

香港的岩石與礦物

HONG KONG ROCKS AND MINERALS



1

礫岩 – 白沙頭洲
Conglomerate – Harbour Island



2

大理岩 – 元朗
Marble – Yuen Long



3

石墨片岩 – 米埔
Graphite Schist – Mai Po



4

花崗岩 – 大嶼山
Granite – Lantau



5

花崗閃長岩 – 大埔
Granodiorite – Tai Po



6

條紋斑狀凝灰岩 – 鴨脷洲
Eutaxitic Tuff – Ap Lei Chau



7

火山碎屑沉積岩 – 荔枝莊
Tuffaceous Sandstone – Lai Chi Chong



8

角礫岩 – 吉澳
Breccia – Kat O



9

粉砂岩 – 平洲
Siltstone – Ping Chau



10

石英 – 赤洲
Quartz – Port Island



11

綠柱石 – 魔鬼山
Beryl – Devil's Peak

香港的地質紀錄追溯至四億多年前的泥盆紀時期，香港的岩石種類繁多，充分反映區內複雜的地質情況。對這些岩石作詳細研究，有助辨識地質歷史和構造環境的演變。

香港最古老的岩石為晚古生代沉積岩，它們主要出現於香港的東北及西北部地區。這些泥盆紀、石炭紀及二疊紀的岩層在陸上及淺海環境沉積。

中生代火山活動以前形成的沉積岩，包括有侏羅紀早期及中期沉積於深海環境的砂岩、粉砂岩及泥岩。

中生代的火成岩為香港主要的岩石，包含花崗岩、流紋質凝灰岩及熔岩以及岩牆。大部份的火成岩出現於侏羅紀晚期及白堊紀早期時代。

中生代火山活動之後形成的沉積岩，和第三紀沉積岩主要出現於香港的東北地區，其中包含沉積於陸上斷層盆地的紅層以及蒸發性沉積物。

The geological record in Hong Kong spans over 400 million years from the Devonian Period. The large variety of rock types present reflects the complexity of the geology of the region. Detailed studies of these rocks enable the geological history and evolution of the tectonic setting to be deciphered.

The oldest strata in Hong Kong are of Late Palaeozoic age. They occur in the northeast and northwest of Hong Kong. These Devonian, Carboniferous and Permian rocks were laid down as sediments in non-marine and shallow marine environments.

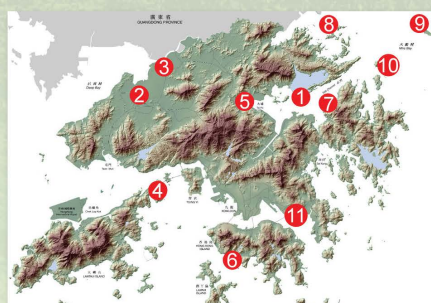
The Mesozoic pre-volcanic sedimentary rocks comprise Early and Middle Jurassic sandstones, siltstones, and mudstones that were deposited in alluvial, shallow marine and sub-tidal environments.

Mesozoic igneous rocks are the dominant rock types in Hong Kong. They comprise granites, rhyolitic tuffs and lavas, and dykes. Most of them are of Late Jurassic to Early Cretaceous age.

Mesozoic sedimentary rocks, younger than the main volcanic episode, and Tertiary sedimentary rocks, are exposed mainly in the northeast. They comprise non-marine red bed and evaporitic sediments that were deposited in fault-controlled basins.

香港地質(網上互動版) The Geology of Hong Kong (Interactive On-line):
http://www.cedd.gov.hk/eng/about/organisation/org_geo_pln_map.htm

香港斜坡安全網頁 Hong Kong Slope Safety Website: <http://hkss.cedd.gov.hk>



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