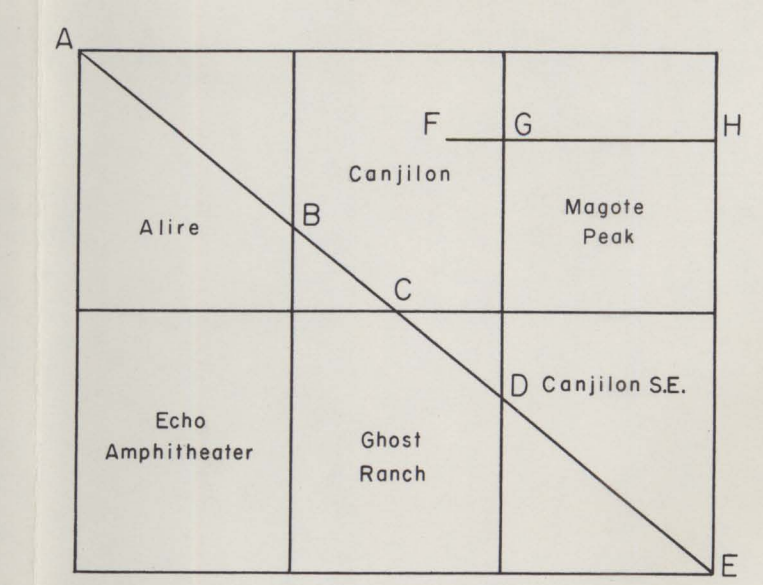


EXPLANATION

- QUATERNARY**
 - Qal** Alluvium
Stream deposits and recent terrace gravels
 - Qd** Landslide debris
In part incised by recent drainage
 - Qg** Terrace gravel
Local terraces and extensive sheets of coarse gravel deposits, not related to present drainage pattern
- TERTIARY**
 - Ths** Sierra Negra Basalt Member of the Hinsdale Formation
Dikes and flows of alvive basalt
 - Ta** Abiquiu Tuff
Tuffaceous sandstone and siltstone
 - Tp** Los Pinos Formation
Tuffaceous sandstone and siltstone with interbedded volcanic boulder conglomerate
 - Te** El Rito Formation
Coarse sandstone and conglomerate with Precambrian rock fragments

- CRETACEOUS**
 - Kmu** Carlile and Niobrara(?) Members of the Mancos Formation
Gray, thin-bedded shale with local concretionary zones
 - Kmg** Greenhorn Member of the Mancos Formation
White-weathering, slabby limestone interbedded with gray calcareous shale
 - Kmi** Graneros Member of the Mancos Formation
Light-gray to dark-gray calcareous shale, somewhat concretionary, with thin sandstone beds and brownish arenaceous zones
 - Kd** Dakota(?) Formation
Massive, coarse-grained crossbedded sandstone with local interbedded shale and coal layers; may contain equivalents of Purgatoire and Burro Canyon Formations in lower part
- JURASSIC**
 - Jmb** Brushy Basin Shale Member of Morrison Formation
Variogated gray, green, and red mudstone with thin sandstone and conglomerate lenses
 - Jml** Lower member of Morrison Formation
Alternating thin-bedded sandstone, siltstone and mudstone, weathering gray to chocolate brown

- JURASSIC**
 - Jl** Todilto Formation
Thin-bedded, fatid, gray limestone with thin shale partings, overlain locally by massive white gypsum
 - Je** Entrada Formation
Massive, crossbedded, fine-grained sandstone
- TRIASSIC**
 - Rcu** Upper shale member of Chinle Formation
Interbedded variegated red, chocolate brown, and purple mudstone, siltstone, and lenticular sandstone
 - Rcl** Lower sandstone member of Chinle Formation
Coarse-grained, conglomeratic, lenticular sandstone interbedded with siltstone and mudstone; probably contains correlatives of the Agua Zarca, Salitral, and Poles Members of the Chinle Formation
- PERMIAN**
 - Pc** Cutler Formation
Alternating red-purple crossbedded arkosic sandstone and purple-orange mudstone
- PENNSYLVANIAN**
 - P** Pennsylvanian undifferentiated
Thin-bedded, carbonaceous siltstone of probable Desmoinesian Age



Index map showing location of quadrangles, and lines of cross sections

CROSS SECTIONS OF THE SOUTHEASTERN PART OF THE CHAMA BASIN

