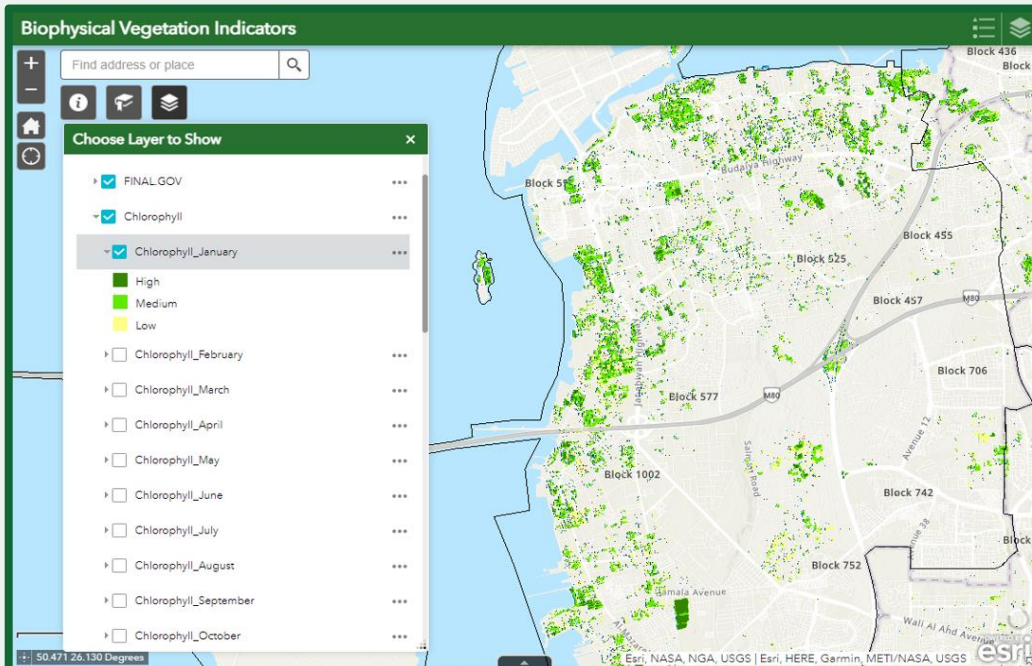# Biophysical Vegetation Indicators (2020)

Project Results

Project Results
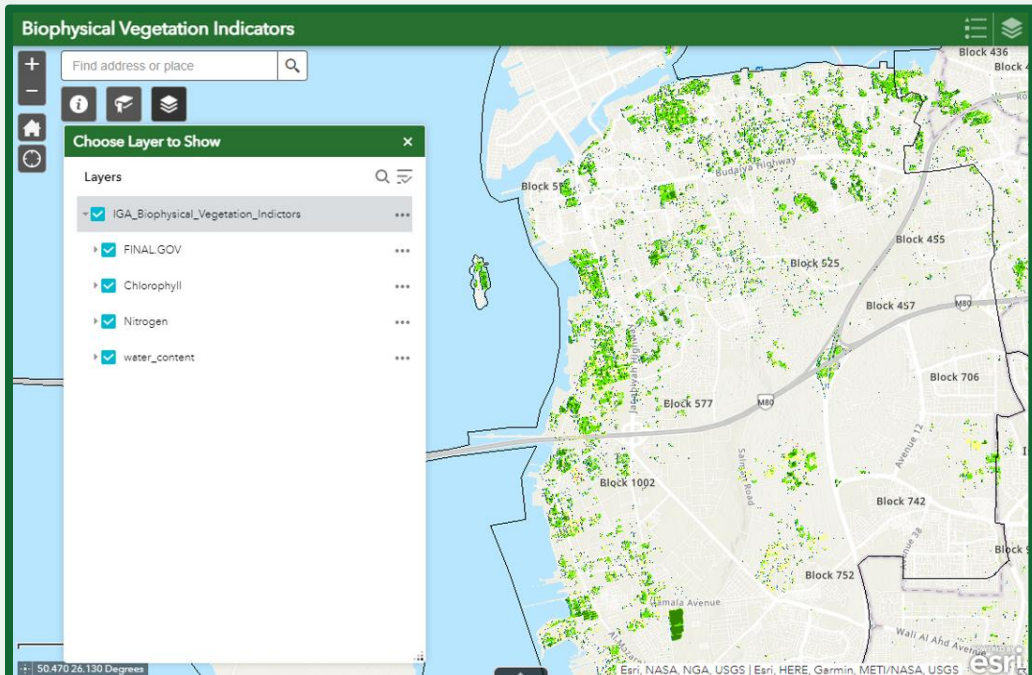
Biophysical Vegetation Indicators like Chlorophyll, Nitrogen and Water Content levels in the soil for all areas in Bahrain can be viewed using the GIS Application.

Chlorophyll levels (High, Medium and Low) in the soil for all areas in Bahrain can be viewed using the GIS Application.

Project Results

The following are the most important results of this study:

01 — 48 detailed maps of plants vital indicators were produced, with 12 maps for each indicator.

02 — The maps show the different vegetation areas in the Kingdom of Bahrain and classifies them according to the different concentrations for each indicator, where the concentrations vary from low to high.

03 — Areas where plants suffer from water stress were identified throughout the year, and areas with leaf water content abundance were identified.

04 — Areas with high chlorophyll concentrations have been identified as well as areas showing high level of nitrogen , which indicates good plant health. Additionally, areas with low chlorophyll and nitrogen concentrations were identified, which indicates potential problems in plant health.

05 — Marine plants such as mangroves and their general health have been identified.
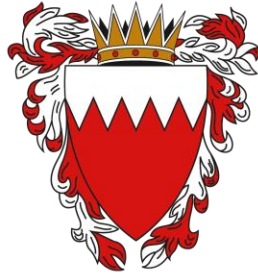
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