

## DDH Q 73-1 QUINTANA --- FISH LAKE

JULY 21/76

check whether perv. bio on chl alter

	Rock	Fs Altn	Pyr %	Cu Sulph	Epidote	Chlorite	Second. Bio	Flokey Ser	Comments
	01B								
	166								
magc → mag + sulph + carbonate(?)	magc play (1 to 4mm) 25% PPY	wh (1-2) loc yell (2)	dis in mag. fr, veins	dis in mag. fr, veins	—	chl fr pervasive	mostly chl I think	—	Variable dk to lt gray loc yell → tan
	227								
	" to 298	"	vein, fr dis (partly inter- grown 0.35)	vein fr minor dis 0.1	—	veins in gtz cpy, fr loc perv	fr, possibly perv	—	Tan to gray actn early in hole (to 230)
	295								
NOT * SPLIT	hb (needles) play PPY A few gtz eyes 357	wh (1) 2 on fr	minor dis in mafics 0.1	v. minor 0.01	—	mafics partly → chl	Folw w 40° to — core? —	—	matrix of PPY is gray-green I think narrow chillon PPY exists
PPY dyke 385-392 405-410 magc play PPY	dyke ends at ~ 370 Thin hfts (PPY) 420	wh (1-2)	diss, fr veins w. gtz cpy 0.25	diss, fr. veins w gtz py 0.2	—	after mafic loc perv? fr	after mafic fr perv strong I think	—	mag clots gtz-mag stringers
	475								
locally bleached	magc play PPY continues	wh (1) loc (2)	fr, veins some dis 0.3	fr, veins signif perv. 0.2	—	fr mainly	fr pervasive strong after mafics	local gtz- ser zones assoc w. gtz cpy-pp stringers w. chl pods along borders	matrix dk gray grn loc. tan; gtz-cpy-pp veins cut by carb stringers
	543								
	"	"	fr, veins some dis 0.2	fr, veins w py gtz dis-signif 0.3	—	fr after mafics loc	perv loc - none in heavily veined bleached zone	white flecky ser halo on gtz PPY vein	DK gray aspect green way to light gray aspect at 510
	600								
	PPY still but phenos larger	starts pale gray, loc dk gray loc tan → yellowish	fr + veins 0.25	fr + veins mainly 0.25	—	not common	not common	vein halos fairly common	May be a different PPY.

phenos alt to  
grn ser(s) loc.

Samples 169, 178, 223, 228, 230, 237, 286, 292, 300, 370, 373, 388, 425, 434, 450, 469  
494, 495, 522, 558, 583, 576, 597

\* this PPY also seen in Q73-2

558 even paler gray than 522.

Some good looking quartz veins.

qtz - cpy - py w. cracks infilled by magnetite.

CR bleached, sericitized

563 fewer & larger phenos, about 5mm, 15% play; a few % qtz phenos to 5mm, matrix sericitized, greasy-looking, green.

qtz - cpy - mag (hematized) vein

576 Gypsum veinlets qtz - cpy veins phenos → quartzite, 20%, 3mm mag

pale gray - bleached?

595 Gypsum, qtz - cpy - py veins w. black halos; qtz - mag - chl vein

Rock med gray Phenos yell-wh 1-3mm 30%

469 vuggy qtz - py - cpy veins cut

mag - chl - qtz veins w. qtz halos

Matrix somewhat porphyritic bio hfls

matrix bio sl. chl, has dissemin. sulphides

494 ~~Play~~ Play Phenos 1-2mm 25%

matrix bio hfls

veinlet qtz w. cpy in core

(minor chl) borders sharply gradal.

495 <sup>vuggy</sup> qtz veinlet 3/8" across w. pyrite-

cpy core cut by cpy coated

fr. CR is porphytic bio. hfls.

522 Phenos white play 1-2mm 20%

matrix pale gray w. disse chlonte

altered version of porphytic hfls.

fr. qtz - chl - mag some sulphides

388 crowded ppy - play 55%

xls 3-5mm subhedral (rounded off);

interstitial pyrite and chlorite

several (±5)% qtz phenos (3mm)

TYPE II(a) Porphyry

425 Porphyritic (play 2-3mm 20%)

matrix gray-green (chloritized,

possibly sericitized)

minor, dissemin. mag. cpy

434 Vuggy qtz - cpy cut by carbonate

+ barren qtz of uncertain timing

CR altered to yell-tan.

450 chl altn, disse py cpy

Porphytic bio. hfls as before

qtz - py - cpy veinlet chl halo then sericitized

73-1

292 Bio-chl-cpy fr  
" " - py fr  
similar rock to 286 but sl.  
more intense altn.

300 <sup>10%</sup> mafics elongate, now chlorite  
(hercynite originally I think)  
20% plag phenos (1-3 mm)

BARREN

370 Bio hfls matrix, partly → chl.  
dissem. sulphide (cpy + py)  
magnetite - gtz veinlets cut by (?)  
wh. ch. enc  
ms of gtz - mag - some chl cut by carbonate fr.

373 like 370

228 Fg, bleached to yell-tan color.  
Qtz - py veinlets cut by carbonate.  
In detail can see 1-2mm plag  
Xls ~ 20-30% i.e. Bleached SOS.

230 Variably med. brown to gray matrix  
Plag phenos pale tan to gray  
carbonate ~ rich hem. cuts carbonate  
gtz-chl-cpy cuts early carbonate  
cut by later one

237 Diss. cpy, py bio. hfls matrix  
local chl altn, plag <sup>gray</sup> white 30%  
1-2 mm.

286 Diss py, mag + py in clumps,  
dk gray gm matrix, plag phenos  
(chloritized)  
1-3 mm, 30%  
bio - chl - py fr

Q 73-1

169 Dk brown fg matrix, dis.  
magnetite, white plag, 1-2mm avg,  
30%, some diss py (u. w. mag)

178 same rock but matrix bleached  
to med. brown color + cut by carbonate  
and <sup>cpy</sup> ~~pyrite~~ - carbonate (~~cpy~~)  
scattered, loc hemat., mag. clots

223 Dissem <sup>cpy</sup> py + phenos of plag 1-2 mm,  
25%, matrix dk colored fg  
bio. hfls  
fr. w. cpy - py

10065N

SECTION B