

A Geological Companion to Greece and the Aegean

Michael D. Higgins and Reynold Higgins

Please reference this work as: Higgins MD, Higgins R (1996) A Geological companion to Greece and the Aegean. Duckworth Publishers, London

[Title, Preface, Contents, Map legend](#)

Chapter 1 gives the geological background. It is an introduction to the relevant aspects of the subject. Subjects treated are: Structure of the Earth, Basic rock cycle, Igneous rocks and volcanism, Components of a typical volcanic eruption, Sedimentary rocks, Metamorphism and metamorphic rocks, Plate tectonics, Local tectonics, The glacial period and recent climatic change, Sea level changes, Weathering and soils, Hydrogeology, Karst landscapes, Beach rock, Earthquakes

Chapter 2 treats the geological history of the Mediterranean region with special emphasis on the Aegean. Subjects treated are: The geological framework, Isopic Zones and massifs, Geological development of the Aegean, Recent geological events

Chapter 3: Attica. Athens, Piraeus, Eleusis, Mt Pendeli and Mt Hymettus, Mt Parnes, Marathon, Lavrion, Cape Sounion.

Chapter 4: Islands of the Saronic gulf, with Methana. Aegina, Poros, Hydra, Methana.

Chapter 5: Peloponnese; Corinthia and Argolid. Gulf of Corinth, Corinth Canal, Corinth, Akrocorinth, Loutraki, Argive plain and Lake Lerna, Mycenae, Tiryns, Argos, Nauplia, Epidauros.

Chapter 6: Peloponnese; Laconia and Messenia. Sparta, Mistra, Krokeai, Monemvasia, Cape Malea, The Mani, Gythion, Kyprianon, Cape Matapan and Marmari, Diros, Kalamata, Messenian plains and River Pamisos, Korone, Methone, Bay of Navarino, Pylos, Englianos ('Nestor's Pylos'), Ancient Messene.

Chapter 7: Peloponnese; Elis, Achaea and Arcadia. Elis, Olympia, Kaiapha, Achaea, Patras, Arcadia, Tegea, Mantinea, Megalopolis, Bassae.

Chapter 8: Central Greece. Boeotia and Thebes, Lake Kopais, Levadeia, Mt Parnassus, Delphi, Thermopylae and the Malian Gulf, Euboea.

Chapter 9: Thessaly and Northern Sporades. Meteora, Mts Olympus, Ossa and Pelion, Volos, Northern Sporades, Skyros.

Chapter 10: Northwestern Greece and the Ionian Islands. Mt Pindos, Ioannina, Dodona, Corfu, Levkas, Cephalonia, Ithaca, Zakyntos.

Chapter 11: Macedonia. Thessaloniki, Vergina, Pella, Chalkidiki Peninsula, Mt Athos peninsula.

Chapter 12: Thrace, the Dardanelles and adjacent islands. Philippi, Thrace, Thasos, Samothrace, Lemnos, Dardanelles and the Sea of Marmara, Troy, Istanbul and the Bosphorus.

Chapter 13: Lesbos, Chios, Samos and the Ionian shore. Lesbos (Mytilene), Pergamum, Chios, Izmir, Sardis, Teos, Ephesus, Ikaria, Samos, Priene, Miletus and Didyma.

Chapter 14: Dodecanese and the Carian Shore. Rhodes, Iasos, Patmos, Lipsos, Leros and Kalymnos, Kos, Bodrum, Knidos, Nisyros, Yiali.

Chapter 15: Cyclades. Syra, Mykonos, Delos, Seriphos, Siphnos, Paros, Naxos, Melos, Thera.

Chapter 16: Crete. Phalasarna, White Mts and Samaria Gorge, Chania, Knossos, Mt Ida, Idaean and Kamares caves, Plain of Mesara, Phaistos and Ayia Triada, Mallia, Mt Dikte, Plain of Lasithi and Psykhro cave, Ayios Nikolaos, Zakro.

Chapter 17: We discuss future geological hazards, their probability of occurrence and location. We consider volcanic eruptions, earthquake, tsunamis, landslips and rockfalls. There are three appendices: Appendix 1: Table of important marbles and other decorative stones, Appendix 2: Geological time scale, Appendix 3: Glossary of technical terms.

Appendices: Marble source and characteristics. Glossary of geological terms.

References