5-86

KNOX MINING CORP.

DRILL HOLE LOG

Deposit: Area 5
Drill Hole: 5-86
Logged by: H. M. Parker
Date: 1972
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Deposit	Town	Co.	Lease No.	Hole No = Coordinate		Collar Elev.	Angle	Azimuth
				1,1,8,0,6	1,4,0,9	2,3,3,6	9,0	

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

Depth	Description	Drill Hole No.		From	To	Ore Type	% Ni	% Cu	% Co	% Fe	% S	Deposit
0	0-64 overburden - glacial till	1,1,8,0,6	1,4,0,9									
	AX Core Below											
0-64	64-118 f, vfg cumm gabbro			7,3,0	8,3,0		0.0.2,5	0.0.1,6	0.0.1,3		0.6,3	
	70% plag and 20% cumm as patches of small xtls, 10% hbl subophi			8,3,0	9,9,0		0.0.2,3	0.0.0,8	0.0.1,3		0.4,5	
	clots, loc 60% plag, 30% cumm, loc digested schlieds (plag-graph?)			9,9,0	1,1,1,0		0.0.0,0	0.0.4,1				
	loc qtz., gen sugary text, loc pegmas 60-70°, carb frac fills											
	2% sulfides; 99-111; scat patches of sulfide stringers fgpo,											
64	cp assoc w schlieds probably, strong mag, but may be dio hont											
	118-127 mg hbl gabbro, pegmatite											
4-118	gabbro: 60% asic plag, wk repl by clay, 30% hbl alt tschl											
	patches, 10% plag brn bro, a few unalt zones of gab similar											
	to below, rest alt by carb vns, very little bio (incr near peg)											
	peg: mcg; plag, qtz, chl musc; ksp? - none definitely											
	identifiable seen											
118-127	127-174 m, m-cg eucrite, loc fg											
	50-60% plag irreg patches, 30-40% cumm/bz patchy-oph,											
	up to 20% bz loc, cumm repl by chl or serp?, 10-15% aug											
	(not hbl) oph, loc plag, qtz musc peg vns, not much bio											
	reaction in gabbro (may be does not occur where no bio in pegs)											
	163-164 altered zone plag → wk clay, mafics → hbl → chl?											
	impregnated carb, loc steep 70-90° fracs											
127-174	174-183 cg pegmatite											
	plag, qtz, bio(chl), musc (not ksp seen), hi bio (25%) at bottom											
	schlieds?, bio repl aug hbl @ upper contact, some feldspar											
	is repl too?, loc gabbronics in marked incr in bio/cumm,											
	30° upper contact, 20° lower											
174-183	183-201 mg cumm gabbro, loc eucrite			1,8,3,0	1,9,9,0		0.0.1,1	0.0.4,1				
183-213	60-65% plag patches/lasic, 20-25% cumm patches loc alt to chl,			1,9,9,0	2,0,5,0		0.0.1,1	0.0.8,1				
	serp?, loc bz, 10% hbl clots, wk opt segs of aug, loc 5%											
	bio segs, loc schlieds at bottom											
	2-3% sulfides (loc 14-15%) strong mag po, cp as inst blebs											
213-221	loc rounded											
221-297	201-205 m-cg pegmatite											
	ksp?, plag, qtz musc, chl; loc bio; bio reaction in gab-											
	bro as above. Upper contact obscure, lower contact 30°											
	205-213 fmg gabbro			2,0,5,0	2,1,2,0		0.0.4,1	0.0.8,1				
	65% plag patches, 10% cumm/aug hbl and 15% bio repl cumm as segs											

Depth (1" = 40'): till; f, vfg cumm gab; carb frac; peg vns; mg hbl gab peg; m, m-c eucrite; frac; carb ball; cg peg; mg cumm gab, lc eucr; peg peg; fmg gab; cg peg; mg gab; fmg gd; fg cumm gab; steep fracs; fmg pyro

Depth scale: 0, 64, 118, 127, 174, 183, 201, 205, 213, 221, 252, 266, 289, 297

Depth ranges: 0-64, 4-118, 118-127, 127-174, 174-183, 183-213, 213-221, 221-297

Codes: 01, 02, 025, 022, 04, 025, 04, 021

Contacts: 174, 183, 201, 205, 213, 221, 297

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Deposit	Town	Co.	Lease No.	Hole No=Coordinate		Collar Elev.	Angle	Azimuth
				11806	1409	2336	90	

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Depth (1"=40')	% Sulfide (visual)	Description	Drill Hole No.		From	To	Ore Type	%Ni	%Cu	%Co	%Fe	%S	Deposit
297		205-213 cont'd: patches, 10% hbl clots, incr bio near bot	11806	1409									
308.5		tom, loc sch incls											
97-331 021	fracs 75°	2% strong mag sulfides - blebs											
328													
331	alt-331	213-221 cg pegmatite											
31-337 04	337	plag, qtz, chl, musc, (loc bio); loc calcite vns, alt of											
337		gabbro incls as above; (gabbro incls are plag bio cumm),											
337-350 022	345	contacts obscure											
350													
350-377 06		221-252 mg gabbro, loc fg			228.0	240.0		0.28	0.22				
		65% plag patches, 30% cumm, hbl, bio (5-20%), 5% aug,			240.0	252.0		0.05	0.20				
377		gen rext z tex, loc segs of bio, loc plag? qtz bio peg											
377-386 021	386	vns											
		2-3% sulfide, rounded blebs, mod strong mag po, cp											
386-425 025		252-266 fmg peridotite			252.0	257.0		0.85	0.25	0.06			
		55% cumm lt grn on cut surf, 20% blk hbl (could be serp?) sub-			257.0	266.0		0.65	0.30	0.05			
		oph clots, poik? patches, segs also, loc balls of chl after											
421		oli?, few plag peg vns w strong chl reaction											
425		25% sulfide blebs, vfg, fine inst network, fg po											
425-443 024		weak mag, cp											
Footwall	443												
443-475 03	fol gouge	266-289 fg cumm gabbro (loc mg rextz)			266.0	270.0		0.12	0.15				
		60% plag patches, 20% cumm patches (loc antho) lt brn, 10% hbl			270.0	275.0		0.36	0.20	0.03			
		clots, 10% bio repl hbl, cumm, occurs as segs; gen sugary											
		text, scattered pd zones 6" intvs, mineralized as above, loc											
475		plag vns, loc steep fracs 75° coat w epi, hbl?, bottom											
		2' segs of sulfide in pred pd zone											
		5% sulfides overall, weak mag po											
		289-297 fmg pyrox			287.0	293.0		0.71	0.20	0.06			
		50% cumm, and 25% hbl as patches, cumm patches bigger,			293.0	298.0		0.35	0.20	0.04			
		hbl smaller, loc chl balls, loc talcose, 70° conjugate fracs											
		25%, loc 80% inst network sulfides, mod mag po											
		297-308.5 fg cumm gabbro (loc rextz fmg)			298.0	318.0		0.06	0.15				
		60-65% plag and 15% cumm patches, 15% bio segs to patchy											
		repl cumm, 5-10% hbl, suboph fg clots, few plag segs, vns,											
		loc sch incls											
		308.5-328 fg cumm gabbro			318.0	337.0		0.04	0.08				
		60-65% plag asic, 25% cumm as patches, 5% bio, 5% vfg											
		hbl clots, greener than above rx, mod mag, (loc po dissem in											
		patches <1%), 75° fracs, loc higher bio zones, exp near fracs											
		loc plag bio peg											

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				11806	1409	2336	90	

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

Description	Drill Hole No.		From	To	Ore Type	%Ni	%Cu	%Co	%Fe	%S	AU	Deposit
328-331 f-mg pyrox (pd?)	11806	1409										
50% cumm and 20% hbl patches; bio chl reaction at bottom												
30% inst sulfides, mod mag po												
331-337 cg pegmatite												
plag, ksp, bio, qtz, musc; irregular contacts, bio chl incls of gab, loc chl - wh clay alt at 333, no carb												
337-345 mcg pyrox-pd?			337.0	350.0		0.14	0.14					
60% cumm - talc and 30% hbl as patches, loc chl, bio, talc antho alt near peg, bio between talc and chl, loc chl balls;												
10% inst, dissem mod mag sulfide												
345-350 fmg mafic eucrite			350.0	360.0		0.19	0.15					
50% plag asic, 20% cumm green, 20% bz lt brn, 10% hbl - aug?, loc 15%, patches - poik?, or segs, loc chl vns												
1% mod-strong mag po												
350-377 mcg pyrox-pd?			360.0	370.0		0.46	0.10					
70% cumm alt loc to chl, and 20% aug-hbl, both cumm, hbl intergrown but patchy, loc chl balls, loc plag segs, loc antho w chl or bio reaction rim, loc near vert fracs			370.0	376.0		0.27	0.09	0.03				
374-377 talc alt, bottom 1' plag bio qtz peg												
10% dissem, inst, loc network sulfides, weak-strong mag po												
377-386 fg cumm gabbro			376.0	384.0		0.03	0.05					
65% plag asic/patchy, 15-30% cumm patches, 0-15% bio rep/cumm, small segs, 5% hbl vfg clots			384.0	395.5		0.45	0.17	0.04				
382-385 plag qtz bio peg, loc gar, sch incls												
1% fg po, cp, encl msv sulfide vns (mostly in 382-385)												
386-421 mg cumm gabbro, pegmatite			395.5	399.5		1.55	0.09	0.16				
60%-65% plag asic/patchy, 25% cumm/bio patchy, loc bio segs, fg bio, 10% hbl clots; numerous peg dikes and stringers: plag, qtz bio; at bottom have balls of contact aggregates surrounded by sulfide			399.5	407.5		0.63	0.44	0.07				
			407.5	414.5		0.65	0.50	0.07				
			414.5	421.5		1.28	0.40	0.13			.005 (SUDBURY)	
419-420.5 talcose mg pyrox pd w rounded sulfide blebs: 70-75% cumm and 15-20% hbl alt partly to talc 10% sulfide												
Rest of intv have 15% sulfides, weak-mod mag po, in gabbro have 5% dissem sulfide, also have 1-2' msv zones w cp segs, vnlts												

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

Description	Drill Hole No.		From	To	Ore Type	% Ni	% Cu	% Co	% Fe	% S	Deposit
421-425 fg cumm gabbro	1,1,8,0,6	1,4,0,9	4,2,1,5	4,3,3,5		0.2,5	0.1,0	0.0,3			
60% plag and 25% cumm as patches, 10% hbl subophitic lots,			4,3,3,5	4,4,3,5		0.0,2	0.0,5	0.0,0,2			
5% bio tiny segs, loc larger, loc plag qtz bio											
pegs; banded hybrid unit - chill zone.											
425-443 hybrid gabbro											
60% plag, 25% hbl, 15% bio, sugary text, loc											
plag bio qtz peg plag hbl sch inclS											
10-15% med-strong mag near msv sulf rns											
443-475 schist											
plag bio qtz silli?(prob sericite but fibrolitic) w											
plag qtz porphroblastic segs, loc gar. 0-20° fol,											
avg 10°, loc ffol plag hbl bio lays, loc pseudo											
andalusite											
454-455 3" gouge seams - grey clay											