

UID: 198405

## Field Report

A fieldwork report on the Tertiary Stratigraphy of Kachchh, Gujarat

(15th Dec 2019 to 27th Dec 2019)



By  
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M.Sc I

Submitted to

Department of Geology  
St. Xavier's College, Mumbai  
December 2019

## CERTIFICATE

This is to certify that Mr. Grayden Sylvester Everett Class- M.Sc.-I UID No- 198405 has successfully carried the compulsory field work at Kachchh in Gujarat State from 16<sup>th</sup> December, 2019  
- 25<sup>th</sup> December 2019 as a part of the curriculum.

**Field Instructors**



Dr. Shweta Gurav

**Field Instructors**



Mr. John Dsouza



Dr. Pravin Henriques  
Head,  
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## ABSTRACT

From 15<sup>th</sup> December 2019 to 27<sup>th</sup> December 2019, field work was carried out around the cities of Ber Moti, Harudi, Khari, Lakhpat, Matanomadh and Naredo, in the district of Kachchh, Gujarat. The study area fell under the toposheets: 41A/10, 41A/11, 41A/14, 41A/15 and 41A/16. Extensive fieldwork was conducted in various areas to study the tertiary sediments of the western part of the Kachchh basin. The sediments and litho-units were well exposed in the narrow coastal plains and peripheral plains along road and river cut sections, hill slopes and low ground areas. The Tertiary stratigraphic succession of Kachchh starts with Matanomadh Formation at the base followed by Naredi Formation, Harudi Formation, Fulra Limestones and Maniyara Fort Formation depositing during the Paleogene and Khari Nadi Formation, Chhasra Formation and Sandhan Formation depositing during the Neogene. Studies were carried out to understand the lithologies and fossil assemblage of Matanomadh, Naredi, Harudi, Fulra and Maniyara Fort Formations. Sedimentary logs were also created for each Formation.