

Talk to Gray Litch Mar 4/87

- \* Hornblende KAr on diorite dyke (pre ore) in Bralorne mine  
drill core 284 ±. Low K, excess Ar.  
comparable with:
- \* Goldbridge Quarry Dick Armstrong date on diorite 287 Ma  
(low K, excess Ar)
- \* Same Bralorne diorite zircon U-Pb date 250 ± Ma  
8<sup>th</sup> level in mine. Definitely cut by veins. Coeval with  
'Pioneer' granite in mine.  
(250 Ma Late Perm, 286 Ma base of Permian)
- \* Green hornblende porphyry dyke syn-ore or post-ore (?)  
Hornblende KAr: 85.7 Ma late Cret.  
Not yet confirmed with zircon U-Pb.
- \* 'Soda granite' or albitite dyke zircon dating in works.  
(250 ± Ma on zircon U-Pb)
- \* Blackdome dyke (?) KAr (?) 45 Ma mid Eocene.  
Blackdome host rocks Eocene.

Pb isotope data from Bralorne - Pioneer - Narmine  
plus Congress, etc + northern area incl. Blackdome -  
all leads plot in tight cluster, look the same  
Raises question of mixing model - old hostrock  
Pb + radiogenic granitoid Pb. I point out need  
for Wayside MS Pb for lower crustal lead  
component. More ~~specific~~ specimens porphyry-related  
Pb from epithermal prospects - Relay Mtn, Big Ship,  
Poison Mtn, etc; plus KAr dates on porphyries.