

TABLE 1. CHART OF TIME AND ROCK UNITS IN TEXAS

| TABLE 1. CHART OF TIME AND ROCK UNITS IN TEXAS | | | | | | | | | | | |
|--|--|--|---|--|--|---|--|--|---|---|------------|
| ERA | SYSTEM AND/OR SERIES | | GEOLOGIC UNITS AND AGE OF ROCKS THAT MAY BE SEEN IN THE STATE PARKS | | | | | | | | |
| | | | TRANS-PECOS TEXAS AND PANHANDLE HIGH PLAINS | | | NORTH-CENTRAL AND CENTRAL TEXAS AND THE GULF COASTAL PLAIN | | NORTHEAST AND EAST TEXAS | | | |
| CENOZOIC | QUATERNARY | RECENT | Alluvium | | BALMORHEA (also see Aguja, Taylor, and Austin Formations) | Alluvium | BENTSEN-RIO GRANDE BRAZOS ISLAND PORT ISABEL LIGHTHOUSE VARNER-HOGG PLANTATION VELASCO GOOSE ISLAND | | Alluvium | | |
| | | | Windblown sand | | | Terrace gravel deposits | | Terrace gravel deposits | | | |
| | PLEISTOCENE | Fluvial terrace deposits Playa deposits Tahoka Formation Windblown cover sand Tule Formation Blanco Formation | Monahans Formation Judkins Formation | MONAHANS | Beaumont Formation | | INDIANOLA SAN JACINTO | | Fluviatile terrace deposits | | |
| | | | | | Lissie Fm. Montgomery Fm. Bentley Fm. | FANNIN, LAKE CORPUS CHRISTI, STEPHEN F. AUSTIN | | | | | |
| | PLIOCENE | Ogallala Formation | BIG SPRING (in part) MACKENZIE (in part) PALO DURO (in part) | | Goliad Formation | GOLIAD GEN. ZARAGOZA BP. | | Goliad Formation | | | |
| | | MIOCENE | Davis Mountain Volcanic Group | Wild Cherry Fm. Mount Locke Fm. Barrel Spring Fm. Sheep Pasture Fm. upper rhyolite lower rhyolite | McGUTHCHIEON VOLCANIC SERIES | DAVIS MTS. | Fleming Formation | | Fleming Formation | HUNTSVILLE MARTIN DIES, JR. | |
| | OLIGOCENE | | South Rim Formation | | | | Oakville Formation | MONUMENT HILL WASHINGTON | | Oakville Formation | |
| | | TERTIARY | EOCENE | | | Catahoula (Gueydan) Formation | TIPS | | Catahoula Formation | | |
| | | | | Frio Formation | | | Frio Formation | | | | |
| | PALEOCENE | | | | Vicksburg Formation | | | Vicksburg Formation | | | |
| Chisos Formation | | | | | Jackson Group | Whitsett Formation Manning Formation Wellborn Formation Caddell Formation | | Jackson Group | | | |
| | | | Canoe Formation | | | Claiborne Group | Yegua Fm. Crockett (Cook Mountain) Fm. Sparta Ss. | | Yegua Formation Crockett Formation Sparta Sandstone | | |
| | | | | Weches Fm. Queen City Fm. Reklaw Fm. Carrizo Ss. Sabinetown Fm. | | | Weches MISSION Fm. TEXAS DAINGERFIELD JIM HOGG GOV. HOGG ATLANTA | | | | |
| PALEOCENE | Hannold Hill Formation | | | Wilcox Group | Rockdale Formation Seguin Formation | | Sabinetown Formation Rockdale Formation | CADDO LAKE | | | |
| | Black Peaks Formation | | | Midway Group | Wills Point Formation Kincaid Fm. FORT PARKER OLD FORT PARKER LOCKHART | | Wills Point Formation | | | | |
| MESOZOIC | GULFIAN (UPPER CRETACEOUS) | Javelina Formation | | | | Navarro Group | Kemp Formation Corsicana Formation | SAN JOSE MISSION | Kemp Clay Corsicana Marl Nacatoch Sandstone Neylandville Marl | | |
| | | Aguja Formation | | | | Taylor Group | Bergstrom Fm. Pecan Gap Chalk Sprinkle Fm. | ALAMO | Pecan Gap Chalk Wolfe City Sandstone Lower Taylor Formation | | |
| | | Pen Formation | | Chispa Summit Formation | BALMORHEA (beneath the alluvium in valley; see Alluvium) | Austin Group | Big House Formation Burditt Chalk Dessau Chalk Jonah Limestone Vinson Chalk Atco Chalk | | Gober Chalk Brownstown Marl Blossom Sandstone Bonham Clay Ector Chalk Eagle Ford Formation | BONHAM | |
| | | Boquillas Fm. | San Vicente Member Ernst Member | | | | Eagle Ford Group | South Bosque Formation Lake Waco Formation | | | |
| | | | | | | Pepper - Woodbine Formations | | Woodbine Group | | | |
| | | | | | | Buda Limestone Del Rio Clay | | Buda Limestone Grayson Marl | | | |
| | COMANCHEAN (LOWER CRETACEOUS) | Santa Elena Limestone | Loma Plata Fm. | Eagle Mountain Sandstone Espy Limestone | Wichita Group | Georgetown Formation | | Pawpaw Formation Weno Formation Denton Formation Fort Worth Formation | | | |
| | | Sue Peaks Formation | Benevides Fm. | | | Kiamichi Formation | | Duck Creek Formation Kiamichi Formation | | | |
| | | Del Carmen Limestone | Finlay Ls. | ABILENE (see also Clear Fork) | | Fredericksburg Group | Edwards Ls. Comanche Peak Fm. Walnut Clay | | CLEBURNE MOTHER NEFF MERIDIAN LAKE WHITNEY | Goodland Limestone Walnut Clay | EISENHOWER |
| | | Telephone Canyon Fm. | | | | | Glen Rose Limestone Hensell Ss. Cow Creek Formation Hammett Formation Sycamore Formation | | BLANCO, GARNER, KERRVILLE LYNDON B. JOHNSON (See Wilberns) SAN SABA MISSION | Antlers Formation (The Antlers Formation is also recognized in parts of the High Plains. See Abilene and Big Spring.) | |
| Maxon Ss. Glen Rose Limestone | | Cox Ss. | Bluff-Yearwood Fm. | Shafter Fm. | | BIG SPRING (also see Dockum) | | | Paluxy Fm. | ACTON | |
| Yucca Fm. | | Presidio Fm. | | | | | | | | | |
| PALEOZOIC | JURASSIC | Malone Formation | | | | | | | | | |
| | | TRIASSIC | Bissett Congl. | Dockum Group | Trujillo Fm. Tecovas Fm. | BIG SPRING (see Antlers) | | | | | |
| | PERMIAN | | Ochoa Group | Quartermaster Formation Cloud Chief Gypsum | PALO DURO (see Ogallala) | | | | | | |
| | | Guadalupe Group | Tessey Formation Capitan Limestone Word Formation Cathedral Mtn. Formation | | ABILENE | Whitehorse Formation Pease River Formation Clear Fork Formation | | | | | |
| | | Leonard Group | Skinner Ranch Formation Lennox Hills Formation | | | Wichita Group | Lueders Formation Clyde Formation Belle Plains Formation Admiral Formation Putnam Fm. Moran Formation Pueblo Formation | | FORT GRIFFIN | | |
| | | PENNSYLVANIAN | Captank Formation | | | | Cisco Group | Harpersville Formation Thrifty Formation Graham Formation | | | |
| | Haymond Formation | | | | Canyon Group | Caddo Creek Formation Brad Fm. Winchell Fm. | | POSSUM KINGDOM LAKE BROWNWOOD | | | |
| | Dimple Limestone | | | | | Graford Formation Whitt Formation Lone Camp Formation Millsap Lake Formation | | | | | |
| | Tesnus Formation | | | | Strawn Group | | | | | | |
| | MISSISSIPPIAN | | | | | Smithwick Shale Marble Falls Limestone | | | | | |
| DEVONIAN | | Caballos Novaculite | | | | Barnett Formation Chappel Limestone Houy Formation Bear Spring Formation Stribling Formation Pillar Bluff Limestone | | | | | |
| | SILURIAN | Fusselman Dolomite | | | | Starcke Limestone Burnam Limestone | | | | | |
| ORDOVICIAN | | Maravillas Chert | | | | Ellen-burger Group | Honeycut Formation Gorman Fm. Tanyard Formation | | LONGHORN CAVERN | | |
| | Woods Hollow Chert Fort Peña Formation Alsate Shale Marathon Limestone Dagger Flat Sandstone | | | | Wilberns Formation Riley Formation | | LYNDON B. JOHNSON | | | | |
| PRECAMBRIAN | CAMBRIAN | | | | | Quartz porphyry dike (Ilanite) Sixmile Granite Oatman Creek Granite Town Mountain Granite Red Mountain Gneiss Big Branch Gneiss Packsaddle Schist Valley Spring Gneiss | | INKS LAKE | | | |
| | | Van Horn Sandstone Lanoria Quartzite Hazel Formation Mundy Breccia Caster Limestone Allamoore Formation Carrizo Mountain Group | | | | | | | | | |

EXPLANATION

BP.

Fm.

Ss.

Ls.

Congl.

Birthplace

Formation

Sandstone

Limestone

Conglomerate

The areas are not designated as to recreation and scenic parks, historic parks, and historic sites; the designations are in the text.