KL-75-5

DD-35

UNITED KENO EXPLORATION

Diamond Drill Hole Log

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091129

PROPERTY: KING LAKE | LOCATION: 105-D-14 | CORE SIZE: BQ | STARTED: Sept 9/75 | COMPLETED: Sept 12/75 | LOGGED BY: A. Beauvan

SECTION: | NORTHING: 4+00 N | EASTING: 7+75 W | ELEVATION (collar): | ELEVATION (ground): 3328 | BEARING: 134°

DEPTH: 452' | DIP (collar): -60° SE | DIP SURVEYS: @ 452' -62° | PURPOSE:

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION (w-weak, m-moderate, s-strong): stain	2nd qtz.	epi.	chl.	k fel	kaolin	lawm.	sil.	oxid.	weath	FOLIATION (STRUCTURE): graphic	degree	angle	FRACTURES: graphic	density	angle	MINERALIZATION: mo	bn	cp	mt	py	Occurrence
0	20.6			20%	OB - boulders + pebbles.																							
					- casing to 18'																							
20.6	50.0			95%	6a GABBRO - highly mag.	—	W/Fe			W/pebble Fe E			W/Fe E			Fresh	1	Massive		rough (irregular)	2/ft	30°			Tr	1-2%	Tr.	Mag dis. Throughout
					- dk grey/black color															planar	3/ft	50°						Tr. py + cp associated with the same alt. along fractures.
					- mafics ~ 40-50%																							
					- felsic ~ 50-60%																							@ 34' - chl + sulp fracture filling ~ 1/8" thick with py + cp B.
					- allotriomorphic																							
					granular texture																							
					(gabbroid)																							
					- pyroxene mafics																							
					predom. but - in																							
					places along fractures																							
					green hornblende or chl																							
					and some brown																							
					only biotite developed.																							
					Fractures commonly																							
					serpentinized - also																							
					some CO_3 or tr.																							
					Some vn. of felsic																							
					material (1/16" thick)																							

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Diamond Drill Hole Log Page 2

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION (w-weak, m-moderate, s-strong): stain	2nd qtz.	epi.	chl.	k fel	kaolin	~~laum.~~	sil.	oxid.	sulp	STRUCTURE: FOLIATION graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo:	bn:	cp:	mt:	py	Occurrence
50.0	95.4			95%	6a Slightly foliated Gabbro - mineralogy same as 20.6-50.0 but a weak foliation is developed by anastomosing streaks of mafics - In places there are bands ~ 1/2" thick of mafic rich material - these show streaks of mafics parallel to the bands. - alteration minerals same as before (sericite, chl, only biotite along same fractures)	Top grad over about 12"	w/ frs.			w/ fr.			w/ fr.E			w/ frs vn		Foliation weak anastomosing lines of mafics	20°	planar	5/ft	15°	Tr		Tr	1-2%	-	Tr mo in small B zone in fr small calcite vn along alt. fracture 56.5' Tr cp in alt zone along fracture in fr chlorite + 2nd bio + mag. 58'
		63.5	70.0	30%	6a serp. foliated gabbro - med. greenish colour - mottled core - mafics replaced by serp + along frs only bio + green amph developed - calcite vn (1/16") along frs.		w/ frs.			w/ fr.E			w/ fr.E			W.M ~~wk~~ + frs.		wk foliation 10°		rough	8/ft	15°	-		-	1-2%		mag dis in bands or along alt fr + in streaks ∥ foliation

UNITED KENO EXPLORATION

Diamond Drill Hole Log Page 3

STRUCTURE

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	CO_2	ALTERATION: w-weak, m-moderate, s-strong: stem	2nd qtz.	epi.	chl.	k fel	kaolin	lawm.	sil.	oxid.	serp.	FOLIATION graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo:	bn:	cp:	mt:	py	Occurrence
95.4	106.8			80%	6b Altered & sheared GABBRO - Serpentinized - Increasing serpentine, chl, carb alteration from 95.4 to 106.8 - Also increasing granular texture. - Well fractured with serp. + calcite fracture - core in places rubbly. - feldspars increasing in clay alt.	Top broken	M/trs			W-M trs + kfel		W-M kfel				M/kfel trs vn.		Foliation W-M.	20°	rough	14/ft.	50°	-		-	1-2%	Tr.	Tr. py cubes in calcite vn & serp. vn
		105.1	106.3	100%	1b Altered diorite dike - White colored due to complete kaolinization of feldspars. - Qtz ~10% - mafics → chlorite ~ 25% - Kaolin ~ 65% - sheared + altered.	Top sharp. - core broken up. Bottom sharp core broken up.	N/trs			S/kfel		S/kfel						Massive.						Tr.			Disp qtz with chl.

UNITED KENO EXPLORATION

Diamond Drill Hole Log Page 4 STRUCTURE

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION (w-weak, m-moderate, s-strong): stain	2ndary	epi.	chl.	k fel	kaolin	2ndary leucox.	sil.	oxid.	serp	FOLIATION graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo:	bn:	cp:	mt:	py	Occurrence
26.8	1435			95%	6a Sheared (weakly foliated) gabbro	Top grad, over 6".	w/vn			w/Fr.E			M/Fr.E			w/vn repl.		Foliation boundary w-M	10-20°	planar	8/ft.	25°				1-2%	Tr.	Tr py. ants in to calcite + serp.
					- Same as before																							
					- alt only along fractures																							
					- serp + calcite vn.																							
					- Foliation caused by streaks of alligned mafics + serp - also weak banding of mafic rich layers ∥ foliation																							
					- serpentine + 2ndry biotite replacement increases due bottom 5-10', gradational to more highly altered gabbro.																							
143.5	1575			90%	6b Serpentinized Gabbro	Top Grad over 10'	w/Ars + repl + vn			M/repl		w/repl	M/repl.			M-S vn + repl.		Massive in places has traces of foliated structure @ 10°					Tr		Tr	1%	Tr	Tr py + cp assoc with cal vn. in B.
					- rock is med grey/green colour																							
					- Texture is same as fresh gabbro.																							
					- mafics → chl + green amp. + 2ndry biotite																							
					- Hololeucos look a bit cloudy, prob due																							

UNITED KENO EXPLORATION

Diamond Drill Hole Log Page 5

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION (w-weak, m-moderate, s-strong): stain	2nd qtz.	epi.	chl.	k fel	kaolin	lawm.	sil.	oxid.	Sulp	STRUCTURE ~~FOLIATION~~ graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo:	bn:	cp:	mt:	py	Occurrence
					to clayey calcite alt																							
					- core is soft + in																							
					places rubbly.																							
					- fractures ∥ core axis																							
					make core look highly																							
					fractured.																							
					Ab. hornblende frs.																							
		149.2	150.5	90%	**Fault gouge + breccia?**	Top sharp 90°										S												
					- core crumbly.																							
					- gouge contains serp.	bottom																						
					+ small angularrounded	- sharp																						
					rock fragments	50°																						
57.5	165.5			50%	**lb greenstone - altered diorite**	Top sharp 70°	W/frs	M/Mpl. Fr.E	M/Mpl	M-S/Mpl								Massive						.1%	-		cp B. in qtz/calcite	
					med-dk green color	bottom																						vn. along
					- hypidiomorphic	sharp 15°																						fractures + contacts.
					granular, med-coarse																							- No MAG.
					grained																							
					- epidot, green amphibole																							
					alt of mafics.																							
					- characterized by																							
					~15% white fld.																							
					- in places has porph texture																							
					with euhedral chloritized																							
					hornblende(?) grains.																							

UNITED KENO EXPLORATION

Diamond Drill Hole Log Page 6

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION (w-weak, m-moderate, s-strong): stain	2nd qtz.	epi.	chl.	k fel	kaolin	leum.	sil.	oxid.	serp	FOLIATION graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo	bn	cp	mt	py	Occurrence
165.5	167.0			100%	Altered Gabbro 66 - same as before. Serp & 2ndary biotite A.o.	bottom sharp 30°	W-M mpl.			W-M mpl	M/Fr.E		M/mpl			M/mpl		Massive							Tr	1%		Tr. B. of cp near contact.
167.0	231.0			90%	1b Green stone alt. diorite - same as before - characterized by chl, epi, sauss + some remaining white (2ndry?) feldspar - non-wk magnetic		W/tr.	M-S mpl Fr.E	M/mpl	S/mpl			W-M mpl			—		Massive					Tr		Tr	Tr	Tr.	Tr. B. of cp, mo, py in veinlets & vn.
		176.2	176.8	100%	v. crse grained mixture of chlorite ~60% qtz ~15% feldspar ~25%	grad.		S/mpl		S/mpl								Massive		—			1%		Tr			B. mo. + cp
		215		100%	band of v crse gr. brown biotite								S.															
		219.3	221.5	100%	66 Altered gabbro - grey green colour - same as before - med-st. magnetic	Top sharp 35°												Massive									Tr	Tr. py cubes.
231.0	442.0			100%	66 Altered gabbro. grey/green colour - allotriomorphic granular med-crse grained.	Top - sharp but irregular	W/tr			M/mpl			M-S mpl			M-S mpl tr		Massive							Tr	1%	Tr	Tr. cp + py on fracture surface

Hole No. 75-5 | Pg. 6

UNITED KENO EXPLORATION

Diamond Drill Hole Log Page 7

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION (w-weak, m-moderate, s-strong): cpy stain	2ndary sericite 2nd qtz.	epi.	chl.	k fel	kaolin	2ndary pyr. leum.	sil.	oxid.	Ser	FOLIATION graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo:	bn:	cp:	mt:	py	Occurrence
					- Ab. from 2ndy biotite + chl alteration																							
					- feldspars are gray colored																							
					- mod-st. mag.																							
					- include small segments of the porphyritic-altered diorite (possibly sandstone) - seem to show a degree of roundness, - contacts are always sharp.																							
					- Fragments range to 1" across.																							
		245.2	247.6		la Coarse grained, hypidiomorphic granular massive diorite			s/hpl		M/hpl								Massive							Tr.			one speck cp seen
					- white colour																							
					- feldspars almost totally sericitized, especially around fis.																							
					- Mafics - biotite partly chl.																							
					Top contact good.																							

UNITED KENO EXPLORATION

Diamond Drill Hole Log Page 8 STRUCTURE

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION (w-weak, m-moderate, s-strong): stain	2nd qtz.	epi.	chl.	k fel	kaolin	~~leucox.~~ 2nd bio	sil.	oxid.	serp	FOLIATION graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo:	bn:	cp:	mt:	py	Occurrence
					to altered green diorite - bottom contact sharp with altered volcanics - at 248.1 a rounded frag of the rock seen in the altered gabbro.																							
		339.1	339.5		v. coarse gr. clot of chlorite (ccl?) - large interstitial blebs of pyrite	grad.				s/trace								Massive								Tr	one large Bi (1%) adjacent to chl.
		393.6	394.8		v. coarse gr. clot of chlorite + felsic material - chlorite crystals ~4mm + Ccl. enriched along vn.	grad.				s	s/Fr. Tr							Massive										
		398.2	399.3		same as 393.6-394.8													Massive									Tr	Tr py dis - sparse, in amygdules
449.0	459	End of hole			amygdaloidal andesite - fresh except top 6" - med grey color, fine grained, amygdules	Top, sharp 30°																						

Hole No. 70-5 Pg. 8

DD-35

UNITED KENO EXPLORATION

Diamond Drill Hole Log Page 9

STRUCTURE

FOOTAGE From	FOOTAGE To	Minor From	Minor To	Rec.	LITHOLOGY	Graphic Contact	ALTERATION: w-weak, m-moderate, s-strong: stain	2nd qtz.	epi.	chl.	k fel	kaolin	laum.	sil.	oxid.		FOLIATION graphic	degree	angle	FRACTURES graphic	density	angle	MINERALIZATION mo:	bn:	cp:	mt:	py	Occurrence
					f chl + cal.																							
		149.0	149.9	DD	Altered amyd. and.	bottom contact not well seen				s/p								Massive										
					- same as above only pervasive deformation																							
					(b) Rock is affected throughout.																							
					soft.																							

Hole No. 75-5 Pg. 9