Bahrain Vegetation Survey (2010)

Project Information

The Bahrain vegetation survey is part of the general census conducted in 2010 by the Information and eGovernment Authority , it aims to utilize Remote Sensing(RS) methodologies to efficiently and accurately survey the vegetation in Bahrain.

Project Scope

1 To survey and map in detail the different vegetation in terms of type and area size for the Kingdom of Bahrain.

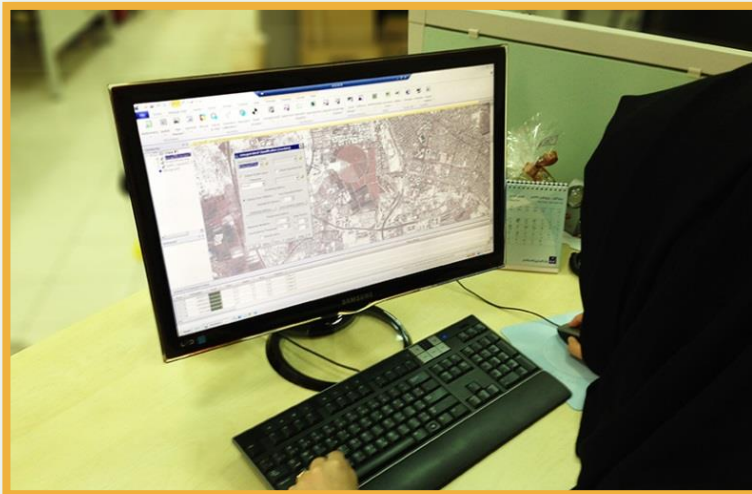**2** To identify the general plant health.

Methodology

1 **Pre-Classification:**
Multispectral High resolution (GeoEye 1 0.46 m) satellite imagery acquisition & preparation.

Example of Near Infra-Red Imagery

Imagery Preparation

Methodology

Classification:

2

- NDVI & Unsupervised imagery classification
- Vegetation Field data collection
- Supervised imagery classification

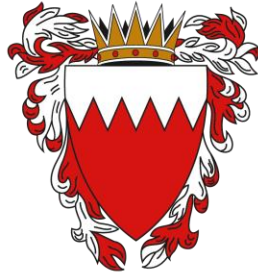**Unsupervised Classification**

Field Data Collection

Methodology

3

Post-classification :
- Raster -> Vector
- Dissemination

Post-Classification Operations

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