



Geomorphological Features of the Gallipoli Peninsula

Akif Karatepe (1) and Cercis İkiel (2)

(1) University in Geography Department, Turkey, akaratepe@sakarya.edu.tr, (2) University in Geography Department, Turkey, cikiel@sakarya.edu.tr

Goal of this study, to explore of main geomorphologic structures and terrain features of the Gallipoli Peninsula. Terrain characteristics of peninsula will be classified into series of land systems, such as geology, geomorphology, hydrology, vegetation. While doing these things which mentioned above, GIS (Geographic Information Systems) will be required as an essential toll for determining of the land systems of peninsula. Depending on the GIS, DEM (Digital Elevation Model) and paper based topographical maps will be used during the study.

Visualization and analyzing of spatially oriented data, geographic information system (GIS) are inevitable spatial technologies. Last decades GIS has been very important application instrument for geologic and geomorphologic studies, like other branch of earth sciences.

Consequently, in this study, geomorphologic units of the Gallipoli Peninsula is going to be explore whereby GIS and its extensions Spatial Analyst, and 3D Analyst.

Key words: Gallipoli Peninsula, Geomorphology, GIS (Geographic Information Systems)