Suggested topics: Remote Sensing Applications / Coastal Zone

Title:

Long-term shoreline changes on the Baeksajang beach, west coast of Korea

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Prefer oral presentation

Abstract:

Long-term shoreline changes on the Baeksajang beach, west coast of Korea were investigated using seven sets of aerial photographs taken from the year 1985 to 2012. Both ground control points and check points which were surveyed by VRS-GPS techniques were used to orient photographs absolutely. Shoreline of the study area was defined as the Approximately Highest High Water Level (3.5 m above datum). Such 3-D shoreline as well as 1 m and 2 m contours were mapped and compiled into time-series data sets. GIS techniques associated with Digital Shoreline Analysis System were employed to estimate rate of shoreline changes.