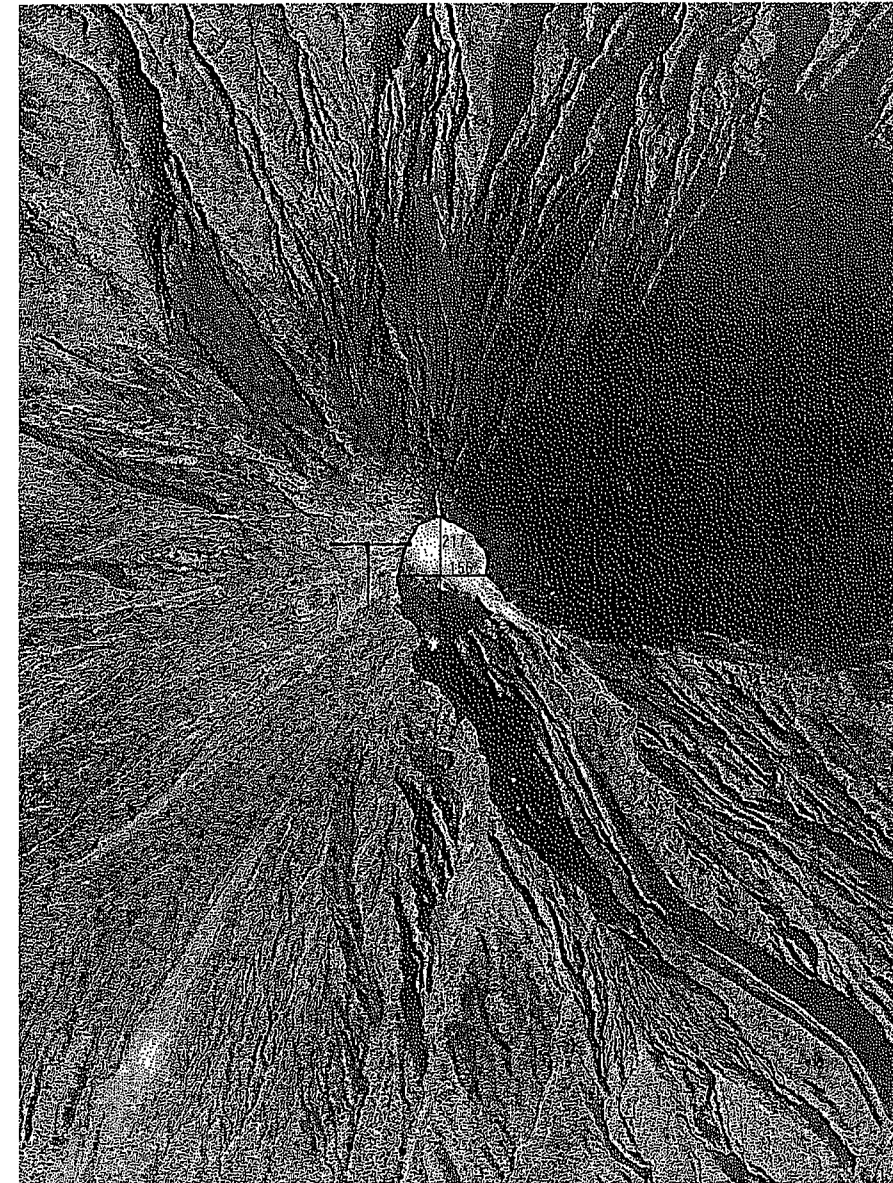
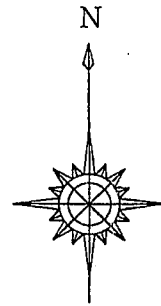
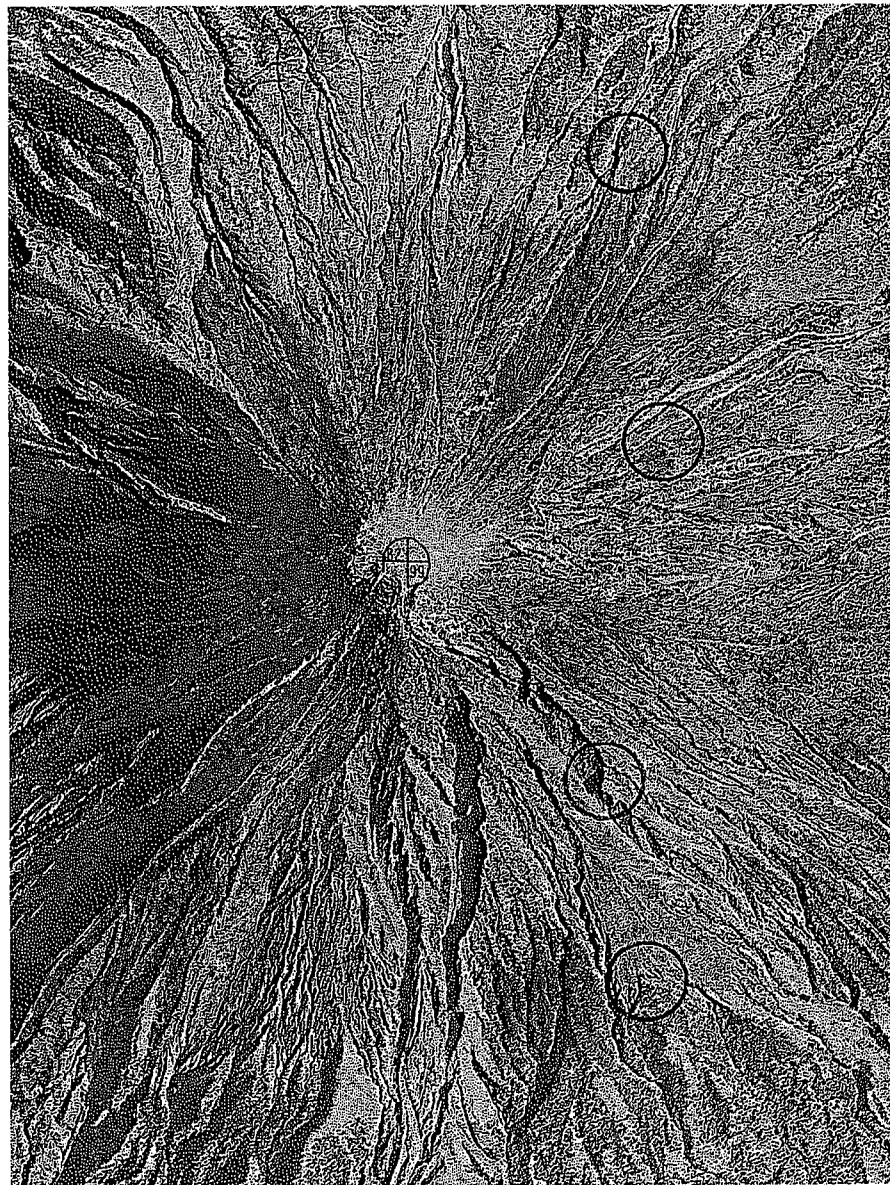


These 2 aerial photographs are taken in 1982 and 1999 around the summit. It is able to read the geomorphologic change with comparison of these 2 photographs



Date of Taking: FEB. 1999 (photo No.: C-10-3)
 The forcal distance: 151.55cm Photographing Altitude: about 4750m

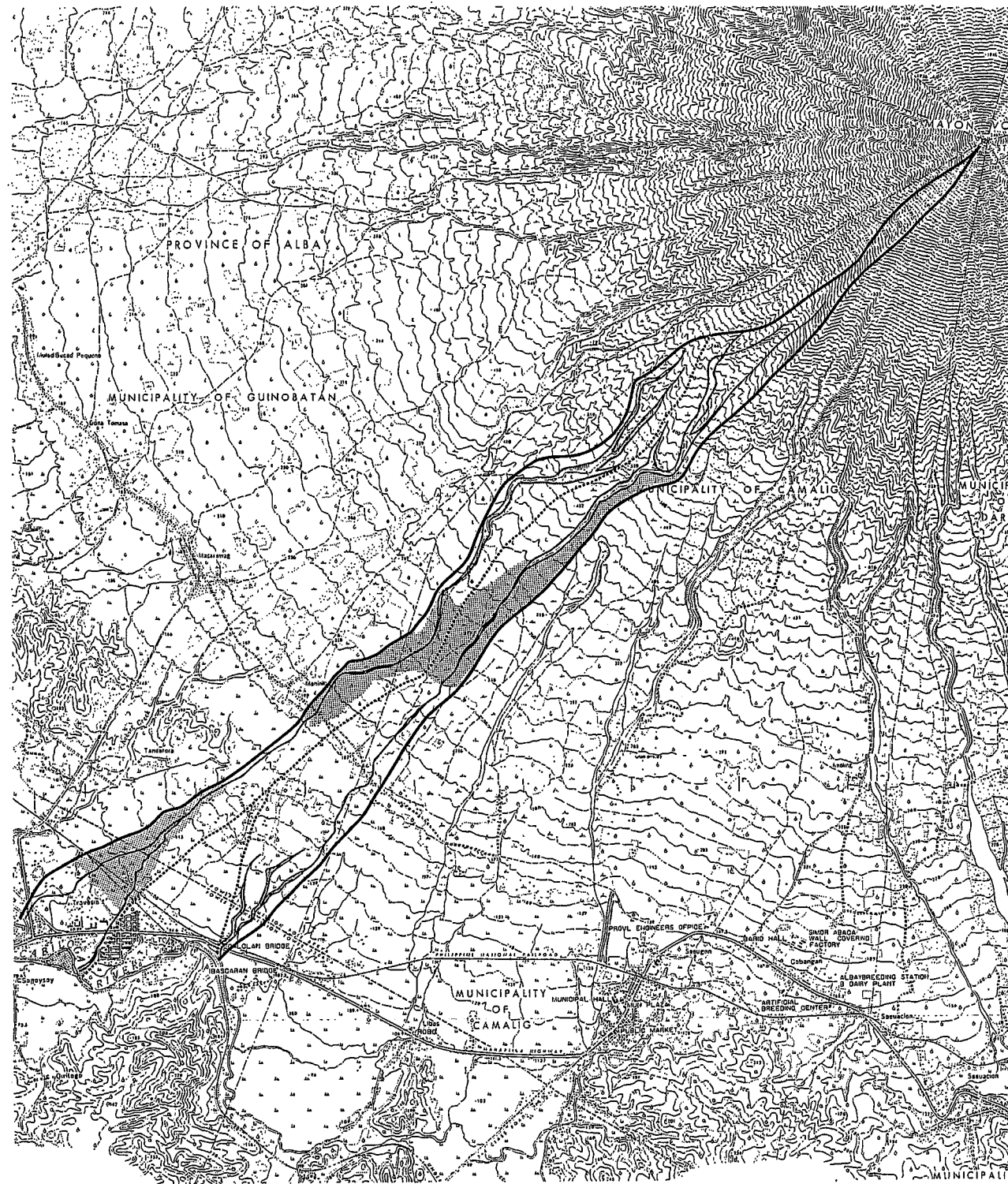
Diameter of the summit crater: E-W about 82m, S-N about 99m
 The southwestern side of summit crater is lower, and from there lava flew down.

Diameter of the summit crater: E-W about 156m, S-N about 217m
 The southeastern side of summit crater is lower, and the gully is formed from there to mountain foot. And in this gully there are lava flow deposit.

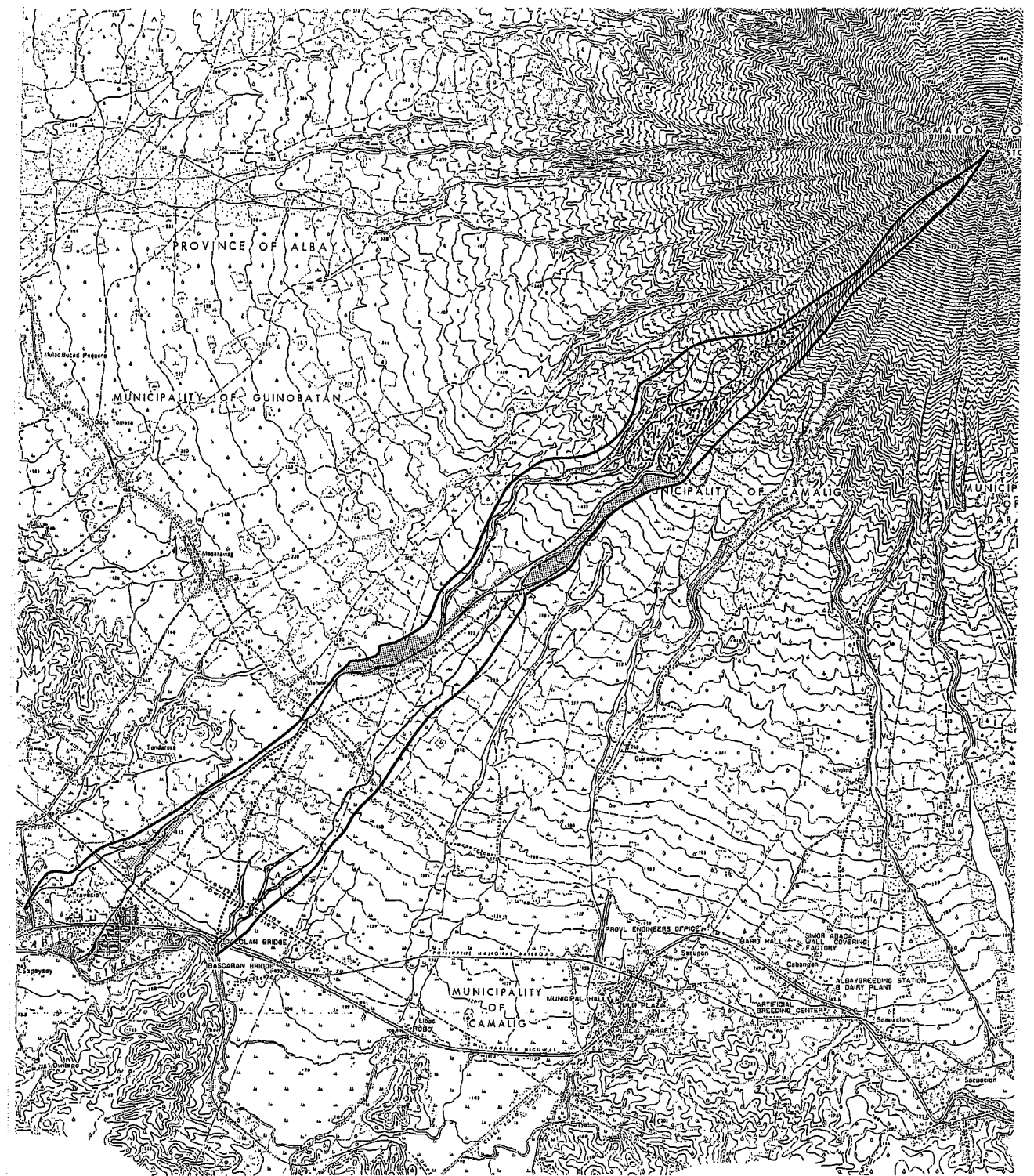
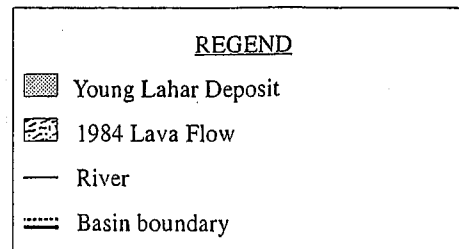
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Figure VI 2.7
 Comparison of the Aerial Photograph
 Around the Summit taken in 1982 and 1999



Maninila River FEB. 1982



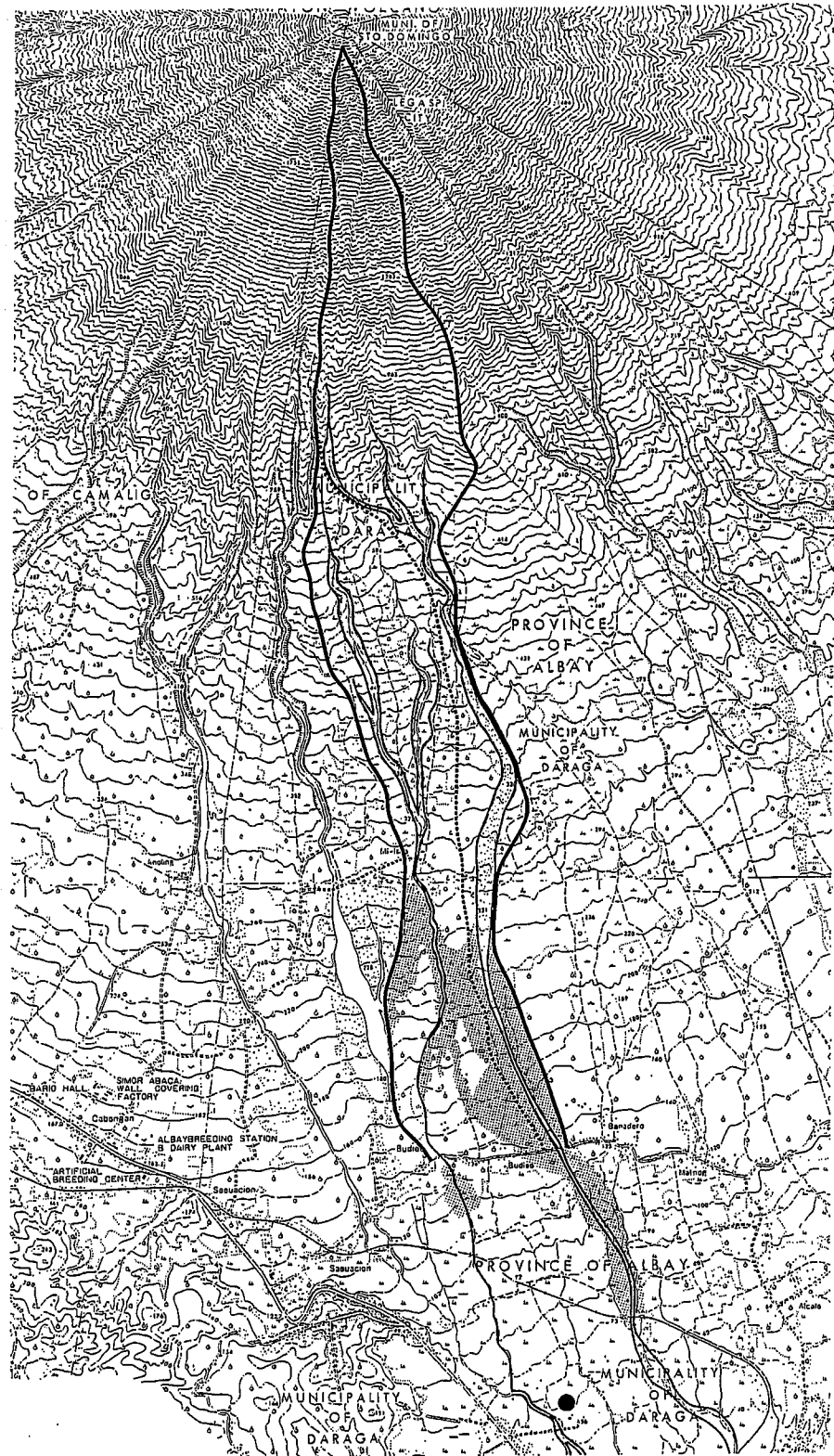
Maninila River FEB. 1999

Middle part of Maninila River there is obvious geomorphologic change. It is considered that the river capture was occurred from 1982 to 1999. The location of the divide of each river has changed. So change of each catchment area is follows as:
 The right tributary : 4.2 km³ (1982) → 2.3 km³ (1999)
 The left tributary : 3.3 km³ (1982) → 5.0 km³ (1999)

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Figure VI 2.8
Geomorphologic Change by Comparison of
1982 and 1999 in Maninila River

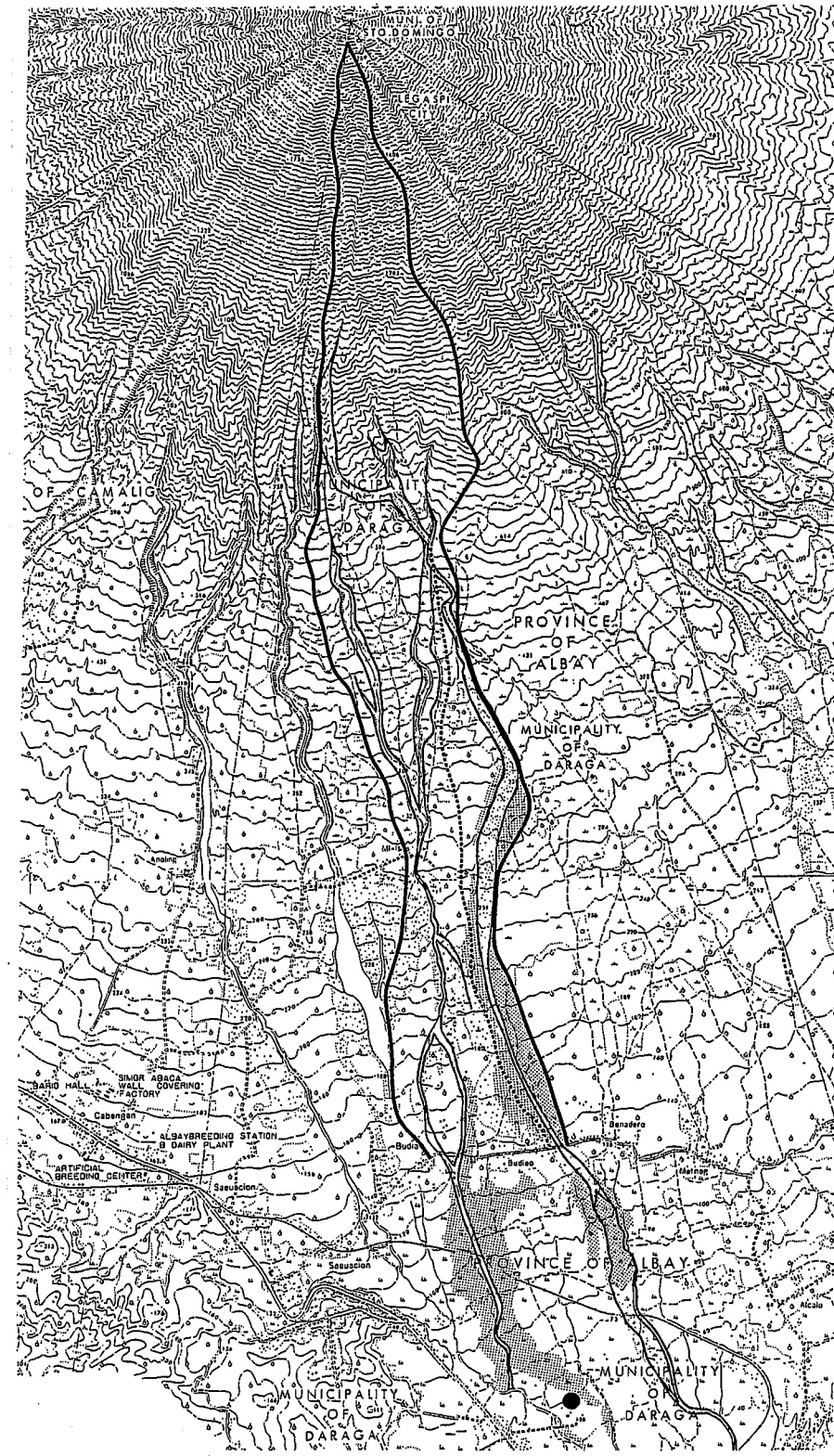


Anoling (c) River and Budiao River FEB. 1982

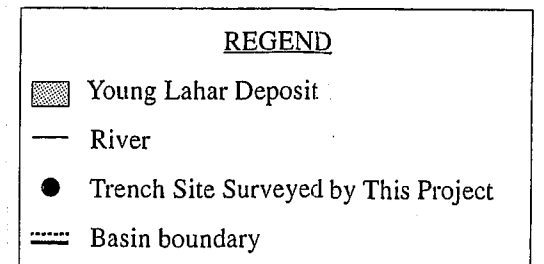
Upper part of Anoling (c) River and Budiao river basin there is obvious geomorphologic change. It is considered that the river capture was occurred from 1982 to 1999. The location of the divide of each river has changed. So change of each catchment area is follows as:

Anoling (c) River : 3.0 km^3 (1982) \rightarrow 5.1 km^3 (1999)

Budiao River : 3.1 km^3 (1982) \rightarrow 1.0 km^3 (1999)



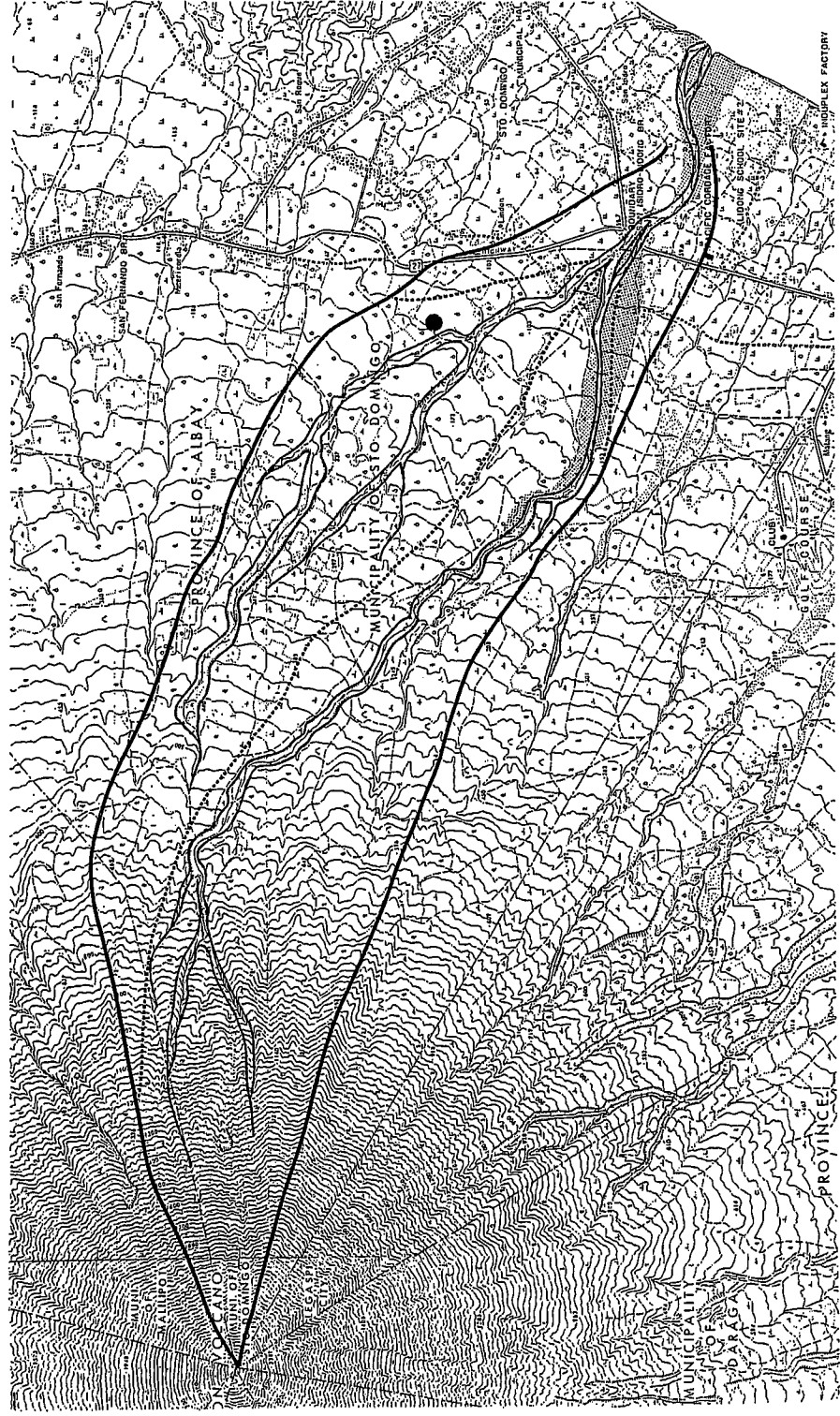
Anoling (c) River and Budiao River FEB. 1999



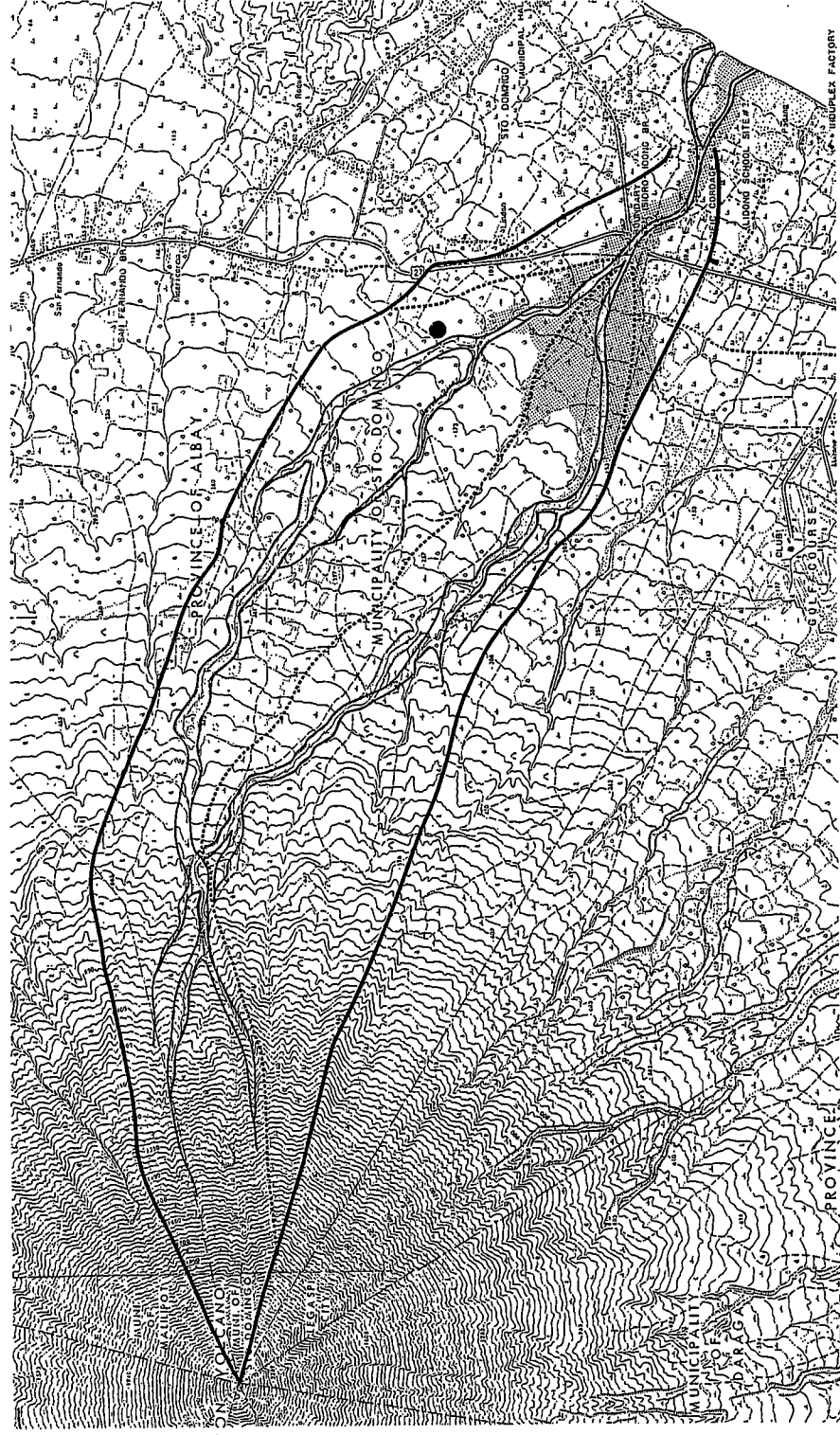
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Figure VI 2.9
Geomorphologia Change by Comparison of
1982 and 1999 in Anoling(C) River and
Budiao River







Basud River FEB. 1982



Basud River FEB. 1999

REGEND

-  Young Lahar Deposit
-  River
-  Trench Site Surveyed by This Project
-  Basin boundary

Upper part of Budiao river basin there is obvious geomorphologic change. It is considered that the river capture was occurred from 1982 to 1999. The location of the divide of each tributary has changed. So change of each chatchment area is follows as:
 The right tributary : 8.0 km² (1982) → 5.6 km² (1999)
 The left tributary : 5.6 km² (1982) → 7.8 km² (1999)
 Anoling (c) River and Budiao River FEB. 1982
 Anoling (c) River and Budiao River FEB. 1999

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Figure VI 2.10 Geomorphologic Change by Comparison of 1982 and 1999 in Basud River