

Mars for Earthlings

LESSON 12: Surface Water

In-Class Activity 2

Surface Water_MFE

Eberswalde Delta Mars

Purpose: Become acquainted with deltas on Earth and apply the principles of delta-formation to Mars images.

Do you know what a delta is?

Compare and contrast the images provided by your instructor (or see the *Image File* for the Surface Water module online). Which image is of a delta? Why?

Delta Search on Earth

1. Explore other deltas on Earth via Google Image search or a similar method (Hint: search major coastal river systems). Which delta on Earth is most similar to Eberswalde Delta on Mars? Are any a good match? Why or why not?

Deltas on Mars?

View the following video from NASA.gov- click on the "+ View Video" link in blue:

http://www.nasa.gov/multimedia/imagegallery/image_feature_98.html

1. List the evidence cited by scientists that this is a delta on Mars.



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2. Using the below grid, compare and contrast the Martian delta and Earth's Mississippi River delta.

Delta	Overall Geometry	Into what body of water/fluid does/did it empty? Evidence?
Eberswalde Delta, Mars		
Mississippi River, Earth		

