Building and Construction Authority

An MND Statutory Board

Our ref: APPBCA-2021-18

01 Oct 2021

Dear Sir/Madam

ANNOUNCEMENT ON THE RELEASE OF A NEW GEOLOGICAL MAP FOR SINGAPORE

Objective

1. This circular is to inform the industry that BCA is launching a new publication of the geology of Singapore for adoption by the industry. The new publications are in the form of a 1:50,000 scale geological map and a geological memoir, both are published in 2021.

Background

2. The first geology of Singapore publication was introduced in 1976 by the former Public Works Department (PWD) and its first edition was revised in 2009 by Defence Science and Technology Agency (DSTA). From year 2012 to 2018, BCA had conducted geological survey works in support of the development of the Underground Master Plan. This effort has led to the findings of a more complete account of Singapore geology, especially on the bedrock geology.

3. BCA has worked together with the British Geological Survey (BGS) to establish a new stratigraphical framework which involved renaming of the geological units to replace those used in the DSTA (2009) publication. The new naming is established in accordance with the guidelines of International Commission on Stratigraphy (ICS), emphasising on geologic timescale to place the geological units in a proper sequence. Since then, it has been reviewed and endorsed by a committee comprising of engineers and geologists from the government agencies, consultants, contractors and academia. To attain the recognition of ICS, this new naming was submitted for peer review and subsequently accepted for publication in the 'Journal of Asian Earth Sciences (2019)'. The new naming is now used in the geology of Singapore published by BCA. Refer to **Annex A** for the list of new geological units.

4. From 2019 to 2021, BCA has conducted a series of briefing sessions to government agencies, consultants and site investigation contractors on the new geological units. In addition, since 2019 the new geology of Singapore has been presented in one of the modules to the contractors attending the Site Investigation Certification Course at BCA Academy.

Launch of Singapore Geology (2021)

5. In conjunction with the launch, BCA will organise a series of webinar for the industry from 8 to 12 November 2021. Registration for the webinar can be made at https://go.gov.sg/register-geo-webinar2021 and the registration date will start on 11 Oct 2021. After this event, we will release the new geological map and memoir for sale to the general public.

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6. The products will be available in printed copies and details of the sale of geo-publication will be announced at a later date via BCA website.

7. A core logging workshop will be organised for the site investigation contractors in early next year, 2022. This training is specifically arranged for them to gain the knowledge in identifying and describing the various geological units. The consultants, engineers and contractors who are interested in core logging can attend the subsequent run of the workshop.

Clarification

8. Please disseminate the contents of this circular to your members. If you need any clarification, you may contact the following officers:

Clarification on	Contact Officer:
Sale of geological map and memoir	Lim Yong Siang Email: LIM_Yong_Siang@bca.gov.sg

Yours faithfully



ER. Kiefer Chiam Sing Lih
DIRECTOR
BUILDING ENGINEERING GROUP
For COMMISSIONER OF BUILDING CONTROL
BUILDING AND CONSTRUCTION AUTHORITY

ANNEX A: NEW GEOLOGICAL UNITS IN COMPARISON WITH DSTA (2009)

