Airborne Lidar



From Alan D. George

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| **Goal** | Morphological measurements |
| **Typical area** | Salt marshes, mangroves, tidal flats, dunes, beaches |
| **Typical time resolution** | Months–decades |
| **Investment costs** | < 15,000 per flight |
| **Operation Costs** |  |
| **Labor** | Medium |
| **Spatial Coverage** | High (> 1 km2) |
| **Time Frequency** | Interval  |
| **Detail level** | low (100–150 mm vertical resolution) |

**Method**

The plane with the airborne Lidar system flies in a certain pattern to cover and collect the data from the study area. The data is processed in GIS software’s and converted in to digital elevation models thru interpolation methods.

**Materials**

* Airborne LiDAR

**Additional information**