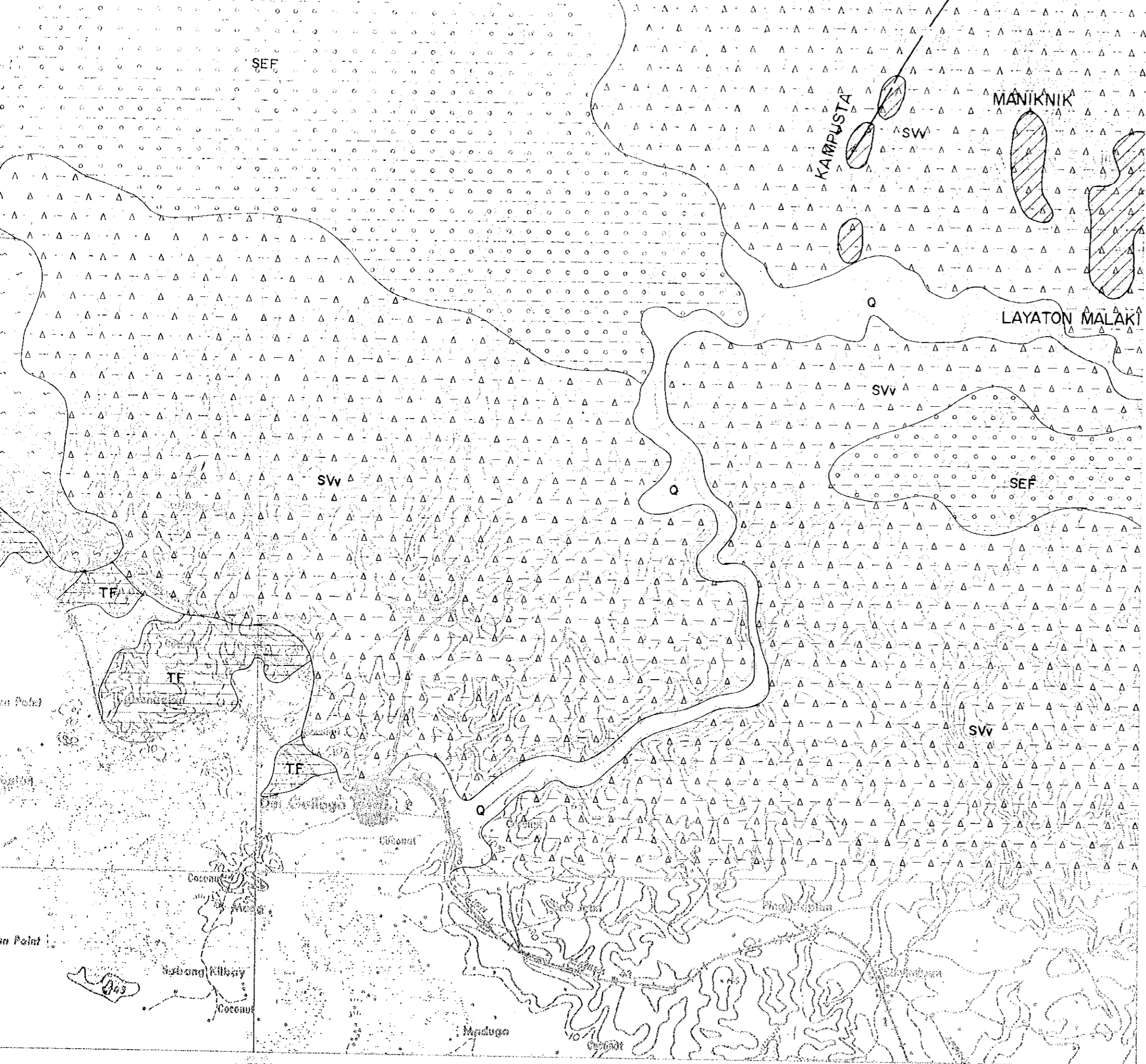


LEGEND

QUATERNARY	Alluvium	Q	Sand and gravel			
		LVP	Pyroclastic flow			
	Labo Volcanics	LVA	Andesitic and dacitic lava			
		LVA	Andesitic and dacitic pyroclastics			
	LVA	Andesitic and dacitic plug dome				
TERTIARY	Susungdaloga Volcanics	SVV	Dacitic lava, tuff and pyroclastics			
		SVD	Dacitic plug dome			
	Macagon F.	MF	Andesitic pyroclastics and tuffaceous black shale with minor basaltic flow			
	Sta. Elena F.	SEF	Conglomerate, sandstone, shale and minor limestone	Tamisan Diorite	TD	Diorite and dacite porphyry
Paleogene	Miocene	BFV	Basaltic flows, volcanic wackes, tuff breccia, chert and limestone			
		BFs	Conglomerate, sandstone, black calcareous shale and limestone	Paracale Granodiorite	PG	Gneissic granodiorite
	Paleocene	UF	Limestone, marl and calcareous shale			
CRETACEOUS	Tigbinan F.	TF	Graywacke, siltite, chert andesite, cherty limestone, black tuffaceous shale and arkosic sandstone	Ultramafic Complex	UC	Ferrotite, gabbro and epidiorite
PRE-CRET.	Schists	SC	Green schist and quartzite			

Fault

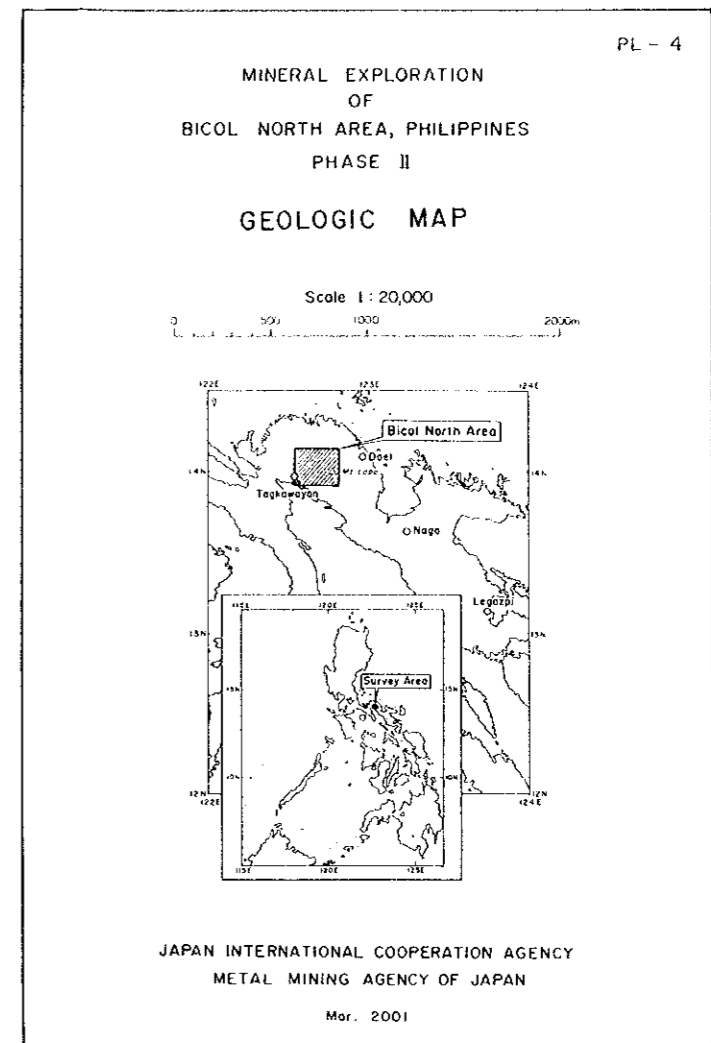
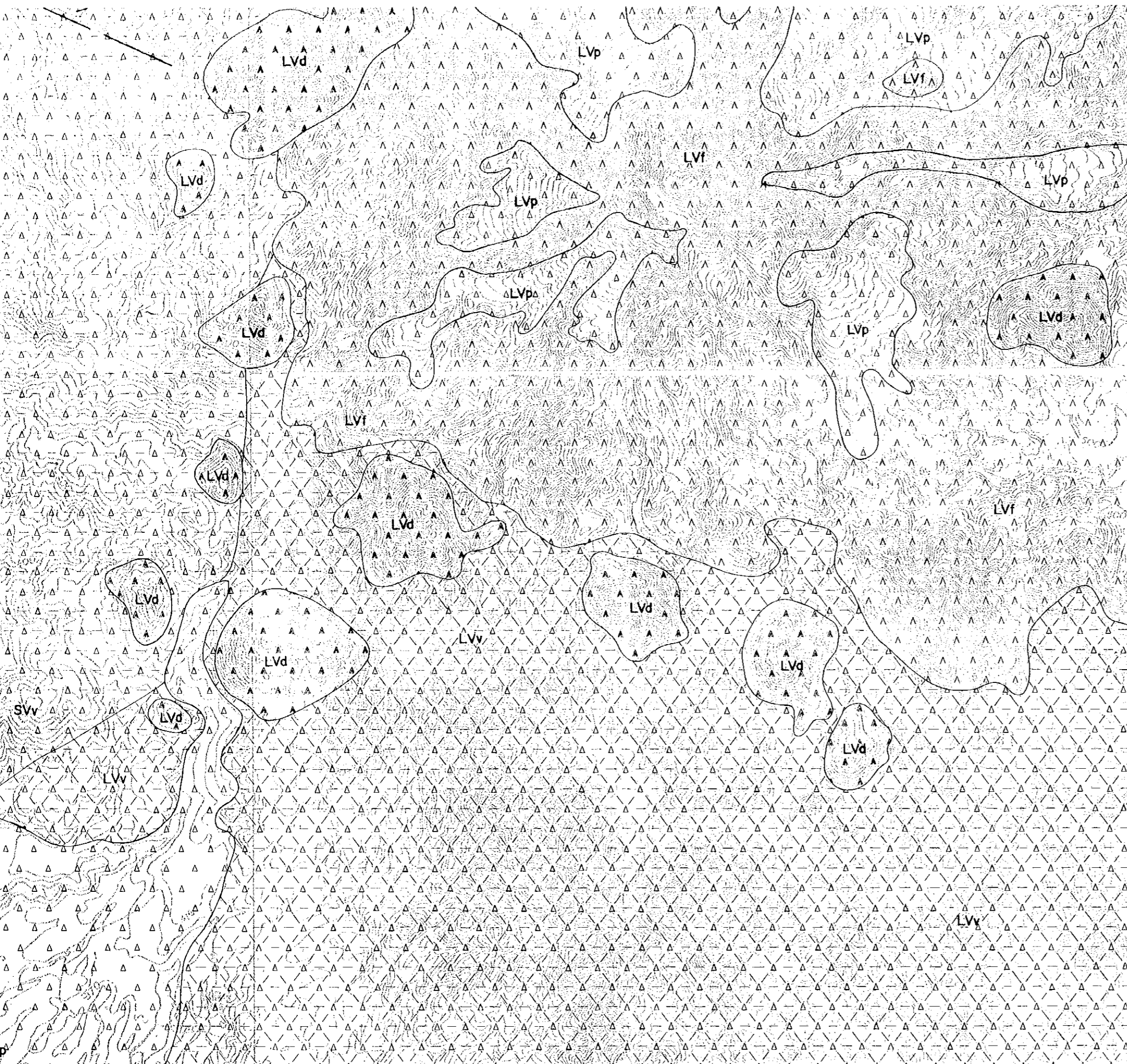


LEGEND

QUATERNARY	Alluvium	Q	Sand and gravel	
	Labo Volcanics	LVP	Pyroclastic flow	
		LVA	Andesitic and dacitic lava	
		LVD	Andesitic and dacitic pyroclastics	
		LVD	Andesitic and dacitic plug dome	
TERTIARY	Pliocene	SVv	Dacitic lava, tuff and pyroclastics	
		SVd	Dacitic plug dome	
TERTIARY	Miocene	MF	Andesitic pyroclastics and tuffaceous black shale with minor basaltic flow	
		SEF	Conglomerate, sandstone, shale and minor limestone	Tamisan Diorite (TD)
		BFv	Basaltic flows, volcanic wackes, tuff breccia, chert and limestone	
		BFs	Conglomerate, sandstone, black calcareous shale and limestone	Paracale Granodiorite (PG)
TERTIARY	Pleistocene	UF	Limestone, marl and calcareous shale	
		TF	Graywacke, siltite, chert andesite, cherty limestone, black tuffaceous shale and arkosic sandstone	Ultramafic Complex (UC)
PRE-CRET.	Schists	SC	Green schist and quartzite	

	Fault
	Thrust
	Syncline
	Anticline
	Alteration zone

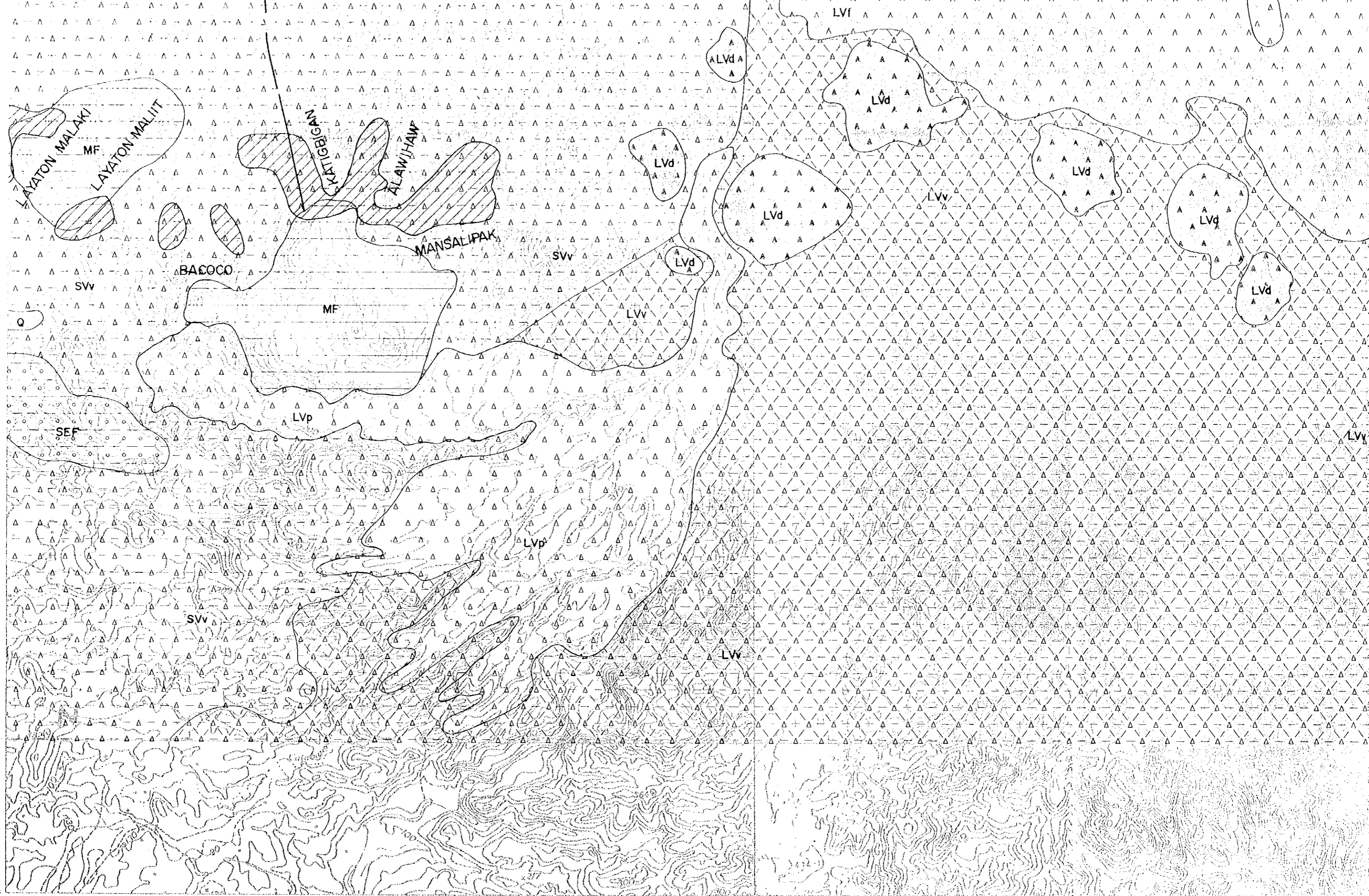
1:20,000

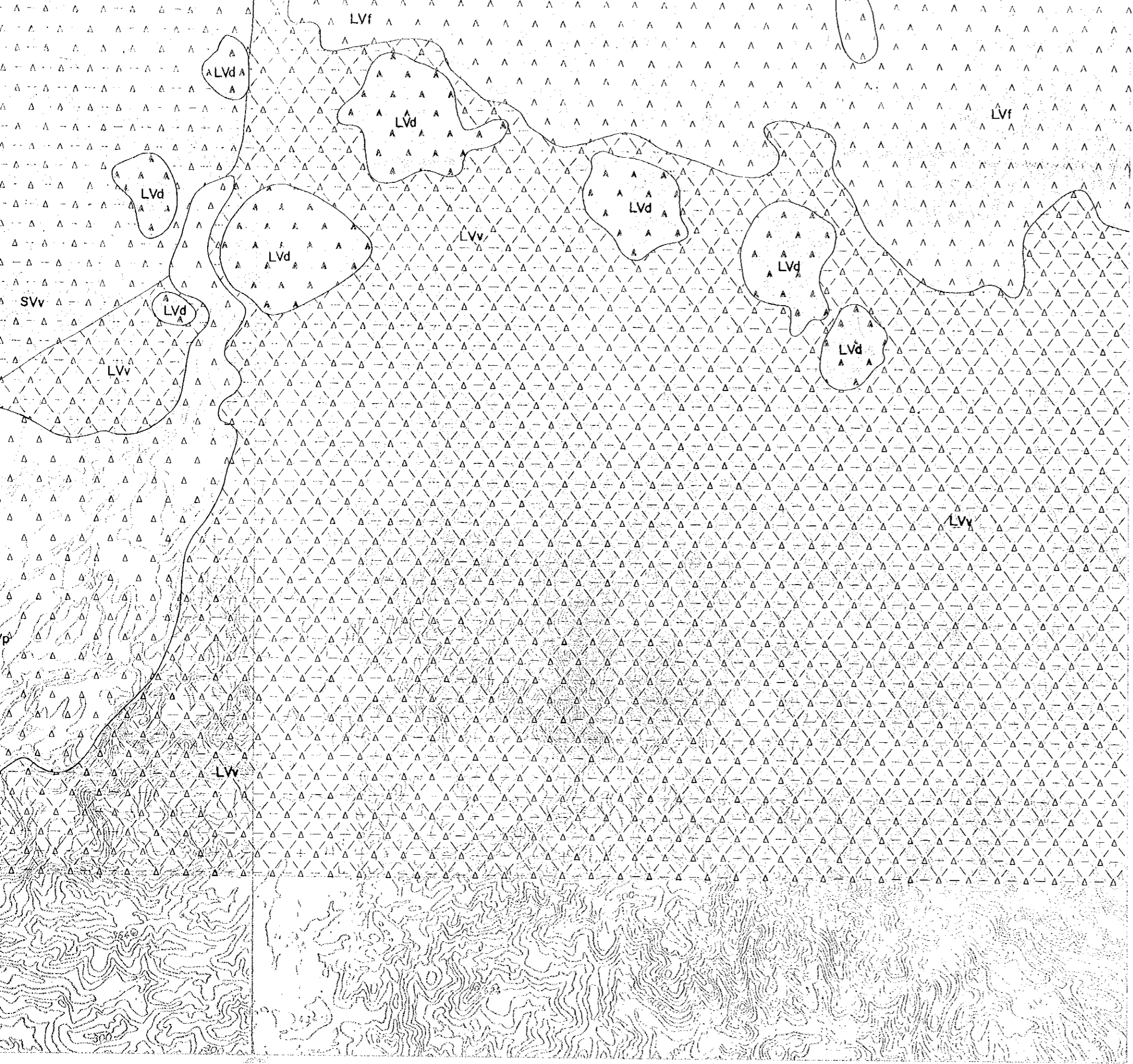


LEGEND

QUATERNARY	Alluvium	Q	Sand and gravel			
	Laba Volcanics	Lvp	Pyroclastic flow			
		Lvf	Andesitic and dacitic lava			
		Lvpd	Andesitic and dacitic pyroclastics			
		Lvd	Andesitic and dacitic plug dome			
TERTIARY	Pliocene	Swv	Dacitic lava, tuff and pyroclastics			
		Svd	Dacitic plug dome			
	Miocene	Macogon F.	Andesitic pyroclastics and tuffaceous block shale with minor basaltic flow			
		Sta. Elena F.	Conglomerate, sandstone, shale and minor limestone	Tamisan Diorite	TD	Diorite and dacite porphyry
Paleogene	Miocene	Basigon F.	Basaltic flows, volcanic wackes, tuff breccia, chert and limestone			
		Universal F.	Conglomerate, sandstone, black calcareous shale and limestone	Paracale Granodiorite	PG	Gneissic granodiorite
CRETACEOUS		Tigbinan F.	Graywacke, siltite, chert, andesite, cherty limestone, black tuffaceous shale and arkosic sandstone	Ultramafic Complex	UC	Peridotite, gabbro and epidiorite
PRE-CRET.		Schists	Green schist and quartzite			

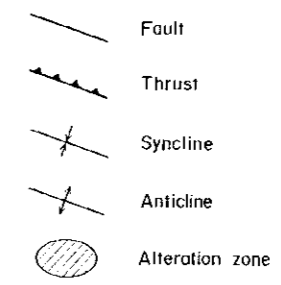
Fault





LEGEND

QUATERNARY	Alluvium	Q	Sand and gravel			
	Lobo Volcanics	LVP	Pyroclastic flow			
		LVI	Andesitic and dacitic lava			
		LVD	Andesitic and dacitic pyroclastics			
		LVD	Andesitic and dacitic plug dome			
TERTIARY	Susungdalaga Volcanics	SW	Dacitic lava, tuff and pyroclastics			
		SVd	Dacitic plug dome			
	Macogon F.	ME	Andesitic pyroclastics and tuffaceous black shale with minor basaltic flow			
	Sta. Elena F.	SEF	Conglomerate, sandstone, shale and minor limestone	Tarnisan Diorite	TD	Diorite and dacite porphyry
	Basogon F.	BFV	Basaltic flows, volcanic wackes, tuff breccia, chert and limestone			
BFS		Conglomerate, sandstone, black calcareous shale and limestone				
Paleogene	Universal F.	UF	Limestone, marl and calcareous shale	Paracale Granodiorite	PG	Gneissic granodiorite
CRETACEOUS	Tigbinon F.	TF	Graywacke, siltite, chert, andesite, cherty limestone, black tuffaceous shale and arkosic sandstone	Ultramafic Complex	UC	Pendolite, gabbro and epidiorite
PRE-CRET.	Schists	SC	Green schist and quartzite			



JICA