73-11

013296

Quintana

9/B 137

137 - 320 Type II

320 - 370 Type I [core missing]

370 - 425 Type II

/ - 490 Post-Ore

/ - 520 Type II

~~-860~~ Type Ia >5% Qtz eyes

520 - EOH (minor other rx)

Hffls 860 - 885

920 - 930 Post-Ore dyke

970 - 1000 Type I

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me 137 9/B

137 - 312 Ppy tic, minor qtz eyes locally → mafic plag ppy

312 - 367 - core missing -

367 - 422 Mf Plag Ppy - biotitized

422 - 450 Hb Needle Ppy - POST-ORE

/ 560 Ppy tic Hffls, loc crowded

560 → ~~Ppy~~ w qtz eyes

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Qtz plag ppy to EOH with local

Hb Needle ppy ~750

Hfls ~875

147 Completely altered yell-tan, fractured & veined. The CR is sugary textured ... altered Hfls?

157 Wispy black zones - second bio + sulphides?
closely fr & wispy altn halos on the fractures
CR uncertain - tan altn pervasive

180 altn same
veins ~~fr~~ pyrite qtz w. quartz halos with sharply gradnl edges. Some cpy?
carbonate - young?

190 Tan altn - similar ~~altn~~ altn but rock has 20% white feldspar phenos - is a sort of bx with fg grey brecciated dyke (?) X cutting (I think).

add vein mat'l?

205 Rock then altered, like 190
Sulphide-rich veinlets cut sulphide-poor veinlets (which are qtz-feldspar?)

235 qtz-chl-cpy veinlet
Rock is dk gray ppytic (plag 1-2 mm, 25%) matrix hflsed? then chloritized?

239 qtz-cpy-ank hem (bright red) fr + veinlets (a swarm of parallel fractures)
Rock same as 190 but phenos almost obscured by altn.
thicker qtz-rich veinlet cut by sulphide-rich fracture
→ 265 ppytic bio hflds.
290 qtz-chl-cpy fr cut by →
qtz-chl-ankes. hem cut by qtz-ank hem fr w/ sericitic halos
Rock is ppytic bio hflds

316 Bleached and silicified adjac to fr + veins - qtz-chl - minor cpy/bn
chlantic
Rock is same but phenos easy to see (wh. altn) matrix bio ~~shifts~~ carbonate fr.

365 Gray porphyritic, plag 2-4 mm, 25%, aphanitic grdmass shot thru w fg chl
vfg diss sulphide
qtz - mag ± sulphides fr
mostly cpy

390 Sericitic zones around vuggy qtz - pyrite veins ... some oth hem in core
away from the veins heavy concns of py occur in the altn halo (if that's what it is)

481 Elongated, chloritized mafic phenos (7%) finer mafics in matrix, plag phenos (2-5 mm, 25%) gray fg matrix. POST-ORE DYKE.

512 Quartz-cpy veins cut by vuggy qtz-chl-cpy-py w sericitic altn halos

CR as bio. hfls?

560 Gypsum veins - rock is heavily mineralized.

Veins - cores qtz specularite ch hem
outer pyrite cpy (some qtz)

altn halo qtz ser pyrite (gray)

overprinted by dk gm ser. altn zone

550 Rock more ppytic, more alt but
pm. to 365
plag 2-5 mm 40%
matrix grey fg
magnetite clots
qtz vein ppyrite core
ppyrite - chl fr
mafics 3%
fg → chl

585 Contact? CK hflo has ripped
out pieces in the dyke but the
contact is fuzzy.
Hfls fairly strongly magnetic

590 Qtz - mag fr + veinlets
Fairly coarse plag ppy (plag
3 - 7 avg 5 mm) a few qtz eyes (4 mm)
(5%)
matrix speckled w. chl. mafic

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693 Gypsum veining

Crowded qtz (4mm, <1%) plag
3-5mm, 45%) ppy - matrix
ppy, silic fg shot thru w. chl masses.
qtz - cpy fr
In contact w. (or en inclusion of)
bio. hfls ... some plag xls in hfls
look like they are from the dyke

697 "Massive" sulphide zone veins
cut & poikilitically qtz w. spec - pyrite cores
& zones of pyrite - cpy up to 1" wide in silic. areas (in these zones there is a cpy-rich area fringed by pyritic zones

753 Quartz phenos (10%, 2-3 mm) local 5
plag (white, rounded, 4-6 mm, 45%)
matrix fg shot thru w chl mafic
Veinlet qtz-chl-magnetite.
Rock has dissem. mag. & is fairly
magnetic Dissem fg mafic ns 3%

760 Mafics elongated, chloritized
f-mg 10%, plag (2-4 mm 10%) phenos
matrix pale gray dissem pyrite
(1%) POST-ORE DYKE

860 Vein of quartz (minor mag) cut
& offset by qtz-cpy-minor mag (visible)
and cut by pyrite-qtz Fr
Rock ten altn
862 Black fairly magnetic fg hfls
fract & veined. Altn to green colour
adj to fr. Veins qtz-chl-mag

935 thick (3/8") quartz - py - cpy vein
cut by qtz-py-cpy fracture
Ck is crowded Q(2%)F ppy w fs alt.
to emerald green color locally.
The emerald green zone seems to be
cut by the qtz vein

942 Gypsum cuts carbonate
Qtz (3% 2-3mm) Feldspar (White 3-5
mm, 30%) matrix bio ^fs hFls w. diss. mag.

992 Qtz (4% 2-8 mm) Plag (outlines
rounded, 35% yell-wh) matrix
alt to yell-tan color
cut by qtz ^±py fr (younger carbonate fr)
and an odd banded chalcedonic
qtz vein - the banding is along the vein
and transverse so it looks truncated

992 cont'd

Thes odd vein seems to cut the mnlzd veins

997 qtz phenos (1% 2-4mm) plag phenos (10% 4-6mm) matrix fg, gray to grn feldspathic shit then with mag + mafic. Fairly magnetic. "hfls" matrix

1190 Gyp cuts qtz-py-chl-bit cut dk gray bic hfls CR. Fairly magnetic

vein qtz-cpy-py core qtz-chl rim

1196 QFP - crowded ppy phenos (5mm) qtz vein w/ py-gypsum core

1200 all vein mat'l - qtz sphal-py core w/ py-qtz-pods of chl rim + sericite.