

013310

FISH LAKE Q73-12 (see also KEN'S Notebook)

July 19/76
" 20/76

Rock	Felds Altn	% Pyrite	Copper Sulphides	Ep	Chl	Second. Bi	Flakey Ser	Comments
183 Biotite hornfels	gray - white (1-2)	predom fr vein cutt 1/4%	dis. and with py or fr in vuggy qtz veins 0.2	-	local perov & chl fr	strong perov.	-	Bi altn perv or patchy - dk colored bi.
221 "	possible ser altn (ep?) locally nr veins	Some massive veins fr, dis. 3/4%	fr coatings, dissem in alt zones 0.1	-	"	"	-	Bi altn bleached out along other veins or is early. Possibly minor bornite.
274 spotted hornfels	not signif here	" 1/4%	" 0.08	-	fr + perv chl fairly common after 300	"	-	Bi conc in spots to give the appearance
327 spotted to massive bi hfls	"	veins + fr 1/4%	fr, vein, dis 0.15	-	mainly fr	"	-	loc. spots coalesce to form zones, loc massive dissem bi
361 mainly hfls	wh (1-2) in dyke	v minor dis. 1/8%	" 0.15	-	after mafic in dyke	"	-	363-369 chl mafic plag m-cg ppytic dyke - matrix spotted mafic/fr, plenas 3%
400 matrix speckled w. chl mafic ppytic f-mg plag 30% 444	gray - wh (1-2)	fr w. cpy 1/4%	fr + ^{pp} vein w. qtz-mag some dis 0.1	-	after mafic & fr signif.	fr, loc pervasive	-	changes over to ppytic 402
504 ppytic "hornfels"	"	fr w. cpy & veins w qtz, cpy 1/4%	fr, veins, dis. 0.2	-	loc after mafic, most on bi-chl fr	perov + on chl-bi fr strong	loc holes on fr are flakey ser. qtz	sulphides occur in central fr in qtz veins often

samples 190, 213, 240, 284, 302, 330, 350, 369, 403, 438, 443, 455, 500, 503

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284 Bio Hfls, fairly magnetic,
mottled dk gray + dk green

vuggy Qtz-chl veins cut by
Qtz-cpy stringers. narrow
w/ chloritic
holes

302 ~~spotted~~ Spotted Hfls ... dissem,

rounded spots of biotite in gray
sugary matrix; dissem. sulphides;
cpy in mafic spots

330 sl. mottled dk gray bio. hfls

vuggy Qtz-py some cpy cut by carbonate

350 Mottled green + black (bio, partly chl)

areas in gray granular matrix. Dis-
seminated sulphides, mostly in
mafic zones.

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190 ~~dk~~ Dk, almost black, fg biotite

hornfels with 10% subhedral to anhedral
tal 1-1 1/2 mm & plagi xls. Minor Qtz
on fr. "Barren." Fairly magnetic

213 Mottled or spotted hornfels.

light gray areas are anastomosing
alter zones along fractures (?).
Fairly magnetic

240 green-gray ^{sericitic?} alter adjacent to

fractures - basically bio. hfls
which is partly bleached and chlo-
ritized. Dissem sulphides (py + cpy)
in alter zones + chloritic zones.
Fairly magnetic

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455 magnetite fairly abundant. Ppytic
(like 403) against "fg zone." Fg zone
is a zone of gt₃-stakey ser-epy
altr w. diss mag. which is cut by
gt₂-mag fractures
gt₂-chl-mag-epy veinlets.

500 Gypsum veinlets
Plag ppy hfls matrix as before
moderately strong magnetism.

503 Gypsum veined altered plag
hfls
Gypsum is younger.
gt₂-chl-mag-epy vein - contacts
a bit vague (w. mag concns)

367 mottled gray green + dk (bio-och)
zones - hfls.
gt₃-mag-chl-sulphide veinlets
(vuggy)

403 Plag phenos 40% ¹⁻³/₅ mm
(avg. 2) ♂

Matrix dk greenish black, mafic-
rich. Some disseminated sulphide.
- Porphyritic bio. hfls -
variably magnetic

438 variably magnetic - like 403 but
part. chloritic altr of matrix & more
diss. sulphides (epy + py?)

443 Sim. to 403 but loc xls to 5mm.