

# Index

- accessory minerals, 25, 32
- acoustic turbidity, 45
- aerial photographs, 34
- albite, 29, 31
- alkali feldspar, 25, 29, 31, 32
- allanite, 29, 31, 32
- alluvium, 18, 40, 41, 42, 43, 45
- alteration, 26, 32, 36, 39, 47
- amphibole, 25, 29, 31
- andalusite, 23
- apatite, 25, 29, 31, 57
- aplite, 17, 28, 32
  
- basaltic andesite, 32, 33
- beach sand, 42
- biotite, 25, 29, 31, 32, 33, 39, 57
- bipyramidal, 32
- boreholes, 14, 17, 21, 23, 24, 25, 34, 39, 42, 43, 44, 45, 48, 50, 51, 55
- British Geological Survey, 12, 14, 48, 60
  
- caldera, 17, 21, 34, 36, 39
- Carboniferous, 17, 18, 23, 25, 34, 36, 48
- channel, 36, 43, 44, 47
- Chek Lap Kok Formation, 21, 40, 41, 42, 43, 44, 45, 52
- Chek Lap Kok Granite, 17, 18, 28, 29, 30, 32
- chemical analyses, 17
- chlorite, 31
- classification, 9, 28, 50
- colluvium, 9, 18, 40, 41, 43, 44, 52
- conglomerate, 23, 42
- corestones, 27
- crystallisation, 26, 39
  
- debris flow, 21, 40, 41, 43
- dykes, 17, 28, 31, 32, 33, 34, 48, 50
  
- faults, 17, 21, 34, 36, 47, 52
- feldsparphyric rhyolite, 17, 28, 31, 32, 36, 38, 42, 48, 50, 52
- fine- to medium-grained (granite), 17, 28, 29, 32, 42
- fine-grained granite, 28, 31, 32, 42
- flow banding, 32
  
- fluorite, 29, 31, 33, 57
- foliation, 25, 26
  
- geochemistry, 20
- granite, 17, 21, 28, 31, 32, 33, 34, 36, 38, 39, 42, 48, 50, 51, 52, 53, 55, 57, 58
- granophyric texture, 32
- graphitic, 17, 23, 25, 34, 39
- gravity survey, 53
  
- Hang Hau Formation, 18, 21, 40, 41, 44, 45, 46, 47
- Holocene, 9, 18, 40, 41, 42, 45
- hydrothermal alteration, 26, 36, 39, 47
  
- intertidal deposits, 18, 42
- intrusive igneous rocks, 28
- isopachs, 46
  
- joints, 34, 36, 38
  
- kaolin, 41, 57
  
- Lantau Dyke Swarm, 17, 28, 32, 34
- Lantau Granite, 17, 24, 28, 29, 30, 32
- Lantau Island, 9, 11, 12, 15, 16, 17, 23, 25, 26, 28, 29, 30, 33, 34, 35, 37, 41, 42, 44, 45, 47, 48, 55, 60, 61
- Lantau Volcanic Group, 17, 18, 25, 26, 30, 31, 33, 34, 39, 56
- lapilli, 17, 25
- lineaments, 34
- Lok Ma Chau Formation, 17, 18, 23, 24, 34, 39
  
- mafic dykes, 28, 31, 33
- magma, 26, 32, 50
- magnetite, 21, 24, 25, 33, 57, 58
- Mai Po Member, 23
- marble, 12, 14, 17, 18, 21, 23, 24, 36, 39, 43, 48, 50, 51, 52, 53, 55
- marine deposits, 21, 41
- marine mud, 18, 21, 45
- marine sand, 18, 21, 36
- mass wasting, 40
- megacrystic, 28, 29
- Mesozoic, 9, 18, 17, 25, 42, 43, 59, 60
- metalliferous, 6, 57

microgranite, 17, 28, 31, 32, 48  
 mineralisation, 33  
 mining, 57  
 mud, 9, 21, 40, 41, 45  
 muscovite, 29, 32, 57  
  
 Northshore Lantau Development Feasibility Study, 12, 43, 59  
  
 oligoclase, 29, 32  
  
 photolineaments, 34, 36  
 plagioclase, 25, 29, 31, 32, 33  
 Pleistocene, 9, 18, 40, 41, 42, 43, 45, 51, 52, 60  
 pluton, 29, 34  
  
 quartz veins, 21, 28, 33, 57  
 quartzphyric rhyolite, 17, 28, 31, 32, 48  
 Quaternary, 9, 18, 40, 43, 45, 59, 60, 61  
  
 reclamation, 11, 12, 14, 21, 36, 39, 41, 42, 43, 45, 47, 48, 50, 52, 55, 58  
 reflector, 45  
 rhyodacite, 31  
 rhyolite, 17, 25, 26, 28, 31, 32, 33, 34, 36, 38, 42, 48, 50, 52  
  
 San Tin Group, 17, 18, 23  
 sandstone, 17, 18, 23, 25, 26, 27, 50  
 sea level, 41, 47  
 seismic, 14, 40, 42, 43, 44, 45, 55, 58  
 Sham Wat Formation, 18, 21, 40, 41, 45  
 shell fragments, 42  
 siltstone, 14, 17, 18, 23, 25, 26, 27, 50  
 slope deposits, 41  
  
 Tai O Formation, 17, 18, 23, 25  
 tectonic, 59, 60  
 The Brothers Islands, 17, 23, 34, 36, 39, 44, 45, 47, 48  
 thin sections, 14  
 Tolo Harbour Formation, 17, 18, 24, 39  
 Tong Fuk Quartz Monzonite, 30, 31, 34  
 Tsuen Wan Volcanic Group, 17, 18, 25  
 Tsz Kan Chau, 23, 24  
 tuff, 17, 18, 25, 26, 27  
 tuffite, 17, 18, 26, 27  
  
 Tung Chung, 9, 11, 12, 14, 15, 17, 21, 24, 30, 32, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61  
 Tung Chung Formation, 18, 40, 41, 42, 43, 44, 52, 55  
 volcanic rocks, 17, 21, 25, 26, 31, 33, 34, 36, 38, 39, 47  
 weathering, 14, 21, 24, 32, 34, 36, 38, 40, 41, 47, 48, 50, 51, 55  
  
 Yam O, 9, 12, 21, 25, 41, 43, 44, 47  
 Yim Tin Tsai Formation, 17, 18, 25  
 Yuen Long Formation, 17, 23, 34, 39, 43  
  
 zircon, 25, 28, 29, 31, 32  
 zoned, 29, 31, 32