Geologic Map of Amistad National Recreation Area

Texas

National Park Service
U.S. Department of the Interior

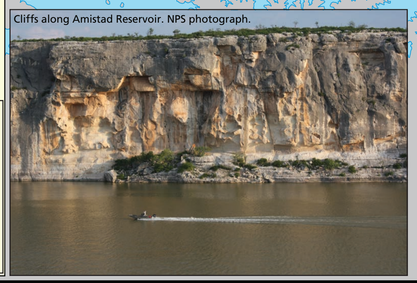
Geologic Resources Inventory
Natural Resource Stewardship and Science

Eastern Portion

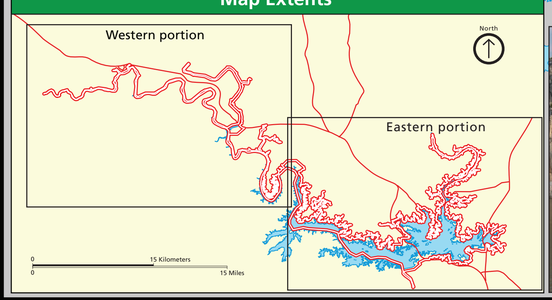
Comstock Anticline
Live Oak Creek
Cow Creek
California Creek
Evans Creek
Feely Anticline
Big Satan Creek
Bluff Creek
SATAN CANYON
Indian Springs
SLAUGHTER BEND
INDIAN CLIFFS
Lowry Springs
TWIN CANYONS
BIG CANYON
ROUGH CANYON
ROUGH CANYON CLIFFS
WINDMILL CANYON
Devils River
CASTLE CANYON
BOX CANYON
AMISTAD RESERVOIR
Rock Quarry
LONG POINT
SAN PEDRO CANYON
GOVERNORS LANDING
Visitor Center
Amistad Dam
MEXICO
RIO GRANDE

Devils Creek downstream of Indian Cliffs. NPS photograph.

Cliffs along Amistad Reservoir. NPS photograph.



Map Extents



North
0
10 Kilometers
0
10 Miles

NPS boundary
Road
Water
Point of interest

Folds
solid where known or certain, dashed where approximate, short-dashed where concealed, dotted where concealed and queried, fine-dashed where inferred, arrows pointing indicate fold type, with arrowhead indicating fold plunge

monocline
anticline
syncline

Faults
solid where known or certain, dashed where approximate, short-dashed where concealed, dotted where concealed and queried, fine-dashed where inferred, with direction indicators, bar and ball indicates fault downside

normal fault
right-lateral fault
left-lateral fault

Sinkholes
solid pink line where known or certain, dashed where approximate, concealed, and/or inferred. Teeth pointing into the depression

sinkhole boundary

Geologic Contacts
solid where known or certain, dashed where approximate, dotted where concealed and queried, short-dashed where inferred, blue where a water boundary, dashed blue where subaqueous (inferred)

contact

Geologic Units

- Qa — Alluvium (Quaternary)
- Qta — Terrace Alluvium (Quaternary)
- Qtg — Terrace Gravel (Pleistocene)
- Qt1 — Younger Terrace Gravel (Pleistocene)
- Qt2 — Older Terrace Gravel (Pleistocene)
- Qt3 — Oldest Terrace Gravel (Pleistocene)
- Qg — Older Gravel (Quaternary)
- Qgh — Older Gravel (higher elevation) (Pleistocene)
- Qa+Kdr — Alluvium + Del Rio Formation (Quaternary and Cretaceous)
- QTu — Uvalde Gravel (Pliocene to Pleistocene)*
- QTu+Kdr — Uvalde Gravel + Del Rio Formation (Quaternary to Cretaceous)*
- QTu+Ks — Uvalde Gravel + Salmon Peak Formation (Quaternary to Cretaceous)*
- Ka — Austin Group (Cretaceous)
- Kbo — Boquillas Formation (Upper Cretaceous)*
- Kbu — Buda Formation (Cretaceous)
- Kdr — Del Rio Formation (Cretaceous)
- Ks — Salmon Peak Limestone (Lower Cretaceous)*

*Several geologic units depicted on this layout differ from those in the GRI GIS data. Older Alluvium unit (QTa) was reassigned as Uvalde Gravel (QTu), the Eagle Ford Group (Kef) was changed to Boquillas Formation (Kbo), and the Georgetown Limestone (Kge) is equivalent to the Salmon Peak Limestone (Ks). These changes reflect geologic interpretations by Page et al. (2009).