## **Index**

eruption, 16, 22 accessory minerals, 21, 25, 27 estuarine, 17, 37 acoustic turbidity, 37, 39 aerial photography, 14, 32, fabric, 22 albite, 25 facies, 35 alkali feldspar, 21, 22, 25, 27, 28, 30 feldspar, 21, 22, 25, 27, 30 allanite, 25, 27, 28 feldsparphyric rhyolite, 16, 23, 24, 27, 28, 30, 31, alluvium, 16, 35-37 39 amphibole, 21, 22, 25, 30 fluorite, 25, 27 andalusite, 20, 21, 31 fluvial, 21, 35 andesine, 25 Fujian, 32 andesite, 9, 30 apatite, 21, 22, 25 geochemistry, 16, 23 augite, 30 glaciation, 39 granite, 9, 16, 17, 20, 23-31, 40 basalt, 9, 16, 17, 23, 30 granodiorite, 9, 16, 17, 23-25 basaltic andesite, 30 granophyric texture, 27, 28 beach sand, 17, 35 graphitic, 21, 31 biotite, 21, 22, 25, 27, 28, 30, 31 Guangdong, 32 bipyramidal, 28, 30 British Geological Survey, 14 Haifeng Fault, 32 Brothers, 16, 37, 37, 39 Hang Hau Formation, 16, 17, 35, 37, 37 Hong Kong Geological Survey, 10, 11, 14 carboniferous, 16, 20 hornblende, 31 channel, 10, 36-38 hydrothermal alteration, 31 Chek Lap Kok, 11, 16, 39 Formation, 16, 17, 35, 37 intertidal, 35 intrusive igneous rocks, 24 chlorite, 25, 27 classification, 9, 17, 20, 21, 24, 35 isopachs, 38 clay minerals, 31 conglomerate, 9, 20 jointing, 28 crystallisation, 22, 31 kaolin, 36 debris flow, 16, 17, 35, 36 Kap Shui Mun, 10, 32, 36, 39 depositional environment, 21, 22, 35

dykes, 16, 24, 25, 27-32, 40

epidote, 25

Lantau Fixed Crossing, 11

Discovery Bay, 10, 28, 32, 39-41

Lantau Granite, 25-27, 39	pluton, 16, 20, 21, 24, 25, 27
Lantau Island, 10, 11, 13, 15, 16, 20-22, 24, 25,	porphyry, 27-30
27, 32, 36, 37, 39, 40	Port and Airport Development Strategy, 11
lapilli, 9, 16, 17, 21, 22	Port Peninsula Development, 11
Lianhua Shan Fault System, 32	
Lo Fu Tau, 10, 28	quartz, 9, 16, 20-22, 25, 27, 28, 30, 32, 41
Lok Ma Chau Formation, 16, 20, 21	veins, 16, 32, 41
	quartzphyric rhyolite, 16, 17, 23, 24, 27, 30
Ma Wan, 10, 11, 15, 16, 21, 23-27, 29,	Quaternary, 17, 35, 36
30, 32, 34, 36	
Granite, 25-27	rapakivi, 25
mafic dykes, 16, 24, 27, 30	Reef Island, 20
magma, 22, 28, 29	reflector, 37-39
magnetite, 21, 22, 28, 30	rhyodacite, 9, 27, 28, 30
Mai Po Member, 20, 31	rhyolite, 9, 16, 17, 23, 24, 27-31, 40
marble, 9, 20, 21	
marine mud, 16, 17	San Po Tsui, 32
marine sand, 16, 17	San Tin Group, 16, 20
marine transgression, 37	sandstone, 9, 20, 21, 31
megacryst, 25-28, 30	sea level, 37
melanocratic, 30	seismic, 11, 14, 15, 35, 37, 39, 40
mesozoic, 16, 17, 21	sericitized, 31
metalliferous, 41	Sham Shui Kok, 31, 32
microgranite, 9, 16, 17, 23, 24, 27-30	Sham Wat Formation, 35
mining, 41	Shenzhen Fault, 32
monazite, 21	Shing Mun Formation, 16, 17, 21, 22
Mong Tung Hang, 41	siltstone, 9, 20, 21, 31
	Siu Ho, 11, 32
Ng Kwu Leng, 31	
North Lantau Expressway, 11, 41	Ta Pang Po, 32
	Tai Ho, 10, 11, 28, 32
oligoclase, 25	Tai Leng Tau, 10
overlap, 37	Tai Po granodiorite, 24
	Tai Shek Mo Member, 20
Pa Tau Kwu, 32	tectonic, 11, 32
Pak Mong, 32	titanite, 22, 25
Pearl River, 14, 38	Tsing Chau Tsai, 10, 21, 30
Penny's Bay, 10, 25, 28, 32, 38, 41	Tsuen Wan, 16, 17, 21, 25
plagioclase, 21, 22, 25, 27, 28, 30, 31	Volcanic Group, 16, 17, 21

Tsz Kan Chau, 10, 16, 20, 31 tuff, 9, 16, 17, 21-24, 27, 34 tuffite, 16, 21, 22 Tung Chung, 11

volcanic rocks, 16, 20, 21, 40

weathering, 31, 36, 39 Wo Sheung Au, 32, 39

Yam O, 10, 22, 31, 32, 37, 37 Yim Tin Tsai Formation, 16, 17, 21, 22, 24, 34 Yuen Long Formation, 20, 21

zircon, 21, 22, 25, 27, 28 zoned, 25, 27, 28