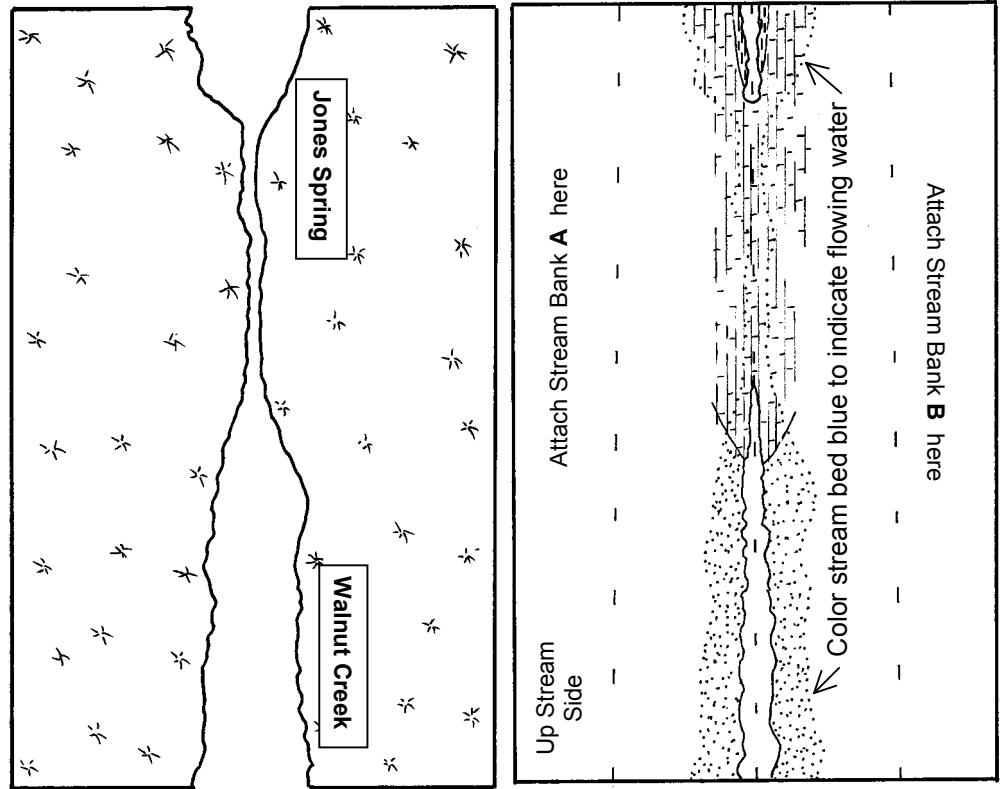




# Jones Spring at Pedernales Falls

**Instructions:**

1. For best results, copy the patterns onto cardstock.
2. Color the model before cutting it out.
3. Cut along the solid lines.
4. First crease, and then fold, the dashed lines.
5. Assemble the Base by gluing the tabs to the inside.
6. Attach the Stream Valley Surface to the tabs on top of the Base.
7. Attach Stream Banks A and B.



Stream Bank A

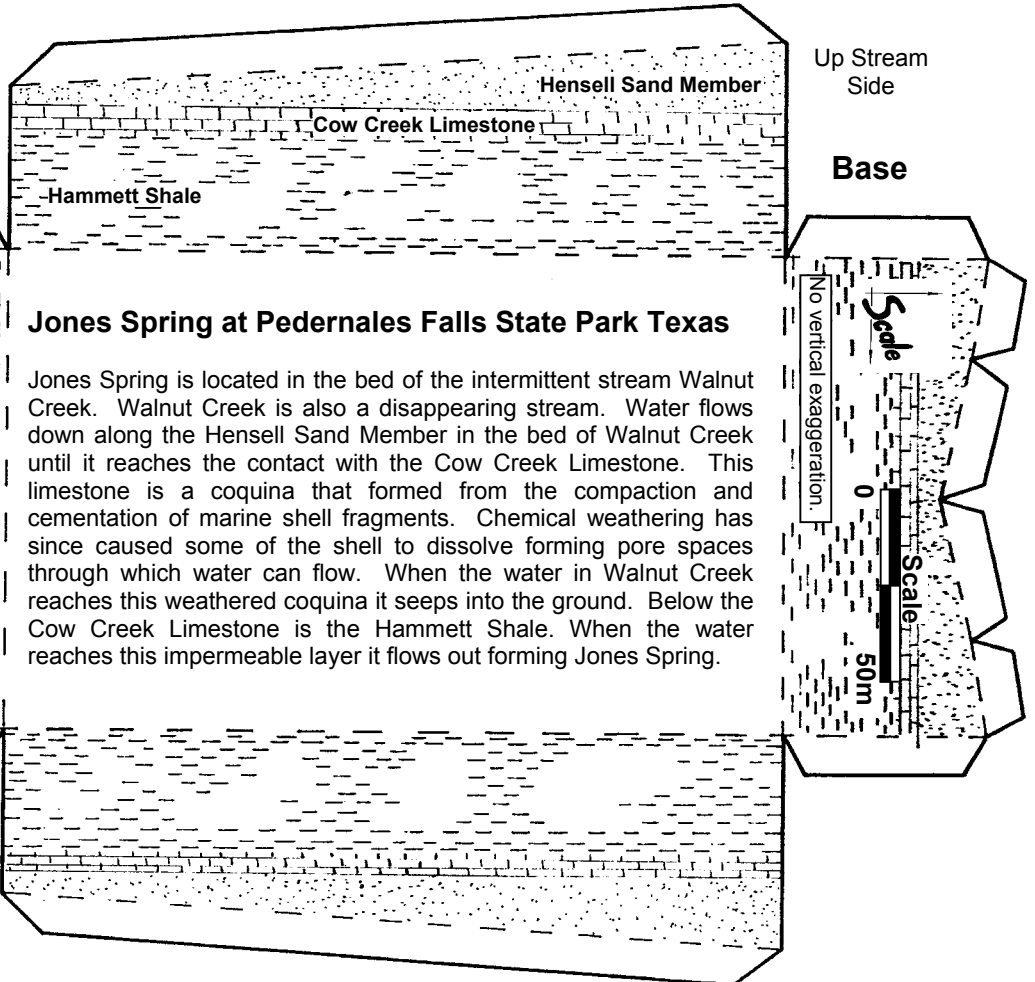
Stream Bank B

Stream Valley Surface

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## Jones Spring at Pedernales Falls State Park Texas

Jones Spring is located in the bed of the intermittent stream Walnut Creek. Walnut Creek is also a disappearing stream. Water flows down along the Hensell Sand Member in the bed of Walnut Creek until it reaches the contact with the Cow Creek Limestone. This limestone is a coquina that formed from the compaction and cementation of marine shell fragments. Chemical weathering has since caused some of the shell to dissolve forming pore spaces through which water can flow. When the water in Walnut Creek reaches this weathered coquina it seeps into the ground. Below the Cow Creek Limestone is the Hammett Shale. When the water reaches this impermeable layer it flows out forming Jones Spring.

**Coloring Key:**

- Hensell Sand Member (reddish-gray)
- Cow Creek Limestone (light tan)
- Hammett Shale (grayish-green)
- Vegetation (green)