

# Index

- aerial photography, 15, 31, 36, 37
- alkali feldspar, 22, 26
- alluvium, 16, 17, 34-37, 39
- amphibole, 22, 26
- andesite, 9, 28
- apatite, 22, 26, 28
  
- basalt, 9, 16, 17, 26, 29, 30
- basaltic andesite, 28
- beach sand, 17, 34, 36, 37
- biotite, 22, 26, 28, 30
- British Geological Survey, 15
  
- Chek Lap Kok, 3, 11
  - Formation, 17, 34, 36-39
- Cheung Shue Tau, 24, 39
- clay-rich zones, 30, 31
- clay minerals, 30
- colluvium, 35
- Container Terminal 9, 15
  
- debris flow, 35
- dykes, 16, 28, 30, 31, 39
  
- Electronic & Geophysical Services Ltd., 3, 33
  
- faulting, 16, 28, 31-33, 39
- feldspar, 22, 26, 28, 30
- feldsparphyric rhyolite, 16, 17, 20, 25, 26, 28
- fluorite, 28
  
- geophysics, 15, 31, 33
- granite, 9, 16, 17, 20, 22, 23, 25-29, 35, 39
- granitoid rocks, 33
- granodiorite, 9, 16, 17, 20, 22, 25-27
  
- Hang Hau Formation, 34, 36, 37, 38
- Hong Kong Geological Survey, 3, 8, 10, hydrothermal alteration, 30
  
- intrusive igneous rocks, 16, 17, 25-30
- intertidal sediments, 16, 17, 34, 37
  
- jointing, 33
  
- Kap Shui Mun, 39
- kaolin, 30, 33, 39
  
- Lamma Channel Fault, 16, 33
- Lantau Fixed Crossing, see Tsing Ma Bridge
- lapilli tuff, 9, 16, 17, 20-22
  
- Ma Wan Channel, 10, 33, 34
- mafic dykes, 28
- magnetite, 22
- marine mud, 16, 17, 34, 36, 38
- marine sand, 16, 17, 34, 36-39
- metamorphic, rocks 9, 22, 30
- metamorphism, thermal, 22, 30
- monazite, 22, 28
- muscovite, 30
  
- Needle Hill granite, 25, 26, 28
- Nga Ying Chau, 10, 34, 35, 38
  
- plagioclase, 22, 26
  
- quartz, 22, 26, 28, 30, 39
  - veins, 16, 31, 39
- quartzphyric rhyolite, 16, 17, 25, 26, 28, 30
  
- Rambler Channel, 10, 16, 34, 38
- rhyolite, 9, 16, 39

satellite imagery, 15  
 Sha Tin granite, 25, 26  
 Shek Wan, 22, 29, 30, 39  
 Shing Mun Formation, 16, 17, 21-24, 31  
 slope debris, 16, 17, 34, 35  
 spotted texture, 30  
  
 Tai Mo Shan, 23  
 Tai Po granodiorite, 25, 26  
 Ting Kau Bridge site, 31  
 titanite, 26  
 Tsing Ma Bridge (Lantau Fixed Crossing),  
     8, 10, 15, 28, 29  
 Tsing Yan, 22, 24, 26  
     Member, 16, 17, 22-24, 30  
  
 Tsing Yi Channel, 10, 16, 31, 37, 38  
     Fault, 16, 31  
 Tsuen Wan, 10, 26, 38  
     - Chinese University Fault, 33  
     Volcanic Group, 16, 17, 21-23, 26  
 tuff, 9, 16, 17, 20-23, 26, 28, 30, 33  
 tuffaceous breccia, 16, 22  
 tuffite, 16, 21  
  
 volcanic breccia, 23  
 volcanic rocks, 16, 17, 21-23, 31, 35  
  
 Yim Tin Tsai Formation, 16, 17, 21-23, 28, 30  
  
 zircon, 22, 26, 28