

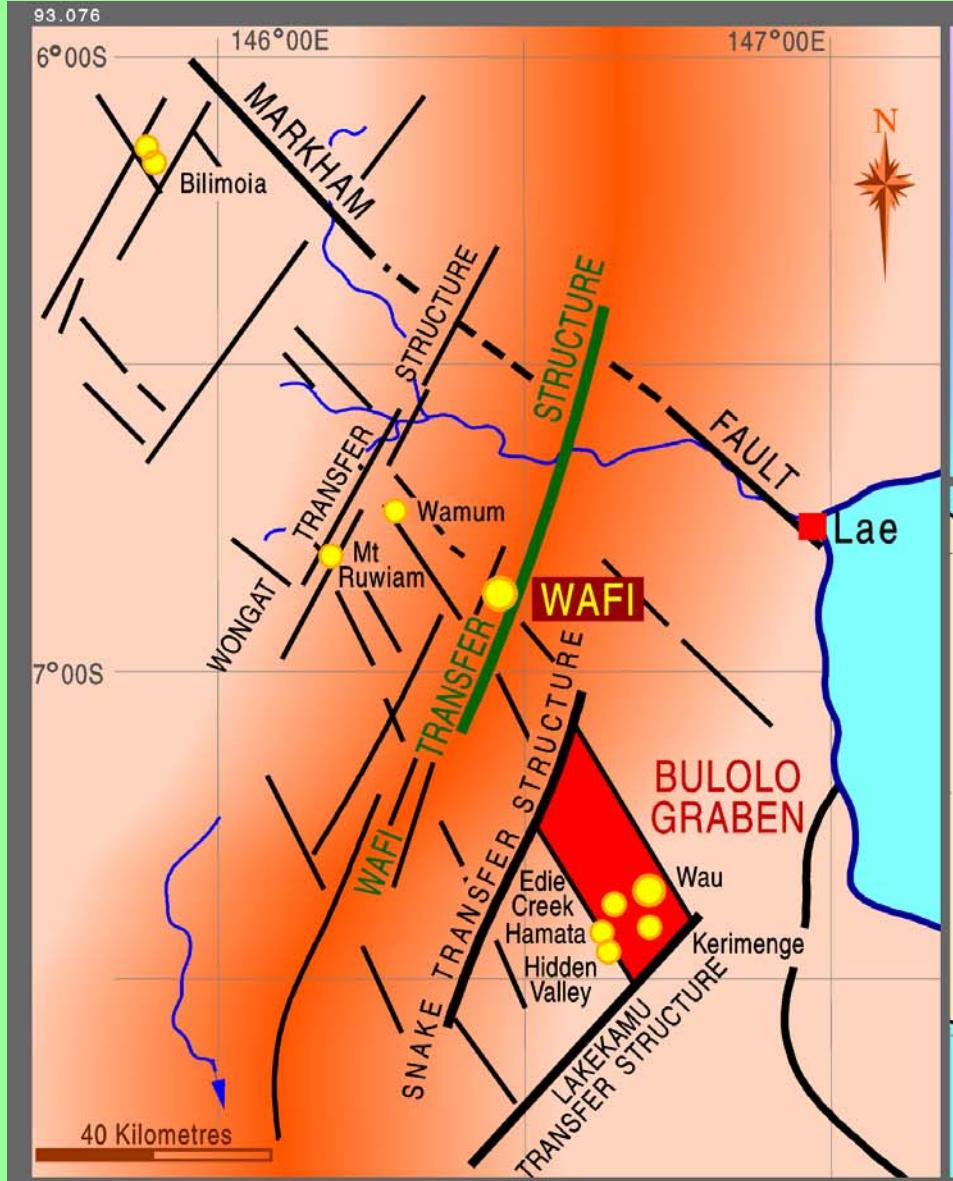


# WAFI PROJECT

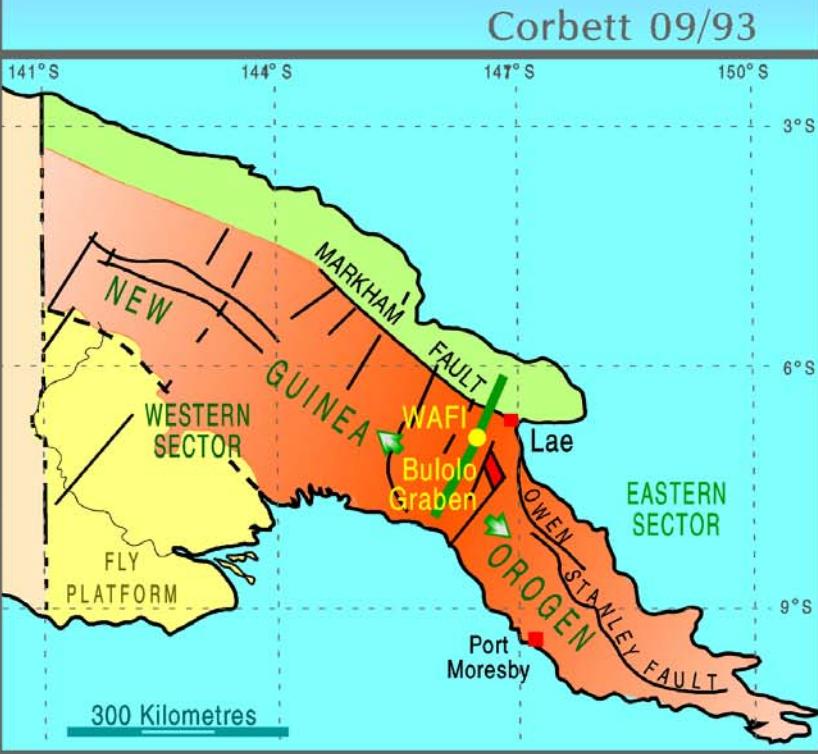
## 1989-1991

Terry Leach Symposium

17 October 2008

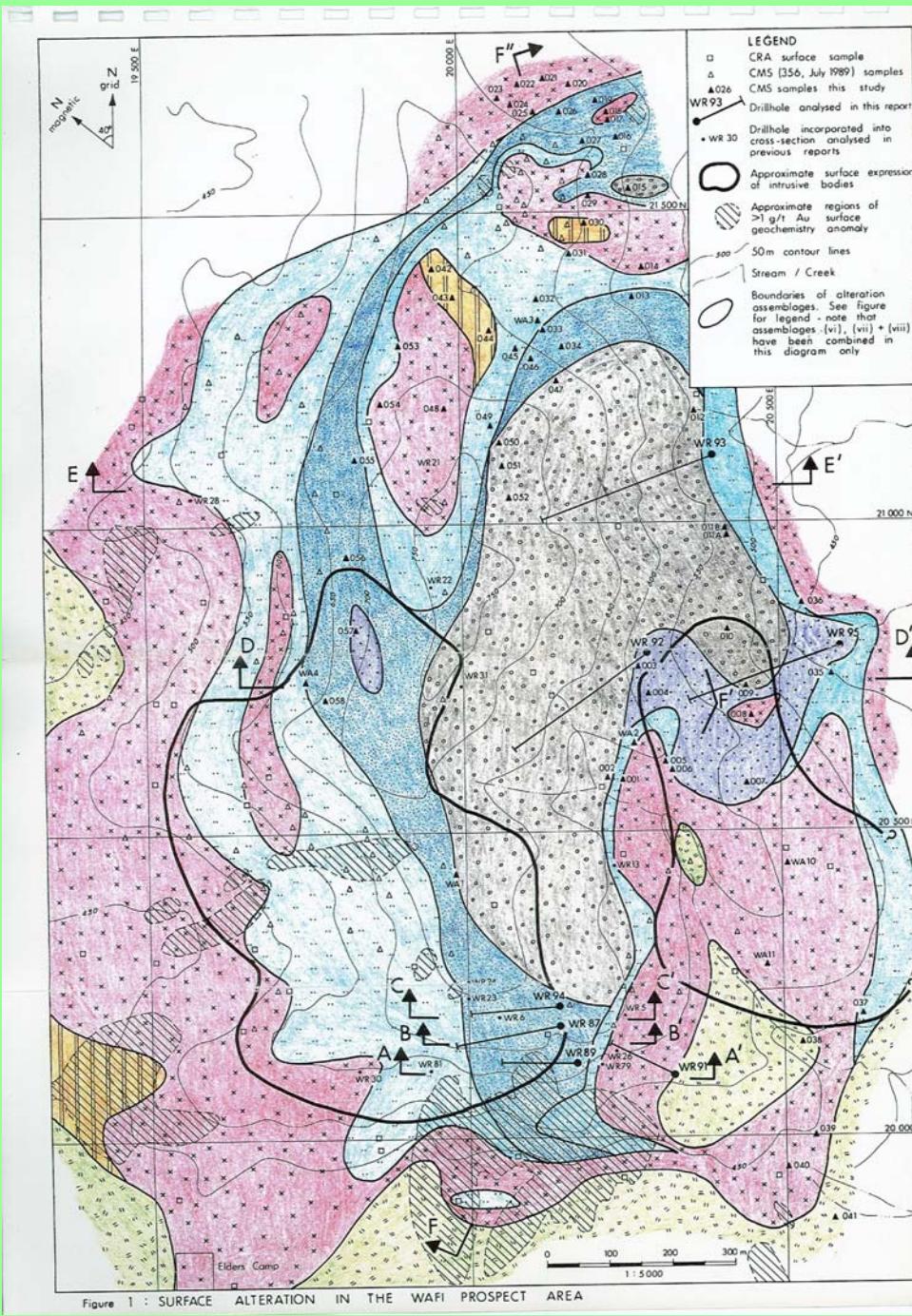


## WAFI PROSPECT STRUCTURAL SETTING









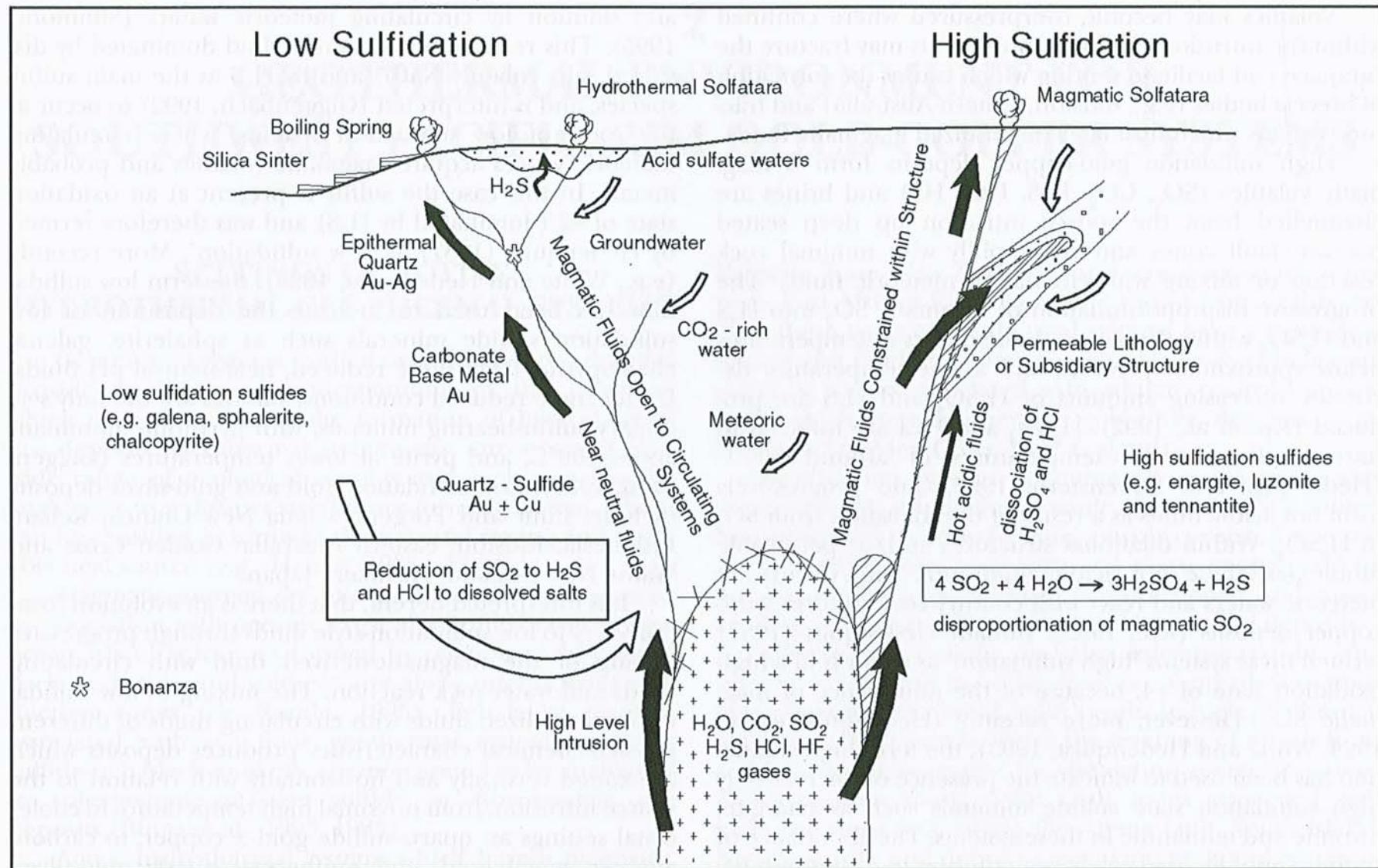
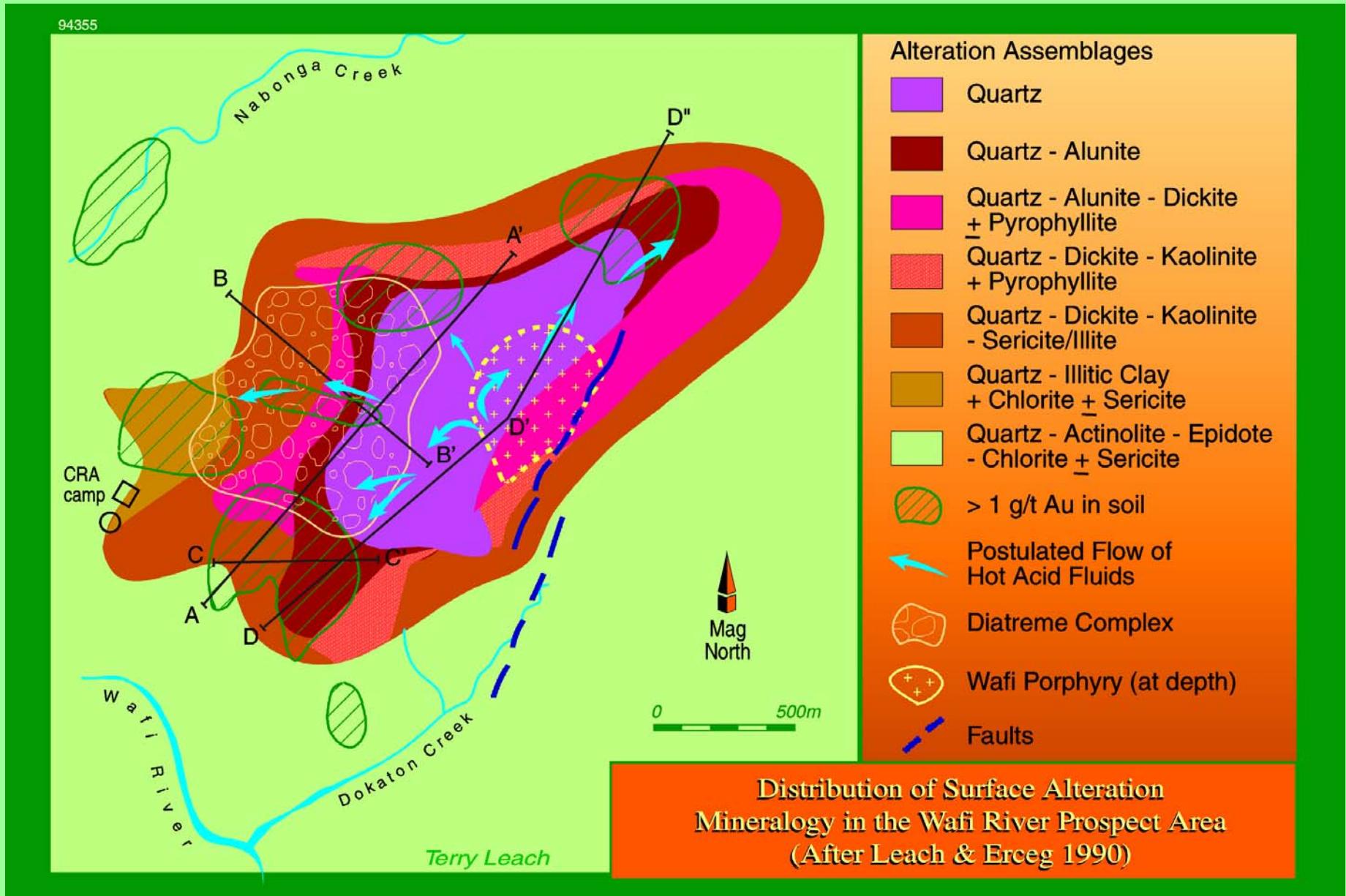
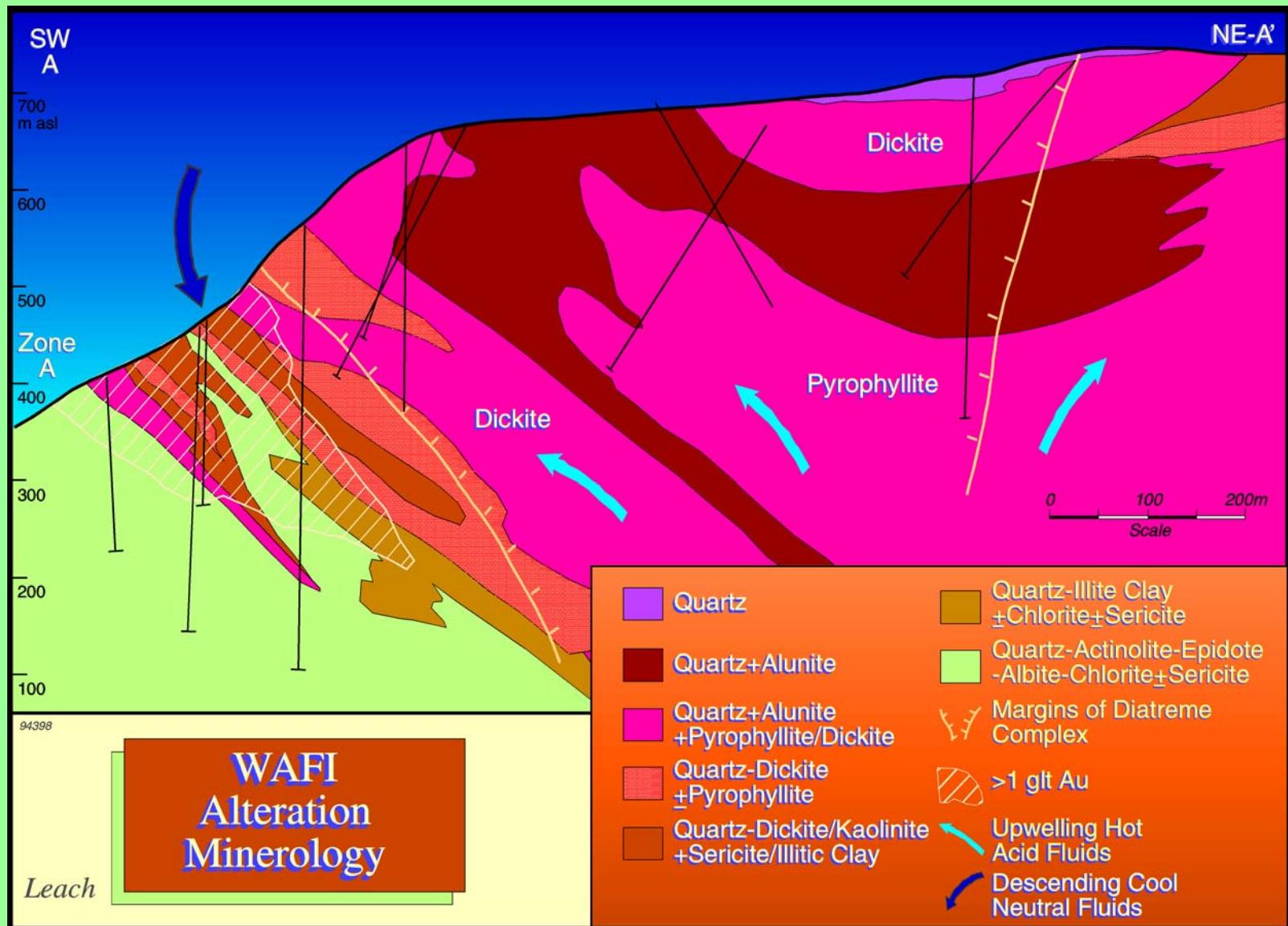
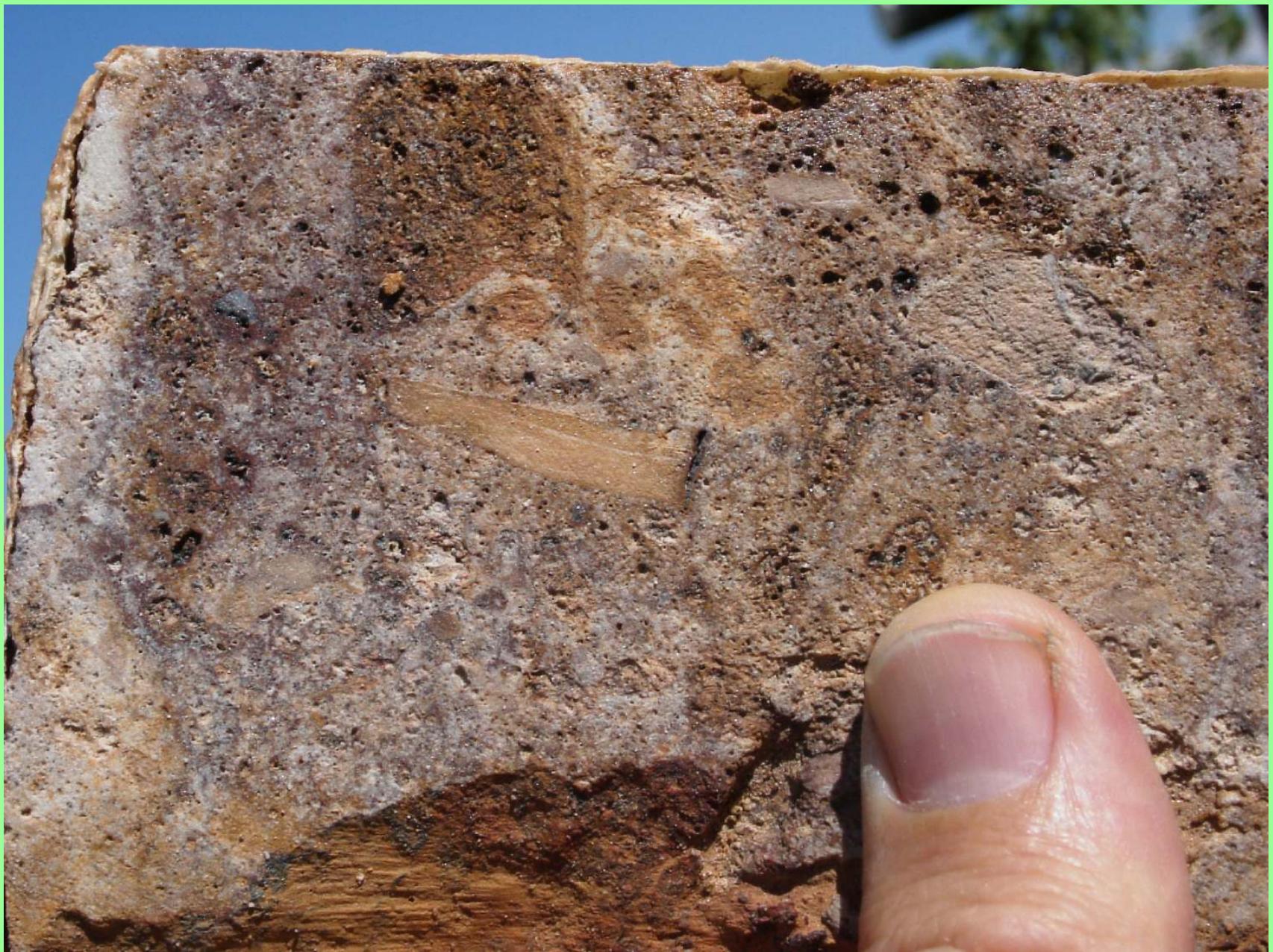


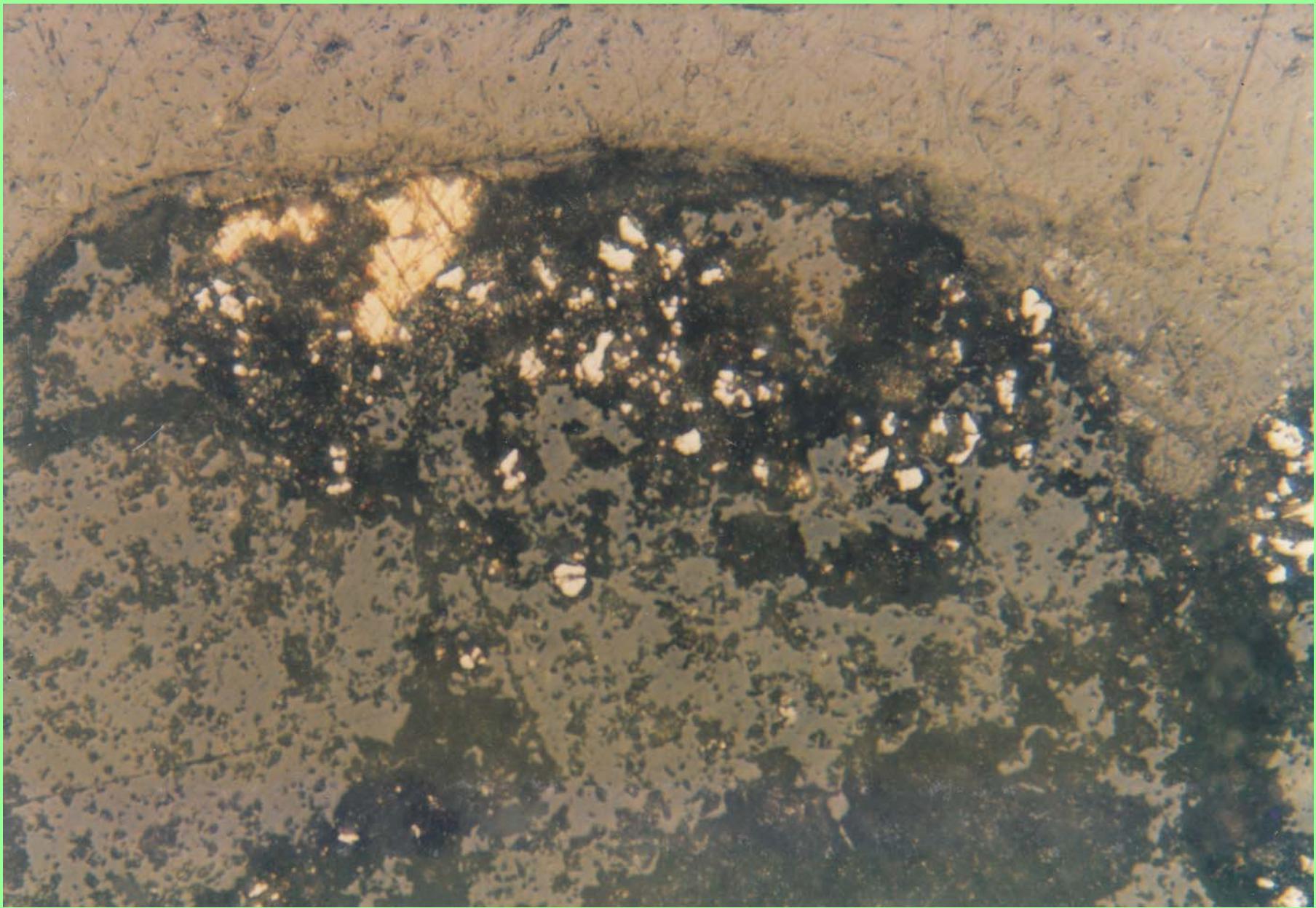
FIG. 1.3 Derivation of high and low sulfidation fluids



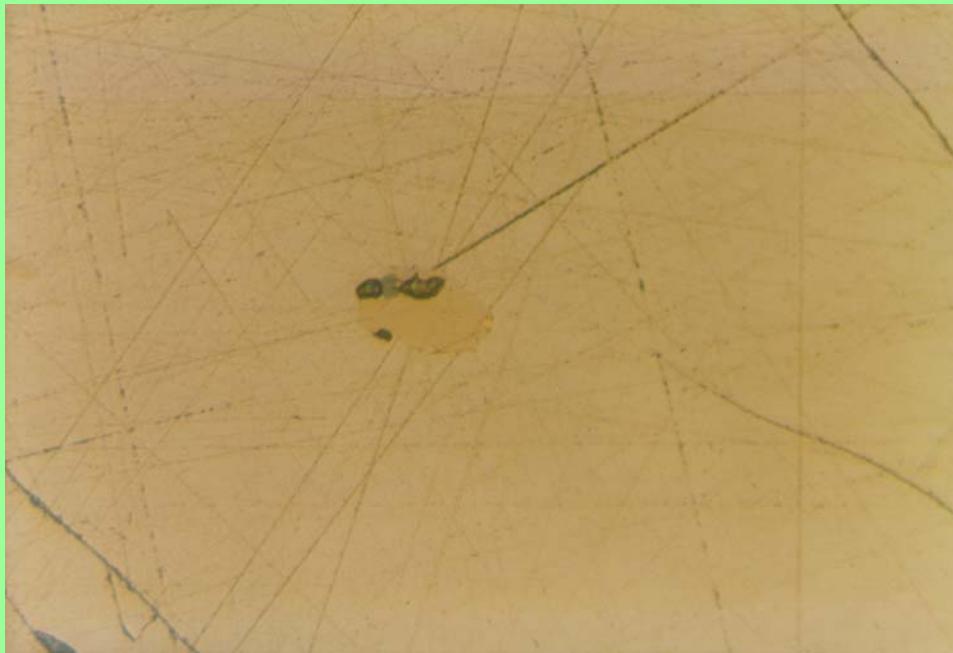






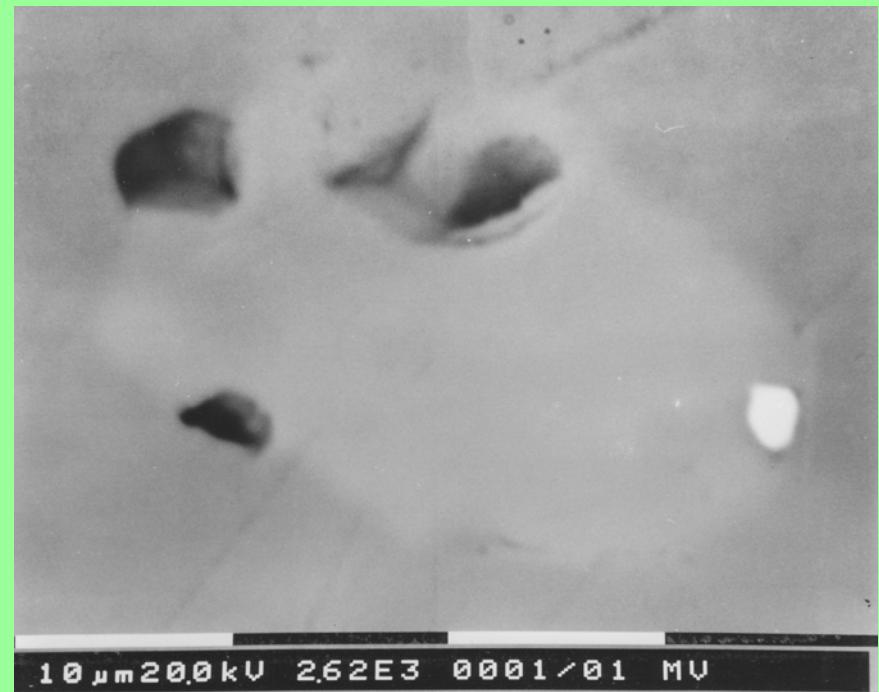


Coarse gold & pyrite in dickite altered wallrock WD2 68-70m WOV 0.7mm



A rounded chalcopyrite inclusion with a  
small gold grain in pyrite  
WD15 236.5m WOV 0.27mm

SEM image of same inclusion  
Gold grain 2.7microns



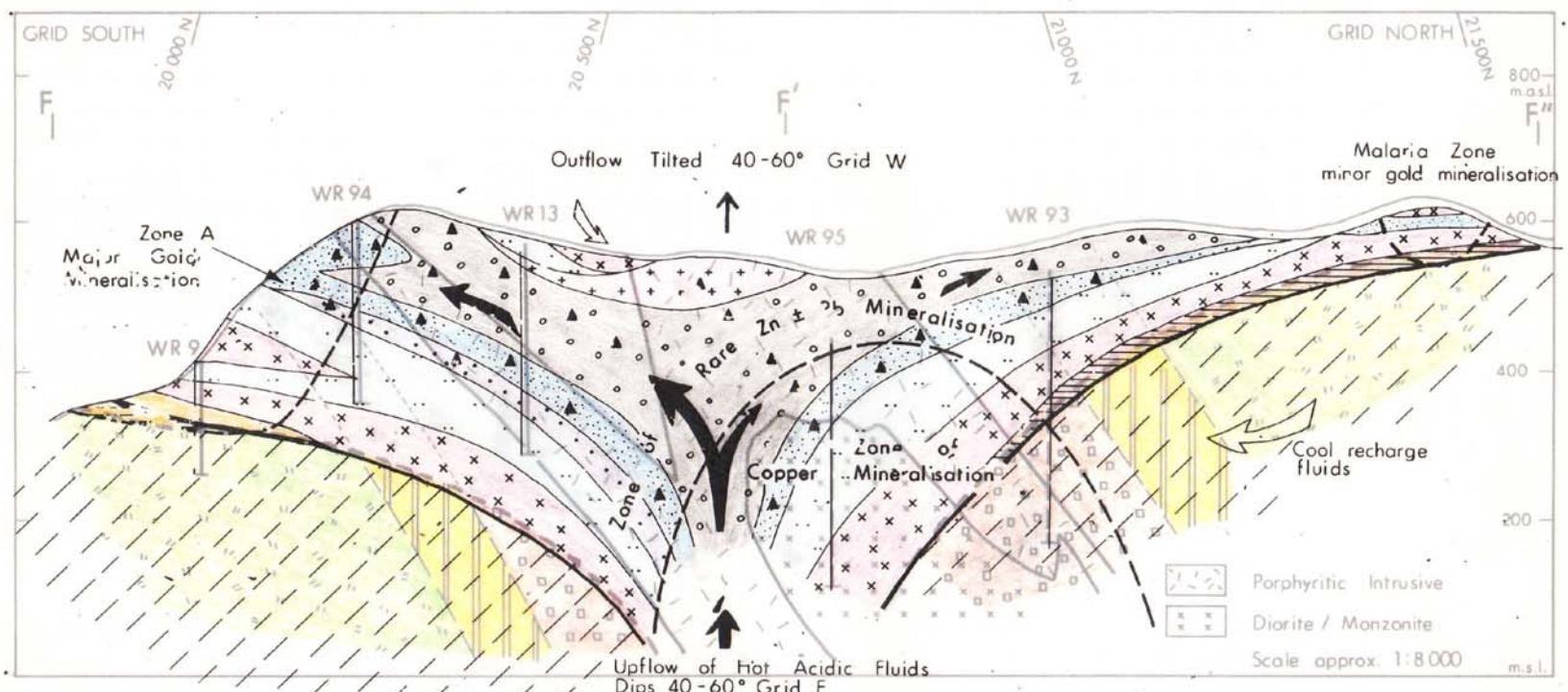
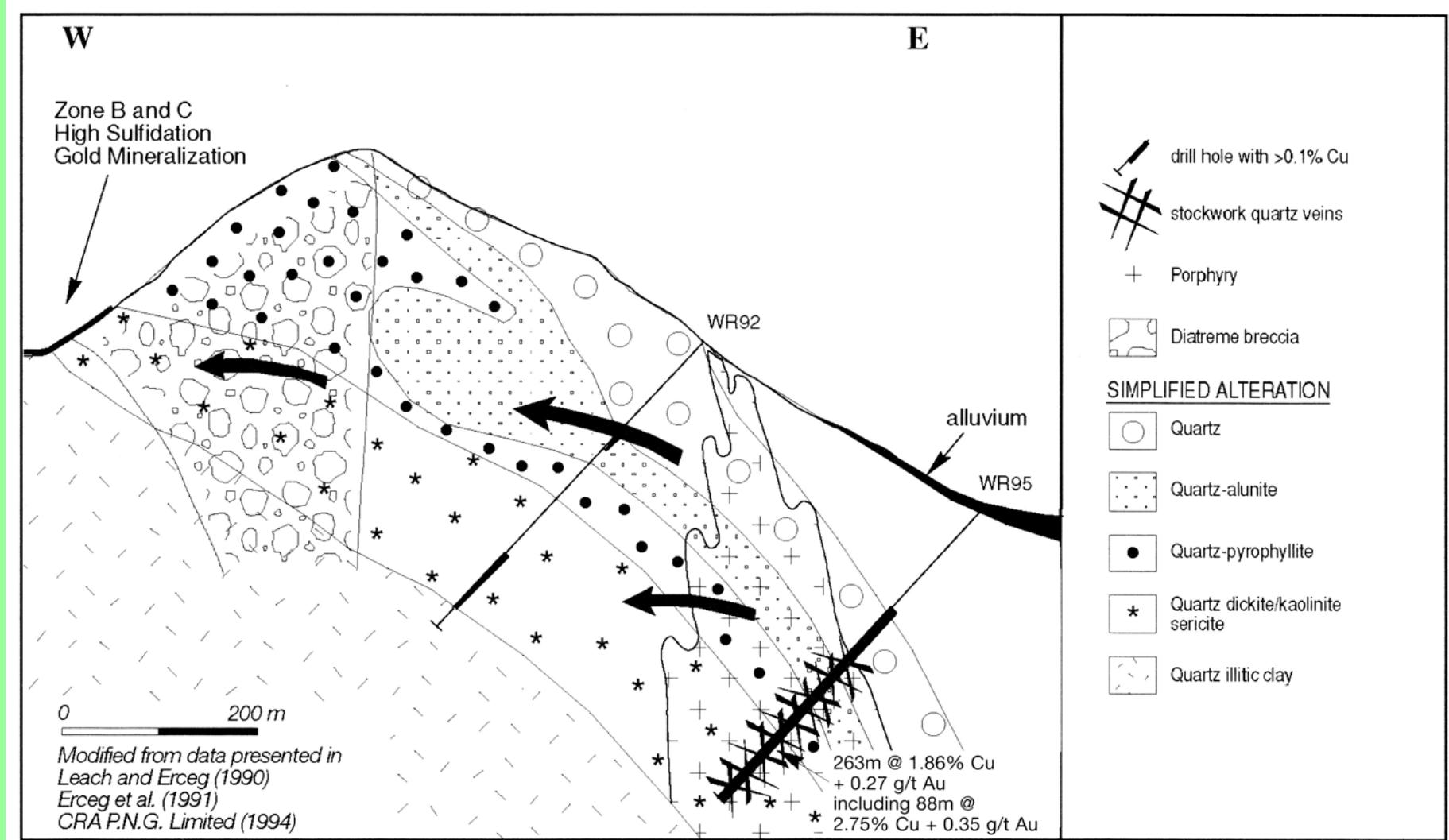


Figure 15 a : DISTRIBUTION OF PORPHYRY ALTERATION ZONES, DURING STAGE I ACTIVITY.

DISTRIBUTION OF PHASE II - + ALTERATION ZONES, AND Cu-Au ± Zn 'P's;  
MINERALISATION DURING STAGE II, DUE TO HOT FLUID FLOWS.  
NOTE ALTERATION ZONE WITH 'SO' SYMBOLS (V) AND 'P' ALSO  
NICE



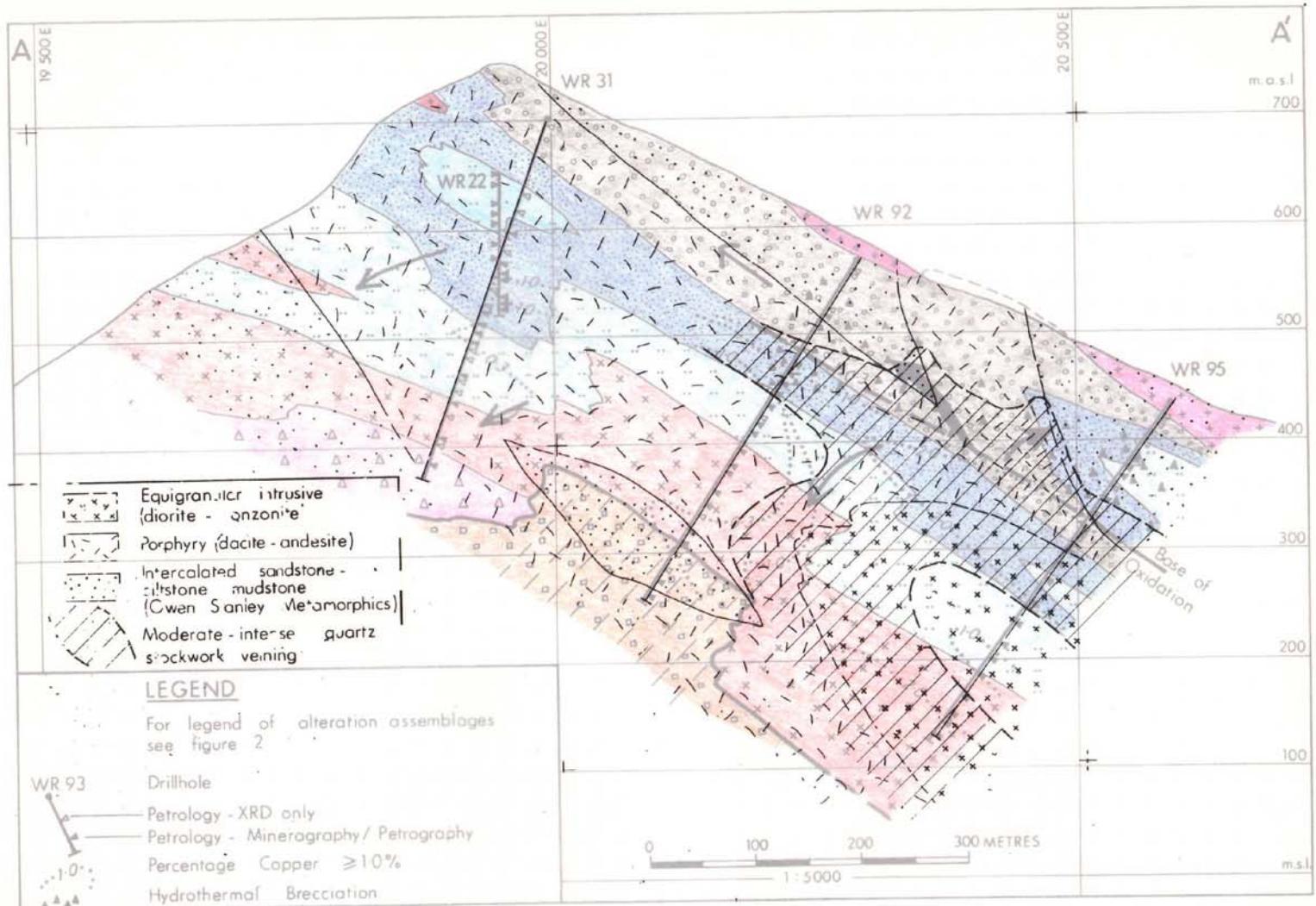


Figure 6a : HYDROTHERMAL ALTERATION : SECTION A-A' - 20750 N



Photo 1. Sheeted quartz veins cut by shear at a low angle to the core axis with sulphides localised within the shear and at the contacts with quartz veins.



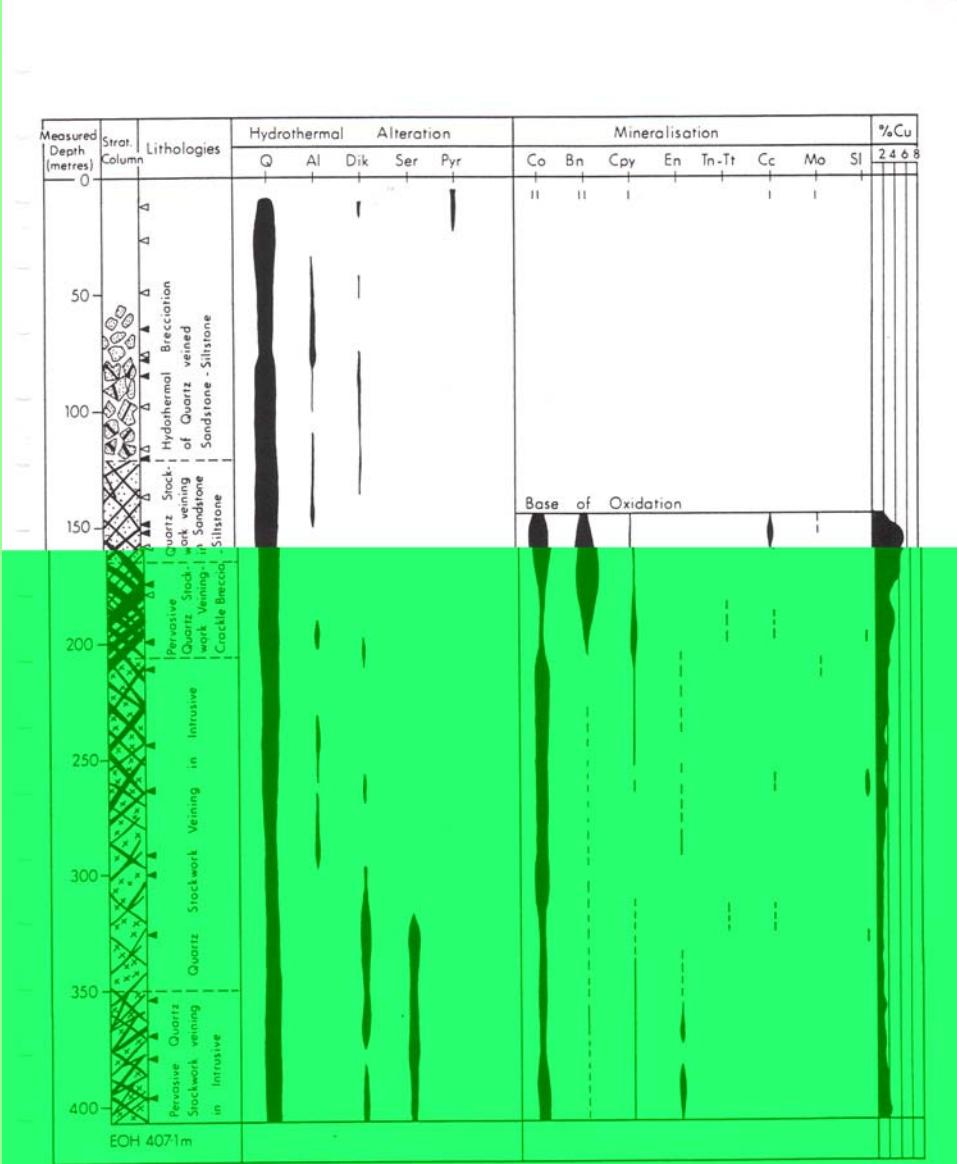


Figure 3 : PETROLOGICAL LOG OF LITHOLOGIES, HYDROTHERMAL ALTERATION AND MINERALISATION FOR DRILLHOLE WR 95

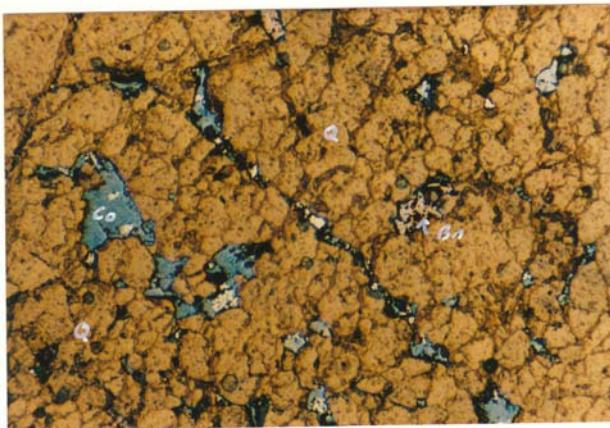


Photo 3 : Stage II-Phase IV disseminated covellite-bornite-chalcopyrite mineralisation infilling cavities and thin fractures in Stage I-Phase II quartz vein. Field of view is 1.3mm

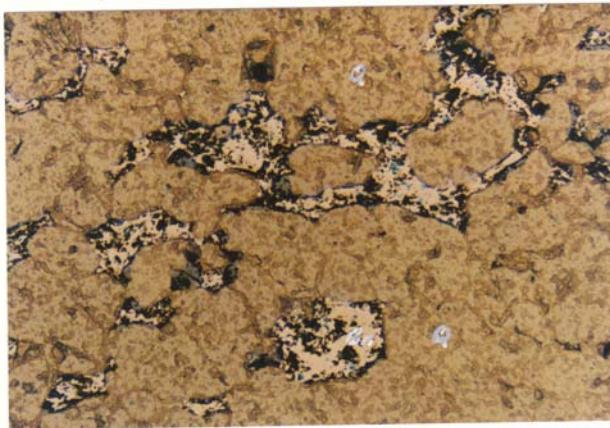


Photo 4 : Stage II (Phase IV) disseminated and veinlet bornite, with covellite inclusions, infilling cavities and fractures in Phase II quartz vein. VR 95-174m. Field of view is 1.3mm

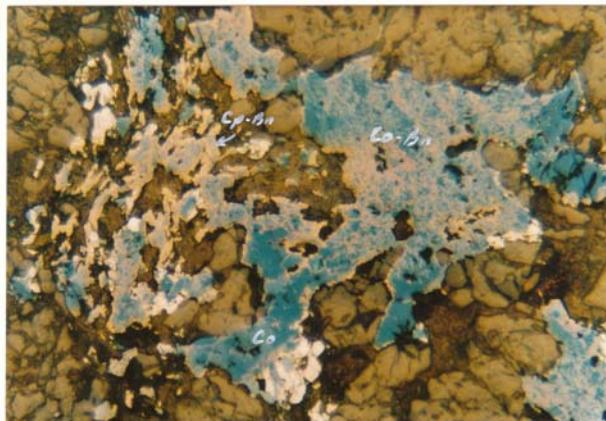


Photo 11 : Paragenetic sequence of covellite + bornite-covellite + bornite-chalcopyrite + chalcopyrite in disseminated grains in Stage II-Phase IV dickite veins. VR 95-369m. Field of view is 0.6mm

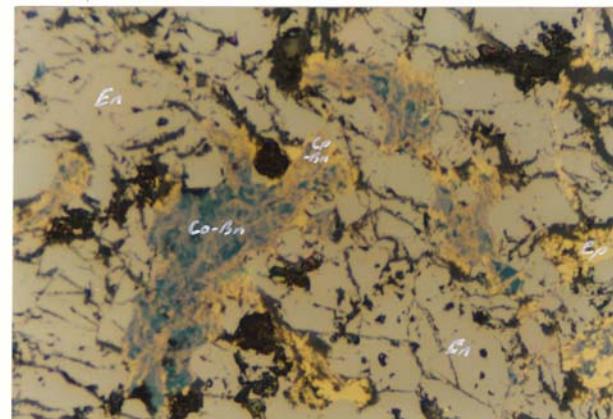


Photo 12 : Sequence of covellite-bornite + chalcopyrite-bornite + covellite + chalcopyrite infilling fractures in Stage II-Phase IV enargite within sericite-dickite veins. VR 95-396m. Field of view is 0.3mm

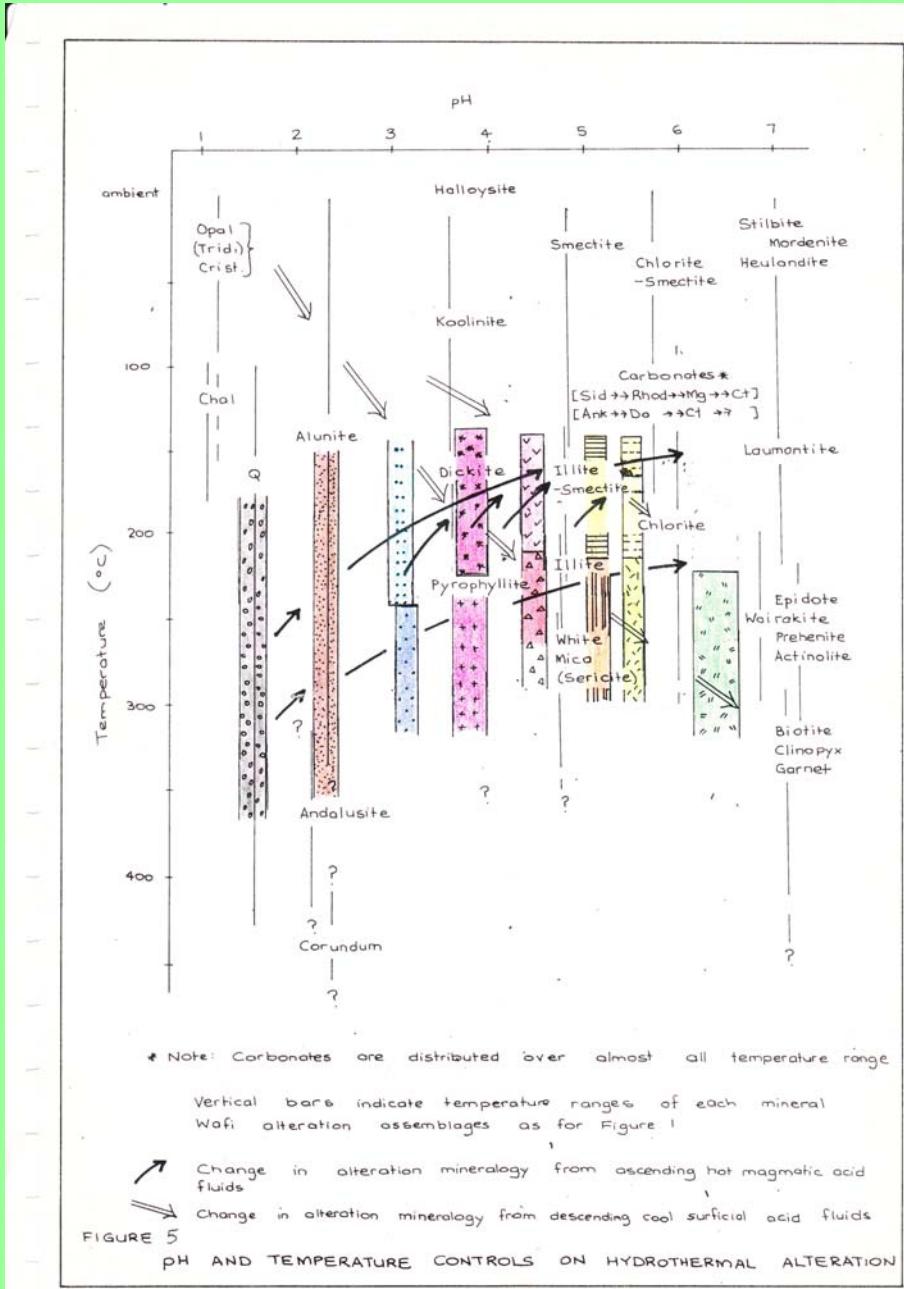
### ii) PARAGENETIC SEQUENCE OF ALTERATION AND MINERALISATION

The sequence of wallrock alteration, of fracturing, brecciation and veining, and of mineralisation within the Wafi prospect area may be summarised as follows :

STAGE I		STAGE II		
Phase I	Phase II	Phase III	Phase IV	Phase V
+Bio-Q-Ab	Q stockwork	intense	polyphasic	Ba-Carb
replacement	veining	acid	Q-Al-Dik/K-Ser/I-	K/Dik
&	&	leaching	I-Sm - Sm-Ch-Sid	Ch-Q-Op
veining	"crackle-breccia"	residual	zonation	
		± trace Ah ±Ser	silica core	laterally & horizontally
peripheral				late stage
Q-Ser±Ch	±K-feldspar	peripheral	in replacement	fracture
&	veining/wallrock	Al-Dik-Ser	&	filling
Act-Ab-Ep	replacement	± I-Sm	veining	
replacement		zonation		
&				
veining				
+ Py-Mt	+ Py		Py-Mt-Hm	Py-Mc
			Cc-Co-Bn-Cp	Aspy-Hm
± Cpy	→		En-Tn-Ap-Aspy	
± Mo			Sl-Ga-Mo-Sn	
mineralis.			mineralisation	
			+++Au	→
				mineralisation

#### STAGE I

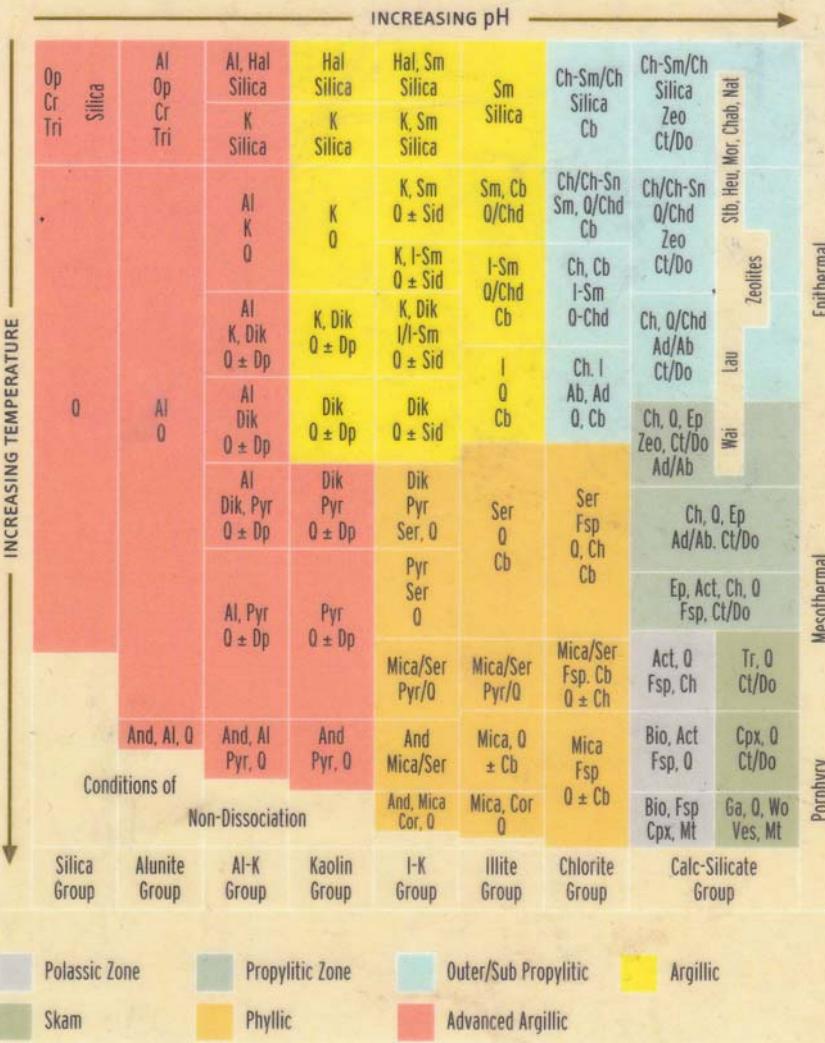
This first major stage of activity at Wafi is interpreted to be directly related to the emplacement of the porphyry intrusives and may be divided into two distinct separate phases :

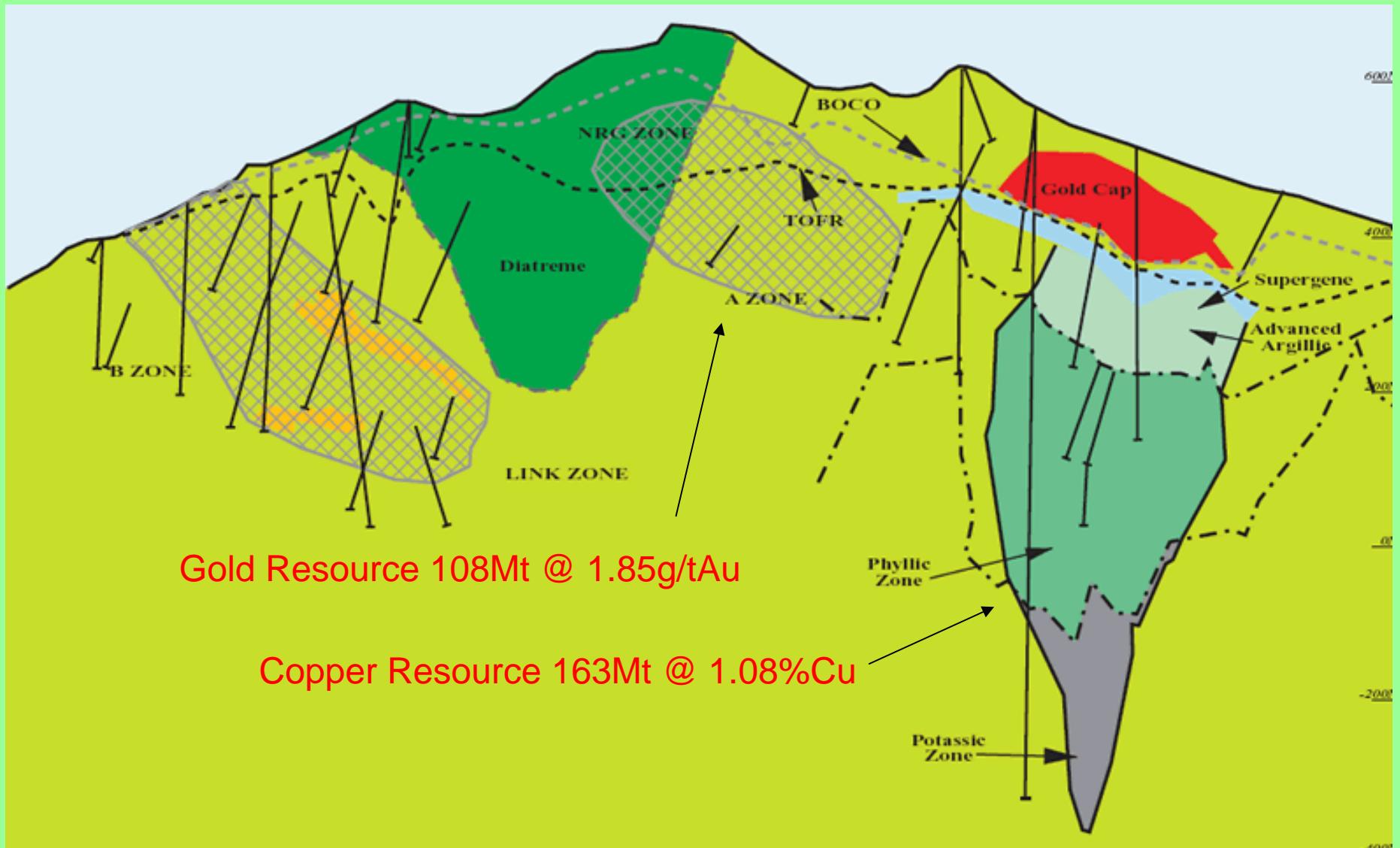


# Terry Leach & Co.

GEOLOGISTS  
PETROLOGISTS  
CONSULTANTS

## HYDROTHERMAL ALTERATION





**Schematic section showing relationships of the Mineral Resource:** Please note that the A zone and NRG zones are projected onto this section. The Zones bound the diatreme and are not hosted in it. The NRG zone fall above the Top of Fresh Rock(TOFR) in the weathered profile.