



Fig.3 - Geomorphological detailed map of Francão river valley (Louisa-Bucelas cuesta). 1 - Height (in meters); 2 - River; 3 - Geological limit; 4 - Lisbon's Volcanic Complex (Neo - Cretaceous); 5 - Limestones (upper Cenomanian); 6 - Marls and early limestones (Albian-middle Cenomanian); 7 - Main scarp (limestones); 8 - Secondary scarp (early limestones); 9 - Secondary scarp (basalt); 10 - U-shaped valley; 11 - Gully; 12 - Colluvial terrace; 13 - Flood terrace; 14 - Alluvial plain; 15 - Rectilinear slope; 16 - Concave slope; 17 - Landing; 18 - Colluvium; 19 - Badly consolidated groove; 20 - Limestone and basalt rockfalls; 21 - Recent landslide scar; 22 - Recent landslide limit; 23 - Recent slid rock mass; 24 - Generalized landslide; 25 - Active earth slide due to lateral sapping; 26 - Old landslide scar (certain; probable); 27 - Old landslide limit; 28 - Old landslide rock mass; 29 - Felicular solifluction; 30 - Rill-wash; 31 - Laminar erosion; 32 - Erosion level; 33 - Road; 34 - Stone-pit.