturing both parallel and across bedding, fractures filled
		108.5 with quartz, carbonates, and pyrite, also more sericitic than graphitic.
		116
		360 - 381 ft: Siliceous, hard, more graphite, less sericite (5% of rock).
		382 - 386 ft: Shear showing crumpled schist & granulation.
		426 - 466 ft: Siliceous, less graphite.
		142
		C.A. 40° @ 274 - 308 ft., 60° average @ 316 - 341 ft., 85° @ 342 ft.,
		60° average @ 344 - 385 ft., 70° @ 386 ft., 85° @ 391 ft., 75° @ 394',
		60° average @ 403 - 466 ft.
	466.0	END OF HOLE.

Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Pb %	Zn %	Cu %

DIAMOND DRILL RECORD

LOGGED FRED CHOW

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-28 PAGE 1

LATITUDE 4,382.91 14,379.64 N BEARING OF HOLE S31° 18' W STARTED August 14, 1966

DEPARTURE 18,232.19 59,816.89 E DIP OF HOLE -59° COMPLETED September 7/66

ELEVATION Collar 3,577.60 1090.45 DIP TESTS @ 200 ft. True angle =69° DEPTH 563 ft. 171.60

NX to 15 ft., BX to 194 ft., BXWL to 226 ft., AX to 241 ft., AXWL to 563 ft.

N

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION		SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
0	5.2 17.0	OVERBURDEN:						
		Pebbles of granitic and graphitic schist	0.6		0.0	17.0		
17.0	8.53 28.0	Pebbles of granitic and graphitic schist	Not Shown		17.0	28.0		
28.0	17.37 57.0	QUARTZ-GRAPHITE SCHIST:						
		Black, 5% rusty oxidization along bedding, local drag-folds.	2.6		28.0	39.0		
		30 - 40% quartz, no sulphides. C.A. 40° @ 20 ft., 20° @ 39 ft., 35° @ 43 ft., 32° @ 52 ft.	14.6		39.0	57.0		
57.0	37.18 122.0	QUARTZ-SERICITE-GRAPHITE SCHIST:						
		Medium grey to grey color, moderate drag-folds. 30% quartz, 5 - 10% sericite, no sulphides. C.A. 55° @ 70 ft., 50° @ 82 ft., 40° @ 102 ft., 50° @ 110 ft., 55° @ 129 - 136 ft.	18.0 34.0		57.0 83.5	83.5 122.0		
122.0	45.72 150.0	QUARTZ-GRAPHITE-SERICITE SCHIST:						
		Medium grey color, 3% oxidation along seams. 25% quartz, 10 - 20% graphite, no sulphides. 0.2 ft. of gouge @ 139 ft. C.A. Average 60°	22.7		122.0	150.0		

DIAMOND DRILL RECORD

LOGGED

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH

D.D.H. No. A-28 PAGE 2

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Pb	Zn	Cu
150.0	52.73 173.0	Quartz-Graphite-Sericite Schist:										
		Black graphitic sections interspersed with shorter, greyer, more sericitic	13.0		150.0	173.0						
		core. Abundant vein quartz, occurring as 0.2 ft. - 0.3 ft. veinlets. No mineralization except for minor Pb-Zn in quartz veinlets. Numerous tight drag-folds with axes paralleling schistosity.										
		C.A. Average 150 - 159 ft.,= 40°, 159 - 173 ft. = 60° SLUDGE		540	50.29 165.0	173.0	8.0	2.4	.88	1.3	1.2	
173.0	53.03 174.0	MASSIVE PYRITE:										
		75% pyrite, 4 - 5% fine Pb-Zn.	0.3	590	173.0	174.0	1.0	0.3	1.32	3.9	4.8	
174.0	54.41 178.5	BLEACHED, KAOLINIZED-SERICITE SCHIST:										
		Core largely a crumbly mass of quartz and kaolin.	2.0		174.0	178.5						
178.5	55.17 181.0	MASSIVE PYRITE WITH QUARTZ VEINLETS:										
		75% pyrite, 20% quartz veinlets, 8% Pb-Zn.	1.0	591	54.41 178.5	181.0	1.5	0.4	1.08	2.4	2.7	
		SLUDGE		541	173.0	180.0	7.0	2.1	.60	.7	.1	
			COMPOSITE ON SAMPLES 546-549 inc, 580-582 inc, 599-601 inc FOR GOLD + COPPER:					1.005				.15

DIAMOND DRILL RECORD

LOGGED

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Pb	ASSAY Zn	ASSAY Cu
	59.43											
181.0	195.0	QUARTZ-SERICITE-SCHIST:										
					55.17							
		20% quartz, 70% sericite and kaolin, 2% pyrite, 2% magnetite. Cream	10.0	592	181.0	192.5	11.5	3.5	.06	.4	.1
		colored, soft. 1 - 2% Pb-Zn as thread-like bands // schistosity. 0.5 ft.	2.0	593	192.5	195.0	2.5	0.7	Tr.	.2	Tr.
		vein quartz at top of section.	SLUDGE	542	180.0	185.0	5.0	1.5	1.20	2.2	2.3
		Average C.A. 70°.	SLUDGE	543	185.0	190.0	5.0	1.5	.62	1.2	.7
			SLUDGE	544	190.0	195.0	5.0	1.5	.64	.7	1.0
	61.57											
195.0	202.0	QUARTZ-SERICITE SCHIST:										
		40% quartz, 15% pyrite, 2% Pn-Zn.	3.0	594	195.0	202.0	7.0	2.1	.36	1.3	.4	
		197.0 - 198.8 ft: Quartz-sericite-graphite schist with negligible sulphides. Possible shear @ 200 - 202 ft. -										
		quartzy and brecciated, last 0.1 ft. of core show higher Pb-Zn values.										
		2% leached, rusty bedding and fractures.	SLUDGE	545	195.0	200.0	5.0	1.5	.50	.3	.4	
			SLUDGE	546	200.0	205.0	5.0	1.5	1.32	2.6	2.4	
	68.88											
202.0	226.0	MASSIVE SULPHIDES:										
		Massive, fine-grained pyrite, no fractures or rust. 202 - 220 ft.,	0.4	595	202.0	220.0	18.0	5.5	1.28	2.1	2.6	
		negligible Pb-Zn; 220 - 226 ft., leached and vuggy bands parallel schistosity,	0.2	596	220.0	226.0	6.0	1.8	1.72	4.2	6.8	
		90% pyrite, 5% Pb-Zn. Core ground up in pieces.	SLUDGE	547	205.0	210.0	5.0	1.5	.44	.5	1.1	
		C.A. 65°.	SLUDGE	548	210.0	215.0	5.0	1.5	1.68	3.9	4.1	
			SLUDGE	549	215.0	217.0	2.0	0.6	2.84	6.8	8.9	
			SLUDGE	580	217.0	226.0	9.0	2.7	2.08	4.7	7.6	
	70.41											
226.0	231.0	QUARTZ-SERICITE SCHIST (?):										
		Similar to 195 - 202 ft. 2% Pb-Zn. *This section likely ground up. Core	0.1	597	226.0	231.0	5.0	1.5	.44	1.3	1.2	
		recovered possibly caved material from 195 - 202 ft.	SLUDGE	581	226.0	231.0	5.0	1.5	2.76	5.8	19.9	

DIAMOND DRILL RECORD

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PROPERTY

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Pb	ASSAY Zn	ASSAY Cu
231.0	78.42 257.3	MASSIVE SULPHIDES:										
		Average 70% pyrite, 15% quartz, 4% magnetite, banding visible. Quartzy	3.2	598	70.41 231.0	236.0	5.0	1.5	1.84	3.4	5.1	
		bands retained between between 231 - 242 ft., show plastic flow between	4.5	599	236.0	242.0	6.0	1.8	1.84	2.3	2.5	
		242 - 243.2 ft., and 252.5 - 256.2 ft. Average grade 6% Pb-Zn from 231 -	4.8	600	242.0	247.0	5.0	1.5	1.00	1.1	2.1	
		242 ft., 2 - 3% Pb-Zn from 242 - 257.3 ft.	4.8	601	247.0	252.0	5.0	1.5	1.68	1.7	2.7	
		C.A. 35° @ 231 ft., 55° @ 234 ft., 40° @ 241 ft., 50° @ 246 ft., 60°	4.7	602	252.0	257.3	5.3	1.6	.96	1.7	.1	
		@ 257 ft. SLUDGE		582	231.0	236.0	5.0	1.5	1.88	4.1	6.8	
257.3	84.27 276.5	QUARTZ-SERICITE SCHIST:										
		Bleached, moderately leached. 25% quartz, 1 - 2% pyrite occuring as	1.2	603	78.42 257.3	260.0	2.7	0.8	.30	Tr.	.4	
		irregular and widely separated narrow bands.	13.0		260.0	276.5						
		269 - 270 ft: 1% Pb-Zn										
		C.A. 45 - 50°.										
276.5	118.56 389.0	QUARTZ-SERICITE-GRAPHITE SCHIST:										
		Medium to dark gray. Moderate to intense movement // bedding with local	103.0		276.5	389.0						
		drag-folds, minor fractures. 321 - 389.4 ft., intensely drag-folded,										
		sparse pyrite, spots of Pb-Zn @ 345 ft. Negligible pyrite, 10% sericite,										
		40% quartz.										
		C.A. 45 - 55° @ 277 - 360 ft., 60 - 65° @ 360 - 389 ft. SLUDGE		583	91.44 300.0	305.0	5.0	1.5	.50	.7	1.5	
389.0	122.74 402.7	QUARTZ-GRAPHITE-SERICITE SCHIST:										
		Medium gray, minor movement and alteration. 20% quartz, 30% graphite.	13.5		389.0	402.7						
		C.A. 75°										

DIAMOND DRILL RECORD

LOGGED

PROPERTY

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Oz/T Silver	ASSAY Pb	ASSAY Zn	ASSAY Cu
402.7	123.53 405.3	MASSIVE SULPHIDES:										
		75% pyrite, 10% magnetite, 5% Pb-Zn. C.A. 70°.	2.6	550	122.74 402.7	405.3	2.6	0.8	1.04	1.1	2.1	
405.3	124.20 407.5	QUARTZ-SERICITE SCHIST:										
		Bleached, negligible pyrite.	2.2		405.3	407.5						
407.5	125.88 413.0	QUARTZ-GRAPHITE-SERICITE SCHIST:										
		Intense movement and fracturing. Negligible pyrite.	5.3		407.5	413.0						
413.0	133.50 438.0	QUARTZ-SERICITE SCHIST:										
		Bleached, highly altered, locally drag-folded, minor bleaching. No sulphides. C.A. 65° @ 413 ft., 70° @ 419 ft., 75° @ 431 ft.	25.0		413.0	438.0						
438.0	138.50 454.4	QUARTZ-SERICITE-GRAPHITE- SCHIST:										
		Medium gray, firm rock. No alteration. 30% quartz, 20% sericite, 10% fine-grained pyrite, disseminated in quartz, no Pb-Zn. C.A. 75 - 80°.	✓	Not shown	438.0	454.4						

DIAMOND DRILL RECORD

LOGGED

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Pb	ASSAY Zn	ASSAY Cu
454.4	140.69 461.6	QUARTZ-GRAPHITE AND QUARTZ-SERICITE SCHIST:										
		Contact zone showing moderate movement and quartz veinlets.	0.6		454.4	455.0						
		454.4 - 455.5 ft: Quartz with minor carbonate, graphite and sulphides.	6.3	551	455.0	461.6	6.6	2.0	.34	.4	1.2	
		455.5 - 456.1 ft: Quartz-graphite schist with 15% pyrite, 6% Pb-Zn.										
		456.1 - 457.6 ft: Quartz-sericite schist: 35% pyrite, 2% magnetite, 3% Pb-Zn.		1	138.68							
		457.6 - 461.6 ft: Quartz-sericite-graphite schist with 7% pyrite, 0.5% Pb-Zn.										
		Average C.A. 65°.										
461.6	151.03 495.5	QUARTZ-GRAPHITE SCHIST:		COMP ON #552				.01				.01
		Gray, firm rock, banded quartz and graphite. Sulphides mainly as	5.0	552	461.6	466.6	5.0	1.5	.82	2.1	6.0	
		dissemination in quartz, with massive bands @ 461.6 - 462 ft., and 463.5 -	5.7	553	466.6	472.3	5.7	1.7	.82	1.7	3.1	
		464.5 ft. Intensely drag-folded, movement // bedding, moderate fractures	7.2	554	472.3	479.5	7.2	2.2	.56	.7	2.0	
		crossing bedding @ 70°.	3.4	555	479.5	482.9	3.4	1.0	.50	.3	.1	
		461.6 - 472.3 ft: Average 20% pyrite, 6% Pb-Zn.	3.1	556	482.9	486.0	3.1	0.9	.58	1.9	2.6	
		472.3 - 479.5 ft: Average 20% pyrite, 2% Pb-Zn.	4.6	557	486.0	491.0	5.0	1.5	.22	.1	Tr.	
		479.5 - 482.9 ft: Silicified quartz-graphite-sericite schist with 10% buff-colored carbonates, minor Pb-Zn.	5.0		491.0	495.5						
		482.9 - 486.0 ft: 20% pyrite, 4% Pb-Zn, minor carbonates.										
		486.0 - 491.0 ft: 15% pyrite, 1% Pb-Zn, minor carbonates.										
		491.0 - 495.5 ft: 5% pyrite, 0.2% Pb-Zn, minor carbonates.										
		C.A. Average 70°.										
495.5	171.60 563.0	QUARTZ-SERCITE-GRAPHITE SCHIST:										
		Medium gray, moderately firm rock. Minor alteration, minor fracturing	24.0		495.5	521.0						
		with quartz-carbonate filling. Higher alteration in quartz-carbonate from	2.8		521.0	531.0						
		551 - 563 ft. No sulphides.	3.4		531.0	537.0						

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		C. A. 70°.
	563.0	END OF HOLE
		REMARKS:
		1) Lost water @ 240 ft, negligible water return from 240 - 563 ft.
		2) Encountered bad ground conditions @ 178.5 - 231 ft., practically no core recovery from 202 - 231 feet.
		3) Hole reduced from BXWL to AXWL @ 226 ft.
		4) 137 ft. of AX casing left in hole between footages 137 - 241 ft., (broke off @ collar + 107 ft. upon pulling casing).
		5) One AX casing shoe, #74 lost (on casing) at bottom of hole.

Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Pb	Zn	Cu
11.5		537.0	551.0						
0.7		551.0	558.0						
4.3		558.0	563.0						

DIAMOND DRILL RECORD

LOGGED FRED CHOW

PROPERTY SWIM LAKES "A" GROUP

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LATITUDE 4,501.15 14,767.56 N BEARING OF HOLE S 30° 51' W STARTED August 10/66

DEPARTURE 59,121.24 E 18,020.15 DIP OF HOLE -59° COMPLETED Aug 26/66

ELEVATION 3,536.24 1077.84 DIP TESTS @ 200 ft. True Angle = 65° 30' @ 400 ft. True Angle = 71° DEPTH 570.5 173.88

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Zinc %	Copper
0	7.62 25.0	OVERBURDEN:										
25.0	9.75 32.0	NO CORE	NONE		25.0	32.0						
32.0	28.19 92.5	QUARTZ-SERICITE-CHLORITE SCHIST:										
		Medium Green color, 5 - 15% oxidized, 5% leached to 84.5 ft., 5 - 10% quartz, 20% sericite, negligible pyrite, pyrrhotite and magnetite.	19.0		32.0	72.0						
		45 - 71 ft: 50% quartz veinlets, fractured, negligible pyrite and pyrrhotite.										
		76.5 - 85.5 ft: 60% quartz veins which are slightly fractured and in which a few are mineralized with galena, chalcopyrite, pyrite and sphalerite.	9.0		72.0	92.5						
		80 -82 ft. - LOST CORE. C.A. 65° @ 33 ft., 45° @ 59 ft., 37° @ 65 ft., 70° @ 74 ft., 55° @ 87 ft.										
92.5	34.44 113.0	QUARTZ-CHLORITE-SERICITE SCHIST:										
		Greyish-green color. Not oxidized, 5% leached, slightly bleached. Rock movement between 104 - 105 ft. @ 10° to core. 20% quartz, 20% chlorite, 2% pyrite - pyrrhotite in streaky bands. Undulating bedding. C.A. 65° @ 100 ft., 45° @ 106 ft. to 113 ft.	15.0		92.5	113.0						

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper
113.0	59.43 195.0	QUARTZ-SERICITE SCHIST:										
		Buff gray color. Slightly bleached. Sulphide content increases from 3% @ 113 ft. to 12% @ 131 ft. 131 - 150 ft. = 12%, 150 - 190 ft. = 6%, 190 - 195' = 3%. Sulphide bands vary from streaks to 0.03 ft. in width, irregularly spaced, drag-folded throughout. Sulphides mainly pyrrhotite (magnetic) with minor pyrite, odd speck chalcopyrite, no Pb-Zn.	80.0		113.0	195.0						
		Undulating bedding: C.A. 55° @ 119 ft., 45° @ 131 ft., 68° @ 141 ft., 45° @ 145 ft., 75° @ 147 ft., 60° @ 163 ft., 55° @ 189 ft., 60° @ 195 ft.										
195.0	64.58 211.9	QUARTZ-CHLORITE-SERICITE SCHIST:										
		Not bleached, less drag-folds, greenish-gray color, 25% quartz, 5 - 20% chlorite - occurs as blobs and in broken bands, 4% pyrrhotite - irregular bands, spaced widely apart, minor pyrite, negligible magnetite. Negligible chalcopyrite - in blebs, odd spot or streak of Pb-Zn.	16.5		195.0	211.9						
		C.A. 67° @ 210 ft.										
211.9	68.73 225.5	QUARTZ-SERICITE SCHIST:										
		Similar to above 195 - 211.9 ft., except no drag-folds and an increase in Pb-Zn mineralization. The latter occur in narrow scattered bands between the following footages: 211.9 - 212.1 ft., 213.5 - 213.6 ft., 215.5 - 215.6 ft., 218 ft., and 220.8 - 222.8 ft. (several bands). Each band contains 15% or higher Pb-Zn mineralization plus magnetite.	8.7	67.30	211.9	220.8						
			1.6	534	220.8	222.8	2.0	0.6	.50	1.6	2.4	
			2.2		222.8	225.5						
		C.A. 65° @ 215 ft., 70° @ 224 ft.										

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper
	72.76											
225.5	238.7	QUARTZ-SERICITE SCHIST:										
		Slightly to moderately bleached. 20% quartz, 4% pyrrhotite, minor pyrite, negligible Pb-Zn-Cu. C.A. 75° @ 233 ft.	11.4		225.5	238.7						
	78.33											
238.7	257.0	QUARTZ-SERICITE SCHIST:										
		Similar to above. 238.7 - 243 ft. pyrrhotite 6%, 243 - 257 ft. - pyrrhotite average 40% with pyrite, 0.05% Cu blebs. C.A. 65° @ 245 ft., 70° @ 250 ft.	18.0		238.7	257.0						
	100.83											
257.0	330.8	QUARTZ-CHLORITE-SERICITE SCHIST:										
		Alternate sections of quartz-chlorite-sericite and quartz-sericite schist. Greenish gray and light gray color. Chlorite sections contain 1 - 10% chlorite. Non-chlorite sections show unusually high quartz - up to 60%, and generally show lensing of quartz. Negligible pyrite and pyrrhotite. 319 - 330.8 ft. Slightly bleached. C.A. 75° @ 263 ft., 70° @ 289 ft., 70° @ 323 ft.	70.0		257.0	330.8						
	102.11											
330.8	335.0	QUARTZ-SERICITE SCHIST:										
		Totally bleached to buff color. Intense rock movement at 331 ft., slips between 332.2 - 333 ft. @ 30° and 45° to core - mineralized with 50% pyrrhotite.	5.2	Not	330.8	335.0						

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Zinc %	Copper %
335.0	108.05 354.5	QUARTZ-SERICITE SCHIST: Grayish color, slight alteration, minor local drag-folds. Widely spaced sulphide bands of irregular width. 5% pyrrhotite, 1% pyrite, negligible Pb-Zn mineralization, specks shown @ 336.8 - 337.7 ft., 342.0 - 342.5 ft., and 345 ft., odd veinlet of chalcopyrite, minor magnetite. Slight leaching along some bands from 352 - 354.5 ft. C.A. 70° @ 343 - 354 ft.	19.3		335.0	354.5						
354.5	112.32 368.5	QUARTZ-CHLORITE-SERICITE SCHIST: Greenish-gray color, slightly bleached, 3% leaching along some bands. Minor slips and fractures, no folds. 10% pyrrhotite and 2% pyrite - occur in streaks and bands up to 0.05 ft. wide, 3% magnetite in blobs, negligible chalcopyrite - occur in fractures, no Pb-Zn.	14.0		354.5	368.5						
368.5	117.65 386.0	QUARTZ-SERICITE-SCHIST: Moderately bleached - buff color, 1% leached along some bands, minor local drag folds. 2% pyrrhotite, 2% pyrite, minor magnetite. No Pb-Zn-Cu. C.A. 80° @ 385 ft.	17.5		368.5	386.0						
386.0	122.68 402.5	QUARTZ-CHLORITE-SERICITE SCHIST: Similar to above 335 - 354.5 ft., with 5-10% chlorite, except slight increase in pyrite and chalcopyrite. Slight leaching along bedding. C.A. 78° @ 387 ft., 70° @ 400 ft.	16.5		386.0	402.5						

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper %
	128.62											
402.5	422.0	QUARTZ-CHLORITE-SERICITE SCHIST:										
		Grey-buff color, moderate bleaching, 2% leaching along some bands, much drag-folding and movement parallel to bedding. A few small slips, moderate fracturing - filled with pyrrhotite, pyrite and chalcopyrite. Sulphide bands highly irregular in width and spacing, varying from streaks to 0.3 ft. Average 8% pyrrhotite, 7% pyrite, and minor chalcopyrite, 1 - 10% chlorite in bands and lenses. C.A. Average 72°.	18.5		402.5	422.0						
	130.15											
422.0	427.0	QUARTZ-SERICITE SCHIST:										
		Totally bleached to buff color, 15% leached, moderate fracturing. 2% pyrite - pyrrhotite, 0.05% Cu, in blebs and filling fractures. Last 1.5 ft. of section exhibits close drag folding offset by numerous tiny faults veined with carbonate.	4.7		422.0	427.0						
	130.45											
427.0	428.0	BRECCIA ZONE:										
		Angular fragments of sericite schist in buff colored carbonate matrix. 3% pyrite - pyrrhotite plus minor chalcopyrite in fragments.	1.0		427.0	428.0						
	131.82											
428.0	432.5	QUARTZ-SERICITE SCHIST:										
		20% pyrite - pyrrhotite - in irregular bands generally following schistosity but also fracture controlled. 5% magnetite occuring with the pyrite. 0.2% Cu in fractures.	4.5		428.0	432.5						
		C.A. Average 70° - 75°										

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper %
432.5	139.29 457.0	QUARTZ-SERICITE SCHIST: 10% pyrite - pyrrhotite mostly as veinlets, disseminations and clots. 3% magnetite. C.A. Average 70° - 75°	24.5		432.5	457.0						
457.0	142.3 467.0	QUARTZ-SERICITE SCHIST: 50% pyrite - pyrrhotite occuring largely in drag-folds, 5% magnetite, Minor Pb-Zn, 0.2% Cu. C.A. Average 55° - 65°	10.0		457.0	467.0						
467.0	143.86 472.0	QUARTZ-CHLORITE-SERICITE SCHIST: 15% quartz, 15% chlorite, 65% sericite, minor pyrite and pyrrhotite. 0.1' of massive pyrite @ 471.8 containing 0.2% Cu and 1 - 2% Pb-Zn.	5.0		467.0	472.0						
472.0	145.08 476.0	QUARTZ-GRAPHITE-SERICITE SCHIST: Unit has been granulated and the carbonaceous material has entered the fractures through plastic flow, giving the rock a mottled ? appearance.	4.0		472.0	476.0						

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-26 PAGE 7

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Zinc %	Copper %
	157.30											
476.0	516.0	QUARTZ-CHLORITE-SERICITE SCHIST:										
		Soft, pale gray, locally fissile, becoming more bleached and kaolinized from 505 - 516 ft. Minor pyrite - pyrrhotite, C.A. Average 75°	40.0		476.0	516.0						
	157.82											
516.0	517.8	MASSIVE PYRITE:										
		5% magnetite, no Pb-Zn, 0.05% Cu.	1.8		516.0	517.8						
	158.80											
517.8	521.0	QUARTZ-CHLORITE-SERICITE SCHIST:										
		As from 476.0 - 516.0	3.2		517.8	521.0						
	167.48											
521.0	549.5	QUARTZ-SERICITE-GRAPHITE SCHIST:										
		20% quartz, 60% graphite, 15% sericite, minor pyrite. 527 - 527.2' - massive pyrite, 15% Pb-Zn. Chevron fold @ 521.3 with axial plane @ 70° to core. Vein quartz from 537.5 - 541.0 ft., except for 0.3 ft. of pyritized graphitic schist @ 538.5 ft. C.A. Average 70°	20.3		521.0	549.5						
	172.21											
549.5	565.0	SILICIFIED QUARTZ-SERICITE SCHIST:										
		85% quartz, 5% sericite, 5% pyrite, 0.1% Cu. Only 1 ft. of core	1.0		549.5	565.0						

DIAMOND DRILL RECORD

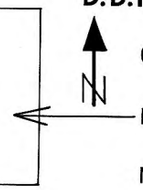
LOGGED _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____



D.D.H. No. A-26 PAGE 8

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper %
		recovered as angular to sub-rounded pebbles. No evidence of faulting or Pb-Zn mineralization.										
565.0	570.5 (173.88)	QUARTZ-SERICITE-GRAPHITE SCHIST:										
		As from 521 - 549.5 ft. No mineralization.	3.0		565.0	570.5						
		C.A. Average 60°										
570.5		END OF HOLE.										

DIAMOND DRILL RECORD

LOGGED BY FRED CHOW

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-21 PAGE 1

LATITUDE 14,922.62 4,548.41 BEARING OF HOLE S 28° 04 W STARTED July 16, 1966

DEPARTURE 59,671.23 18,187.79 DIP OF HOLE -58° 30' COMPLETED July 26/66

ELEVATION 3469.28 1057.43 DIP TESTS @ 200 ft: 61° @ 400 ft: 67° 30' DEPTH 494 ft. 150.57

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper
	8.84											
0	29	OVERBURDEN:										
	41.15											
29	135.0	QUARTZ-SERICITE SCHIST:										
		LOST CORE FROM			29.0,	44.0						
		Bleached to buff colour, slightly leached, rock firm. 2 - 10%	20.0		44.0	90.0						
		pyrrhotite with some pyrite - occurs in bands and streaks, drag-	35.0		90.0	135.0						
		folded locally; minor magnetite, speck of chalco.										
		Rock similar to the upper bleached section of D.D.Hole A-9 & A-13										
		C.A. 67° @ 45 ft. and 90 ft., 70° @ 102 ft.										
	50.60											
135.0	166.0	QUARTZ-SERICITE SCHIST:										
		Similar to 29 - 135 ft. except sulphide content - 2 - 5% pyrite	30.0		135.0	166.0						
		with some pyrrhotite.										
		C.A. 55° @ 139 ft., 45° @ 162 ft.										
	60.04											
166.0	197.0	QUARTZ-SERICITE SCHIST:										
		Similar to 29 - 135 ft. 10% leached @ 191 - 192 ft.	27.0		166.0	197.0						
		C.A. 60° @ 167 to 188 ft.										
	65.53											
197.0	215.0	QUARTZ-SERICITE SCHIST:										
		Totally bleached, tdcy, partly kaolinised. 25% leached between	7.5		197.0	215.0						
		198 - 200 ft. (-probable shear @ 20°). Negligible sulphides.										
		212 - 214.5 ft: Brecciated, rounded sulphide fragments.										

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-21 PAGE 2

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Zinc %	Copper
	70.56											
215.0	231.5	QUARTZ-SERICITE SCHIST:										
		Bleached, 15 - 20% pyrite and pyrrhotite in irregular bands, slightly kaolinized.	12.0		215.0	231.5						
		C.A. 45° @ 221 ft.										
	77.27											
231.5	253.5	QUARTZ-SERICITE SCHIST:										
		Totally bleached, moderately talcy and kaolinized, no sulphides.	13.0		231.5	253.5						
		C.A. 50° @ 245 ft.										
	84.73											
253.5	278.0	QUARTZ-SERICITE SCHIST:										
		Similar to 215 - 231 ft.	22.0		253.5	278.0						
		262.5 - 263.4: 50% pyrrhotite/pyrite, 0.1% Cu, no Pb-Zn										
		270 - 278 ft.: chloritized, 10% pyrrhotite and pyrite, drag-folded.										
		C.A. 60° @ 256 ft.										
	92.69											
278.0	304.1	QUARTZ-SERICITE SCHIST:										
		Bleached, drag-folded. 10% pyrrhotite - pyrite.	24.0		278.0	304.1						
		297 - 304 ft: highly fractured.										
		300 - 304 ft: brecciated, 0.01 and smaller rounded fragments.										
		C.A. 60° @ 289 ft.										

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-21 PAGE 3

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Zinc %	Copper
	98.99											
304.1	324.8	**MASSIVE SULPHIDES:**										
		95% pyrite - fine-grained, massive, minor Pb-Zn (0.1%) between 304 - 322.3', 1 - 2% Pb-Zn between 322.3 - 324.8'. Negligible chalco, 1 - 2% magnetite occuring in streaks.	3.2		304.0	308.0						
			6.5	96.71	308.0	314.5						
			2.8		314.5	317.3						
			4.0	426	317.3	322.3	5.0	1.5	.72	Tr.	1.2	
		C.A. 40° @ 309 ft., 30° @ 315 ft., 55° @ 322 ft.	2.5	427	322.3	324.8	2.5	0.7	.52	Tr.	1.1	
	103.33											
324.8	339.0	**QUARTZ-SERICITE SCHIST:**										
		Bleached buff-color, 5% quartz, soft, odd band or bleb of Pb-Zn, negligible sulphide (except 50% pyrite between 324.8 - 325 ft. near contact)	14.0		324.8	339.0						
		C.A. 55° @ 333 ft.										
	105.76											
339.0	347.0	**QUARTZ-SERICITE SCHIST:**										
		From 340.5 - 347.0 unbleached, greyish color, 40% quartz, 5% pyrite - occurs in blotches and widely separated bands, 0.2% Cu - occurs as chalco veinlets, fracture fillings & blebs, odd bleb of Pb-Zn. Highly fractured. C.A. 55° @ 346 ft.	8.0		339.0	347.0						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-21 PAGE 4

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc%	Copper
347.0	372.0 (113.38)	QUARTZ-SERICITE SCHIST:										
		40 - 60% bleached otherwise similar to 336 - 347 ft. Highly fractured, contorted in sections. 40% quartz, 2 - 3% pyrrhotite and pyrite, mainly mineralized after fracturing occured; chalcopyrite mineralization continues though slightly lower grade - 0.1% Cu to 353 ft. and less than 0.1% Cu from 353 - 369 ft.	25.0		347.0	372.0						
		Shear @ 372 ft. C.A. 50° @ 357 ft., 55° @ 367 ft.										
372.0	398.7 (121.52)	QUARTZ-SERICITE SCHIST:										
		90% bleached, slightly talcy, minor fractures, negligible movement. A few widely separated bands of Pb-Zn (376 - 389 ft.), negligible chalcopyrite, 20% quartz. C.A. 55° @ 375 ft., 60° @ 395 ft.	27.7		372.0	398.7						
398.7	405.0 (123.44)	QUARTZ-SERICITE SCHIST:										
		50% pyrite replacement, occurs as massive and banded mineralization,	2.5	449	398.7 (121.52)	401.3	2.6	0.79	.52	.2	.6	
		3% magnetite - in blotches, 5% sericite remaining, spot of chalcopyrite, 0.3 - 3.0% Pb-Zn (Av. 1.5%) C.A. 60° @ 401 ft.	3.7	450	401.3	405.0	3.7	1.1	.64	.4	1.7	
405.0	409.2 (124.72)	MASSIVE SULPHIDES:										
		95% pyrite, fine-grained, massive, no magnetite, no Pb-Zn	4.0	451	405.0	409.2	4.2	1.3	.08	Tr.	Tr.	

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-21 PAGE 5

CLAIM No. _____

NN

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper
	125.58											
409.2	412.0	QUARTZ-SERICITE SCHIST:										
		60% pyrite replacement, 5% sericite, 3% Pb-Zn-occurs in irregular bands.	2.7	452	409.2	412.0	2.8	0.8	.52	Tr.	1.0	
	127.19											
412.0	417.3	QUARTZ-GRAPHITE SCHIST:										
		Thinly banded graphite and quartz-sulphides, 25 - 30% graphite, 15 - 20% pyrite. Siliceous and hard. 4 - 5% Pb-Zn. C.A. 65°	5.2	453	412.0	417.3	5.3	1.6	.72	2.2	3.6	
	130.03											
417.3	426.6	QUARTZ-SERICITE SCHIST:										
		Average 40% pyrite replacement, 3% magnetite, 3% sericite and 2 - 9% Pb-Zn (Av. 4 - 5%) all occuring in bands. C.A. 70° @ 423 ft.	4.6	454	417.3	421.9	4.6	1.4	1.28	1.9	3.1	
			4.6	455	421.9	426.6	4.7	1.4	1.52	3.3	3.9	
	131.82											
426.6	432.5	QUARTZ-SERICITE SCHIST:										
		Less than 5% quartz, minor pyrite and magnetite, mainly sericite schist, 2 - 3% Pb-Zn - in streaks between 426.6 - 432.5 ft.	3.5	456	426.6	430.2	3.6	1.1	.66	1.4	1.9	
			2.0		430.2	432.5						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

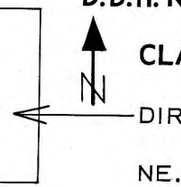
LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-21 PAGE 6

CLAIM No. _____



DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Zinc %	Copper
432.5	453.0 (138.07)	QUARTZ-GRAPHITE SCHIST:										
		Mainly banded quartz and graphite with 2 - 3% pyrite and spot of chalcopyrite. Highly fissile at mid-section where quartz content is low. Local drag-folds, otherwise negligible rock movement.	19.0		432.5	453.0						
		437 - 438 ft: -sericite schist										
		C.A. 80° @ 437 ft., 85° @ 444 ft., 70° @ 451 ft.										
453.0	494.0 (150.57)	QUARTZ-SERICITE-GRAPHITE SCHIST:	26.0		453.0	481.5						
			2.0		481.5	488.0						
		Unaltered, no rock movement. 10 - 15% quartz, no sulphides. Medium soft and moderately fissile.	2.0		488.0	494.0						
		C.A. 80 - 85° @ 461 ft., 70° @ 470 ft., 85° @ 493 ft.										
	494.0	END OF HOLE.										
		Remarks: Casing lost in hole:										
		AX : 192 ft. left in hole, cut @ 180, 170, 160, 150, 140, 130, 120, 110, 100 and broke off @ collar + 20 ft., plus 1 shoe lost in hole.										
		NX : 18 ft. left in hole, broken off @ collar + 22 ft., plus 1 NX shoe lost in hole @ 400 ft., high pressure water encountered (shooting to 25 ft. above collar.)										

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

KERR ADDISON MINES LTD. RECEIVED AUG 26 1966

To Lynda Krupp **From** P. M. Kavanagh

Subject Collar Elevation of Hole A-21, Swim Lakes "A" Group, Yukon. **Date** August 24th, 1966.

I have noticed your little hand-written note on page one of the log of A-21 to the effect that you were checking with Fred concerning the elevation he had given of 3,530.36 feet. After checking the collar elevations of some of the holes around and about hole A-21 I think that that elevation figure is probably incorrectly too high and I wonder if you have possibly received any corrected elevation figure from him.

Paul M. Kavanagh

Paul M. Kavanagh
Chief Geologist - Exploration.

PMK:sw

cc: Fred Chow

List of corrections forwarded to PMK - Aug 26/66

DIAMOND DRILL RECORD

LOGGED BY FRED CHOW

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-19 PAGE 1

LATITUDE 14,670.66 BEARING OF HOLE S 29° 30' W STARTED July 10, 1966

DEPARTURE 59,293.36 DIP OF HOLE -60° COMPLETED July 20, 1966

ELEVATION 3,560.28 DIP TESTS @ 200 ft. = 63° DEPTH 498 ft.

@ 400 ft. = 67° 30'

1085.17 151.79

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead	Zinc	Copper
	10.06											
0	33	OVERBURDEN:										
	21.64											
33	71	QUARTZ-GRAPHITE SCHIST:										
			3.5		33	38						
		Medium black, 60% quartz, negligible sulphides, no magnetite. Rock	0.2		38	42						
		undergone intense movement - small drag folds and offsets. Minor	0.2		42	43						
		rust along fractures, minor leaching. Poor core recovery, core in	0.7		43	53						
		pebbles.	0.5		53	62						
		C.A. 50° @ 34 ft.	0.6		62	69						
			0.2		69	71						
	25.30											
71	83	QUARTZ VEIN (?) AND SERICITIC GRAPHITE SCHIST:										
			0.2	22.25	71	73						
		Poor core recovery, core in pebbles. Quartz appears to be vein	0.4	334	73	83	10.0	3.0	.32	.2	Tr.	
		material. SLUDGE SAMPLE		356	73	83	10.0	3.0	.20	.5	.7	
	34.44											
83	113	MASSIVE SULPHIDES:										
			1.0	335	83.0	85.0	2.0	0.6	1.08	2.9	2.9	
		80% pyrite - massive, 5% magnetite, 5% quartz, 3% Pb-Zn - occurs in	3.5	336	85.0	90.0	5.0	1.5	1.14	3.9	3.3	
		blotches and blebs. Rock highly leached - minor rust to 103 ft.;	0.2	337	90.0	93.0	3.0	0.9	1.56	3.3	.6	
		50% oxidization from 103 - 113 ft., vuggy; 50% soft and crumbly.	1.4	338	93.0	99.0	6.0	1.8	1.32	3.8	2.6	
			0.8	339	99.0	100.0	1.0	0.3	1.68	9.6	4.9	
		C.A. 50° @ 87 ft., 42° @ 96 ft., 30° @ 99 ft.	1.2	340	100.0	103.0	3.0	0.9	1.52	4.7	3.3	
			1.0	348	103.0	108.0	5.0	1.5	2.56	6.9	7.5	
			0.9	349	108.0	113.0	5.0	1.5	1.44	5.0	5.3	
			SLUDGE	357	83.0	90.0	7.0	2.1	1.00	1.5	1.5	
		SPALDING COMPOSITES ON SAMPLE TICKETS #338 - 349 INCLUSIVE FOR	"	358	90.0	100.0	10.0	3.0	.60	1.9	1.7	
		GOLD = .01, COPPER = .48	"	359	100.0	110.0	10.0	3.0	1.20	2.7	1.7	
			"	360	110.0	120.0	10.0	3.0	.92	2.1	1.7	

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____ D.D.H. No. A-19 PAGE 2

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	Zinc	Copper
113.0	34.99 114.8	QUARTZ VEIN (with pebbles of Sericite Schist and Pyrite)										
		White quartz with a few spots of Pb-Zn.	1.3		113.0	114.8	1.8					
114.8	35.96 116.0	QUARTZ-GRAPHITE SCHIST:										
			0.5		114.8	116.0						
			0.5		116.0	118.0						
118.0	37.49 123.0	QUARTZ-SERICITE SCHIST:										
			0.8		118.0	120.6						
		Greenish-gray, fissile, 5% quartz.	0.5		120.6	123.0						
123.0	44.81 147.0	QUARTZ-SERICITE-GRAPHITE SCHIST:										
			1.4		123.0	127.5						
		Gray black, slightly fissile, negligible sulphides, minor carbonates.	2.5		127.5	131.0						
			3.8		131.0	135.0						
		C.A. 75° @ 134 ft.	1.0		135.0	137.0						
			3.3		137.0	147.0						
			SLUDGE	361	120.0	130.0	10.0	3.0	.84	1.9	1.7	
147.0	51.81 170.0	QUARTZ-GRAPHITE-SERICITE SCHIST:										
		Gray color, medium soft to firm. 15% graphite, decreasing to 2% @	1.1		147.0	154.0						
		170 ft., thinly bedded.	6.0		154.0	160.0						
		C.A. 75° @ 160 ft.	3.5		160.0	170.0						
			SLUDGE	362	160.0	170.0	10.0	3.0	.52	1.1	1.3	
					48.77							

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-19 PAGE 3

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead	Zinc	Copper
	57.61											
170.0	189.0	MASSIVE SULPHIDES:										
		70% pyrite - massive, fine grained, 10% magnetite in wavy streaks or	3.0	341	170.0	173.0	3.0	0.9	.64	1.7	2.0	
		narrow bands, 5% quartz, minor carbonates, 3 - 8% Pb-Zn (Av. 6%) -	0.6	342	173.0	174.5	1.5	0.4	.68	1.8	2.3	
		in bands and clusters. Likely folded structure. Lineation of	1.4	343	174.5	176.0	1.5	0.4	.68	2.0	1.9	
		magnetite changes from 65° @ 170 ft., to 20° @ 175 ft., to 65° @ 189 ft.	1.5	344	176.0	178.5	2.5	0.7	.96	4.4	2.3	
		Core recovery very poor from 178.5 - 189.0 ft., just a few grounded	0.9	345	178.5	183.0	4.5	1.4	.64	1.5	1.8	
		pebbles recovered.	0.2	346	183.0	187.0	4.0	1.2	1.48	2.7	3.1	
		Hole caving badly.	0.3	347	187.0	189.0	2.0	0.6	1.36	3.1	5.1	
			SLUDGE	363	170.0	180.0	10.0	3.0	.52	1.5	1.6	
			"	364	180.0	190.0	10.0	3.0	.64	1.6	1.9	
	65.98											
189.0	216.5	QUARTZ-SULPHIDES: SPALDING COMPOSITES ON TICKETS #373 - 378 for Gold = .01, Copper = .01										
			0.5	370	189.0	193.0	4.0	1.2	.28	Tr.	1.9	
		25% pyrite, 8% Pb-Zn appear to occur in masses and blebs, low mag-	0.3	371	193.0	195.0	2.0	0.6	2.92	8.4	9.2	
		netite. A few pebbles of graphite schist between 206 - 216 ft.	0.15	372	195.0	206.0	11.0	3.3	1.20	1.7	1.6	
		Minor blebs of chalco.	0.4	373	206.0	216.0	10.0	3.0	.76	2.2	1.9	
		Very poor core recovery: just a few grounded pebbles.	0.3	374	216.0	216.5	0.5	0.2	.64	1.8	3.1	
		Hole filled with caved material. Short of BX Casing so reduced to	SLUDGE	365	190.0	205.0	15.0	4.6	.76	2.2	1.8	
		AX hole at footage 195 ft.	"	366	205.0	210.0	5.0	1.5	.68	1.7	2.2	
			"	367	210.0	215.0	5.0	1.5	.72	1.8	2.9	
			"	380	215.0	220.0	5.0	1.5	.88	1.7	3.1	
	76.05											
216.5	249.5	QUARTZ-GRAPHITE SCHIST:										
			2.5	375	216.5	220.5	4.0	1.2	1.08	3.1	7.7	
		5 - 40% graphite, 10 - 20% pyrite, fine grained Pb-Zn disseminated	1.3	376	220.5	222.0	1.5	0.4	.92	2.8	6.6	
		in quartz bands. Minor blebs chalco. Irregular band widths.	1.3	377	222.0	228.0	6.0	1.8	1.32	3.9	6.2	
		Numerous fractures - mostly rusty. Numerous, tiny drag folds	0.85	378	228.0	230.0	2.0	0.6	1.76	5.3	3.1	
		throughout. Graphite occurs as fine disseminations in quartz	1.1	379	230.0	232.0	2.0	0.6	.52	.7	1.3	
		ground mass. Rock medium hard, not fissile.	0.45	381	232.0	234.0	2.0	0.6	.44	1.1	2.0	
		Poor core recovery, core broken and grounded.	1.2	382	234.0	237.0	3.0	0.9	1.16	4.5	2.3	
			1.0	383	237.0	240.0	3.0	0.9	.68	2.9	3.6	

DIAMOND DRILL RECORD

PROPERTY _____ D.D.H. No. A-19 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	ASSAY Zinc	ASSAY Copper
			0.5	384	240.0	245.0	5.0	1.5	.84	2.5	2.8	
		216.5 - 228.0 ft: 9% Pb-Zn	0.3	385	245.0	249.5	4.5	1.4	Tr.	.2	1.9	
		228.0 - 249.5 ft: 1 - 4% Pb-Zn	SLUDGE	368	220.0	225.0	5.0	1.5	.64	1.6	2.4	
			"	369	225.0	230.0	5.0		1.04	2.4	2.8	
			"	386	230.0	235.0	5.0		.68	1.9	2.2	
		C.A. 60° @ 216.5', 65° @ 234 ft.	"	387	235.0	240.0	5.0		.60	1.8	1.9	
			"	388	240.0	245.0	5.0		.44	1.6	1.9	
			"	389	245.0	250.0	5.0	1.5	.44	1.2	2.1	
249.5	77.11 253.0	MASSIVE SULPHIDES:										
		80 - 85% pyrite, 10 - 20% magnetite - occuring in blobs and broken bands. 1% Pb-Zn - occurs in blebs. 10% leached, 3% oxidized.	1.8	393	249.5	253.0	3.5	1.1	.40	.4	Tr.	
253.0	80.47 264.0	MASSIVE SULPHIDES:										
			0.5	394	253.0	258.0	5.0	1.5	1.08	3.6	4.7	
		80 - 85% pyrite, except between 258 - 260 ft. where 15 - 20% quartz	0.2	395	258.0	258.5	0.5	0.2	1.16	2.9	2.5	
		occurs, pyrite fine grained and massive. Average 10% magnetite -	0.35	396	258.5	260.0	1.5	0.4	1.56	5.4	2.4	
		occurs as streaky bands, minor chalco in quartzy section. 5 - 6%	0.75	397	260.0	262.0	2.0	0.6	1.28	2.2	3.9	
		Pb-Zn - occurs disseminated or as blebs within magnetic bands.	0.4	398	262.0	264.0	2.0	0.6	1.04	2.4	4.4	
			SLUDGE	390	250.0	255.0	5.0	1.5	.24	.4	1.7	
			"	391	255.0	260.0	5.0		.72	.7	1.6	
			"	392	260.0	265.0	5.0	1.5	.68	1.4	1.6	
264.0	83.45 273.8	MASSIVE SULPHIDES:										
			5.0	399	264.0	269.0	5.0	1.5	.48	1.6	1.7	
		80 - 85% pyrite - massive, fine grained, 12% magnetite - in streaky	1.1	400	269.0	270.1	1.1	0.3	.52	1.0	2.2	
		bands regularly spaced. 2 - 3% Pb-Zn - occurs disseminated and as	3.7	401	270.1	273.8	3.7	1.1	.76	.2	1.2	
		blebs within magnetic bands.										
		C.A. - Lineation of magnetic bands = 45° @ 264 ft., 55° @ 267 ft., 60° @ 270 ft.										

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-19 PAGE 5

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	ASSAY Zinc	ASSAY Copper
273.8	85.59 280.8	MASSIVE SULPHIDES:										
		Similar to 264.0 - 273.8 ft. but less magnetite (6%) and less Pb-Zn (1%) and slightly more chalco.	4.7	402	273.8	278.8	5.0	1.5	.40	Tr.	1.0	
			1.9	403	278.8	280.8	2.0	0.6	.72	Tr	1.8	
280.8	94.03 308.5	MASSIVE SULPHIDES:										
		Mainly massive, fine grained pyrite, nil to 5% magnetite (av. 2%), negligible chalco, minor Pb-Zn widely scattered.	10.2	404	280.8	291.0	10.2	3.1	.64	Tr.	.6	
			3.0	405	291.0	294.0	3.0	0.9	.32	Tr.	.3	
			4.8	406	294.0	298.8	4.8	1.4	.44	.5	1.5	
			5.0	407	298.8	303.8	5.0	1.5	.56	.7	1.7	
		C.A. Lineation of magnetite: 53° @ 296 - 308 ft.	4.7	408	303.8	308.5	4.7	1.4	1.12	2.2	1.7	
308.5	105.89 347.4	QUARTZ-GRAPHITE SCHIST:										
		Grey-black, slightly fissile, drag folded and producing undulating bedding and fractures. 3 - 4% pyrite occuring as blebs within the quartz bands and as tiny veinlets // to and also crossing bedding. A few widely scattered spots of Pb-Zn-Cu. Minor leaching between footages 322 - 347.4 ft. producing tiny holes in the quartz-sulphide bands. C.A. 60° @ 310 ft., 80° @ 312 - 339 ft., 85° @ 347 ft.	1.8		308.5	311.0						
			4.5		311.0	316.0						
			1.2		316.0	321.0						
			1.0		321.0	323.0						
			1.2		323.0	329.0						
			4.3		329.0	334.0						
			3.6		334.0	338.0						
			1.0		338.0	339.5						
			1.1		339.5	344.0						
			1.6		344.0	347.4						

DIAMOND DRILL RECORD

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-19 PAGE 6

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	ASSAY Zinc	ASSAY Copper
	111.86											
347.5	367.0	QUARTZ-GRAPHITE SCHIST:			105.92							
		Rock undergone intense movement, the quartz has been dragged into	0.7	409	347.5	349.0	1.5	0.4	.40	1.5	2.8	
		short lenses - augen appearance, with graphite encasing the quartz	2.6	410	349.0	354.0	5.0	1.5	.56	1.9	3.8	
		eyes. Pyrite, Pb-Zn is disseminated in quartz; also as sulphide	0.7	411	354.0	357.5	3.5	1.1	.60	1.6	4.5	
		bands up to 0.02 ft. wide. Rock highly fractured and 5 - 10% leached.	3.7	412	357.5	362.0	4.5	1.4	.64	1.3	3.0	
		Minor chalco in tiny veinlets and blebs. Average 30% quartz, 15%	2.1	413	362.0	367.0	5.0	1.5	.48	1.5	2.8	
		pyrite, 3 - 4% Pb-Zn.										
		C.A. 75° @ 350 ft.										
		Lost water at 250 ft.										
	113.38											
367.0	372.0	QUARTZ-GRAPHITE SCHIST:										
		Black, fissile, 10% quartz; fresh rock.	1.7		367.0	372.0						
		C.A. 77°										
	140.59											
372.0	487.5	QUARTZ-GRAPHITE-SERICITE SCHIST:										
		Dark gray, moderately fissile. 10% quartz, 20% graphite, no	86.1		372.0	487.5						
		sulphides. Bedding slightly undulating. Movement (shear) between										
		472 - 476 ft, rock fractured and minor brecciation.										
		C.A. 57° @ 378 ft., 60° @ 392 ft., 70° @ 405ft. - 465 ft.,										
		80° @ 487 ft.										
	151.79											
487.5	498.0	QUARTZ-GRAPHITE SCHIST:										
		Black, moderately fissile, 45% graphite, small shear and drag @	3.5		487.5	491.0						
		495.5'. Slightly leached, leaving pin holes.	4.6		491.0	496.0						
			0.7		496.0	497.0						
	498.0	END OF HOLE	0.9		497.0	498.0						

DIAMOND DRILL RECORD

LOGGED BY W.M. SIROLA

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-18 PAGE 1

LATITUDE ~~14,436.21~~ 14,802.21 BEARING OF HOLE ~~S XX 30° XX W~~ S 32-05 W

CLAIM No.

DEPARTURE ~~58,935.39~~ 58,966.50 DIP OF HOLE -60°

STARTED June 26/66

COMPLETED July 9/66

ELEVATION ~~3,520.46~~ 3,530.36 DIP TESTS @ 200 ft. = 59°
@ 400 ft. = 63° 20'
@ 560 ft. = 65° 40'

DEPTH 572 ft.

1076.05 174.34

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead%	Zinc%	Copper
0	18.59 61.0	OVERBURDEN:										
61.0	21.03 69.0	QUARTZ-SERICITE SCHIST:										
		50% rusty oxidation.	1.7 4.8		61.0 63.0	63.0 69.0						
69.0	31.55 103.5	QUARTZ-SERICITE SCHIST:										
		20% Pyrrhotite-magnetite in thin (.01 - .02 ft) bands // to schistosity. Average C.A. 60°	31.1		69.0	103.5						
103.5	60.96 200.0	QUARTZ-SERICITE SCHIST:										
		White to gray, soft, locally contorted, 5% pyrrhotite. Has bands from .005 ft. to 0.1 ft. // to schistosity. 135.5 - 136.5 ft. vein quartz, 138.5 - 139.0 ft. vein quartz, 159.0 - 164.5 ft. vein quartz, 193.6 - 194 ft. thoroughly bleached, broken section, possible fault.	79.4		103.5	194.0						
		C.A. 60° @ 133 ft., 65° @ 181 ft., 60° @ 195 ft.										

DIAMOND DRILL RECORD

LOGGED B _____

PROPERTY _____ D.D.H. No. A-18 PAGE 2

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Oz/T Gold	Oz/T Silver	ASSAY Lead	Zinc	Copper
200.0	141.27 463.5	QUARTZ-SERICITE-CHLORITE SCHIST:										
		20% Chlorite, 10% highly magnetic pyrrhotite. Fairly massive clots of magnetite-pyrrhotite occur from 347.6 - 347.8 ft., 356.5 - 357.5 ft., 360.0 - 360.7 ft. This unit tends to be fissile and breaks into poker-chip plates. Locally strong drag-folds have developed. Quartz veins occur @: 218 - 220 ft., 246 - 247.3 ft., 249 - 250 ft., Minor amounts of chalco occur as thin veinlets cutting schistosity. 3% magnetite occurs with some of the pyrrhotite bands. 301.5 - 301.8, 302.9 - 303.1, 310.0 - 310.1, 310.4 - 310.5, 313.8 - 314.2, 314.6 - 314.7, 316.9 - 317.0, 341.3 - 342.5, 342.6 - 342.8, 343.4 - 343.5 Quartz veins.	258.2		194.0	465.0						
		C.A. 65° @ 260 ft. (79.2), 70° @ 270 ft. (82.3), 67° @ 278 ft. (84.7), 68° @ 288 ft. (87.8), 75° @ 297 ft., 65° @ 308 ft., 70° @ 318 ft., 70° @ 328 ft., 62° @ 338 ft., 70° @ 357 ft., 70° @ 370 ft., 70° @ 400 ft.										
		C.A. 65° @ 418 ft. (127), 65° @ 436 ft. (133), 65° @ 458 ft. (139.6)										
463.5	141.73 465.0	QUARTZ-GRAPHITE-CHLORITE SCHIST:										
		40% graphite, 30% quartz, 20% chlorite, 10% pyrite.										
465.0	141.22 483.0	SILICIFIED QUARTZ-GRAPHITE-SERICITE SCHIST:	SPALDING COMPOSITES RUN ON TICKETS #326 - 327 for Gdd = .01, Copper = 15									
		30% pyrrhotite, 10% magnetite, 50% quartz, 5% graphite - sericite. 1% Pb-Zn, 0.2% Cu - 465 - 475 ft. 4% Pb-Zn, 0.15 Cu - 475.0 - 483 ft. C.A. 70° @ 472 ft.	9.5	326	141.73 465.0	475.0	3.0 10.0		.48	1.3	3.7	
			8.0	327	475.0	483.0	8.0 2.4		.64	3.4	6.7	

DIAMOND DRILL RECORD

LOGGED B _____

PROPERTY _____ D.D.H. No. A-18 PAGE 3

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead	Zinc	Copper
483.0	148.13 486.0	SILICIFIED SERICITE-CHLORITE-GRAPHITE SCHIST:										
		Much quartz (80%). Unmineralized.	3.0		483.0	486.0						
486.0	149.05 489.0	GRAPHITIC SCHIST:										
		70% graphitic, 20% quartz, 50% pyrite.	1.3		486.0	489.0						
489.0	164.28 539.0	QUARTZ-SERICITE SCHIST:										
		Crushed zones from 491 - 494.0 ft., 495 - 499 ft.,. Severe core loss from 491 - 518.0 ft. This section probably represents a flexure or buckle in the schist, rather than a major fault. Vein quartz 518 - 518.5, 534 - 535. Only very minor pyrite occurs in this section but the unit has been bleached and dissolved probably by hydro-thermal action.	25.7		489.0	539.0						
		C.A. 60° @ 532 ft.										
539.0	167.94 551.0	QUARTZ-SERICITE-GRAPHITE SCHIST:										
		This unit composed of alternating bands of grey to black schist. No sulphides; crushed zone from 541.0 - 542.5 ft. This unit shows evidence of movement along schist planes.	8.2		539.0	548.0						
		C.A. 60° @ 547 ft.										

DIAMOND DRILL RECORD

LOGGED B _____

PROPERTY _____

D.D.H. No. A-15 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

N

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead	Zinc	Copper
551.0	572.0	QUARTZ-SERICITE SCHIST;										
	174.34	30% quartz, 55% sericite. Numerous very fine cream to buff coloured veinlets often // but sometimes transecting schistosity. Composition unknown. Very minor pyrite.	21.7		548.0	572.0						
		C.A. 60° @ 557 ft., 50° @ 572 ft.										
	572.0	END OF HOLE.										

DIAMOND DRILL RECORD

LOGGED . . M. SIROLA

PROPERTY SWIN LAKES "A" GROUP

D.D.H. No. A-16 PAGE 1

LATITUDE 14,346.94 BEARING OF HOLE _____ STARTED July 4, 1966

DEPARTURE 60,261.61 DIP OF HOLE -90° COMPLETED July 15, 1966

Collar ELEVATION 3,537.68 1078.28 DIP TESTS _____ DEPTH 529.0 ft.

161.24

HOLE SIZE NX to 30 ft., BX to 40 ft., BXWL to 529 ft.

N

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	Zinc	Copper
0	40.0	OVERBURDEN										
	12.2											
40.0	87.0	QUARTZ-SERICITE-CHLORITE-SCHIST:										
	26.5	50% sericite, 30% quartz, 10% chlorite, 10% pyrite. This unit, where fresh, is dominantly pale grey with a slightly greenish tinge. The pyrite in this section is almost completely oxidized. 1% sphalerite occurs as sporadic thin veinlets.	38.4		40.0	87.0						
		C.A. 80° @ 45 ft., 80° @ 56 ft., 70° @ 65 ft., 80° @ 81 ft.										
87.0	102.5	QUARTZ-SERICITE-CHLORITE SCHIST:										
	31.2	Composed principally of partially decomposed, oxidized fragments of core except for relatively fresh core from 89.5 - 90.0 ft. This short section contains 40% pyrite. Average pyrite content 10%.	1.5		87.0	90.0						
			2.0		90.0	92.5						
			4.0		92.5	97.0						
			5.5		97.0	102.5						
		C.A. Difficult to determine because of fracturing and oxidization but dips probably highly variable.										
102.5	133.5	QUARTZ-SERICITE-CHLORITE SCHIST:										
	40.7	40% Sericite, 30% chlorite, 20% quartz, 10% pyrite, 3% magnetite.	28.5		102.5	133.0						
		C.A. 60° @ 110 ft., 80° @ 117 ft., 85° @ 128 ft., 85° @ 113 ft.										

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____

D.D.H. No. A-16 PAGE 2

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

CLAIM No. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead	Zinc	Copper
133.5	142.0	POSSIBLE FAULT ZONE IN QUARTZ SERICITE CHLORITE SCHIST:										
	43.3	75% of core is in the form of soft gouge. At 135.0' - 136.0', 137.0' - 138.0' fracturing occurs at acute angles to core.	1.0 2.0 1.5		133.0 135.0 137.0	135.0 137.0 142.0						
142.0	149.0	QUARTZ-SERICITE-CHLORITE SCHIST: (?)										
	45.4	88% core lost, the 12% recovered is largely pyrite vein quartz.	1.2		142.0	149.0						
149.0	153.0	QUARTZ-CHLORITE-SERICITE SCHIST:										
	46.6	75% core loss. Prominent quartz carbonate veining.	1.3		149.0	153.0						
153.0	154.5	QUARTZ-GRAPHITE SCHIST:	1.5		153.0	156.0						
	47.1											
154.5	156.0	Clay gouge, possible fault.										
	47.5											
156.0	216.0	QUARTZ-SERICITE SCHIST:										
	65.8	5% pyrite as sporadic veinlets. One 0.02 ft. band of Pb-Zn @ 167.5'. Pale grey with slightly greenish tinge, uniform laminations. 50% sericite, 30% quartz, 15% buff coloured ankerite veinlets.										

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____

D.D.H. No. A-16 PAGE 3

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead	Zinc	Copper
		Vein quarts from 189.0 - 189.5 ft., 199.0 - 199.5 ft.,	53.0		156.0	216.0						
		C.A. 75° @ 168 ft., 80° @ 174 ft., 75° @ 180 ft., 80° @ 194 ft., 80° @ 201 ft., 70° @ 210 ft.,										
216.0	223.0	QUARTZ-SERICITE SCHIST:										
	68	Soft, broken, severely kaolinised . Core in fragments only.	2.0		216.0	218.5						
			2.0		218.5	222.0						
		Vein quarts from 222 ft. - 223 ft.	0.5		222.0	223.0						
223.0	225.0	VEIN QUARTZ:	2.0		223.0	227.0						
	68.6											
225.0	227.0	QUARTZ-SERICITE SCHIST:										
	69.2	Distinct green tinge. 20% unidentified soft green mineral.										
227.0	245.0	AS ABOVE, but containing 5 - 10% pyrite in irregular veinlets and local	2.2		227.0	230.5						
	74.7	concentrations as at 231.5 - 232 ft and from 235.5 - 266.6.5 ft. The	1.0		230.5	231.5						
		pyrite in these concentrations is accompanied by 20% magnetite. 0.1%	3.0		231.5	235.0						
		copper, 1% pyrrhotite. Last 3 ft. of section is a very distinct	3.0		235.0	238.0						
		breccia with the fragments being largely angular to sub-rounded quarts	2.0		238.0	240.0						
		in the fine grained pale matrix. Post-brecciation fractures occur and	5.0		240.0	245.0						
		are now filled with buff-coloured veinlets.										
		C.A. 60° @ 230 ft.										

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____ D.D.H. No. A-16 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead	Zinc	Copper
245.0	275.5	QUARTZ-SERICITE SCHIST:										
	84	Core badly decomposed and gougy. Probably a continuation of the movement which caused the brecciation in the previous section. This unit is laced with veinlets of light green very soft unidentified mineral. Colour is about midway between azurite and malqchite.	22.3		245.0	275.5						
		C.A. 65° @ 267 ft.										
275.5	292.5	QUARTZ-SERICITE SCHIST:										
	89.1	Bleached buff colour, 40% leached between 280 - 281 ft., 285.5 - 286 ft., 288.8 - 289 ft., and 292 - 292.5 ft. Slightly talcy though rock generally firm. 2% pyrite and pyrrhotite in irregular bands and blotches, no Pb-Zn.	1.5		275.5	277.0						
			2.5		277.0	280.0						
			6.0		280.0	286.0						
			6.5		286.0	292.5						
		C.A. 65° @ 277 ft., 60° @ 288 ft.										
292.5	324.0	QUARTZ-SERICITE SCHIST:										
	98.8	15% quartz, 30% pyrite and 5% pyrrhotite - occuring in bands and masses, a few splashes of chalco, no Pb-Zn. Sericite bleached to buff colour. Minor leaching - sulphide pitted.	6.7		292.5	301.0						
			10.0	328	301.0	311.0	10.0		Tr.	.1	Tr.	
			5.0		311.0	316.0						
			5.0		316.0	321.0						
		C.A. 56° @ 294 ft., 70° @ 310 ft.	3.0		321.0	324.0						

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____

D.D.H. No. A-16 PAGE 5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	ASSAY Zinc	ASSAY Copper
324.0	332.5	QUARTZ-SERICITE SCHIST:										
	101.3	Bleached buff-gray color, slightly leached and kaolinized. 20% quartz, minor pyrite and no Pb-Zn. Brecciated between 324.7 - 324.9 ft., and 325.5 - 326.4 ft.	3.7		324.0	328.5						
			1.2		328.5	330.0						
			2.3		330.0	332.5						
		C.A. 75° @ 324 ft.										
332.5	352.4	QUARTZ-SERICITE SCHIST:										
	107.4	Bleached buff color, leached slightly forming vugs within sulphide bands. 30% quartz, 5% pyrite, in irregular bands, minor Pb - Zn in widely separated bands and streaks.	8.7	104.1	332.5	341.5	1.6					
			5.3	329	341.5	346.8	5.3		.10	.2	.5	
			1.0	330	346.8	347.8	1.0	0.3	.32	1.8	1.1	
		336.0 - 336.7 = 2%	4.4	331	347.8	352.4	4.6		Tr.	.1	Tr.	
		341.5 - 346.8 = 1.5%					1.4					
		346.8 - 347.8 = 4%										
		Shearing 20° to core @ 351.5 ft. Brecciated between 351.5 to 352.4 ft.										
		C.A. 85° @ 341.5 ft.										
352.4	359.5	QUARTZ-SERICITE SCHIST:										
	109.6	Sericite bleached, sulphides slightly leached. Pyrite occurs in irregular bands and masses - 35% between 352.4 - 356.8 ft., and 65% pyrite between 356.8 - 359.5 ft. 6% Pb-Zn - occurs in widely separated bands or masses.	6.7	332	352.4	359.5	2.2 7.1		.42	1.4	3.7	
		C.A. 75° @ 353 ft.										

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____

D.D.H. No. A-16 PAGE 6

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	Zinc	Copper
359.5	364.5	QUARTZ-SERICITE SCHIST:										
	111.1	Bleached buff color, leached slightly. 30% quartz, 10% pyrite in irregular bands, negligible Pb-Zn.	5.0	333	359.5	364.5	1.5 5.0		.40	.2	.1	
364.5	371.7	QUARTZ-SERICITE SCHIST:										
	113.3	Similar to 360 - 364 ft., except 20% pyrite.	2.0 5.2		364.5 366.5	366.5 371.7						
		C.A. 80° @ 366 ft.										
371.7	405.0	QUARTZ-SERICITE SCHIST:										
	123.4	Similar to 360 - 364 ft., except less than 1% pyrite. 374.7 - 377.4	32.1		371.7	405.0						
		Milky quartz vein, minor Pb-Zn-Cu. C.A. 80° @ 385 ft.										
405.0	437.0	QUARTZ-CHLORITE-SERICITE SCHIST:										
	133.2	Banded greyish-green and buff color. 20% quartz, 20% chlorite, 5% pyrite - in irregular streaks and blebs, negligible Pb-Zn (0.3% between 306 ft. - 422 ft.). Numerous small drag folds.	7.5 9.0 10.0		405.0 413.0 422.0	413.0 422.0 432.0						
		C.A. 85° @ 418 ft., 77° @ 422 ft.	5.0		432.0	437.0						

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

D.D.H. No. A-16 PAGE 7

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	ASSAY Zinc	ASSAY Copper
437.0	443.0	QUARTZ-SERICITE SCHIST:										
	135	Bleached and fresh rock mixed, minor pyrite.	1.0		437.0	438.0						
			5.0		438.0	443.0						
443.0	446.5	QUARTZ-SERICITE SCHIST:										
	136.1	50% pyrite replacement, occurs in bands. Negligible Pb-Zn, 45% qtz.	3.5	350	135 443.0	446.5	1.07 3.5		1.32	.1	.6	
		C.A. 70° @ 445 ft.										
446.5	464.5	MASSIVE SULPHIDES:	SPALDING COMPOSITES ON TICKETS #352 - 354 for Gold = .01, Copper = .07									
	141.6	70 - 80% pyrite, 2 - 8% magnetite, 15 to 2% quartz, Pb-Zn occurs in bands and in fine disseminations.	6.2	351	446.5	452.7	1.9 6.2		.36	.5	1.1	
		446.5 - 452.7 ft: 1 - 2% Pb-Zn	1.9	352	452.7	454.6	1.9	0.6	1.36	3.3	4.5	
		452.7 - 454.6 ft: 3 - 4% Pb-Zn, widely separated streaks;	5.4	353	454.6	460.0	5.4	1.6	.94	2.7	5.1	
		454.6 - 460.0 ft: 6 - 7% Pb-Zn, wider bands;	4.5	354	460.0	464.5	4.5	1.4	1.28	3.1	3.6	
		460.0 - 464.5 ft: 2 - 3% Pb-Zn, in blobs and streaks										
		C.A. 70° @ 451 ft., 85° @ 463 ft.										
464.5	468.0	QUARTZ-GRAPHITE SCHIST:										
	142.6	Average 12% graphite, 10% pyrite, 2 - 3% Pb-Zn - in bands. Banding irregular in widths.	2.6	355	464.5	468.0	1.07 3.5		.28	1.7	3.1	

DIAMOND DRILL RECORD

LOGGED _____

PROPERTY _____ D.D.H. No. A-16 PAGE 8

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead	Zinc	Copper
468.0	500.0	QUARTZ-GRAPHITE-SERICITE SCHIST:										
	152.4	Medium gray, medium soft, slightly fissile. 10 - 20% graphite, 10% quartz, no Pb-Zn. Many tiny fractures - mainly quartz-filled. Minor shearing, undulating bedding.	28.3		468.0	500.0						
		C.A. 60° @ 480 ft., 55° @ 488 ft.										
500.0	504.0	QUARTZ-GRAPHITE SCHIST:										
	153.6	10% quartz, fissile.	2.3		500.0	504.0						
		C.A. 50° @ 504 ft.										
504.0	529.0	QUARTZ-GRAPHITE-SERICITE SCHIST:										
	161.2	Medium gray at upper end, grayish-black towards lower end. Medium-hard - not fissile. No Pb-Zn.	9.5		504.0	513.0						
		509.5 - 512 ft: brecciated, qtz and carb angular fragments.	3/5		513.0	518.0						
		521 - 529 ft: numerous quartz with carbonate veinlets, also blotches of chlorite. Minor local folds. Minor pyrite in last 0.02 ft. Slight leaching of carbonate.	6.5		518.0	525.0						
			3.2		525.0	529.0						
		C.A. 80° @ 505 - 518 ft.										
	529.0	END OF HOLE:										
		Hole drilled BX size to 529 ft., rock crumbly, uneconomical to reduce after reaching solid rock.										

DIAMOND DRILL RECORD

LOGGED BY FRED CHOW

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-15 PAGE 1

LATITUDE 14,848.38 BEARING OF HOLE S 30 22 33 W STARTED June 14/66

DEPARTURE 59,395.16 DIP OF HOLE -60° COMPLETED June 23/66

ELEVATION 3,505.10 1068.35 DIP TESTS @ 200 ft. 70° 15' DEPTH 449.5 ft. 136.85

@ 400 ft. 71° 00'

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
0	18.89 62	OVERBURDEN:										
62	25.30 83	QUARTZ-SERICITE SCHIST:										
		Greenish-gray, 40% quartz, 15% chlorite, negligible pyrite/pyrrhotite, no Pb-Zn. Rock firm & fresh looking but core broken, negligible leaching, no rust.	0.5		62.0	63.0						
			1.0		63.0	73.0						
			0.7		73.0	74.0						
		C.A. 50° @ 74 ft., 56° @ 81 ft.	0.3		74.0	75.0						
			1.0		75.0	77.0						
			1.0		77.0	78.0						
			0.8		78.0	79.5						
			0.6		79.5	80.5						
			0.5		80.5	81.0						
			1.5		81.0	82.8						
83	72.75 238.7	QUARTZ-SERICITE SCHIST:										
		Bleached entirely to buff color, 10% leached showing slightly vuggy spots, no rust. 10% quartz, negligible pyrite/pyrrhotite - in blobs & streaks. Quartz vein between 124.5 - 126 ft., slightly vuggy, minor chalco & pyrite. Rock soft & very talcy. Core highly broken & crumbly. Shear (?) @ 158 - 160 ft. No evidence of other movement.	0.7		82.8	83.5						
			1.5		83.5	88.0						
			1.8		88.0	90.0						
			1.3		90.0	92.0						
			1.1		92.0	94.5						
			2.0		94.5	97.5						
			0.9		97.5	99.0						
		C.A. 70° @ 89' and 115 ft., 55° @ 123 ft., 60° @ 124.5 ft., 50° @ 144 ft., 60° @ 157 ft., 55° @ 175.5 ft., 30° @ 200 and 217 ft., 40° @ 229 ft., 60° @ 235 ft.	1.0		99.0	103.0						
			0.7		103.0	104.0						
			1.0		104.0	105.0						
			1.3		105.0	106.5						
			0.6		106.5	108.0						
			0.8		108.0	113.0						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-15 PAGE 2

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
			0.7		113.0	114.0						
			1.6		114.0	116.5						
			1.2		116.5	118.0						
			1.7		118.0	120.0						
			1.5		120.0	124.0						
			1.0		124.0	125.0						
			1.5		125.0	128.0						
			1.1		128.0	130.0						
			1.0		130.0	131.0						
			1.5		131.0	132.5						
			0.7		132.5	133.5						
			1.4		133.5	136.0						
			1.6		136.0	142.0						
			0.9		142.0	143.0						
			3.5		143.0	146.5						
			1.5		146.5	148.0						
			4.0		148.0	153.0						
			4.0		153.0	158.0						
			4.5		158.0	163.0						
			1.5		163.0	173.0						
			0.7		173.0	174.5						
			0.5		174.5	175.5						
			1.3		175.5	177.0						
			1.4		177.0	179.0						
			0.5		179.0	187.0						
			0.8		187.0	189.0						
			0.9		189.0	193.0						
			1.2		193.0	195.0						
			2.6		195.0	203.0						
			1.9		203.0	205.0						
			1.7		205.0	209.0						
			2.4		209.0	213.0						
			2.0		213.0	216.5						
			1.4		216.5	218.0						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-15 PAGE 3

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
			4.1		218.0	223.0						
			4.0		223.0	227.0						
			2.0		227.0	229.0						
			2.3		229.0	232.0						
			2.2		232.0	234.5						
			4.0		234.5	238.7						
238.7	79.25 260.0	GRAPHITIC QUARTZ-SERICITE SCHIST:										
		Grayish with buff-colored, bleached bands - moderate bleaching.	3.3		238.7	242.0						
		5% graphite, 15% quartz, minor pyrite, negligible magnetite, no	3.0		242.0	245.0						
		Pb-Zn-Cu. Rock fresh & firm. Shearing @ 242 - 244 ft., @ 10° -	4.5		245.0	249.5						
		40° to core. Minor rock movement and drag folds.	3.2		249.5	253.0						
			2.0		253.0	255.0						
			3.1		255.0	258.5						
		C.A. 80° @ 239 ft., 90° @ 241.5 ft., 68° @ 245 ft., 65° @ 260 ft.	1.3		258.5	260.0						
260.0	86.26 283.0	CHLORITIC-SERICITE SCHIST:										
		Grayish-green in color, 20% quartz, no sulphides or magnetite.	2.4		260.0	263.0						
		Rock firm & fresh except @ lower end near contact with shear where	5.2		263.0	269.0						
		it is bleached.	4.0		269.0	273.0						
			3.7		273.0	277.0						
		C.A. 50° @ 275 ft.	6.0		277.0	283.0						
283.0	91.44 300.0	SHEAR:										
		Major shear, upper contact @ 288 ft., and lower @ 297 ft., sub-	3.0		283.0	287.0						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-15 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
		sidiary shearing on upper limits. Upper contact @ 12° and lower	0.6		287.0	288.0						
		contact @ 6° with core. 283 - 288 ft., Veined with quartz. Rock	2.0		288.0	290.0						
		is ground up to 0.01 ft. and smaller pebbles plus gouge, contains	2.5		290.0	293.0						
		no sulphide minerals.	2.1		293.0	297.0						
			0.2		297.0	300.0						
300.0	104.85 344.0	GRAPHITIC QUARTZ-SERICITE BRECCIA:										
					91.44		0.7					
		Sericite nearly all replaced. Rock brecciated and recemented by	0.4	261	300.0	302.3	2.3	Tr.	Tr.	.12		
		quartz forming siliceous, hard rock. Intense movement, close	1.7	262	302.3	304.0	1.7 0.5	1.2	3.3	.60		
		drag folds at the graphitic sections of footages 319.5 - 320.9 ft.,	4.8	263	304.0	309.0	5.0 1.5	1.1	2.5	.28		
		and 333.0 - 340.3 ft. Average mineral content: 30% quartz, 40%	4.9	264	309.0	314.0	5.0	1.6	3.0	.84		
		pyrite and 4% Pb-Zn which occurs in bands, blotches scattered specks	5.0	265	314.0	319.0	5.0	2.4	3.8	.72		
		and disseminated. Non-magnetic, no chalco, no carbonate. Gypsum	5.0	266	319.0	324.0	5.0	1.3	2.5	.56		
		or selenite forming as X's in vugs and filling fractures, less	4.1	267	324.0	329.0	5.0	1.3	1.9	.92		
		than 1/2% vugs. Breccia fragments sharply angular.	4.5	268	329.0	334.0	5.0	.6	1.9	.44		
		Brecciation is post mineral.	5.0	269	334.0	339.0	5.0	1.1	2.8	.12		
			5.0	270	339.0	344.0	5.0 1.5	1.1	3.1	.12		
344.0	107.56 352.9	MASSIVE SULPHIDES - BRECCIA:										
			SPALDING		COMPOSITE ON SAMPLES #271-272						.15	.02
		10% quartz, 70% pyrite, 11% Pb-Zn. Not as brecciated as 300 -	4.2	271	344.0	348.5	4.5 1.4	3.6	4.7	1.04		
		344 ft., re-cementing by pyrite and quartz. Section of graphitic	2.0	272	348.5	352.9	4.4 1.3	3.6	7.9	1.56		
		schist between 347.6 - 348.3 ft.										

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-15 PAGE 5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
	112.32											
352.9	368.5	QUARTZ-GRAPHITE SCHIST:										
							0.6					
		40% quartz, 4% pyrite disseminated and scattered within quartz	0.9	273	352.9	355.0	2.1	.2	1.1	.20		
		bands, scattered specks of Pb-Zn. Black, fissile.	1.5		355.0	359.0						
			2.5		359.0	362.0						
			1.5		362.0	364.0						
		C.A. 60° @ 359 ft.	2.3		364.0	368.0						
			0.4		368.0	368.5						
	137.01											
368.5	449.5	SERICITIC QUARTZ-GRAPHITE SCHIST:										
		Fissile, gray-black color. 40% sericite interbedded, 5 - 10% quartz,	1.3		368.5	370.0						
		odd scattered speck of pyrrhotite and pyrite, also negligible	0.9		370.0	372.0						
		magnetite.	1.1		372.0	377.0						
			1.0		377.0	379.0						
		C.A. 70° @ 369 ft., 60° @ 386 ft., 60° @ 397 ft., 70° @ 394 ft.,	2.1		379.0	384.0						
		80° @ 398.5 ft., 80° @ 415 ft., and 425 ft., 81° @ 439 ft.,	1.0		384.0	385.0						
		75° @ 449.5 ft.	4.5		385.0	391.0						
			0.8		391.0	393.0						
			3.3		393.0	396.5						
			6.1		396.5	403.0						
			6.0		403.0	409.0						
			5.2		409.0	415.0						
			10.0		415.0	425.0						
			5.2		425.0	432.0						
			1.6		432.0	434.0						
			4.0		434.0	438.5						
			5.5		438.5	440.0						
						449.5						
	449.5	END OF HOLE										

DIAMOND DRILL RECORD

LOGGED BY FRED CHOW

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-14 PAGE 1

LATITUDE 14,821.67 BEARING OF HOLE S 31 54 15 W STARTED June 14/66

DEPARTURE 59,839.44 DIP OF HOLE -60° COMPLETED June 30/66

ELEVATION 3,487.82 1063.08 DIP TESTS @ 200 ft True 65° DEPTH 617 ft. 188.06

@ 400 ft True 70°

@ 600 ft True 72° 50'

N

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
0	15.24 50	OVERBURDEN:										
50	18.29 60	QUARTZ-SERICITE SCHIST:										
		Totally bleached to white-buff color, 5% leached, no rust. Rock	1.0		50.0	51.0						
		slightly talcy though firm. 2% pyrite - in streaks and bands,	0.5		51.0	52.0						
		25% quartz.	0.7		52.0	53.0						
			0.7		53.0	54.0						
		C.A. 45° @ 52.5 ft.	0.8		54.0	55.0						
			0.6		55.0	56.0						
60	21.79 71.5	QUARTZ-SERICITE SCHIST:										
		Totally bleached to buff color, 2% leached with no rust. 15%	0.5		60.0	64.0						
		pyrite - occuring in bands, not talcy, 30% quartz.	0.3		64.0	65.0						
			1.7		65.0	71.5						
		C.A. 60° @ 65 ft.										
71.5	24.60 84.0	Totally bleached to buff color, 6% leached with 30% oxidization,	0.3		71.5	73.0						
		medium to light brown rust, mainly along bedding planes and	0.2		73.0	74.0						
		fractures. 1 - 2% pyrite, no talc, 40% quartz.	0.8		74.0	75.5						
			1.0		75.5	77.5						
		/C.A. 60° @ 80 ft.	1.0		77.5	80.0						
			1.0		80.0	81.0						
			0.8		81.0	83.0						
			0.3		83.0	84.0						

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
84.0	39.62 130.0	QUARTZ-SERICITE SCHIST:										
		Totally bleached to white-buff color, hard and siliceous, a few short talcy sections. 0.5% pyrrhotite and 0.2% pyrite in widely separated bands and blebs. No Pb-Zn. 3% oxidation - rusty along fractures and bedding planes; slightly leached, highly leached between 108 - 109 feet. Quartz veinlets @ 112 ft., 113 ft., 115 ft., and 116 - 117 ft.	0.8		84.0	86.0						
			1.2		86.0	88.0						
			1.3		88.0	91.5						
			2.0		91.5	95.0						
			3.2		95.0	100.5						
			9.0		100.5	109.5						
			2.5		109.5	112.0						
			0.6		112.0	113.0						
		C.A. @ 98 ft. & 114 ft., 70° @ 125 ft.	1.0		113.0	114.0						
			1.5		114.0	115.5						
			0.5		115.5	116.0						
			0.5		116.0	118.5						
			0.2		118.5	119.0						
			0.6		119.0	120.0						
			0.3		120.0	121.5						
			1.6		121.5	123.5						
			0.5		123.5	124.0						
			1.0		124.0	125.0						
			0.5		125.0	125.5						
			0.3		125.5	126.0						
			1.4		126.0	127.5						
			0.2		127.5	128.0						
			1.0		128.0	129.0						
			0.5		129.0	129.5						
			0.5		129.5	130.0						
130.0	41.30 135.5	QUARTZ-SERICITE SCHIST:										
		Similar to 84 - 130 ft., except higher (4%) pyrite/pyrrhotite content and slightly more leached.	0.7		130.0	131.0						
			1.5		131.0	132.5						
			0.1		132.5	133.5						
			2.0		133.5	135.5						

DIAMOND DRILL RECORD

LOGGED B _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

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CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
135.5	42.49 139.4	QUARTZ VEIN:										
		Milky-white with a few blotches pyrite and streaky rust seams.	3.3		135.5	139.4						
		Seams @ 45° - 30° to core.										
139.4	48.16 158.0	QUARTZ-SERICITE SCHIST:										
		Totally bleached with intermittent sections 40% leached showing	2.3		139.4	142.5						
		light brown rust. Minor pyrite in widely separated bands and	7.5		142.5	156.0						
		blotches. Shear @ 142 - 144 ft.	0.8		156.0	158.0						
		C.A. 60° @ 150 ft.										
158.0	52.61 172.6	QUARTZ-SERICITE SCHIST:										
		Totally bleached to buff color, 1% leached, no rust. 1% pyrite in	10.0		158.0	168.0						
		streaky, irregular bands.	0.5		168.0	168.5						
			0.5		168.5	169.0						
		C.A. 50° @ 159 ft., 60° @ 160 ft., undulating 50° - 60° @ 165 ft.	3.0		169.0	172.6						
		Hole reduced from BXAWL to AXAWL @ 168 feet.										
172.6	68.27 224.0	QUARTZ-SERICITE SCHIST:										
		Totally bleached, 5% leached, minor rust, heavy oxidation between										

DIAMOND DRILL RECORD

LOGGED B _____

PROPERTY _____ D.D.H. No. A-14 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
			2.5		172.6	177.0						
		192 - 194 ft. A few quartz veinlets, 4% pyrite - occuring as	0.1		177.0	182.0						
		streaks and blebs, a few blebs Pb-Zn.	0.2		182.0	192.0						
			1.5		192.0	198.0						
			3.0		198.0	203.0						
		C.A. 50° @ 198 ft., 60° @ 203 ft.	0.7		203.0	204.0						
			1.4		204.0	206.5						
			0.8		206.5	216.0						
			0.3		216.0	222.0						
			0.2		222.0	224.0						
	72,45											
224.0	237.7	QUARTZ-SERCITE SCHIST:										
					68.27		1.8					
		40% quartz, 40% pyrite replacement occurs in bands, not distinct,	4.8	275	224.0	230.0	6.0	.1	1.1	.08		
		3% magnetite - occurs in bands and blebs, a few spots of Pb-Zn.	7.0	276	230.0	237.7	7.7	.1	.7	.16		
							2.3					
		C.A. 65° @ 231 ft.										
	75.83											
237.7	248.8	QUARTZ-SERICITE SCHIST:										
		Totally bleached to 246 ft., negligible leaching, 4% pyrite -	0.9		237.7	239.0						
		occuring in bands, 15% quartz. Slightly bleached between 248 -	1.6		239.0	241.0						
		248.8 ft., 30% pyrite in bands, 30% quartz, no Pb-Zn.	1.0		241.0	242.0						
			1.0		242.0	243.0						
		C.A. 80° @ 241 ft.	5.5		243.0	248.8						

DIAMOND DRILL RECORD

LOGGED B _____

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

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ELEVATION _____ DIP TESTS _____ DEPTH _____

N

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
	78.33											
248.8	257.0	QUARTZ-SERICITE SCHIST:										
					75.83		2.5					
		15% quartz, 70% pyrite - near massive, banding faint, negligible Pb-Zn-Cu, minor magnetite.	5.8	277	248.8	257.0	8.2	.2	1.6	Tr.		
		C.A. 60° @ 251 ft.										
	85.34											
257.0	280.0	QUARTZ-SERICITE SCHIST:										
		Bleached buff. Average 30% quartz and 15% pyrite occuring in	0.6		257.0	258.0						
		bands. Massive pyrite between 262.7 - 263.3 ft., and 269.7 -	5.0		258.0	263.0						
		270.3 ft., 6% magnetite. A few narrow bands or streaks Pb-Zn.	2.0		263.0	265.0						
		Dragfolding @ 266 ft., 273 - 280 ft.	5.0		265.0	270.0						
			5.0		270.0	275.0						
		C.A. 55° @ 265 ft., 40° @ 270 ft., 65° @ 271 ft.	5.0		275.0	280.0						
	90.43											
280.0	296.7	QUARTZ-SERICITE SCHIST:										
		Totally bleached, 1% leached - no rust, 4% pyrite,-occurs as	0.7		280.0	281.0						
		streaky bands, 15% quartz, moderately talcy.	5.0		281.0	286.0						
			4.0		286.0	290.0						
			1.4		290.0	292.0						
		C.A. 65° @ 285 ft., 60° @ 294 ft.	1.5		292.0	293.5						
			3.0		293.5	296.7						

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
296.7	305.5	QUARTZ-SERICITE SCHIST:										
	93.11				90.43		2.1					
		Banded and massive sections of pyrite - average 55% pyrite, 30%	5.0	278	296.7	303.7	7.0	Tr.	.3	Tr.		
		quartz, 7% magnetite. 296.7 - 303.7 ft. contains 0.2% Pb-Zn and	1.8	279	303.7	305.5	1.8	.3	1.3	.22		
		303.7 - 305.5 ft., contains 2% Pb-Zn plus 2% pyrrhotite.					0.5					
		C.A. 55° @ 300 ft.										
	107.65											
305.5	353.2	QUARTZ-SERICITE SCHIST:										
		Totally bleached, very slightly leached, slightly rusty in spots.	3.5		305.5	309.0						
		5% pyrite - in irregular bands, 25% quartz, 1% magnetite, negligible	0.6		309.0	310.0						
		Pb-Zn	2.5		310.0	313.5						
			1.4		313.5	315.0						
		C.A. 60° @ 322 and 327 ft., 70° @ 331 ft., 65° @ 344 ft.,	1.8		315.0	317.0						
		66° @ 352.5	5.0		317.0	322.0						
			5.0		322.0	327.0						
			3.0		327.0	330.0						
			5.0		330.0	335.0						
			0.8		335.0	336.0						
			2.4		336.0	339.0						
			2.0		339.0	341.0						
			1.1		341.0	342.5						
			1.5		342.5	344.0						
			1.4		344.0	345.5						
			1.5		345.5	347.5						
			5.0		347.5	352.0						
			0.7		352.0	353.2						

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
	111.56											
353.2	366.0	QUARTZ-SERICITE SCHIST:										
		30% bleached buff color, a few spots slightly leached. 20% highly	1.1		353.2	354.5						
		magnetic pyrrhotite, 1% pyrite - occuring in bands, 25% quartz, no	5.0		354.5	359.5						
		Pb-Zn-Cu, 15% chlorite. Moderately dragfolded, minor small offsets.	4.5		359.5	364.0						
			2.0		364.0	366.0						
		C.A. 65° @ 365 ft.										
	114.36											
366.0	375.2	QUARTZ-SERICITE SCHIST:										
		353.2										
		Similar to 350 - 366 ft., less sulphides - 3%, more chlorite -	1.6		366.0	368.0						
		25%, minor blebs chalco.	1.5		368.0	369.5						
			5.0		369.5	374.5						
			0.7		374.5	375.2						
		C.A. 55° @ 375 ft.										
	120.55											
375.2	395.5	QUARTZ-SERICITE SCHIST:										
		Similar to 353 - 366 ft., except more sulphides - 24% pyrrhotite,	4.3		375.2	379.5						
		1% pyrite (pyrrhotite highly magnetic) and a very slight increase	5.3		379.5	385.0						
		in chalco, no Pb-Zn	5.0		385.0	390.0						
			5.3		390.0	395.5						
		C.A. 55° @ 390 ft.										

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
395.5	125.18 410.7	QUARTZ-SERICITE SCHIST:										
		Bleached buff - 70% increasing to 95%. 30% quartz, 9% magnetic	1.5		395.5	397.0						
		pyrrhotite & 1% pyrite - occuring in irregular bands & streaks, no Pb-Zn-Cu. Slightly leached.	4.0	397.0		401.0						
			5.0		401.0	406.0						
		C.A. 72° @ 401 ft.	0.6		406.0	407.0						
			3.7		407.0	410.7						
410.7	129.02 423.3	MASSIVE PYRITE:										
		90% pyrite, 5% quartz, 3.5% magnetite, negligible Pb-Zn. 411.3 -	7.6	280	125.18 410.7	418.3	2.3 7.6	.3	.7	.44		
		412.6 ft. massive pyrrhotite. Banding indistinct, lineation of	5.0	281	418.3	423.3	5.0 1.5	Tr.	.7	.44		
		magnetite streaks is 60° @ 416 ft.										
423.3	131.15 430.3	MASSIVE SULPHIDES:										
		80% fine grain massive pyrite, 4% magnetite - occurs in streaks &	(Not Shown) 4.0	282	423.3	427.3	1.2 4.0	4.0	4.7	1.68		
		blebs, minor quartz, 7% Pb-Zn-occuring in bands & as disseminations,	(Not 2.4				0.9					
		fine grain. Banding indistinct, lineation of magnetite is 60° @	shown)	283	427.3	430.3	3.0	3.4	4.5	1.84		
		429 ft.	SPALDING		COMPOSITES ON SAMPLES 4 282-285						.30	.02
430.3	137.07 449.7	MASSIVE SULPHIDES:										
		90% pyrite, 5% magnetite - occuring in irregular streaks & blotches,	3.8	284	430.3	434.1	1.1 3.8	2.3	2.7	1.48		
		less than 1% Pb-Zn - occuring in widely separated bands. 434.1 -	3.1	285	434.1	437.3	3.2 0.9	4.3	5.6	.84		
		436.2 ft. 8% Pb-Zn. Banding contorted or indistinct.	3.7	286	437.3	441.0	3.7 1.1	.7	1.5	.84		
			5.0	287	441.0	446.0	5.0 1.5	.1	.6	.60		
		C.A. 60° @ 438 ft.	3.7	288	446.0	449.7	3.7 1.1	.1	.1	.80		

DIAMOND DRILL RECORD

LOGGED B _____

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
449.7	139.72 458.4	QUARTZ-GRAPHITE SCHIST:										
		55% quartz, 20% pyrite and 15% graphite occuring in irregular and undulating streaks & bands - 50° to core, 4% Pb-Zn - occurs in irregular bands, minor chalco, no drag folds.	5.3	289	449.7	455.0	1.6 5.3	1.4	2.1	.68		
			3.4	290	455.0	458.4	3.4 1.0	3.3	4.9	1.28		
					SPALDING COMPOSITES ON SAMPLES #290-292						.15	.02
458.4	144.63 474.5	MASSIVE SULPHIDES:										
		75% pyrite, 3% magnetite - in streaks & blebs, 10% quartz, 7% Pb-Zn - occurs as bands & disseminations. 458.4 - 459.4 ft. quartz veinlet.	1.0	291	458.4	459.4	0.3 1.0	1.5	4.7	.98		
			3.5	292	459.4	463.4	4.0 1.2	4.5	5.8	2.88		
			4.3	293	463.4	469.0	5.6 1.7	.1	.4	.52		
		Lineation 80° @ 470 ft.	5.4	294	469.0	474.5	5.5 1.67	2.4	2.9	.96		
474.5	147.83 485.0	QUARTZ-GRAPHITE SCHIST:										
		Black, 50% quartz, 3% interbedded pyrite - occuring in streaks, 0.8% Pb-Zn - occurs in streaks & blebs with the pyrite, minor chalco.	4.5	295	474.5	479.0	1.4 4.5	1.0	2.7	.20		
			3.2	296	479.0	485.0	6.0 1.8	Tr.	Tr.	.08		
			SLUDGE	457	479.0	486.0	6.0	.4	.1	.34		
		476.5 - 476.7 ft: Massive pyrite with 10% Pb-Zn.										
		477.3 - 477.8 ft: Quartz veinlet with spot of Pb-Zn-Cu.										
		480.8 - 483.5 ft: Sericite schist with 20% pyrite, 2% Pb-Zn.										
		483.5 - 484.0 ft: Pyrite/pyrrhotite with 1% Pb-Zn.										
		484.0 - 485.0 ft: Graphite & Sericite schist.										
		C.A. 85° @ 475 ft, 60° @ 485 ft.										

DIAMOND DRILL RECORD

LOGGED B _____

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

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ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
485.0	150.87 495.0	QUARTZ-GRAPHITE SCHIST:										
		Black, graphite & quartz interbedded. 50% quartz, 15% pyrite -	4.4	297	485.0	490.0	1.5 5.0	1.6	2.3	.88		
		disseminated in quartz bands, 4% Pb-Zn to footage 490 ft.,	2.0	298	490.0	492.0	2.0	.3	.1	.16		
		negligible Pb-Zn from 490 - 495 ft. Splashes & veinlets of chalco-	3.0		492.0	495.0	0.6					
		0.15% Cu. Intensely folded.										
		C.A. 50° @ 486 ft., 65° @ 490 ft.										
495.0	153.92 505.0	QUARTZ-GRAPHITE SCHIST:										
		Black, 5% quartz, crumbly between 502.5 - 505.0 ft.	4.9		495.0	500.0						
			3.0		500.0	503.0						
		C.A. 85° undulating	1.2		503.0	505.0						
505.0	167.33 549.0	QUARTZ-GRAPHITE SCHIST:										
		Grayish-black, crumbly. 10% sericite, 10% quartz, no sulphides.	0.5		505.0	506.0						
		Minute amount of magnetite detected when pulverised.	1.0		506.0	507.0						
			1.8		507.0	509.0						
		C.A. 75° @ 506 ft., 88° @ 510.5 ft., 55° @ 513 ft.,	2.2		509.0	512.0						
		60° @ 537 ft.	0.3		512.0	513.0						
			1.0		513.0	514.0						
			1.4		514.0	516.0						
			1.2		516.0	519.0						
			0.5		519.0	520.0						
			1.0		520.0	521.0						
			1.2		521.0	523.0						

DIAMOND DRILL RECORD

LOGGED F _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
			1.1		523.0	526.0						
			0.8		526.0	528.0						
			3.0		528.0	531.0						
			1.5		531.0	532.5						
			1.5		532.5	535.0						
			0.7		535.0	537.0						
		C.A. 50° @ 545 ft.	0.8		537.0	538.0						
			1.2		538.0	539.5						
			0.8		539.5	540.5						
			0.5		540.5	541.0						
			0.7		541.0	542.0						
			0.3		542.0	543.0						
			1.9		543.0	545.0						
			0.6		545.0	546.0						
			0.8		546.0	547.0						
	188.06		2.1		547.0	549.5						
549.5	617.0	QUARTZ-CHLORITE-SERICITE SCHIST:										
		Light green to greenish-gray color. Medium-soft, low specific gravity; mod. fissile, thinly bedded, no banding. 10% quartz, 25% chlorite - uniformly mineralized; a few quartz veinlets with blebs of pyrrhotite.	50.0		549.5	617.0						
		590 - 608 ft: minor graphite - streaky occurrence, 0.5% pyrrhotite-disseminated in blebs, minor magnetite, fine-grained.										
		608 - 617 ft: Similar to 590 - 608 ft., except highly siliceous and hard.										
		C.A. 55° @ 559 ft., 65° @ 580 ft., 60° @ 600 ft., 80° @ 607 ft., 75° - 80° @ 616 ft.										

DIAMOND DRILL RECORD

LOGGED BY _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
	617.0	END OF HOLE						
		REMARKS: 165 feet of AXAWL casing sanded in and left in hole, and cut at following footages: 160, 150, 140, 130, 120, 110 and 80 ft. Collar (less 1.5 ft.) sticking above ground.						

DIAMOND DRILL RECORD

LOGGED [illegible]RED CHOW

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-13 PAGE 1

LATITUDE 14,619 . 43 BEARING OF HOLE S 33 18 10 W STARTED June 7/66

DEPARTURE 60,188 . 17 DIP OF HOLE - 60° 00' 00" COMPLETED June 17/66

ELEVATION 2504 . 70 1068.23 DIP TESTS @ 200 - 58° 600 - 75° 00' @ 400 - 69°45' DEPTH 703' 214.27

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

Casing: 30' NX, 82' BX, 298', AX / Core Size: 65' - 298' BXAWL, 298' - 703' AXAWL

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
0	65.0	OVERBURDEN:										
	19.8											
65.0	76.0	QUARTZ SERICITE SCHIST:										
	23.2	30% oxidized, broken core, 20% quartz, negligible pyrite, no magnetite.	3.0/11'		65.0	76.0						
76.0	100.0	QUARTZ SERICITE SCHIST:										
	30.5	Mod. bleached, sl. leached. Numerous quartz veinlets 0.08' - 0.25' wide with pyrrhotite, pyrite and chalco filled fractures. Pyrrhotite, pyrite and magnetite also occur in schist rock. Average sulphide 5%, Cu 0.05% and no Pb Zn.	0.8/4' 0.8/2' 0.5/1' 1.4/2' 1.4/4' 0.5/3' 1.7/7' 0.5/1'		76.0 80.0 82.0 83.0 85.0 89.0 92.0 99.0	80.0 82.0 83.0 85.0 89.0 92.0 99.0 100.0						
		C. A. 75° @ 83.5.										
100.0	106.0	QUARTZ SERICITE SCHIST:										
	32.3	33% leached - no rust. 50% pyrite replacement. 5% pyrrhotite, slightly magnetic, no Pb Zn.			100.0	106.0						
		C. A. 80° @ 105										

DIAMOND DRILL RECORD

LOGGED _____

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
106.0	129.2	QUARTZ SERICITE SCHIST:										
	39.4	5% quartz, no sulphides, fissile and soft, quartz veinlet @ 121.6 - 122.2	0.6/½'		106.0	108.0						
			0.8/5'		108.0	113.0						
			0.7/5'		113.0	118.0						
		C. A. 65° @ 125'	1.8/½'		118.0	120.0						
			2.3/2'?		120.0	122.0						
			1.7/3'		122.0	125.0						
			1.5/2'		125.0	127.0						
			1.9/2'		127.0	129.2						
129.2	142.2	MASSIVE SULPHIDES:										
	43.3	75% pyrite, 5% pyrrhotite, 0.07 Cu, 0.3% Pb Zn. 1 - 2% magnetite and pyrite banded, other sulphides occur in scattered patches banding undulating between 129 - 136'	7.0/18.2'	211	39.4 129.2	136.5	2.2 7.3	Tr.	1.0	.32		
			5.7/14.5'	212	136.5	142.2	5.7 1.7	.3	1.1	.76		
		C. A. 30° @ 136'										
142.2	149.0	QUARTZ SERICITE SCHIST:										
	45.4	Bleached, 3% leached - no rust, slightly talcy, 40 - 50% quartz widely separated streaks of pyrite.	3.8/13.8'		142.2	146.0						
			2.9/3'		146.0	149.0						

DIAMOND DRILL RECORD

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PROPERTY _____ D.D.H. No. A-13 PAGE 3

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
149.0	153.0	QUARTZ SERICITE SCHIST:										
	46.6	24% pyrrhotite with 1% pyrite replacement, 0.05% Cu occurs as chalco in filling fractures.	4.0		149.0	153.0						
		C. A. 55° @ 150'										
153.0	169.5	QUARTZ SERICITE SCHIST:										
	51.7	Slightly bleached and very slightly leached. 20% quartz, negligible sulphides, slightly magnetic.	5.5		153.0	159.0						
			7.0		159.0	166.0						
			3.5		166.0	169.5						
		C. A. 55° @ 160'										
169.5	173.7	QUARTZ VEIN:										
	52.9	White, 5% pyrrhotite pyrite occuring as fracture filling.	2.6		169.5	173.7						
173.7	192.0	QUARTZ SERICITE SCHIST:										
	58.5	Sericite bleached to buff color, rock very slightly leached, not folded, intensely fractured likely through, folding of adjacent rock. Fractures normal to bedding and filled with pyrite/pyrrhotite & chalco. Pyrrhotite highly magnetic in streaks and bands up to 0.2, magnetite not seen, negligible galena and sphalerite.	0.8		173.7	175.0						
			5.0		175.0	180.0						
			4.8		180.0	186.0						
			5.7		186.0	192.0						

DIAMOND DRILL RECORD

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PROPERTY _____ D.D.H. No. A-13 PAGE 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
		concentrated 0.1% Cu mostly core, between 187 - 190. 20% quartz, 20% pyrrhotite 2% pyrite.										
		C. A. 55° @ 180'										
192.0	212.5	QUARTZ SERICITE SCHIST:										
	64.8	Sericite slightly bleached, intensely folded slightly fractured	5.0		192.0	197.0	3.0					
		25% quartz, 40% pyrrhotite, minor pyrite, Negligible chalco no Pb Zn	9.0	213	197.0	207.0	10.0	Tr.	Tr.	.04	.22	Tr.
			5.2	60.0	207.0	212.5						
		C. A. 60° @ 200'										
212.5	234.0	QUARTZ SERICITE SCHIST:										
	71.3	Similar to 192 - 212.5 except no folding and slightly more	2.0		212.5	214.0						
		mineralised with chalco - 0.1% Cu	4.0		214.0	218.0						
			2.6		218.0	221.0						
			7.0		221.0	228.0						
		C. A. 50° @ 121.5 60° @ 231'	6.0		228.0	234.0						
234.0	258.0	QUARTZ SERICITE SCHIST:										
	78.6	Unbleached, negligible fracturing, silicified - hard and	7.0	73.46	234.0	241.0	3.0					
		brittle, moderate amount of folding. 40% pyrrhotite, 4% pyrite	10.0	214	241.0	251.0	10.0	.2	Tr.	.12	.30	Tr.
		occuring in bands, 25% quartz, 0.1% Cu occuring as chalco	7.0		251.0	258.0						
		veinlets or fracture filling, no Pb Zn, pyrrhotite highly magnetic. C. A. 50° @ 241', 55° @ 255'										

DIAMOND DRILL RECORD

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PROPERTY _____ D.D.H. No. A-13 PAGE 5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
258.0	307.7	QUARTZ SERICITE SCHIST:										
	93.8	Intensely folded, slightly fractured, hard - 25% quartz, 40%	4.5		258.0	262.5						
		pyrrhotite, 2% pyrite, magnetite not seen, less than 0.1% Cu,	9.5		262.5	272.0						
		spot of galena at 287.5'	10.0		272.0	282.0						
			10.0		282.0	292.0						
		BX Core ends @ 298' and AX core starts	6.0		292.0	298.0						
			3.1		298.0	302.0						
		C. A. 55° @ 263', 70° @ 267', 60° @ 281', 50° @ 298'	5.7		302.0	307.7						
307.7	331.6	QUARTZ SERICITE SCHIST:										
	101.1	Similar to 258 - 307.7 except pyrrhotite content 20%, pyrite	1.2		307.7	309.0						
		5% minor chalco, 15% quartz, slightly chloritised towards 331.6	8.5		309.0	319.0						
		Spots of Pb Zn Cu from 327.2 - 331.6	7.8		319.0	327.2						
			4.4	215	327.2	331.6	4.4	.2	1.6	.20		
		C. A. 60° @ 313 58° @ 327.			99.73		1.3					
331.6	361.1	QUARTZ SERICITE SCHIST:										
	110.1	25% quartz, 25% pyrite in streaks and up to 0.02' bands, 2%	4.4		331.6	336.0						
		pyrrhotite, 3% chlorite, spots of Pb Zn @ 346 and 349. Minor	5.5		336.0	342.5						
		scattered chalco.	10.0		342.5	352.5						
			4.5		352.5	357.5						
		C. A. 65° @ 336 and 352	3.6		357.5	361.1						

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ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
361.1	371.2	QUARTZ SERICITE SCHIST:										
	113.1	40% quartz, numerous quartz veinlets varying from 0.1' to 1.5'	6.9		361.1	368.0						
		15% pyrrhotite, 20% pyrite, a few scattered spots of Pb Zn, negligible chalco. Shear @ 368 @ 10° to core.	3.2		368.0	371.2						
371.2	376.3	QUARTZ SERICITE SCHIST:										
	114.7	15% quartz, 15% pyrite in discontinuous streaks and bands, 2 spots of Pb Zn negligible chalco, bedding contorted,	5.1		371.2	376.3						
376.3	414.4	QUARTZ SERICITE SCHIST:										
	126.3	Gray-buff colored, hard, 30% quartz, 10% pyrrhotite and 3% pyrite	1.7		376.3	378.0						
		in streaks and bands, negligible chalco and a few spots of Pb-	10.0		378.0	388.0						
		Zn. Moderate movement with drag folds and tiny offsets. 0.5'	10.0		388.0	398.0						
		quartz vein @ 402' where severe bleaching occurs, bleaching	4.5		398.0	402.5						
		decreases above and below this footage.	4.0	123.9	402.5	406.5	1.4					
			4.5	216	406.5	411.0	4.5	Tr.	.5	.18		
		C. A. 65° @ 379, 60° @ 389, 70° @ 397, 45° @ 399, 60° @ 401 65° @ 407	3.3	217	411.0	414.4	3.4	Tr.	.5	.08		
							1.0					
414.4	423.8	QUARTZ SERICITE SCHIST:										
	129.2	Similar to 402.5 - 414.6 except only 3% pyrite-pyrrhotite,	9.4		414.4	423.8						
		negligible Pb Zn Cu and 20% chloritized.										

DIAMOND DRILL RECORD

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
423.8	447.8	QUARTZ SERICITE SCHIST:										
	136.5	30% quarts, 12% pyrrhotite and 3% pyrite in bands up to 0.03' wide, also in streaks, blotches and specks, pyrrhotite highly magnetic. 0.05% Cu occuring in fractures and blotches, no magnetite seen. 5% chlorite. Moderate movement - small drag folds and fractures. Negligible Pb Zn	9.2		423.8	433.0						
			10.0		433.0	443.0						
			4.6		443.0	447.8						
		C. A. 60° @ 432, 55° @ 432										
447.8	457.7	QUARTZ SERICITE SCHIST:										
	139.5	20% quarts, 30% pyrite and 3% pyrrhotite occuring in closely spaced narrow bands, minor Pb Zn	9.9		447.8	457.7						
		C. A. 65° - 70° @ 452'										
457.7	460.2	QUARTZ SERICITE SCHIST:										
	140.2	20% quarts, 50% pyrite in bands, minor magnetite minor Pb Zn	2.5	218	139.5 457.7	460.2	0.76 2.5	Tr.	.6	.20		
		C. A. 65° @ 460'										

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
460.2	472.1	MASSIVE PYRITE:										
	143.9	5% quartz, 90% pyrite, 3% magnetite, minor Pb Zn. Schistosity @ 550 to core @ 470'.	5.8	219	460.2	466.0	1.76 5.8	Tr.	.6	.64		
			5.8	220	466.0	472.1	6.1 1.86	.2	1.1	.72		
472.1	482.0	MASSIVE SULPHIDES:										
	146.9	10% quartz, 65% pyrite in bands, 6% magnetite also in bands,	4.9	221	472.0	477.0	1.49 4.9	3.6	5.7	1.56		
		12% pb Zn occuring in bands and fine disseminations, higher grade in upper 5', Minor chalco.	5.0	222	477.0	482.0	5.0	3.4	4.3	1.40		
			SPALDING		COMPOSITE 1-5 ON # 221 + 222						.16	.02
		C. A. 55° @ 478.5										
482.0	488.4	QUARTZ SERICITE SCHIST:										
	148.9	5% quartz, bleached white, soft and talcy. Negligible pyrite no Pb Zn.	5.0		482.0	487.0						
			1.2		487.0	488.4						
		C. A. 77° @ 483										
488.4	510.2	MASSIVE PYRITE:										
	155.5	10% quartz, 80% pyrite, 5% magnetite in bands and scattered blotches, 0.1% Cu in veinlets, minor Pb Zn	7.1	223	488.4 (148.9)	496.0	2.3 7.6	.1	.5	.72		
			5.5	224	496.0	503.0	2.1 7.0	.3	1.1	.40		
			7.2	225	503.0	510.2	2.2 7.2	.2	1.3	.64		

DIAMOND DRILL RECORD

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
510.2	514.8	MASSIVE SULPHIDES:										
	156.9	15% quartz, 60% pyrite, 5% magnetite in streaks and blotches, no chalco. 7 - 8% Pb Zn. disseminations and mainly between 510.2 - 511.8	4.6	226	510.2	514.8	1.4 4.6	4.6	5.2	1.64	.22	.04
		C. A. 70° - 60°										
514.8	519.4	QUARTZ SERICITE SCHIST:										
	158.3	10% quartz, 10% pyrite in streaks, slightly bleached to buff color, soft and talcy, less than 1% Pb Zn	4.6	227	514.8	519.4	1.4 4.6	Tr.	1.2	.30		
		C. A. 70° @ 516.5										
519.4	527.7	QUARTZ GRAPHITE SCHIST:										
	160.8	10% quartz, 3% pyrite, pyrrhotite, Black, soft, fissile, 4% Pb Zn between 520.4 - 522.	2.6	228	519.4	522.0	0.79 2.6	.1	1.6	.38		
			5.5		522.0	527.7						
		C. A. 60° @ 521.0										

DIAMOND DRILL RECORD

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____ DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS _____ DEPTH _____ NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
527.7	545.4	QUARTZ SERICITE SCHIST:										
	166.2	Bleached to buff color, 5% quartz, less than 1% pyrrhotite, occuring in scattered specks.	5.3		527.7	533.0						
			4.7		533.0	537.0						
			3.7		537.0	541.5						
		C. A. 65° @ 529, 75° @ 537, 90° @ 545	3.7		541.5	545.4						
545.4	703	QUARTZ SERICITE SCHIST:										
	214.3	Greenish gray color, soft fissile. 10% chlorite, odd specks of pyrrhotite. Slightly bleached between 504.5 - 572'. Spot of Pb Zn @ 570.5 in quartz veinlet.	2.6		545.4	548.0						
			2.2		548.0	556.0						
			8.5		556.0	564.5						
		C. A. 78° @ 558 82° @ 568	6.0		564.5	572.0						
			3.5		572.0	577.5						
			2.3		577.5	580.0						
			8.0		580.0	588.0						
			5.7		588.0	594.0						
			3.5		594.0	597.5						
			4.0		597.5	601.5						
			0.5		601.5	602.5						
			5.5		602.5	608.0						
			4.7		608.0	613.0						
			2.0		613.0	615.0						
			8.0		615.0	623.0						
			8.0		623.0	632.0						
			6.5		632.0	638.5						
			3.5		638.5	642.0						
			4.5		642.0	647.0						

DIAMOND DRILL RECORD

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
		Numerous quartz veinlets 0.02' to 0.3' in widths between 568 - 607'. Negligible magnetite content. Rock becomes more green in color as chlorite content increases to about 20% towards 703'	2.0		647.0	649.5						
			0.9		649.5	651.0						
			6.5		651.0	658.0						
			4.0		658.0	663.0						
		C. A. 87° @ 588' (undulating) 70° @ 599.5', 87 - 90° @ 603	10.0		663.0	673.0						
			10.0		673.0	683.0						
		81° @ 607.5, 75 - 80° @ 613, 85° @ 621, 77° @ 633	10.0		683.0	693.0						
			10.0		693.0	703.0						
		82° @ 658, 80 - 90° @ 674, 85° @ 686 and 702										
	703	END OF HOLE										

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY SWIM LAKES "A" GROUP

D.D.H. No. A-9 PAGE 1

LATITUDE 14,722 .696 BEARING OF HOLE S 30 W STARTED May 21, 1966

DEPARTURE 60,018 .995 DIP OF HOLE -30.5 -60° COMPLETED June 9, 1966

ELEVATION 3496 .99 (1065.88) DIP TESTS 200' - 62° 300' - 65° 15' 400' - 69° 15' 600' - 73° 00' DEPTH 723' 220.37

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

Casing: 16' H, 30' NX, 39' BX / Core Size - 32-420 is BXAWL, 420 - 723 is AXAWL

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
0	32 (9.75)	OVERBURDEN										
32	51 (15.54)	SERICITE SCHIST:	2.0		32	34						
			0.5		34	37						
			3.8		37	43						
		Highly oxidized to rusty color, minor quartz and sulphides.	2.0		43	48						
			0.7		48	51						
		C. A. 65° @ 42'										
51	66 (20.11)	QUARTZ SERICITE SCHIST:	1.5		51	53						
			3.0		53	56						
			1.0		56	58						
		Buff-grey color, medium soft, 10% quartz, 2% pyrite, in tiny	2.1		58	60.5						
			0.6		60.5	63						
		bands, minor Pb Zn, Concentration of pyrite & magnetite in masses	1.5		63	65						
			1.0		65	67						
		between 58' - 60' 10% oxidization, highly fissile in sections	1.5		67	69						
		C. A. 65° @ 54'										
66	92.5 (28.19)	QUARTZ SERICITE SCHIST:	3.5		69	73						
			3.8		73	79					1	
		Grayish-buff color, medium hard fissile in sections, 20%	1.2		79	81						
		quartz, 80% sulphides- 1:1 ratio pyrrhotite to pyrite, 1%	1.8		81	84						
		magnetite, Negligible Pb-Zn	5.0		84	89						
			1.5		89	92.5						
		C. A. 60° @ 75' & 88'										

DIAMOND DRILL RECORD

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PROPERTY _____

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
92.5	37.79 124.0	QUARTZ SERICITE SCHIST:	1.4 2.5		92.5 94.0	94.0 97.0						
		Gray-buff banded coloration, medium soft, 10% pyrrhotite,	5.5 4.0		97.0 102.5	102.5 106.5						
		3% pyrite, occuring in quartz bands, negligible chalco, minor Pb-Zn, Magnetite and pyrrhotite highly magnetic. Bedding	4.0 1.6		106.5 110.5	110.5 113.0						
		undulating and showing drag folds. Rusty @ 112' - 113'. Quartz vein @ 120.5 - 122 and @ 123'.	0.5 3.5		113.0 115.0	115.0 119.0						
		C. A. 65° @ 94', 53° @ 104', 60° @ 109'	5.0		119.0	124.0						
124.0	59.95 196.7	QUARTZ SERICITE SCHIST:	0.7 5.0		124.0 126.0	126.0 138.5						
		Gray-buff in color, medium hard and brittle. Bedding highly	1.2 3.5		138.5 140.0	140.0 143.5						
		contorted with continuous drag folds ranging from 0.1' to 0.3' along length of core. Sulphide content increasing from 1%	10.0 7.0		143.5 153.5	153.5 160.5						
		to 20% towards 191.7 and decreasing to 10% @ 196.7. Sulphide mainly magnetic pyrrhotite with minor pyrite and spotty chalco	3.1 10.0		160.5 163.5	163.5 173.5						
		negligible Pb-Zn	1.7 8.0	55.93	173.5 175.5	175.5 183.5	1.5					
		C. A. 67° @ 139', 60-65° @ 150', 50° @ 167', 55° @ 180', 70° @ 189', 75° @ 190', 60° @ 192', & 195.5'.	5.0 3.2	134 135	183.5 188.5	188.5 191.7	5.0 3.2 0.9	Tr. .1	Tr. Tr.	.16 .16		
196.7	64.43 211.4	QUARTZ GRAPHITE-SERICITE SCHIST:	6.3 0.7		191.7 198.0	198.0 199.0						
		10% Quartz, 5% graphite, medium soft, medium gray colored, 0.5'	3.7 0.9		199.0 203.0	203.0 204.0						
		quartz veinlet @ 199.5, shear between 201.5 - 202.5' @ 35° to core with 0.3' of rusty gouge, minute drag folds & minor	3.5 3.9		204.0 207.5	207.5 211.4						
		pyrite mineralization, no Pb-Zn C.A. 55° @ 206', 60° @ 211'										

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

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CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
	65.99											
211.4	216.5	QUARTZ SERICITE SCHIST: 1	5.1		211.4	216.5						
		Buff colored soft, slightly fissile, less than 1% pyrrhotite										
	78.18											
216.5	256.5	QUARTZ SERICITE SCHIST:	2.2		216.5	219.0						
			4.0		219.0	223.0						
			9.0		223.0	232.0						
		Buff colored with dark bands of magnetic pyrrhotite, hard, 10%	6.0		232.0	238.0						
		quartz, 25% sulphides, (80% pyrrhotite).	0.4		238.0	239.0						
		From 220' - 236' & 10% from 236' to 256.6'. Scattered splashes	2.6		239.0	242.0						
		of chalco. Negligible Pb Zn Quartz vein @ 250' - 251.9'.	2.0		242.0	244.0						
		Drag folds common.	2.3		244.0	247.5						
			2.0		247.5	250.0						
		C. A. 60° @ 220', 50° @ 229', 66° @ 242', 65° @ 255'	0.5		250.0	251.0						
			5.5		251.0	256.5						
	86.26											
256.5	283.0	QUARTZ SERICITE SCHIST:	4.5		256.5	261.0						
			10.0	82.60	261.0	271.0	1.5					
		Sulphides increase from 12% @ 257' to 55% @ 266' and contains	5.0	140	271.0	276.0	5.0	Tr.	Tr.	.02		
		45% ~~pyrrhotite (?) to 281.~~ Pyrrhotite/pyrite ratio = 4/1.	5.0	141	276.0	281.0	5.0	Tr.	Tr.	.48		
		Pyrrhotite highly magnetic. 2 - 10% quartz stringers and	2.0		281.0	283.0						
		splashes of chalco in quartz and pyrrhotite. Numerous tiny folds,										
		intense movement shearing offsets and fracturing the latter										
		filled with pyrrhotite,										
		C. A. 63° @ 260.5, 72° @ 270', 67° @ 279'										
		or pyrite. Rock is siliceous, hard & brittle, 10% chloritized										
		Negligible Pb Zn										

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
283.0	102.56 336.5	QUARTZ SERICITE SCHIST:	18.0		283.0	301.0						
		Rock is similar to that of footage 256.5 - 283.0 except for a	19.0		301.0	320.0						
		lower sulphide content. - 35% and a higher silica content - up	10.0		320.0	330.0						
		to 40%	6.5		330.0	336.5						
		C. A. 62° @ 305', 54° @ 330'										
336.5	109.73 360.0	QUARTZ SERICITE SCHIST:	3.5		336.5	340.0						
		Rock is similar to that of footage 283 - 336.5 except sulphide	10.0		340.0	350.0						
		content has decreased to 20 and 15%, quartz about 15% and more	10.0		350.0	360.0						
		notably the pyrite is more dominant to pyrrhotite.										
		C. A. 60° @ 348'										
360.0	117.19 384.5	QUARTZ SERICITE SCHIST:	9.5		360.0	369.5						
		Siliceous, hard and brittle, gray buff color, undulating bedding	10.0		369.5	379.5						
		10 - 15% sulphides, 1/1 ratio's pyrite/pyrrhotite, 40% quartz	5.0		379.5	384.5						
		Minor chalco in scattered specks. Negligible Pb Zn										
384.5	124.11 407.2	QUARTZ SERICITE SCHIST:	5.0		384.5	389.5						
		15% Quartz, 3% pyrite - pyrrhotite occuring in widely separated	10.0		389.5	399.5						
		bands, No. Pb - Zn.	7.7		399.5	407.2						
		C.A. 50° @ 390', 68° @ 406'										

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
407.2	128.01 420.0	QUARTZ SERICITE SCHIST:		124.11			0.8					
		50 - 80% Sulphide replacement, pyrrhotite/pyrite ratio decreasing from 1/2 to 1/4. Banding indistinct as sulphide becomes massive. Pyrrhotite magnetic, increasing magnetite to 5%, Minor Pb Zn Cu	2.8	142	407.2	410.0	2.8	Tr.	1.0	.38		
			5.0	143	410.0	415.0	5.0 1.5	.1	.7	.46		
			5.0	144	415.0	420.0	5.0 1.5	Tr.	.6	.28		
		C. A. 70° to 60°										
		End of BX Core										
420.0	129.72 425.6	MASSIVE SULPHIDES:										
		80% pyrite, 10% pyrrhotite, 5% quartz, 1-2% Pb Zn disseminated. Pyrite massive, pyrrhotite in blotches, 0.1% Cu disseminated, 4% magnetite occuring in streaky bands.	7.0	145	128.01 420.0	425.6	1.71 5.6	.2	1.2	Tr.		
		C. A. 65° @ 421'										
425.6	130.76 429.0	QUARTZ SERICITE SCHIST:										
		Bleached white, medium soft, minor pyrite in bands at upper foot.	3.0		425.6	429.0						
		C. A. 42° @ 428'										

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
429.0	132.31 434.1	MASSIVE SULPHIDES:			130.76							
		75% Massive pyrite, 5% quartz, 12% Pb Zn, disseminated, no chalco.	4.9	146	429.0	434.1	1.55 5.1	3.7	5.1	1.12	.15	.02
		C. A. 55°										
434.1	134.11 440.0	QUARTZ SERICITE SCHIST:										
		Less than 5% quartz, negligible sulphide, bleached to greenish buff color.	5.9		434.1	440.0						
		C. A. 55° @ 435.5, 67° @ 438										
					134.11							
440.0	144.69 474.7	MASSIVE SULPHIDES:	3.5	147	440.0	443.5	0.9 3.5	.2	Tr.	.56		
			1.5	148	443.5	445.0	1.5 0.4	2.8	3.4	1.40		
		75% Sulphide in bands and masses. 10% quartz, 5% magnetite, occuring in bands, pyrite/pyrrhotite ratio = 3/1 1-2% Pb Zn dissemination	5.0	149	445.0	450.0	5.0 1.5	1.2	1.2	.52		
			5.0	150	450.0	455.0	5.0	.2	1.1	.32		
			5.0	151	455.0	460.0	5.0	.2	1.2	.40		
			5.0	152	460.0	465.0	5.0	.1	1.1	.44		
			5.0	153	465.0	470.0	5.0	Tr.	1.2	.36		
		C. A. 60° @ 462'	4.7	154	470.0	474.7	4.7 1.4	.1	.6	.30		

DIAMOND DRILL RECORD

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
474.7	155.90 511.5	QUARTZ SERICITE SCHIST:	2.3		474.7	477.0						
			5.6		477.0	483.0						
		12% pyrite and pyrrhotite in narrow bands, often	7.0		483.0	490.5						
		discontinuous. Pyrrhotite magnetic. 20% quartz, no chalco	8.0		490.5	500.5						
			10.3		500.5	511.5						
		C. A. 64° @ 483, 60° @ 505'										
511.5	157.18 515.7	QUARTZ SERICITE SCHIST:										
		Bleached white buff color, medium soft, 15% quartz, no	4.1		511.5	515.7						
		sulphides.										
		C. A. 76° @ 512'										
515.7	162.91 534.5	QUARTZ SERICITE SCHIST:	4.3	155	157.18 515.7	520.0	1.3 4.3	.2	1.0	.40		
			5.0	156	520.0	525.0	5.0 1.5	Tr.	1.0	.08		
		60% banded pyrite replacement, 30% quartz, 0.15% Cu occuring	5.0	157	525.0	530.0	5.0	Tr.	.6	.44		
		as splashes, veinlets and specks. 2% Pb Zn occuring in bands	4.5	158	530.0	534.5	4.5 1.37	.3	.5	.04		
		and scattered dissemination. 5% magnetite occuring in bands										
		sericite mostly replaced										
		C. A. 70° @ 517', 80° @ 530'										

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
534.5	164.80 540.7	QUARTZ SERICITE SCHIST:										
		534.5 - 537.0 35% pyrite, 45% quartz, 537 - 540.7 45% pyrite, 35% quartz. Higher grade Pb Zn. Average 10% Pb Zn, 2% magnetite sericite, mostly replaced.	6.2	159	162.91 534.5	540.7	1.88 6.2	2.7	4.7	1.32		
		C. A. 82° @ 540'										
540.7	166.94 547.7	QUARTZ SERICITE SCHIST:										
		As above, nearly all the sericite has been replaced, bedding not clear. Pyrite content increasing from 45% at 540.7 to 70% @ 545'. quartz decreasing from 30% to 10%, magnetite 1 - 4%, negligible chalco, .1% disseminated Pb Zn to 545' and 14% Pb Zn in last 2.7'	4.3	160	164.8 540.7	545.0	1.3 4.3	Tr.	1.0	.72		
			2.7	161	545.0	547.7	2.7 0.8	5.4	5.4	1.16		
			SPALDING COMPOSITE ON # 159-161 =								.15	.005
547.7	168.16 551.7	QUARTZ SERICITE SCHIST:										
		35% pyrite replacement in massive and banded mineralization, 15% quartz, 3% magnetite occuring in bands, 5% Pb Zn in scattered dissemination following schistosity or bands, negligible where pyrite is massive.	4.0	162	547.7	551.7	1.2 4.0	1.7	2.4	.72		
		C. A. 65° @ 551'										

DIAMOND DRILL RECORD

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____ CLAIM No. _____

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
551.7	169.98 557.7	QUARTZ SERICITE SCHIST:	2.3	163	551.7	554.0	0.7 2.3	.1	1.4	.86		
			1.5	164	554.0	555.5	1.5 0.4	.1	.7	.18		
		10% pyrite replacement occuring in scattered bands, often discontinuous, 1% magnetite, 2% Pb Zn in scattered dissemination occuring within quartz-pyrite bands.	2.2	165	555.5	557.7	2.2	1.4	2.1	.40		
							0.67					
557.7	171.51 562.7	QUARTZ GRAPHITE SERICITE SCHIST:										
		Medium grey, soft, 5% quartz, 1% graphite, 2% pyrite, pyrrhotite, no Pb Zn	5.0		557.7	562.7						
		C. A. 75° @ 560'										
562.7	172.24 565.1	QUARTZ SERICITE SCHIST:	2.4	166	171.51 562.7	565.1	0.7 2.4	1.3	2.1	.98		
		20% pyrite/pyrrhotite replacement occuring in discontinuous bands, 15% quartz. Pyrrhotite magnetic. 4% Pb Zn										
		C. A. 75 - 80°										
	172.97											
565.1	567.5	QUARTZ GRAPHITE SERICITE SCHIST:										
		Similar to 557.7 - 562.7	2.4		565.1	567.5						

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
567.5	173.52 569.3	QUARTZ SERICITE SCHIST:										
		30% pyrite occuring in bands with 15% quartz, 3% magnetite, 5% Pb Zn dissemination. 0.1% Cu in blotches	1.8	167	172.97 567.5	569.3	0.5 1.8	2.6	2.2	.22		
569.3	174.59 572.8	QUARTZ GRAPHITE SERICITE SCHIST:										
		Similar to 557.7 to 562.7 except more graphite - increasing to 40%, 8% pyrrhotite/pyrite. Negligible Pb Zn	3.5		569.3	572.8						
		C. A. 85° @ 572'										
572.8	175.84 576.9	QUARTZ GRAPHITE SCHIST:										
		Distinct bands of quartz and graphite. 25% sulphide, mineralization in quartz bands - magnetite pyrrhotite plus pyrite 5% Pb Zn	4.1	168	174.59 572.8	576.9	1.2 4.1	2.3	4.2	1.02		
576.9	177.51 582.4	QUARTZ GRAPHITE SCHST:										
		15% quartz - 10% pyrite & magnetic pyrrhotite, negligible Pb Zn, undulating bedding.	4.1 1.3		576.9 581.0	581.0 582.4						
		C. A. 65 @ 580'										

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Recovery	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Lead	Zinc	Silver	Copper	Gold
582.4	182.76 599.6	QUARTZ GRAPHITE SCHIST:	4.0		582.4	586.0						
			8.0		586.0	594.0						
		Black color, minor pyrite, magnetite, 10% quartz in bands.	3.0		594.0	597.0						
		Intense movement.	2.6		597.0	599.6						
		C. A. 75° @ 587.0'										
599.6	220.37 723.0	QUARTZ SERICITE SCHIST:	6.4		599.6	606.0						
			10.0		606.0	616.0						
		Medium gray to grayish green, 10 - 25% chloritized, negligible	3.7		616.0	620.0						
		sulphides - mainly pyrrhotite (magnetic) some pyrite, minor	3.0		620.0	623.0						
		magnetite. Slightly graphitic in sections. Undulating	7.6		623.0	630.5						
		bedding.	9.0		630.5	639.5						
			10.0		639.5	650.0						
		C. A. 77° @ 610', 86° @ 623', 80° @ 643', 81° @ 665',	7.8		650.0	660.0						
			0.5		660.0	661.0						
		70° @ 683', 73° @ 698', 80° @ 702', 80° @ 722'	10.0		661.0	671.0						
			8.5		671.0	679.5						
			5.5		679.5	685.5						
			5.0		685.5	690.5						
	723	END OF HOLE	7.5		690.5	698.0						
			3.0		698.0	701.0						
			5.0		701.0	710.0						
			0.0		710.0	720.0						
			3.0		720.0	723.0						
		REMARKS: 40 ft. of AXWL rods left in hole for water --- will not be taken out.										

DIAMOND DRILL RECORD

LOGGED BY M. SIROLA 0 -, 252.4 ft. FRED CHOW 252.4 -

PROPERTY SWIM LAKES "A" GROUP, Y.T.

D.D.H. No. A-5 PAGE 1

LATITUDE 14,475.63 N. BEARING OF HOLE S. 43° 41' W. STARTED July 17th, 1965.

DEPARTURE 60,102.93 E. DIP OF HOLE -60° COMPLETED Sept. 6, 1965

ELEVATION 3,529.60 ft. DIP TESTS @ 200' = 61° 15' DEPTH 648.0'
@ 500' = 65° 30'

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Gold	ASSAY Silver	ASSAY Lead	ASSAY Zinc	ASSAY Copper
0	66.0	OVERBURDEN: Pebbles of granitic rock, volcanics, quarts,	66.0	78.0	1.8									
	20.1	pyrite and sericite schist.	78.0	83.0	0.5									
66.0	78.0	QUARTZ SERICITE SCHIST with streaks and blebs of pyrite (1-3%) and chlorite: 35% oxidized; Banding at 50 - 70°	83.0	86.0	0.5									
	23.8	to core; 20° near 67 ft; minor dragfolds.	86.0	93.0	0.2									
78.0	83.0	QUARTZ SERICITE SCHIST: 10% oxidized; 1% pyrite; spots of chalcopyrite. CORE ANGLES 70°.	93.0	96.5	1.2									
	25.3													
83.0	86.0	QUARTZ SERICITE SCHIST: more quartzy; 3% pyrite; spots of chalcopyrite.	96.5	98.0	1.0									
	26.2													
86.0	93.0	QUARTZ SERICITE SCHIST: pebbly core as 83-86 ft; 10% pyrite.	98.0	105.0	0.2									
	28.3													
93.0	96.5	QUARTZ SERICITE SCHIST: as 83-93 ft.	105.0	111.0	1.3									
	29.4													
96.5	112.4	QUARTZ SERICITE SCHIST: 50% quartz as broad veinlets; last 0.5 ft. has 10% pyrite in ¼" bands parallel to	111.0	113.0	1.4									
	34.2	schistosity. CORE ANGLES 50°.	113.0	115.0	1.0									
112.4	114.5	MASSIVE PYRITE: 3% magnetite as occasional bands parallel to schistosity; prominent banding at 50°.	115.0	121.0	1.6									
	34.9													
114.5	141.0	QUARTZ SERICITE SCHIST: Pale grey, bleached, locally fissile. Quartz vein 122.9-123.5 ft. Massive pyrite	121.0	124.0	2.1									
	43.0	at 118 ft. containing chalcopyrite with minor galena; 2% pyrite locally leached. CORE ANGLES 53° @ 123 ft.	124.0	130.0	1.2									
141.0	143.0	MASSIVE PYRITE: 70% replacement of sericite schist; minor chalcopyrite.	130.0	134.0	2.3									
	43.6													
143.0	171.0	QUARTZ SERICITE SCHIST: Grey, locally bleached and fissile. 158.3-158.6' - 70% pyrite; 10% magnetite.	134.0	138.0	0.8									
	52.1	160.0-163.5 - 15% pyrite as sporadic bands.												
		163.5-171.0 - Sericite schist with bands of massive pyrite. CORE ANGLES 60-64°.	138.0	141.0	1.3									
			141.0	143.0	1.0									

DIAMOND DRILL RECORD

LOGGED BY _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	ASSAY Zinc %	ASSAY Copper
171.0	188.5	MASSIVE PYRITE: 90% replacement of schist; minor Pb. Zn. and Cu; Original schist almost obliterated;	143.0	144.0	0.7	974	171.0	175.5	4.5		0.28	0.75	1.06	
	57.4	gouge zone 182.5 - 183.0 ft.	144.0	146.0	0.5	975	175.5	180.0	4.5		0.44	0.85	0.91	
188.5	193.3	ZONE OF Pb. Zn REPLACEMENT: 30% pyrite; 20% Pb and Zn.	146.0	152.0	1.5	976	180.0	185.0	5.0		0.36	1.65	1.25	
193.3	206.0	MASSIVE PYRITE: 50% replacement of sericite schist; 3% combined Pb and Zn. occurring as sporadic 1/8" bands	152.0	157.0	3.6	977	185.0	188.3	3.3		0.42	1.70	2.93	
	62.8	and occasional clusters both in silicified matrix and in pyrite.	157.0	160.0	1.8	978	188.3	193.3	5.0	Trace	0.30	3.65	3.22	0.06
206.0	225.2	QUARTZ SERICITE SCHIST: 10% pyrite; local chloritic mm mottling; drag folding @ 213.5, 218.5 223.5 ft; 1"	160.0	162.0	1.0	979	193.3	198.0	4.7	Trace	Trace	0.70	0.67	0.16
	68.6	vein quartz @ 215.0; 15% Pb and Zn from 219.2-219.4 ft; AVERAGE CORE ANGLES 50°.	162.0	166.0	4.0	980	198.0	202.0	4.0		0.24	0.90	0.10	
225.2	226.4	Pb & Zn REPLACEMENT: 10% Pb. & Zn., 0.2% Cu., 30% banded pyrite replacing crenulated sericite schist; no	166.0	170.0	2.0	981	202.0	206.0	4.0		Trace	0.50	Trace	
	69.0	silicified matrix.	170.0	171.5	1.5	982	225.2	226.4	1.2		0.98	8.75	0.67	
226.4	252.4	QUARTZ SERICITE SCHIST: Average pyrite content 10% as 1/16" - ¼" bands parallel to schistosity; minor post-	171.5	175.5	4.0									
	76.9	pyrite faulting with cementation by quartz. 236-238 ft. - Pb and Zn (less than 1%) as 1/16" bands	175.5	182.5	7.0									
		and small blebs in highly crenulated sericite schist; 0.2% Cu in quartz; 5% buff coloured carbonate veinlets	182.5	184.0	1.5	983	252.4	256.5	4.1		0.52	0.50	Trace	
		throughout section. CORE ANGLES 50 - 55°.	184.0	186.0	2.0	984	256.5	262.0	5.5		0.48	0.35	Trace	
252.4	281.0	MASSIVE PYRITE: 90% replacement of sericite schist; minor blebs and stringers of Pb and Zn from 252.4 -272ft;	186.0	188.0	2.0	985	262.0	268.0	6.0		0.10	0.20	0.53	
	85.6	blebs and bands of Pb and Zn from 272 - 281 ft.	188.0	198.0	9.1	(Check--011) 986	268.0	272.0	4.0		0.66	1.0	0.3	
							268.0	272.0	4.0		0.52	0.50	1.54	
		SLUDGE SAMPLE # 989 270 - 280 FOOTAGE.	198.0	202.0	3.6	987	272.0	276.0	4.0	0.02	Trace	1.10	1.64	0.12
						(Check--012)	272.0	276.0	4.0		Trace	1.4	1.6	
			202.0	206.0	2.3	988	276.0	281.0	5.0	Trace	Trace	0.05	1.20	1.14
						(Checked by Williams) 988	276.0	281.0		0.00	0.60	Trace	0.75	

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	ASSAY Zinc %	ASSAY Copper
281.0	291.0	50% Pyrite replacement; 50% quartz; no sericite; minor Pb and Zn.	206.0	214.0	7.1	(Sludge) 989	270.0	280.0	10.0		0.10	0.2	0.2	
	88.7	SLUDGE SAMPLE # 990 280 - 290 FOOTAGE.	214.0	216.0	1.5	(Sludge) 990	280.0	290.0	10.0		0.40	0.2	0.4	
291.0	297.0	MASSIVE PYRITE: 90% replacement by pyrite of sericite	216.0	223.0	5.1	(Re-run) 992	276.0	281.0	5.0		SPALDING 1.50	4.6	AUG 27/65 3.0	.07
	90.5	schist, recrystallized quartz crystals and probably recrystallized pyrite in medium-sized crystals; some	(Checked by Williams) 223.0	229.0	5.0	992 993	276.0 281.0	281.0 291.0	5.0 10.0		1.72 0.26	4.57 0.2	2.25 0.6	.07
		galena in clusters; 1-2% Pb. Zn.				(Sludge)			88.7					
		SLUDGE SAMPLE # 991 290 - 300 FOOTAGE	229.0	235.0	5.7	991	290.0	300.0	10.0		0.18	0.1	0.4	
297.0	303.0	Pb.-Zn in clusters within medium-grained, vuggy,	235.0	242.0	6.0	994	291.0	297.0	6.0 1.8		2.74	5.1	6.7	.25
	92.3	massive pyrite. 7% combined Pb-Zn; 40° core angles.	242.0	250.0	6.4	995	297.0	303.0	6.0 1.8		2.26	7.2	9.6	.15
303.0	306.0	100% pyrite replacement in medium-grained crystals;	250.0	251.5	1.5	992-995 (COMPOSITE)				0.04				
	93.3	vuggy and abundant open seams; 35° core angles. (BX core 302 - 306 ft.)	251.5	253.0	1.4	996	303.0	306.0	3.0 .91		3.20	7.1	7.6	.32
306.0	319.0	MASSIVE PYRITE: 60% pyrite replacement of sericite schist;	253.0	255.0	1.8	001	306.0	312.0	6.0 1.8		1.48	3.9	3.9	0.52
	97.2	contains 10% magnetite in bands to footage 315 ft. Combined Pb and Zn = 3-4%; occur in bands, clusters	255.0	256.5	1.5	002	312.0	315.0	3.0 .91		1.76	4.5	4.1	0.60
		and blebs; minor chalcopyrite; some crystals of	256.5	260.5	4.0	003	315.0	320.1	5.1 1.5		5.92	17.7	5.2	Trace
		selenite (?) at 314 ft. Core shows 20% open seams and vugs to 319 ft., but no rust. Pyrite mainly	260.5	262.0	1.5	(COMPOSITE BY SPALDING ON 01, 02, 03.) 01 - 03	306.0	320.1	14.1	0.02				
		fine-grained with some medium-grained crystals. Core angle varies from 55° at 310 ft. to 40° at							1.5					
		313 ft. and to 35° at 319 ft.	262.0	264.0	1.0	004	320.1	325.0	4.9		0.40	1.1	0.4	
319.0	329.0	MASSIVE PYRITE: 95% pyrite replacement of sericite	264.0	268.0	3.5									
	100.3	schist. Occasional spot or streak of Pb-Zn except between footages 319.0-320.1 (8-10% combined Pb&Zn)	268.0	272.0	1.0	005	325.0	330.0	5.0 1.5		0.72	1.5	1.3	
		and 326.0- 326.5 ft. (2-3% combined Pb & Zn). Banding not prominent.	272.0	276.0	1.0									

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	ASSAY Zinc %	ASSAY Copper
329.0	356.4	MASSIVE PYRITE: 95% pyrite replacement of sericite	276.0	281.0	2.0	013	330.0	335.0	5.0 1.5		0.60	0.7	0.4	
	108.6	schist; pyrite fine-grained. Negligible Pb-Zn	281.0	290.0	0.9	014	335.0	340.0	5.0 1.5		1.12	2.6	1.6	
		except between footages 334.5-339.5 show blebs throughout; 1% Pb and Zn. Occasional splash	290.0	295.0	0.8	015	340.0	345.0	5.0 1.5			Trace	0.2	
		of chalcopyrite. Shows no banding nor schistosity.	295.0	297.0	0.2	016	345.0	350.0	5.0 1.5		0.44	0.3	0.2	
356.4	367.8	MASSIVE SULPHIDES: 80% pyrite replacement of	297.0	299.5	0.6	017	350.0	356.4	6.4 1.9		0.44	0.3	0.3	
		sericite schist, fine-grained Pb and Zn (10% combined)				(COMPOSITE BY SPALDING ON 018, 019)								
	112.1	in bands and disseminated, fine-grained magnetite				018-019	356.4	367.8	11.4	0.02				
		not prominent. CORE ANGLES: 70° @ 359 ft.	299.5	302.0	0.8	018	356.4	362.0	5.6 1.7		1.60	3.9	4.9	0.01
		55° @ 364 ft.												
		not distinct.	302.0	306.0	2.0	019	362.0	367.8	5.8 1.8		1.12	6.3	3.3	0.07
367.8	383.0	QUARTZ-SERICITE SCHIST: Zone is highly brecciated	306.0	312.0	0.7	020	367.8	372.0	4.2 1.3		1.38	0.3	0.6	
	116.7	to footage 377.5, shows no evidence of folding.												
		Talc at 377 ft; pyrite 7%, occur irregularly;	312.0	314.0	1.1	021	372.0	377.0	5.0 1.5		0.16	Trace	0.3	
		minor Pb-Zn. Thinly laminate schist between												
		377.0 - 380.0.	314.0	315.0	0.4	022	377.0	383.0	6.0 1.8		0.22	0.3	Trace	
383.0	399.8	QUARTZ-SERICITE SCHIST: 40-50% pyrite plus 5-10%	315.0	321.0	2.1	023	383.0	388.0	5.0 1.5		0.68	1.2	1.5	
	121.8	pyrrhotite replacement of sericite schist. Pb and Zn												
		(4-5% combined) disseminated and in streaks, abundant	321.0	324.0	0.5	024	388.0	393.0	5.0 1.5		1.76	1.3	0.7	
		(7-9% combined) between 393.0 - 398.5 ft; Cu (0.2%)												
		occurs in fractures and along schistose planes,	324.0	326.5	2.1	025	393.0	398.0	5.0 1.5	0.01	1.74	3.6	6.5	0.03
		irregular in core. Contorted bedding at 394.5 ft.												
		CORE ANGLE: 60°.	326.5	329.0	2.0	026	398.0	399.8	1.8 .5		1.70	2.6	4.7	0.15
						(COMPOSITE BY SPALDING ON 025, 026)								
399.8	414.7	QUARTZ-SERICITE SCHIST: Brecciated and metamorphosed	329.0	334.0	5.0	025-026	393.0	399.8		0.01				
	126.4	schist, 10% pyrite, no Pb-Zn-Cu.												
		(a) Brecciated-Recemented-chloritized:	334.0	335.0	1.0	027	399.8	401.0	1.2 .36		0.28	0.2	0.5	
		80% quartz, 10% chlorite, between footages												
		399.8-401.7, 407.8-409.6, and 412.0-414.7 ft.												

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	ASSAY Zinc %	ASSAY Copper
		(b) Metamorphosed-silicified: 90% quartz, pyrite in discontinuous, wavy, irregular bands 1/16" to ¼" wide, between footages 401.7 - 407.8 and 409.6 - 412.0 ft.	335.0	338.0	3.0									
			338.0	340.0	2.0									
						(COMPOSITE BY SPALDING ON 028,029)				0.01				
			340.0	345.0	5.0	028-029	414.7	422.8						
414.7	422.8	QUARTZ-SERICITE SCHIST: 30% pyrite replacement of sericite schist. Pb and Zn (4-6% combined) occur in	345.0	350.0	5.0	028	414.7	418.0	3.3	0.01	2.78	1.6	6.4	0.12
	128.9	bands and also disseminated, magnetite (5-10%) as clusters, bands and disseminated. Bands undulates from 30° to 55°,	350.0	352.0	1.4	029	418.0	422.8	4.8		1.28	1.5	4.5	0.15
		highly irregular.	352.0	354.0	2.0									
422.8	430.0	QUARTZ-SERICITE SCHIST: 15-20% pyrite replacement occurring in irregular, undulating bands. Negligible	354.0	358.0	3.5									
			358.0	362.0	4.0	030	422.8	424.2	1.4		0.60	1.0	0.2	
	131.1	Pb-Zn. Chloritized 5% of core, follows banding.	362 .0	372.0	9.5									
			372.0	377.0	4.8	031	424.2	430.0	5.8		0.40	0.2	0.1	
430.0	447.6	QUARTZ-SERICITE SCHIST: Brecciated and metamorphosed schist, 10-20% pyrite, no Pb-Zn, similar to footages	377.0	384.0	6.3									
			384.0	390.0	6.0									
	136.4	399.8 - 414.7 ft. Metamorphosed and Silicified:	390.0	398.0	8.0									
			398.0	408.0	9.7									
		between footages 430.0 - 433.0, and 434.8 - 444.0.	408.0	418.0	10.0									
			418.0	419.0	0.5									
		Banding undulating, irregular, 45° - 90°; 85% quartz.	419.0	426.0	7.0									
		Small fold at 438.0 ft; talc at 442.0 - 444.0 ft.	426.0	427.0	0.4									
		Brecciated and Recemented: between footages 433.0 - 434.8 and 444.0 - 447.6 ft.	427.0	430.0	2.6									
		70% quartz and 20% pyrite in irregular patterns.	430.0	439.0	8.4									
			439.0	444.0	5.0									
447.6	457.0	BRECCIATED QUARTZ IN MASSIVE PYRITE: - Transition Zone.	444.0	454.0	9.5	032	447.6	452.0	4.4		0.24	0.1	0.6	
	139.3	Gradual transition from 30% quartz in discontinuous,												
		irregular shaped bands to 50% quartz in irregular shapes	454.0	464.0	10.0	033	452.0	457.0	5.0		0.36	Trace	0.4	
		within massive pyrite. Movement parallel to core - slickenside at 457.0 ft. Minor Pb-Zn mineralization.												

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	ASSAY Zinc %	ASSAY Copper
457.0	488.0	MASSIVE PYRITE: 95% pyrite replacement. Negligible to				034	457.0	462.0	1.5 5.0		0.52	Trace	0.5	
	148.7	minor Pb-Zn-Cu. Slickenside 457.0 - 460.0 ft., fractures undulating lengthwise along core.	464.0	472.0	8.0	035	462.0	467.0	1.5 5.0		0.60	Trace	0.2	
			472.0	480.0	8.0									
488.0	495.5	QUARTZ-SERICITE SCHIST: 60% pyrite replacement of	480.0	488.0	7.4	036	467.0	472.0	1.5 5.0		0.72	0.1	0.2	
	151.0	sericite schist as indistinct bands; Pb-Zn (10-12% combined) in indistinct bands, streaks and occasional	488.0	496.0	7.6	037	472.0	477.0	1.5 5.0		0.88	0.1	0.3	
		clots; 1-2% pyrrhotite, 5% magnetite indistinct. CORE ANGLES: 85° at 489 ft. 60° at 495.5 ft.				038	477.0	482.0	1.5 5.0		0.72	Trace	0.3	
						039	482.0	488.0	1.8 6.0		0.68	0.5	1.1	
495.5	502.2	GRAPHITIC SCHIST: Dark to medium grey, thinly				040	488.0	490.5	.8 2.5	0.005	1.60	1.0	6.7	0.30
	153.1	laminated in 1/16" - 1/8" bands, upper 6" bleached. 10% pyrite in streaks and bands following foliation.				041	490.5	495.5	1.5 5.0		2.28	1.7	5.0	0.18
		No Pb-Zn mineralization. Quartz occur as ½" - 2"							2.0					
		veinlets at 497.0 ft. and 499.0 ft. Numerous small	496.0	500.0	2.0	042	495.5	502.2	6.7		0.20	Trace	Trace	
		faults along core showing 1/8" - ½" displacements							2.2					
		with accompanying drags; faults at 20 - 50° to core				043	502.2	509.3	7.1		0.56	1.0	1.7	
		and cross banding at 60 - 80°.												
						(COMPOSITE BY SPALDING ON 040,041)								
						040-041	488.0	495.5		0.005				
502.2	509.3	GRAPHITIC SCHIST: dark to medium grey, thinly	500.0	508.0	7.0									
	155.2	laminated bands alternating with quartz-sulphide bands. 40% quartz, 10% pyrite-pyrrhotite, 2 - 3%												
		Pb and Zn combined (mainly Zn), minor Cu, 5% magnetite. Drag folds at 508.0 - 509.0 ft.												
		CORE ANGLE: Changing from 65° at 503.0 ft., to 45° at 507.0 ft.												

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	ASSAY Zinc %	ASSAY Copper
509.3	521.5	GRAPHITIC SCHIST: Dark to medium grey, thinly laminated,	508.0	517.0	8.6									
	158.9	numerous quartz stringers and veinlets throughout, generally in small folds, 2% pyrite-pyrrhotite in clots	517.0	522.5	5.0									
		and bands. Minor Pb-Zn in clots and streaks. 516.0 - 521.0 ft. chloritized 5%.												
		CORE ANGLE: 70° at 510.0 ft., 60° at 520.0 ft., and undulating.												
521.5	538.7	QUARTZ-SERICITE SCHIST:	522.5	533.0	10.5	044	158.9 521.5	523.4	1.9 .6	0.01	1.20	2.2	1.5	0.07
	164.2	521.5 - 523.4 - contact zone, bleached and fractured. Minor Pb-Zn-Cu as streaks in fractures	533.0	540.0	5.0									
		and along bedding, 5% pyrite.				045	523.4	526.1	2.7 .8	0.005	2.20	1.0	6.5	0.15
		523.4 - 526.1 - disseminated sulphides: 25% pyrite, 10-12% combined Pb-Zn, and 10% magnetite. Schistosity at 70-80° to core.				046	526.1	528.0	1.9 .6		0.32	0.2	0.7	
		526.1 - 538.7 - Irregularly spaced sulphide and mag. bands. Average 10% pyrite and 0.5% Pb-Zn, minor Cu. Undulating bands				047	528.0	533.0	5.0 1.5		0.86	1.5	1.5	
		on schistosity varies from 75° at 528' to 65° at 534 ft. and 45° at 538 ft.				048	533.0	538.7	5.7		0.18	0.2	0.4	
		Small folds and faults throughout.							1.7					
538.7	554.5	GRAPHITIC SCHIST: Dark grey to black, laminae 1/32"	540.0	548.0	6.0	049	538.7	544.0	5.3 1.6	0.01	1.18	2.5	3.2	0.07
	169.0	to 1/8" thick, interbedded with quartz-sulphides. Drag folds and small faults throughout.												
		538.7 - 544.0 - 20% pyrrhotite and pyrite, 1-2% combined Pb-Zn, negligible Cu.	548.0	558.0	2.3									
		544.0 - 554.5 - 8% pyrite and pyrrhotite, minor Pb-Zn, negligible Cu.												

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	ASSAY Ozs/T Silver	ASSAY Lead %	ASSAY Zinc %	ASSAY Copper
		CORE ANGLES: 60° at 538.0 - 544.0 ft. 50° at 549.0 ft.												
554.5	568.0	GRAPHITIC SCHIST: Dark grey to black, thinly laminated 1/32" - 1/8" thick. 1/32" fractures crossing bedding and filled with quartz plus pyrite. Later stage of movement along bedding shows 1/8" offset and drag of quartz filling. Movement more intense also more quartz intrusion at contact with chloritic schist at 568.0 ft. CORE ANGLES: 88° at 559 ft., 60° at 556 ft., 90° at 565 ft	558.0	565.0	2.0									
	173.1		565.0	570.5	2.5									
568.0	648.0	CHLORITIC SCHIST: Greyish-green in colour, soft, uniform texture. From contact at 568 ft. to 585 ft., minor fracturing with quartz intrusions as veinlets. No sulphides except in quartz sections which show minor pyrite and pyrrhotite at contact and footages 612, 615, 617.5, 626 - 629, 635, 639 and 643 ft. Faint banding by 1/64" wide quartz along foliation.. CORE ANGLES WITH SCHISTOSITY: increases from 55° at 572ft., to 80° at 641 ft.	570.5	576.0	3.1									
	197.5		576.0	578.0	2.0									
			578.0	585.0	3.8									
			585.0	591.0	4.0									
			591.0	599.0	8.0									
			599.0	604.0	5.0									
			604.0	607.0	1.5									
			607.0	616.0	8.7									
			616.0	620.0	3.5									
			620.0	625.0	2.5									
			625.0	635.0	8.8									
		END OF HOLE AT 648 ft.	635.0	643.5	8.0									
			643.5	648.0	3.5									

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		HOLE CAVING AT FOOTAGES: 150 - 155, 270 - 306, 301 - 314 and 319 feet.
		HOLE MADE WATER AT FOOTAGES: 190, 254 (likely to 315) ft.
		HOLE CEMENTED AT FOOTAGES: 297 and 315, both times seeped away.
		HOLE FROZE AT FOOTAGES: 8 - 35 ft., permafrost deeper.
		NOTE:- FAIR VOLUME OF WATER OVERFLOWING TOP OF CASING UPON COMPLETION OF HOLE. PRESSURE AND VOLUME STARTED TO DECREASE AFTER THREE DAYS CONTINUOUS PUMPING, ENOUGH FOR USE ON ONE DRILL.
		CASING LEFT IN HOLE: 270 ft. AX, Casing broke off 42 ft. from collar.

(Sample checks by J.R. Williams)

SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Copper
011	268.0	272.0	4.0		0.84	1.36	0.095	
012	272.0	276.0	4.0		0.94	1.48	0.77	
992	276.0	281.0	5.0		1.72	4.57	2.25	
986	268.0	272.0	4.0		0.70	0.51	0.73	
987	272.0	276.0	4.0		0.50	0.89	1.97	
988	276.0	281.0	5.0		0.60	Trace	0.75	