

# Geology Of Andaman Nicobar The Neogene

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## Geology Of Andaman Nicobar The

### Chapter 2 Geology and Earlier work - Shodhganga

Ball (1870) was the first to describe the geology of the area around Port-Blair 21 Geology of Andaman and Nicobar Islands The tectonic evolution of Andaman and Nicobar Islands has been modelled based on three components these are i) tectonic features recorded from the Sea (Curry and Moore, et al, 1982) ii) seismic records

### The Andaman-Nicobar Accretionary Ridge: Geology, Tectonics ...

The Andaman-Nicobar Accretionary Ridge: Geology, Tectonics and Hazards EDITED BY P C BANDOPADHYAY University of Calcutta, India and A CARTER Birkbeck University of London, UK 2017 Published by The Geological Society London THE GEOLOGICAL SOCIETY The Geological Society of London (GSL) was founded in 1807 It is the oldest national

### Chapter 13 Anatomy of the Andaman-Nicobar subduction ...

The entire Andaman-Nicobar segment ruptured during the 2004 great Andaman-Sumatra earthquake but, prior to this event, this segment had not experienced many large earth-quakes (M w 7) During the December 2004 event however, the Andaman-Nicobar segment experienced the second-larg-est slip of the rupture area (c 20 m; Ammon et al 2005

### GEOSPATIAL MAPPING OF FISHERIES PROFILE OF ANDAMAN ...

Andaman and Nicobar Islands stretch over 800 km<sup>2</sup> in Bay of Bengal between 06o5' and 14o45'N latitude and 92o and 94oE longitude The total geographical area of the two groups of Islands is 8,249 km<sup>2</sup> Nicobar Islands are a group of 28 small islands, located at the southern side with a total area of 1,841 km<sup>2</sup>, separated from Andaman

### G Journal of Geology & Geophysics Rasool et al, Geol ...

The overall physiographic trend of Andaman-Nicobar islands is the continuation of Arakan Yoma of western Burma, which is a southward trending

branch of the eastern Himalayas The Mentwai islands (south and west of Sumatra) are considered to be a southerly continuation of the Andaman-Nicobar trend The Andaman-Nicobar group of

### **Mineral analysis in beach rocks of Andaman Island, India ...**

in many places in the world and a few places in India One such formation is found in Andaman and Nicobar Island of India It needs intensive and extensive investigation on its formation The present work aimed to collect the beach rock samples along the Coast of Andaman Island and subjected to mineral analysis using spectroscopic techniques

### **Andaman Basin, India: Hydrocarbon Prospectivity from Newly ...**

The Andaman Islands and Basin lie between North Sumatra and Myanmar The Basin extends 1200 km from Myanmar to Sumatra and 650 km from the Malay Peninsula to the Andaman & Nicobar Islands The bathymetry varies between 200m and 2000m (Mohan et al, 2006)

### **Brief Industrial Profile of ANDAMAN & NICOBAR Islands**

are separated from the Nicobar group by a channel (the Ten Degree Channel) some 150 km (93 mi) wide The highest point is located in North Andaman Island (Saddle Peak at 732 m (2,402 ft)) The Andaman group has 325 islands which cover an area of 6,408 km<sup>2</sup> (2,474 sq mi) while the Nicobar group has only 24 islands with an area of 1,841 km<sup>2</sup> (711

### **APPROACH PAPER ON GROUND WATER QUALITY ISSUES IN ...**

South Andaman Port Blair 159,845 Nicobar Car Nicobar 20,292 Nicobar Nancowry 21,776 The population of Andaman and Nicobar islands features a number of ethnicities Given the small area, it is surprising to notice the sheer variety of ethnic groups that comprise Andaman and Nicobar ...

### **Magneticanomalies over theAndamanIslands ...**

Andaman-Sumatra active subduction zone The islands are characterized by thick cover of Neogene sediments along with exposed ophiolite rocks at few places A regional magnetic survey was carried out for the first time over the Andaman Islands with a view to understand the correlation of anomaly signatures with surface geology of the islands

### **New constraints on the sedimentation and uplift history of ...**

The Andaman Islands are part of the Andaman-Nicobar Ridge; an accretionary complex that forms part of the outer-arc ridge of the Sunda subduction zone The Tertiary rocks exposed on the Andaman Islands preserve a record of the tectonic evolution of the surrounding region, including the evolution and closure of the Tethys Ocean

### **Impact of the 2004-tsunami on the geology of Car Nicobar ...**

officials of Andaman-Nicobar Administration for permitting one of us (VS) to visit Car Nicobar, a reserved area in the Andaman- Nicobar Islands We also thank Prof M S Srinivasan, Department of Geology, Banaras Hindu University, Varanasi for providing use-ful ...

### **The Great Sumatra-Andaman Earthquake of 26 December 2004**

Sumatra, but to the north, along the Nicobar and Andaman Islands, rapid slip was much smaller Tsunami and geodetic observations indicate that additional slow slip occurred in the north over a time scale of 50 minutes or longer The 26 December 2004 Sumatra-Andaman earthquake was the largest seismic event on Earth in more than 40 years, and it

### **Tectonic setting of Myanmar Myanmar lies at the junction ...**

12/26/2017 Chapter 1 Introduction to the geology of Myanmar | Geological Society, London, Memoirs Barber et al 2017) into the Andaman and Nicobar islands, Sumatra and the Sunda and Banda arcs

**Correlation of Late Cenozoic Marine Sections in Andaman ...**

ANDAMAN-NICOBAR, NORTHERN INDIAN OCEAN, AND THE EQUATORIAL PACIFIC M S SRINIVASAN AND R J AZMI Department of Geology, Banaras Hindu University, Varanasi, India ABSTRACT-A large number of overlapping stratigraphic sections exposed on the Andaman-Nicobar Islands, Northern Indian Ocean, contain an almost complete Late Cenozoic (Early Miocene

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officials of Andaman Nicobar Administration for permitting one of us (V S) to visit Car Nicobar, a reserved area in the Andaman Nicobar Islands We also thank Prof M S Srinivasan, Department of Geology, Banaras Hindu University, Varanasi for providing use ful suggestions that helped improve the manu script Mr S K Dass, Department of Botany,

**Geologic and Geodetic Aspects of the December 2004 Great ...**

2004 Sumatra-Andaman event  $M=9.2$  had not been considered seismogenic McCann et al 1979 , much less capable of generating a basinwide tsunami Figure 1 McCann et al accurately stated, "The portion of the Sunda arc along the Andaman and Nicobar Is-lands is characterized by oblique convergence There are no great earthquakes or exten-

**Anomalous porosity preservation and preferential ...**

from the northern shelf into the Andaman basin primarily via turbidity flows However, bathymetric complexities, including the Andaman-Nicobar Ridge that lies between the deltaic source and the Nicobar Deep, may restrict the transport of Irrawaddy derived sediments to the northern Andaman basin The lithologic sequence