

35TH INTERNATIONAL GEOLOGICAL CONGRESS

27 AUGUST - 4 SEPTEMBER 2016 | CAPE TOWN, SOUTH AFRICA



OD PRE 5 Geological Walking Tour of Robben Island

TRIP LEADER: John Rogers



ITINERARY

The tour starts at the Political Prison which is built of deep-marine siltstone from the Malmesbury Group, the 560 million year old bedrock of the island.

To the south, on the rocky eastern shoreline, tight folding of the bedrock is exposed. Walking southwards through 'The Village' to Alpha on the SE corner of the island, modern shingle beaches will be studied.

This site provides a spectacular view of Table Mountain. The magnificent exposures of the Tygerberg Formation in the Jan van Riebeeck Quarry and a Late Pleistocene, lime-cemented, raised beach, on top of the bedrock are explored next.

Beside the SW coastline, just inland of the perimeter road, is the geologically younger, uncemented Latest Pleistocene raised beach of wave-rounded cobbles.

We will visit Langbaai, on the west coast, where an Early Cretaceous dolerite dyke will be examined.

The dolerite magma intruded the bedrock as the supercontinent Gondwana split up, giving birth to the geologically young South Atlantic Ocean. We cross the island back to 'The Village', to head north to the Lime Quarry for a fine outcrop of calcrete-capped dune-rock, where Nelson Mandela performed hard labour for many years.

DATES:

27 August 2016

Minimum Persons 8

Maximum Persons 15

COST INCLUDES:

- Entrance fees to sightseeing venues as stated in the itinerary above
- Robben Island Ferry return ticket
- Permit for conducting private walking safari
- Private bus transport on the island