

June 9 '64

1400 o/b

P is brn & m/g, locally whitened along infreq. slips. P & minor x are dissem. thru it, forming irreg. winding <sup>massive</sup> blebs betw & around P grains where more abundant, & the P here & there coalescing into blebs, 1/4" across. There is a transition zone 1-12" wide of PO. O (= perid. or dunité) is blk & flg & much brkn by serp. slips. On E side the ct. betw P & O is a slip, 305° 20NE, along which is a massive veinlet of P, 1" th. & 4' long. - but slip can be foll'd across back, cty occas lenses of P, & down W side, where it mostly ctns a P vein 1/2" th. The O is genly serp. for a fracn of a mm along slips, many of which ctn gZ. There are also a few irreg. gZ strags in O that don't seem to foll. slips. At least one ctns a blob of C.

sp. 18 of av. rock in crossover betw mny & much rses abt 50' above level. A shear zone dips abt 40° E up here & ctns some comminuted H. Seems to be pretty well all O up to here.

In daylight the above distinction betw O & P diminishes; at best it is betw OP & Op, but there seems to be so much g/g & m/g brown minl, presumably bronzite, in the O unit that it may not rise above OP. The P? at face turns out to be N or D, & its relns to O & P must be det'd. Sp. 18 appears to be a conglomeration of areas of P, O, & H.

June 12

At S end 1400 S x/c. the P & esp. the dyke are brkn by many ss. Dyke in wall secn: - scat'd pockets of FAac, sp. 39, in P. only scat'd sulc in FW of mzd shear zone in fce, & then for only a foot, but exts down to floor in W wall, & there is only scat'd mzn above shear in fce, but 1/2 massive betw shears in both walls.

June 26

600 ore occurs as massive ~~veins~~ veins of P & less x along slips, with or without eub. H, as massive pockets & lenses cty rdd. H grains, as thickly dissem clots, & as all gradations in betw. The ore seems to prefer H to crumbly altm.

sp. 46 x is fr 68' E of O 1461, in a narr steeply E-dipping shear zone.

June 29 - 1600 x/c, 3550L.

No evident struct. or lith. reason why crumbly altm should be.



92HSW004