



Development of Maintenance Technology of Sea Dike Using Drone

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Due to the recent drone technology and mapmaking technology, orthomorph image and digital surface model(DSM) are able to provide the possibility of their utilization about maintenance works of sea dike. Actually, because covering stones of sea dike have damaged from wave, periodic inspection is need manually. If drone is used to examine about it, management works would be effective. Therefore, we suggest new technology using drone image that damaged covering stone can be figured out. The point, elevation, area, volume, etc. of damaged stone can be measured and we plan to repair damaged stone easily. It is possible to monitor the area of the frequent happening of relaxation and dislocation of covering stones by the time series image shooting drone work.