

Zeitschrift: Eclogae Geologicae Helvetiae
Herausgeber: Schweizerische Geologische Gesellschaft
Band: 68 (1975)
Heft: 2

Artikel: Geology and paleontology of Soldado Rock, Trinidad (West Indies).
Part I, Geology and biostratigraphy
Autor: Kugler, Hans G. / Caudri, C. M. Bramine
Kapitel: Abstract
DOI: <https://doi.org/10.5169/seals-164394>

Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. [Siehe Rechtliche Hinweise.](#)

Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. [Voir Informations légales.](#)

Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. [See Legal notice.](#)

Download PDF: 14.03.2025

ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>

Geology and Paleontology of Soldado Rock, Trinidad (West Indies)

Part 1: Geology and Biostratigraphy¹⁾

By HANS G. KUGLER²⁾ and C. M. BRAMINE CAUDRI³⁾

ABSTRACT

The little islet called Soldado Rock, off the Southwest tip of Trinidad, is but a Paleocene and Eocene olistostrome mélange in Miocene turbidites. Compared with the former interpretation of the stratigraphic sequence of beds (KUGLER 1938), showing a gap between Paleocene and Late Eocene rocks, there is now clear evidence also of the presence of the Lower Middle Eocene (or very high Lower Eocene = Boca de Serpiente Formation), and of the Lower Upper Eocene.

Soldado Rock is the type locality of 11 Smaller Foraminifera, 20 Larger Foraminifera, 54 mullusks, 2 brachiopods, 3 echinoids and 5 ostracods.

In the paleontological part of this monographic study¹⁾ forty-nine species and varieties of Larger Foraminifera from the Paleocene, early Middle Eocene and Upper Eocene of the Soldado Rock are described, ten of them new: *Operculinoides trinitatis* var. *granulata*, *Operculinoides spiralis*, *Neodiscocyclina mauryae*, *Asterocyclina soldadensis*, *Amphistegina undecima*, *Amphistegina pauciseptata*, *Amphistegina grimsdalei*, *Lepidocyclina peruviana* var. *nana*, *Lepidocyclina pustulosa* var. *compacta* and *Lepidocyclina spatiosa*. Special attention has been paid to the stratigraphical significance of *Helicostegina soldadensis* GRIMSDALE [here renamed *Helicosteginopsis soldadensis* (GRIMSDALE)] and to the fauna and general nature of the Boca de Serpiente Formation, which at the moment is known only from this islet, in the form of a remnant slump mass. The recognition of heavy reworking in the upper part of the section has changed older ideas about the vertical range of several of the species described before.

CONTENTS

Introduction	366
A. The Soldado Formation	369
Bibliographic history	369
Type locality and type section	373
Bed 1	373
Bed 2	374

¹⁾ Part 2: “*The Larger Foraminifera*” will appear towards the end of this year, in *Eclogae geol. Helv.*, Vol. 68, No. 3.

²⁾ Naturhistorisches Museum, Augustinergasse 2, 4051 Basel, Switzerland.

³⁾ Avenue des Alpes 29, 1814 La Tour de Peilz, Switzerland.