

Chapter 8

Economic Geology

Economic deposits of the district consist principally of non-metalliferous minerals and construction aggregates. There are no known economic or potentially economic metalliferous mineral deposits.

Non-metalliferous Minerals

Fissure veins of quartz are common throughout the granitic rocks, particularly in northeast Lantau Island. The most important quartz vein worked within the district was at Mong Tung Hang (227 206) near Penny's Bay (Plate 16). Mining took place between 1969 and 1974 along a north-northeast-trending vein up to 6 m wide. The scar marking the area of extraction can still be seen, although the quantities of quartz mined must have been relatively small.

Construction Materials

Urban development at Discovery Bay, combined with the creation of the golf course, has resulted in borrows in this area. Development of the shipyards in Penny's Bay and electricity substation also required borrow activity. Currently, the largest borrow areas in the district are along the route of the North Lantau Expressway.



Plate 16 - Large Quartz Vein Exposed North of Penny's Bay from Which Quartz Has Been Quarried (22475 21325)