Introducing Web GIS to a Remote Island

Long Caye at Lighthouse Reef Atoll

Where is Long Caye?
Long Caye is an island within Lighthouse Reef Atoll. It is part of the country of Belize, which is located in Central America. This paradise getaway is found just 50 miles from Belize City.

Background
Long Caye is in close proximity to world renown scuba diving sites, being that it is located in the 2nd largest coral reef barrier in the world. Major attractions include the Great Blue Hole National Monument and the Red Footed Boobie Bird Sanctuary. Island resorts provide accommodation and transportation around the island.

Problem Statement 1
Lack of Online Spatial Data Resources
- Tourist Education
- Challenging Geographic

1. Public Application

Objective:
Combine descriptive and geographic information about island attractions for a better public user experience on Long Caye’s website.

Problem Statement 2
Lack of Online Centralized Database
- Property Sales Information Management
- Planning & Development Tools

2. Internal Application

Objective:
Act as an online central resource and provide editing tools for property sales information for the Long Caye owners.