

50-40 Million Years Ago



Antarctica had no ice.

35-30 Million Years Ago

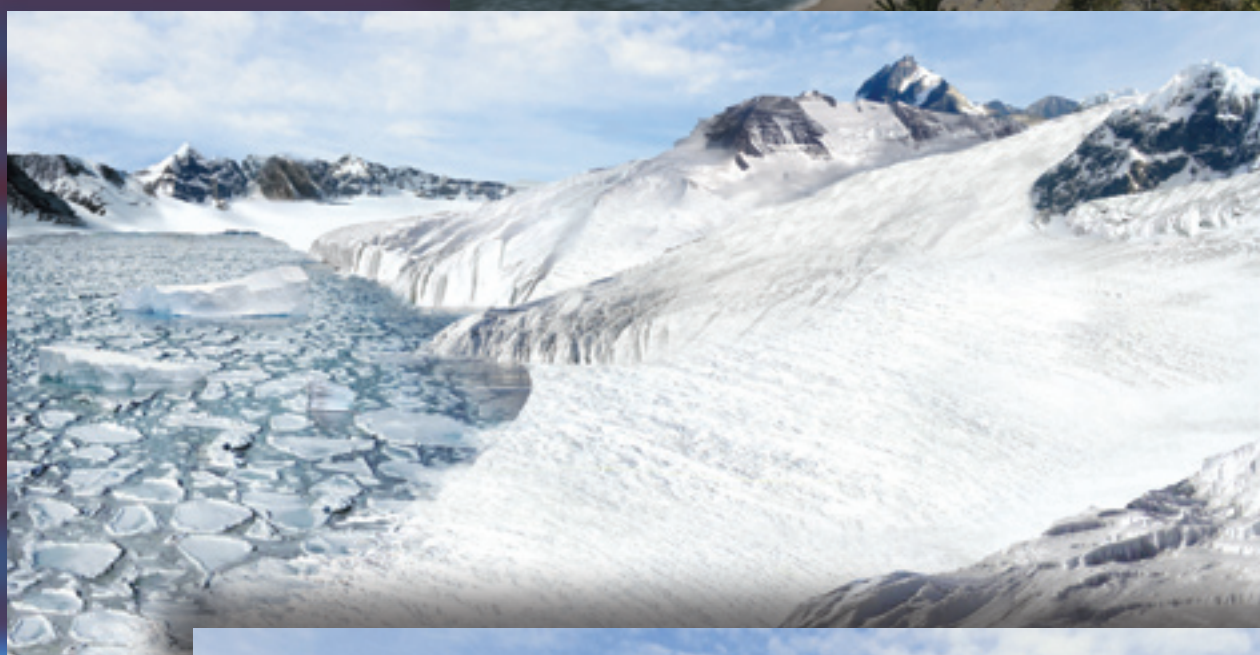
warm



Ice sheets began to develop.

15-10 Million Years Ago

cold



The Antarctic ice sheets formed.

5 Million Years Ago

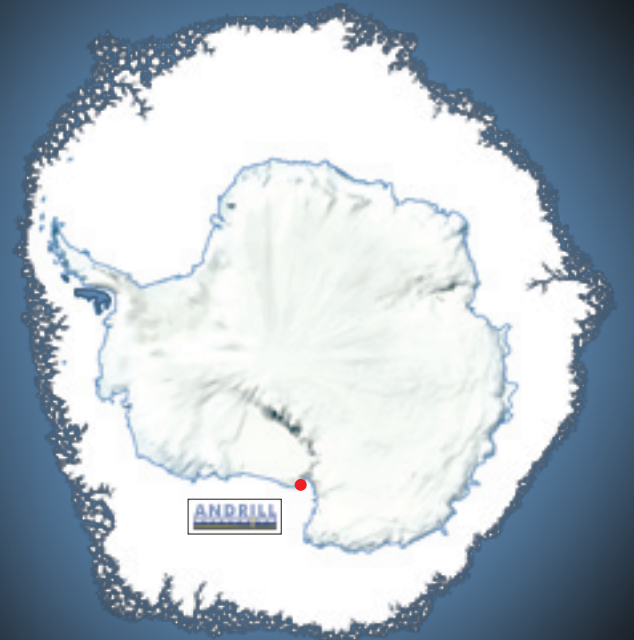
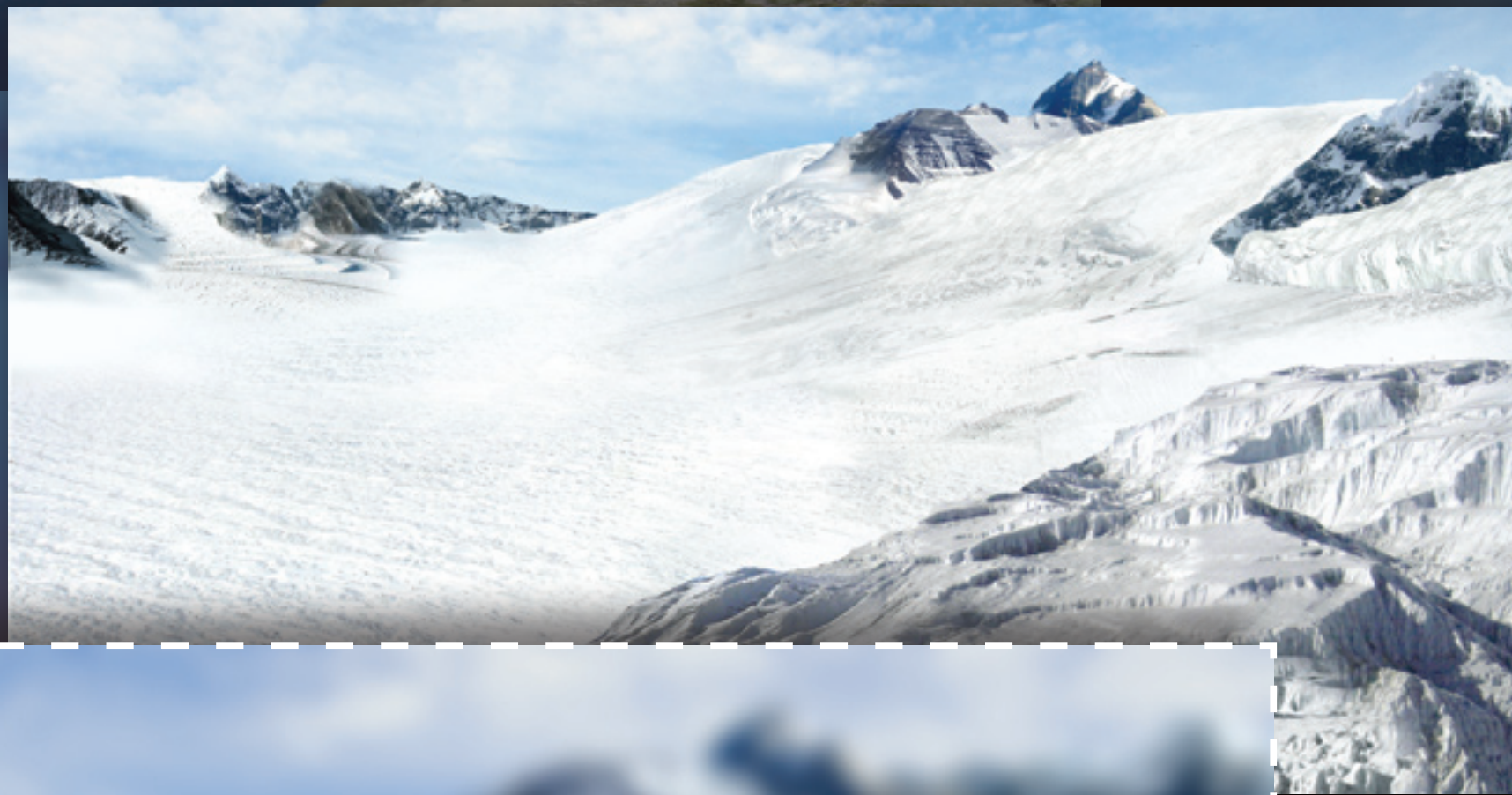
warm



Sometimes the Antarctic ice sheets retreated.

Today

cold



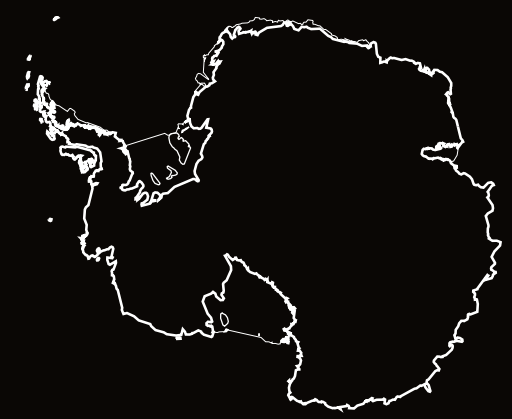
Antarctic ice sheets with frozen ocean.

Future

warming



The Next 1000 Years?



“Temperatures in Antarctica have oscillated through time between cold and warm. Conditions on Earth are returning to a state that hasn’t existed for millions of years. We have to go back to previous times in Antarctica to learn where we’re heading. We still have more questions than answers.”

David Harwood, ANDRILL scientist, University of Nebraska–Lincoln

# Decoding Antarctica's CLIMATE HISTORY

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