

Anticipated Next Steps and Results



G. W. Huttner
OAS Consultant

St. Lucia (Qualibou area)

- Map the local structural fabric using air photos; follow-up with ground-truth field work.
- Conduct new, deep (>2.5 km) electrical resistivity studies (CSAMT or SP); reinterpret old data with new techniques.
- Generate the best possible geothermal model using new and old information.
- Drill thermal gradient holes and/or a slim hole at sites identified using the model.

Dominica (Wotten Waven area)

- Geologic mapping with emphasis on fracture patterns and on the accurate location of thermal features. Use air-photos as an adjunct tool.
- Sample and analyze any newly found thermal waters for geothermometric purposes.
- Conduct CSAMT or SP surveys using geology to determine survey areas.
- Generate the best possible geothermal model using new and old information
- Drill thermal gradient holes and/or a slim hole at sites identified using the model

St. Kitts & Nevis (Farms Estate area)

- Map the geology of the Farms Estate area and the surroundings. Use air photos as appropriate.
- Resample and re-analyze the local waters for geothermometric purposes.
- Conduct deep CSAMT or SP studies across the interest areas as defined by the geologic mapping.
- Create a geothermal model; drill thermal gradient and slim holes at sites determined using the model.

The Anticipated Results

- Characterization of the surface geology, the local fault systems, subsurface regions having anomalous resistivity, and the thermal gradients within the interest areas.
- Preliminary characterization of the geothermal reservoir (temperatures, chemistry, permeability, etc.) in places where slim holes are drilled.
- **NOTE: All or parts of the activities listed above may be contracted by the Geo-Caraïbes Technical Team or by a developer.**

The Technical Expectations

- The expectation for the Geo-Caraïbes Project, from a technical perspective, is the increase of geoscientific knowledge, at each site, so that investment by an experienced, proven, world-class developer can be attracted.