

## INVESTIGATION OF AVAILABILITY REMOTE SENSED DATA IN CADASTRAL WORKS

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In cadastral applications, quality of data is important all over the world for land ownership and border. Country which need to high precision for cadastre as Turkey, data production and application process require to more time, labor and cost. Developing technology leave a positive impression to type and quality of the data used in Geomatics. Remotely sensed data such as aerial orthophotos and satellite images, in studies that require precision has been used widely with modern technology. Therefore, it is necessary to investigate the availability of remotely sensed data in cadastral works. In the cadastral works, objects as parcel boundaries, buildings, roads, fountains, transformers etc. which is a subject to real property needs to be survey. In this study, extraction of objects which needs to be surveyed during cadastral works, directly by orthophotos and satellite images will be examined. For this reason, object and pixel based classification techniques will be used for the extraction of real property objects from images. Accuracy of results will be determined by comparing with field surveys and current cadastre data on Aksaray city.

**Keywords** Remote sensed data,Cadastre,Image classification,Precision