5-70

KNOX MINING CORP.

DRILL HOLE LOG

Deposit: Area 5
Drill Hole: 5-70
Logged by: H. M. Barker
Date: 1972
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Deposit	Town	Co.	Lease No.	Hole No=Coordinate		Collar Elev.	Angle	Azimuth
				1,2,2,0,1	1,6,0,9	2,3,6,3	9,0	

Depth (1"=40') | 20 40 60 80 100 % Sulfide (visual)

Depth	Drill Hole No.	From	To	Ore Type	%Ni	%Cu	%Co	%Fe	%S	Au	Ag	Deposit	Description
0	1,2,2,0,1												0-72.6 overburden - glacial till
													AX Core Below
till													
5-73 01													72.6-101 fmg cumm gabbro (loc cuerilic)
													65% plag asic-patch, 25% cumm patch, 5-10% aug
													hbl subophitic clots rfg, 5-10% bio, 72.6-76 fg, more
													bio rich (10-15%) wall schinclis: plag musc, chl-epi,
													gar, qtz? (fg pyr in aggregates); loc rextz, 77-
													83 broken core, but wall other than Fe stain
72.6													(77-80, 83-84 wrebss)
fmg-mg gab		101-138	fmg, mg gabbro, pegmatite	1,0,5,0	1,6,8,0		1:0,9:7	0:1,0:0	0:0,9				
3-101 021													70% gabbro: 60% plag patch-asic, 20% cumm chl near
													peg-patches, 15-20% bio, 5% rfg aug-hbl; have
													30% bio repl aug hbl near peg; some rfg gabbro
101													chill zones mixed in, sugary kfs not reactive, loc zones
frg, mg gab, peg													as above unit away from contacts, 110-111 cg, rextz,
1-138 025													w cumm, bio repl hbl; 30% peg: ksp, plag, bio,
													qtz, loc chl
													3% sulfides, loc cp, po veins, segs, strong
													mag
138													
form. qtz carbons													
38-154 021		138-153.5	fg cumm gabbro	1,3,8,5	1,5,3,5		0:2,1,5	0:1,7,6	0:0,1				
153.5													50% gabbro: 60% plag and 20% cumm rfg asic-patch,
fg cumm gab													5-10% hbl-rfg clots, 15% bio fg segs, loc sericite
													alt of gab near schinds, 50% schinclis: plag, bio,
.54-211 021													musc, int, graph qtz, loc gar, sunbursts of tourm at
													144.5. loc qtz-plag-calc vns throughout, loc pyr in
													qtz
													2-3% cp, po fg dissem in inclis, mod-strong mag
210.8													
msv sulf		153.5-210.8	fg cumm gabbro (loc mg)	1,6,8,5	1,7,3,0		0:0,9,2	0:1,6,5	0:0,1,3			1:4,7	
211-232 05				1,7,3,0	1,8,3,0		0:0,9,1	0:0,5,3	0:0,1,5			1:4,5	65% plag and 25% cumm as asic patches, loc brn anthig
				1,8,3,0	1,9,2,0		0:1,9,0	0:0,2,2	0:0,7,4			2:8,8	10% rfg hbl clots, mg zone are not due to rextz, local
232				1,9,2,0	2,0,2,0		0:0,6,1	0:0,4,5	0:0,1,3			0:8,1	features: rextz, 10% bio repl hbl; plag, bio, musc, peg
fg cumm gab msv sulf				2,0,2,0	2,1,0,5		0:1,4,6	0:0,8,6	0:0,2,0			2:2,6	vns; bio-chl after cumm segs; Schinclis: plag, bio
232-260 05													graph, aap 195-210, ilm segs.
													2% sulfides above 173 - strong mag, 173-182 have 5%
260													
.60-265 05													sulfides - weak to strong mag; sulfides occur as vns
265 mg cumm gab													
		210.8-232	msv sulfides	2,1,0,5	2,1,6,0	5.5	1.9,0,2	0:8,7,5	0:2,0				T.R.N.I.L. See Note, Page 4
				2,1,6,0	2,2,1,0		2.0,6,4	0:7,1,8	0:2,1	5.6:0,1	3.3:9,7		See Note Page 4.
				2,2,1,0	2,2,6,0		1.9,8,3	0:8,3,1	0:2,0				
				2,2,6,0	2,3,2,0	5.0	2:0,0,7	0:5,1,0	0:2,0				

↓ Cont.

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Deposit	Town	Co.	Lease No.	Hole No=Coordinate		Collar Elev.	Angle	Azimuth
				1,2,2,0,1	1,6,0,9	2,3,6,3	9,0	

Deposit Area 5
Drill Hole 5-70
Logged by H.M. Parker
Date 1972
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Depth (1"=40') | % Sulfide (visual) 20 40 60 80 100

Depth	Description	Drill Hole No.		From	To	Ore Type	%Ni	%Cu	%Co	%Fe	%S	A V	Deposit
265	232-260 fg cumm gabbro, msv sulfides	1,2,2,0,1	1,6,0,9	2,3,2,10	2,3,7,10		1:1,21	1:4,11	01:1				
	60% gabbro: 65% plag, 25% cumm, 10% hbl - subophitic			2,3,7,10	2,4,3,10	6.0	0:8,61	0:8,31	010.9				
	mg very mafic gab, clots; interlocking tex; loc rextz, cumm segs; vert fracs			2,4,3,0	2,4,7,10	A.0	1:8,71	0:3,21	01:1.9			N.L. See Note Page 4	
	w greenish limonite coats			2,4,7,10	2,5,1,10	A.0	0:8,81	1:9,61	010.9			T.R.	
	40% stringer, loc msv sulfides, mg mod mag, po, cp			2,5,1,10	2,5,6,10		1:8,71	0:2,41	01:1.8				
305-328 05 vert fracs	as veins, segs			2,5,6,10	2,6,1,10		1:4,81	0:3,31	01:1.5	5,01:5	1:6,11	0:7.8, 0:1.6	
	260-265 mg cumm gabbro, sulfides			2,6,1,10	2,6,6,10		0:5,01	0:7,81	01:0.5				
327.5	5½" plag, 35% cumm, 15% hbl segs, vfg clots in cumm			2,6,6,10	2,7,2,10	6.0	0:5,91	0:1,91	010.6				
328-338 04 contact 338.5	sulfides as above												
338													
	265-327.5 mg v mafic gabbro - peridotite			2,7,2,10	2,7,7,10		0:6,21	0:2,81	01:0.7				
	80% cumm local to chl, 20% hbl pink-green w cumm, loc			2,7,7,10	2,8,2,10		1:2,91	0:1,51	01:1.3	1,17.0	1.1,18	0:5.2	
	clots, 10-15% loc plag, loc 20% blk "mag" oli, bottom 2'			2,8,2,10	2,8,7,10		0:9,81	0:7,31	01:0.9				
338-478 021	anthro repl cumm, few hbl specs remain, where cumm has			2,8,7,10	2,9,2,10		1:5,01	0:1,71	01:1.4				
	all to chl anthro does not repl.			2,9,2,10	2,9,7,10		0:6,91	0:2,21	01:0.7				
	30% sulfides, 1-2" stringers gen weak to non mag			2,9,7,10	3,0,2,10		0:8,91	0:1,61	01:0.9				
	few mag zones, some blebs also; mg po, cp as stringers			3,0,2,10	3,0,7,10		1:1,13	0:6,41	01:1.1				
	w po, although some po blebs appear to have no cp.			3,0,7,0	3,1,7,10	1.0	0:6,21	0:2,41	01:0.6				
395.5 contact 401	vert fracs have loc Fe stain, cp on some fracs indicates	5,6:4,8,9	2,1:1,3,5	3,1,7,10	3,2,7,5	10.5	0:8,21	0:1,71	01:0.8	6,61:5	0:8,15	0:3.2, 0:0.8	
	primary?												
	327.5-338.5 m-cg pegmatite			3,2,7,15	3,3,3,15		0:3,51	0:4,91	01:0.4				
	ksp? (cloudy wh), qtz, plag?, bio musc, peg, few mafic			3,3,3,15	3,3,8,5		0:0,21	0:0,12	01:0.1				
426	gabbro incls w usual reaction; unable to measure upper												
	contact dip - obscured by core splitting, lower contact dips												
	50°												
	5-10% sulfides, loc veins - msv, cp as stringers w												
456	mag fmg po; also some segs present												
466													
	338.5-395.5 fg cumm gabbro			3,8,4,10	3,9,3,10		0:0,51	0:0,31	01:0.1		1:1,13		
478' 477.7	60% plag and 25% cumm as c pakhas, 15% hbl aug rfg			3,9,3,10	3,9,8,10		0:2,21	0:0,71	01:0.2				
cherty vns 483	clots, tr bio, loc rextz, loc schlnds, loc ksp?												
485.5	plag, qtz bio, musc peg; 363-365 m-cg rextz (similar												
490	to peg) gabbro incls: 65-70% plag, suggary, 20% bio												
478-502 025	5-10% hbl rfg inst xtls - 5% po, cp fg dissem blebs; 393-												
502 Footwall 502	395 schlnd nearbot w cp, mt, po, dissem vnlts,												
502-528 03	this could be rextz gab?												
	1-2% sulfides overall												
528													
	395.5-401 m-cg pegmatite												
	plag, qtz, bio; loc gab incls of usual type, upper												
	contact obscure, lower contact 70°												
	401-408.5 mg cumm gabbro (peg matite veins loc)												

Depth: peg; mg very mafic gab, pd; peg; mg cumm gab; fg cumm gab; m-cg cumm gab, peg; fg cumm gab; m, m-cg gab; pd; sg gab; (mg dis peg, bell, pyrox); sch; bottom

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Deposit	Town	Co.	Lease No.	Hole No = Coordinate		Collar Elev.	Angle	Azimuth
				12201	1609	2363	90	

Depth (1" = 40') | 20 40 60 80 100 % Sulfide (visual)

Description	Drill Hole No.		From	To	Ore Type	% Ni	% Cu	% Co	% Fe	% S	Deposit
401-408.5 cont'd: 60% plag, 25% cumm, 10% hbl suboph clots, 5% bio repl hbl segs - increasing bio within 3" of upper pegmatite	12201	1609									
408.5-426 fg cumm gabbro 60% plag asic, 25% cumm as patches, 10% hbl vfg clots, loc rextz cumm alt to antho, have 5-10% bio; loc m-cg plag qtz bio peg w bio reaction near gabbro 1-2% sulfides, loc po vnlts - mag, and assoc w mt graph schnlts, trep vnlts separate from po but in incls			4175	4245		0.114	0.075	0.02			
426-456 m-cg cumm gabbro, pegmatite 50% gabbro; 65% plag and 20% cumm as patches 15% bio - 1/8" segs repl hbl, < 5-10% hbl (loc suboph clots where have less bio); 50% peg: ksp, plag qtz, bio w loc musc, m-cg 2% sulfide blebs in peg, gabbro incls in peg, po is strong mag, cp included w po in blebs			4440	4490		0.325	0.163	0.03			
456-466 fg cumm gabbro 65% plag, and 20% cumm/antho as patches, 15% hbl clots, rextz loc w up to 10% bio, and cumm intergrowths or repl hbl 1% sulfide-oxide blebs (mt) w oxides rimming strong mag sulfide			4590	466		0.056	0.046	0.013		1.019	
466-477.7 m, m-cg gabbro 65% plag asic, 25% cumm patches, 10% hbl suboph clots, loc plag, ksp, qtz, bio musc peg w loc vns of mag po, loc pd as below 10% mod mag dissem po, no cp except in larger blebs			4660	4760		0.475	0.144	0.04			
			4760	4860		0.183	0.107	0.03			
477.7-483 peridotite 80% cumm-tale (loc alt to antho), 20% hbl (also loc alt to antho) 5% strong mag sulfides, intergrown po, cp small inst blebs; some 1" blebs											
483-485.5 fg cumm gabbro 70% plag asic, 25% dk grn asic cumm/hbl, 5% bio as small segs, diabasic tex, slightly alt, bottom contact irregular, Cherty vns at top 20° dip											
485.5-490 f, mg diorite? 70% plag cloudy, patchy rextz, 30% hbl, tr cp, po inst			4860	4960		0.081	0.270	0.02			

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Deposit	Town	Co.	Lease No.	Hole No=Coordinate		Collar Elev.	Angle	Azimuth
				1,2,2,0,1	1,6,0,9	2,3,6,3	9,0	

Depth (1"=40') | % Sulfide (visual) 20 40 60 80 100

Description	Drill Hole No.		From	To	Ore Type	%Ni	%Cu	%Co	%Fe	%S	Deposit
490-502 pegmatite, tactite or pyrox?	1,2,2,0,1	1,6,0,9	4,9,6,10	5,0,2,10		0.361	0.277	0.08			
ksp peg (nothing but ksp), poorly formed xtls, mixed w											
qtz carb tactite or anth bio hbl pyrox											
5% sulfide blebs, vnst, 2" vns, cg, magnetic,											
cp, po together and separate, higher than normal cp											
502-528 schist											
plag, bio, (musc-chl) qtz gar, w plag-qtz segs											
more gneissic 502-512, some rutz to fg bio plag											
diorite here, 40-50° fol.											
Note SUDBURY ASSAYS											
Intv. Fe S Au Ag Pt group											
210.5-216 Nil 0.02 0.003											
216-221 58.03 35.92											
243-247 Nil											
LAKEVIEW ASSAYS											
210.5-216 <0.002 0.19 <0.002 each for Pt, Pd, Rh											