

GEOLOGY is an observation science and not an experimental science

... like CRIME DETECTION.

A geologist gathers facts from observations

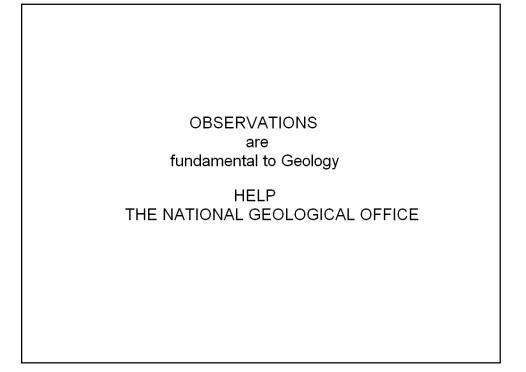
... and then makes inferences on what had happened in the past.

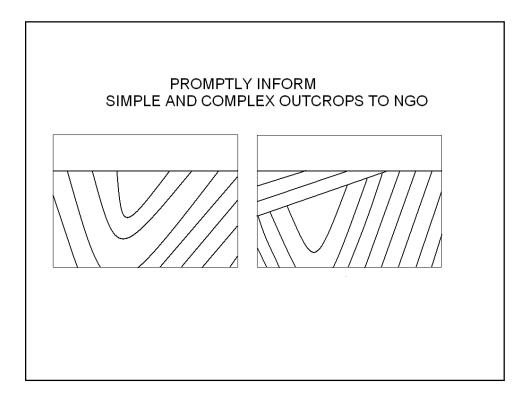
INFERENCES have two interesting properties ...

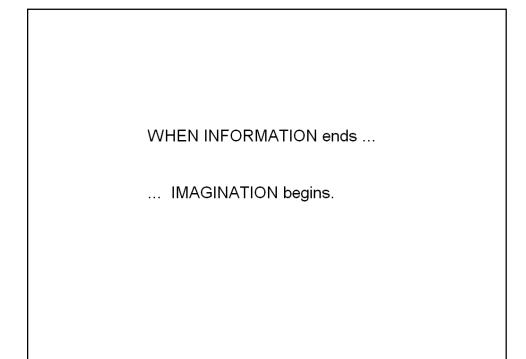
- 1. an unobserved fact can invalidate them
- 2. they are never certain

"Site investigation did not detect any faults but there is a high chance of faulted material in the project area."

INFERENCES are never certain ... but they are more valuable than facts







TOWARDS THE 1976 PWD REPORT ON THE GEOLOGY OF SINGAPORE Dr Tan Swan Beng Dr Peter Morris Dr Hans Bader Mr Graham Mansergh Mr Lee Kim Woon Mr Pun Vun Tat Mr Loy Wei Choo Marine Police Mapping Unit in the Ministry of Defence JTĊ PUB HDB PSA Department of Geology, University of Malaya

ACCOUNTS ON SINGAPORE'S GEOLOGY

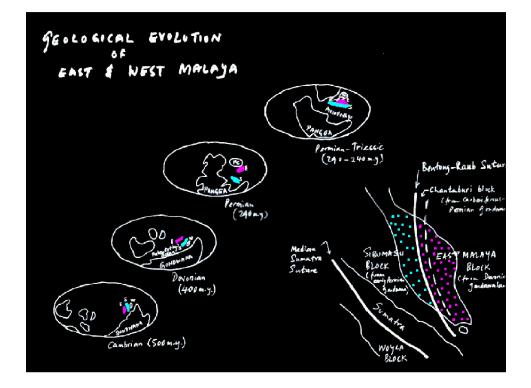
Jack, W. 1822 Crawford, J 1824 Low, J 1847 Logan 1851

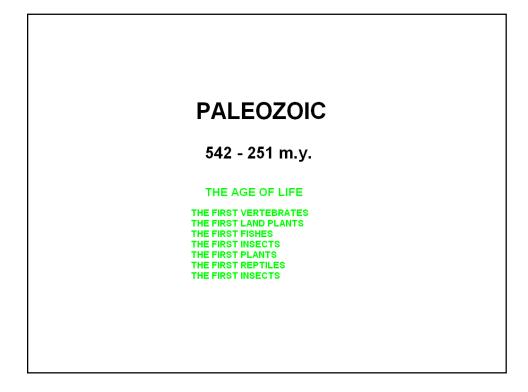
Scrivenor, J.B. 1924 Alexander, F.E.S. 1950 Mainguy 1968 PWD 1976

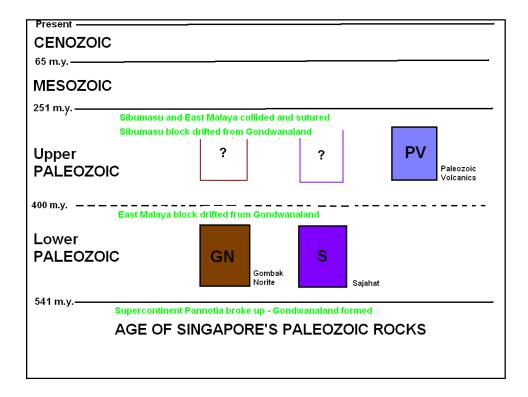
DSTA 2009 BCA 2015?

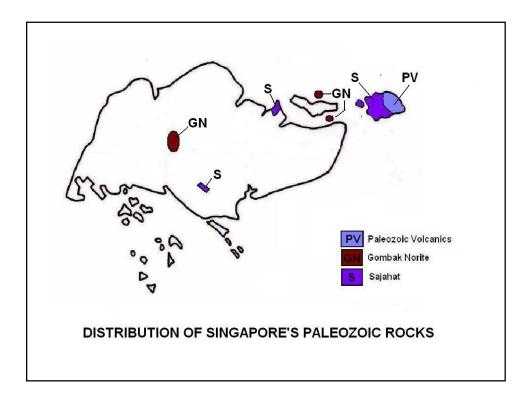
DSTA'S 2009 GEOLOGY OF SINGAPORE (2ND EDITION) is the UPDATE to PWD'S 1976 GEOLOGY OF SINGAPORE describes the Pandan facies in the Jurong Formation relates the manner of deposition of the Jurong Formation relates the manner of uplift of the Jurong Formation describes the Fort Canning Boulder Bed references literature on Singapore's geology since 1976 presents the engineering properties of Singapore's major rock types

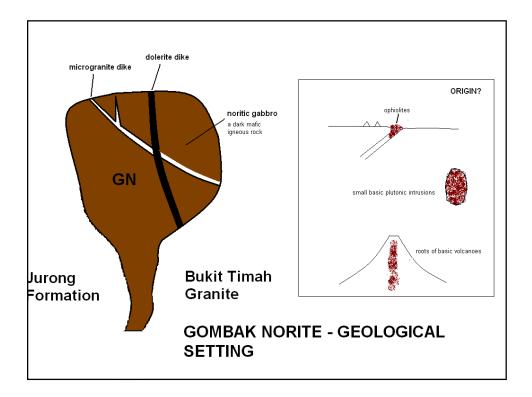












GOMBAK NORITE

IDEAS FOR FUTURE INVESTIGATION

obtain a potassium : argon date

defines its shape and dimensions

investigate its occurrences at Pulau Ubin

