Classification of Archaeological Features from UAV-Based Very High Resolution Images

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SUMMARY

UAV-based photogrammetric mapping has been a very effective tool over too many new studies. The images taken from very low altitude(15-20m) in the province of, Turkey-Tokat-Sulusaray by an UAV with Sony-a600 camera were used to classify urban feature. Using the software provided by ESRI, images of the study area, suffcent ground control points, dense point cloud, DSM and orthomosaic were obtained to extract features. To classify archaelogical features such as walls, stones, channels and some other features were studied in archaelogical manner. With this purpose, multi-scale segmentation method was used. Search results show that this method of classification of UAV-based data were exsellent tool to classify archaelogical features in very much detail.

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