GUAM ISLAND - GUAM

GEOLOGICAL MAP

Faults
- known or certain
- approximate
- concealed
- vertical joint

Hagåtña

LAT: 13.500°N LONG: 144.800°W

ISLAND STATISTICS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area (km²)</td>
<td>561</td>
</tr>
<tr>
<td>Max. Elevation (masl)</td>
<td>406</td>
</tr>
<tr>
<td>Aquifer Lithology</td>
<td>Limestone/</td>
</tr>
<tr>
<td>Volcanics</td>
<td></td>
</tr>
<tr>
<td>Average Annual Precipitation (mm/a)</td>
<td>3445</td>
</tr>
<tr>
<td>Calculated AET (mm/a)</td>
<td>1615</td>
</tr>
<tr>
<td>Recharge (mm/a)</td>
<td>1209</td>
</tr>
<tr>
<td>Max. Aquifer Thickness (m)</td>
<td>30</td>
</tr>
<tr>
<td>Groundwater Vol. (x10⁹ m³)</td>
<td>1.1</td>
</tr>
<tr>
<td>GW Vol. Abstracted (x10⁶ m³/a)</td>
<td>49</td>
</tr>
<tr>
<td>Predominant Natural Groundwater Quality</td>
<td>Fresh</td>
</tr>
</tbody>
</table>

LEGEND

Sedimentary
- Coarse Alluvium
- Carbonate
- Karstic Carbonate

Igneous
- Unfractured
- Igneous (Undif.)
- Fractured
- Igneous (Undif.)

Metamorphic
- Unfractured
- Metamorphic (Undif.)
- Fractured
- Metamorphic (Undif.)

Major City

Groundwater Table

Flow Line

Dominant Aquifer

CONCEPTUAL HYDROGEOLOGICAL CROSS-SECTION

Low Permeability Volcanic Basement
Karstic Limestone

Freshwater Lens

REF: DEM: USGS (2004), Shuttle Radar Topography Mission

The cross-section is provided for illustrative purposes and may not represent actual conditions.