5-54

(57)

KNOX MINING CORP.

DRILL HOLE LOG

Deposit: Arcas
Drill Hole: 5-54
Logged by: H.M. Parker
Date: 1973
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Deposit	Town	Co.	Lease No.	Hole No=Coordinate		Collar Elev.	Angle	Azimuth
				1,1,7,0,4	1,6,5,9	2,2,8,9	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	0-50 overburden	1,1,7,0,4 / 1,6,5,9									
0-50 (01) till	50-52 f-mg anthe? gabbro										
	weathered, broken up; 65% plag patchy, 25% anthe?, 5% bio, <5% aug clots										
	10-15% sulfide blebs, few vnlts, cpas blebs in po										
	weak-nonmag										
50 52 f-mg gab											
0-59 (06) pd	52-59 peridotite		5,2,10	5,8,10		0.3,0,19	0.2,8,13	0.1,0,2,9			
59 fg gab	cumm, loc anthe, talc; 10-15% aug, 15-loc 30% plag,		5,8,10	6,3,10		0.3,9,18	0.5,2,12	0.1,0,5,9			
	mostly as segs										
	5% dissem sulfide blebs - short vnlts, v weak mag										
9-111 (021)											
vert frac 92 alt	59-92 fg gabbro		6,3,10	6,8,10		0.3,8,12	0.4,2,12	0.1,0,1,4			
99 sch incls? fg gab	65% plag and 25% cumm/antho (loc bio) as patches,		6,8,10	7,3,10		0.6,7,14	0.8,6,13	0.1,0,4,4			
	10% aug clots, loc 1' zone of talc antho pd		7,3,10	7,8,10		0.8,8,16	0.5,7,13	0.1,0,2,9	2,60	0.5,12	0.6.5
111	10cm msr sulfide vns, 59-81: 10% weak mag blebs,		7,8,10	8,3,10		0.1,1,14	0.5,6,17	0.1,0,3,7			
1-123 (04) peg	vnlts cg po, cp as segs or vns; 81-92: 1% strong		8,3,10	9,2,10		0.1,7,15	0.0,4,14	0.1,0,1,4			
123 mg pd	mag										
23-139 (025) 132 anthe gab											
139 mcg cumm pd	92-99 sch incls?		9,2,10	9,6,10		0.2,3,16	0.1,1,19	0.1,0,2,9			
alt 145 mgcumm gab	plag (60%), also bio, serp, vert frac @ 92 w trem?, magnesite?		9,6,10	10,1,10		0.6,1,13	0.2,0,11	0.1,0,9,5			
59-160 (021)	98-99: 40% plag, 60% hbl; intv might be sheared pd.										
160	15% sulfides, some msr vns, weak/strong mag, fg										
00-171 (04) 164 169 peg mcg gab											
171 peg	99-111 fg gabbro		10,1,10	11,1,10		0.8,6,19	0.3,8,14	0.1,0,8,1			
71-183 (021) f-mg cumm gab	65% plag, 25% cumm (v lt. grn) pass. some antho										
183	10% aug clots,										
83-190 (04) peg	15% dissem sulfide blebs, loc segs, mg po, weak mag										
190 m, mcg gab, eucritic											
90-215 (022)	111-123 pegmatite										
	ksp, bio, musc; loc mg plag qtz zones										
	(119.2-120.4 core loss)										
215 mg gab											
15-227 (021) 224 226.5 fm gab	123-132 mg peridotite		12,3,10	13,3,10		0.3,8,12	1.7,7,18	0.1,0,5,9			
232 peg	have antho-talc zone for 2' near the peg above; cumm,										
	talc, chl thereafter, v little aug alt to hbl - tiny eyes										
	5-10% sulfides, cg weak-nonmag po, cp as segs										
27-269 (023) fg antho gab											
	132-139 antho gabbro		13,3,10	13,9,10		0.3,4,15	0.4,9,17	0.1,0,4,4			
	65% plag asic, 25% antho sheafs, 10% aug tiny clots,										
	10% sulfides, vnlts, mg mod mag po, cpas segs										
	132-133 cp segs.										
269-272 (04) 269 272 peg											
	139-145 m-cg cumm peridotite		13,9,10	14,5,10		0.2,6,10	0.1,1,13	0.1,0,2,2			
	15% cumm/minor hbl/1 15% plag asic inst. 10-15% aug-inst										

↓ cont.

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DRILL HOLE LOG

Deposit Area 5
Drill Hole 5-54
Logged by H.M. Parker
Date 1973
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Deposit	Town	Co.	Lease No.	Hole No = Coordinate		Collar Elev.	Angle	Azimuth
				11704	1659	2289	90	

Depth (1" = 40')	Description	Drill Hole No.		From	To	Ore Type	% Ni	% Cu	% Co	% Fe	% S	Deposit
272	139-145 cont'd: small compared to cumm,	11704	1659									
272-304 021 mg gab	5-10% sulfide 1/4"-1/2" blebs, m-c g mod-strong											
	mag po											
303.5	145-160 mg cumm gabbro			1450	1500		0.341	0.119	0.014			
304-315 04 peg	55% plag asic-patch, inst, 35% cumm, 10% aug tiny			1500	1550		0.175	0.081	0.014			
314.5 mg cumm gab	intergrowths in cumm, tr bio, 146 alt plag to			1550	1620		0.175	0.107	0.022			
321 vfg gab	white clay											
	5% sulfide blebs, segs, mod-strong mag											
	(146.8-147.6 core loss)											
serp, fg alt	160-164 pegmatite			1620	1680		0.219	0.170	0.029			
15-398 021	ksp, or plag, qtz, bio, musc; chl near contacts, gabbro											
356 fg gab	as above at bottom											
	164-167 m-c g mafic cumm gabbro											
	25-30% plag, 50% cumm, 10% aug, 15% bio											
381 mg gab	10% sulfide blebs, weak-mod mag fmg po											
387 fg cumm gab												
398	167-171 pegmatite			1680	1780		0.085	0.037	0.014			
398-413 024 cg pd-therz?	ksp, qtz, bio, musc, plag?; loc gabbro inds, usual alt											
409 hybrid dior												
413 fg gab	171-183 f-mg cumm gabbro			1780	1830		0.166	0.075	0.029			
413-444 021	65% plag, 20% cumm, loc antho?, 10% aug, 1-2% ilm?											
	3% sulfide blebs and few segs, fairly strong mag, cp											
	as tiny blebs in po											
Footwall 444 gradational amphib, gneiss												
444-503 09	183-190 pegmatite			1830	1910		0.374	0.277	0.037			
	ksp plag qtz bio musco w sulfide vns											
	5% sulfides weak mag, very tiny pn, cp as segs.											
fol.	(189.9-190.7 core loss)											
	190-215 m, m-cg gabbro (eucritic)			1980	2170		0.114	0.078	0.017		1.65	
	55-60% plag patchy but inst ig tex, 5-10% aug gen.											
	Small clots, 25-30% cumm/bz, loc antho poik to oph											
	1-2% sulfides, strong mag blebs											
502.6												
503-510 04 peg	215-224 mg gabbro (loc cg)			2170	2265		0.086	0.068	0.016		1.41	
509.5												
510-524 09 fol. gn	60-65% plag, 25% antho/cumm variable proportions, 2-3%											
524	bio, 5-10% rounded graph-mt segs											
sch-gn	2% po, cp assoc w graph-mt											
524-550 03 fol.												
545 fol. 547 lost	224-226.5 f-mg cumm gabbro											
550	65% plag and 25-30% cumm as patches, 5-10% aug											
	clots, loc antho and bio											
	226.5-232 pegmatite											

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Deposit	Town	Co.	Lease No.	Hole No = Coordinate		Collar Elev.	Angle	Azimuth
				11704	1659	2289	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
226.5-232 cont'd: plag, qtz, bio, musc; loc ksp	11704	1659										
232-269 fg antho gabbro			232.0	241.0		0.118	0.069	0.021		1.816		
65% plag, 25-30% antho (cumm-bio near upper contact), 5-10%			241.0	251.0		0.096	0.045	0.015		1.610		
augite, 3-5% bio; anorth and mafic bands, irregular			251.0	257.0		0.110	0.173	0.027		2.010		
contacts, loc peg vns												
3% sulfides, strong mag												
269-272 pegmatite												
mg ksp, plag, qtz, bio musc												
272-303.5 mg gabbro			274.0	291.0		0.060	0.062	0.010		0.913		
65% plag, 25% cumm and antho, 5% aug - tiny clots, loc 1/4" xtls			291.0	306.5		0.077	0.044	0.016		1.218		
2-3% bio, 5% locally, loc mt-graph												
1-2% dissem sulfide blebs - scattered, weak mag												
303.5-314.5 pegmatite			306.5	311.5		0.910	0.340	0.037				
ksp, plag, qtz, musc, bio; cumm, antho, bio (<10% plag)			311.5	320.5		0.175	0.025	0.007				
gabbro incls; do not always get antho near peg												
10% sulfides as 6", 1' msv vns, mg weak mag												
314.5-321 mg cumm gabbro												
60% plag and 25% cumm (some hbl?) as patches, 10%												
aug clots, 5% bio,												
1-2% sulfides as segs, strong mag												
321-356 vfg gabbro			320.5	325.5		1.195	0.831	0.088				
70% plag and 20% cumm/antho as intergrown patches, 10% aug			325.5	331.0		1.040	0.264	0.081	1.095	1.11	0.53	
clots, 2% bio; have mg gabbro w/in or near sulfides			331.0	341.0		0.447	0.453	0.103				
340-342 broken zone, loc serp, little round pebbles w			341.0	349.0		0.114	0.081	0.044				
Fe stain on outside, vfg, seen @ 342			349.0	357.0		0.101	0.126	0.037				
321-334: 15% sulfides as 3"-8" vns, f-mg weak												
mod mag po, cp as segs												
334-356: 3-5% sulfides blebs and segs, esp cp												
blebs												
(339.8-341.0, 345.3-348.0 core loss)												
356-381 fg gabbro (loc mg)			357.0	367.0		0.211	0.094	0.044				
70-80% plag, 15/20% cumm/antho as interlocking			367.0	377.0		0.187	0.113	0.037				
patches, 7% aug vfg clots, loc qtz vns, loc swirled tex,			377.0	387.0		0.093	0.075	0.029				
loc sch incls, loc anorth												
3-5% sulfides - small vnlts, patches, fg, weak to												
strong mag												
381-387 mg gabbro												
65% plag and 25% hbl-cumm as patches, 10% aug intergrown cumm												

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Deposit	Town	Co.	Lease No.	Hole No=Coordinate		Collar Elev.	Angle	Azimuth
				1,1,7,0,4	1,6,5,9	2,2,8,9	9,0	

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

Description	Drill Hole No.		From	To	Ore Type	% Ni	% Cu	% Co	% Fe	% S	Deposit
381-387 cont'd: a few plag laths,	1,1,7,0,4	1,6,5,9									
1% strong mag cg sulfides. assoc w 1" peg dike											
387-398 fg cumm gabbro			3,8,7	0 3,9,4	0	0.2,8	0.1,0,7	0.0,5,9			
65-70% plag, 25% cumm, 5-10% aug, 5% bio, 5% sulfides as											
VNs and segs, mod-strong mag											
398-409 cg peridotite - lherzolite?			3,9,4	0 4,0,0	0	0.7,3	0.4,4	0.1,1,7			
25% plag, 40% cumm/bz? loc alt to chl, 20% aug			4,0,0	0 4,0,5	0	0.6,0	0.4,0	0.0,8,8			
intergroon w cumm, loc 10% mt and blk serp? (mag)			4,0,5	0 4,1,0	0	0.5,0	0.2,3	0.0,8,1			
15% 3/8-1/2" inst rounded sulfide blebs, nearly											
every bleb has tiny cp indicates no communication											
between blebs on cooling?, v weak mag											
409-413 Hybrid diorite			4,1,0	0 4,1,5	0	0.0,7	0.1,1	0.0,2,9			
plag, bio, gar, some dk hbl? minor, gneissic tx, sl. band											
ed											
413-444 fg gabbro			4,1,5	0 4,3,0	0	0.0,6	0.0,4	0.0,1,4		1.1,2	
65% plag and 20% cumm, antho? intergrown patchy			4,3,0	0 4,4,5	0	0.0,5	0.0,2	0.0,1,2		0.7,7	
10% aug vfg clots, loc schists, gradational lower											
contact 435-444											
444-502.6 gneiss, amphibolite											
plag, bio qtz gneiss and predominate bio, hbl, sericite											
amphibolite, loc peg. The amphib is hard to tell from											
gabbro except by high mica, esp. sericite and fol. There											
maybe some gabbro mixed in however. 0-20° fol											
502.6-509.5 pegmatite vein											
broken zone											
509.5-524 gneiss											
plag, gar, qtz, bio, musco; loc silli or psuedosilli, loc											
blk serp; banded 0-15° fol											
524-545 schist-gneiss											
plag, hbl, bio; compositionally banded, could be considered											
a gneiss, similar to 444-502.6, 0-10° fol											
545-547 gneiss											
plag, bio, qtz 0-10° fol slight decussate tex											