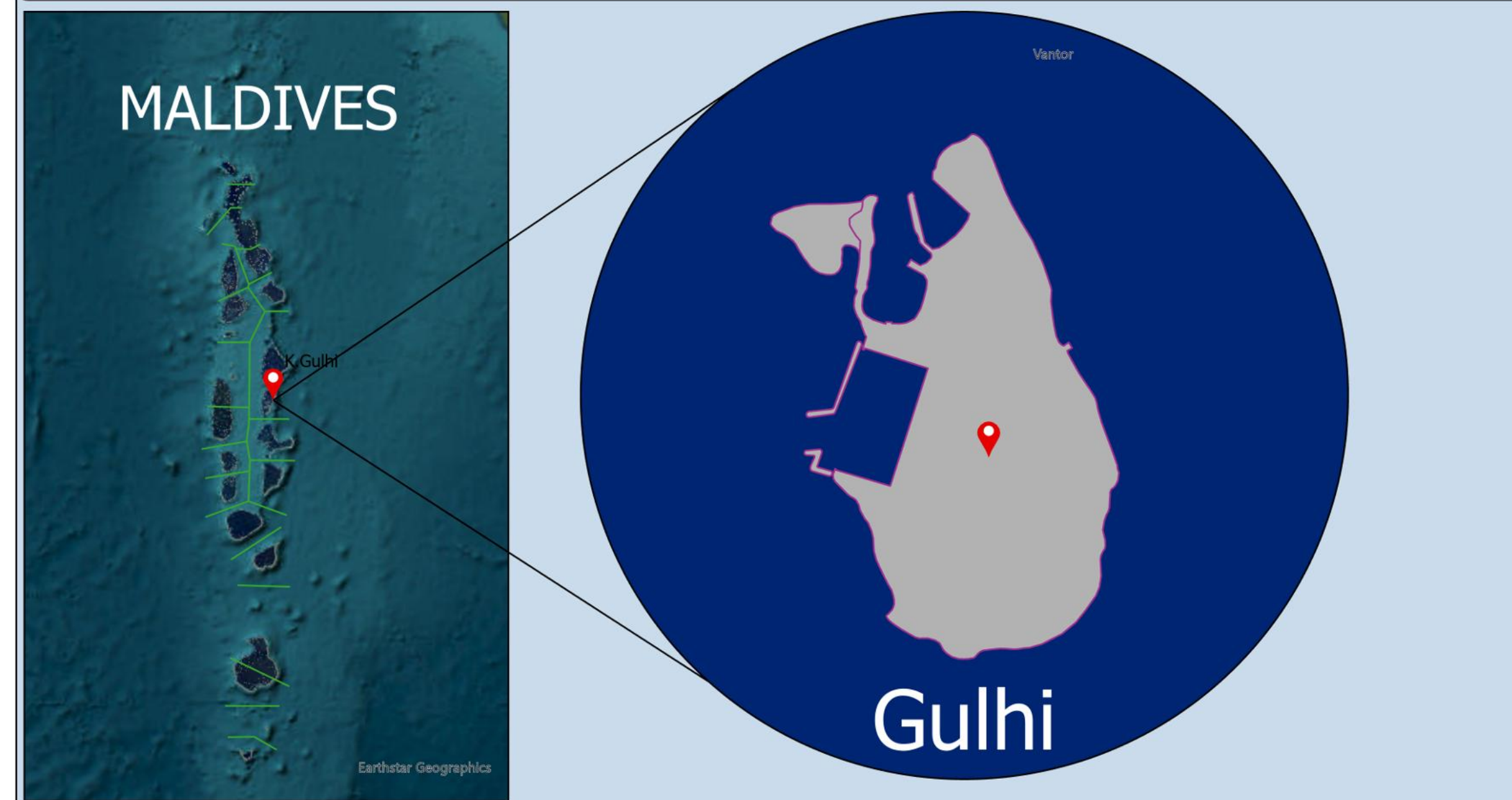


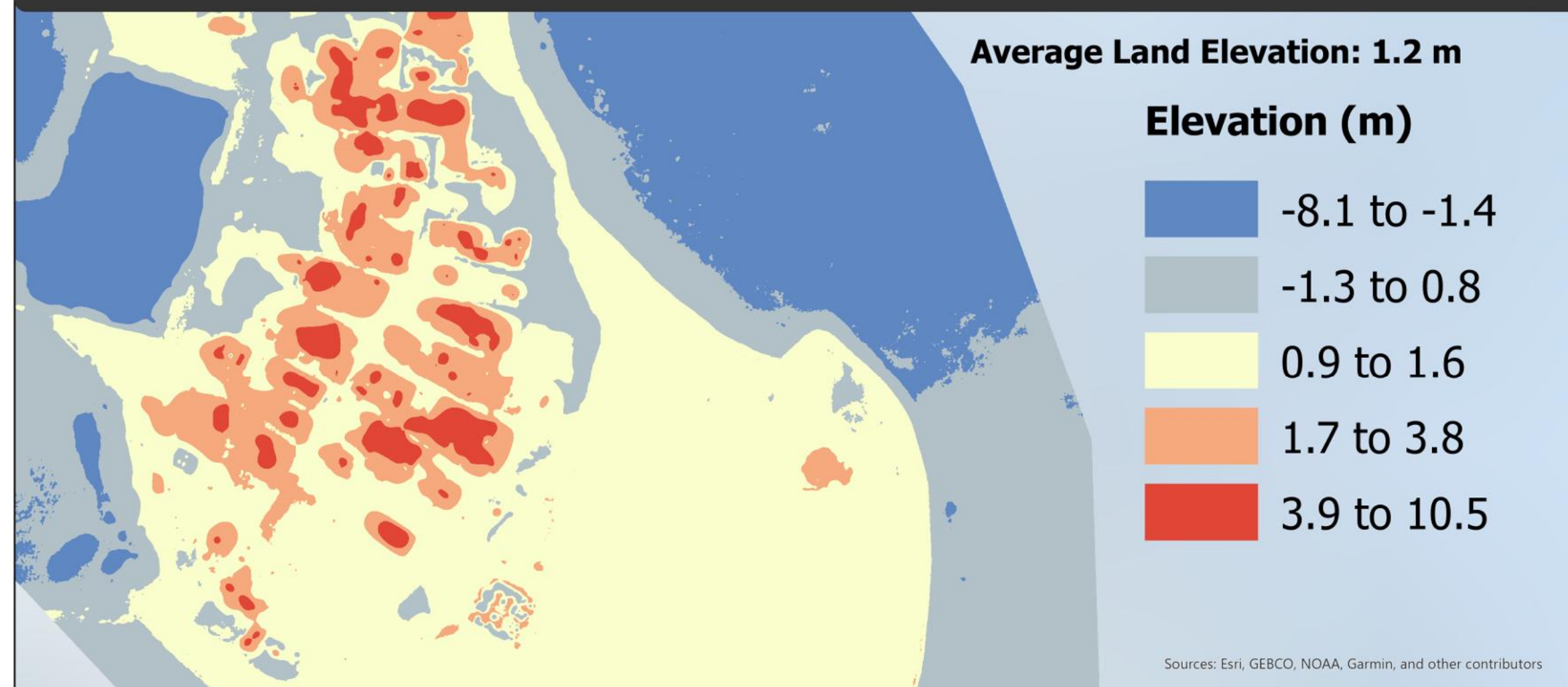
DRONE-BASED COASTAL PLANNING MAP OF GULHI ISLAND, SOUTH MALÉ ATOLL, MALDIVES

This map presents a drone-based spatial assessment of Gulhi Island, South Malé Atoll, integrating high-resolution orthomosaic imagery with terrain elevation, slope and proposed land-use information. Drone-derived geospatial products provide a detailed representation of the existing built-up area, harbour and reclaimed land designated for future development. The map demonstrates how high-resolution drone mapping and GIS can support coastal and land-use planning in small island environments of the Maldives.

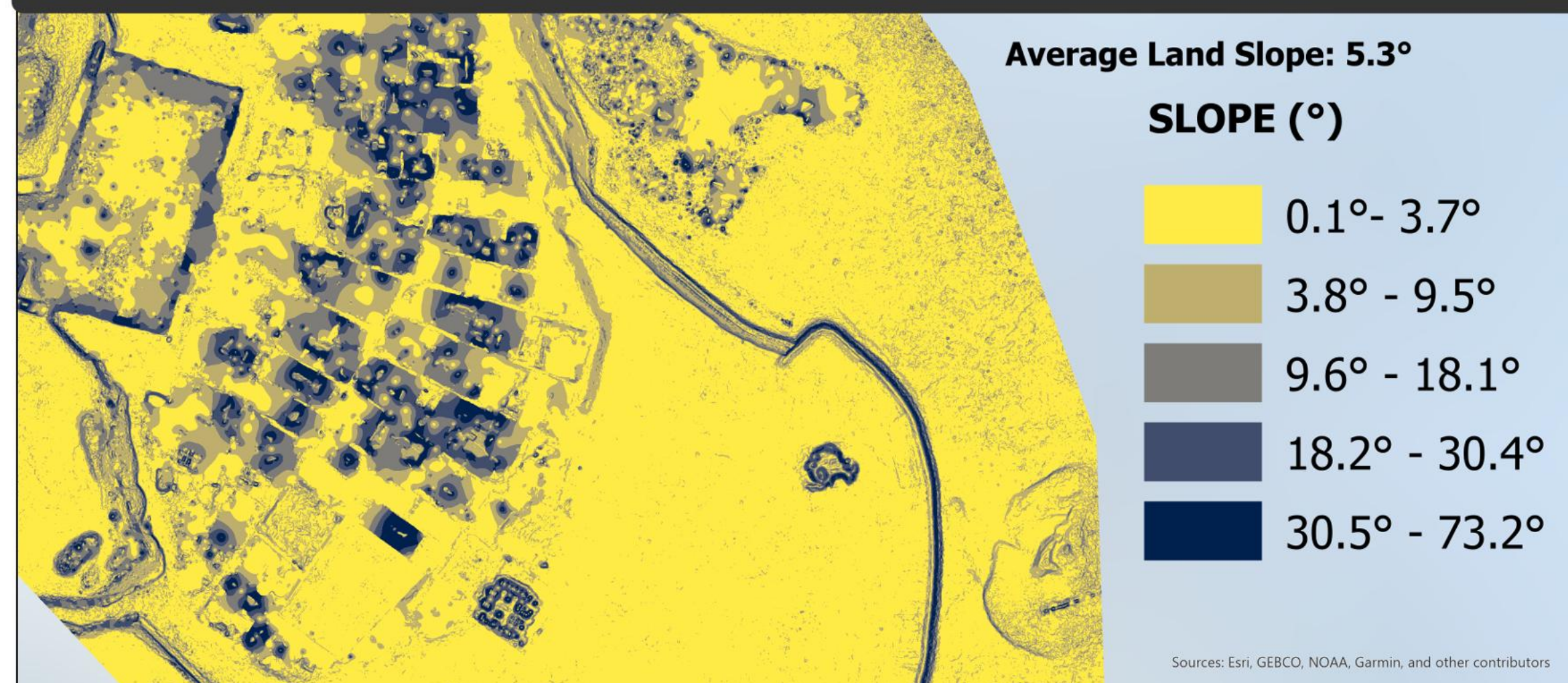
1. LOCATION MAP



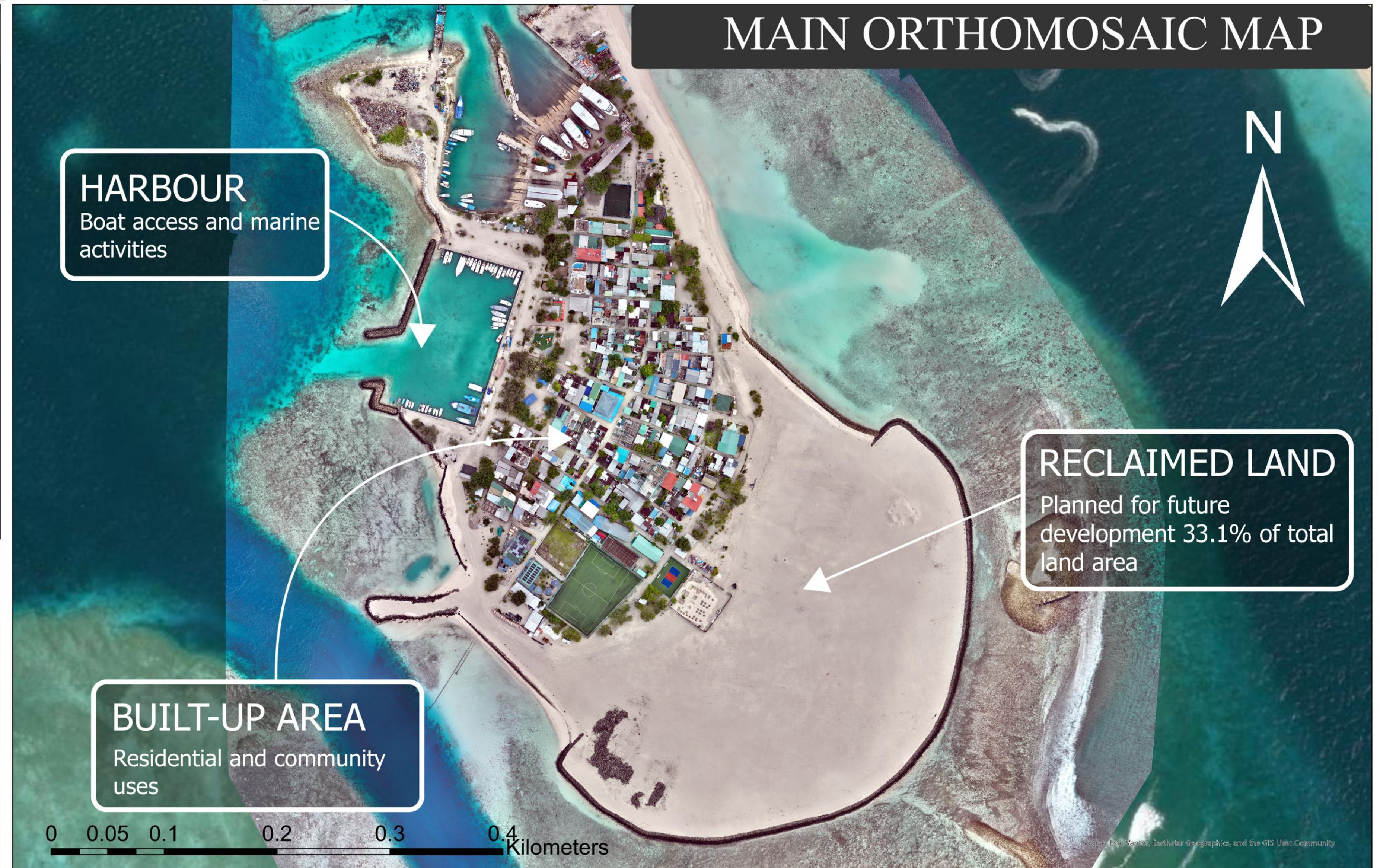
2. ELEVATION MAP



3. SLOPE MAP



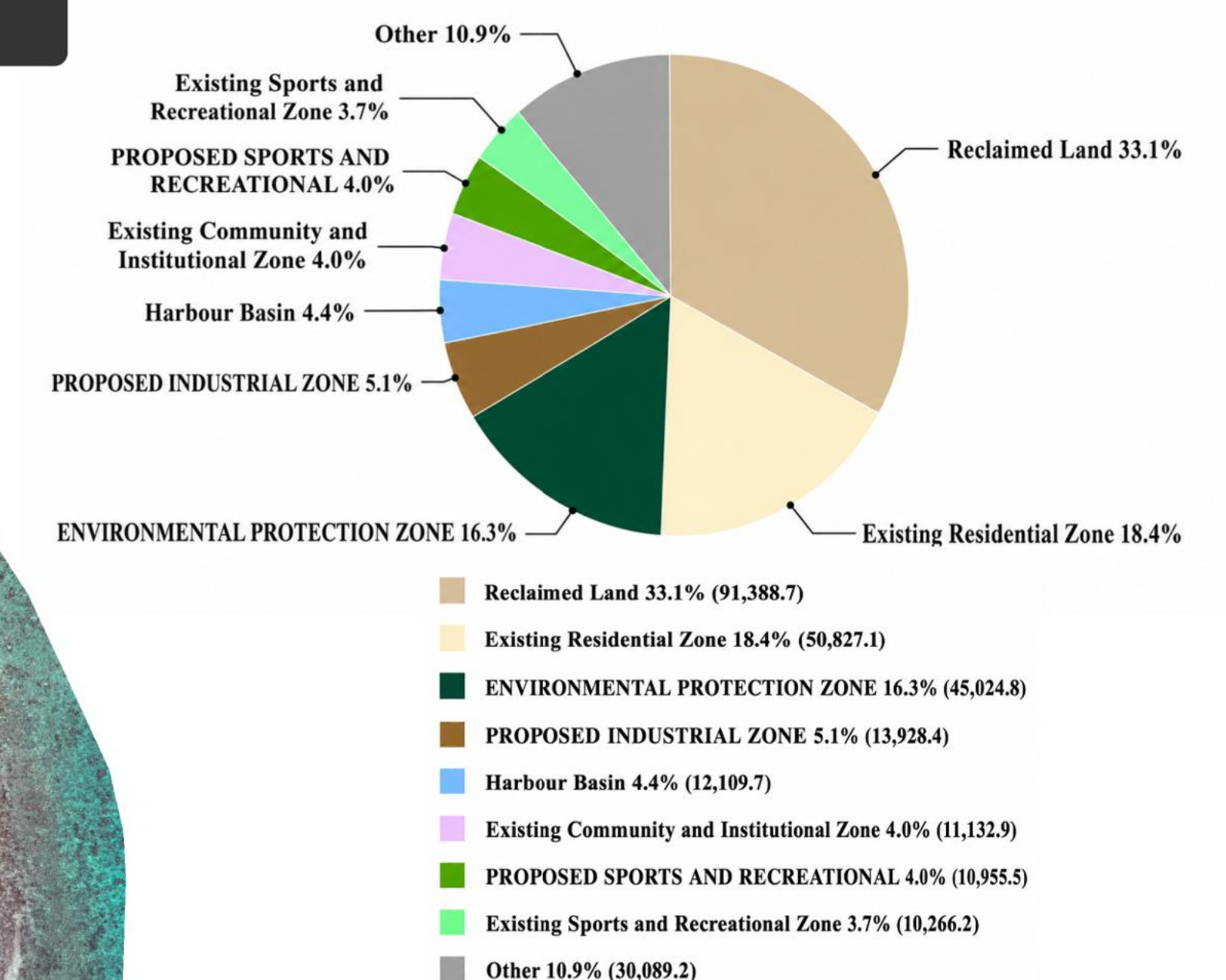
MAIN ORTHOMOSAIC MAP



4. LAND USE PLAN



LAND AREA COMPOSITION (%)



Photogrammetry: Pix4Dmapper — Orthomosaic and terrain data processing
GIS & Cartography: Esri ArcGIS Pro — raster visualization, terrain and slope mapping, land-use integration, spatial data management and cartographic layout

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