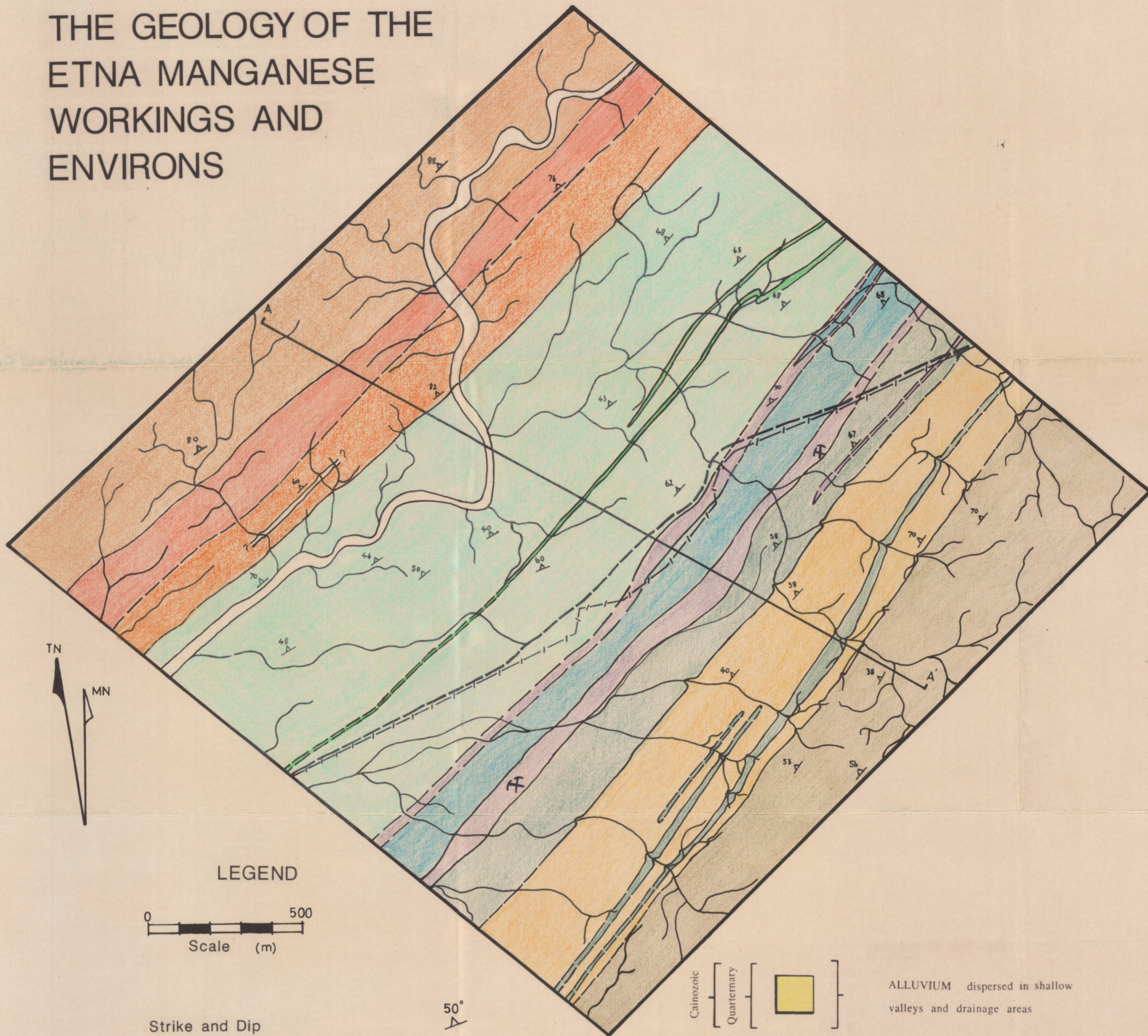
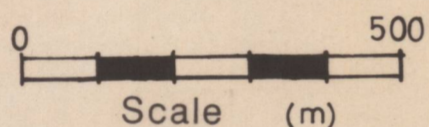


THE GEOLOGY OF THE ETNA MANGANESE WORKINGS AND ENVIRONS



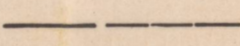
LEGEND



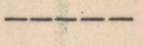
Strike and Dip

50°

Geological Contact good/inferred



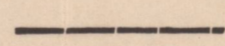
Trend lines



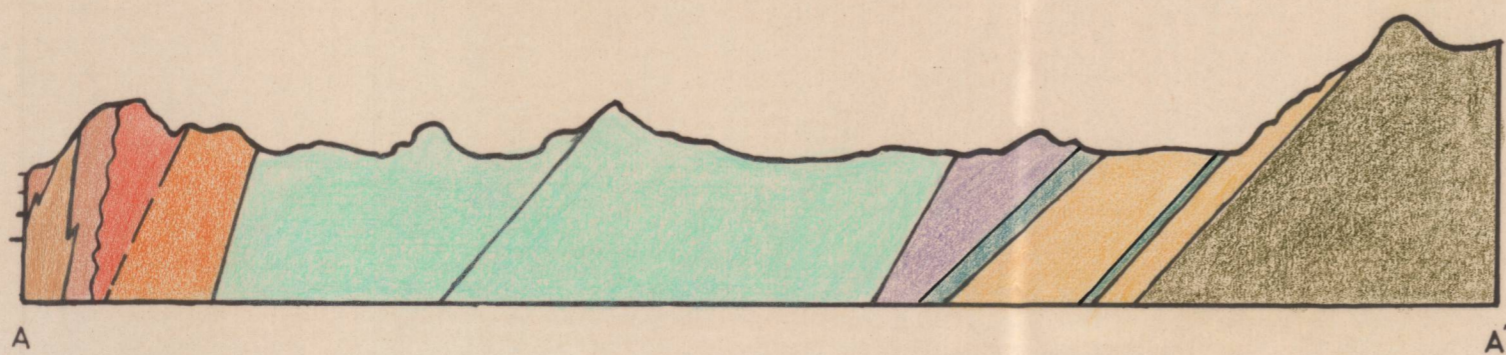
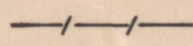
Mine



Road



Fence



Age Group	Formation	Description
Cainozoic	Quaternary	ALLUVIUM dispersed in shallow valleys and drainage areas
	Willpema Group	BRACHINA FORMATION red-brown well bedded fine sandy siltstone
Late Proterozoic	Willpema Group	ULUPA SILTSTONE grey-green very well bedded siltstone
	Elatina Formation	ELATINA FORMATION red cross-bedded feldspathic sandstone
	Wilmington Formation	WILMINGTON FORMATION massive red-brown sandstone; interbed of red-brown fine siltstone (inset)
	Umberatana Group	ENORAMA SHALE grey-green calcareous laminated shale; upper limestone interbeds
	Umberatana Group	ETINA FORMATION oolitic and sandy lime grainstone with interbedded grey and pale red sandy siltstone (inset)
	Umberatana Group	TARCOWIE SILTSTONE coarse grey to brown weathered sandy siltstone
	Umberatana Group	UROONDA SILTSTONE MEMBER massive poorly bedded grey-green siltstone
Umberatana Group	COX SANDSTONE MEMBER coarse massive to cross-bedded sandstone with minor Tarcowie Siltstone thin interbeds	