



BOREHOLE RESULTS

SOUTH WATER CAYE RESERVE/MARFUND.KFW
TWIN CAYE SOIL INVESTIGATION



TWIN CAYE SOIL INVESTIGATION – BOREHOLE RESULTS

Introduction

This geotechnical report provides information on soil investigation done for South Water Caye Reserve/Marfund.KFW at Twin Caye, 15 miles from Dangriga Town. GeoTech Belize was contracted by Mr. Samuel Novelo to conduct dynamic penetration tests to assess the existing soil characteristics for that location.

The Objective

The objectives of the investigation are as follows:

- Investigate load bearing capacity of native soil
- Investigate depth to bedrock from existing grade

Scope of Investigation

It was proposed to conduct a total of two boreholes to assess field conditions. The location was identified by Mr. Samuel Novelo. Dynamic penetration tests were performed at these locations to determine load bearing capacity of the soil and the depth to bedrock.

Methodology

Borehole

- Dynamic Penetration Test was conducted using an LMSR HK hydraulic dynamic probing rig
 with blows per 10cm readings being recorded. Readings would then be correlated to Nspt and
 bearing capacity values. The dynamic penetration test (DPH) was done in accordance with BS
 1377 Part 9.
- An assumed soil classification and other test results are summarized in the appended Borehole log.

Observations

Boreholes

 Based on observations at borehole 1 it is assumed that the Ground Water Table is at a depth of 1.2m and assumed bedrock was observed to be at a depth of 9.4 meters. At borehole 2 the Ground Water Table is at a depth of 6.2m and assumed bedrock was observed to be at a depth of 10 meters.



Photos







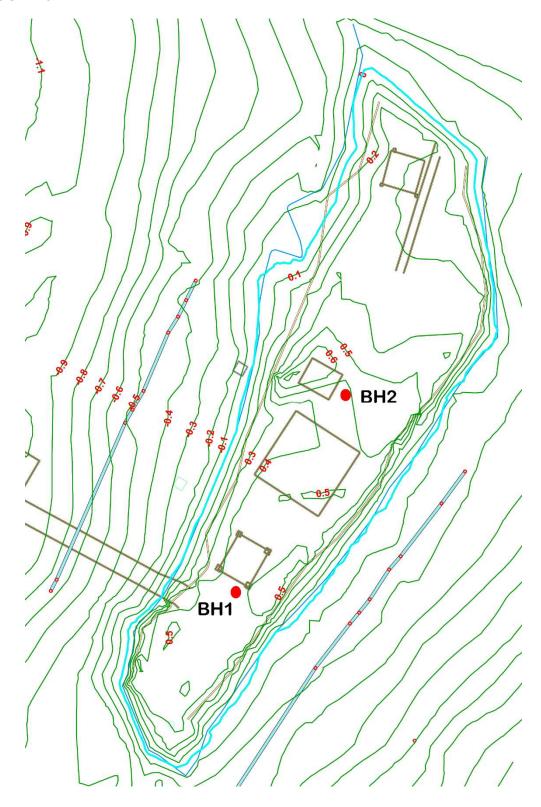








Location Plan



This information pertains only to this boring and should not be interpreted as being indicative of the site.