

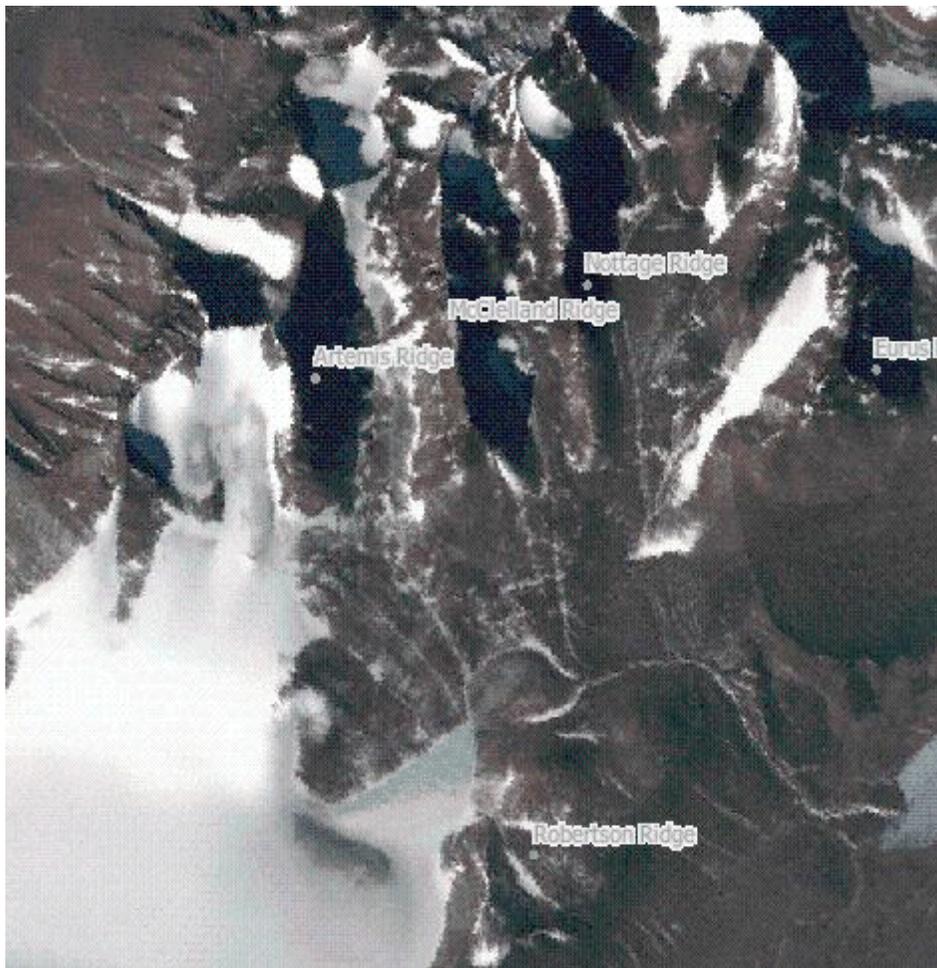
Team Member's Names: Rehanna & Nicole  
School: Mount Vernon Middle School, Mount Vernon, IA  
Teacher: Mrs. Scarce

Proposal:

1. The name and/or description of your chosen ice feature

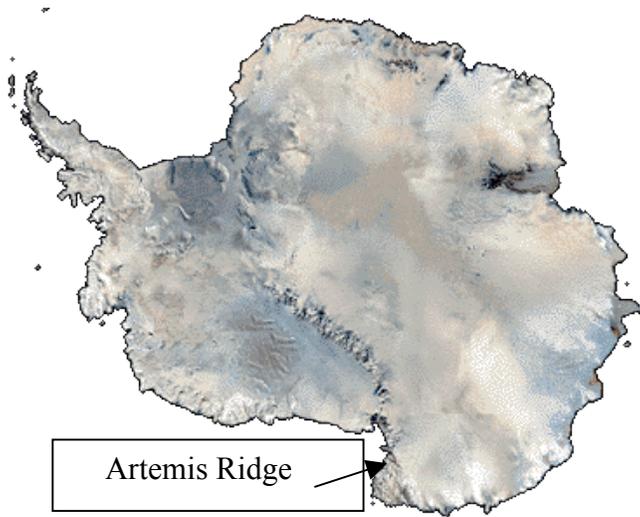
Artemis Ridge is a ridge that is very: tall, enormous, and black. We were also learning about Greek mythology so that is how we chose it. The Lima description says:  
**A ridge, 1 mile long, rising to 1700 meters. between Thomas Valley and the SW part of Clark Glacier in Olympus Range, McMurdo Dry Valleys. In keeping with the names from Greek mythology grouped in this area, named by NZGB (1998) after a goddess associated with the moon.**

2. An image of your chosen ice feature



3. The location of your selected feature in terms of its longitude and latitude as well as the region of Antarctica in which it exists. (Teams are encouraged to include a map of Antarctica with a mark pinpointing the location of their selected feature).

**latitude:77 south longitude:162 west**



4. A paragraph explaining why your chosen ice feature is scientifically interesting. It may have some interesting organisms that we have never seen before. We think that scientists have not explored it properly. We have heard of variations of cryptoendolithic organisms, and we think that there might be some in the rocks. We hope that you plan to explore this area more thoroughly as it is probably very similar to the kind of environment found on other planets..

5. A paragraph hypothesizing what geologic processes you think are occurring to create this ice feature.

The geologic processes that contributed to this feature were probably plate tectonics and volcanoes. This created the mountains and Artemis ridge.

6. A paragraph asserting why you and your team should be funded to further investigate this area of Antarctica. (In other words, what are the potential benefits of exploring this feature?)

We think that we should be further funded to investigate this area because the dry valleys offer a lot of interesting possibilities. This includes the cryptoendolithic organisms that we mentioned earlier. Also many others reasons as well as extreme environments like on other planets.

