

4. A map of the Dominican Republic will appear. West of *Santiago*, a large city, there are three rivers. List the names of the three rivers: _____, _____, _____.
5. Click on the Rio Gurabo and a map of the river will load. Name the three regions that the river is divided into: _____, _____, _____.
6. To view the layers of sedimentary rock exposed along the river, select "[Click here for stratigraphic column](#)" at the **top left** of the page.
7. A diagram showing the rock layers along the banks of the Rio Gurabo will load. This diagram is known as a *stratigraphic column*. It shows the locations (in both time and space) of the samples taken from these layers. The *layers* of rock were measured, studied, and named as different *formations*. The position of each sample is indicated in meters relative to the base of a geological formation known as the Tabera Formation. Approximately 400 samples of fossils were taken from these rock layers. Each sample typically has five numbers (e.g., 15804). These numbers correspond to museum samples that contain the actual specimens. Several million fossils were collected from the banks along the Rio Gurabo.
8. The layers of rock in the Rio Gurabo section are divided into three different formations (abbreviated "Fm"). List the names of the three formations exposed along the banks of the Rio Gurabo: _____, _____, _____.
9. Where is the boundary between the Cercado and Gurabo Formations in the Rio Gurabo section? (Your answer should be in meters) _____ m.
10. Locate sample 15901 and then click on it. Information about this sample will subsequently load. A diagram below explains how to interpret the information:

NMB 15901 = locality

Gurabo = River name

122m = position of sample in the column (in meters)

Cercado Fm. = Formation the sample is located within.

Miocene = Age (epoch) of the sample

Dominican Republic NMB15901 Locality Page - Microsoft Internet Explorer

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Locality = NMB15901 Gurabo, 122 m, Cercado Formation, nn11, l.Miocene

Locality Group = G1, Gurabo1, 120 - 140 m, Rio Gurabo, fig.4&6, Saunders et al. 1986, 8.3 - 7.5 Ma

Faunal List:

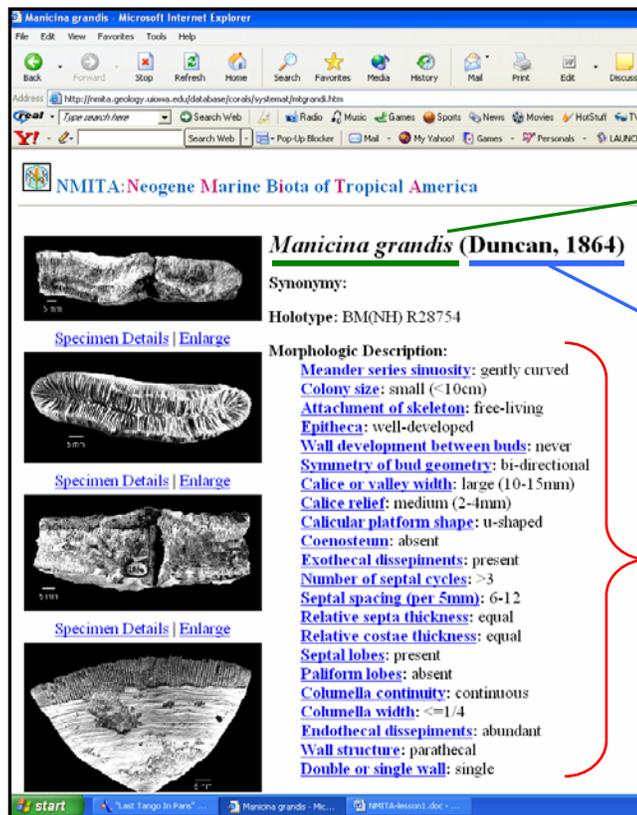
[Manicina grandis](#) ← Species in the sample

Localities within the Gurabo1 section:

NMB15898
NMB15899
NMB15901
NMB15902
NMB15905
NMB15906

For the total fauna identified in section [Gurabo1 click here.](#)

11. What is the exact location of sample number 15901 (in meters) in the Rio Gurabo stratigraphic column? _____ meters.
12. Look at the *faunal* (fossil animal) list and find how many species have been identified in sample 15901: _____ species.
13. What are the names of the species in sample 15901? _____
14. What is the age of the sample? _____
15. In which formation does sample 15901 occur? _____
16. Click on the coral species *Manicina grandis*. Information about this species will load. Below is a key to the information about this species:



Genus and species of coral found in the sample

Author who first described this species and the year the description was published

Photos and characteristic features of this coral species

Geographic and geologic distribution of this species is listed below the features

17. What is the name of the person who first described this species? (this information is located after the scientific name of the species)_____.
18. In what year did this person first describe this coral species? _____.
19. How big is this species? (Hint: look under Morphologic description and locate colony size). _____centimeters.
20. Has this species ever been found in Jamaica? _____.

