

GO THERE—DEATH VALLEY, CALEEFOYNA UPDATED 20061112

8a. Use **FLY TO** and enter the following coordinates to go to northern Death Valley just north of the small town of Stovepipe Wells: 36.65 N, 117.23 W. **ZOOM OUT** to an **EYE ALTITUDE** of about 12 miles. Print this view also. Describe the shape of the large, low relief, bluish gray and brown landform centered on that point in the box below. [Hint: Make sure the scene fully loads before analysis!]

What is the name of the canyon from which this landform emanates? Write the name in the box below. [Hint: You will probably have to zoom in to less than 30,000 feet eye altitude.]

Wave your **PANNING HAND** over the faint gray-tan landform, and observe the changes in elevation. Where is the highest point on the landform?

What is the elevation of its lowest point?

What happens to materials coming out of the canyon to the west and how does that relate to the shape of this bluish gray and brown feature?

Do you think these landforms grow? Explain your reasoning in the box below.

Under what conditions would these landforms grow, based on your observations of the current surface you are observing?

Use the *MEASURE TOOL* to determine the maximum width of this landform to the nearest 0.5 mile and record it in the space below.

Is the landform wider or longer, based on your measurements?

A little over a mile up the canyon to the west, observe the color of the material as it covers the small feeder canyons. [Hint: You may use the measure tool to find this area.] How does the material covering the small feeder canyons compare or contrast with the main material that makes up the large landform we zoomed on in northern Death Valley?

Is the material that makes up the landform about the same composition as the material in the walls of Marble Canyon?

What is the evidence to support your hypothesis?

Do other landforms like this one occur anywhere else in Death Valley? What features do they share in common with the landform you just described?

Using *WIKIPEDIA* (<http://www.wikipedia.org>) or another internet source, briefly define the following terms in your own words:

- Define Delta:

- Define Alluvial fan:

- Define Bajada:

- Define Point bar:

Which of the terms you just defined would best describe the main landform you analyzed?

Which of the items you just defined would best describe the area on both sides of northern Death Valley that begins about 5 miles north of the landform you just described?

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How are the whitish flat areas in Death Valley proper, both north and south of the landforms, related to the landforms you just described?

Borax is commonly used as a soluble additive to laundry products (*e.g. 20 Mule Team Borax*[®]) and was discovered in the Death Valley area in the nineteenth century. Describe or give the names of the areas in Death Valley proper where there are significant deposits of borax, based on your observations?

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1. ATTACH PRINT VIEW HERE