

# ISLANDS CARVED BY FLOODS

## Island, Manaus, Amazonas, Brazil, Earth

Two rivers and an urban area dominate this photograph. North-south ground transportation is hindered because no bridges cross the Rio Negro or Amazon River. A large, sediment-laden lake (note irregular shoreline) is located east of Manaus between the main channel of the Amazon River and a smaller channel to the south.

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## Streamlined Islands Chryse Planitia, Mars

Streamlined landforms (or "islands") such as these are low hills with elongated tapered shapes.

These examples formed at the mouth of Tiu Vallis. Similar landforms occur at the mouth of Ares Vallis and other outflows in this area of Mars. Most are oriented parallel to the direction of flow, and were most likely formed by flowing water during flood conditions. Streamlined landforms similar to these occur in central Washington state. The area, called the channeled scablands, formed during catastrophic floods from glacial Lake Missoula, which existed in Idaho during the last ice age. Repeated failures of

the ice dam forming the lake triggered flash floods in Washington, scouring the land into landforms like these.

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