

PHYSICAL FEATURE

- ✚ Lies on the head of Calapan Bay, Northeastern part of Mindoro Island.
- ✚ Lies in the quadrangle bounded by 13°12.6 and 13°27' North latitudes and 121°17' East longitudes.
- ✚ Bounded on the North and Northeast by Calapan Bay, on the South and Southeast by the Municipality of Naujan and on the West by the Municipality of Baco and overlooked inland by the towering Mount Halcon, Mindoro's highest mountain peak.
- ✚ 28 nautical miles from the nearest point of Batangas Province and is about 45 kms. South of Batangas City and 130 kms. South of Manila.
- ✚ According to the Land Management Bureau, Calapan has total land area of 250.06 square kilometers or 25,006 hectares including the three (3) Baco Islets and two (2) Silonay Islets; the National Statistics Office has a figure of 265.20 sq. km. As measured from cadastral data using Geographic Information System (GIS)-based techniques, it has an area of approximately 185.99 sq. km. including the 5 islets.

Physical Geography

- ✚ The city is situated on the vast northeastern floodplain of Oriental Mindoro.
- ✚ The overall land character is that of a wide plain having meandering rivers interspersed with wetlands at the seacoast periphery.
- ✚ The flat terrain is interrupted by the elongated Bulusan Hill (highest elevation equal to 187 meters above sea level) at the northeast towards the coast and the rise at the southwest which is actually part of the foot of the Halcon-Baco Mountain Range.

Geological Formation

Rock Formation	Composition	Location	Area (has)	Share (%)
Sedimentary	Quaternary Alluvium	Most of the city	17,659.08	94.94

Igneous	Lumintao Formation	Bulusan/Lazareto	693.10	3.73
Igneous	Quaternary Volcanics	Guinobatan, etc	247.51	1.33
		Total	18,599.69	100.00

Source: Or. Mdro. PPDO; modified by Cybersoft, Inc. from JICA 1983 and BMG 1981 Reference Map : Geologic Map

Rock Types

Rock Types	Mineral Composition	Mode of Formation	Area (has.)	Share (%)
Mixed Sediments (Alluvium)	Mainly quartz and clay	Fluviatile deposition	16,228.31	87.25
Sedimentary Complex Rocks (shale, sandstone, conglomerate)	Quartz, clay and other authigenic materials	Mechanical deposition	528.11	2.84
Limestone	Calcite, carbonite materials	Chemical deposition	143.10	0.77
Dacite	Quartz, feldspar, Ferro-magnesium	Volcanic extrusion	1,700.17	9.14

Source: LREP, DA-BSWM, 1986

Soil Types

Type	Area (has.)	Share (%)
San Manuel Silty Loam	7,840	36.08
San Manuel Sandy Loam	3,069	14.12
San Manuel Loam	1,774	8.16
Calumpang Silty Clay Loam	1,660	7.64
Calumpang Clay Loam	220	1.01

Bulaoen Clay Loam	3,600	16.57
Buguey Loamy Sand	2,907	13.38
Beach sand	408	1.88
Hydrosol	252	1.16
Total	21,730	100.00