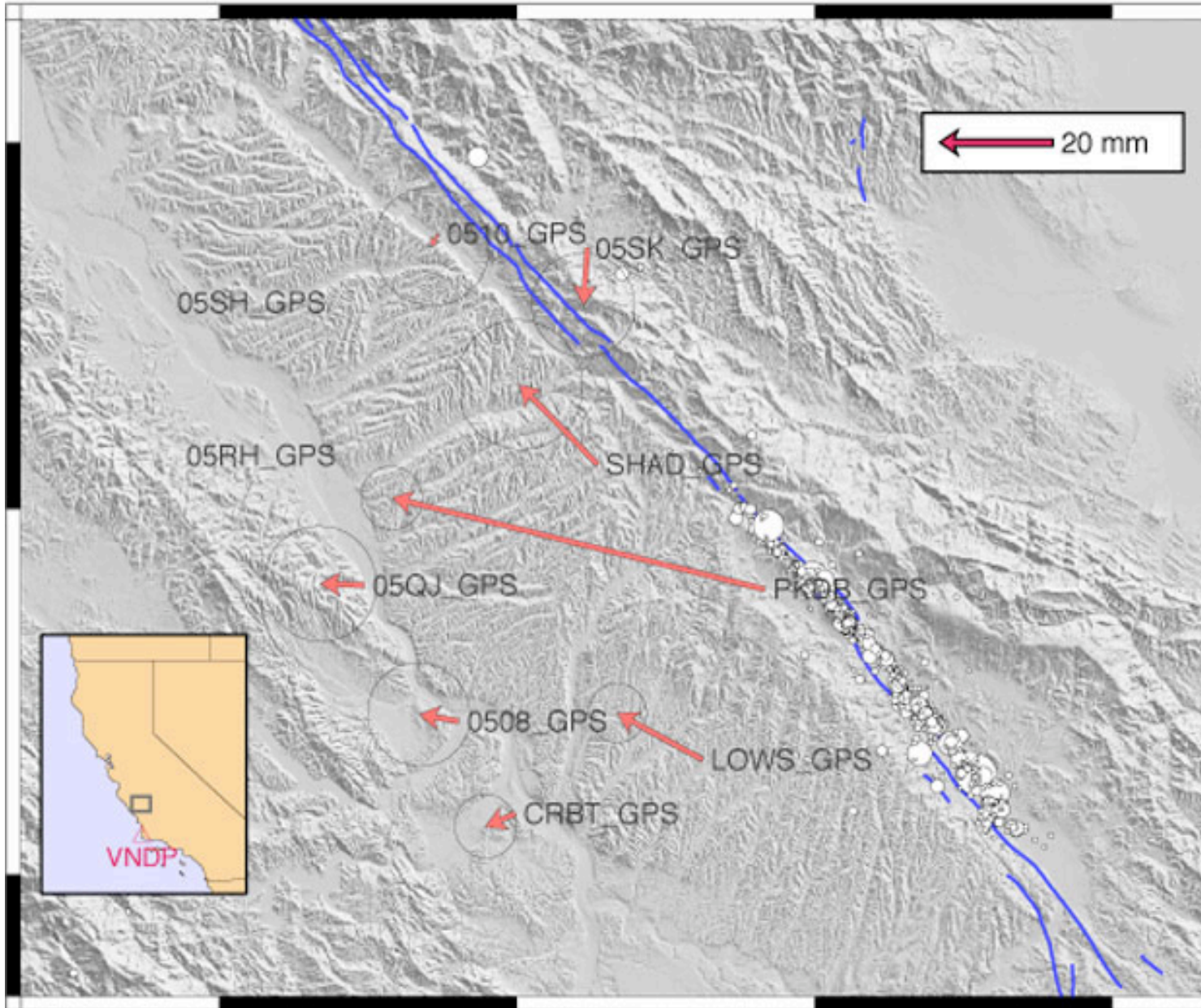


km

0

50

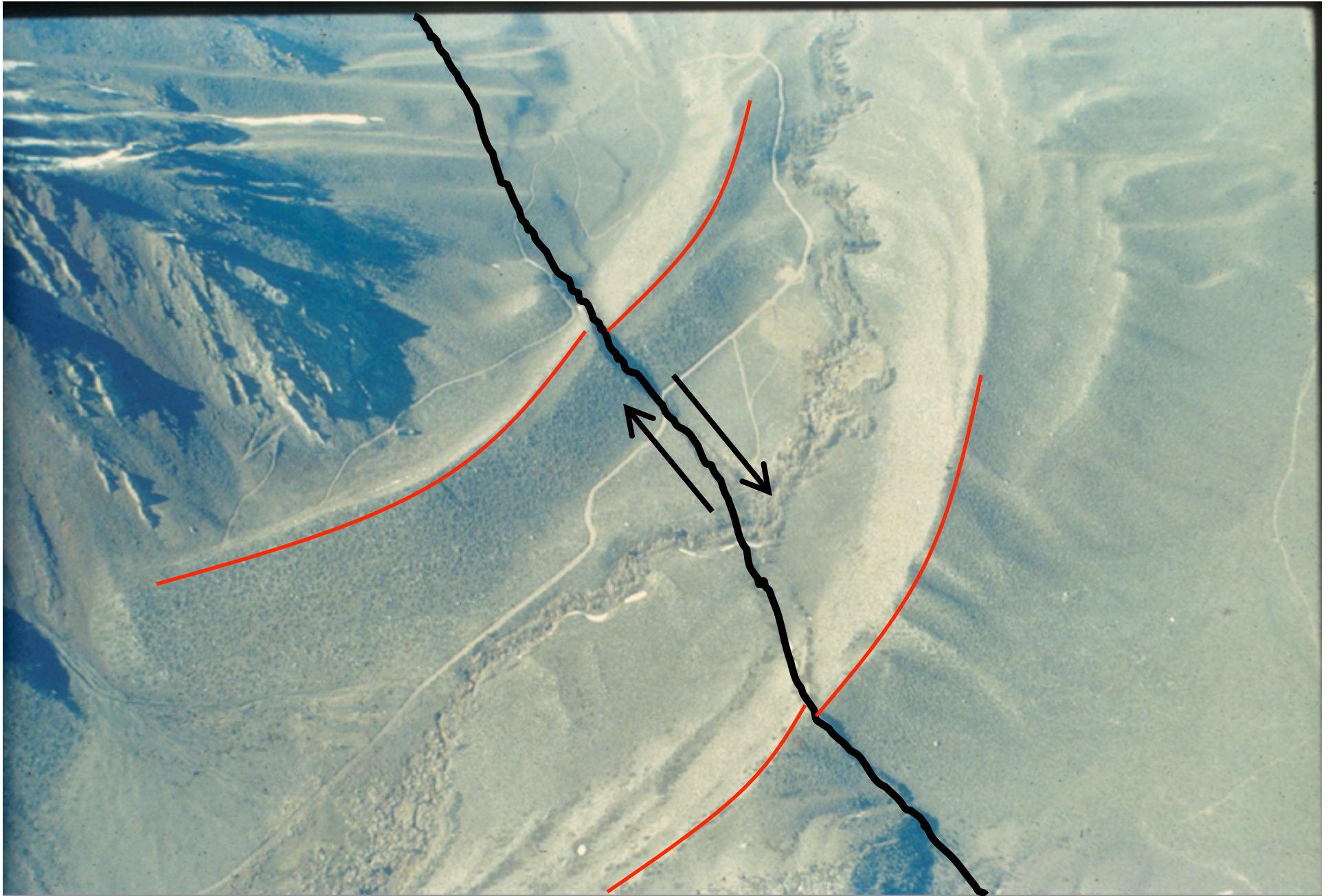


Historical faulting



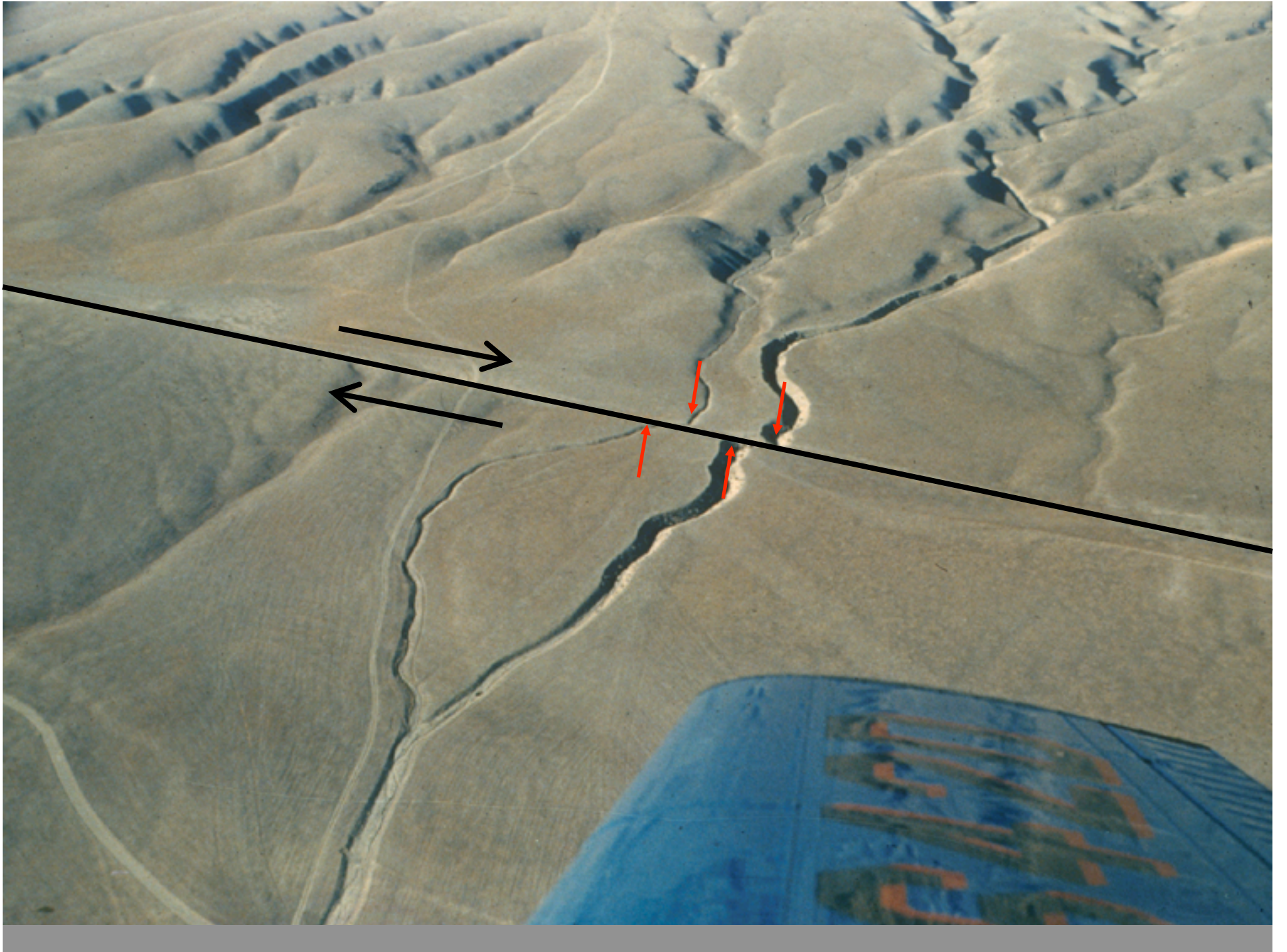
post-Pleistocene
offset





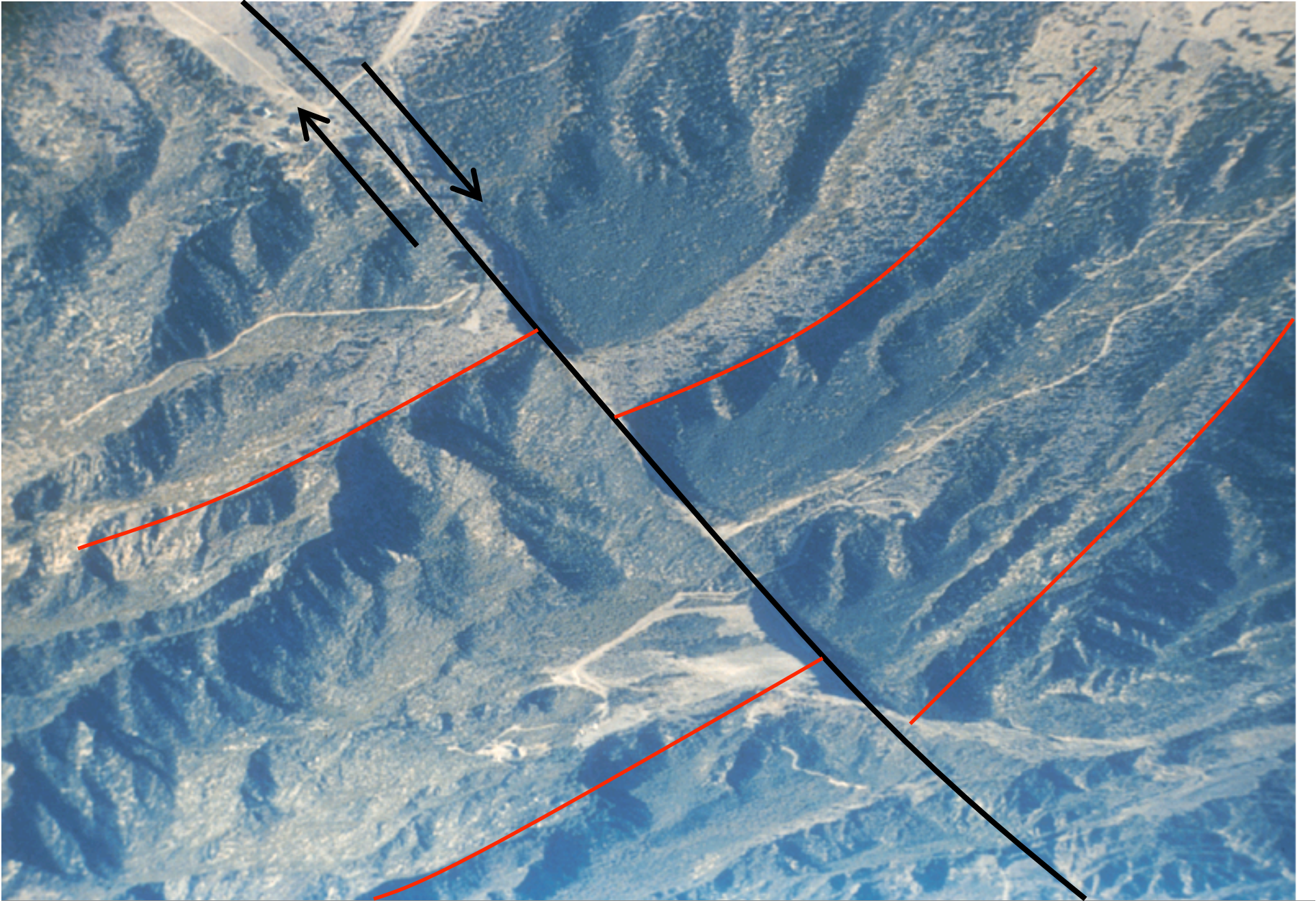
Recent
offset

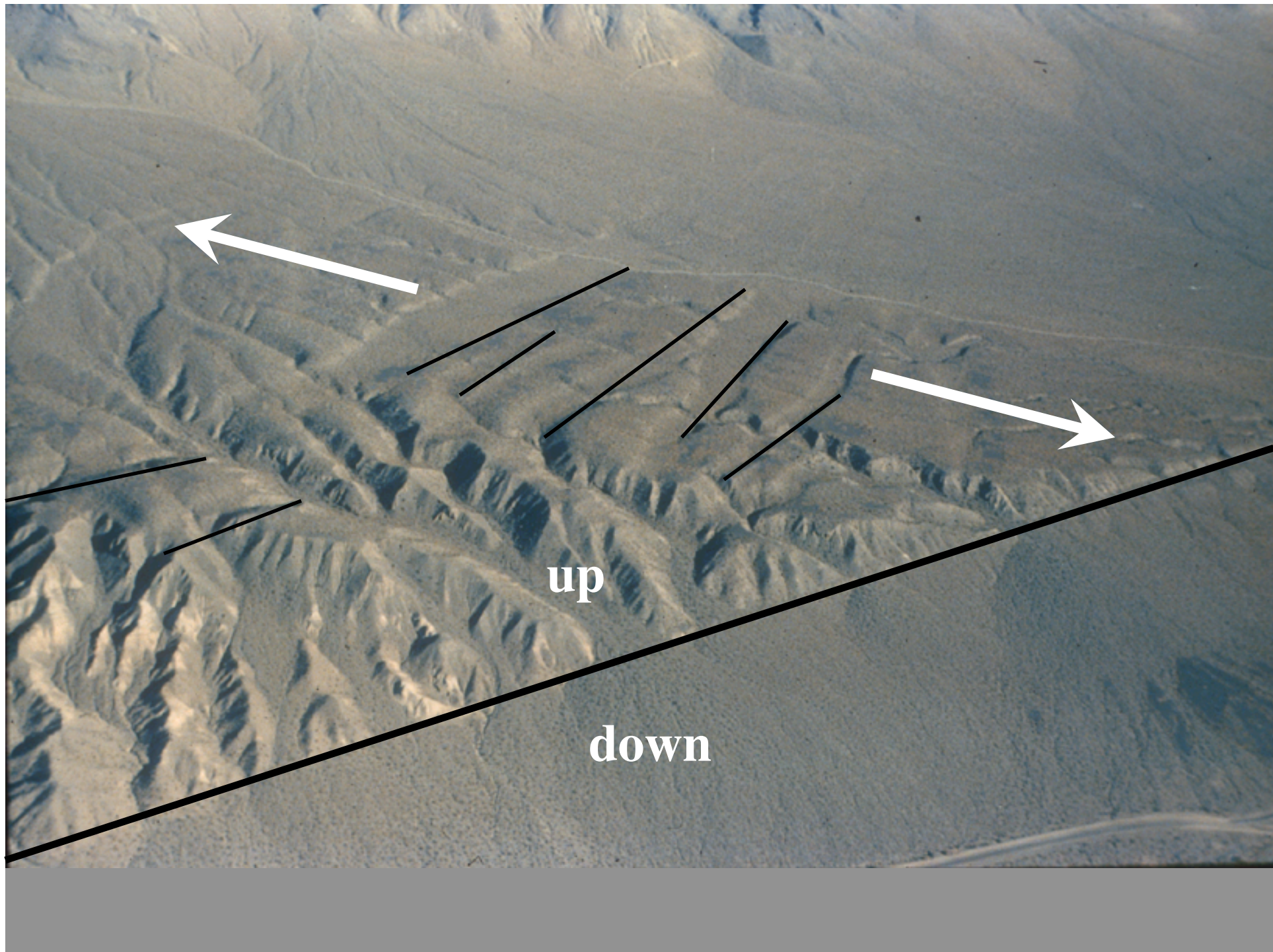




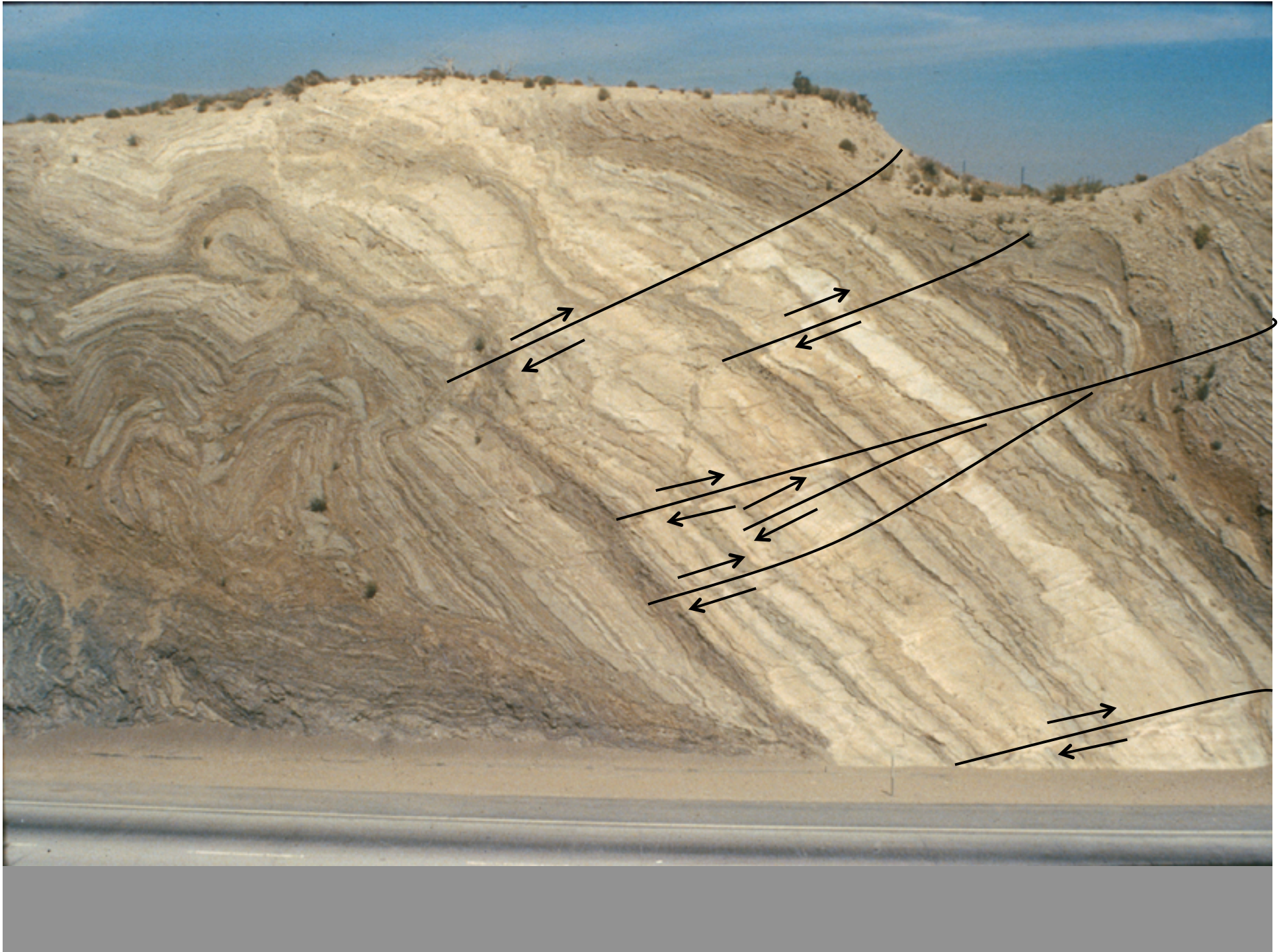
Pleistocene offset













Precambrian
gneiss

Tertiary
conglomerate



old metamorphic rocks

on top
of
young sedimentary rocks

An aerial photograph of a mountain range. The foreground shows rugged, light-colored rock formations with distinct horizontal layering. The middle ground consists of rolling hills and valleys covered in dense green forest. In the background, a long, low mountain range stretches across the horizon under a blue sky with scattered white clouds. The text 'Cambrian limestone' is overlaid in the upper left, and 'Jurassic sandstone' is overlaid in the center of the foreground.

**Cambrian
limestone**

**Jurassic
sandstone**

An aerial photograph of a mountain range. The foreground shows rugged, light-colored rock formations with distinct horizontal sedimentary layers. The middle ground consists of rolling hills and valleys covered in sparse vegetation. In the background, a long, dark mountain range stretches across the horizon under a blue sky with scattered white clouds. The text is overlaid in white, sans-serif font.

older sedimentary rocks

**on top
of
younger sedimentary rocks**

joints



fractures, but no motion



A wide-angle photograph of a canyon landscape, likely the Grand Canyon, showing distinct horizontal and dipping rock layers. The foreground shows a steep, eroded slope with horizontal strata. The middle ground features a deep canyon with more complex, dipping strata. The background shows a vast, flat plain with horizontal layers extending to the horizon. The sky is clear and blue.

horizontal

younger
on
older

dipping



anticline

beds dip out

anticline



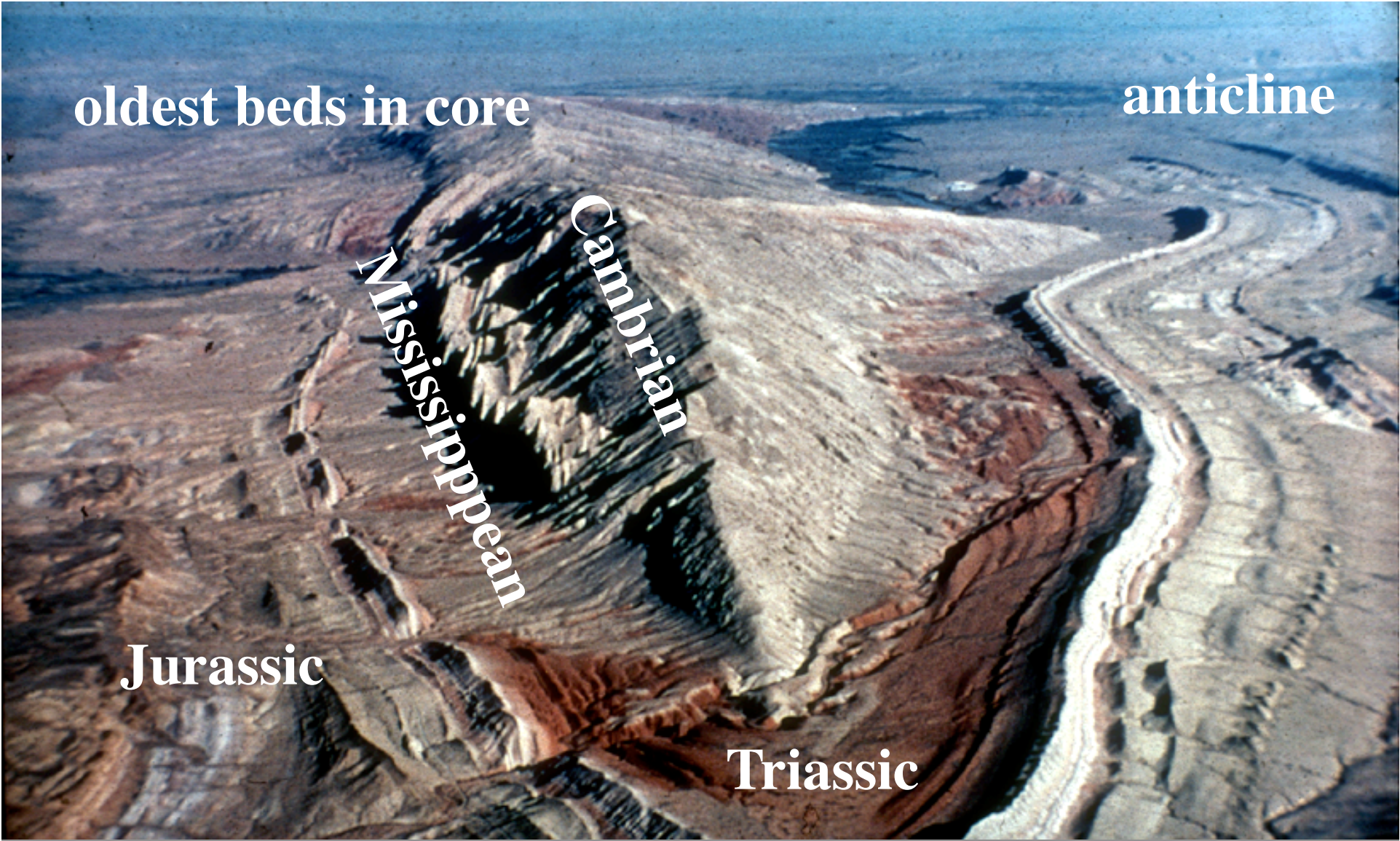
oldest beds in core

anticline

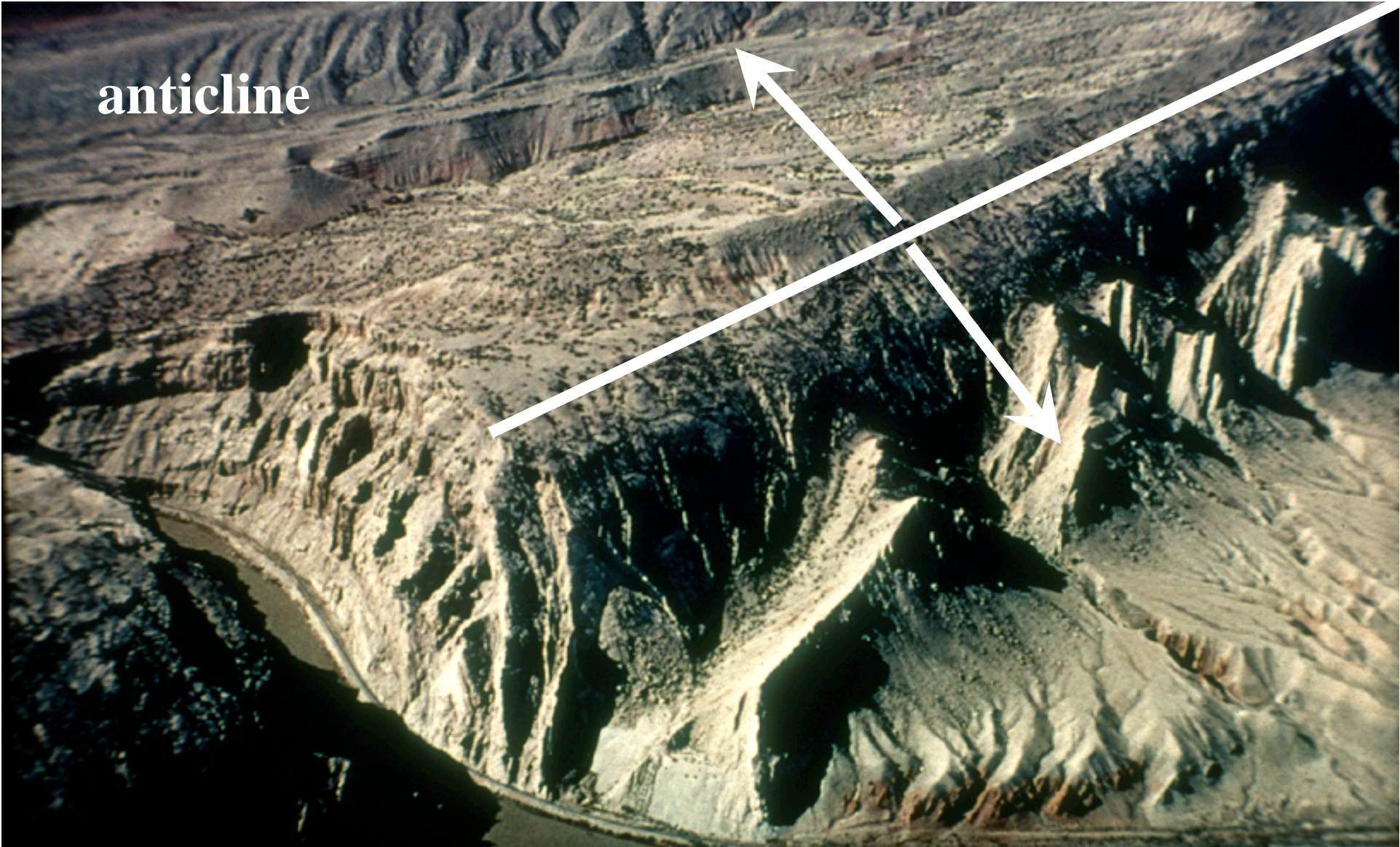
Mississippian
Cambrian

Jurassic

Triassic

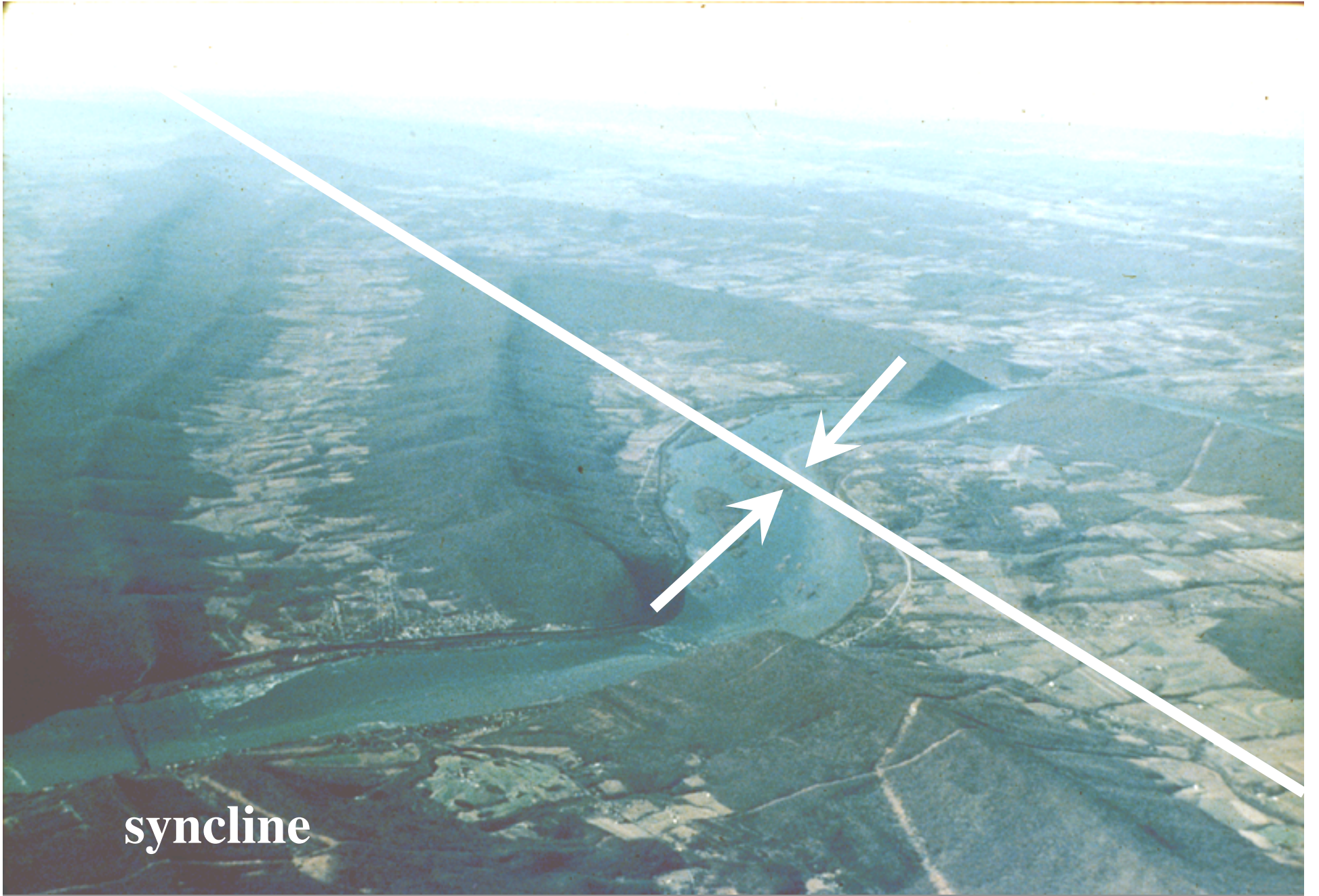


anticline

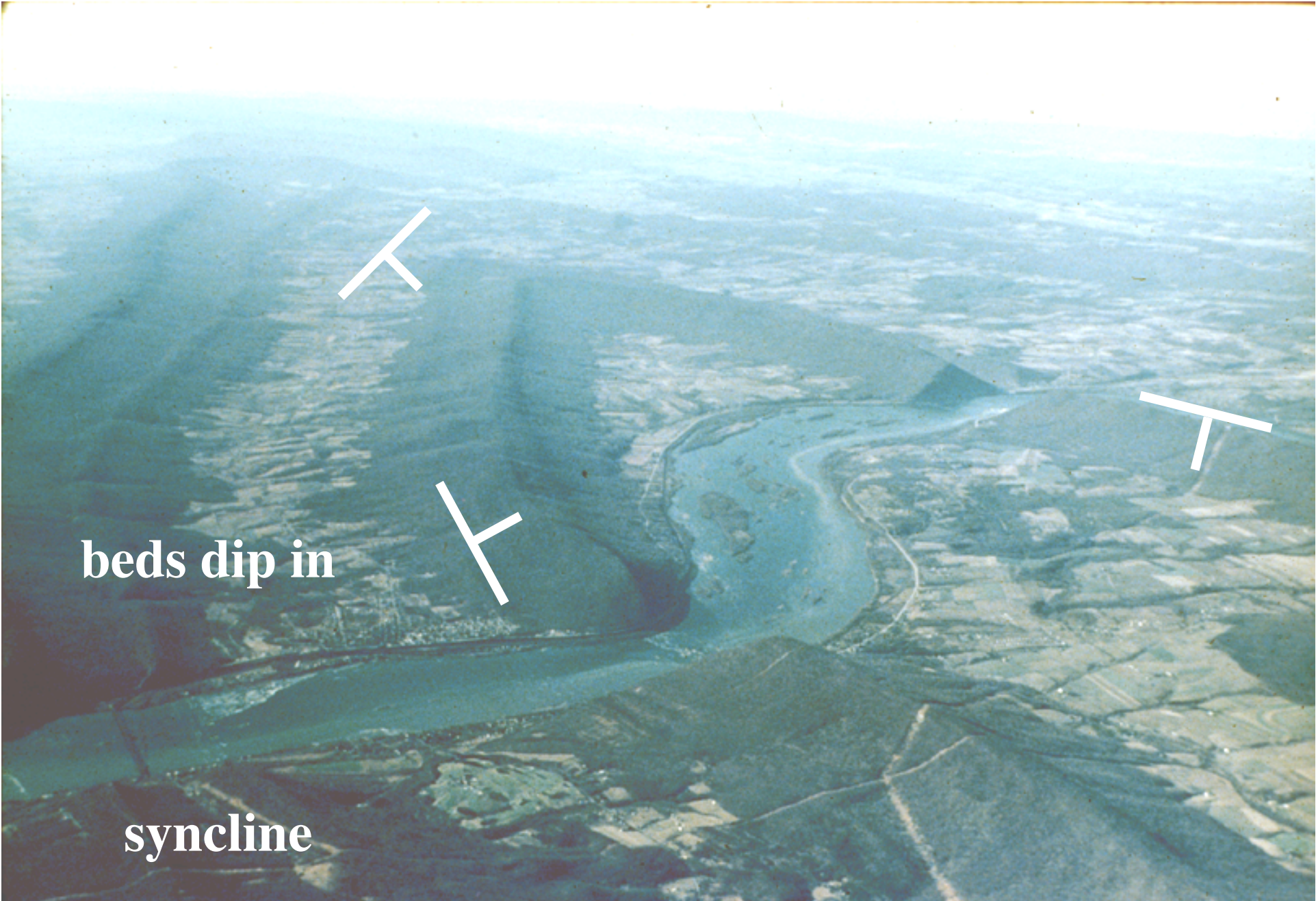


syncline



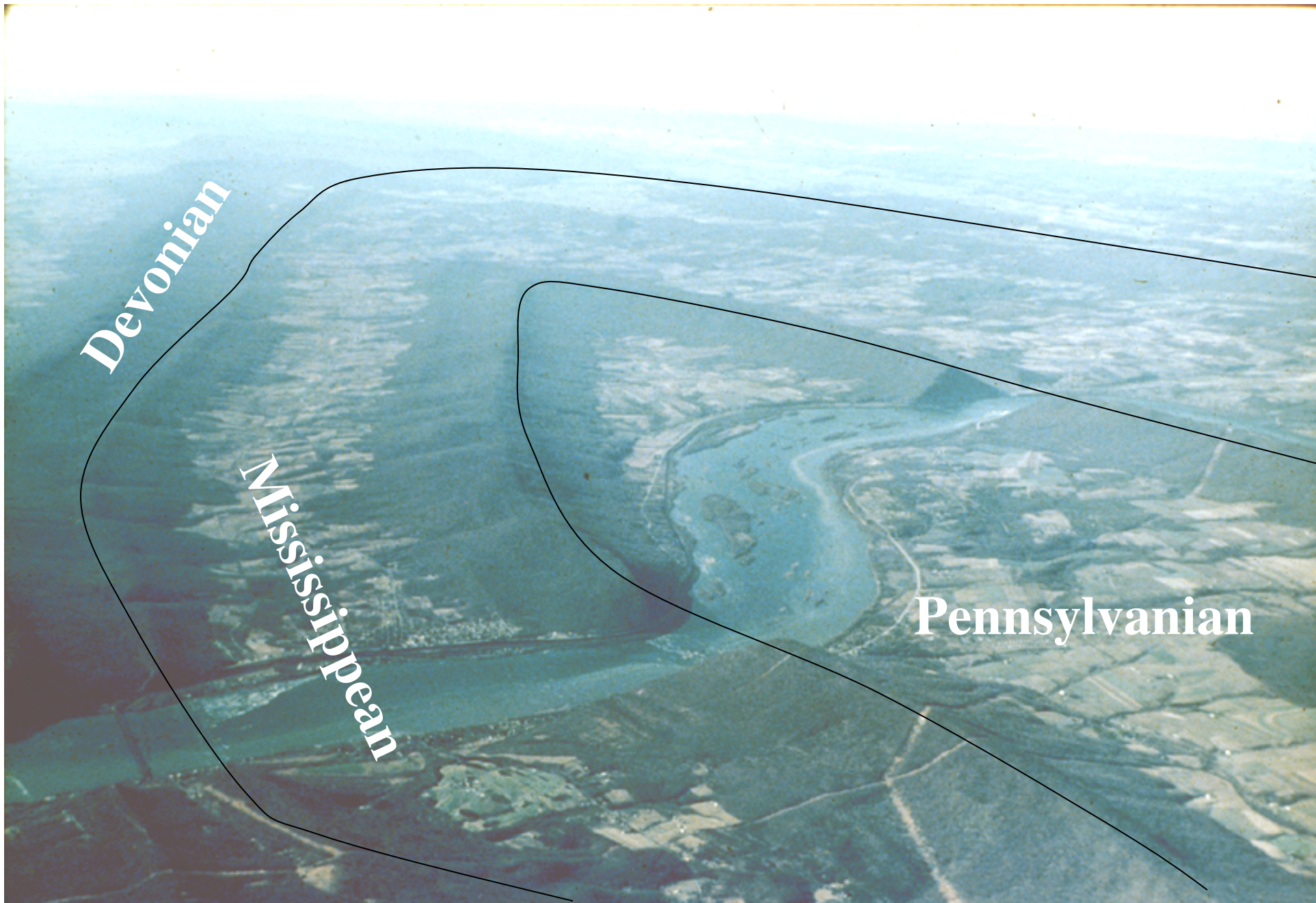


syncline



beds dip in

syncline



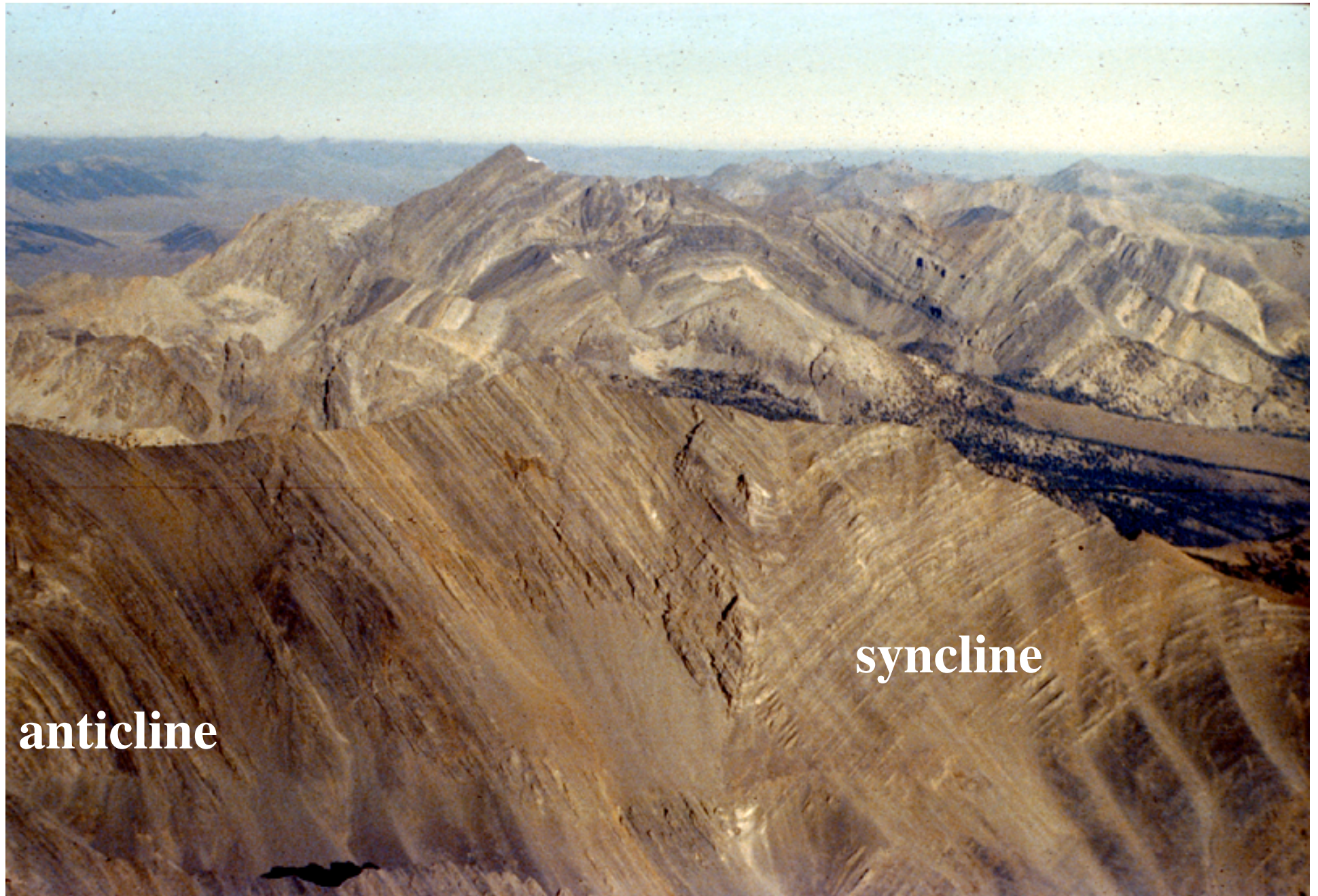
Devonian

Mississippian

Pennsylvanian

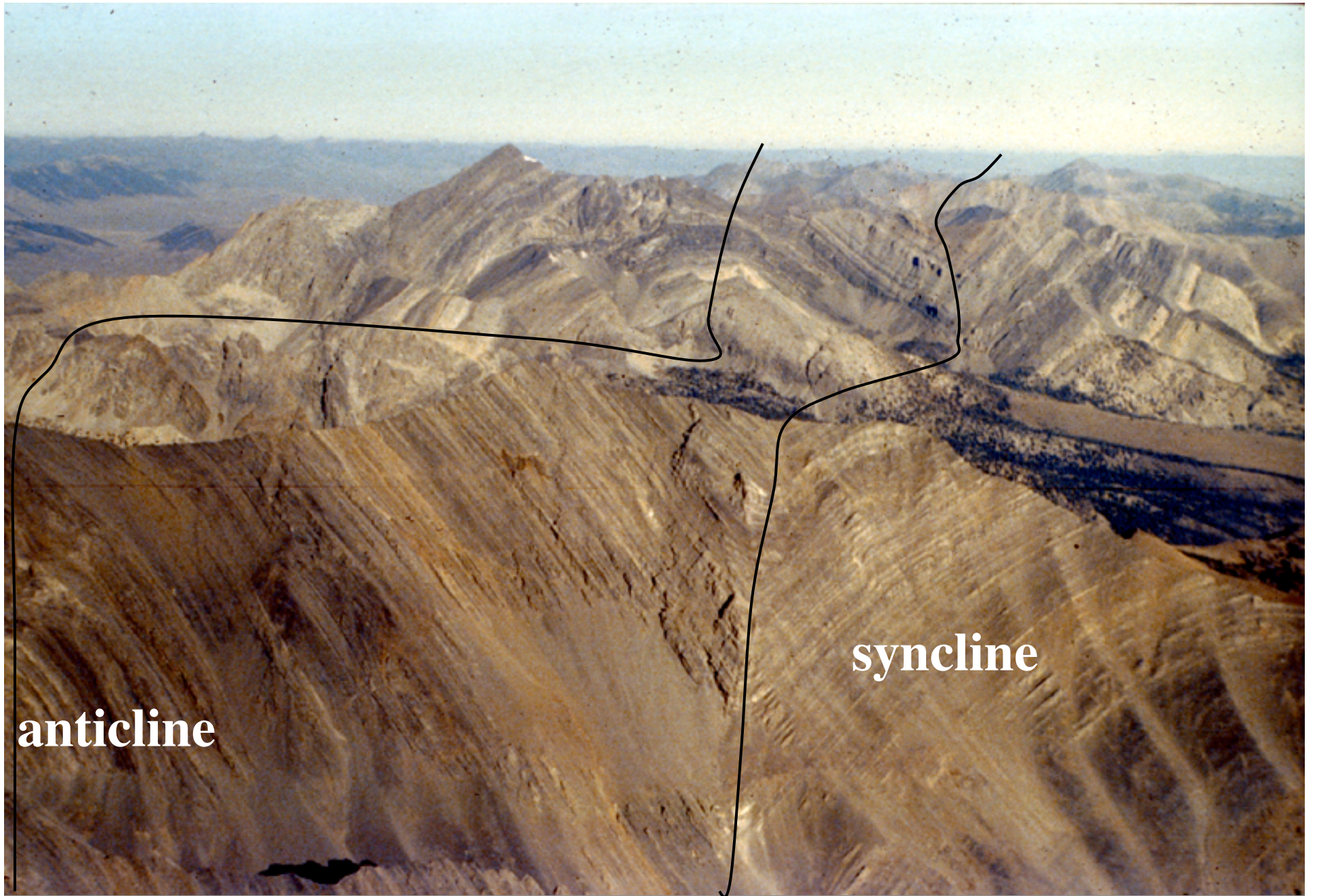
syncline

beds youngest at core



anticline

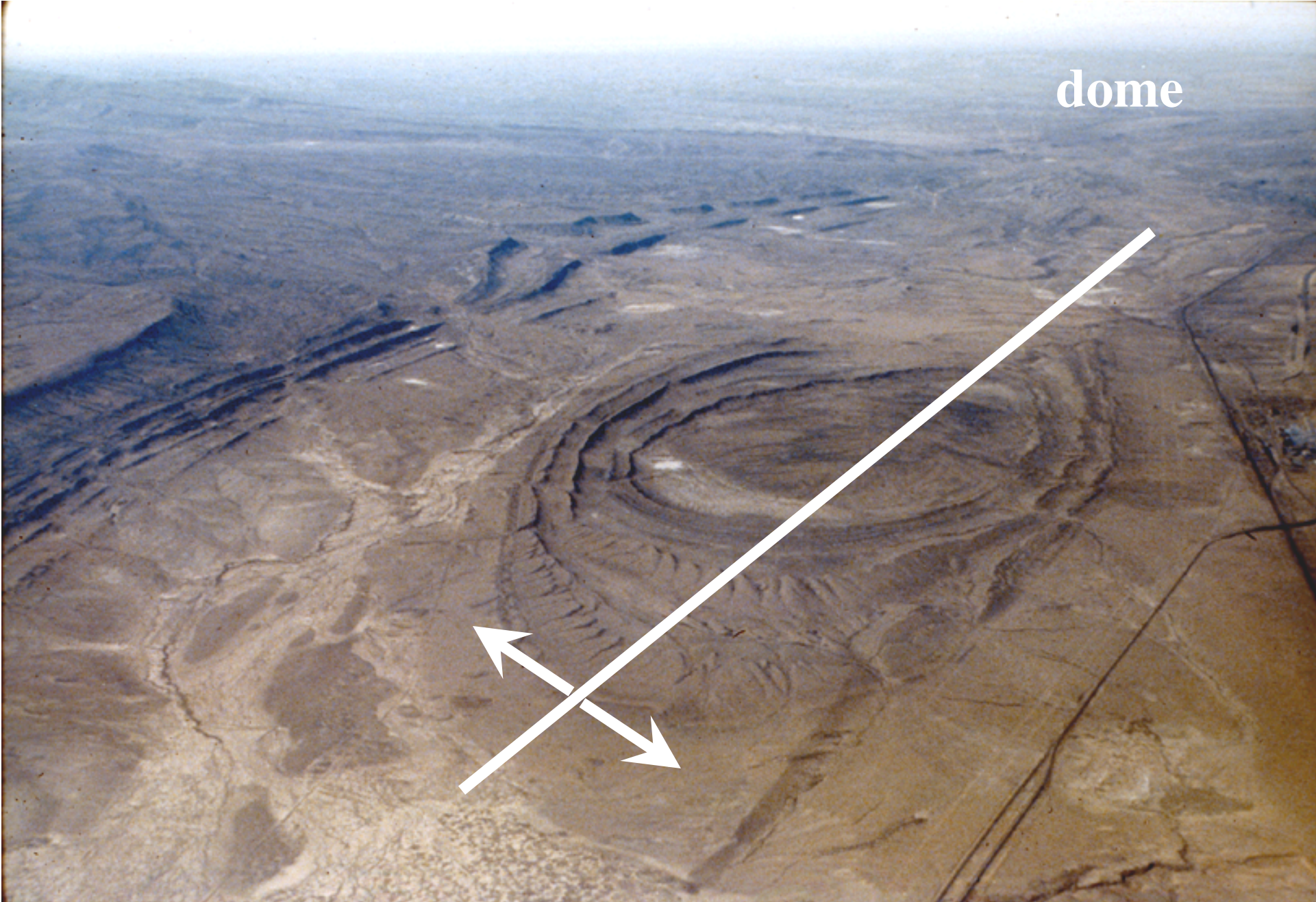
syncline



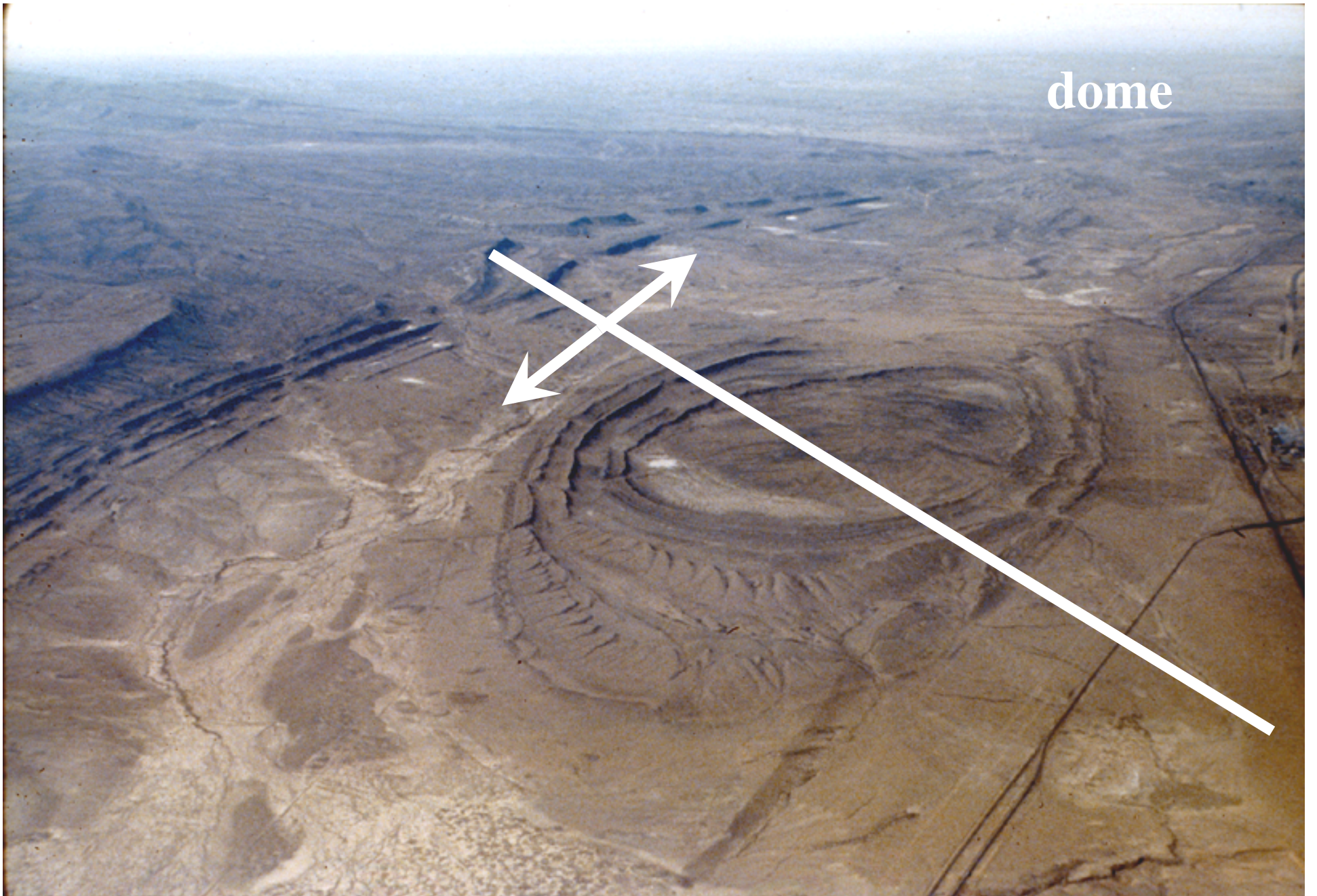
anticline

syncline

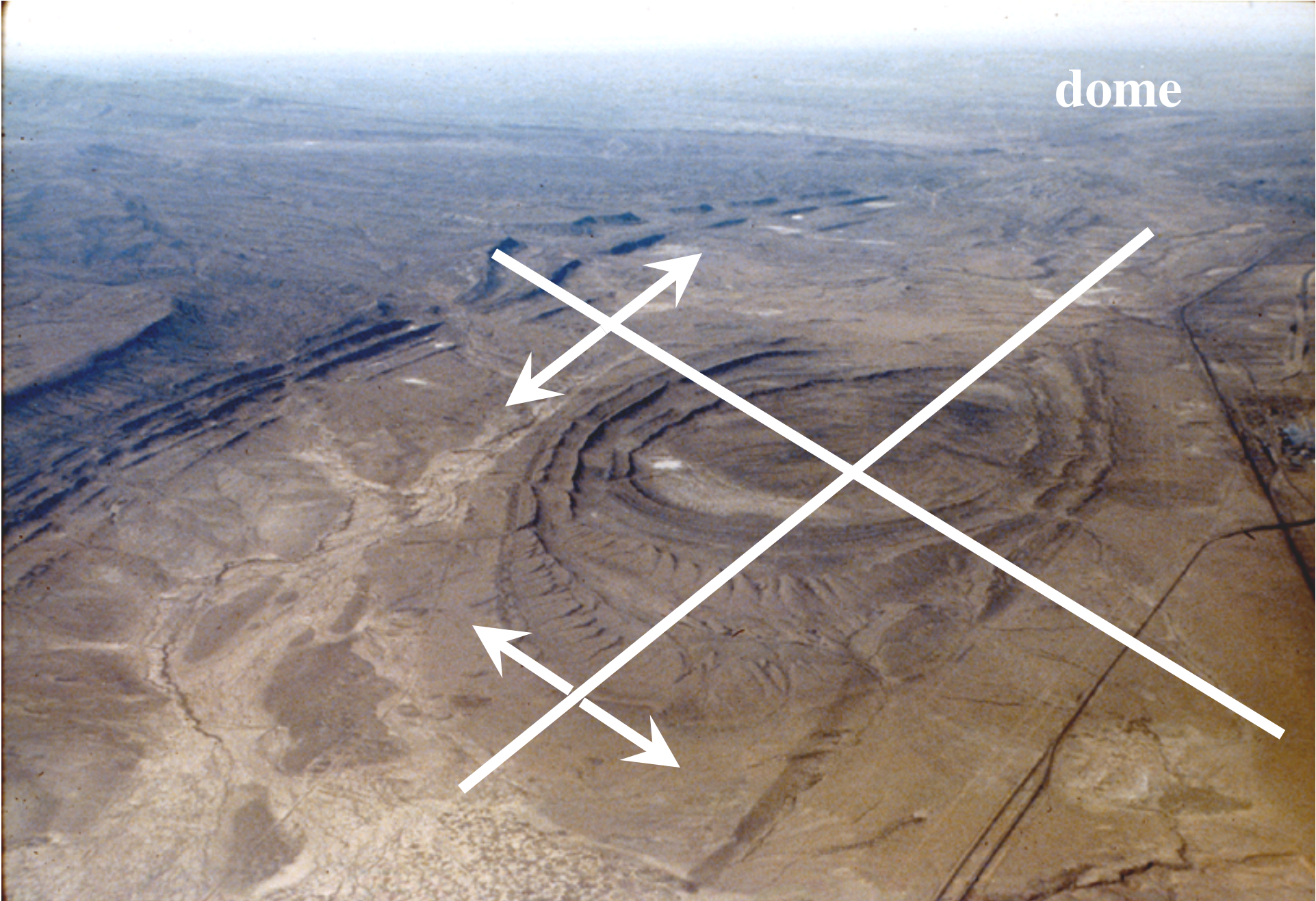
dome



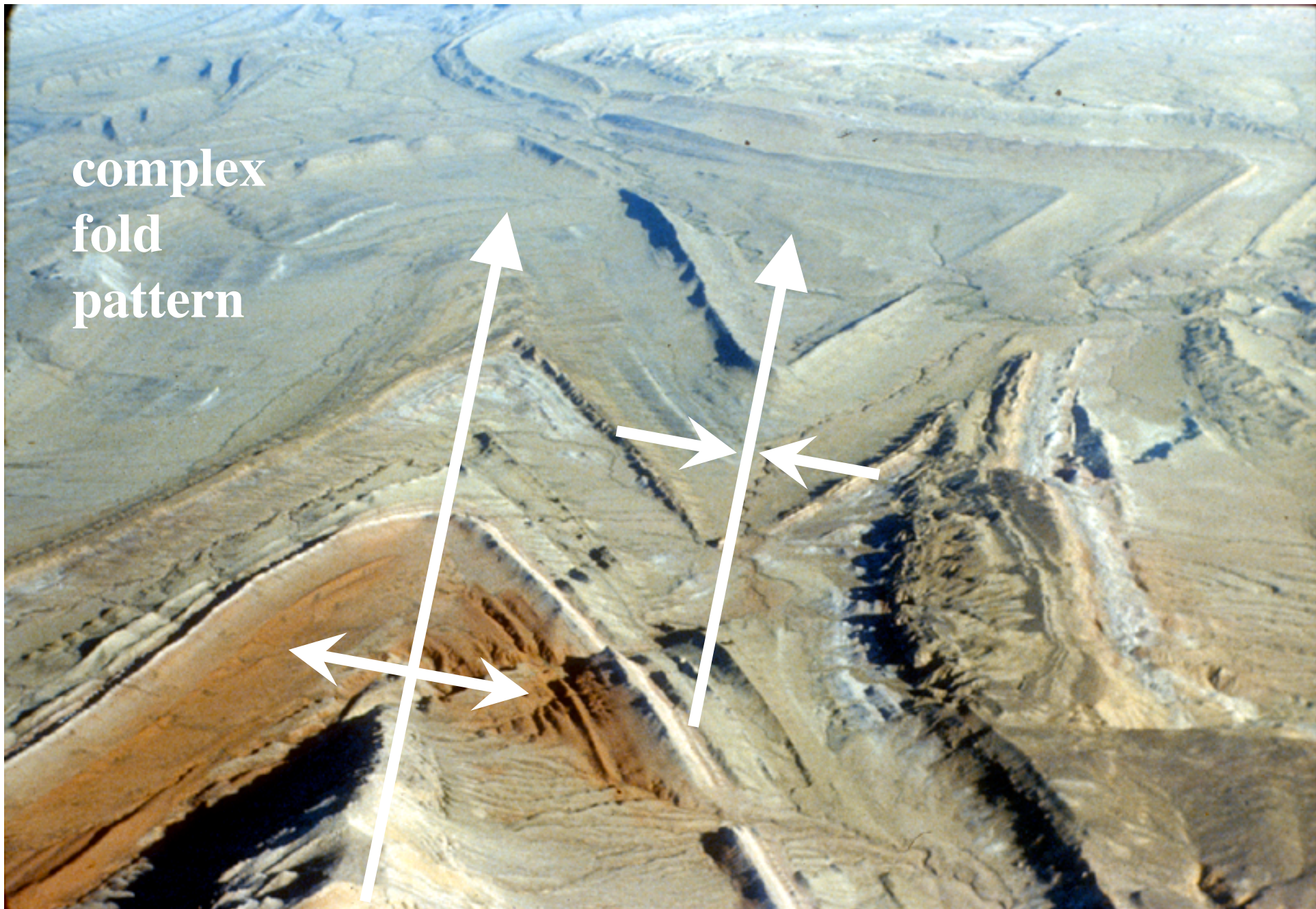
dome

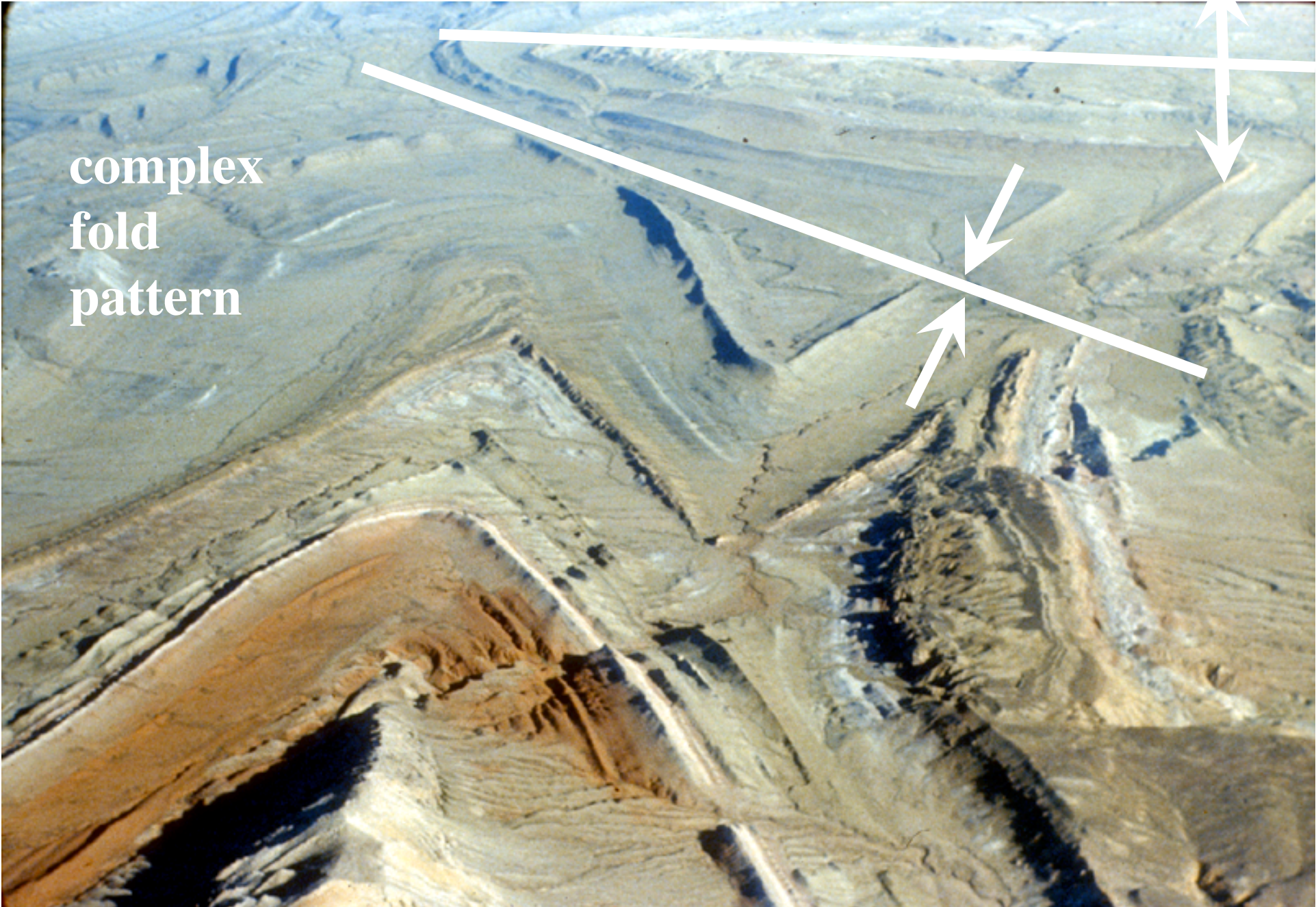


dome



complex
fold
pattern





complex
fold
pattern

recumbent
fold



recumbent
fold

