



2.1.4 GEOLOGY

The province's soil, geology and geomorphology describe earth formations along with distribution and resultant landforms. It provide the basis for the initial delineation of land mapping units and the parent materials of the soils that identify probable locations of metallic and non-metallic minerals along with the agricultural and non-agricultural significance.

The oldest rocks are found in the province's higher elevations. A basement consists of schist, marble quartzite, slate, and other metamorphosed rocks.

2.1.5 MOUNTAINS AND VALLEYS

The tallest peak in the province is Mount Silingan in Ipil reaching to about 893 meters amsl. Other mountains include others are Mount Lacauwan in R. T. Lim, Mount Sibuguey and Tamaraw Mountains in Payao, Mount Kabasalan, Diplahan Mountain, and Mount Logona and Mount Kalabis in the Municipality of Alicia. The major valleys in the province are Titay Valley and Sibuguey Valley.

2.2 FOREST

Generally, the province is endowed with a good resource-base of primary production materials such as forestry, fishery, mineral and agriculture products. However, the upland portion has been threatened by various economic activities of the people that caused the destruction of the resources in the lowland down to the coastal areas. This ecological degradation and imbalance have to be properly addressed to prevent extreme climatic aberrations now experienced by the Province such as drought and flood.

Forest Area	: 154,580.5500 hectares
Major Forest Products	:
1. Timber/Lumber	
2. Rattan, Vine, Resin, Gum, Wax	

2.2.1 WATERSHED

There are five (5) identified major catchments in the municipality of Ipil, all draining directly into the sea. Sanito River catchment of major importance, covering about 40 percent of the municipality (about 5,500 hectares) including the Poblacion and nine central barangays. The entire Sanito catchments extend to north and beyond the municipal boundary



into the southern part of Titay that covers a total area of about 9,000 hectares. Other major catchments to the west side that includes Tiayon, Caparan and Buluan Rivers. Its acute profile in its upper reaches including Palina Falls, its partly developed potential as a source of water for the town, and the existing 30-hectare Command Irrigation System it services in Barangay Tomitom makes this catchments the most critical in the municipality of Ipil.

2.3 MINERAL RESOURCES

Mineral extractions and other economic activities in the upland areas threatened the marine ecosystem to deplete. Various initiatives and efforts are now beginning to emerge in the area. A notable initiative is the Sibuguey Valley Management Council (SVMC). However, the upland area of R. T. Lim, Tungawan, Ipil and other parts of the province are still to be given attention for Upland Resource management (URM).

The 2003 reports of the Bureau of Mines and Geosciences that claimed the sites for mining and quarrying were the municipalities of Alicia, Buug, Diplahan, Malangas, Payao, R.T. Lim, Titay and Tungawan. The list of mineral production are classified into two areas the Mineral Production Sharing Agreements (MPSA) and the Exploration Permits (EP).

MINING

Mining Business:

- Coal
- Small Scale Mining (Gold)
- Chromites
- Manganese
- Limestone
- Copper
- Iron

Table 2-3 Mineral Production Sharing Agreement (MPSA)

TENEMENT HOLDER	COMMODITY	AREA (Has.)	LOCATION
Approved and Registered			
Siennalyn Gold Mining Corp.	Copper, Gold	3,969.00	Nanan, R.T. Lim, Zamboanga Sibugay
Zamboanga Mineral Corp.	Gold	4,779.00	Guinoman, Diplahan, Zamboanga Sibugay
Under Process (Under Preliminary Evaluation)			
Oreline Mining Corp.	Gold	3,888.00	R. T. Lim, Z. Sibugay
Rigid Aggregates Corp.	Manganese, Chromite, Iron, Etc.	2,430.00	Buug, Z. Sibugay
Pending Area Clearance/Status			
Rojuman Realty & Dev't.	Gold	5,022.00	Tigbalangao, Ligian,



TENEMENT HOLDER	COMMODITY	AREA (Has.)	LOCATION
Corp.			Tungawan, Z. Sibugay
Undergoing Publication, Posting, Radio Announcement			
Orelina Mining Corp.	Gold	399.00	R. T. Lim, Z. Sibugay
Ocean Pacific Exploration Corp.	Manganese	10,449.00	Titay, Z. Sibugay
Published/Posted/Announced			
Daihan S. Graciano	Gold	405.00	Diplahan, Z. Sibugay
Appealed to Mines Adjudication Board/Statutory/Supreme Court			
PNOC-Energy Dev't. Corp.		2,340.00	Alicia, Z. Sibugay
Emiliano Veneracion, Jr.	Gold	486.00	Alicia, Z. Sibugay

Source: Bureau of Mines Geosciences

Table 2-4 Exploration Permits (EP)

TENEMENT HOLDER	COMMODITY	AREA (Has.)	LOCATION
Approved and Registered			
Phil. Nat'l. Oil Co. / Energy Dev't. Corp. (PNOC-EDC)	Copper, Gold	6,562.17	Alicia, Malangas & Payao, Z. Sibugay
Under Process (Under Preliminary Evaluation)			
Cebu Ore Mining & Mineral Resources Corp.	Iron, Gold, Silver & Other Minerals	8,181.00	Bulaan, Buug, Zamboanga Sibugay
Pending Area Clearance/Status			
Emiliano Veneracion, Jr.	Copper, Gold	486.00	Malangas & Payongan, Alicia, Z. Sibugay
Sirawai Plywood & Lumber Corp.	Copper, Gold, Silver, Ect.	9,801	Guilinan, Cayamcam, Tungawan, Z. Sibugay

Source: Bureau of Mines Geosciences

2.4 WATER RESOURCES

As of Calendar year 2003, the province has a total of 32,472 number of households served (Table). Out of these, 17,941 units or 55% are Level I. Level II has 10,906 units or 33% and Level III has a total of 3,625 units or 11% of functional facilities in 16 municipalities of Zamboanga Sibugay.

Likewise, the total populations served with water are 152,838.

This figure was gathered from the respective Municipal Planning and Development Offices in the Province.