

DIGITAL CARTOGRAPHIC ACTIVITIES IN GENERAL COMMAND OF MAPPING (TURKEY)

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The General Command of Mapping (GCM), with her 100 years of historical past, is an organization fulfilling main mapping activities in Turkey.

Up today, map production is carried out with conventional methods. Besides, after 1990 some digital works have begun but these were not oriented to map production. One of these activities is the digitization of elevation contour lines of 1:25000 scale sheets and calculation of digital terrain models by use of these files. The second one which is the most important project of GCM is the creation of a National Geographic Data Base (NGDB) and it has been started by mid 1990.

The GCM has started these works with the procurement of two workstations, one raster scanner, one pen plotter and one mini computer. In time the number of hardware has been augmented and the number of W/S has reached 24. On the other hand Intergraph's IGDS, MGE softwares as well as ESRI's ARC/INFO software were purchased and some trial works with the production mentioned above paragraph have been realized.

In 1994, two W/S with ARC/INFO software were delivered to Cartographic Departement in order to start digital cartographic activities. Within this frame the production of digital contour separates by use of digital elevation file has been designed. The creation of digital hydrographic separate as well as transfer of hydrographic data in to NGDB is also taking part within this design.

In this paper, it is intended to give information about the establishment of digital contour and hydrographic separates by use of ARC/INFO software, problems faced and their solutions.