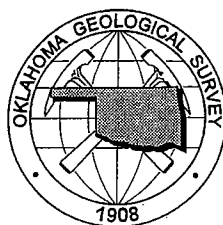


Stratigraphic Units in Oklahoma, Texas, Arkansas, and Adjacent Areas

by
Robert O. Fay



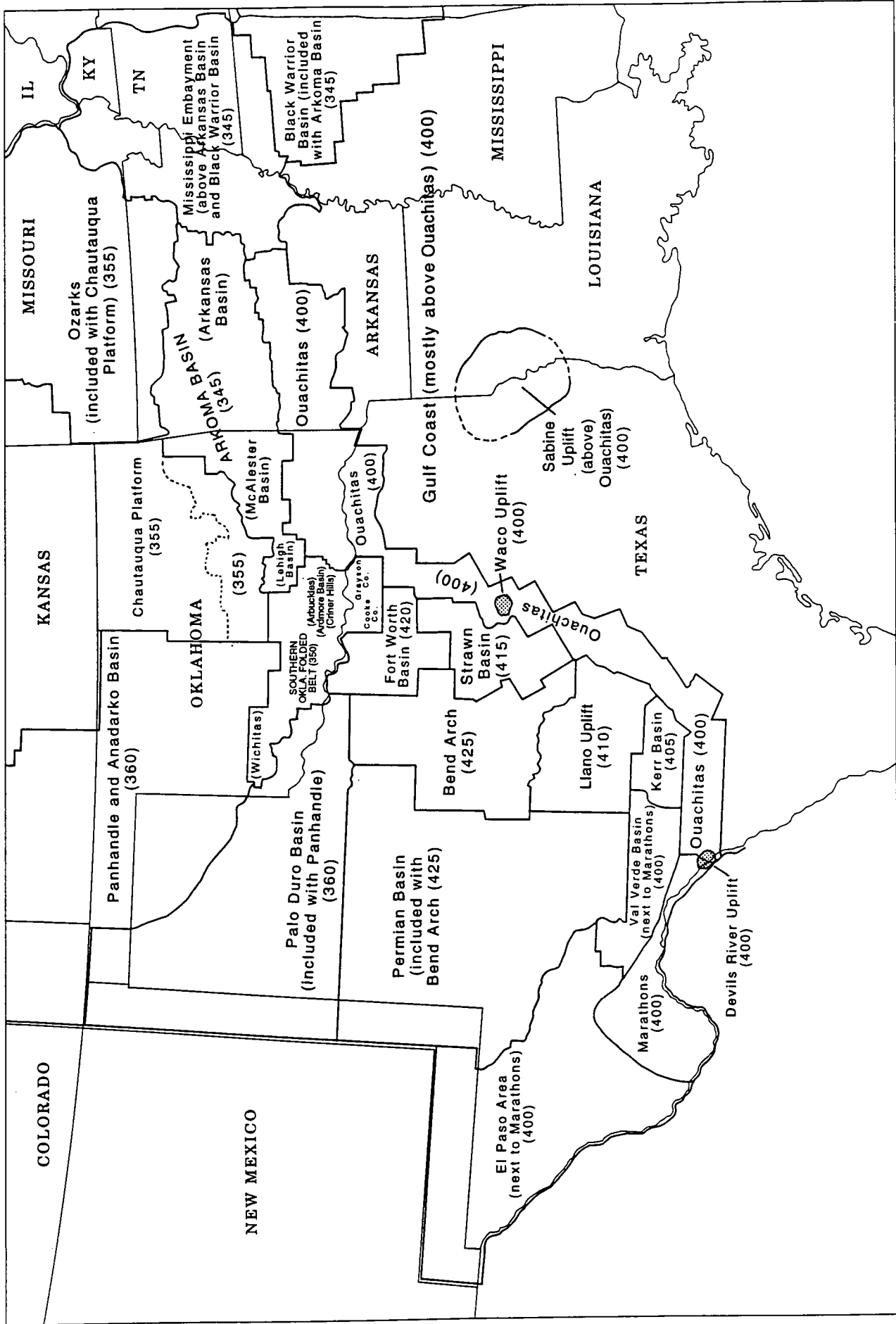
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OKLAHOMA GEOLOGICAL SURVEY
Open-file Report Disclaimer

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Map of southern Midcontinent showing areas covered by stratigraphic columns on four accompanying charts. Outlines of areas on map and numbers (e.g., 355) are based on AAPG Committee on Statistics of Drilling (CSD) codes for geologic provinces of the United States. The AAPG-CSD map was adopted as the base for the COSUNA charts.

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The following list of stratigraphic names was compiled for names of rocks in Oklahoma, Arkansas, and Texas, and adjacent areas, for the COSUNA chart, completed on September 14, 1982. It has been updated through 1985, with some additions to 1995. COSUNA means "Correlation of Stratigraphic Units of North America." The region assigned to me was designated the Texas-Oklahoma-Arkansas Tectonic Belt, covering the Kerr Basin, Llano Uplift, Bend Arch, Strawn Basin, Fort Worth Syncline, Southern Oklahoma Fold Belt, Chautauqua Platform, Arkoma Basin, and Ouachita Tectonic Belt (see map, inside front cover). This area includes parts of the Permian Basin, Texas Panhandle, Anadarko Basin, Missouri Ozarks, and Gulf Coast, all of which had to be tied together. The units are shown on 4 unpublished correlation charts, each approximately 3 X 6.5 feet.

The list undoubtedly is incomplete, and is not to be considered as a complete list of valid names or correlations. Many names are informal, or are subsurface names; generally the last parts of these names are spelled in lower-case letters (e.g., sand or limestone).

Many stratigraphic names used in other states are spelled the same as in this region, but are designated for different units, in violation of the law of priority. These duplicate names are also listed here, in order to show the magnitude of the nomenclatural problems. For instance, the name Grayson is used for a Pennsylvanian sandstone in Kentucky, for a Precambrian granodiorite in Virginia, and for a Lower Cretaceous unit in Oklahoma and Texas.

At the end of each name is a designated reference, mainly to the 14 USGS Lexicons, and to Louise Jordan's (1957) subsurface book. A designation J-57 means Louise Jordan (1957); W-38 means Grace Wilmarth (1938). I have cut out copies of each of the references and placed them on a separate page in a file in my office, with a page reference to the original article for each name. These pages fill about 34 file holders, of 500 pages each, or about 17,000 pages, in 90 volumes. Those interested in this file should contact the Oklahoma Geological Survey (405/325-3031; Fax 405/325-7069).

The COSUNA chart was constructed from information from the USGS lexicons, Geologic Atlas of Texas series, Hydrologic Atlas of Oklahoma series, the Arkansas Geologic Map, correlation charts by the various geological societies, and from individual books such as Louise Jordan's subsurface names of Oklahoma.

The majority of the names were taken from the following references:

- (1) W-1925 or W-25. Wilmarth, M. Grace, 1925, The geologic time classification of the United States Geological Survey compared with other classifications, accompanied by the original definitions of Era, Period, and Epoch terms, A compilation: U.S. Geological Survey Bulletin 769, 138 p., 1 chart (in pocket), 1925. (Call number QE75/.B83/No.896).
- (2) W-1938 or W-38. Wilmarth, M. Grace, 1938, Lexicon of geologic names of the United States (including Alaska): U.S. Geological Survey Bulletin 896, in 2 parts, 2396 p., 1938.
- (3) Wn-1957 or Wn-57. Wilson, Druid; Sando, W.J.; Kopf, R.W., and others, 1957, Geologic names of North America introduced in 1936-1955: U.S. Geological Survey Bulletin 1056-A, 405 p., 1957.
- (4) J-1957 or J-57. Jordan, Louise, 1957, Subsurface stratigraphic names of Oklahoma: Oklahoma Geological Survey, Guidebook 6, 220 p., illustrations, 1957.
- (5) K-1966 or K-66. Keroher, Grace C, and others, 1966, Lexicon of geologic names of the United States for 1936-1960: U.S. Geological Survey Bulletin 1200, in 3 parts, 4340 p., 1966.
- (6) K-1970 or K-70. Keroher, Grace C., 1970, Lexicon of geologic names of the United States for 1961-1967: U.S. Geological Survey Bulletin 1350, 848 p., 1970.
- (7) L-1981 or L-81. Luttrell, Gwendolyn W.; Hubert, Marilyn L.; Wright, Wilna B.; Jussen, Virginia M.; and Swanson, Roger W., 1981, Lexicon of geologic names of the United States 1968-1975: U.S. Geological Survey Bulletin 1520, 342 p., 1981.
- (8) C-1976 or C-76. Cohee, George V., and Wright, Wilna B., 1976, Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1975: U.S. Geological Survey Bulletin 1422-A, 84 p., 1976.
- (9) S-1977 or S-77. Sohl, Norman F., and Wright, Wilna B., 1977, Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1976: U.S. Geological Survey Bulletin 1435-A, 151 p., 1977.

- (10) S-1978 or S-78. Sohl, Norman F., and Wright, Wilna B., 1978, Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1977: U.S. Geological Survey Bulletin 1457-A, 136 p., 1978.
- (11) S-1979 or S-79. Sohl, Norman F., and Wright, Wilna B., 1979, Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1978: U.S. Geological Survey Bulletin 1482-A, 91 p., 1979.
- (12) S-1980 or S-80. Sohl, Norman F., and Wright, Wilna B., 1980, Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1979: U.S. Geological Survey Bulletin 1502-A, 138 p., 1980.
- (13) S-1981 or S-81. Swanson, Roger W.; Hubert, Marilyn L.; Luttrell, Gwendolyn W.; and Jussen, Virginia M., 1981, Geologic names of the United States through 1975: U.S. Geological Survey Bulletin 1535, 643 p., 1981. (Computer readouts for all units).
- (14) L-1986 or L-86. Luttrell, Gwendolyn W.; Hubert, Marilyn L.; and Jussen, Virginia M., 1986, Lexicon of new formal geologic names of the United States 1976-1980: U.S. Geological Survey Bulletin 1564, 191 p., 1986.
- (15) L-1991 or L-91. Luttrell, Gwendolyn W.; Hubert, Marilyn L.; and Murdock, Cynthia R., 1991, Lexicon of new formal geologic names of the United States 1981-1985: U.S. Geological Survey Bulletin 1565, 376 p., 1991.

A shale member (McCully Formation) (Morrowan) (Pennsylvanian) (Oklahoma)

A unit (Valley Spring Gneiss Group) (Llano terrane) (Y Series) (Precambrian) (Texas)

A zone (=Wiles Limestone) (Gaptank Formation) (Missourian) (Pennsylvanian) (Texas)

AALENIAN Series (175-180 m.y.) (Middle Jurassic) (Europe)

AARDE Shale (see Severy-Aarde Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma)
(W-38; K-66)

ABERNATHY lime (=Checkerboard Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian)
(Oklahoma) (J-57)

ABERNATHY Member (Joachim Dolomite) (Ordovician) (Missouri) (K-70)

ABILENE Conglomerate (Tertiary) (Kansas) (W-38; K-66)

ABILENE Formation (= Arroyo Formation) (Clear Fork Group) (Permian) (Texas) (W-38; K-66)

ABILENE Limestone (Tertiary) (Kansas) (W-38; K-66)

ABO Sandstone (Gearyan-Lyonian-Leonardian) (Pennsylvanian-Permian) (Texas) (W-38; K-66)

ACADEMY CHURCH Shale (above Lake Ardmore Sandstone) (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (L-81)

ACADIAN Disturbance (Devonian-Mississippian) (USA) (W-38)

ACADIAN Series (Cambrian) (Canada) (W-25; W-38)

ACME Dolomite Member (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)

ADA Group (Beil through Auburn units) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

ADA Limestone (=Fernvale or Welling Formation) (Ordovician) (Oklahoma) (K-66)

ADA Shale Member (Bluefield Formation) (Mississippian) (Tennessee) (W-38; K-66)

ADA-MAYES Formation or Group (Mississippian) (Oklahoma) (J-57)

ADAMS Argillite (Cambrian) (Alaska) (K-70)

ADAMS Formation (Holocene) (Alaska) (L-81)

ADAMS sand (=Wilbarger Creek Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group)(Desmoinesian) (Pennsylvanian) (Texas)

ADAMS BRANCH Limestone Bed (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)

ADDINGTON Formation (=Garber Sandstone) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)

ADDINGTON Sandstone Member (Wise Formation) (Pennsylvanian) (Virginia) (W-38; K-66)

ADKINS sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

ADMIRAL Formation (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Texas) (W-38; K-66)

ADMIRE Group (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Kansas) (W-38; K-66; S-81)

AETNA cycle (Flowerpot Shale and Blaine Formation) (El Reno Group) (Permian) (Kansas) (W-38; K-66)

AFTON Basalt (Petrillo Volcanic Suite) (Pleistocene) (New Mexico) (L-81)

AFTON Limestone Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (K-66)

AFTONIAN Stage (Pleistocene) (North America) (W-38; K-66)

AGAWAM Gypsum Bed (=Relay Creek Dolomite) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (K-66)

AGNOTOZOIC Erathem (Precambrian) (Great Lakes Region) (USA) (W-25; W-38)

AGUA VERDE Shale Member (Fayette Formation) (Eocene) (Texas) (K-66)

AGUJA Formation (Tornillo Group) (Upper Cretaceous) (Texas) (W-38; K-66)

AHLOSO Member (Caney Shale) (=Upper Sycamore Limestone) (Mississippian) (Oklahoma) (K-66; C-76)

AKINS Shale Member (Winslow Formation) (Pennsylvanian) (Oklahoma) (W-38; K-66)

ALABASTER Gypsum member (=Kingfisher Creek Gypsum Member) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-66)

ALACRAN Mountain Formation (Hueco Group) (Pennsylvanian-Permian) (Texas) (K-70)

ALAMO CREEK Basalt Member (Chisos Formation) (Big Bend Park Group) (Eocene) (Texas) (K-70)

ALBANIAN Series (Permian) (Texas) (W-38; K-66)

ALBANY black shale (=New Albany Shale) (Devonian-Mississippian) (Indiana) (W-38)

ALBANY Clay (Pleistocene) (New York) (W-38; K-66)

ALBANY Conglomerate (Precambrian) (Michigan) (W-38)

ALBANY Conglomerate (Ordovician) (Vermont) (W-38; K-66)

ALBANY Granite or Syenite (White Mountain Intrusive Suite) (Devonian-Mississippian) (New Hampshire) (W-38; K-66)

ALBANY Group (=Wichita Group) (Gearyan-Lyonian-Leonardian) (Pennsylvanian-Permian) (Texas) (W-38; K-66)

ALBANY Porphyritic Nordmarkite (Devonian ?) (New Hampshire) (W-38; K-66)

ALBANY Quartz Syenite (Late Carboniferous ?) (New Hampshire) (W-38; K-66)

ALBERCA Sandstone Member (Yegua Formation) (Eocene) (Mexico) (W-38)

ALBERTAN Series (Middle Cambrian) (515-540 m.y.) (Alberta) (Canada) (K-66)

ALBIAN Series (100-108 m.y.) (Upper Comanchean Series) (Lower Cretaceous) (Europe)

ALBION Formation (=Albion Creek Chert Member) (Tenmile Creek Formation) (Stanley Group) (Mississippian) (Oklahoma) (K-66)

ALBION Gravel (Pleistocene) (Iowa) (W-38; K-66)

ALBION Group (Silurian) (New York) (W-38; K-66)

ALBION Member (Barnwell Formation) (Eocene) (Georgia) (K-70)

ALBION Monzonite (Cretaceous) (Colorado) (K-66)

ALBION Moraine (Pleistocene) (New York) (W-38)

ALBION Sandstone (Silurian) (New York) (W-38)

ALBION Schist (Westboro Quartzitic Suite or Quinville Quartzitic Suite) (Precambrian) (Rhode Island) (W-38; K-66)

ALBION Stage (Pleistocene) (Colorado) (K-66)

ALBION CREEK Chert Member (=Lower Tenmile Creek siliceous shale) (Tenmile Creek Formation) (Stanley Group) (Mississippian) (Oklahoma) (L-91)

ALDEN Limestone (Mississippian) (Iowa) (W-38; K-66)

ALDEN Limestone (=Kindblade Formation) (Ordovician) (Oklahoma) (W-38; K-66)

ALDEN Moraine (Pleistocene) (Wisconsin) (W-38)

ALDEN Moraine (Pleistocene) (New York) (W-38)

ALDRIDGE Conglomerate (Precambrian) (British Columbia) (Canada) (W-38)

ALDRIDGE Formation (Belt Supergroup) (Precambrian) (Idaho) (S-81)

ALDRIDGE Formation (Precambrian) (British Columbia) (Canada) (W-38)

ALDRIDGE sand (Lake Ardmore Formation) (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)

ALEMAN Limestone (Montoya Group) (Cincinnatian) (Upper Ordovician) (Texas) (K-66)

ALEXANDRIAN Series (Lower Silurian) (Illinois; USA) (W-25; W-38; K-66)

ALGOMAN Granite (Precambrian) (Great Lakes Region) (USA) (W-38; K-66)

ALGOMAN Revolution (Precambrian) (Great Lakes Region) (USA) (W-25; W-38)

ALGONKIAN System (Precambrian) (Great Lakes Region) (USA) (W-25; W-38)
ALIBATES Dolomite Bed (Doxey Shale) (Foss Group) (Ochoan) (Permian) (Texas) (W-38; K-66)
ALIBATES Gypsum Tongue (Doxey Shale) (Foss Group) (Ochoan) (Permian) (Oklahoma; Texas) (W-38; K-66)
ALLAMORE Limestone (Trans-Pecos terrane) (Y Series) (Precambrian) (Texas) (K-66)
ALLEN Intrusive Complex (Tertiary) (Texas) (K-66)
ALLEN Limestone (=Plattsburg Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
ALLEN Quartzite (Ellsworth Metamorphic Suite) (Silurian ?) (Maine) (K-70)
ALLEN sand (=Goldenrod Sandstone) (above Senora lime) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
ALLEN sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
ALLEN RANCH Breccia Bed (Segovia Member) (Devils River Limestone) (Lower Cretaceous) (Texas) (L-81)
ALLEN RANCH Member (Haymond Formation) (Desmoinesian) (Pennsylvanian) (Texas) (K-70)
ALLUVIUM (Holocene) (Arkansas; Oklahoma; Texas)
ALMA Limestone (=Cottonwood Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Kansas) (W-38; K-66)
ALMA sand (Atoka Formation)(Krebs Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
ALMA Substage (Pleistocene) (Colorado) (K-66)
ALSATE Shale (Canadian) (Lower Ordovician) (Texas) (W-38; K-66)
ALTA Andesite (Tertiary) (Nevada) (K-66)
ALTA Formation (Chinati Group) (Permian) (Texas) (W-38; K-66)
ALTA Granodiorite (Cretaceous-Tertiary) (Utah) (W-38; K-66)
ALTA Shale (Cambrian) (Utah) (W-38; K-66)
ALTA LOMA Sand (Pleistocene) (Texas)
ALTAMONT Limestone Member (Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
ALTAMONT Moraine (Pleistocene) (South Dakota) (W-38)
ALTERNATING beds (Glen Rose Limestone) (Lower Cretaceous) (Texas) (W-38)
ALTONA Dolomite Bed (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
ALTOONA Limestone (=Drum Limestone) (Missourian) (Pennsylvanian)(Kansas) (W-38; K-66)
ALTUDA Granite (post-Carboniferous) (Texas) (W-38; K-66)
ALTUDA Shale (Permian) (Texas) (W-38; K-66)
AMARILLO big lime (Permian) (Texas) (W-38)
AMARILLO Sandstone (Jurassic?) (New Mexico) (W-38; K-66)
AMAZONIA Limestone Member (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

- AMERICUS Beds (=Admire Formation and Americus Limestone) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- AMERICUS Limestone Member (Foraker Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Oklahoma) (W-38; K-66)
- AMES crater shale (Upper Whiterockian-Lower Blackriveran) (Ordovician) (Oklahoma)
- AMES cyclothem (Conemaugh Group) (Pennsylvanian) (Ohio) (K-66)
- AMES Limestone Member (Conemaugh Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
- AMES Monzodiorite (Devonian-Mississippian) (New Hampshire) (W-38; K-66)
- AMES Red Bed (Conemaugh Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- AMES Shale (Conemaugh Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- AMORET Limestone Bed (Altamont Limestone Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- AMPHIBOLITE (Panhandle terrane) (Y Series) (Precambrian) (Texas)
- AMPHITHEATER Dolomite Bed (=Watonga Dolomite Bed) (Dog Creek Shale) (El Reno Group) (Guadalupe) (Permian) (Oklahoma) (W-38; K-70)
- ANACACHO Limestone (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- ANADARCHE Limestone (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ANAHUAC Formation (Oligocene-Miocene) (Texas) (K-66)
- ANDERSON Clay (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38; K-66)
- ANDERSON coal bed (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38; K-66)
- ANDERSON cyclothem (Conemaugh Group) (Pennsylvanian) (Ohio) (K-66)
- ANDERSON Formation (Tertiary) (California) (L-81)
- ANDERSON Metagabbro (Paleozoic) (South Carolina) (L-81)
- ANDERSON Phyllite (Precambrian) (Wyoming) (W-38; K-66)
- ANDERSON sand (=Redoak Hollow Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- ANDERSON Sandstone (Pennsylvanian) (Tennessee) (W-38; K-66)
- ANDESITE porphyry (Trans-Pecos terrane) (Middle Cambrian) (Texas)
- ANGELINA Series (Eocene) (Texas) (W-38; K-66)
- ANGELINA COUNTY Beds (=Lufkin Beds) (Eocene) (Texas) (W-38; K-66)
- ANGELL Member (Ballard Formation) (Pleistocene) (Kansas) (K-66)
- ANISIAN Series (240-245 m.y.) (Middle Triassic) (Europe)
- ANNA Shale Member (Carbondale Formation) (Pennsylvanian) (Illinois)
- ANNA Shale Member (Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- ANNAPOLIS Formation (Triassic) (New Brunswick) (Canada) (W-38)
- ANNAPOLIS Rhyolite (Van East Volcanic Suite) (Precambrian) (Missouri) (K-70)
- ANNELLY Gypsum Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (K-66)
- ANNE Tandy sand (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

ANNONA Chalk (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
ANORTHOSITE (Glen Mountains Layered Complex) (Precambrian ? - Middle Cambrian) (Oklahoma)
ANORTHOSITE gabbro (Glen Mountains Layered Complex) (Precambrian ? - Middle Cambrian) (Oklahoma)
ANTELOPE CREEK Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
ANTELOPE FLATS Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (K-66)
ANTHONY cyclothem (Pottsville Group) (Pennsylvanian) (Ohio) (K-66)
ANTHONY Sandstone (=Kingman Siltstone) (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (K-66)
ANTHONY Shale Member (Pottsville Group) (Pennsylvanian) (Ohio) (K-66)
ANTHRACOLITHIC System (=Carboniferous and Permian) (Europe) (W-25; W-38)
ANTIOCH Limestone Member (Dugger Formation) (Pennsylvanian) (Indiana) (L-81)
ANTIOCH Sandstone Member (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
ANTLERS Formation (Trinity Group) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
APACHE Basalt Flow (Cenozoic) (new Mexico) (K-66)
APACHE Formation (Miocene) (California) (K-66)
APACHE Group (Precambrian) (Arizona) (W-38; K-66)
APACHE Limestone (Permian) (Texas) (W-38; K-66)
APACHE Sandstone (Cambrian) (Arizona) (W-38; K-66)
APHEBIAN Series (Proterozoic) (1735-2480 m.y.) (Canada)
APLITE dikes (Wichita Mountains Granite Group) (Cambrian) (Oklahoma)
APLITE dikes (Llano terrane) (Y Series) (Precambrian) (Texas)
APLITE dikes (Panhandle terrane) (X and Y Series) (Precambrian) (Texas)
APLITE Dikes (Red River terrane) (Y Series) (Precambrian) (Texas)
APPEL RANCH Member (Word Formation) (Permian) (Texas) (K-70)
APPLE RANCH Member (=Appel Ranch Member)
APPLETON Formation (Ordovician) (Maine) (K-70)
APPLETON Stage (Pennsylvanian) (Arkansas) (W-38; K-66)
APTIAN Series (108-115 m.y.) (Lower Comanchean Series) (Lower Cretaceous) (Europe)
AQUITANIAN Stage (23-25 m.y.) (Miocene Series) (Europe)
ARBUCKLE Group (Upper Cambrian-Lower Ordovician) (Oklahoma) (W-38; K-66)
ARBUCKLE sand (=Antlers Formation) (Trinity Group) (Lower Cretaceous) (Oklahoma) (J-57)
ARCADIA Clays (=Yegua Formation) (Claiborne Group) (Eocene) (Texas) (W-38) (K-66)
ARCADIA Marl (Pliocene) (Florida) (W-38; K-66)
ARCADIA Member (Trempealeau Formation) (Cambrian) (Wisconsin) (K-66)
ARCADIA PARK Formation (Eagle Ford Group) (Upper Cretaceous) (Texas) (W-38; K-66)
ARCHEAN System (=Archeozoic System) (2500-3800 m.y.) (U, V. and W Series) (Precambrian Era) (USA) (W-25; W-38; S-78; L-86)

ARCHEOZOIC System (=Archean System) (2500-3800 m.y.) (U, V, and W Series) (Precambrian Era) (USA) (W-38; S-78; L-86)

ARCHER CITY Formation (=Moran and Putnam Formations) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)

ARCHER COUNTY sand (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)

ARCHER COUNTY SWASTIKA sand (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)

ARCHIMEDES Limestone (=Pitkin Limestone) (Mississippian) (Oklahoma) (W-38)

ARDEOLA Member (McNairy Formation) (Cretaceous) (Missouri) (K-70)

ARDIAN Series (Lower Pennsylvanian) (Ardmore Basin) (Oklahoma) (K-66)

ARDIS Sand Member (Schuler Formation) (Jurassic) (Louisiana) (K-70)

ARDMORE BENTONITE Bed (Cretaceous) (Montana) (K-66)

ARDMORE cyclothem (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)

ARDMORE Limestone (=Verdigris Limestone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)

ARECI sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)

ARENIGIAN Series (485-490 m.y.) (Lower Ordovician) (Europe)

ARGENTINE Limestone Member (Wyandotte Formation) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

ARIETINA Bed (=Del Rio Clay) (Cretaceous) (Texas) (W-38)

ARKADELPHIA Marl (Navarro Group) (Cretaceous) (Arkansas) (W-38; K-66)

ARKANSAS Series (Pennsylvanian) (Arkansas) (W-38; K-66)

ARKANSAS black marble (=Fayetteville Shale and Pitkin Limestone) (Mississippian) (Arkansas) (W-38)

ARKANSAS Marls (=Santa Fe Formation) (Miocene-Pliocene) (Colorado) (W-38; K-66)

ARKANSAS Novaculite (Lower Silurian-Middle Mississippian) (Arkansas) (W-38; K-66)

ARKANSAS Sandstone (Pennsylvanian-Permian) (Colorado) (W-38; K-66)

ARKOSE (Carrizo Mountain Group) (Trans-Pecos terrane) (Y Series) (Precambrian) (Texas)

ARKOSE (Pontotoc Supergroup) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)

ARKOSE (Post Oak Conglomerate) (Leonardian-Ochoan) (Permian) (Oklahoma)

ARKOSE (Pre-Lamotte Sandstone) (Albertan-Waucoban) (Lower to Middle Cambrian) (Arkansas)

ARLINGTON Formation (Mississippian) (California) (W-38; K-66)

ARLINGTON Formation (=Shutler Formation) (Pleistocene) (Oregon) (W-38; K-66)

ARLINGTON Gravel Member (Vashon Drift) (Pleistocene) (Washington) (K-66)

ARLINGTON Member (Woodbine Formation) (Upper Cretaceous) (Texas) (K-70)

ARLINGTON Moraine (Pleistocene) (Illinois) (W-38)

ARLINGTON Traps (Triassic) (New Jersey) (W-38)

ARMSTRONG lime (=Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

ARMSTRONG sand (below Armstrong lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

ARMSTRONG Sandstone Member (Cuyahoga Formation) (Mississippian) (Ohio) (W-38; K-66)

ARNOLD Amygdaloid Bed (Arnold Flow) (Precambrian) (Michigan) (W-38; K-66)

ARNOLD Flow (Precambrian) (Michigan) (W-38; K-66)

ARNOLD Limestone (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)

ARNOLD Lode (Arnold Amygdaloid Bed) (Precambrian) (Michigan) (W-38)

ARP Sand Member (=Queen City Sand or Reklaw Formation) (Eocene) (Texas) (K-66)

ARREY Formation (Green Canyon Group) (Pennsylvanian) (New Mexico) (K-66)

ARROYO Formation (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

ARTESIA Group (Guadalupian) (Permian) (Texas) (K-70)

ARTINSKIAN Series (270-275 m.y.) (=Leonardian Series) (Permian) (Russia)

ASH HOLLOW Member (Ogallala Formation) (Pliocene) (Nebraska) (K-66)

ASH SPRING Basalt Member (Chisos Formation) (Big Bend Park Group) (Eocene-Oligocene) (Texas) (K-70)

ASHBY Stage (Mohawkian) (Ordovician) (Tennessee) (K-66)

ASHER Formation (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

ASHGILLIAN Series (Upper Ordovician) (Europe)

ASHSHALINTUBBI sand (Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

ASPERMONT Dolomite Member (Dog Creek Shale) (Guadalupian) (Permian) (Texas) (W-38; K-66)

ASPHALTUM Sandstone Member (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)

ASPINWALL Limestone Member (Chicago Mound Formation) (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (K-66)

ASSELIAN Series (285-290 m.y.) (=Middle Gearyan-Lower Lyonian) (Pennsylvanian-Lower Permian ?) (Russia)

ASYLUM Terrace (Pleistocene) (Texas) (K-66)

ATASCOSA Formation (Cenozoic) (Arizona) (K-66)

ATASCOSA Group (Lower to Upper Cretaceous) (Texas) (K-70)

ATCO Chalk (Austin Group) (Upper Cretaceous) (Texas) (K-70)

ATLANTIC Amygdaloid Bed (Ashbed Group) (Precambrian) (Michigan) (W-38; K-66)

ATLANTIC Flow (Ashbed Group) (Precambrian) (Michigan) (W-38; K-66)

ATLANTIC Group (Tertiary) (Eastern USA) (W-38; K-66)

ATLANTIC Lode (Ashbed Group) (Precambrian) (Michigan) (W-38)

ATLANTIC Muck (Pleistocene-Recent) (Panama) (K-66)

ATLANTIC oil sand (=Atlantic sand) (=Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38)

ATLANTIC sand (=Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

ATLANTIC System (Precambrian) (New Hampshire) (W-38)

ATOKA Formation (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)

ATOKAN Series (Morrowan-Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)

ATWATER Member (Crooked Creek Formation) (Pleistocene) (Kansas) (K-66)

AUBURN Chert (Ordovician) (Missouri) (W-38; K-66)

AUBURN Gneiss (Opelika Complex) (Lower Paleozoic) (Alabama) (L-81)

AUBURN Moraine (Pleistocene) (New York) (W-38)

AUBURN Shale (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

AUGER Conglomerate Lentil (=Augur on Electra Sheet) (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)

AUGUSTA Group (Mississippian) (Iowa) (W-38; K-66)

AUGUSTA Member (Joachim Dolomite) (Ordovician) (Missouri) (K-70)

AUSTIN Chalk Member (Brownstown Formation) (Upper Cretaceous) (Texas)

AUSTIN Group (Upper Cretaceous) (Texas) (W-38; K-66)

AUSTIN marble (Fredericksburg Group) (Lower Cretaceous) (Texas) (W-38; K-66)

AUSTIN rock (Devonian) (Minnesota) (W-38)

AUSTIN Stage (Upper Cretaceous) (Texas) (K-70)

AUTRY coal bed (above Autry Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)

AUTRY Limestone (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)

AVANT Limestone Member (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)

AVIS Limestone Member (Hinton Formation) (Mississippian) (West Virginia) (W-38; K-66)

AVIS sand pay (below Gunsight Limestone) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)

AVIS Sandstone Member (Hinton Formation) (Mississippian) (West Virginia) (W-38; K-66)

AVIS Sandstone Member (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)

AVIS Shale Member (Hinton Formation) (Mississippian) (West Virginia) (W-38; K-66)

AVOCA Limestone Bed (Lecompton Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

AYCOCK Member (Dorcheat Formation) (Cotton Valley Group) (Lower Cretaceous) (Louisiana)

AYLOR Beds (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)

AYLOR Member (=Aylor Beds) (K-66)

AYLOR BLUFF Member (=Aylor Beds) (K-66)

AZOIC Era or Erathem (Precambrian) (Finland) (Great Lakes Region) (USA) (W-25; W-38)

AZOTEA Tongue (Seven Rivers Formation) (Guadalupian) (Permian) (New Mexico) (K-66)

B

- B sand (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (L-91)
- B sand (Cadeville Tongue) (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (Texas) (K-70)
- B sand (Red Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- B unit (Valley Spring Gneiss Group) (Llano terrane) (Y Series) (Precambrian) (Texas)
- B zone (=Adams Branch Limestone) (Gaptank Formation) (Missourian) (Pennsylvanian) (Texas)
- B zone (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
- BACHELOR Formation (above glauconite zone) (Kinderhookian) (Mississippian) (Missouri) (K-66)
- BACHELOR CREEK Limestone Member (Howard Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- BACKWATER CREEK Shale (see Blackwater Creek Shale) (K-66)
- BACON Limestone Member (Ferry Lake Anhydrite) (Lower Cretaceous) (Texas) (K-66)
- BAD HOLE sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- BADER Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (K-66)
- BAIRD MOUNTAIN Limestone Member (Northview Shale) (Kinderhookian) (Mississippian) (Missouri) (Oklahoma) (L-81)
- BAJOCIAN Series (170-175 m.y.) (Middle Jurassic) (Europe)
- BAKER Gabbro (Cretaceous) (British Columbia) (Canada) (W-38)
- BAKER Limestone (=Brassfield Formation) (Lower Silurian) (Tennessee) (W-38; K-66)
- BAKER Member (=Baker Canyon Conglomerate) (Ladd Formation) (Cretaceous) (California) (K-66)
- BAKER Member (Richfield Formation) (Precambrian) (British Columbia) (Canada) (W-38)
- BAKER sand (=Baker-Burkhart sands) (=Healdton sand) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- BAKER sand (below Sadler lime) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- BAKER sand (Pottsville Group) (Pennsylvanian) (Kentucky) (W-38)
- BAKER-BURKHART sands (=Healdton sand) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- BALDWIN coal bed (Woolsey Member) (Lower Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas)
- BALDWIN Conglomerate (Precambrian) (Wisconsin) (K-70)
- BALDWIN Formation (Mississippian) (Illinois) (K-66)
- BALDWIN Gneiss (Precambrian) (California) (K-66)
- BALDWIN pay (=Lake Pinto Sandstone Bed) (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- BALDWIN Sandstone Member (Mesaverde Formation) (Cretaceous) (Colorado) (K-66)
- BALDY HILL Formation (Dockum Group) (Upper Triassic) (New Mexico) (K-66)
- BALLARD Formation (Meade Group) (Pleistocene) (Kansas) (K-66)
- BALLARD Formation (Cretaceous) (Jamaica) (W-38)

BALLUCO Gravel (Quaternary) (Texas) (K-70)
BALSORA Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
BANCO BONITO Rhyolite Flow (Valles Rhyolite) (source for some Pearlette Ash) (Pleistocene) (New Mexico) (K-70)
BANDERA Shale Member (Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
BANDERA QUARRY Sandstone Bed (Bandera Shale Member) (Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-57; K-66)
BANGS gas pay (Smithwick Shale) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
BANGS lime (Rayville Member) (Kickapoo Creek Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
BANKS Shale (Louark Group) (Upper Jurassic) (Louisiana)
BARBER Member (Quarry Mountain Formation) (Middle Silurian) (Oklahoma) (K-70)
BARBERIAN Series (Lower Cretaceous) (Kansas) (K-66)
BARCLAY Limestone (=Soldier Creek Shale through Elmont Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
BARNES Conglomerate Member (Dripping Springs Quartzite) (Apache Group) (Precambrian) (Arizona) (W-38; K-66)
BARNES sand (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
BARNES sand (Maroon Strawn) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
BARNESTON limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
BARNETT sand (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
BARNETT Shale (Mississippian) (Texas) (W-38; K-66)
BARNETT HILL Formation (of Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66; C-76)
BARNSDALL Formation (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)
BARREL SPRINGS Formation (Oligocene) (Texas) (L-81)
BARREMIAN Series (115-125 m.y.) (=Lower Comanchean Series) (Lower Cretaceous) (Europe)
BARTLESVILLE sand (=Bluejacket Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
BARTON Beds (Silurian) (Ontario) (W-38)
BARTON Clay (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38; K-66)
BARTON coal bed (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38; K-66)
BARTON cyclothem (Conemaugh Group) (Pennsylvanian) (Ohio) (K-66)
BARTON Gneiss (Precambrian) (New York) (W-38; K-66)
BARTON Limestone (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
BARTON red shale (Conemaugh Group) (Pennsylvanian) (Maryland) (W-38; K-66)
BARTON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
BARTON sandstone (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)

- BARTON Subgroup (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- BARTON CREEK lime or Limestone (=Santo Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- BARTON CREEK Limestone (=Edwards Limestone) (Lower Cretaceous) (Texas) (W-38; K-66)
- BARTON CREEK sand (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- BARTONIAN Stage (41-45 m.y.) (Eocene Series) (Europe)
- BASAL DEESE sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- BASAL DEESE sand (Boggy Formation) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- BASAL LONE GROVE 12 sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- BASAL PERMIAN sand (=Hart Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- BASAL TUSSY sand (Senora Formation) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- BASAL X zone (=Lake Pinto Sandstone Bed) (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- BASHI formation (Wilcox Group) (Paleocene) (Mississippi) (W-38; K-66; S-81)
- BASHI Marl Member (Bashi Formation) (Paleocene) (Alabama) (W-38; K-66)
- BASIC Claystone (=Basic City Shale) (Eocene) (Mississippi) (W-38; K-66)
- BASIC CITY Shale (Claiborne Group) (Eocene) (Mississippi) (W-38; K-66; S-81)
- BASS CANYON pay (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- BASTROP PARK Terrace (Pleistocene) (Texas) (K-66)
- BAT CAVE Limestone (El Paso Group) (Ordovician) (New Mexico) (K-66)
- BATEMAN Formation (Eocene) (Oregon) (L-81)
- BATEMAN sand (=M.A. Bateman sand and J.N. Bateman sand) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- BATESVILLE Ash Bed (Ordovician) (Arkansas) (W-38; K-66)
- BATESVILLE Sandstone (Chesterian) (Mississippian) (Arkansas) (W-38; K-66)
- BATHONIAN Series (165-170 m.y.) (Middle Jurassic) (Europe)
- BATTIEST Chert Member (=Tenmile Creek Siliceous Shale) (Tenmile Creek Formation) (Stanley Group) (Mississippian) (Oklahoma) (K-66)
- BATTLESHIP ROCK Welded Tuff Flow (Valles Rhyolite) (source for some of the Pearlette Ash) (Pleistocene) (New Mexico) (K-70)
- BAUM Limestone Member (Antlers Formation) (Lower Cretaceous) (Oklahoma) (K-66)
- BAXTER SPRINGS Member (Warsaw Formation) (Meramecian) (Mississippian) (Missouri) (Oklahoma) (L-81)
- BAY Mud (Holocene) (California) (K-66)
- BAY sand (Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

BAYLORAN Series (Permian) (Texas) (W-38; K-66)
BAYOU sands (Below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
BAYOU LENANN Member (Pendleton Formation) (Eocene) (Louisiana) (K-66)
BAYOU MANARD Member (Moorefield Formation) (Meramecian) (Mississippian) (Oklahoma) (K-66)
BEAD MOUNTAIN Member (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
BEAR MOUNTAIN Basalt (Pliocene) (California) (K-66; S-81)
BEAR MOUNTAIN erosion surface (Tertiary) (Utah) (W-38)
BEAR MOUNTAIN Formation (Silurian) (Mackenzie Region) (Canada) (W-38)
BEAR MOUNTAIN Granite (Precambrian) (Colorado) (W-38; K-66)
BEAR MOUNTAIN Granite (Llano terrane) (Y Series) (Precambrian) (Texas) (K-66)
BEAR MOUNTAIN Member (Pocono Formation) (Mississippian) (Pennsylvania) (K-70; S-81)
BEAR SPRING Formation (Lower Devonian) (Texas) (K-66)
BEATTIE Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
BEAUMONT Clay (Pleistocene) (Texas) (W-38; K-66)
BEAVER Division (Wilberns through Gorman Formations) (Upper Cambrian-Lower Ordovician) (Texas) (W-38; K-66)
BEAVER Granite (Tertiary) (Utah) (W-38)
BEAVER Group (Pennsylvanian) (Pennsylvania) (W-38)
BEAVER Gypsum Bed (=Moccasin Creek Bed) (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
BEAVER Limestone (Cambrian) (Tennessee) (W-38; K-66)
BEAVER Member (Mount Dutton Formation) (Oligocene) (Utah) (L-81)
BEAVER sand (Mississippian) (Kentucky) (W-38)
BEAVER Sandstone (Pennsylvanian) (Kentucky) (W-38; K-66)
BEAVERBURK Limestone Bed (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
BEAVERS conglomerate (below Pumpkin Creek Limestone) (Big Branch Formation) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
BEAVERS BEND Illite (Blaylock Sandstone) (Lower Silurian) (Oklahoma) (K-70)
BECKETT Limestone Member (Plattin Limestone) (Ordovician) (Missouri) (K-66)
BECKETT sand (Mississippian) (West Virginia) (W-38)
BEDIAS Sandstone Member (Wellborn Sandstone) (Eocene) (Texas) (K-66)
BEE CAVE Member (Walnut Clay) (Lower Cretaceous) (Texas) (K-70)
BEE MOUNTAIN Basalt Member (Chisos Formation) (Big Bend Park Group) (Eocene) (Texas) (K-70)
BEEKMANTOWN Group (Ordovician) (New York) (W-38; K-66)
BEEMAN Formation (Magdalena Group) (Pennsylvanian) (New Mexico) (K-66)
BEIL Limestone Bed (Lecompton Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

BELKNAP Basalt Tuff Flows (Holocene) (Oregon) (K-66)
BELKNAP Limestone Bed (Harpersville Formation) (Cisco Group) (Gearyan-Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
BELKNAP Syenitic Suite (Triassic-Jurassic) (New Hampshire) (K-66)
BELL CANYON Formation (Guadalupian) (Permian) (Texas) (K-66; L-91)
BELL CITY Quartzite (Cretaceous) (Missouri) (K-70)
BELL MOUNTAIN Rhyolite (St. Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
BELL RANCH Formation (Jurassic) (New Mexico) (K-66)
BELL VALLEY Andesite (Garren Group) (Oligocene) (Texas) (K-66)
BELLE CITY Limestone (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
BELLE PLAINS Formation (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
BELLEVILLE sand (=Belveal sand) (J-57)
BELLS Sandstone (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-70)
BELTON Sand Lens (Chanute Shale) (Missourian) (Pennsylvanian) (Missouri) (K-66)
BELVA Shale (Pennsylvanian) (Arkansas) (W-38; K-66)
BELVEAL sand (Stine Shale Member) (Admire Formation) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
BELVIDERE Shale (=Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
BELVIDERE Till Member (Glasford Formation) (Pleistocene) (Illinois) (L-91)
BEN DAY Labradorite Porphyry (Tertiary) (Texas) (K-66)
BENBROOK Limestone Member (Goodland Limestone) (Lower Cretaceous) (Texas) (K-66)
BEND Group (Morrowan-Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
BEND lime (Marble Falls Formation) (Bend Group) (Morrowan-Desmoinesian) (Pennsylvanian) (Texas)
BEND sand (Upper Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
BENDIAN Series (Morrowan-Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
BENEVIDES Formation (Cretaceous) (Texas) (K-66)
BENNETT Quartzite (Precambrian) (Quebec) (Canada) (W-38)
BENNETT sand (=Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
BENNETT Shale Member (Red Eagle Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
BENNINGTON Limestone (Washita Group) (Upper Cretaceous) (Oklahoma) (W-38; K-66)
BENNINGTON Quartzite (Cambrian) (Vermont) (W-38; K-66)
BENNINGTON Till (Pleistocene) (Vermont) (L-81)
BENTLEY Formation (Pleistocene) (Texas) (K-66)
BENTON Group (Graneros Shale-Greenhorn Limestone-Carlile Shale) (Upper Cretaceous) (Montana) (W-38; K-66; S-77)
BENTON Sand (=Lafayette Formation) (Tertiary) (Missouri) (W-38; K-66)
BENTONIAN Series (Upper Cretaceous) (Montana) (W-38)
BERGER Formation (Wilcox Group) (Paleocene) (Arkansas) (K-66)

- BERGSTROM Formation (=Marlbrook Marl) (Upper Cretaceous) (Texas) (K-70; S-78)
- BERINO Formation (lower Magdalena Group) (=upper Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- BERN Limestone (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)
- BERRIASIAN Series (135-140 m.y.) (=Lower Comanchean Series) (Lower Cretaceous) (Europe)
- BERWYN coal bed (=Confederate coal) (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- BERWYN Conglomerate (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38); K-66)
- BERWYN Member (Skaneateles Shale) (Devonian) (New York) (W-38; K-66)
- BESSIE Member (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Oklahoma) (W-38); K-66)
- BETHANY FALLS Limestone Member (Swope Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- BEVIER coal bed (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- BEVIER cyclothem (Cherokee Group) (Desmoinesian) (Missouri) (K-66)
- BEVIER fire clay (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38)
- BEVIER Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- BEVOS Intrusive Suite (1500 ± 40 m.y.) (St. Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
- BEXAR Series (Cretaceous) (Texas) (W-38; K-66)
- BEXAR Shale Member (Pearsall Formation) (Lower Cretaceous) (Texas; Louisiana) (K-66)
- BIG lime (Mississippian) (Kentucky; Ohio; Pennsylvania) (W-38)
- BIG lime (Mississippian) (Oklahoma) (J-57)
- BIG lime (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- BIG lime (Wichita - Clear Fork Groups) (Leonardian) (Permian) (Texas) (W-38; J-57)
- BIG shale (below Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- BIG BASIN Member (John Day Formation) (Oligocene) (Oregon) (L-81)
- BIG BASIN Shale Member (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- BIG BEND PARK Group (Eocene-Miocene) (Texas) (K-70)
- BIG BLUE Formation (Miocene) (California) (W-38; K-66)
- BIG BLUE Series (=Wolfcampian or Lyonian or Upper Gearyan) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- BIG BRANCH Formation (=Lester through Pumpkin Creek Limestones) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66; S-81)
- BIG BRANCH Gneiss (1167 m.y.) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66; S-81)
- BIG BUFFALO Series (Ordovician) (Arkansas) (W-38; K-66)

BIG DECIPER Sands Member (Saratoga Chalk) (Upper Cretaceous) (Arkansas) (W-38; K-66)
BIG DeGRAY horizon (Cretaceous) (Arkansas) (W-38; K-66)
BIG HATCHET Formation (El Paso Group) (Ordovician) (Texas) (K-70)
BIG HOUSE Chalk (Austin Group) (Upper Cretaceous) (Texas) (K-70)
BIG LAKE lime (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38)
BIG LAKE BIG lime (Permian) (West Texas) (W-38)
BIG RED beds (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38)
BIG RED cave beds (Conemaugh Group) (Pennsylvanian) (West Virginia) (W-38)
BIG RED Shale Member (Vale Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas)
BIG SALINE Member (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
BIG SPRINGS Limestone Member (Lecompton Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
BIG VALLEY Bed (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
BIG VALLEY Formation (Ordovician) (Virginia) (K-70)
BIG YELLOW Sandstone Member (Canoe Formation) (Eocene) (Texas) (K-70)
BIGELOW Formation (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
BIGFORD Formation (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
BIGFORK Chert (Trentonian-Edenian) (Ordovician) (Arkansas; Oklahoma) (W-38; K-66)
BIGHEART Sandstone Member (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
BIGTANK Gravel (Quaternary) (Texas) (K-70)
BILBO sand (Antlers Formation) (Lower Cretaceous) (Oklahoma) (J-57)
BILLINGS Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (K-66)
BILLINGS sand (=Elgin Sandstone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
BILLINGS POOL member (=Billings Member) (Wellington Formation) (K-66)
BINGEN Sand (Upper Cretaceous) (Arkansas) (W-38; K-66)
BINNEY Sand (Pennsylvanian) (Texas) (W-38)
BIOTITE garnet schist (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
BIOTITE granite (1400-1500 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
BIOTITE hornblende schist (1320-1400 m.y.) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
BIOTITE hornblende schist (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
BIOTITE hornblende schist inclusions (in Tishomingo Granite) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
BIOTITE quartz albite gneiss (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)

BIOTITE schist (Y Series) (Middle Proterozoic) (Precambrian) (Waco Uplift, Texas)
BIRCH CREEK Limestone (=South Bend Limestone) (Ochelata Group) (Missourian)
(Pennsylvanian) (Oklahoma) (W-38; K-66)
BIRCH CREEK Schist (Precambrian) (Alaska) (W-38; K-66)
BIRD CREEK Limestone (=Church Limestone Member) (Howard Limestone) (Ada Group)
(Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
BIRDSEYE lime (=McLish Formation) (Simpson Group) (Ordovician) (Oklahoma) (J-57)
BIRDSEYE limestone (=Lowville Limestone) (Ordovician) (New York) (W-38)
BIRDSEYE porphyry (Precambrian) (New Mexico) (W-38)
BIRDSEYE porphyry (Tertiary) (Utah) (W-38)
BISHOP CAP Formation (Magdalena Group) (=lower Strawn Group) (Desmoinesian)
(Pennsylvanian) (Texas) (K-66)
BISON beds (=Denver Formation) (Cretaceous) (Colorado) (W-38)
BISON beds (Lance Formation) (Paleocene) (South Dakota) (K-70)
BISON Formation (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
BISON BANDED Member (=Bison Formation) (Hennessey Group) (Leonardian) (Permian)
(Oklahoma) (W-38; K-66)
BISSETT Conglomerate (Triassic) (Texas) (W-38; K-66)
BISTINEAU Member (Hall Summit Formation) (Midway Group) (Paleocene) (Texas) (K-66)
BIXLER sand (below Breezy Hill Limestone) (Calvin Sandstone) (Cherokee Group)
(Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
BLACH RANCH Limestone Bed (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian)
(Texas) (W-38; K-66)
BLACK and SIMONS sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
BLACK bed (Segovia Formation) (Lower Cretaceous) (Texas)
BLACK flint member (Pottsville Formation) (Pennsylvanian) (Ohio) (W-38) (K-66)
BLACK lava flow (Recent) (California) (K-70)
BLACK ledge (Powell Dolomite) (Ordovician) (Arkansas) (W-38)
BLACK lime (Moorefield Formation and Fayetteville Formation) (Mississippian) (Oklahoma)
(J-57)
BLACK marble (=Arkansas black marble) (Fayetteville Shale and Pitkin Limestone)
(Chesterian) (Mississippian) (Arkansas) (W-38)
BLACK shale (=Noel Shale; Woodford Shale; and equivalents) (Chattanooga Group)
(Devonian-Mississippian) (USA) (W-38)
BLACK shale bed (Gray Strawn beds) (Kickapoo Creek Formation) (Strawn Group)
(Desmoinesian) (Pennsylvanian) (Texas)
BLACK HILL Member (Quinebaug Formation) (Cambrian-Ordovician) (Connecticut) (K-70)
BLACK HILL Rhyolite (Tertiary) (Colorado) (W-38; K-66)
BLACK HILL Shale (Cretaceous) (Kansas) (W-38; K-66)
BLACK KNOB Chert Member (Tenmile Creek Formation) (Chesterian) (Mississippian)
(Oklahoma) (L-91)
BLACK MESA Basalt (Pliocene) (Oklahoma) (W-38; K-66)
BLACK MESA Gravel (Idaho Group) (Pleistocene) (Idaho) (K-70)

- BLACK OSTRACOD lime (above Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- BLACK PEAK Formation (Tornillo Group) (Paleocene) (Texas) (K-70)
- BLACK PRAIRIE Series (Upper Cretaceous) (Arkansas; Texas) (W-38; K-66)
- BLACK RIVER Group (Ordovician) (New York) (W-38; K-66)
- BLACK RIVER Schists (=Black River Falls Suite) (Precambrian) (Wisconsin) (W-38); K-66)
- BLACK ROCK coal group (Wasatch Formation) (Eocene) (Wyoming) (W-38)
- BLACK ROCK Diabase Member (Granby Tuff) (Newark Group) (Triassic) (Massachusetts) (W-38; K-66)
- BLACK ROCK erosion cycle (Pleistocene) (Wyoming) (W-38)
- BLACKGUM Formation (Lower Silurian) (Oklahoma) (K-70)
- BLACKJACK CREEK cyclothem (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- BLACKJACK CREEK Limestone member (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- BLACKJACK KNOB Member (Cotter Dolomite) (Lower Ordovician) (Arkansas) (K-66)
- BLACKJACK SCHOOL Sandstone Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- BLACKRIVERAN Stage (Champlainian Series) (Ordovician) (New York) (W-38; K-66)
- BLACKROCK Limestone (Precambrian) (Idaho) (W-38; K-66)
- BLACKROCK Limestone Member (Smithville Formation) (Lower Ordovician) (Arkansas) (W-38; K-66; S-78)
- BLACKROCK Quartzite (Mississippian-Pennsylvanian) (Nevada) (K-66)
- BLACKWATER CREEK Shale Bed (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- BLACKWATER DRAW Formation (Pleistocene) (Bend Arch, Texas) (L-86)
- BLACKWELL sand (Neva Limestone) (Oscar Group) (Gearyan-Lyonian)(Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- BLADES sand (=Blaydes sand) (J-57)
- BLAINE Formation (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- BLAKELY Sandstone (Whiterockian-Chazyan) (Ordovician) (Arkansas) (W-38; K-66)
- BLANCAN Age (Pliocene) (Texas) (K-66)
- BLANCO Member (Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
- BLANCO Sandstone Member (Puente Formation) (Miocene) (California) (K-66)
- BLANCO CANYON Beds (=Blanco Formation) (Pliocene) (Texas) (W-38; K-66)
- BLAND sand (Pennsylvanian) (Oklahoma) (J-57)
- BLAYDES sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- BLAYLOCK Sandstone (Lower Silurian) (Oklahoma; Arkansas) (W-38; K-66)
- BLISS Basalt (Pleistocene) (Idaho) (W-38; K-66)
- BLISS Sandstone (=Riley Formation) (Albertan-Croixian) (Cambrian) (West Texas) (W-38; K-66)
- BLOCK Limestone Member (Cherryvale Formation) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)

BLOCK Porphyry (Cretaceous or Tertiary) (Colorado) (W-38)
BLOOMSDALE Member (Plattin Limestone) (Ordovician) (Missouri) (K-66)
BLOSSOM oil sand (=Blossom Sand Member) (Brownstown Marl) (Austin Group) (Upper Cretaceous) (Texas) (W-38)
BLOSSOM Sand Member (Brownstown Marl) (Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)
BLOUNTS CREEK Member (Fleming Formation) (Miocene) (Louisiana) (K-66; S-81)
BLOWOUT MOUNTAIN Sandstone (=San Anglo Sandstone) (Guadalupean) (Permian) (Texas) (W-38; K-66)
BLOYD Formation (Upper Morrowan) (Pennsylvanian) (Arkansas) (W-38; K-66; C-76)
BLUE BLUFFS Division (Taylor Group) (Upper Cretaceous) (Texas) (W-38)
BLUE CREEK coal member (Mansfield Formation) (Pennsylvanian) (Indiana) (K-66)
BLUE CREEK Series (=Timbered Hills Group) (Upper Cambrian) (Oklahoma) (W-38; K-66)
BLUE CREEK CANYON Group (=Fort Sill Limestone through Butterly Dolomite) (lower Arbuckle Group) (Upper Cambrian mostly) (Oklahoma) (K-66)
BLUE CUT Shale (Lower Cretaceous) (Kansas) (W-38; K-66)
BLUE RAPIDS Shale (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
BLUE RIVER Gneiss (1350 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
BLUE RIVER Group (Mississippian) (Indiana) (K-66)
BLUE SPRINGS Muscovite Schist (Precambrian) (New Mexico) (K-66)
BLUE SPRINGS Shale Member (Matfield Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
BLUFF Formation (=Bluff Mesa Formation) (Cretaceous) (Texas) (W-38; K-66)
BLUFF Formation (Pleistocene) (Gulf Coast) (W-38)
BLUFF Limestone (Oligocene) (Cayman Islands) (British West Indies) (W-38)
BLUFF sand (10 Pennsylvanian sands) (Pennsylvania) (W-38)
BLUFF Sandstone Member (Morrison Formation) (Jurassic) (Utah) (W-38; K-66)
BLUFF Subdivision (Beaver Division) (Tanyard-Gorman Formation) (Ordovician) (Texas)
BLUFF BONE Bed (Bead Mountain Member) (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
BLUFF CREEK Formation (Tertiary) (New Mexico) (K-70)
BLUFF CREEK sand (Harpersville Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
BLUFF CREEK Shale Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
BLUFF DALE Sand Member (Travis Peak Formation) (Cretaceous) (Texas) (W-38; K-66)
BLUFF MESA Formation (Trinity Group) (Lower Cretaceous) (Texas) (K-66)
BOATWRIGHT sand (=Redoak Hollow Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
BODCAW Sand (Cretaceous) (Louisiana) (W-38)
BODCAW Tongue (Cotton Valley Group) (Lower Cretaceous) (Louisiana; Texas) (K-70)
BODEVILLE Series (Precambrian) (Texas) (W-38; K-66)

BODINE Sandstone (lower Mountain Lake Member) (Bromide Formation) (Simpson Group) (Middle Ordovician) (Oklahoma) (K-66)

BOFECILLOS Group (Tertiary) (Texas) (K-70)

BOGGY Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

BOICE Shale (Buckner Group) (Mississippian) (Kansas) (K-66)

BOIS D'ARC Formation (Hunton Group) (Lower Devonian) (Oklahoma) (W-38; J-57; K-66)

BOKCHITO Formation (Washita Group) (Lower Cretaceous) (Oklahoma) (W-38; K-66)

BOLARIAN Series (Ordovician) (Virginia) (K-66)

BOLES Member (Joachim Dolomite) (Ordovician) (Missouri) (K-70)

BOLEY Conglomerate (=Cheshewalla Sandstone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)

BOLIN Sandstone Member (Roubidoux Sandstone) (Ordovician) (Missouri) (W-38; K-66)

BOLIN CREEK Sandstone Member (=Bolin Sandstone Member) (Roubidoux Sandstone) (Ordovician) (Missouri) (W-38)

BOLINGER sand (McFearin Tongue) (Cotton Valley Group) (Upper Jurassic) (Texas; Louisiana) (K-70)

BOLT pay (Home Creek Limestone Member) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)

BOND Formation (McLeansboro Group) (Missourian) (Pennsylvanian) (Illinois) (K-66)

BOND sand (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)

BONE CANYON Limestone (=Bone Spring Limestone) (Leonard Formation) (Leonardian) (Permian) (Texas) (W-38; K-66)

BONE SPRING Limestone (Leonard Formation) (Leonardian) (Permian) (Texas) (W-38; K-66)

BONE SPRINGS Limestone (=Bone Spring Limestone) (W-38)

BONHAM Marl (Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)

BONNELLIAN Series (Cretaceous) (Texas) (K-66)

BONNER SPRINGS Shale (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

BONNETERRE Dolomite (Dresbachian) (Croixian) (Upper Cambrian) (Missouri) (W-38; K-66)

BONNEY CANYON Member (San Andres Formation) (Guadalupian) (Permian) (New Mexico) (L-81)

BOOCK sand (=Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (also spelled Booch) (W-38; J-57)

BOONE Formation (Osagean) (Mississippian) (Arkansas; Oklahoma) (W-38; K-66; S-77)

BOONE CREEK Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)

BOONESVILLE BEND conglomerate (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)

BOONEVILLE Stage (Pennsylvanian) (Arkansas) (W-38; K-66)

BOOTH sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

BOOTH zone (Pliocene-Pleistocene) (California) (W-38)

BOQUILLAS Formation (Terlingua Group) (Upper Cretaceous) (Texas) (W-38; K-66)
BORACHO Limestone (Sixshooter Group) (Lower to Upper Cretaceous) (Texas) (K-66)
BOSQUE Alluvium (=Bosque River Alluvium) (Pleistocene) (Texas) (K-70)
BOSQUE Division (Trinity Group) (Cretaceous) (Texas) (W-38; K-66)
BOSQUE RIVER Alluvium (Pleistocene) (Texas) (K-70)
BOSSIER Shale (Louark Group; Cotton Valley Group; Trinity Group) (Upper Jurassic-Lower Cretaceous) (Arkansas; Louisiana) (K-66)
BOSTON Conglomerate (Precambrian) (Michigan) (W-38; K-66)
BOSTON Glacial Substage (Pleistocene) (Massachusetts) (K-66)
BOSTON Group (Chesterian-Morrowan) (Mississippian-Pennsylvanian) (Arkansas) (W-38; K-66)
BOSTON Till (Pleistocene) (Ohio) (L-81)
BOSTWICK coal (Bostwick Conglomerate) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
BOSTWICK Conglomerate (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66; C-76)
BOUCHER Formation (Middle Cambrian) (Vermont) (K-66)
BOUCHER Sand or granite wash (Big Branch Formation) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
BOUCHER Tongue (Muav Formation) (Lower to Middle Cambrian) (Arizona) (K-66); S-81
BOULDIN Member (Lake Waco Formation) (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-66)
BOURBON Group (=Pleasanton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
BOURBON Series (Ordovician) (Kentucky) (W-38; K-66)
BOWHAN Sandstone Lentil (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
BOWLES sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
BOWRING Limestone Member (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)
BOYD Formation (Mississippian) (New Brunswick) (W-38)
BOYD sand (below Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
BOYNTON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
BRACKS Rhyolite (Vieja Group) (Tertiary) (Texas) (K-66)
BRAD Formation (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
BRAGGS Member (=Hale Formation) (Sausbee Formation) (Morrowan)(Pennsylvanian) (Oklahoma) (S-78; L-86)
BRAMBLETT Formation (Pleistocene) (Texas) (L-86)
BRANNON Limestone Member (=Brannon Bridge Limestone Bed) (W-38; K-66)
BRANNON Member (Lexington Limestone) (Ordovician) (Kentucky) (W-38; K-66)
BRANNON BRIDGE Limestone Bed (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
BRASSFIELD Limestone (Alexandrian) (Lower Silurian) (Arkansas) (W-38; K-66)
BRAY zone (West Spring Creek Formation) (Arbuckle Group) (Lower Ordovician) (Oklahoma)

BRAZIL Formation (Raccoon Creek Group) (Pennsylvanian) (Indiana) (W-38; K-66; S-81)
BRAZIL Limestone (Pennsylvanian) (Indiana) (W-38; K-66)
BRAZIL sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
BRAZIL BRANCH Breccia (Upper Cretaceous) (Arkansas) (W-38; K-66)
BRAZOS Alluvium (Recent) (Texas) (K-70)
BRAZOS Basalt (Holocene) (New Mexico) (L-81)
BRAZOS Sandstone (=Brazos River Formation) (W-38; K-66)
BRAZOS Series (Permian-Triassic) (Texas) (W-38; K-66)
BRAZOS DELTA Sand (Recent) (Texas)
BRAZOS RIVER Alluvium (=Brazos Alluvium) (K-70)
BRAZOS RIVER Formation (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
BREADTRAY Granite (Bevos Intrusive Suite) (St. Francois Mountains Intrusive Suite) (Y Series) (1500 ± 20 m.y.) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
BRECKENRIDGE Formation (Cisco Group) (Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)
BRECKENRIDGE lignite (=Thomas 2 lignite) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
BRECKENRIDGE lime (=Caddo lime) (Smithwick Shale and Dickerson Formation) (Bend and Strawn Groups) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
BRECKENRIDGE Limestone Bed (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)
BREEZY HILL cyclothem (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
BREEZY HILL Limestone Member (Wetumka Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
BREEZY HILL Member (Satans Kingdom Formation) (Ordovician) (Connecticut) (K-70)
BRELSFORD sand (=Brelsford Lake sand) (W-38)
BRELSFORD LAKE sand (Smithwick Shale) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
BRENEKE lime (=Capps Limestone Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
BRENTWOOD Limestone (=Union Valley Limestone) (Lower Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas) (W-38; K-66)
BREWER Phyllite (Talladega Group) (Paleozoic-Precambrian) (Alabama) (W-38; K-66; S-81)
BREWER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
BREWER BEND Limestone Member (=Brentwood Limestone or Union Valley Limestone) (Sausbee Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (S-78; L-86)
BREWSTER Formation (=Woods Hollow Shale and Dagger Flat Sandstone) (Upper Cambrian-Lower Ordovician) (Texas) (W-38; K-66)
BRICK YARD Limestone Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
BRIDGE CREEK Limestone Member (Greenhorn Limestone) (Upper Cretaceous) (Kansas) (W-38; S-78)

BRIDGE CREEK Shales (Oligocene-Miocene) (Oregon) (W-38; K-66)
BRIDGEPORT coal member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
BRIDGEPORT Limestone Member (=Willow Point Limestone Member) (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
BRIDGEPORT sand (Carbondale Formation) (Pottsville Group) (Pennsylvanian) (Illinois) (W-38)
BRIDGEPORT sand (Mansfield Sandstone Member) (Pottsville Group) (Pennsylvanian) (Indiana) (W-38)
BRIDGEPORT Sandstone Member (Bloomsburg Formation) (Silurian) (Pennsylvania) (W-38; K-66)
BRIDWELL Member (Ogallala Formation) (Pliocene) (Texas) (K-66)
BRIGGS Formation (Permian) (Texas) (K-66)
BRINKMAN Sandstone (Hennessey Group) (Leonardian) (Permian) (Oklahoma)
BRISCOE sand (above Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
BRISTER beds (Brister Limestone Submember) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
BRISTER Limestone Submember (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
BRISTOW Formation (=Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
BRISTOW Sandstone (Mississippian) (Indiana) (W-38; K-66)
BRITE Ignimbrite (Vieja Group) (Tertiary) (Texas) (K-66)
BRITT sand (=Rod Club Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
BRITTON Clay (Eagle Ford Group) (Upper Cretaceous) (Texas) (W-38; K-66)
BROKEN ARROW coal bed (=Croweburg coal bed) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
BROKEN ARROW Formation (Labette Shale and Nowata Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
BROMIDE dense lime (=Pooleville Member) (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (J-57)
BROMIDE dolomite (=Upper Mountain Lake Member) (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (J-57)
BROMIDE Formation (Simpson Group) (Whiterockian-Blackriveran) (Ordovician) (Oklahoma) (W-38; J-57; K-66)
BROMIDE sands or zones (=lower Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
BROMIDE sands 3 or 3rd Bromide sand (=basal Tulip Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
BRONSON Subgroup (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
BRONTE lime (=Santo Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

- BROOK Lentil (=Brook Ranch Submember) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- BROOK RANCH Submember (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- BROKESMITH Submember (Wolf Mountain Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (K-70)
- BROOKOVER lime (=Breckenridge Limestone Bed) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- BROOKS Bed (Mississippian) (Kentucky) (W-38; K-66)
- BROOKS sand (above Pumpkin Creek Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- BROOKS Sandstone Tongue (Rock Springs Formation) (Cretaceous) (Wyoming) (K-70)
- BROOKS MOUNTAIN Formation (Oligocene) (Texas) (L-81)
- BROWN dolomite (Herington Limestone and lower units) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- BROWN lime (Doneley-Sam Creek-Spaniard Beds) (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- BROWN lime (Mississippi lime) (Mississippian) (Oklahoma)
- BROWN oil sand (Mooretown Sandstone) (Mississippian) (Indiana) (W-38)
- BROWN rhyolite (South Rim Formation) (Big Bend Park Group) (Tertiary) (Texas) (K-70)
- BROWN sand (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- BROWN sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- BROWN zone (upper Kindblade or lower West Spring Creek) (Arbuckle Group) (Lower Ordovician) (Oklahoma)
- BROWN zone (Fernando Group) (Pliocene-Pleistocene) (California) (W-38)
- BROWN CREEK Bed (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- BROWN MOUNTAIN Granite (Precambrian) (North Carolina) (K-70)
- BROWN MOUNTAIN Granodiorite (Oligocene) (Wyoming) (K-70)
- BROWN MOUNTAIN Rhyolite Porphyry (Bevos Intrusive Suite) (St. Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
- BROWN MOUNTAIN Sandstone Member (Moreno Grande Formation) (Panoche Group) (Cretaceous) (California) (K-66)
- BROWNSTOWN Marl (Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- BROWNSTOWN Sandstone Member (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38)
- BROWNVILLE Limestone Member (Wood Siding Formation) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- BROWNVILLE Slate (Maine) (W-38; K-66)
- BROWNWOOD Division (=Brownwood Canyon Division) (W-38; K-66)
- BROWNWOOD Shale (above Capps Limestone) (Strawn-Canyon Groups) (Desmoinesian-Missourian) (Pennsylvanian) (Texas) (W-38; K-66)

BROWNWOOD CANYON Division (Strawn-Canyon Groups) (Desmoinesian-Missourian) (Pennsylvanian) (Texas) (W-38; K-66)

BROWNWOOD-RANGER Series (=Brownwood Canyon Division) (W-38)

BROYLES-LAYTON sand (Cottage Grove Sandstone Member) (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

BRUCEVILLE Marl (Austin Group) (Upper Cretaceous) (Texas) (K-70)

BRUHLMEYER sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

BRUNDAGE sand (=Brundidge sand) (J-57)

BRUNDIDGE lime (=lower Confederate lime) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)

BRUNDIDGE sand (below Checkerboard Limestone) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

BRUNER sand (=Tulsa Sandstone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

BRUNNER sand (=Warner Sandstone Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

BRUNO Limestone Bed (Blue Springs Shale Member) (Matfield Shale) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)

BRUSHY CANYON Formation (Delaware Mountain Group) (Leonardian) (Permian) (Texas) (K-66)

BRUSHY CANYON Formation (Mariposa Group) (Jurassic) (California) (K-70)

BRUSHY CREEK Chert (=Pinetop Chert) (Lower Devonian) (Oklahoma) (W-38; K-66)

BRUSHY CREEK Sandstone Member (McLeansboro Formation) (Pennsylvanian) (Illinois) (W-38; K-66)

BRUSHY KNOB Formation (upper Jackfork Group) (Morrowan) (Pennsylvanian) (Arkansas) (K-70)

BRYAN Sandstone Member (Yegua Formation) (Claiborne Group) (Eocene) (Texas) (K-66)

BRYANT Limestone (=Plattin Limestone) (Ordovician) (Missouri) (W-38; K-66)

BRYANT sand (below Nasty Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

BRYSON Formation (Breathitt Group) (Pennsylvanian) (Tennessee) (W-38; K-66)

BRYSON sand (Buck Creek Sandstone Bed) (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)

BRYSON sand pay (=Bryson sand)

BRYSON zone or lime (=Santo Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

BUCK CREEK Felsite tuff Member (Trowbridge Formation) (Jurassic) (Oregon) (K-70)

BUCK CREEK Formation (=Pawhuska Formation to Grayhorse Limestone) (Ada-Vanoss Groups) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)

BUCK CREEK Sandstone Bed (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)

BUCK HILL Group (Tertiary) (Texas) (K-66)

BUCK MOUNTAIN SHUT-INS Formation (St. Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)

BUCK POINT Sandstone Member (=Okesa Sandstone Member) (Barnsdall Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

BUCKEYE Shale Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)

BUCKHORN Asphalt Member (=Buckhorn Limestone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)

BUCKHORN Conglomerate Member (Cedar Mountain Formation)(Cretaceous) (Utah) (K-66)

BUCKHORN Limestone (Mississippian) (Utah) (W-38; K-66)

BUCKHORN Limestone Member (=Buckhorn Asphalt Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)

BUCKHORN Member (Dunleith Formation) (Ordovician) (Illinois) (K-66)

BUCKNER Formation (Upper Jurassic) (Arkansas; Louisiana) (K-66)

BUCKNER Group (Mississippian) (Nebraska) (K-66)

BUCKRANGE Sand Lentil (Ozan Formation) (Upper Cretaceous) (Arkansas) (W-38; K-66)

BUCKSHOT Ignimbrite (Vieja Group) (Tertiary) (Texas) (K-66)

BUDA Limestone (Washita Group) (Upper Cretaceous) (Texas) (W-38; K-66)

BUFFALO cement bed (=Williamsville Waterlime Bed) (Silurian) (New York) (W-38; K-66)

BUFFALO Formation (Pennsylvanian) (Pennsylvania) (W-38; K-66)

BUFFALO Glacial Stage (Pleistocene) (Wyoming) (W-38; K-66)

BUFFALO Granite (Precambrian) (Virginia) (W-38; K-66)

BUFFALO Group (=Big Buffalo Series) (Ordovician) (Arkansas) (W-38)

BUFFALO Moraine (Pleistocene) (New York) (W-38)

BUFFALO Sandstone (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)

BUFFALO Shale (=Maquoketa Shale and Orchard Creek Shale) (Ordovician-Silurian) (Missouri) (W-38; K-66)

BUFFALO Shale (=Buffalo Sandstone) (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)

BUFFALO CREEK Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)

BUFFALO CREEK coal bed (above Buffalo Creek Limestone Member) (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)

BUFFALO CREEK Limestone Member (Kanawha Formation) (Pennsylvanian) (West Virginia)(W-38; K-66)

BUFFALO CREEK Sandstone (=Buffalo Sandstone) (Conemaugh Group) (Pennsylvanian) (Pennsylvania)(W-38; K-66)

BUFFALO CREEK Shale (=Buffalo Shale) (=Maquoketa Shale and Orchard Creek Shale) (Ordovician- Silurian) (Missouri) (W-38)

BUFFALO HILL Sandstone Member (Vale Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

BUFFALO RIVER Group or Series (=Big Buffalo Series) (Ordovician) (Arkansas) (W-38; K-66)

- BUFORD Granite Porphyry (Musco Intrusive Suite) (St. Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
- BUG SCUFFLE Limestone Member (Gobbler Formation) (Pennsylvanian) (New Mexico) (K-66)
- BULL CREEK Beds (Tertiary) (Oregon) (K-70)
- BULL CREEK Limestone (=Birch Creek Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- BULL CREEK Limestone Member (Greenhorn Formation) (Cretaceous) (Montana) (K-66)
- BULL CREEK Member (Walnut Clay) (Lower Cretaceous) (Texas) (K-70)
- BULL CREEK Sand Bed (Hell Creek Member) (Lance Formation) (Cretaceous) (South Dakota) (K-66)
- BULL CREEK Sandstone Bed (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- BULL SHOALS MOUNTAIN Chert Bed (Powell Dolomite) (Ordovician) (Arkansas) (K-66)
- BULLARD Limestone (Pennsylvanian) (Utah) (W-38; K-66)
- BULLARD sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- BUNGER Formation (=Graham Formation mostly) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- BUNGER Limestone Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- BUNGER sand (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- BURBANK Member (Cuyahoga Formation) (Mississippian) (Ohio) (W-38; K-66)
- BURBANK Sand (=Bluejacket Sandstone and Taft Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- BURDIGALIAN Stage (17-23 m.y.) (Miocene Series) (Europe)
- BURDITT Marl (Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- BURGEN lime (=McLish Formation) (Tyner Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57; K-66)
- BURGEN Sandstone (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57; K-66)
- BURGESS Oolite Member (Bangor Limestone) (Mississippian) (Alabama) (W-38; K-66; S-81)
- BURGESS sand (below Savanna Formation; mostly lower McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- BURGESS Shale (Middle Cambrian) (British Columbia) (Canada) (W-38)
- BURGESS-SIMMONS Sand (Justiss Tongue) (Schuler Formation) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- BURGNER Formation (=Atoka Formation) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- BURKBURNET sands (Cisco Group) (Virgilian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Texas) (W-38)
- BURKES sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Oklahoma) (J-57)
- BURKETT sand or pay (below Gunsight Limestone) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)

- BURKEVILLE Beds (Miocene-Pliocene) (Texas) (W-38; K-66)
- BURKHART sand (=Baker-Burkhart sands) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- BURLINGAME Limestone member (Bern Limestone) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- BURLINGAME Shale (=Scranton Shale) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- BURLINGTON Formation (Pre-Silurian) (Massachusetts) (L-86)
- BURLINGTON Limestone (Osagean) (Mississippian) (Iowa; Missouri) (W-38; K-66)
- BURLINGTON Limestone (=Oread Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- BURLINGTON Limestone Member (=Lutheran Mills Coquinite Member) (Chemung Formation) (Devonian) (Pennsylvania) (W-38; K-66)
- BURLINGTON Till (Pleistocene) (Vermont) (K-70)
- BURNAM Limestone Bed (Cincinnatian) (Upper Ordovician) (Texas) (K-66)
- BURNET marble (Cambrian-Ordovician) (Texas) (W-38; K-66)
- BURNETAN System (Precambrian) (Texas) (W-38; K-66)
- BURNS Formation (Silverton Group) (Tertiary) (Colorado) (W-38; K-66)
- BURNS sand (above Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- BURNT Limestone (=Buda Limestone) (Cretaceous) (Texas) (K-66)
- BURNT Member (Modoc Basalt) (Holocene) (California) (K-66)
- BURNT BRANCH Limestone (Lazy Bend Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- BURR Limestone (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian- Lower Permian ?) (Oklahoma) (W-38; K-66)
- BURR sand (Lake Ardmore Formation) (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- BURRO Gravel (Tertiary) (Texas) (W-38; K-66)
- BURRO Quartzite (Cambrian) (New Mexico) (W-38; K-66)
- BURRO MESA Rhyolite Member (South Rim Formation) (Big Bend Park Group) (Tertiary) (Texas) (K-66)
- BURROAK Shale Member (Deer Creek Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- BURSON sand (above Ricker Station Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- BURSUM Formation (Magdalena Group) (Gearyan) (Pennsylvanian) (New Mexico) (K-66)
- BURT RANCH Bed (Segovia Member) (Devils River Limestone) (Lower Cretaceous) (Texas) (L-81)
- BUSHBERG Sandstone (above glauconite zone) (Sulphur Springs Formation) (Kinderhookian) (Mississippian) (Missouri) (W-38; K-66; S-81)
- BUTCHERKNIFE Basalt (Pliocene-Pleistocene) (Texas) (K-66)

BUTLER Amygdaloid Bed (Butler Flow) (Central Mine Igneous Suite) (Precambrian) (Michigan) (W-38; K-66)

BUTLER Clay Member (Rockdale Formation) (Wilcox Group) (Paleocene) (Texas) (W-38; K-66)

BUTLER Flow (Central Mine Igneous Suite) (Precambrian) (Michigan) (W-38; K-66)

BUTLER Limestone (Allegheny Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)

BUTLER lode (Butler Amygdaloid Bed of Butler Flow) (Central Mine Igneous Suite) (Precambrian) (Michigan) (W-38; K-66)

BUTLER sands (Pennsylvanian) (Pennsylvania) (W-38)

BUTLER Sandstone (Allegheny Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)

BUTLER Till (Pleistocene) (Ohio) (K-70)

BUTLER HILL Granite (1500± 20 m.y.) (Bevos Intrusive Suite) (St. Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)

BUTTERLY Dolomite (Arbuckle Group) (Canadian) (Lower Ordovician) (Oklahoma) (K-66)

BUTTERMILK lime (=Welling Formation) (Viola Group) (Edenian) (Cincinnatian) (Upper Ordovician) (Oklahoma) (J-57)

BUTTON beds (Miocene) (California) (W-38)

BUTTON shale (=Upper Cason Shale) (Alexandrian) (Lower Silurian) (Arkansas)

BUTTRAM sand (=Hog Mountain Sandstone Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)

BUTTRAM sand pay (=Buttram sand)

BUTTRILL RANCH Member (Dagger Flat Sandstone) (Dresbachian-Franconian) (Croixian) (Upper Cambrian) (Texas) (K-66)

BUTTSGIN Formation (Eocene) (Texas) (W-38; K-66)

BU-VI-BAR Bed (=Evansville Sandstone Bed) (Iconium Shale Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38)

BUZZARD Rhyolite (Ash Creek Volcanic Suite) (Precambrian) (Arizona) (K-66)

BUZZARD sand (Barnsdall Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

BYNUM sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)

C

C sand (Cadeville Tongue) (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (K-70)

C unit (Valley Spring Gneiss Group) (Llano terrane) (Y Series) (Precambrian) (Texas)

C zone (=Winchell Limestone) (Gaptank Formation) (Missourian) (Pennsylvanian) (Texas)

C zone granite wash (=Garrett zone) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

C zone (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)

CABALLOS Novaculite (Silurian-Middle Mississippian) (Texas) (W-38; K-66)

CABANISS Subgroup (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)

CABIN CREEK Sandstone (=Hartshorne Sandstone) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38)

- CABIN CREEK Sandstone (=Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- CABLE CANYON Sandstone Member (Second Value Dolomite) (Whiterockian) (Montoya Group) (Ordovician) (Texas) (K-66)
- CACHE Formation (Pliocene- Pleistocene) (California) (W-38; K-66)
- CACHE Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma)
- CACHE CREEK Group (Carboniferous) (British Columbia) (Canada) (W-38)
- CACHE CREEK sand (=Soldier Creek sand) (above Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- CADDELL Clay (Jackson Group) (Eocene) (Texas) (W-38; K-66)
- CADDO conglomerate (Smithwick Shale) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
- CADDO lime (Smithwick Shale and Dickerson Formation) (Bend Group-Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- CADDO lime (=Home Creek Limestone Member) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38)
- CADDO Limestone (Washita Group)(Lower Cretaceous) (Oklahoma) (W-38; K-66)
- CADDO sand (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; J-57)
- CADDO sand (Nacatoch Sand) (Navarro Group) (Upper Cretaceous) (Louisiana) (W-38)
- CADDO shale (=Womble Shale) (Ordovician) (Arkansas) (W-38; K-66)
- CADDO CREEK Formation (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- CADDO GAP Novaculite (=Arkansas Novaculite) (Silurian-Mississippian) (Arkansas) (W-38; K-66)
- CADDO LEVEE BOARD Member (Glen Rose Formation) (Lower Cretaceous) (Texas) (W=38)
- CADDO POOL Member (Kickapoo Creek Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- CADEVILLE sand (Cadeville Tongue) (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (K-70)
- CADEVILLE Tongue (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (K-70)
- CALAMITY Formation (Pleistocene) (Texas) (K-66)
- CALCAREOUS sandstone (=Staff Limestone) (Graford Formation) (Missourian) (Pennsylvanian) (Texas)
- CALDWELL KNOB Sand Member (Seguin Formation) (Wilcox Group) (Paleocene) (Texas) (W-38; K-66)
- CALHOUN coal member (Mattoon Formation) (Pennsylvanian) (Illinois) (K-66)
- CALHOUN Limestone (=Deer Creek Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CALHOUN Limestone Member (=Bonpas Limestone Member) (Mattoon Formation) (Pennsylvanian) (Illinois) (K-66)
- CALHOUN Shale (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

CALICHE (Holocene) (Oklahoma; Texas)
CALICO ROCK Sandstone Member (Everton Formation) (Whiterockian) (Ordovician) (Arkansas) (W-38; K-66)
CALLIHAM Sandstone Member (Whitsett Formation) (Eocene) (Texas) (W-38; K-66)
CALLOVIAN Series (160-165 m.y.) (Middle Jurassic) (Europe)
CALVERT Ash Bed (Ash Hollow Member) (Ogallala Formation) (Miocene) (Kansas) (K-66)
CALVERT Formation (Chesapeake Group) (Miocene) (Maryland) (W-38; K-66)
CALVERT BLUFF Clay Member (Rockdale Formation) (Wilcox Group) (Paleocene) (Texas) (W-38; K-66)
CALVIN Sandstone (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
CAMARGO volcanic ash (Ogallala Formation) (Pliocene) (Oklahoma)
CAMBRIAN (middle) (limestone boulders) (Haymond Formation) (Desmoinesian) (Pennsylvanian) (Texas)
CAMBRIAN System (500-570 m.y.) (Paleozoic Era) (Europe) (W-25; W-38; L-86)
CAMBROVICIAN System (Paleozoic Era) (Europe) (W-38)
CAMDEN Chert (Devonian) (Kentucky) (W-38; K-66)
CAMDEN Series (Cretaceous-Tertiary) (Arkansas) (W-38; K-66)
CAMERON Member (Tolchaco Gravel) (Quaternary) (Arizona) (K-66)
CAMERON Sandstone Member (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
CAMERON Shale Member (Greenbrier Limestone) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
CAMP COLORADO Limestone Member (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
CAMP CREEK Formation (Atlanta Group) (Proterozoic-Paleozoic) (Georgia) (L-91)
CAMP CREEK Group (Beltian Series) (Precambrian) (Montana) (W-38; K-66)
CAMP CREEK Series (Devonian) (McKenzie District) (Canada) (W-38)
CAMP CREEK Shale Member (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
CAMP GROUND Sandstone (below Williams Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
CAMP RICE Formation (Santa Fe Group) (Pleistocene) (Texas) (K-70)
CAMP SPRINGS Conglomerate (Dockum Group) (Triassic) (Texas) (W-38; K-66)
CAMP SUPPLY Beds (=Kiowa Formation) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
CAMPAGRANDE Limestone (Trinity Group) (Lower Cretaceous) (Texas) (W-38; K-66)
CAMPANIAN Series (72-80 m.y.) (Upper Cretaceous) (Europe)
CAMPBELL sand (below Brownville Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
CAMPGROUND Member (Sheep Crossing Formation) (Miocene) (Arizona) (L-86)

CAMPOPHYLLUM bed (=Gunsight Limestone) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)

CAMPUS Andesite (Eocene) (Texas) (K-70)

CAMPUS Formation (=Campan Series) (Pleistocene) (California) (W-38; K-66)

CANADIAN Series (485-500 m.y.) (Lower Ordovician) (North America) (W-25; W-38; K-66)

CANE HILL Sandstone (lower Hale Formation) (Morrowan) (Pennsylvanian) (Arkansas) (K-66)

CANE RIVER Formation (Claiborne Group) (Eocene) (Louisiana) (W-38; K-66)

CANEY sand (Ordovician) (Kentucky) (W-38)

CANEY Shale (=Delaware Creek Shale) (Mississippian) (Oklahoma) (W-38; K-66; C-76)

CANEY POINT Marl member (White Bluff Formation) (Jackson Group) (Eocene) (Arkansas) (K-66)

CANEYVILLE Limestone Member (Wood Siding Formation) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

CANEYVILLE Shale Member (=Plumb Shale Member) (Wood Siding Formation) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

CANNING RIDGE Quartz Monzonite (Tertiary) (Texas) (K-66)

CANNING RIDGE Trachyte (Tertiary) (Texas) (K-66)

CANOE Formation (Big Bend Park Group) (Eocene) (Texas) (K-70)

CANTRELL sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

CANUTILLO Formation (Middle Devonian) (Texas) (K-66)

CANVILLE Limestone Member (Dennis Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

CANYON Conglomerate (=Tower Creek Conglomerate) (Pliocene) (Wyoming) (W-38; K-66)

CANYON Flow (Plateau Volcanic Suite) (Pliocene) (Wyoming) (K-70)

CANYON Group (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)

CANYON lime (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

CAP gyp (above Prewitt Copper Shale) (Flowerpot Shale) (Guadalupian) (Permian) (Oklahoma)

CAP MOUNTAIN Formation (=Honey Creek Limestone) (Cambrian) (Oklahoma) (K-66)

CAP MOUNTAIN Limestone Member (Riley Formation) (Moore Hollow Group) (Dresbachian) (Croixian) (Upper Cambrian) (Texas) (W-38; K-66)

CAP ROCK Quartz Monzonite (Precambrian) (Wyoming) (K-70)

CAP ROCK Submember (Ash Hollow Member) (Ogallala Formation) (Miocene) (Nebraska) (L-81)

CAPITAN Limestone (Guadalupian-Ochoan) (Permian) (Texas) (W-38; K-66)

CAPITOL limestone (=Bigby Limestone) (Ordovician) (Tennessee) (W-38)

CAPITOL Terrace (Pleistocene) (Texas) (K-66)

CAPOTE MOUNTAIN Tuff (Vieja Group) (Tertiary) (Texas) (K-66)

CAPPS Limestone Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)

CAPRINA limestone (=Edwards Limestone) (Cretaceous) (Texas) (W-38)

- CAPROCK bed (above Baldwin coal) (Dye Shale member) (Middle Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas)
- CAPROTINE limestone (=Fredericksburg Group and Glen Rose Limestone) (Cretaceous) (Texas) (W-38)
- CAPTAIN CREEK Limestone Member (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CARADOCIAN Series (435?-455 m.y.) (Ordovician) (Europe)
- CARBONIFEROUS limestone (Mississippian) (North America) (W-38)
- CARBONIFEROUS System (275-365 m.y.) (Mississippian or Lower Carboniferous Series, and Pennsylvanian or Upper Carboniferous Series) (Europe) (W-25; W-38; L-86)
- CARLOS Sandstone Member (Wellborn Sandstone) (Eocene) (Texas) (W-38; K-66)
- CARLSBAD Group (=Artesia Group) (Permian) (New Mexico) (W-38; K-66)
- CARLTON Limestone Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- CARLTON Moraine (Pleistocene) (New York) (W-38)
- CARLTON Rhyolite Suite (Middle Cambrian) (Oklahoma) (W-38; K-66)
- CARLTON Slate (=Thomson Slate) (Precambrian) (Minnesota) (K-66)
- CARMICHAEL sand (Kanwaka Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- CARNAHAN BAYOU Member (Fleming Formation) (Miocene) (Louisiana) (K-66)
- CARNELIAN zone (Bostwick Conglomerate) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- CARNIAN Series (220-230 m.y.) (Upper Triassic) (Europe)
- CAROLINA-TEXAS sand (Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (W-38)
- CARPENTER A sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- CARPENTER B sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- CARPENTER Bed (=Eagle Ford Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- CARPENTER Limestone Member (Grayson Formation) (Upper Cretaceous) (Texas) (K-66: S-81)
- CARPENTER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- CARPENTER sand (Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- CARR sand (Trinity Group) (Lower Cretaceous) (Texas)
- CARR sand (=Mose-Carr sand) (Tyner Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- CARRIGAN black lands (Pleistocene) (Arkansas) (W-38; K-66)
- CARRIZO Basalt Flow (Clayton Basalt) (Quaternary) (New Mexico) (K-66)
- CARRIZO Formation (=Carrizo Mountain Schistose Suite) (Precambrian) (Texas) (W-38; K-66)
- CARRIZO Formation (=Carrizo Creek Beds; Imperial Formation; Palm Springs Formation) (Miocene) (California) (W-38; K-66)

CARRIZO Sand (Claiborne Group) (Eocene) (Louisiana)(W-38; K-66)
CARRIZO MOUNTAIN Schistose Suite (1240 m.y.) (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
CARROLLTON Limestone (Boone Formation) (Osagean) (Mississippian) (Arkansas) (W-38; K-66)
CARROLLTON MOUNTAIN Porphyry (=Carlton Rhyolite Suite) (Middle Cambrian) (Oklahoma) (W-38; K-66)
CARTERVILLE Formation (Mississippian) (Missouri) (W-38; K-66)
CARTHAGE Limestone Member (=Baxter Springs Member) (Warsaw Formation) (Mississippian) (Missouri) (W-38; K-66)
CARTHAGE Limestone Member (Sturgis Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
CARTHAGE Member (Tres Hermanos Formation) (Upper Cretaceous) (New Mexico)(L-91)
CARTHAGE Moraine (Pleistocene) (New York) (W-38)
CARTRIGHT sand (Yegua Formation) (Eocene) (Texas) (W-38)
CARVER CREEK Granite Porphyry (Musco Intrusive Suite) (St. Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic)(Precambrian) (Missouri) (K-70)
CASEY Limestone (Devonian) (Kentucky) (W-38; K-66)
CASEY Limestone Member (McLeansboro Formation) (Pennsylvanian) (Illinois) (W-38)
CASEY sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
CASEY sands (Carbondale Formation)(Pennsylvanian) (Illinois) (W-38)
CASHION sand (=basal Wewoka Formation) (Marmaton Group)(Desmoinesian) (Pennsylvanian) (Oklahoma)
CASHION sand (below Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
CASON Limestone (=St. Clair Limestone and Brassfield Limestone) (Silurian) (Arkansas) (W-38; K-66)
CASON Shale (Upper Ordovician-Lower Silurian) (Arkansas) (W-38; K-66)
CASPIANA Sandstone (Hosston Formation) (Trinity Group) (Lower Cretaceous) (Louisiana)
CASSADAGA Group or Stage (Upper Devonian) (New York) (K-66)
CASSADAGIAN Stage (Chautauquan Series) (Upper Devonian) (New York)
CASSEL HILL Member (Catahoula Formation) (Miocene) (Louisiana) (K-66)
CASSINIAN Stage (Ordovician) (North America) ((W-38; K-66)
CASTILE Formation (Ochoan) (Permian) (Texas) (W-38; K-66)
CASTLE ROCK Conglomerate (White River Group) (Oligocene) (Colorado) (W-38; K-66)
CASTLE ROCK Sandstone (=Rod Club Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (W-38; J-57)
CASTLEWOOD Member (Spechts Ferry Formation) (Ordovician) (Missouri) (K-70)
CASTNER Limestone (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66; S-81)
CASTOR CREEK Member (Fleming Formation) (Miocene) (Louisiana) (K-66)
CATAHOULA Formation (Oligocene-Miocene) (Louisiana) (W-38; K-66; S-78)

- CATHEDRAL MOUNTAIN Formation (Leonardian) (Permian) (Texas) (K-70)
- CATOCHE KNOLL phyllite (500 m.y.) (=Collier Formation) (Upper Cambrian) (West Florida Escarpment-Cuba-Campeche Escarpment area; 12500 feet of water) (Gulf of Mexico)
- CAVANAL coal bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- CAVANAL Group (=McAlester Formation and Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CAVANIOL Group (=Cavalan Group) (W-38; K-66)
- CAVE Basalt (Holocene) (Washington) (L-81)
- CAVE Limestone (=Wyandotte Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CAVE CREEK Formation (=Blaine Formation) (Guadalupean) (Permian) (Kansas) (W-38; K-66)
- CAVE CREEK Formation (Oligocene or Miocene) (Arizona) (K-66)
- CAVE CREEK Quartz Monzonite (Precambrian) (Arizona) (K-70)
- CAVE ROCK Series (=Chanute Shale through Plattsburg Limestone) (Missourian) (Pennsylvanian) (Kansas) (W-38)
- CAVE SPRINGS Sandstone (=Tecumseh Shale) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CAVERN Subdivision (Beaver Division) (Wilberns Formation) (Upper Cambrian) (Texas)
- CAYUGA Dolomite (Silurian) (Canada) (W-38)
- CAYUGA Group (Upper Silurian-Lower Devonian) (New York) (W-38; K-66; S-77; S-81)
- CAYUGAN Series (Upper Silurian-Lower Devonian) (USA) (W-38; K-66)
- CDP zone (Ceratopea; Diparelasma; Pomatotrema) (upper West Spring Creek Formation) (upper Arbuckle Group) (Lower Ordovician) (Oklahoma)
- CECIL sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- CECIL SPIRO sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- CEDAR BLUFF coal bed (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- CEDAR BLUFF Group (Mississippian) (Kentucky) (K-70)
- CEDAR BLUFF Rhyolite (St. Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- CEDAR CREEK Argillite (Cambrian) (Washington) (W-38; K-66)
- CEDAR CREEK Lime (Lake Lytle Limestone Member) (Arroyo Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas)
- CEDAR CREEK Limestone (=Iola Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CEDAR CREEK Member (White River Formation) (Oligocene) (Colorado) (W-38; K-66)
- CEDAR HILLS Anhydrite (Permian) (Kansas) (W-38; K-66)
- CEDAR HILLS Sandstone (El Reno Group) (Guadalupean) (Permian) (Oklahoma) (W-38; K-66)
- CEDAR PARK Member (Walnut Clay) (Lower Cretaceous) (Texas) (W-38; K-66)

- CEDAR POINT Shale (=Matfield Shale) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- CEDAR SPRINGS Dolomite Bed (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- CEDAR VALE Shale Member (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CEDARTON Shale Beds (Brookesmith Submember) (Wolf Mountain Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- CEDARTOP dolomite bed (Blaine Formation) (Guadalupian) (Permian) (Texas) (K-70)
- CEDARTOP Gypsum Member (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- CEMENT CITY Limestone Member (Drum Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CENOMANIAN Series (92-100 m.y.) (Upper Cretaceous) (Europe)
- CENOZOIC Era or Erathem (0-67 m.y.) (Tertiary and Quaternary Systems) (Europe) (W-25; W-38; L-86)
- CENTERPOINT Volcanic Beds (Eagle Ford Group) (Upper Cretaceous) (Arkansas) (K-66)
- CENTRAL OKLAHOMA Granite Group or Granitic Suite (1150-1220 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- CENTRE POINT Gravel (Pleistocene) (Arkansas) (W-38; K-66)
- CERRO ALTO Limestone (Hueco Group) Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-70)
- CERRO GORDO Clay (=Kiamichi through Woodbine Formations) (Lower to Upper Cretaceous) (Arkansas) (W-38; K-66)
- CERRO GORDO Formation (Cretaceous) (Puerto Rico) (K-70)
- CERRO GORDO Member (Lime Creek Formation) (Devonian) (Iowa) (W-38; K-66)
- CERRO GORDO Moraine (Pleistocene) (Illinois) (W-38)
- CHAFFIN Limestone Member (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)
- CHALK BLUFF Formation (Artesia Group) (Permian) (Texas) (W-38; K-66)
- CHALK HILLS Formation (Idaho Group) (Pliocene) (Idaho) (K-70; S-81)
- CHALK HILLS lime (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- CHALK HILLS Member (Catahoula Formation) (Miocene) (Louisiana) (K-66; S-81)
- CHALLENGER KNOLL Siltstone (=lower Morehouse Formation) (Desmoinesian) (Pennsylvanian) (Sigsbee Deep) (Gulf of Mexico)
- CHAMBERINO Member (Fusselman Dolomite) (Silurian) (Texas) (K-70)
- CHAMBERLAIN Sand Member (Frio Formation) (Oligocene) (Texas)
- CHAMBERLIAN Shale (Belt Supergroup) (Precambrian) (Montana) (W-38; K-66)
- CHAMBERS Tuff (Vieja Group) (Oligocene) (Texas) (K-66)

- CHAMBERS RANCH pay (above Capps Limestone Bed) (East Mountain Shale) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- CHAMPION Shell Bed (Kiowa Formation) (Cretaceous) (Kansas) (W-38; K-66)
- CHAMPLAINIAN Series (455-485 m.y.) (Middle Ordovician) (USA) (W-25; W-38; K-66)
- CHANDLER Formation (mostly Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- CHANDLER Formation (Nanushuk Group) (Cretaceous) (Alaska) (K-66)
- CHANEY Gypsum Bed (Flowerpot Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- CHANUTE Formation (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CHAPMAN Dolomite (=Southard Dolomite Bed) (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- CHAPMAN sand (Schuler Formation) (Cotton Valley Group) (Jurassic) (Louisiana) (K-70)
- CHAPMAN Sandstone (Dockendorff Group) (Devonian) (Maine) (W-38; K-66)
- CHAPMAN Trachyte (Devonian) (Maine) (W-38; K-66)
- CHAPMAN RANCH Member (McKenzie Hill Formation) (Arbuckle Group) (Lower Ordovician) (Oklahoma) (W-38; K-66)
- CHAPPEL Limestone (Kinderhookian-Osagean) (Mississippian) (Texas) (W-38; K-66)
- CHARLESTON coal (Savanna Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- CHARLIE reef (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- CHARLSON sand (above Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- CHASE Group (Gearyan-Lyonian) (Upper Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- CHASE Quartzite Member (Shuswap Formation) (Precambrian) (British Columbia) (Canada) (W-38)
- CHASE CHANNEL Formation (Pleistocene) (Kansas) (K-66)
- CHATTANOOGA Group or Shale (Upper Devonian-Lower Mississippian) (Oklahoma) (W-38; K-66)
- CHATTIAN Stage (25-33 m.y.) (Oligocene) (Europe)
- CHAUMONTIAN Substage (Blackriveran) (Ordovician) (New York) (K-66)
- CHAUTAUQUA Conglomerate (=Olean Conglomerate) (Pennsylvanian) (New York) (W-38; K-66)
- CHAUTAUQUA Sandstone (=Lawrence Formation) (Douglas Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CHAUTAUQUAN Series (365-380 m.y.) (Upper Devonian) (New York) (W-38; K-66)
- CHAVES Shale (Permian) (New Mexico) (W-38; K-66)
- CHAZYAN Stage (Champlainian Series) (Middle Ordovician) (New York) (W-38; K-66)
- CHECKERBOARD coal bed (South Mound Shale Member) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)

- CHECKERBOARD lime (Oklahoma City Field) (=lower Hogshooter Limestone and Layton sand) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- CHECKERBOARD Limestone Member (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- CHECKERBOARD sand (below Checkerboard coal) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- CHECKERBOARD sand (=upper Cleveland sand) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- CHECKERBOARD sand (=Hodges zone) (Missourian) (Pennsylvanian) (Oklahoma Panhandle) (J-57)
- CHELSEA coal bed (=Morris coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- CHELSEA Sandstone Member (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CHELTENHAM Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- CHEMARD LAKE lignite lentil (Naborton Formation) (Paleocene) (Louisiana) (K-66)
- CHEMUNG Conglomerate (Chemung Formation) (Devonian) (New York) (W-38)
- CHEMUNG Formation (Upper Devonian) (New York) (W-38; K-66; S-78)
- CHEMUNGIAN Stage (Senecan Series) (Upper Devonian) (New York) (W-38; K-66)
- CHEPULTEPEC Dolomite (Knox Group) (Lower Ordovician) (Mississippi) (W-38; K-66; S-81)
- CHEROKEE Formation (=upper Calvin Sandstone) (Cabaniss Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- CHEROKEE Group (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; J-57; K-66; S-81)
- CHEROKEE Limestone (=Warsaw Limestone) (Mississippian) (Kansas) (W-38; K-66)
- CHEROKEE Limestone (Cambrian) (South Carolina) (W-38; K-66)
- CHEROKEE Metamorphic Suite (=Cherokee zone) (Cambrian) (South Carolina) (W-38)
- CHEROKEE Slates (Lower Cambrian) (North Carolina) (W-38; K-66)
- CHEROKEE zone (Cambrian) (South Carolina) (W-38)
- CHERRY limestone (meant Cherty limestone) (Pennsylvanian) (Texas) (W-38)
- CHERRY Shale (Ordovician) (Nevada) (W-38; K-66)
- CHERRY CANYON Formation (Delaware Mountain Group) (Guadalupian) (Permian) (Texas) (K-66)
- CHERRY CANYON Schists (Precambrian) (Nevada) (K-66)
- CHERRY MOUND Shale (=Buda Limestone) (Upper Cretaceous) (Texas) (K-66)
- CHERRYKIRK sand (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- CHERRYKIRK sand pay (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- CHERRYVALE Shale (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

CHERTY limestone (=Cherry limestone) (Pennsylvanian) (Texas) (W-38)
CHESHEWALLA Sandstone (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
CHESTER lime (Chesterian) (Mississippian) (Oklahoma)
CHESTERIAN Series (330-340 m.y.) (Upper Mississippian) (Illinois) (W-38; J-57; K-66)
CHETOPA Shales (=Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
CHEYENNE Sandstone (below Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
CHICAGO MOUND Formation (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (K-66)
CHICKACHOC Chert (=Wapanucka Limestone) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
CHICKASAW Supergroup (Paleocene- Eocene) (Arkansas) (W-38; K-66)
CHICKASAW CREEK Chert (basal Jackfork or upper Stanley Groups) (Morrowan or Chesterian) (Pennsylvanian or Mississippian) (Oklahoma) (K-66; C-76)
CHICKASHA Formation (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
CHICKASHA sand (Garber Sandstone ?) (Leonardian) (Permian) (Oklahoma) (J-57)
CHICKEN FARM sand (=upper Taft or upper Red Fork) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
CHICO RIDGE Limestone Submember (Jasper Creek Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
CHIKASKIA Sandstone Member (Harper Siltstone) (=Fairmont Shale) (Nippewalla Group) (Leonardian) (Permian) (Kansas) (K-66)
CHILDERS sand (Pennsylvanian) (Texas) (W-38)
CHILDRESS Dolomite Member (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
CHILDRESS sand (Devonian) (West Virginia) (W-38)
CHIMNEYHILL Subgroup (Hunton Group) (Upper Ordovician-Middle Silurian) (Oklahoma) (W-38; J-57; K-66)
CHINA TANK Member (Word Formation) (Permian) (Texas) (K-70)
CHINATI Group (Permian) (Texas) (W-38; K-66)
CHINATI MOUNTAIN Volcanic Suite (Tertiary) (Texas) (K-66)
CHINLE Formation (Upper Triassic) (Texas) (W-38; K-66; S-81)
CHISHOLM CREEK Shale Member (Wellington Formation) (Leonardian) (Permian) (Kansas) (K-66)
CHISOS Formation (Big Bend Park Group) (Bofecillos Group) (Eocene-Oligocene) (Texas) (W-38; K-66)
CHISPA SUMMIT Formation (Cretaceous) (Texas) (W-38; K-66)
CHISUM QUARRY Member (McCully Formation) (middle Bloyd Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (S-78; L-86)
CHITA Sand Member (Catahoula Formation)(Oligocene ?) (Texas) (K-66)
CHOCTAW Buhrstone (Claiborne Group) (Eocene) (Alabama) (W-38; K-66)

CHOCTAW Limestone (=Main Street Limestone) (Washita Group) (Upper Cretaceous) (Texas) (W-38; K-66)

CHOUTEAU Limestone (=Compton Limestone Member) (St. Joe Group) (Kinderhookian) (Mississippian) (Missouri) (W-38; K-66)

CHOZA Formation (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

CHRISTINE Member (Yegua Formation) (Claiborne Group) (Eocene) (Texas) (K-66)

CHUBBEE sand (=lower Confederate lime) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

CHUPADERA Formation (=Yeso Formation, Glorieta Sandstone, and San Andres Group) (Leonardian-Guadalupian) (Permian) (New Mexico) (W-38; K-66)

CHURCH Limestone Member (Howard Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

CHUSA Member (Catahoula Formation)(Miocene ?) (Texas) (W-38; K-66)

CIBOLO Formation (Chinati Group) (Permian) (Texas) (W-38; K-66)

CIENEGUITA Formation (Chinati Group) (Permian) (Texas) (W-38; K-66)

CIMARRON anhydrite member (=Stone Corral Dolomite Member) (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (K-66)

CIMARRON Formation (Permian) (New Mexico) (W-38; K-66)

CIMARRON salt (Hennessey Group-Garber Sandstone) (Leonardian) (Permian) (Oklahoma)

CIMARRONIAN Series (Permian) (Texas) (W-38; K-66)

CIMARRONIAN Series (=Leonardian red beds) (Permian) (Kansas) (W-38; K-66)

CINCINNATIAN Series (425-455 m.y.) (Upper Ordovician) (USA) (W-25; W-38; K-66)

CISCO Group (Virgilian-Gearyan) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; J-57; K-66)

CISCO LAKE Sandstone Member (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (K-66)

CISTERN Member (Yegua Formation) (Claiborne Group) (Eocene) (Texas) (K-66)

CITA CANYON Beds (Pleistocene) (Texas) (K-70)

CITRONELLE Formation (Pliocene) (Gulf Coast) (W-38; K-66)

CITY LAKE sand (=Overbrook Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)

CLAIBORNE Group (Eocene) (Gulf Coast) (W-38; K-66; C-76)

CLAREMORE Formation (=Breezy Hill Limestone through Fort Scott Limestone) (Cherokee-Marmaton Groups) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

CLARENDON Beds (=Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)

CLARENDON gas sand (Devonian) (Pennsylvania) (W-38)

CLARENDON Gravel (Pleistocene) (Pennsylvania) (W-38; K-66)

CLARENDON member (Rutland Dolomite) (Cambrian) (Vermont) (K-66)

CLARENDON sand (above Clarendon gas sand) (Devonian) (Pennsylvania) (W-38)

CLARENDONIAN Age (Pliocene) (Texas) (K-66)

CLARITA Limestone (Oligocene) (Panama) (K-66)

CLARITA Limestone (Chimneyhill Subgroup) (Hunton Group) (Lower to Middle Silurian) (Oklahoma) (K-66)

CLARK COUNTY Littorals (Cretaceous) (Arkansas) (W-38; K-66)

CLARK MOUNTAIN Formation (Pliocene-Pleistocene) (Nevada) (K-70)

CLARK MOUNTAIN Rhyolite (Middlebrook Rhyolitic Suite) (Precambrian) (Missouri) (K-70)

CLARKSVILLE Formation (Cretaceous) (Arkansas) (W-38)

CLARKSVILLE Member (Waynesville Formation) (Ordovician) (Ohio) (W-38; K-66)

CLARKSVILLE oil sand (Devonian) (New York) (W-38)

CLAY CREEK Limestone Member (Kanwaka Shale) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

CLAYPOOL Formation (=Wellington Formation) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)

CLAYTON Basalt (Quaternary) (New Mexico) (K-66)

CLAYTON Clay (Pleistocene) (Connecticut) (W-38; K-66)

CLAYTON Formation (Midway Group) (Eocene) (Arkansas) (W-38; K-66)

CLAYTON Sandstone (Bluefield Formation) (Mississippian) (West Virginia) (W-38; K-66)

CLAYTON Shale (Bluefield Formation) (Mississippian) (West Virginia) (W-38; K-66)

CLAYTONVILLE Dolomite Bed (=Alibates Dolomite) (Doxey Shale) (Foss Group) (Ochoan) (Permian) (Texas) (W-38; K-66)

CLAYTONVILLE Gypsum Bed (=Moccasin Creek Bed) (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)

CLEAR CREEK Bed (=Winchell Limestone Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)

CLEAR CREEK Chert (Devonian) (Illinois) (W-38; K-66)

CLEAR CREEK Drift (Recent) (Alaska) (K-70)

CLEAR CREEK Formation (Pleistocene) (Texas) (K-70)

CLEAR CREEK Gneiss (Precambrian) (Colorado) (W-38; K-66)

CLEAR CREEK Gravels (=Moncrief Member) (Wasatch Formation) (Eocene) (Wyoming) (K-66)

CLEAR CREEK Greenstone (Mississippian) (California) (W-38; K-66)

CLEAR CREEK Sandstone (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)

CLEAR CREEK Gneiss (Mississippian ?) (California) (W-38; K-66)

CLEAR CREEK Silt (Pleistocene) (Missouri) (K-70)

CLEAR CREEK Tuff Member (Dry Hollow Formation) (Miocene) (Utah) (K-70)

CLEAR CREEK Volcanic Suite (pre-Devonian-Triassic) (California) (W-38; K-66)

CLEAR FORK Dacite (Quaternary) (Washington) (L-81)

CLEAR FORK Group (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)

CLEAR FORK Group (Leonardian) (Permian) (Texas) (W-38; K-66)

- CLEM CREEK Sandstone Member (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CLEVELAND magnafacies (Devonian-Mississippian) (Pennsylvania) (W-38; K-66)
- CLEVELAND Moraine (Pleistocene) (Ohio) (W-38)
- CLEVELAND sand (Nowata Shale-Hepler Sandstone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- CLEVELAND Sandstone Member (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- CLEVELAND Shale Member (Ohio Shale) (Devonian-Mississippian) (Ohio) (W-38; K-66)
- CLEVELAND COUNTY Red Lands (Eocene) (Arkansas) (W-38; K-66)
- CLICK Marble, Member, Series (Packsaddle Schistose Suite) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66; K-70)
- CLINTONIAN Stage (415-420 m.y.) (Middle Silurian) (Tennessee) (USA) (W-38; K-66)
- CLIFTY Conglomerate Lentil (Lee Formation) (Pennsylvanian) (Tennessee) (W-38; K-66)
- CLIFTY Limestone (Middle Devonian) (Arkansas) (W-38; K-66)
- CLIFTY Shale (Pennsylvanian) (Tennessee) (W-38; K-66)
- CLINE Formation (Cretaceous) (Texas) (W-38; K-66)
- CLINE sand (=Ryan Sandstone Member) (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (J-57)
- CLIFTONIAN Stage (Middle Silurian) (New York) (W-38; K-66)
- CLOICE Member (Lake Waco Formation) (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-66)
- CLOUD CHIEF Formation (=Seven Rivers Formation and Yates Sandstone) (Foss Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- CLYDE Formation (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- COAHUILA Group (Lower Cretaceous) (Mexico) (K-66)
- COAHUILA Silt (Pleistocene) (California) (W-38; K-66; S-81)
- COAHUILAN Series (115-140 m.y.) (=Berriasian, Valanginian, Hauterivian) (=Lower Comanchean) (Lower Cretaceous) (Mexico) (K-66)
- COAL No. 6 (=Newcastle coal) (Obregon Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- COAL CITY Limestone Bed (Pawnee Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- COAL CREEK Formation (Pennsylvanian) (New Brunswick) (Canada) (W-38)
- COAL CREEK Formation (Silurian-Mississippian) (New Brunswick) (Canada) (W-38)
- COAL CREEK Limestone Bed (=Turkey Run Limestone Bed) (Topeka Limestone Member)(Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- COAL CREEK Quartzite (Precambrian) (Colorado) (W-38; K-66; S-81)
- COAL CREEK Serpentine (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66)

COALVALE cyclothem (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)
COATA Sandstone member (=Coody Sandstone Member) (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
COCHAHEE Sandstone Lentil (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
COCHRANE Limestone (Chimneyhill Subgroup) (Hunton Group) (Lower Silurian) (Oklahoma) (K-66)
COCHRANE Substage (Pleistocene) (Wisconsin) (K-66)
COCKFIELD Formation (=Yegua Formation) (Claiborne Group) (Eocene) (Mississippi) (W-38; K-66)
COCKRUM Sandstone (Dakota Group) (Cretaceous) (Kansas) (K-66)
COETAS Formation (=Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
COFFEE Ranch Member (=Hemphill Member) (Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
COFFEYVILLE Formation (Skiatook or Pleasanton Groups) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
COFFEYVILLE Limestone (=Lenapah Limestone Member) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
COLBERT cyclothem (Pennsylvanian) (Illinois) (K-66)
COLBERT Rhyolite Porphyry (Carlton Rhyolitic Suite) (Middle Cambrian) (Oklahoma) (W-38; K-66)
COLBERT sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
COLD SPRING Member (Fleming Formation) (Miocene) (Texas) (W-38; K-66)
COLD SPRINGS Breccia (505 ± 10 m.y.) (Upper Cambrian) (Oklahoma) (W-38; K-66)
COLE granite wash (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (J-57)
COLE sand (Jackson Group) (Eocene) (Texas) (W-38)
COLE CAMP Sandstone (Gunter Sandstone Member) (Gasconade Dolomite) (Ordovician) (Missouri) (W-38; K-66)
COLEMAN Bed (=Jim Ned Shale Member) (Admiral Formation) (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (W-38; K-66)
COLEMAN Division (=upper Cisco Group and lower Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
COLEMAN Limestone (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
COLEMAN JUNCTION Limestone (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
COLINE sand (=Wade sand) (below Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
COLINE sand (above Gunsight Limestone) (lower Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
COLLIER Basalt Flows (Holocene) (Oregon) (K-66)

- COLLIER Formation or Limestone (=Catoche Knoll phyllite) (Upper Cambrian-Lower Ordovician) (Arkansas) (W-38; K-66; S-77)
- COLLINGS RANCH Conglomerate (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)
- COLLINGSWORTH Gypsum Member (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- COLLOZOIC Era or Erathem (W-25; W-38)
- COLLUVIUM (Holocene) (Arkansas; Oklahoma; Texas)
- COLMENA Formation (Vieja Group) (Tertiary) (Texas) (K-66)
- COLONY CREEK Shale Member (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (K-66)
- COLONY SCHOOL Conglomerate (basal Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- COLORADO Conglomerate (=Olean Conglomerate) (Pottsville Group) (Pennsylvanian) (Pennsylvania)
- COLORADO Group (Cretaceous) (Colorado) (W-38; K-66)
- COLQUITT Formation (Cretaceous) (Texas) (K-66)
- COLUMBUS coal (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)
- COLUMBUS cyclothem (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)
- COLUMBUS Limestone (Devonian) (Ohio) (W-38; K-66)
- COLUMBUS Marl (=Marlbrook Marl) (Taylor Group) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- COLUMBUS Quartzite (=Weber Quartzite) (Pennsylvanian) (Utah) (W-38; K-66)
- COLUMBUS Sand (=Englishtown Sand) (Cretaceous) (New Jersey) (W-38; K-66)
- COLUMBUS Sandstone (=Warner through Bluejacket Sandstone (McAlester-Savanna-Boggy Formations) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
- COMANCHE sand (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian-Lower permian ?) (Oklahoma)
- COMANCHE CREEK Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- COMANCHE PEAK Limestone (Fredericksburg Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- COMANCHEAN Series (100-140 m.y.) (Lower Cretaceous) (Gulf Coast) (USA) (W-25; W-38; K-66)
- COMET CREEK Bed (=Kiowa Formation) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
- COMMERCE Sandstone (Tertiary) (Missouri) (W-38; K-66)
- COMPTON Limestone (St. Joe Group) (Kinderhookian) (Mississippian) (Missouri) (W-38; K-66)
- COMPTON Slates (Ordovician) (Quebec) (W-38)
- COMYN Member (Marble Falls Formation) (Bend Group) (Morrowan) (Pennsylvanian) (Texas) (K-66)
- CONASAUGA Formation (Albertan) (Middle Cambrian) (Mississippi) (W-38; K-66)

CONASAUGAN Series (Middle Cambrian) (USA) (K-66; S-81)
CONEWANGO Clay (Pleistocene) (Pennsylvania) (W-38; K-66)
CONEWANGO Group (Devonian) (Pennsylvania) (W-38; K-66; S-81)
CONEWANGOAN Stage (Chautauquan Series) (Upper Devonian) (New York) (W-38; K-66)
CONFEDERATE coal bed (above Confederate Limestone; above Autry coal) (Hoxbar Group)
(Missourian) (Pennsylvanian) (Oklahoma)
CONFEDERATE Limestone (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38;
K-66)
CONIACIAN Series (85-90 m.y.) (Upper Cretaceous) (Europe)
CONNELL sand (=Oil Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Texas)
(K-66)
CONQUISTA Clay Member (Whitsett Formation) (Eocene) (Texas) (K-66)
CONROE sand (Yequa Formation) (Eocene) (Texas) (W-38)
CONVERSE Sandstone (Logansport Formation) (Wilcox Group) (Paleocene) (Louisiana) (K-66)
COODA Sandstone (=Coody Sandstone) (K-66)
COODY Sandstone Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
(W-38; K-66)
COOK sand (Obregon Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan)
(Pennsylvanian) (Texas) (W-38)
COOK MOUNTAIN Formation (Claiborne Group) (Eocene) (Louisiana) (W-38; K-66)
COOKS Formation (El Paso Group) (Ordovician) (Texas) (K-70)
COOL CREEK Formation (Arbuckle Group) (Lower Ordovician) (Oklahoma) (W-38; K-66)
COOLEGE Marl Member (Neylandville Formation) (Taylor Group)(Cretaceous) (Texas) (W-
38; K-66)
COON MOUNTAIN Sandstone Bed (Camp Creek Shale Member) (Pueblo Formation) (Cisco
Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
COOPER Limestone Member (Callaway Formation) (Devonian) (Missouri) (W-38; K-66)
COOPER Limestone Member (Cedar City Formation) (Devonian) (Missouri) (W-38; K-66)
COOPER Marl (Oligocene) (South Carolina) (W-38; K-66)
COOPER sand (Devonian) (Pennsylvania) (W-38)
COOPER sand (Mississippian) (Kentucky) (W-38)
COOPER sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
COOPERTON Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma)
COPAN Formation (=Nellie Bly, Dewey, Chanute, Iola, Wann, and Torpedo units) (mainly
Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
COPE HOLLOW Formation (St. Francois Mountains Volcanic Supergroup) (Y Series) (Middle
Proterozoic) (Precambrian) (Missouri) (L-91)
COPPER RIDGE Dolomite (Knox Group) (Croixian) (Upper Cambrian) (Mississippi) (W-38;
K-66; S-81)
CORAL lime (=Capps Limestone Bed) (East Mountain Shale Member) (Mineral Wells
Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

CORAL limestone (Glendon Limestone) (Oligocene) (Alabama) (W-38)
CORBIN CITY Limestone Member (Drum Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
CORBIN RANCH Limestone Submember (Pooleville Member) (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (K-66)
CORBULA Bed (Glen Rose Formation) (Trinity Group) (Lower Cretaceous) (Texas)
CORDELL Dolomite (Manistique Group) (Silurian) (Michigan) (W-38; K-66)
CORDELL lime (below Davis sand) (upper Bend Group) (Desmoinesian)(Pennsylvanian) (Texas)
CORDELL sand (below Davis sand) (upper Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
CORN CREEK Limestone Bed (Placid Shale Member) (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (K-66)
CORNELL RANCH Member (Sycamore Limestone) (Osagean) (Mississippian) (Oklahoma) (K-66)
CORNISH Sandstone Member (=Ryan Sandstone) (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
CORONADO HILLS Conglomerate (Thunderbird Group) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (L-91)
COROUGH Sandstone Member (Catahoula Formation) (Miocene) (Texas) (K-66)
CORRAL Formation (Precambrian) (Alberta) (Canada) (W-38)
CORRAL Sandstone Member (Cheyenne Sandstone) (Lower Cretaceous) (Kansas) (W-38; K-66)
CORRIGAN Formation (Devonian) (Maryland) (W-38; K-66)
CORRIGAN Formation (=Catahoula Formation) (Oligocene-Miocene) (Texas) (W-38; K-66)
CORSICANA Marl Member (Nacatoch Sand) (Navarro Group) (Upper Cretaceous) (Texas) (W-38; K-66)
CORSICANA sand (Taylor Group) (Upper Cretaceous)(Texas) (W-38)
COSDEN sand (=Taft Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
COSDEN sand (Fayette Sandstone) (Jackson Group) (Eocene) (Texas) (W-38)
COSSATOT Formation (Trinity Group) (Lower Cretaceous) (Arkansas) (L-91)
COTTAGE GROVE Sandstone Member (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
COTTER Dolomite (Lower Ordovician) (Oklahoma) (W-38; K-66)
COTTINGHAM sand (Stanley Group) (Chesterian) (Mississippian) (Oklahoma)
COTTON VALLEY Group (Upper Jurassic-Lower Cretaceous) (Louisiana) (K-66)
COTTONWOOD Adamellite (Jurassic or Cretaceous) (California) (K-70)
COTTONWOOD Beds (=Mascall Formation) (Miocene) (Oregon) (W-38; K-66)
COTTONWOOD Beds (Horsetown Formation) (Cretaceous)(California) (K-66)

- COTTONWOOD Formation (=Cottonwood Limestone Member and Florena Shale Member)
(Beattie Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower
Permian ?) (Kansas) (W-38; K-66)
- COTTONWOOD Granite (=Little Cottonwood Granite) (Cretaceous or Tertiary) (Utah) (W-38)
- COTTONWOOD Limestone Member (Beattie Limestone) (Oscar Group) (Gearyan-Lyonian)
(Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- COTTONWOOD Quartzite (Precambrian) (Utah) (K-66)
- COTTONWOOD Rhyolite (Tertiary) (Arizona) (W-38; K-66)
- COTTONWOOD Schists, Gneisses (=Cottonwood Quartzite ?) (Precambrian) (Utah) (W-38;
K-66)
- COTTONWOOD Shales (=Florena Shale Member) (Beattie Limestone) (Council Grove Group)
(Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- COTTONWOOD white layer (Beds B or C) (Bridger Formation) (Eocene) (Wyoming) (W-38;
K-66)
- COTTONWOOD CREEK Bed (basal East Mountain Shale Member) (Mineral Wells Formation)
(Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- COTTONWOOD CREEK Formation (Miocene) (California) (K-66)
- COTTONWOOD FALLS Limestone (=Cottonwood Limestone Member) (Beattie Limestone)
(Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas)
(W-38; K-66)
- COTTONWOOD SPRING Basalt (Buck Hill Group) (Tertiary) (Texas) (K-66)
- COUCH Member (Ogallala Formation) (Pliocene) (Texas) (K-66)
- COUNCIL GROVE Group (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-
38; K-66)
- COUNTY LINE lime (=Anadarche Limestone and Daube Limestone) (Hoxbar Group)
(Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- COURCHESNE Formation (Cretaceous) (Texas)
- COVINGTON Group (Ordovician) (Kentucky) (W-38; K-66)
- COVINGTON sand (White Cloud Shale Member) (Scranton Shale) (Ada Group) (Virgilian)
(Pennsylvanian) (Oklahoma) (W-38; J-57)
- COW BAYOU Member (Logansport Formation) (Wilcox Group) (Paleocene) (Texas) (K-66)
- COW CREEK Conglomerate (Libby Creek Group) (Precambrian) (Wyoming) (L-86)
- COW CREEK Granodiorite (Jurassic-Cretaceous) (California) (K-66)
- COW CREEK Limestone Member (Pearsall Formation) (Trinity Group) (Lower Cretaceous)
(Louisiana) (W-38; K-66)
- COW CREEK Member (Steele Shale) (Cretaceous) (Wyoming) (K-70)
- COWDEN Anhydride Member (Salado Formation) (Ochoan) (Permian) (Texas) (K-66)
- COWLEY Formation (Mississippian) (Kansas) (K-66)
- COX sand (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian)
(Oklahoma) (J-57)
- COX Sandstone (Trinity Group) (Lower Cretaceous) (Texas) (W-38; K-66)

- CRADDOCK Clay Bed (Obregon Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (K-66)
- CRAIG Limestone Member (Rogersville Shale) (Cambrian) (Tennessee) (K-66)
- CRAIG Shale (=McCurtain Shale Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CRAVATT Member (Bois d'Arc Formation) (Hunton Group) (Lower Devonian) (Oklahoma) (K-66)
- CRAVENS unconformity (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- CRAZY CAT Formation (Cretaceous) (Texas) (L-81)
- CRAZYCAT Member (Fusselman Dolomite) (Silurian) (Texas) (K-70)
- CREKOLA Sandstone Member (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CREOLA Member (Yegua Formation) (Eocene) (Texas) (K-66)
- CRESSWELL Limestone Member (Winfield Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- CRETA Dolomite Member (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- CRETACEOUS System (67-140 m.y.) (Mesozoic Era or Eratham) (Europe) (W-25; W-38; L-86)
- CREWS sand (Willard-Pillsbury Shale) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- CRINER Formation (=Pooleville Member) (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (W-38; K-66)
- CRINERVILLE Limestone (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CRINOIDAL lime (=Oscar sand) (Crinerville Limestone to Wade sand) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- CRINOIDAL lime (=Topeka Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- CRINOIDAL limestone (Paleozoic limestones) (USA) (W-38)
- CRISFIELD Sandstone Member (Salt Plains Formation) (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (K-66)
- CRITZER Limestone Member (Hertha Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- CROCKETT Formation (=Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- CROIXIAN Series (=St. Croixan Series) (500-515 m.y.) (Upper Cambrian) (USA) (W-38; K-66)
- CROMWELL Moraine (Pleistocene) (Minnesota) (W-38)

CROMWELL sand, 1, 2 (=lower Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57; L-81)

CRON pay (=Village Bend Limestone Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

CROOKED CREEK Chert Bed (Cotter Dolomite) (Lower Ordovician) (Arkansas) (K-66)

CROOKED CREEK Formation (Cretaceous) (Wyoming) (K-66)

CROOKED CREEK Formation or Gravel (Meade Group) (Pleistocene) (Kansas) (K-66)

CROOKED CREEK Shale Member (Mahantango Formation) (Devonian) (Pennsylvania) (K-70)

CROSS sand (=Rod Club Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)

CROSS CUT sand (Turkey Creek Sandstone Bed) (Keechi Creek Shale Member) (Mineral Wells Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38)

CROSS PLAINS sand (Pennsylvanian) (Texas) (W-38)

CROSS PLAINS Sandstone (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)

CROSS TIMBERS Formation (Lower through Upper Cretaceous) (Texas) (W-38)

CROSSEN Trachyte (Buck Hill Group) (Eocene) (Texas) (K-66)

CROSSROADS Lentil (Cook Mountain Formation) (Eocene) (Louisiana) (K-70)

CROTON Gypsum Bed (=Emanuel Bed) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)

CROTON Limestone Member (St. Louis Limestone) (Mississippian) (Iowa) (W-38; K-66)

CROUSE Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

CROWEBURG coal bed (=Henryetta coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)

CROWEBURG Formation (between Fleming coal and top of Croweburg coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)

CROWN Conglomerate Member (Chisos Formation) (Big Bend Park Group) (Upper Cretaceous) (Texas) (W-38; K-66)

CRYPTOZOIC Eon (=Precambrian Era or Erathem) (USA) (W-38)

CRYSTAL FALLS Formation (Precambrian) (Michigan) (W-38; K-66)

CRYSTAL FALLS Limestone Member (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)

CRYSTAL FALLS Series (Precambrian) (Michigan) (W-38)

CRYSTAL MOUNTAIN Sandstone (Lower Ordovician) (Arkansas) (W-38; K-66; S-77)

CRYSTALLINE lime (upper Herington Limestone) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma Panhandle)

CUCHILLO Formation (Trinity Group) (Lower Cretaceous) (Texas) (W-38; K-66)

CUERO Formation (=Lagarto Clay) (Fleming Group) (Miocene) (Texas) (K-66)

CULBERSON sand (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

- CULBERSON Series (=Leonardian Series) (Permian) (Texas) (W-38; K-66)
- CULEBRA Dolomite Member (Rustler Formation) (Ochoan Series) (Permian) (Texas) (K-66)
- CULEBRA Formation (Miocene) (Panama) (W-38; K-66)
- CULP lime (=Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- CULP sand (above Confederate Limestone) (Hoxbar Group) (Missourian)(Pennsylvanian) (Oklahoma) (J-57)
- CULP-MELTON zone (Autry Limestone through Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- CUNDIFF Limestone Member (=Home Creek Limestone Member) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- CUNNINGHAM deep sand (Sample Sandstone) (Mississippian) (Indiana) (W-38)
- CUNNINGHAM Granite (Precambrian) (Georgia) (K-66)
- CUNNINGHAM sand (=Rod Club Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- CUNNINGHAM shallow sand (Cypress Sandstone) (Mississippian) (Indiana) (W-38)
- CUP CORAL Member (Glenn Formation) (Lower Deese Group; Pumpkin Creek to Otterville) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38)
- CURL Formation (=Coffeyville and upper Holdenville) (Skiatook and Marmaton Groups) (Missourian-Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CURRY Clay Member (=Craddock Clay Bed) (Obregon Member) (Harpersville Formation) (Cisco Group) (Gearyan-Virgilian) (Pennsylvanian) (Texas) (K-66)
- CURRY Formation (Gearyan) (Pennsylvanian) (Utah) (K-70)
- CURRY Iron Member (Vulcan Formation) (Precambrian) (Michigan) (W-38; K-66)
- CURZON Limestone Bed (=Pearsonia Limestone) (Topeka Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- CUSHING Formation (Casco By Group) (Carboniferous or below) (Maine) (W-38; K-66)
- CUSHING Limestone (=Red Eagle Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57; K-66)
- CUSTERIAN Series (Cretaceous) (South Dakota) (W-38; K-66)
- CUSTERIAN Series (=Guadalupian-Ochoan red beds) (Permian) (Oklahoma) (W-38; K-66; K-70)
- CUTOFF Shale Member (Leonard Formation) (Leonardian) (Permian) (Texas) (K-66)
- CUTTER Shale (Montoya Group) (Richmondian) (Cincinnati) (Upper Ordovician) (Texas) (K-66)
- CYGNIAN Substage (=Cabaniss and Marmaton Groups) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- CYRIL Gypsum Bed (=Moccasin Creek Bed and upper Weatherford Bed) (Cloud Chief Formation and Rush Springs Sandstone) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)

- D sand (Cadeville Tongue) (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (K-70)
- D zone (=Placid Shale) (Gaptank Formation) (Missourian) (Pennsylvanian) (Texas)
- D zone (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
- DAGGER FLAT Sandstone (Croixian) (Upper Cambrian) (Texas) (W-38; K-66)
- DAGGETT sand (see Doggett sand) (W-38; J-57)
- DAKOTA Group (Cretaceous) (USA) (W-38; K-66)
- DAKOTA Moraine (Pleistocene) (South Dakota) (W-38)
- DAKOTAN Series (Cretaceous) (Nebraska) (W-25; W-38)
- DALLAS Deposits (Pleistocene) (Iowa) (W-38; K-66)
- DALLAS Limestone (=Austin Group) (Cretaceous) (Texas) (W-38; K-66)
- DALLAS Limestone Member (Yamhill Formation) (Eocene) (Oregon) (K-66)
- DALMAR sand (Obregon Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38)
- DANIAN Stage (63-67 m.y.) (Paleocene Series) (Europe)
- DANLEY RANCH Tongue (Abo Sandstone) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) New Mexico) (K-66)
- DANVILLE coal member (Carbondale Formation) (Pennsylvanian) (Illinois) (K-66)
- DANVILLE coal member (Dugger Formation) (Pennsylvanian) (Indiana)
- DANVILLE Gneiss (Silurian) (Maine) (K-66)
- DANVILLE Stage (=lower Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- DANVILLE Till (Pleistocene) (Illinois) (K-70)
- DASHNER Limestone (=Hartford, Iowa Point, Curzon units of Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- DAUBE coal bed (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38)
- DAUBE Limestone(Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DAVENPORT lime (=Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- DAVENPORT Member (Dundas Formation) (Ordovician) (Toronto) (Canada) (W-38)
- DAVENPORT Member (Wapsipinicon Limestone) (Devonian) (Iowa) (W-38; K-66)
- DAVIDSON deep sand (Tar Springs Sandstone) (Mississippian) (Indiana) (W-38)
- DAVIDSON Granodiorite (Miocene ?) (Nevada) (K-66)
- DAVIDSON Granophyre (=Pratt Hill Quartzite) (Cambrian) (Oklahoma) (W-38; K-66)
- DAVIDSON shallow sand (Brazil Formation) (Pennsylvanian) (Indiana) (W-38)
- DAVIS coal member (Spoon Formation) (Pennsylvanian) (Kentucky) (K-66)
- DAVIS cyclothem (Tradewater Group) (Pennsylvanian) (Illinois) (K-66)
- DAVIS Formation (Elvins Group) (Franconian) (Croixian) (Upper Cambrian) (Missouri) (W-38; K-66)
- DAVIS Formation (Tradewater Group) (Pennsylvanian) (Illinois) (K-66)
- DAVIS oil and gas horizon (Glen Rose Formation) (Lower Cretaceous) (Louisiana) (W-38)
- DAVIS sand (=McFearin-Davis sand) (McFearin Tongue) (Terryville Sandstone Member) (Schuler Formation) (Cotton Valley Group) (Jurassic) (Louisiana) (K-70)

- DAVIS sand (=Hartshorne Formation) (above Bostwick Conglomerate) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-70)
- DAWKINS "4000" sand (Maroon Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- DAWSON A sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- DAWSON Arkose (Paleocene) (Colorado) (W-38; K-66; S-81)
- DAWSON B sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- DAWSON black shale member (=Nuyaka Creek Shale Member) (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- DAWSON coal bed (above Lenapah Limestone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- DAWSON GLACIAL lake deposit (Pleistocene) (Great Lakes Region) (W-38)
- DAWSON sand (Droop Sandstone Member) (Mauch Chunk Shale) (Mississippian) (West Virginia) (W-38)
- DAY CREEK Dolomite Bed (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- DEAN Formation (Greak Smoky Group) (Precambrian) (Georgia) (K-66)
- DEAN Sandstone (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66)
- DEANER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- DECIE Member (Duff Formation) (Oligocene and younger) (Texas) (K-66)
- DECIE RANCH Member (Skinner Ranch Formation) (Leonardian) (Permian) (Texas) (K-70)
- DECORAH Shale (Blackriveran) (Arkansas) (W-38; K-66; S-81)
- DEDERICK coal beds (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38)
- DEDERICK Subgroup (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- DEEP CREEK Andesite (Pliocene ?) (Washington) (K-66)
- DEEP CREEK Beds (=Deep River Beds) (Miocene) (Montana) (W-38; K-66)
- DEEP CREEK Conglomerate (Oligocene-Miocene) (California) (K-70)
- DEEP CREEK Division (San Saba Series) (=Gorman Formation) (Ellenburger Group) (Ordovician) (Texas) (W-38; K-66)
- DEEP CREEK Formation (Mississippian) (Idaho) (K-70)
- DEEP CREEK Sandstone Member (Mesaverde Formation) (Cretaceous) (Wyoming) (K-70)
- DEEP CREEK Tuff Member (John Day Formation) (Miocene) (Oregon) (K-70)
- DEER CANYON Member (Valles Rhyolite) (Pleistocene) (New Mexico) (origin of some of the Pearlette Ash) (L-81)
- DEER CREEK Formation (Pennsylvanian) (Colorado) (K-66)
- DEER CREEK Limestone Member (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DEER CREEK Quartzite (Precambrian) (Maryland) (W-38; K-66)
- DEER MOUNTAIN Member (Albee Formation) (Ordovician) (Maine) (L-81)
- DEER MOUNTAIN Shale (Hueco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)

DEER PARK Andesite (Quaternary) (Nevada) (K-70)
DEERPARKIAN Stage (Devonian) (New York) (K-66)
DEES Sand Member (Glen Rose Formation) (Lower Cretaceous) (Texas) (W-38)
DEESE Group (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
DEESE maroon shale (above Rocky Point Conglomerate through Camp Ground Sandstone)
(Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
DEESE maroon shale (Millsap Lake through Brazos River Formations) (Strawn Group)
(Desmoinesian) (Pennsylvanian) (Texas)
DEFIANCE Member (Joachim Dolomite) (Ordovician) (Missouri) (K-70)
DEFIANCE Moraine (Pleistocene) (Michigan) (W-38)
DEL CARMEN Limestone (Lower Cretaceous) (Texas) (K-70)
DEL NORTE Formation (Cretaceous) (Texas)
DEL RIO Clay (Upper Cretaceous) (Texas) (W-38; K-66)
DELAHO Formation (Miocene) (Texas) (L-81)
DeLANA lignite (above Blaydes sand) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
DELANEY Gravel (Pleistocene) (Texas) (K-66)
DELAWARE Flag Series (=Delaware River Flags) (Oneonta Sandstone) (Devonian)
(Pennsylvania) (W-38; K-66)
DELAWARE Flags (=Oneonta Sandstone) (Devonian) (Pennsylvanian) (W-38; K-66)
DELAWARE Formation (=Delaware Mountain Group) (Leonardian-Guadalupian) (Permian)
(Texas) (W-38)
DELAWARE Gravels (=Delaware River Gravels) (Pleistocene) (Delaware) (W-38; K-66)
DELAWARE Limestone (=Hopkinton Limestone) (Silurian) (Iowa) (W-38; K-66)
DELAWARE Limestone (Devonian) (Ohio) (W-38; K-66)
DELAWARE Sandstone (=Brushy Canyon Formation) (Delaware Mountain Group)
(Leonardian) (Permian) (Texas) (W-38)
DELAWARE CREEK Shale (=lower Caney or Mississippi Caney shale) (Chesterian)
(Mississippian) (Oklahoma) (K-66; C-76)
DELAWARE MOUNTAIN Group (Leonardian-Guadalupian) (Permian) (Texas) (W-38; K-66)
DELAWARE MOUNTAIN Sandstone (Brushy Canyon Formation) (Delaware Mountain Group)
(Leonardian) (Permian) (Texas) (W-38)
DeLEON Beds (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian)
(Pennsylvanian) (Texas) (K-66)
DELIGHT Sand (Cossatot Formation) (Trinity Group) (Lower Cretaceous) (Arkansas) (K-66;
L-91)
DELLVALE Ash Bed (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (K-66)
DELPHI Dolomite (=Mangum Dolomite Member) (Blaine Formation) (El Reno Group)
(Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
DELPHI Member (=Delphi Station Member) (Skaneateles Formation) (Devonian) (New York)
(W-38; K-66)
DELPHI Shale (=New Albany Shale) (Devonian) (Indiana) (W-38; K-66)

- DeNAY Limestone Bed (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DENAY Limestone (Devonian) (Nevada) (K-70)
- DENISON Formation (=Denton, Weno, Pawpaw, Main Street, and Grayson units) (Washita Group) (Lower to Upper Cretaceous) (Texas) (W-38; K-66)
- DENKMAN Sandstone Member (Norphlet Formation) (Upper Jurassic) (Louisiana) (K-70)
- DENNIS Limestone (=Hogshooter Limestone) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DENNIS BRIDGE Limestone Bed (Lazy Bend Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- DENSE lime (=Bromide dense lime) (Pooleville Member) (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (W-38; J-57)
- DENSE lime (basal San Andres Group) (Guadalupian) (Permian) (Texas) (J-57)
- DENT BRANCH Pyroclastics Lentil (Bonnetterre Dolomite) (Upper Cambrian) (Missouri) (L-81)
- DENTON Clay (Washita Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- DENTON Shale (Bokchito Formation) (Washita Group) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
- DeQUEEN Formation or Limestone (Trinity Group) (Lower Cretaceous) (Arkansas) (W-38; K-66)
- DERBY Dolomite (Elvins Group) (Franconian) (Croixian) (Upper Cambrian) (Missouri) (W-38; K-66)
- DERRYAN Series (Desmoinesian) (Pennsylvanian) (New Mexico) (K-66)
- DESDEMONA sand (Pennsylvanian) (Texas) (W-38)
- DESMOINESIAN granite wash (below Bartlesville sand) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (from Wichita Mountains)
- DESMOINESIAN Series (310-315 m.y.) (Middle Pennsylvanian) (Iowa) (W-38; K-66)
- DESSAU Chalk (Austin Group) (Upper Cretaceous) (Texas) (K-66)
- DETONTI Sand (Wilcox Group) (Paleocene) (Arkansas) (K-66)
- DETRICK Sand (Tyner Formation) (Simpson Group) (Ordovician) (Oklahoma) (W-38; J-57)
- DETRITAL lime (=Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- DETRITAL zone (basal Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma)
- DETRITAL zone (above Rocky Point Conglomerate) (=Lone Grove sand 10) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- DEVILS DEN Limestone Submember (Jasper Creek Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- DEVILS DEN Sandstone (Devonian-Mississippian) (Pennsylvania) (W-38; K-66)
- DEVILS KITCHEN Conglomerate (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DEVILS RIVER Limestone (Lower to Upper Cretaceous) (Texas) (W-38; K-66)
- DEVONIAN System (365-405 m.y.) (Paleozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- DEWEESVILLE Sandstone Member (Whitsett Formation) (Eocene) (Texas) (L-81)

DEWEY Limestone (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
DEWEY LAKE Formation (Ochoan) (Permian) (Texas) (K-66)
DEWEYVILLE Formation (Pleistocene-Holocene) (Texas) (K-70)
DEWITT Formation (Miocene-Pliocene) (Texas) (W-38; K-66)
DEXTER Formation (Maine) (K-70)
DEXTER Member (Woodbine Formation) (Upper Cretaceous) (Texas) (W-38; K-66)
DIABASE intrusives (in granite; gneiss) (Y Series) (Precambrian) (Arkansas)
DIABASE intrusives (Llano terrane) (Y Series) (Precambrian)(Texas)
DIABASE intrusives (Panhandle terrane) (Y Series) (Precambrian) (Texas)
DIABASE intrusives (Red River terrane) (Y Series) (Precambrian) (Texas)
DIABASE intrusives (in Tishomingo Granite) (Y Series) (Precambrian) (Oklahoma)
DIABASE intrusives (Trans-Pecos terrane) (Y Series) (Precambrian) (Texas)
DIABASE intrusives (Wichita Mountains Granite Group) (Cambrian) (Oklahoma)
DIABASE intrusives (Eagle Mills Formation) (Upper Triassic) (Arkansas; Louisiana; Texas)
DIABASE intrusives (Lower Jurassic) (Arkansas; Louisiana; Texas)
DIABASE intrusives (Upper Cretaceous) (Arkansas; Louisiana; Mississippi; Texas)
DIABOLO Sandstone (Precambrian) (Texas) (W-38; K-66)
DIAMOND Basalt or Formation (Pleistocene) (Oregon) (W-38; K-66)
DIAMOND blue limestone (Manlius Limestone) (Lower Devonian) (New York) (W-38)
DIAMOND sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
DIAMOND xenocrysts or Diamonds (1,100 m.y.) (Prairie Creek Lamproite) (Upper Cretaceous)
(Arkansas) (xenolith crystals; Y series; Precambrian)
DIBOLL Formation (=Caddell Formation) (Jackson Group) (Eocene) (Texas) (W-38; K-66)
DICKERSON Formation (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
DICKERSON Shale Bed (Rayville Member) (Kickapoo Creek Formation) (Strawn Group)
(Desmoinesian) (Pennsylvanian) (Texas)
DICKSON Sandstone Member (Savanna Formation) (Cherokee Group) (Desmoinesian)
(Pennsylvanian) (Oklahoma) (K-70)
DIDYMOGRAPTUS bifidus zone (middle West Spring Creek Formation) (Arbuckle Group)
(Lower Ordovician) (Oklahoma)
DIDYMOGRAPTUS protobifidus zone (middle West Spring Creek Formation) (Arbuckle
Group) (Lower Ordovician) (Oklahoma)
DIERKS Limestone Member (Cossatot Formation) (Trinity Group) (Lower Cretaceous)
(Arkansas) (W-38; K-66; L-91)
DILLARD Formation (Jurassic) (Oregon) (W-38; K-66)
DILLARD Limestone (=Clarita Formation) (Chimneyhill Subgroup) (Hunton Group) (Silurian)
(Oklahoma) (K-66)
DILLARD sand (Nowata Formation; lower Holdenville Formation) (Marmaton Group)
(Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
DILWORTH Sandstone Member (Whitsett or McElroy Formation) (Eocene) (Texas) (W-38; K-
66)
DILWORTH Sandstone Member (Manning Formation) (Eocene) (Texas) (W-38; K-66)

DIME BOX Member (Yegua Formation) (Eocene) (Texas) (K-66)
DIMPLE Limestone (Bend Group) (Morrowan) (Pennsylvanian) (Texas) (W-38; K-66)
DINOSAUR sand (=Trinity Group) (Lower Cretaceous) (Texas) (W-38)
DIORITE gneiss (1,500 m.y.) (Y Series) (Precambrian) (Arkansas)
DIORITE gneiss (Panhandle terrane) (Y Series) (Precambrian) (Texas)
DIORITE gneiss (Red River terrane) (Y Series) (Precambrian) (Texas)
DIORITE gneiss xenoliths (in Upper Cretaceous Oppello Breccia) (Y Series) (Precambrian) (Arkansas)
DIORITE intrusives (Llano terrane) (Y Series) (Precambrian) (Texas)
DIORITE intrusives (1,260 m.y.) (Panhandle terrane) (Precambrian) (Texas)
DIORITE intrusives (Red River terrane) (Y Series) (Precambrian) (Texas)
DIORITE intrusives (in Tishomingo Granite) (Y Series) (Precambrian) (Oklahoma)
DIRTY CREEK Sandstone Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
DIXIE oil horizon (Trinity Group) (Lower Cretaceous) (Louisiana) (W-38)
DIXIE sand (Goodland Limestone) (Cretaceous) (Texas) (W-38)
DIXIE sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38)
DIXIE Shale (Cretaceous) (Arizona) (W-38; K-66)
DIXON Formation (Wayne Group) (Silurian) (Tennessee) (W-38; K-66)
DIXON Formation (=Henshaw Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
DIXON Granite (Precambrian) (New Mexico) (K-66)
DIXON Limestone (=Dixon's Group; Crill Limestone; Greenhorn Limestone and Carlile Shale) (Upper Cretaceous) (Nebraska; Iowa) (W-38; K-66)
DIXON Sandstone (Oil Creek Formation) (Ordovician) (Oklahoma) (K-66)
DIXON Sandstone Member (Dixon Formation = Henshaw Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
DIXON Schist (Precambrian) (New York) (W-38; K-66)
DOBBS VALLEY Sandstone Member (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
DOCKUM Group (Upper Triassic) (Texas) (W-38; K-66)
DOCKUMAN Series (Upper Triassic) (Texas) (W-38)
DOCUMAN Series (Upper Triassic) (Texas) (W-38)
DODDS CREEK Sandstone Member (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
DODSON Member (Cook Mountain Formation) (Eocene) (Louisiana) (K-66)
DODSON pay (=Goen Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
DOE CREEK Sandstone Lentil (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (K-66)
DOE RUN Dolomite (Elvins Group) (Franconian) (Croixian) (Upper Cambrian) (Missouri) (W-38; K-66)
DOE RUN Limestone (=Cockeysville Marble) (Precambrian) (Pennsylvania) (W-38; K-66)

- DOG BEND Limestone Bed (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- DOG CANYON Limestone (=Goat Seep Limestone) (Guadalupian) (Permian) (New Mexico) (W-38; K-66)
- DOG CREEK Shale (El Reno Group) (Guadalupian) (Permian) (Kansas) (W-38; K-66)
- DOGGETT sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- DOLET HILLS Member (Logansport Formation) (Paleocene) (Louisiana) (K-66)
- DOLMAN lime (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57; K-70)
- DOMEBO Formation (Pleistocene) (Oklahoma) (K-70)
- DONEGAL Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- DONELEY Limestone Bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- DONIPHAN Shale Member (Lecompton Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- DORA Dolomite Member (Bluebell Dolomite) (=Sevy Formation ?) (Silurian) (Utah) (K-66)
- DORA sand (=lower Taft Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- DORCHEAT Member (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (K-66)
- DOREEN shallow pay (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- DORNICK HILLS Group (Morrowan-lower Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66; C-76)
- DOS ALAMOS Gypsum Member (Delaware Mountain Formation) (=Cutoff Shale Member) (Bone Spring Limestone) (Leonardian) (Permian) (Texas) (W-38; K-66)
- DOTHAN Formation (Jurassic) (Oregon) (W-38; K-66)
- DOTHAN Limestone (=Ibex Limestone Member) (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- DOTSON sand (=Rod Club Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- DOTSON Sandstone Member (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- DOTSON Sandstone Member (=McClure Sandstone Member) (Norton Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- DOTSON Shale (=Fayetteville Shale) (Mississippian) (Arkansas) (W-38; K-66)
- DOUBLE dolomite (=Moccasin Creek Bed) (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Oklahoma)
- DOUBLE LAKES Formation (Pleistocene) (Bend Arch, Texas) (L-86)
- DOUBLE MOUNTAIN Group (=El Reno, Whitehorse, Foss Groups) (Guadalupian-Ochoan) (Permian) (Texas) (W-38; K-66)
- DOUBLEHORN Shale Member (Houy Formation) (Upper Devonian-Lower Mississippian) (Texas) (K-66)

- DOUBLIAN Series (=El Reno, Whitehorse, Foss Groups) (Guadalupian-Ochoan Series) (Permian) (Texas) (W-38; K-66)
- DOUGH HILLS Member (Fleming Formation) (Miocene) (Louisiana) (K-66; S-81)
- DOUGLAS Amygdaloid Bed (Douglas Flow) (Precambrian) (Michigan) (W-38; K-66)
- DOUGLAS Flow (Precambrian) (Michigan) (W-38; K-66)
- DOUGLAS Group (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66; S-81)
- DOUGLAS Quartzite Member (Ellsworth Formation) (Ordovician-Silurian) (Maine) (K-70; S-81)
- DOUGLAS sands (=lower Elgin Sandstone) (below Heebner Shale) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- DOUGLAS Shale Member (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66; S-81)
- DOVER Clay (Pleistocene) (Missouri) (K-70)
- DOVER Limestone Bed (Stotler Limestone) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DOVER Shale (=Willard-Pillsbury Shale) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DOXEY Shale (Foss Group) (=Alibates, Tansill, Dewey Lake, Rustler, Castile, and Salado units) (Ochoan) (Permian) (Oklahoma) (W-38; K-66)
- DOYLE lime (=Daube and Anadarche Limestones) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- DOYLE Shale (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- DOZIER Sandstone Member (Rush Springs Sandstone) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- DOZIER MOUNDS Dolomite (=Dozier Sandstone Member) (Rush Springs Sandstone) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (K-66)
- Dr. BURT Beds (=Burt Ranch Bed ?) (Fort Lancaster Formation) (Cretaceous) (Texas)
- DRESBACHIAN Stage (Upper Cambrian) (Minnesota) (W-38; K-66)
- DRINKARD Sandstone Member (Yeso Formation) (Leonardian) (Permian) (Texas) (K-66)
- DRISCOLL sand member (Fayette Sandstone) (Eocene) (Texas) (W-38)
- DRISCOLL-SEVIER sand (Oligocene) (Texas) (K-66)
- DRUM Group (=Hogshooter, Nellie Bly, and Dewey units) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DRUM Limestone (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DRY Shale Member (Stotler Limestone) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- DRY BONE limestone (=Neva Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38)
- DRY CIMARRON Flow (Capulin Basalt) (Quaternary) (New Mexico) (K-66)
- DRY TANK Member (Boquillas Formation) (Upper Cretaceous) (Texas) (L-81)

- DRYWOOD coal bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- DRYWOOD Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- DU BOIS Limestone Member (Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- DUBOIS Greenstone (Precambrian) (Colorado) (W-38; K-66)
- DUBOSE Clay Member (Whitsett Formation) (Eocene) (Texas) (W-38; K-66)
- DUCK CREEK Formation (Caddo Formation; Georgetown Formation) (Washita Group) (Lower Cretaceous) (Texas; Oklahoma) (W-38; K-66)
- DUDLEY Limestone or Series (=Trenton Limestone) (Ordovician) (New York) (W-38; K-66)
- DUDLEY Shale (=Holdenville Shale and Pleasanton Group) (Desmoinesian-Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- DUFF Tuff (Buck Hill Group) (Green Valley Group) (Oligocene) (Texas) (K-66)
- DUFFER beds (Comyn Member) (Marble Falls Formation) (Bend Group) (Morrowan) (Pennsylvanian) (Texas)
- DUGOUT Beds (=Gaptank Formation) (Strawn-Canyon-Cisco Groups) (Desmoinesian-Missourian-Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)
- DUGOUT Clay (Miocene-Pliocene) (Texas) (W-38; K-66)
- DUGOUT MOUNTAIN Member (Skinner Ranch Formation) (Leonardian) (Permian) (Texas) (K-70)
- DUN Limestone (=Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (K-66)
- DUNCAN Chert (Mississippian) (California) (W-38; K-66)
- DUNCAN Formation or Series (Cretaceous ?; Precambrian ?) (British Columbia) (Canada) (W-38)
- DUNCAN Greenstone (Precambrian) (Ontario) (Canada) (W-38)
- DUNCAN Group (Miocene) (Arizona) (K-66)
- DUNCAN Sandstone (=Lone Wolf Sandstone; Cedar Hills Sandstone) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- DUNCHEE HILL Flow (Clayton Basalt) (Quaternary) (New Mexico) (K-66)
- DUNE sand (Holocene) (Arkansas; Oklahoma; Texas)
- DUNN A sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- DUNN B sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- DUNN C sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- DURANGO Group or Stage (Coahuila Series) (Lower Cretaceous) (Mexico) (K-70)
- DURANGO Sand (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- DURANGO Till (Pleistocene) (Colorado) (W-38; K-66)
- DURST Group (Pennsylvanian) (Utah) (K-66)
- DURST Silt (Pleistocene) (Texas) (K-66)
- DUTCHER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- DUTCHER sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- DUTCHTOWN Formation (Ordovician) (Arkansas) (K-66)

DYE Shale Member (=Limestone Gap Shale) (Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas) (K-70; C-76)
 DYER Dolomite (Chaffee Group) (Devonian or Mississippian) (Colorado) (W-38; K-66)
 DYER Sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
 DYKEMAN lime (below Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
 DYKEMAN sand (below Dykeman lime) (above Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

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E sand (Justiss Tongue) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
 E zone (=Ranger Limestone) (Gaptank Formation) (Missourian) (Pennsylvanian) (Texas)
 E zone (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
 EAGLE Bed (Cretaceous) (Texas) (W-38; K-66)
 EAGLE coal bed (Eagle Shale Member) (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
 EAGLE Diorite (Cretaceous) (British Columbia) (Canada) (W-38)
 EAGLE Dolomite (=Fish Haven Dolomite) (Ordovician) (Utah)(K-66)
 EAGLE Evaporite (=Eagle Valley Evaporite) (Permian) (Colorado) (K-70)
 EAGLE Granodiorite (Jurassic) (British Columbia) (Canada) (W-38)
 EAGLE Greenschist (Easton Group) (Paleocene or older) (Washington) (K-66)
 EAGLE Limestone Bed (Eagle Shale Member) (Kanawha Formation) (Pennsylvanian) (West Virginia)(W-38; K-66)
 EAGLE sand (Pierre Shale) (Cretaceous) (Montana)(W-38)
 EAGLE Sandstone (Montana Group) (Cretaceous) (Montana) (W-38; K-66)
 EAGLE Sandstone Member (Kanawha Formation)(Pennsylvanian) (West Virginia) (W-38; K-66)
 EAGLE Shale Member (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
 EAGLE A coal bed (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
 EAGLE FLATS Formation (Quaternary) (Texas) (K-66)
 EAGLE FORD Group or Stage (Upper Cretaceous) (Texas) (W-38; K-66; K-70)
 EAGLE MILLS Formation (Upper Triassic) (Arkansas) (K-66)
 EAGLE MOUNTAIN Member (Paluxy Sandstone) (Lower Cretaceous) (Texas) (L-86)
 EAGLE MOUNTAIN Shale Member (Carrara Formation) (Lower Cambrian) (California) (L-86)
 EAGLE MOUNTAINS Sandstone Member (Grayson Marl) (Upper Cretaceous) (Texas) (K-66)
 EAGLE PASS Formation (=Upson, San Miguel, Olmos, and Escondido units) (Upper Cretaceous) (Texas) (W-38; K-66)
 EAGLE PEAK Syenite (Tertiary) (Texas) (K-66)
 EARLSBORO sand (=lower Taft Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

EARNEST sand (Pennsylvanian) (Texas) (W-38)
EASON sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
EAST MOUNTAIN Schist (Precambrian) (Vermont) (W-38; K-66)
EAST MOUNTAIN Shale Member (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
EASTERWOOD Shale Member (Yegua Formation) (Claiborne Group) (Eocene) (Texas) (K-66)
EASTLAND Formation (=Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
EASTLAND Limestone Member (=Home Creek Limestone Member) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
EASTLAND Sandstone member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
EASTLAND Shale (Whitewell Shale) (Pennsylvanian) (Tennessee) (W-38; K-66)
EASTLAND LAKE Formation (=Smithwick Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
EATON Beds (=Springfield Limestone) (Silurian) (Ohio) (W-38; K-66)
EATON Greensand Lentil (Stone City Formation) (Eocene) (Texas) (W-38; K-66)
EATON Sandstone (=Ionia Sandstone ?) (Grand River Group) (Pennsylvanian) (Michigan) (K-66)
EBERT sand (Soldier Creek Shale Member) (Bern Limestone) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
ECTOR Tongue (Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)
EDDLEMAN coal (below Speck Mountain Limestone) (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvania) (Texas)
EDEN Lower Penn pay (=Capps Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
EDEN Strawn pay (=Santo Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
EDEN West Goen pay (=Santo Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
EDENIAN Stage (Cincinnatian Series) (Upper Ordovician) (Ohio) (W-38; K-66)
EDENS sand (Taylor or Navarro Group) (Upper Cretaceous) (Texas) (W-38)
EDSON Beds (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (W-38; K-66)
EDWARDS Group or Limestone (Lower Cretaceous) (Texas) (W-38; K-66)
EDWARDS sand (below Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
EDWARDS Sand (above Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
EIFELIAN Series (387-390 m.y.) (Middle Devonian) (Europe)
1800-foot sand (=Ryan Sandstone Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma)

- EINSTEIN Sandstone (or Einstine) (Chanute Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- EISS Limestone member (Bader Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- EL CAJETE Flow (Valles Rhyolite) (Pleistocene) (New Mexico) (K-70)
- EL CAPITAN Granite (Cretaceous) (California) (W-38; K-66)
- EL CAPITAN Limestone (=Capitan Limestone) (Guadalupian-Ochoan) (Permian) (Texas) (W-38)
- EL PASO Group (=Ellenburger Group) (Canadian) (Lower Ordovician) (Texas) (W-38; K-66; C-76)
- EL PICACHO Formation (Cretaceous) (Texas) (L-81)
- EL PICO Clay (Eocene) (Texas) (L-81)
- EL RENO Group (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- ELDORADO Gneiss (Cretaceous) (Washington) (K-70)
- ELDORADO Granodiorite (Cretaceous) (British Columbia) (Canada) (W-38)
- ELDORADO Limestone (Cambrian) Nevada) (W-38; K-66)
- ELDORADO sand (Annona Chalk or Pecan Gap Chalk) (Upper Cretaceous) (Texas) (W-38)
- ELEVENTH STREET Limestone Member (basal Nowata Formation) (=lower Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- ELGIN Limestone Member (Maquoketa Formation) (Ordovician) (Iowa) (W-38; K-66)
- ELGIN Sandstone Lentil (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ELK CITY Sandstone (Ochoan) (Permian) (Oklahoma) (W-38; K-66)
- ELK CREEK Basalt Member (Lamar River or Sepulcher Formation) (Eocene) (Wyoming) (K-66)
- ELK CREEK Beds (Cheyenne Sandstone) (Lower Cretaceous) (Kansas) (W-38; K-66)
- ELK CREEK Gabbro (Jurassic-Cretaceous) (California) (K-66)
- ELK CREEK Till (Pleistocene) (Nebraska) (K-70)
- ELK FALLS Limestone (=Lecompton through Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- ELLENBURGER Group (Canadian) (Lower Ordovician) (Texas) (W-38; K-66)
- ELLIOTT CREEK Bed (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- ELLSWORTH Formation (Dakota Group) (Cretaceous) (Kansas) (K-66)
- ELLSWORTH Schist (Cambrian-Ordovician) (Maine) (W-38; K-66)
- ELLSWORTH Shale (Devonian-Mississippian) (Michigan) (W-38; K-66)
- ELM CREEK Limestone (=Ranger Limestone Member) (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- ELM CREEK Limestone Bed (McCurtain Shale Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ELM CREEK Member (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

- ELM CREEK Silt (Pleistocene) (Texas) (K-66)
- ELMDALE Shale (lower Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- ELMO coal bed (Cedar Vale Shale Member) (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- ELMO Limestone Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- ELMONT Limestone Member (Emporia Limestone) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ELSEY Formation (=Grand Falls Chert) (Boone Group) (Osagean) (Mississippian) (Oklahoma) (K-70)
- ELSTONE Limestone Lentil (Pisgah Member) (Kincaid Formation) (Eocene) (Texas) (W-38; K-66)
- ELVINS Group (Davis; Derby-Doe Run Formations) (Franconian) (Croixian) (Upper Cambrian) (Arkansas)(W-38; K-66)
- EMANUEL Dolomite Bed (=upper Relay Creek) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- EMBAYMENT Megagroup (Mesozoic-Tertiary) (Arkansas) (K-70)
- EMINENCE Dolomite (Trempealeuan) (Croixian) (Upper Cambrian) (Arkansas) (W-38; K-66)
- EMPIRE-COMANCHE sand (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma)
- EMPORIA Blue Limestone (=Reading Limestone Member) (Emporia Limestone) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- EMPORIA Limestone (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- EMPORIA RESERVOIR Shale (=Willard-Pillsbury Shale, Stotler Limestone, Root Shale, and Wood Siding Formation) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- EMSIAN Series (390-395 m.y.) (Lower Devonian) (Europe)
- ENCRINITAL limestone (=Boone Group) (Mississippian) (Oklahoma)(W-38)
- ENDICOTT Diorite (White Mountain Group) (Devonian or Carboniferous) (New Hampshire) (W-38; K-66)
- ENDICOTT Group (Devonian-Mississippian) (Alaska) (K-70)
- ENDICOTT sand (Elgin Sandstone Lentil) (Heebner Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- ENGLEVALE Sandstone Member (Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ENID Formation (=Wellington through Flowerpot Shale) (Leonardian, Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- ENSCORE sand (=Inscore sand) (J-57)
- ENTERPRISE Sandstone (=Bluejacket Sandstone Member) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)

- ENTERPRISE Shale (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)
(Oklahoma) (W-38; K-66)
- ENTRADA Sandstone (=Exter Sandstone and Sheep Pen Sandstone) (Jurassic-Triassic)
(Oklahoma) (W-38;K-66)
- EOBIOTIC Era or Erathem (Precambrian) (USA) (W-25; W-38)
- EOCENE Series (38-55 m.y.) (Tertiary System) (Europe) (W-25; W-38; L-86)
- EOLIAN Limestone Member (=Stockwether Limestone Member) (Pueblo Formation) (Cisco
Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- EOLIAN Limestone (=Stockbridge Limestone) (Cambrian-Ordovician) (Vermont) (W-38; K-66)
- EOZOIC Era or Erathem (Precambrian) (Lake Superior Region) (Minnesota) (W-25; W-38)
- EPIDOTE-TREMOLITE schist (Stewart Ranch Complex) (Trans-pecos terrane) (Y Series)
(Precambrian) (Texas)
- EPPENAUER RANCH Basalt (Tertiary) (Texas) (L-81)
- EQUUS Beds (=Equus Zone) (Pleistocene) (Texas) (W-38)
- EQUUS Beds (=Tule Formation) (Pleistocene) (Texas) (W-38)
- EQUUS Beds (=McPherson Formation) (Pleistocene) (Kansas) (W-38)
- EQUUS Beds (=Rock Creek Beds or Tule Formation) (Pleistocene) (Texas) (W-38)
- EQUUS Beds or Zone (=Sheridan Formation) (Pleistocene) (Nebraska) (W-38)
- ERAM coal bed (-Tebo coal) (Senora Formation)(Cherokee Group) (Desmoinesian)
(Pennsylvanian) (Oklahoma) (W-38; K-66)
- ERLATH COUNTY basement rocks (Red River terrane) (Y Series) (Precambrian) (Texas)
- ERIAN Series (385-390 m.y.) (Middle Devonian) (New York) (W-38; K-66)
- ERNA Sandstone Lentil (Point Peak Member) (Wilberns Formation) (Moore Hollow Group)
(Cambrian) (Texas) (K-66)
- ERNST Member (Boquillas Formation) (Upper Cretaceous) (Texas) (K-70)
- ERVINE CREEK Limestone Bed (Deer Creek Limestone Member) (Pawhuska Formation) (Ada
Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ESCONDIDO Formation (Navarro Group)(Upper Cretaceous) (Texas) (W-38; K-66)
- ESCONDIDO Formation (=Vasquez Formation)(Miocene)(California) (W-38; K-66)
- ESKOTA Beds (=Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- ESKOTA Gypsum Member (=Relay Creek and Emanuel Beds) (Marlow Formation)
(Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- ESKRIDGE Shale (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)
(Oklahoma) (W-38; K-66)
- ESPEY CREEK Limestone Member (Chappel Limestone) (Kinderhookian-Osagean)
(Mississippian) (Texas)(K-66)
- ESPY Formation (Cretaceous) (Texas) (K-66)
- ESPY Tongue (Steel Shale) (Cretaceous) (Wyoming) (K-70)
- ETHOLEN Formation (Cretaceous) (Texas) (K-66)
- EUDORA Limestone (=Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian)
(Kansas) (K-66)

EUDORA Shale Member (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
 EULESS Member (=Red Branch Member) (Woodbine Formation) (Upper Cretaceous) (Texas)(K-66)
 EUREKA Basalt (Montana) (W-38)
 EUREKA Beds (=Topeka through Burlingame Limestones) (Shawnee-Wabaunsee Groups) (Gearyan-Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
 EUREKA coal bed (=Weir-Pittsburg coal ?) (Senoar Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38)
 EUREKA fire clay (below Tebo coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38)
 EUREKA Limestone (=Burlingame Limestone Member) (Bern Limestone) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
 EUREKA Limestone (=Mammoth Limestone) (Cambrian-Ordovician) (Utah) (W-38; K-66)
 EUREKA Quartzite (Ordovician) (Nevada) (W-38; K-66)
 EUREKA Shale (=Noel Shale) (Chattanooga Group) (Devonian-Mississippian) (Arkansas) (W-38; K-66)
 EUREKA Tuff (Silverton Volcanic Suite) (Tertiary) (Colorado) (W-38; K-66)
 EUTAW Group (Upper Cretaceous) (Mississippi) (W-38; K-66; S-81)
 EVANSVILLE Sandstone Bed (Iconium Shale Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
 EVERTON Formation (Whiterockian) (Ordovician) (Arkansas) (W-38; K-66)
 EXCELLO Shale Member (Wetumka Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
 EXETER Diorite (Devonian) (New Hampshire) (W-38; K-66)
 EXETER Sandstone (should be Exter Sandstone) (Jurassic) (New Mexico) (W-38; K-66)
 EXETER Syenite (=Exeter Diorite) (Devonian) (New Hampshire) (W-38)
 EXHIBIT Sandstone Member (Hannold Hill Formation) (Eocene) (Texas) (K-70)
 EXLINE cyclothem (McLeansboro Group) (Pennsylvanian) (Iowa) (K-66)
 EXLINE Limestone Bed (=Coffeyville Limestone) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)
 EXOZYRA arietina clay (=Del Rio Clay) (Upper Cretaceous) (Texas) (W-38)
 EXOZYRA ponderosa marl (=Brownstown, Ozan, and Taylor units) (Texas) (W-38)
 EXOZYRA texana clay (=Walnut Clay) (Lower Cretaceous) (Texas) (W-38)
 EXTER Sandstone (correct spelling of Exeter)(Jurassic) (New Mexico) (W-38)

F

F zone (Gaptank formation) (=Home Creek Limestone and Kissinger sand) (Canyon-Cisco Groups) (Missourian-Virgilian) (Pennsylvanian) (Texas)
 F zone (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)

- F and H Cisco pay (Gunsight Limestone Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- FAIRBURY Trachyte (Garren Volcanic Suite) (Oligocene) (Texas) (K-66)
- FAIRMONT Moraine (Pleistocene) (Minnesota) (W-38)
- FAIRMONT Shale (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- FAIRPORT Chalk Member (Carlile Shale) (Colorado Group) (Upper Cretaceous) (Kansas) (W-38; K-66)
- FAITH Chert Member (Tenmile Creek Formation) (Stanley Group) (Chesterian) (Mississippian) (Oklahoma) (L-91)
- FALCON Granite Gneiss (Precambrian) (Colorado)(K-66)
- FALCON Sandstone Member (Cook Mountain Formation) (Eocene) (Texas) (K-66)
- FALCON Tongue (Minnekahta Limestone Member) (Lykins Formation) (Colorado) (K-66)
- FALL RIVER Sandstone (Dakota Group) (Cretaceous) (South Dakota) (W-38; K-66)
- FALL RIVER Sandstone (=Tonganoxie Sandstone Member) (Stranger Formation) (Douglas Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- FALLIS Sandstone Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- FALLS Formation (=McLish Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; K-66)
- FALLS Sandstone Member (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38)
- FALLS CITY Formation (Wilcox Group) (Paleocene) (Texas) (K-70)
- FALLS CITY Limestone (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)(Kansas) (W-38; K-66)
- FALLS CITY Shale (=Conquista Clay Member) (McElroy Formation) (Jackson Group) (Eocene) (Texas) (W-38; K-66)
- FALLS CREEK Formation (=McLish Formation) (Whiterockian) (Ordovician) (Oklahoma) (W-38; K-66)
- FALLS CREEK Gneiss (North Snowy Metamorphic Suite) (Precambrian) (Montana)(L-81)
- FALSE MAYES zone (=Delaware Creek Shale) (Kinderhookian-Chesterian) (Mississippian) (Oklahoma) (J-57)
- FALSE TUSSY lime (lower Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FAMBRO Sandstone Bed (Posidon Shale Member) (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (K-70)
- FAMENNIAN Series (365-380 m.y.) (Upper Devonian) (Europe)
- FANGLOMERATE (Pleistocene) (Texas)
- FANSHAWE sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FANT Andesite (Jurassic) (California) (W-38; K-66)
- FANT Tuff Member (Catahoula Tuff) (Miocene) (Texas)(W-38; K-66)
- FARIAS beds (Cretaceous) (Texas)(W-38)
- FARLEY Limestone Member (Wyandotte Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- FARMERSVILLE Member (Pecan Gap Formation) (Upper Cretaceous) (Texas) (L-91)

FASHING Clay Member (Whitsett Formation) (Eocene) (Texas) (W-38; K-66)
FAVORS sand (Red Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
FAYETTE Breccia (Devonian) (Iowa) (W-38; K-66)
FAYETTE gas sand (Pottsville Group) (Pennsylvanian)(Alabama) (W-38)
FAYETTE Limestone Member (Flagstaff Formation) (Paleocene) (Utah) (K-66)
FAYETTE Sandstone (=Nutall Sandstone Member) (Sewell Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
FAYETTE Sandstone (Jackson Group) (Eocene) (Texas) (W-38; K-66)
FAYETTE Till (Pleistocene) (Indiana) (K-70)
FAYETTEVILLE Phyllite (Sylacauga Marble Group) (Cambrian) (Alabama) (L-91)
FAYETTEVILLE Shale (Chesterian) (Mississippian) (Arkansas) (W-38; K-66)
FEAZEL Sand (Schuler Formation)(Cotton Valley Group) (Jurassic) (Louisiana) (K-70)
FELDT RANCH Beds (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Nebraska) (K-66)
FELSITE dikes (1,180-1,280 m.y.) (Panhandle terrane) (Y Series) (Precambrian) (Texas)
FELSITE dikes (Llano terrane) (Y Series) (Precambrian) (Texas)
FELSITE dikes (Red River terrane) (Y Series) (Precambrian) (Texas)
FENCEPOST Limestone Bed (=Downs Limestone Bed) (Pfeifer Shale Member)(Greenhorn Limestone) (Upper Cretaceous) (Kansas) (W-38; K-66)
FERGUSON Gypsum Member (=Medicine Lodge Gypsum Member) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
FERGUSON Sandstone Member (Parkman Formation) (Cretaceous) (Wyoming) (K-70)
FERN GLEN Limestone (basal Osagean) (Mississippian) (Missouri) (W-38; K-66; S-81)
FERNANDAN System (=Llano Supersuite) (Precambrian) (Texas) (W-38; K-66)
FERNVALE Limestone (=Welling Formation) (Viola Group) (Edenian) (Cincinnatian) (Upper Ordovician) (Tennessee) (W-38; J-57; K-66)
FERNVALE-VIOLA lime (=Welling Formation) (Viola Group) (Edenian) (Cincinnatian) (Upper Ordovician) (Oklahoma) (J-57)
FERRIS Formation (Paleocene; Cretaceous) (Wyoming) (W-38; K-66)
FERRIS pay (above Ricker Station Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
FERRY LAKE Anhydride (Trinity Group) (Lower Cretaceous) (Arkansas) (K-66)
FIELDS sand (Atoka Formation; Cromwell sand) (Desmoinesian; Morrowan)(Pennsylvanian) (Oklahoma) (W-38; J-57)
5th DEESE sand (below Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
5th FRANCIS lime (=middle Seminole sand) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
FINCHER sand (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
FINGERLAKESIAN or FINGER LAKES Stage (Senecan Series) (Upper Devonian) (New York) (K-66)

- FINIS Shale (=Bluff Creek Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- FINLAY Limestone (Sixshooter Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- FIRST anhydrite bed (=Milan Limestone Bed) (Iconium Shale Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma)
- FIRST lime (=Fusulinid lime) (above Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- FIRST Oolitic lime (=Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST Oolitic lime (=Checkerboard Limestone Member) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST Oolitic lime (=Homer School Limestone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FIRST Oolitic lime (=lower Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- FIRST Oolitic lime (=Tulsa Sandstone Member) (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST Oolitic sand (=Tulsa Sandstone Member) (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST Oolitic zone (=Checkerboard Limestone Member) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- FIRST BOOCH sand (Little Cabin Sandstone Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST BROMIDE sand (upper basal sandstone of Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- FIRST CHECKERBOARD lime (=DeNay Limestone Member) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- FIRST CROMWELL sand (upper Braggs Member) (Sausbee Formation) (Morrowan) (Pennsylvanian) (Oklahoma)
- FIRST DEESE sand (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FIRST DEESE sand (=basal Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FIRST DORNICK HILLS lime (=Pumpkin Creek Limestone) (=Sadler lime) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- FIRST DORNICK HILLS sand (below Sadler lime) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- FIRST FIELDS sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST FRANCIS lime (=Hogshooter Limestone) (Francis Shale) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- FIRST HEWITT lime (=lower Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

- FIRST HOY sand (Blue Springs Shale Member) (Matfield Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- FIRST MEGARGEL sand (below Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- FIRST PRESTON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST ROWE sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- FIRST STREET Terrace (Pleistocene) (Texas) (K-66)
- FIRST WILCOX sand (upper part of basal sandstone of Mountain Lake Member) (Bromide Formation) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- FIRST WILCOX sand at Seminole (=Seminole sand) (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma)
- FISK Formation (=Wildcat Creek Shale and Overall Limestone) (Admiral Formation) (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66)
- FITE Limestone (=Pooleville Limestone) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (W-38; K-66)
- FITTSTOWN Member (Bois d'Arc Formation) (Hunton Group) (Lower Devonian) (Oklahoma) (K-66)
- FITZHUGH Member (Clarita Formation) (Chimneyhill Subgroup) (Hunton Group) (Middle Silurian) (Oklahoma) (K-70)
- FITZHUGH sands (Frontier Formation) (Cretaceous) (Wyoming) (W-38)
- FIVE POINT Limestone Member (Admire Formation) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- FIZZLE FLAT Lentil (Terlingua Group) (Upper Cretaceous) (Texas) (K-66)
- FLAG HILL member (Fusselman Dolomite) (Silurian) (Texas) (K-70)
- FLAT TOP Granite (=Reformatory Granite) (Cambrian) (Oklahoma) (K-66)
- FLAT-TOP Limestone (Devonian or Mississippian) (Colorado) (W-38; K-66)
- FLAT-TOP Sandstone Member (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- FLATTOP Andesite (Oligocene) (Arizona) (K-70)
- FLATTOP sand (=Rod Club Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- FLATTOP Schist (Precambrian) (North Carolina) (W-38; K-66)
- FLEMING coal bed (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- FLEMING Formation (between Croweburg and Mineral coals) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- FLEMING Formation (Miocene) (Texas) (W-38; K-66)
- FLEMING Limestone Member (below Fleming coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- FLETCHER Anhydrite Member (Salado Formation) (Ochoan) (Permian) (Texas) (K-66)
- FLINT HILL Sandstone Bed (Little Osage Shale Member) (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)

FLINT HILLS Division (=Cottonwood Limestone through Herington Limestone) (upper Council Grove through Chase Groups) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (S-38; K-66)

FLIPPEN lime (middle Waldrip Limestone Member) (Harpersville Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)

FLIPPEN sand (above Waldrip Limestone Member) (Harpersville Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-lower Permian ?) (Texas)

FLORENA Shale Member (Beattie Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

FLORENCE Dolomite (Cambrian) (Vermont) (K-66)

FLORENCE Flint (=Florence Limestone Member) (Barneston Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38)

FLORENCE Gravel (Pleistocene) (Illinois) (W-38; K-66)

FLORENCE Limestone Member (Barneston Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)(Oklahoma) (W-38; K-66)

FLORIDA Formation (=Florida Mountains Formation) (El Paso Group) (Ordovician) (Texas) (K-70)

FLORIDA Gravel (Pleistocene) (Colorado) (W-38; K-66)

FLORIDA MOUNTAINS Formation (=Florida Formation) (El Paso Group) (Ordovician) (Texas) (L-81)

FLOUR BLUFF sand (Oligocene) (Texas) (K-66)

FLOWERPOT salt (Flowerpot Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)

FLOWERPOT Shale (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)

FLOYD Formation, Shale (Chesterian) (Mississippian) (Alabama) (W-38; K-66; S-81)

FLOYD Limestone (Upper Devonian) (Iowa) (W-38; K-66)

FOLEY Formation (Pliocene) (Louisiana) (K-66)

FOLEY Stage (Pliocene) (Louisiana) (K-70)

FONTANA Shale Member (Cherryvale Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (K-66)

FORAKER Limestone (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

FORD Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (L-91)

FOREST CITY Limestone (=DuBois Limestone Member) (Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

FOREST CITY sand rock (=Turner Creek Shale member) (Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

FORK MOUNTAIN Slate (=lower Stanley Group) (Mississippian) (Arkansas) (W-38; K-66)

FORT BENTON Group (=Benton Group) (Cretaceous) (Montana) (W-38; K-66)

FORT DAVIS Ignimbrite (Tertiary) (Texas)

FORT HANCOCK Formation (Santa Fe Group) (Pliocene) (Texas) (K-70)

FORT LANCASTER Formation (Lower to Upper Cretaceous) (Texas) (L-81)

FORT PAYNE Chert (Osagean) (Mississippian) (Mississippi) (W-38; K-66; S-80; S-81)

FORT PENA Formation (Whiterockian) (Ordovician) (Texas) (W-38; K-66)

- FORT RILEY Limestone Member (Barneston Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- FORT SCOTT cement rock (=Blackjack Creek Limestone Member) (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38)
- FORT SCOTT coal bed (=Iron Post coal) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FORT SCOTT coal series (Bevier coal through Fort Scott Limestone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
- FORT SCOTT flagstones (=Englevale Sandstone Member)(Labette Shale) (Marmaton Group)(Desmoinesian) (Pennsylvanian) (Kansas) (W-38)
- FORT SCOTT Limestone (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- FORT SCOTT Marble (=Verdigris Limestone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
- FORT SCOTT marble series (=Senora Formation, Croweburg coal to Bevier coal) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
- FORT SILL Limestone (Arbuckle Group) (Franconian) (Croixian) (Oklahoma) (W-38; K-66)
- FORT SILL sand (=upper Garber Sandstone) (Leonardian) (Permian) (Oklahoma) (J-57)
- FORT SILL Series (=upper Garber Sandstone) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- FORT SMITH Formation (=lower Savanna and middle to upper McAlester) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- FORT TERRETT Formation (Lower Cretaceous) (Texas) (L-81)
- FORT WALLACE Ash Bed (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (K-66)
- FORT WORTH Limestone (Lower Cretaceous) (Texas) (W-38; K-66)
- FORTUNA sand (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (W-38; J-57)
- FORTY-NINER Member (Rustler Formation) (Ochoan) (Permian) (New Mexico) (K-70)
- FOSS GROUP (Custerian Series) (=upper Guadalupian-lower Ochoan Series) (Permian) (Oklahoma) (L-86)
- FOSTER Formation (Ordovician) (Michigan) (L-91)
- FOSTER sand (Gray Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- FOSTER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FOUR A or 4A pay lime (Crystal Falls Limestone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- FOUR FINGER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FOUR HUNDRED-FOOT or 400-FOOT sand (middle Wellington Formation) (Leonardian) (Permian) (Oklahoma)
- FOURCHITE dikes (Upper Cretaceous) (Arkansas)
- FOURMILE Gneiss (Ordovician) (Massachusetts) (L-81)
- FOURMILE Limestone Member (=Threemile Limestone Member) (Wreford Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- FOURMILE Sandstone (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

- FOURMILE DRAW Member (San Andres Formation) (Guadalupian) (Permian) (New Mexico) (L-81)
- FOURTH or 4th DEESE sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FOURTH or 4th FRANCIS lime (=DeNay Limestone Bed) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- FOURTH or 4th HEWITT sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- FOURTH or 4th ROWE sand (above Bunger Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- FOX BUSH sand (=Bluejacket Sandstone Member) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38)
- FOX FORD Bed (above Thurber coal) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- FRAME Member (Wristen Formation) (Upper Silurian) (Texas) (L-86)
- FRANCIS sand (lower Francis Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- FRANCIS Shale (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- FRANCONIAN Stage (Upper Cambrian) (Minnesota) (W-38; K-66)
- FRANKLIN MOUNTAINS Rhyolite (=Thunderbird Group) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (L-91)
- FRANKS Conglomerate (Cherokee through Vamoosa Groups) (Desmoinesian-lower Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- FRASER glauconitic shale or glauconite zone (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- FRASER Substage (Pleistocene) (British Columbia) (Canada) (K-70)
- FRASNIAN Series (380-385 m.y.) (Upper Devonian) (Europe)
- FRAZIER lime (Crystal Falls Limestone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- FREDERICKSBURG freestone (=Aquia Creek freestone and Rappahannock freestone) (Potomoc Group) (Cretaceous) (Virginia) (W-38)
- FREDERICKSBURG Gneiss (=Baltimore Gneiss ?) (Precambrian) (Virginia) (W-38; K-66)
- FREDERICKSBURG Granite (Precambrian) (Virginia) (W-38; K-66)
- FREDERICKSBURG Group or Stage (Lower Cretaceous) (Texas) (W-38; K-66; K-70)
- FREDERICKSBURG Sandstone (=Patuxent Formation in part) (Cretaceous) (Virginia) (W-38; K-66)
- FREEMAN sand (=lower Freeman sand) (Necessity Shale) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
- FREIBURG sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- FRENCH CREEK Limestone Member (Meadville Shale) (Allegheny Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- FRENCH CREEK Shale Member (Root Shale) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)

FRENCH MILLS Felsite (Van East Group) (Precambrian) (Missouri) (K-70)

FRENCK Shale (=Dry Shale, Grandhaven Limestone, and Friedrich Shale) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas)(W-38; K-66)

FRENSLEY Limestone (Big Branch Formation) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57; K-66)

FRENSLEY sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)

FRESNO Formation (Bofecillos Group) (Oligocene or younger) (Texas) (K-70)

FRIEDRICH Shale Member (Root Shale) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)

FRIENDSHIP Chert Member (Tenmile Creek Formation) (Stanley Group) (Meramecian) (Mississippian) (Oklahoma) (L-91)

FRIJOLE Limestone Member (=Lamar Limestone) (Delaware Mountain Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)

FRIJOLE Shale (Delaware Mountain Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)

FRIO Clay (Oligocene) (Texas) (W-38; K-66)

FRIO Formation (=Van Vleck sands) (Oligocene) (Texas) (K-66)

FRIO Stage (Oligocene) (Texas) (K-66)

FRISBIE Limestone Member (Wyandotte Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

FRISCO Formation (Hunton Group) (Lower Devonian) (Oklahoma) (W-38; J-57; K-66)

FRY or FRYE sand (Salt Creek Bend Shale Member) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38)

FRY or FRYE sands (=Brazos River Sandstone to Capps Limestone) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

FULDA Limestone Bed (Lead Creek Member) (Mansfield Formation) (Pottsville Group) (Pennsylvanian) (Indiana) (K-66)

FULDA Sandstone Member (Clyde Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

FULLERTON Formation (Pleistocene) (Kansas) (W-38; K-66)

FULLINGTON Shale Member (Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)

FULTON Loam (Pleistocene) (Kentucky) (W-38)

FULTON sand (=Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

FULTON Shale (Monongohela Group) (Pennsylvanian) (West Virginia) (W-38; K-66)

FULTON Shale Bed (Economy Member) (Eden Formation) (Covington Group) (Ordovician)(Ohio) (W-38; K-66)

FUNK sand (Above Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

FUNSTON Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

FURNACE CREEK Formation (Pliocene) (California) (K-66)

FURNACE CREEK Gneiss (Precambrian) (Pennsylvania) (K-66)

FURNACE CREEK Volcanics (Cambrian) (Missouri) (K-70)
 FUSSELMAN Dolomite (Lower to Middle Silurian) (Texas) (W-38; K-66)
 FUSULINA sand zone (below Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
 FUSULINA sands (Rocky Point Conglomerate to Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
 FUSULINID lime or limestone (=Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
 FUSULINID sand (=Arnold Limestone and sand above) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

G

G zone (=North Leon Limestone) (Gaptank Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
 G zone (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
 G zone (troctolite) (Glen Mountains Layered Complex) (Precambrian or Middle Cambrian) (Oklahoma)
 GABBRO dikes (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
 GABBRO sills and dikes (Raggedy Mountain Gabbro Group) (Precambrian or Middle Cambrian) (Oklahoma)
 GAGE Shale Member (Doyle Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
 GAINESVILLE Group (=Washita Group) (Lower Cretaceous) (Texas) (W-38; K-66)
 GAINESVILLE sand (Devonian) (Kentucky) (W-38)
 GAINESVILLE Sandstone Bed (Blackjack Knob Member) (Cotter Dolomite) (Lower Ordovician) (Arkansas) (K-66)
 GALESBURG Shale (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
 GALT Limestone (=Guelph Dolomite) (Silurian) (Ontario) (Canada) (W-38)
 GALT Moraine (Pleistocene) (Ontario) (Canada) (W-38)
 GALT sand (Trinity Group) (Lower Cretaceous) (Texas) (W-38)
 GALVESTON ISLAND sand (Holocene) (Texas)
 GAMACHIAN Stage (Ordovician) (Quebec) (Canada) (W-38)
 GAME REFUGE Sandstone (Upper Jackfork Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66; C-76)
 GANO Shale (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (K-66)
 GAP Latite (=Fisher Latite) (Miocene) (Colorado) (W-38; K-66)
 GAP Sandstone Member (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
 GAP RIDGE Sandstone Member (Moyers Formation) (Stanley Group) (Chesterian) (Mississippian) (Arkansas) (K-66)
 GAPTANK Formation (Strawn-Canyon-Cisco Groups) (Desmoinesian-Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)

GARBER limestone (Mississippian) (Utah) (W-38)
GARBER sand (subsurface Garber Sandstone) (Leonardian) (Permian) (Southwestern Oklahoma) (W-38)
GARBER sand (lower and upper Garber sands) (Burlingame-Reading interval) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
GARBER Sandstone (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
GARCENO Sandstone Member (Cook Mountain Formation) (Eocene) (Texas) (K-66)
GARDNER Dolomite (Mississippian) (Utah) (W-38; K-66)
GARDNER lime (=Santo Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
GARDNER lime (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
GARDNER Limestone (Desmoinesian) (Pennsylvanian) (Texas)
GARDNER sand (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
GARNER Formation (=Mingus and Brazos River Formations) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
GARNER sand (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
GARNER sand (above Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
GARNET biotite quartz oligoclase gneiss (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
GARNET biotite quartz oligoclase gneiss (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
GARNETT Limestone (=Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
GARREN Group (Tertiary) (Texas) (K-66)
GARRETT Conglomerate (=Lytle Sandstone Member) (Purgatoire Formation) (Lower Cretaceous) (New Mexico) (W-38; K-66)
GARRETT zone (granite wash, Wichita Mountains) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
GARRISON Formation (Devonian or Silurian) (Washington) (L-81)
GARRISON Shale (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
GARVIN beds (=lower, middle, and upper Garvin beds) (Oscar-Wellington-Garber units) (Gearyan-Leonardian) (Pennsylvanian-Permian) (Oklahoma) (W-38; J-57)
GASCONADE Dolomite (Canadian) (Lower Ordovician) (Arkansas) (W-38; K-66)
GATESVILLE Formation (=Edwards-Comanche Peak-Walnut units) (Lower Cretaceous) (Texas) (W-38; K-66)
GATUNA Formation (Pleistocene) (Texas) (K-66)
GAY HILL Terrace (Pleistocene) (Texas) (K-66)
GAYLOR Sandstone (=Sylamore Sandstone) (Upper Devonian) (Arkansas) (K-70)
GAZLEY CREEK sand (Eocene) (Texas) (W-38; K-66)

- GEARYAN Series (275-295 m.y.) (Reading through Herington units) (=Wolfcampian or Lyonian and upper Virgilian) (Pennsylvanian or Lower Permian ?) (Kansas) (K-70)
- GEDINNIAN Series (400-405 m.y. (Lower Devonian) (Europe)
- GEISER QUARRY Member (Dutchtown Formation) (Ordovician) (Missouri) (K-66)
- GENE AUTRY Shale (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66; C-76)
- GEORGES CREEK Member (Paluxy Sandstone) (Lower Cretaceous) (Texas) (L-86)
- GEORGES FORK Sandstone Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- GEORGETOWN Formation (Lower to Upper Cretaceous) (Texas) (W-38; K-66)
- GEORGETOWN Gabbroic Suite (Lower Paleozoic) (Maryland) (K-70)
- GERLANE Formation (Pleistocene) (Kansas) (W-38; K-66)
- GERONIMO Series (=Cisco Group) (Virgilian-Gearyan) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- GERTY Sand (Pleistocene) (Oklahoma) (W-38; K-66)
- GETAWAY Limestone Member (Cherry Canyon Formation) (Delaware Mountain Group) (Guadalupian) (Permian) (Texas) (K-66)
- GEUDA Salt Measures (=Geuda Springs Shale Member) (Wellington Formation) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- GEUDA SPRINGS Shale Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (K-66)
- GIBBONS Conglomerate Lentil (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- GIBBSITE sills and dikes (Woodbine Formation) (Upper Cretaceous) (Texas)
- GIBSON coal bed (Crevasse Canyon Member) (Mesaverde Formation) (Cretaceous) (New Mexico) (W-38; K-66)
- GIBSON Limestone Member (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- GIBSON sand (Mississippian) (Indiana) (W-38)
- GIBSON sand (Lagonda Sandstone Member and below) (Calvin Sandstone and Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- GIBSON Terrace (=Blackfoot Terrace) (Pleistocene) (Idaho) (W-38)
- GIBSON zone (above Lagonda Sandstone Member) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- GILBERT Andesite (Pliocene) (Nevada) (K-66)
- GILBERT Limestone Member (Ashlock Formation) (Ordovician) (Kentucky) (W-38; K-66)
- GILBERT Sandstone (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- GILBERT Shale (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- GILBERT Shale (Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas) (W-38; K-66)
- GILBERT Substage (Holocene) (California) (K-70)
- GILCREASE sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- GILL Breccia (Vieja Group) (Eocene or Oligocene) (Texas) (K-66)
- GILLESPIE Formation (=Travis Peak Formation) (Trinity Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- GILLESPIE Tuff (Tertiary) (New Mexico) (K-70)

- GILLIAM Limestone Member (See Gilliland) (W-38; K-66)
- GILLILAND Limestone Member (Capitan Limestone) (Permian) (Texas) (W-38; K-66)
- GILLS Gravel (Quaternary) (Texas) (K-70)
- GILMER Limestone (Louark Group) (Jurassic) (Texas) (L-86)
- GIVENS Member (Hosston Formation) (Trinity Group) (Lower Cretaceous) (Louisiana)
- GIVETIAN Series (Middle Devonian) (Europe)
- GLADYS BELLE gas pay (Sipe Springs Beds) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
- GLASS MOUNTAIN Formation (=Cedar Hills and Flowerpot units) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- GLASS MOUNTAIN Rhyolite (Holocene) (California) (K-66)
- GLASS MOUNTAINS Formation (=Capitan Limestone) (Guadalupian-Ochoan) (Permian) (Texas)(W-38; K-66)
- GLAUCONITIC bed (Woodford-Sycamore units) (Kinderhookian-Osagean) (Mississippian) (Oklahoma)
- GLAUCONITIC division (=Navarro Group) (Upper Cretaceous) (Texas)(W-38)
- GLAUCONITIC group (Cretaceous) (Mississippi) (W-38)
- GLAUCONITIC lime (=Cochrane Formation) (Chimneyhill Subgroup) (Hunton Group) (Lower Silurian) (Oklahoma) (J-57)
- GLAUCONITIC shale (Fraser glauconitic shale) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- GLEN CREEK Gabbro (Roosevelt Gabbro Suite) (Raggedy Mountain Gabbro Group) (Cambrian) (Oklahoma) (L-86)
- GLEN MOUNTAINS Layered Complex or Suite (535-1,500 m.y. ?) (Middle Cambrian or Precambrian) (Oklahoma) (L-86)
- GLEN PARK Limestone (Sulphur Springs Formation) (Mississippian) (Missouri) (W-38; K-66)
- GLEN ROSE Formation (Lower Cretaceous) (Texas) (W-38; K-66)
- GLEN ROSE Limestone Member (Shingle Hills Formation) (Lower Cretaceous) (Texas) (K-66)
- GLENCAIRN Shale Member (Purgatoire Formation) (Lower Cretaceous) (Colorado) (W-38; K-66)
- GLENDALE Beds (Whitsett Formation) (Eocene) (Texas) (W-38; K-66)
- GLENDALE Granite (Precambrian) (Colorado) (W-38; K-66)
- GLENDALE Member (Denmark Formation) (Ordovician) (New York) (K-66)
- GLENDALE Shale (Mississippian) (Tennessee) (W-38; K-66)
- GLENN Formation (Goddard through Hoxbar units) (Chesterian-Missourian) (Mississippian-Middle Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- GLENN sand (=Glenn-of-Morris sand) (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- GLENN sand(=Bluejacket Sandstone Member) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- GLENN Shale (Triassic-Cretaceous) (Alaska) (L-81)
- GLENN CREEK Shale Member (Jefferson Limestone) (Devonian) (Montana) (W-38; K-66)
- GLENN-OF-MORRIS sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

- GLENPOOL Limestone Member (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- GLENROCK Limestone Member (Red Eagle Limestone) (Council Grove Group)(Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- GLORIETA Sandstone (=Duncan Sandstone) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- GLOVER sand (below Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- GNEISS (1,500 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- GNEISS (1,400-1,800 m.y.) (Panhandle terrane) (X and Y Series) (Lower to Middle Proterozoic) (Precambrian) (Texas)
- GNEISS (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- GNEISS (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- GOAT CANYON Formation (Oligocene) (Texas) (L-81)
- GOAT SEEP Limestone (Guadalupian) (Permian) (Texas) (K-66)
- GOBBLER Formation (Magdalena Group) (Pennsylvanian) (New Mexico) (K-66)
- GOBER Chalk or Tongue (Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- GODDARD Formation (=Pennsylvanian Caney) (Chesterian) (Mississippian) (Oklahoma) (J-57: K-66; C-76)
- GOEN Limestone Member (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- GOLDENROD Sandstone Member (above Fleming coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-70)
- GOLF BALL zone (Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- GOLF COURSE Formation (=Primrose-Gene Autry-Otterville units) (Springer-Dornick Hills Groups) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66; C-76)
- GOLIAD Formation (Miocene-Pliocene) (Texas) (W-38; K-66)
- GONZALES Limestone Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- GONZALES Shale (=Bluff Creek Shale Member)(Graham Formation) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- GONZALES CREEK Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- GOOD CREEK Formation (Pleistocene) (Texas) (K-70)
- GOODBREAD Sandstone Member (Manning Formation) (Eocene) (Texas) (K-66)
- GOODLAND Limestone (Fredericksburg Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- GOODLAND Moraine (Pleistocene) (Michigan) (W-38)
- GOODLET Dolomite (=Hollis Dolomite) (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Texas) (K-70)
- GOODNIGHT Formation (=Clarendon Beds) (Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
- GOODWIN Formation (Mount Hamilton Group) (Ordovician) (Nevada) (W-38; K-66)
- GOODWIN sand (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)

- GOODWIN sand 1 (=Rod Club Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- GOODWIN sand 2 (=Redoak Hollow Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- GOODWIN sands 1, 2, 3, 4, 5 (middle to lower Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- GORDON sand (Devonian-Mississippian) (Pennsylvania) (W-38)
- GORDON sand (Lemons Bluff Beds) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian)(Texas) (W-38)
- GORDON Sandstone (Rochelle Conglomerate through Dickerson Formation) (lower Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- GORDON Shale (Cambrian) (Montana) (W-38; K-66)
- GORDON stray sand (Devonian-Mississippian) (Pennsylvania) (W-38)
- GORDONVILLE Dolomite Member (Dutchtown Formation) (Ordovician) (Missouri) (K-70)
- GORGORA Shale Member (Fayette Formation) (Eocene) (Texas) (K-66)
- GORMAN Formation (Ellenburger Group) (Canadian) (Lower Ordovician) (Texas) (K-66)
- GOSE sand (Necessity Shale member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
- GOULDSBUSK Limestone Member (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-lower Permian ?) (Texas) (K-66)
- GOZAR Gravel (Quaternary) (Texas) (K-70)
- GRACEMONT Shale Bed (above Relay Creek Bed) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- GRADY coal bed (=Hartshorne coal) (Hartshorne Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- GRAFORD Formation (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- GRAFORD Limestone Member (=Merriman Limestone Bed) (Placid Shale Member) (Brad Formation) and (Winchell Limestone Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- GRAHAM Formation (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- GRAHAM Jasper Bed (Smoky Hill Chalk Member) (Niobrara Chalk) (Cretaceous) (Kansas) (W-38; K-66)
- GRAHAM Limestone Member (Bluefield Formation) (Mississippian) (Virginia) (W-38; K-66)
- GRAHAM sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- GRAHAM Sandstone Member (Bluefield Formation) (Mississippian)(Virginia) (W-38; K-66)
- GRAHAM Shale Member (Bluefield Formation) (Mississippian) (Virginia) (W-38; K-66)
- GRAHAM Shale (above Bunger Limestone) (lower Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- GRAMBLING Shale (Hosston Formation) (Trinity Group) (Lower Cretaceous) (Louisiana)
- GRANBY Conglomerate (=Burgess sand and Mississippi chat) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- GRANBY Tuff (Triassic) (Newark Group) (Massachusetts) (W-38; K-66)
- GRAND BAYOU Member (Hall Summit Formation) (Paleocene) (Texas) (K-66)

- GRAND FALLS Chert Member (Keokuk Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma) (W-38; K-66)
- GRAND FALLS Formation (Cambrian) (Maine) (K-66)
- GRAND ISLAND Formation (Pleistocene) (Kansas) (W-38; K-66)
- GRAND PRAIRIE Formation (=Comanchean Series) (Lower Cretaceous) (Texas) (W-38; K-66)
- GRAND RIVER Formation (Pennsylvanian) (Michigan) (K-66)
- GRAND RIVER Limestone (=Hindsville Limestone) (Mississippian) (Oklahoma) (K-66)
- GRANDFIELD Conglomerate (Pleistocene) (Oklahoma) (W-38; K-66)
- GRANDHAVEN Limestone Member (Stotler Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- GRANEROS Shale (Colorado Group) (Upper Cretaceous) (Colorado) (W-38; K-66; S-77)
- GRANITE (525 ± 25 m.y.) (Wichita Mountains Granitic Suite) (Middle Cambrian) (Oklahoma) (K-70)
- GRANITE (1,000 m.y.) (Town Mountain Granite) (Llano Terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
- GRANITE (1,260 m.y.) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- GRANITE (1,160 - 1,280 m.y.) (Spavinaw Granite) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma) (W-38; K-66)
- GRANITE (1,300 - 1,400 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- GRANITE (1,350 m.y.) (Tishomingo Granite) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma) (W-38; K-66)
- GRANITE (1,400 - 1,500 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- GRANITE (1,500 ± 50 m.y.) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- GRANITE 1,400 - 1,800 m.y.) (X and Y Series) (Panhandle terrane) (Lower to Middle Proterozoic) (Precambrian) (Texas)
- GRANITE (1,800 m.y.) (zircon xenocrysts in Tishomingo Granite) (X Series) (Lower Proterozoic) (Precambrian) (Oklahoma)
- GRANITE (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- GRANITE gneiss (1,100 m.y. and older) (Llano terrane) (Valley Spring Gneissic Suite and younger gneisses) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
- GRANITE gneiss (1,350 m.y.) (Blue River Gneiss) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- GRANITE gneiss (1,500 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- GRANITE gneiss (1,400 - 1,800 m.y.) (Panhandle terrane) (X and Y Series) (Lower to Middle Proterozoic) (Precambrian) (Texas)
- GRANITE gneiss (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- GRANITE olistoliths (1,300 - 1,400 m.y.) (in Blakely Sandstone) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- GRANITE porphyry (1,160 - 1,280 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- GRANITE wash (Morrowan and younger) (Pennsylvanian-Permian) (Wichita-Amarillo Mountains) (Oklahoma; Texas)

- GRANITE xenoliths (in Oppello Breccia) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- GRANITEVILLE Granite (Bevos Intrusive Suite) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-66)
- GRANITEVILLE Soil (Pleistocene) (Utah) (K-70)
- GRANODIORITE (1,260 m.y.) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- GRANODIORITE (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian)(Texas)
- GRANODIORITE gneiss xenoliths (1,500 \pm 30 m.y.) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri)
- GRANT Conglomerate (Precambrian) (Minnesota) (W-38; K-66)
- GRANT Shale Member (Winfield Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- GRAPE CREEK Member (Clyde Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- GRAVES sand (Taylor Group) (Upper Cretaceous) (Arkansas) (W-38)
- GRAY band (=Thorold Sandstone Member) (Albion Sandstone) (Silurian) (New York) (W-38)
- GRAY porphyry group (Cretaceous or Tertiary) (Colorado)(W-38; K-66)
- GRAY sand (Buck Creek Sandstone Bed) (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- GRAY sparry limestone (=Onondaga Limestone) (Devonian) (New York) (W-38)
- GRAY Strawn beds (Kickapoo Creek Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- GRAYBURG Formation (=Marlow Formation) (Whitehorse or Artesia Group) (Guadalupian) (Permian) (Texas) (K-66)
- GRAYDON Sandstone (=Graydon Springs Sandstone) (=Burgess sand ?) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- GRAYDON Shale Member (Graydon Springs Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- GRAYDON SPRINGS Sandstone (=Burgess sand ?) (lower McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- GRAYHORSE Limestone Member (Wood Siding Formation) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- GRAYHORSE sand (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- GRAYSON Granodiorite Gneiss (Precambrian) (Virginia) (W-38; K-66)
- GRAYSON Marl (Upper Cretaceous) (Texas) (W-38; K-66)
- GRAYSON Sandstone Member (Breathitt or Lee Formations) (Pottsville Group) (Pennsylvanian) (Kentucky)
- GREELEY Gypsum Member (Wellington Formation) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- GREEN crinoidal limestone (Ames Limestone) (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38)

- GREEN glauconitic lime (=Cochrane Formation) (Chimneyhill Subgroup) (Hunton Group) (Lower Silurian) (Oklahoma) (W-38)
- GREEN sand (Pennsylvanian ?) (Illinois) (W-38)
- GREEN shale zone (=Tulip Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma)
- GREEN VALLEY Formation (Pliocene) (California) (K-66)
- GREEN VALLEY Group (Tertiary) (Texas) (K-66)
- GREEN VALLEY Tonalite (Cretaceous) (California) (K-66)
- GREENFIELD or GREENEFIELD Bed (Triassic) (Massachusetts) (W-38; K-66)
- GREENFIELD Dolomite (Bass Islands Group) (Silurian) (Ohio) (W-38; K-66)
- GREENFIELD Dolomite (=Emanuel and Relay Creek units) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian)(Oklahoma) (W-38; K-66)
- GREENFIELD Limestone (=Hoyt Limestone) (Cambrian) (New York) (W-38; K-66)
- GREENHORN Bentonite Bed (Colorado Group) (Upper Cretaceous) (Montana) (K-66)
- GREENHORN Limestone (Colorado Group) (Upper Cretaceous) (Oklahoma) (W-38; K-66; C-76; S-77; S-78)
- GREENLAND Sandstone Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (K-66)
- GREENLEAF Sandstone Member (Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
- GREENLEAF LAKE Limestone Member (Wapanucka or Kessler Limestone) (McCully Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (S-78; L-86)
- GREENWICH Formation (=Greenwich Slate) (Cambrian) (New York) (W-38; K-66)
- GREENWICH Formation (=Danbury Granodiorite Gneiss) (Precambrian ?)(Connecticut) (W-38; K-66)
- GREENWICH Shale Member (Morrison Formation) (Jurassic) (Colorado) (W-38; K-66)
- GREENWICH Slate (Cambrian) (New York) (W-38; K-66)
- GREENWOOD Iron Member (Michigamme Slate) (Precambrian) (Michigan) (W-38; K-66)
- GREENWOOD Sandstone Member (Savanna Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- GREER Formation (=Blaine through Cloud Chief units)(Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- GREGORY lime (Rocky Mountain Limestone and Fusulinid lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- GREGORY Member (Pierre Shale) (Upper Cretaceous) (South Dakota) (K-66)
- GREGORY sand (Upper Cretaceous) (Arkansas) (W-38)
- GRENOLA cyclothem (Roca Shale and Grenola Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (K-66)
- GRENOLA Limestone (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- GRENVILLE Amphibolite Complex (Y Series) (Middle Proterozoic) (Precambrian) (New York) (W-38; K-66)
- GRENVILLE Limestone (Precambrian) (Quebec) (W-38; K-66)
- GRENVILLE Quartzite (Precambrian) (New York) (W-38; K-66)

- GRENVILLIAN Stage (1,000 - 1,100 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Quebec) (Canada) (New York) (W-38; K-66; S-81)
- GRETA sand (Oligocene) (Texas) (W-38)
- GREYHORSE Limestone (see Grayhorse) (Wood Siding Formation) (Vanoss Group) (Gearyan-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- GRIFFIN Bed (Tampa Limestone Member) (Chattahoochee Formation) (Miocene) (Florida) (W-38; K-66)
- GRIFFIN lime (above Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- GRIFFIN sand (above Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- GRIFFIN sand (Lester through Davis units) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57; K-66; C-76)
- GRIFFIN Shale (below Davis sand) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- GRILEY Limestone (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- GRINDLE HILL Shale (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- GRINDSTONE Formation (Jurassic) (California) (K-66)
- GRINDSTONE Grit (=Redoak Hollow Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- GRINDSTONE CREEK Member (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- GRINDSTONE CREEK Member (=Tiff Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- GROESBECK Dolomite (=Creta Dolomite) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- GROESBECK Formation (Pleistocene) (Texas) (K-70)
- GROVER Gravel (Miocene ?) (Missouri) (K-66)
- GRYPHAEA bed (Segovia Formation) (Upper Cretaceous) (Texas)
- GUADALUPE Igneous Suite (Jurassic) (California) (K-70)
- GUADALUPE Shale (Trinity Group) (Lower Cretaceous) (Texas) (K-70)
- GRADALUPIAN Series (255-270 m.y.) (Permian) (Texas) (W-38; K-66)
- GUERTIE Sand (see Gerty Sand) (Pleistocene) (Oklahoma) (W-38)
- GUEYDAN Ash Member (Catahoula Formation) (Oligocene or Miocene) (Texas) (K-66)
- GUEYDAN Formation (=Gueydan Ash Member)(W-38; K-66)
- GUEYDAN Group (=Gueydan Ash Member) (W-38; K-66)
- GULFIAN Series (67-100 m.y.) (Upper Cretaceous) (Gulf Coast) (W-25; W-38; K-66)
- GUNSIGHT Formation (Lemhi Group) (Precambrian) (Idaho) (L-81)
- GUNSIGHT Formation (=upper Graham through Thrifty units) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- GUNSIGHT Limestone (=Gunsight Limestone Member) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- GUNSIGHT Limestone Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)

- GUNSIGHT sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- GUNTER Sandstone Member (Gasconade Dolomite) (Canadian) (Lower Ordovician) (Oklahoma) (W-38; K-66)
- GUTHRIE Dolomite Member (below Guthrie Gypsum) (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- GUTHRIE Gypsum Member (above Guthrie Dolomite) (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Texas)
- GUTOSKEY sand (Eocene) (Texas)(W-38)
- GWINNUP sand (Pennsylvanian) (Texas) (W-38)
- GYPSUM CREEK Dolomite Member (below Haystack Gypsum) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)
- GYPSY Quartzite (Cambrian) (Washington) (K-66)
- GYPSY sand (=Cheshewalla or Tonganoxie Sandstones) (Vamoosa Group) (Virgilian) (Pennsylvanian)(Oklahoma)
- GZHELIAN Series (290-300 m.y.) (= Virgilian Series) (Upper Carboniferous or Pennsylvanian) (Russia)

H

- H zone (=Gunsight Limestone) (Gaptank Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- H zone (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
- HACKBERRY Member (Frio Formation) (Oligocene) (Louisiana) (L-81)
- HACKBERRY Shale (Devonian) (Iowa) (W-38; K-66)
- HADRYNIAN Series (570-955 m.y.) (Z Series) (Upper Proterozoic) (Precambrian) (Canada)
- HAGER Limestone Member (Plattin Limestone) (Ordovician) (Missouri) (K-66)
- HAGER Rhyolite Porphyry (Precambrian) (Wisconsin) (K-70)
- HA JA CANYON pay (Turkey Creek Sandstone Bed) (Keechi Creek Shale Member) (Mineral Wells Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- HALE Formation (basal Morrowan) (Pennsylvanian) (Arkansas) (W-38; K-66)
- HALL SUMMIT Formation (Wilcox Group) (Paleocene)(Texas) (K-66)
- HALLETT sand (Nowata Shale) (lower Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HALLETT Shale (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)
- HAMILTON SWITCH sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HAMLIN Shale Member (Janesville Shale) (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- HAMM sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- HAMMER-HAINDL sand (McLish Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- HAMMETT Shale Member (Pearsall Formation) (Lower Cretaceous) (Texas) (K-66)

- HAMPTON Clay (Pleistocene) (South Carolina) (W-38; K-66)
HAMPTON Formation (Mississippian) (Iowa) (W-38; K-66)
HAMPTON Granodiorite (Devonian ?) (New Hampshire) (W-38; K-66)
HAMPTON Moraine (Pleistocene) (Minnesota) (W-38)
HAMPTON sand (Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
HAMPTON Shale (Chilhowee Group) (Cambrian) (Tennessee) (W-38; K-66)
HANCOCK Amygdaloid Bed (Hancock Flow) (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (W-38; K-66)
HANCOCK Conglomerate (=Hancock West Conglomerate) (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (W-38; K-66)
HANCOCK Dolomite (Silurian-Devonian) (Tennessee) (W-38; K-66)
HANCOCK Flow (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (W-38; K-66)
HANCOCK lode (Hancock Flow) (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (W-38)
HANCOCK Member (Pinney Hollow Formation) (Cambrian) (Vermont) (K-66)
HANCOCK sand (Bandera Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38)
HANCOCK WEST Conglomerate (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (W-38; K-66)
HANDY sand (Gray Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
HANNA VALLEY Bed (above Hog Mountain Sandstone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
HANNOLD HILL Formation (Tornillo Group) (Eocene) (Texas) (K-70)
HAPPY HOLLOW Limestone Member (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
HARAGAN Formation (Hunton Group) (Lower Devonian) (Oklahoma) (W-38; J-57; K-66)
HARDIN SCHOOL Limestone Bed (Santa Anna Branch Shale Member) (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
HARDY sand (Colony Creek Shale Member) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
HARGESHEIMER sand (Maroon Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
HARJO sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
HARPER Siltstone (Leonardian) (Permian) (Kansas) (W-38; K-66)
HARPERSVILLE Formation (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
HARRINGTON Formation (Triassic) (Utah) (W-38; K-66)
HARRINGTON sand (=Cherrykirk sand) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
HARRIS Formation (Miocene or Pliocene) (California)

- HARRIS Moraine (Pleistocene) (Minnesota) (W-38)
- HARRIS sand (=Dobbs Valley Sandstone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- HARRIS sand (Eagle Ford Formation) (Upper Cretaceous) (Louisiana)
- HARRYMAN sand (Hartshorne Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- HART lime (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- HART Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)(W-38; K-66)
- HART sand (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- HART zone (upper Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- HART SCHOOL Limestone Bed (Sedwick Limestone Member) (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- HARTFORD Clay (Pleistocene) (Connecticut) (W-38; K-66)
- HARTFORD Limestone (Pennsylvanian) (Kentucky) (W-38; K-66)
- HARTFORD Limestone Bed (Topeka Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- HARTFORD Limestone Member (=Paint Rock Member) (Lueders Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- HARTGROVE pay (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- HARTLAND Metamorphic Suite (=Hoosac Metamorphic Suite) (Cambrian) (Connecticut) (W-38; K-66)
- HARTLAND Shale Member (Greenhorn Limestone) (Upper Cretaceous) (Kansas) (W-38; K-66; S-78)
- HARTSHORNE coal bed (Hartshorne Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- HARTSHORNE Formation or Sandstone (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- HARTWELL Moraine (Pleistocene) (Ohio) (W-38)
- HARTWELL Sandstone (Mississippian) (West Virginia) (W-38; K-66)
- HARTWELL Sandstone (Pennsylvanian) (Arkansas) (W-38; K-66)
- HARVEYVILLE Shale Member (Emporia Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- HASKELL Limestone Member (=Institute Limestone and Bowring Limestone) (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66; S-81)
- HASKELL Reef (above Village Bend Limestone) (Strawn, Canyon, Cisco Groups) (Desmoinesian-Gearyan) (Pennsylvanian) (Bend Arch) (Texas)
- HASKELL sand (Chemung Formation) (Devonian) (Pennsylvania) (W-38)

- HASKEW Gypsum Bed (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian)(Oklahoma) (W-38; K-66)
- HATCHETIGBEE Formation (Wilcox Group) (Paleocene) (Mississippi) (W-38; K-66; S-81)
- HATTIESBURG Clay (Miocene) (Texas) (W-38; K-66)
- HATTON Tuff Member (Tenmile Creek Formation) (Stanley Group) (Meramecian) (Mississippian) (Arkansas) (W-38; K-66; C-76)
- HAUTERIVIAN Series (125-130 m.y.) (Lower Cretaceous) (Europe)
- HAVENSVILLE Shale Member (Wreford Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- HAWKINS Formation (Triassic-Paleozoic) (Washington) (W-38; K-66)
- HAWKINS Limestone (Cambrian) (New Mexico) (W-38; K-66)
- HAWKINS Limestone Member (=Ideal Quarry Member) (Keel Formation) (Chimneyhill Subgroup) (Hunton Group) (Upper Ordovician) (Oklahoma)(K-66)
- HAWXBY Shale Member (Onaga Shale) (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Kansas) (W-38; K-66)
- HAY HOLLOW Sandstone Member (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- HAYMOND Formation (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- HAYNESVILLE Formation (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-66)
- HAYNESVILLE sand (=Blossom Sand Member) (Brownstown Marl) (Upper Cretaceous) (Louisiana) (W-38)
- HAYNIES Limestone Member (Deer Creek Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Nebraska)(W-38; K-66)
- HAYS member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (L-91)
- HAYSTACK Gypsum Member (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- HAYSTACK Rhyolite (Devonian ?) (Maine) (W-38; K-66)
- HAYWARD Sandstone Member (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- HAZEL Formation (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
- HAZEL Slate (Precambrian) (North Carolina) (W-38; K-66)
- HAZEL GREEN Bed (Quimbys Mill Member) (Platteville Formation) (Ordovician) (Illinois) (K-66)
- HAZEL GREEN Volcanic Suite (Cambrian) (Missouri) (K-70)
- HEADQUARTERS Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma) (W-38; K-66)
- HEADQUARTERS Schist (Precambrian) (Wyoming) (W-38; K-66)
- HEALDTON sand (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HELUND sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)(J-57)

- HEEBNER Shale Bed (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian)(Oklahoma) (W-38; K-66)
- HEFNER sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)(J-57)
- HEGLER Limestone Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas)(K-66)
- HELDERBERGIAN Stage (Devonian) (New York) (W-38; K-66)
- HELIKIAN Series (955-1735 m.y.) (X and Y Series) (Lower to Middle Proterozoic)(Precambrian) (Canada)
- HELM sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- HELMS Formation (Chesterian) (Mississippian)(Texas) (W-38; K-66)
- HEMPHILL Member (Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
- HEMPHILLIAN Stage (Pliocene) (Texas) (K-66)
- HENDERSON Gneiss (Devonian to Ordovician) (North Carolina) (W-38; K-66)
- HENDERSON Moraine (Pleistocene) (Michigan) (W-38)
- HENDERSON sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- HENDON sand (above Frensley Limestone) (Big Branch Formation) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- HENNESSEY Group (Leonardian Series) (Permian) (Oklahoma) (W-38; K-66)
- HENRIETTA Diorite Porphyry (Tertiary) (Mexico) (W-38)
- HENRIETTA Limestone (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- HENRYETTA coal bed (=Croweburg coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- HENRYHOUSE Formation (Hunton Group) (Middle to Upper Silurian) (Oklahoma) (W-38; J-57; K-66)
- HENRYS CHAPEL Clay Lentil (Sabinetown Formation) (Wilcox Group) (Paleocene) (Texas) (K-66)
- HENSEL Sand member (Travis Peak, Shingle Hills, Pearsall, and Glen Rose units) (Lower Cretaceous) (Texas) (W-38; K-66)
- HENSELL Sand Member (see HENSEL)
- HENSLEY granite wash (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- HENSLEY Member (Lee Formation) (Pennsylvanian) (Kentucky) (K-70)
- HENSON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- HENSON Tuff (Silverton Volcanic Suite) (Tertiary) (Colorado) (W-38; K-66)
- HEPLER Sandstone Member (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- HERCULES TOWER Sandstone Bed (Lutie Member) (Jefferson City Dolomite) (Lower Ordovician) (Arkansas) (K-66)
- HERINGTON Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- HERTHA Limestone (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- HERVEY sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

- HESS Limestone (Leonardian) (Permian) (Texas) (W-38; K-66)
- HETTANGIAN Series (195-200 m.y.) (Lower Jurassic) (Europe)
- HEUMADER Shale Member (Oread Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- HEWITT lignite (=Confederate coal bed) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- HEWITT sands (Rocky Point through lower Confederate units) (Deese-Hoxbar Groups) (Desmoinesian-Missourian) (Pennsylvanian) (Oklahoma)(W-38; J-57)
- HEWITT Till (Pleistocene)(Minnesota) (K-70)
- HICKMAN Group (Pleistocene) (Kentucky) (W-38; K-66)
- HICKMAN sand (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HICKORY sand (Devonian-Mississippian) (Pennsylvania) (W-38)
- HICKORY Sandstone Member (=basal Oil Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (K-66)
- HICKORY Sandstone Member (Riley Formation)(Moore Hollow Group) (Dresbachian) (Croixian) (Upper Cambrian) (Texas) (W-38; K-66)
- HICKORY Shale (see Hickory Creek Shale) (W-38)
- HICKORY CREEK Shale Member (Plattsburg Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas)(W-38; K-66)
- HICO Shale (Cotton Valley Group) (Lower Cretaceous) (Texas) (K-70)
- HIGGINSVILLE Limestone Member (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- HIGH BLUFF Blue Sands (=Nacatoch Sand) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- HIGH BLUFF Greensand (=Nacatoch Sand) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- HIGH BLUFF Member (Pendleton Ferry Formation) (Eocene) (Texas)(K-66)
- HIGHLAND Formation (Paleozoic ?) (British Columbia) (Canada) (W-38)
- HIGHLAND Gneiss (Precambrian) (New York) (W-38; K-66)
- HIGHLAND Gypsum Member (DeQueen Formation) (Trinity Group) (Lower Cretaceous) (Arkansas) (L-91)
- HIGHLAND Limestone Member (Butterfield Formation) (Pennsylvanian) (Utah) (K-70)
- HIGHLAND Moraine (Pleistocene) (Minnesota) (W-38)
- HIGHLAND Shale Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (K-66)
- HILBIG zone (Eocene) (Texas) (W-38)
- HILBURN pay (Sipe Springs Beds) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
- HILL Sand Member (Glen Rose Formation) (Lower Cretaceous) (Texas) (W-38)
- HILL CREEK Shale Bed (Lazy Bend Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- HILLS POND Peridotite (Cretaceous ?) (Kansas) (K-66)
- HILLTOP Formation (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)
- HINDSVILLE Limestone (Chesterian) (Mississippian) (Oklahoma) (W-38; K-66)

- HINES sand (below Williams Limestone) (Deese Group) (Desmoinesian)(Pennsylvanian) (Oklahoma)
- HINES Tongue (Reed Formation) (Precambrian) (California)(K-70)
- HINTON Division (Tanyard Formation) (San Saba Series) (Ellenburger Group) (Lower Ordovician) (Texas) (W-38; K-66)
- HINTON Formation (Mississippian) (West Virginia) (W-38; K-66)
- HINTON Group (=Hinton Formation) (Mississippian) (West Virginia) (W-38)
- HINTON Limestone (=Avis Limestone Member) (Hinton Formation) (Mississippian) (West Virginia) (W-38; K-66)
- HINTON Limestone (upper part) (Mississippian) (West Virginia) (W-38; K-66)
- HINTON Sandstone (=Stony Gap Sandstone Member)(Hinton Formation) (Mississippian) (West Virginia) (W-38; K-66)
- HIPPURITES Limestone (=Edwards Limestone) (Lower Cretaceous) (Texas) (W-38)
- HITT CANYON Formation (El Paso Group) (Canadian) (Lower Ordovician) (Texas) (C-76; L-81)
- HOCKLEY MOUND Sand Member (Willis Sand) (Pliocene ?) (Texas) (W-38; K-66)
- HODGEMAN Sandstone Member (Solomon Formation) (Dakota Group) (Cretaceous) (Kansas) (K-66)
- HODGES Mafic Suite (Middle Paleozoic) (Connecticut) (K-70)
- HODGES sand (Garrison Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- HODGES sand (Pennsylvanian) (Texas) (W-38)
- HODGES Shale Member (Bloomington Formation) (Cambrian) (Utah) (W-38; K-66)
- HODGES zone (=Checkerboard sand)(Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- HOG CREEK Member (Poison Creek Formation) (Pliocene) (Idaho) (L-81)
- HOG CREEK Shale member (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- HOG MOUNTAIN Sandstone Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- HOGAN MOUNTAIN Rhyolite (Van East Volcanic Suite) (Precambrian) (Missouri) (K-70)
- HOG EYE Tuff (Garren Group) (Tertiary) (Texas) (K-66)
- HOGSHOOTER Limestone (Skiatook or Kansas City Groups) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- HOGSHOOTER sand (=Burgess sand) (McCurtain Shale Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HOLDENVILLE Formation (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- HOLDER Formation (Magdalena Group) (Virgilian) (Pennsylvanian) (New Mexico) (K-66)
- HOLDREGE Formation (Pleistocene) (Kansas) (W-38; K-66)
- HOLLAND coal bed (Pennsylvanian) (Indiana) (K-66)
- HOLLAND Limestone Member (Staunton Formation) (Pennsylvanian) (Indiana) (K-66)

- HOLLAND sand (=Englevale Sandstone Member) (Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HOLLAND Sandstone (=Sylvania Sandstone) (Devonian) (Ohio) (W-38; K-66)
- HOLLENBERG Dolomite Bed (Donegal Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; J-57; K-66)
- HOLLIS Dolomite Member (=Goodlet Dolomite ?) (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)
- HOLLIS Gypsum Member (above Hollis or Goodlet Dolomite) (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)
- HOLLIS Limestone (=Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- HOLLIS Quartzite (Pine Mountain Group) (Precambrian) (Alabama) (W-38; K-66)
- HOLLY CREEK Formation (Trinity Group) (Lower Cretaceous) (Arkansas) (W-38; K-66)
- HOLMESVILLE Moraine (Pleistocene) (Ohio) (W-38)
- HOLMESVILLE Shale Member (Doyle Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- HolocENE Series (0.01 m.y. to present) (Quaternary System) (Cenozoic Era or Erathem) (Europe) (W-38; L-86)
- HOLT Moraine (Pleistocene) (Minnesota) (W-38)
- HOLT Shale Member (Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- HOLZMARK sand (Fayette Sandstone) (Eocene) (Texas) (W-38)
- HOME CREEK Limestone Member (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- HOMER Limestone Member (=Homer School Limestone Bed) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- HOMER Limestone Member (Wayne Formation) (Cretaceous) (Idaho) (W-38; K-66)
- HOMER Quartzite (Kaweah Group) (Triassic) (California) (K-66)
- HOMER SCHOOL Limestone Bed (=Homer Limestone Member) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- HOMINY Formation (=Kansas City Group through Council Grove Group) (Missourian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- HOMINY lime (=Lecompton Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HOMINY sand (=Burgen Sandstone) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- HOMINY HILL Metagabbro Olistoliths (700-1025 m.y.) (Y and Z Series) (Middle to Upper Proterozoic) (Precambrian) (Arkansas)
- HONDO Sandstone Member (San Andres Formation) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- HONDO Shale (=Arroyo Hondo Shale Member) (Lodo Formation) (Eocene) (California) (K-66)
- HONDO Slate (=Pilar Phyllite Member) (Ortega Formation) (Precambrian) (New Mexico) (K-66)

- HONEY Metamorphics (=Honey Creek Member) (Packsaddle Schistose Suite) (Llano Supersuite or terrane) (Y Series)(Middle Proterozoic)(Precambrian) (Texas) (K-70; L-86)
- HONEY CREEK Limestone (Timbered Hills Group) (Franconian) (Croixian) (Upper Cambrian) (Oklahoma) (W-38; K-66)
- HONEY CREEK Member (=Honey Metamorphics) (Packsaddle Schistose Suite) (Llano Supersuite or terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-70)
- HONEYCUT Formation (Ellenburger Group) (Canadian) (Lower Ordovician) (Texas)(K-66)
- HOOD Epoch (Pleistocene) (Oregon) (K-66)
- HOOD sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- HOOK Limestone Bed (Macy Member) (Plattin Limestone) (Ordovician) (Missouri) (K-66)
- HOOVER carbonaceous shale (above Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- HOOVER Clay Member (Rockdale Formation) (Wilcox Group) (Paleocene) (Texas) (K-66)
- HOOVES sand (=Oil Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- HOOSEY Shale Member (Bader Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- HOOVER Conglomerate Bed (Sycamore Canyon Member) (Puente Formation) (Miocene) (California) (K-66)
- HOOVER Division (=Wilberns and Tanyard units) (Leon Series) (Cambrian-Ordovician) (Texas) (W-38; K-66)
- HOOVER gas sand (Hardinsburg Sandstone) (Mississippian)(Indiana) (W-38)
- HOOVER oil sand (Cypress Sandstone) (Mississippian) (Indiana) (W-38)
- HOOVER sand (Elgin Sandstone Lenticle) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- HOPE Gypsum Bed (Geuda Springs Shale Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- HOPE lime (Crystal Falls Limestone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- HOPE Limestone (Silurian ?) (Maine) (W-38; K-66)
- HOPE Member (Cane Valley Formation) (Cretaceous) (Virgin Islands) (K-70)
- HOPE Member (Rickenbach Formation) (Ordovician) (New Jersey) (L-86)
- HOPE sand (=Crystal Falls through Parks Mountain units) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- HORDES CREEK Limestone (=Hords Creek Limestone) (W-38; K-66)
- HORDS CREEK Limestone Member (Admiral Formation) (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- HORNBLende andesine gneiss (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- HORNBLende schist (1,320 - 1,400 m.y.) (Panhandle terrane) (Y Series) (Middle Proterozoic)(Precambrian) (Texas)
- HORNBLende schist (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)

- HORNBLENDITE dikes (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- HORNFELS (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- HORSE CREEK Clay Bed (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- HORSE CREEK coal beds (Pottsville Group) (Pennsylvanian) (Alabama) (W-38)
- HORSE CREEK Limestone Member (=Gouldbusk Limestone Member) (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- HORSE CREEK Rhyolite (Tertiary) (Wyoming) (K-70)
- HORTON Formation (Helen Group) (Precambrian-Paleozoic) (Georgia) (L-91)
- HORTON Group (Mississippian) (New Brunswick) (Canada) (W-38)
- HORTON sand (Pottsville Formation) (Pennsylvanian) (Kentucky) (W-38)
- HORTON sand (=Rod Club Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- HOSSTON Formation (Trinity Group) (Lower Cretaceous) (Texas) (K-66)
- HOT SPRINGS Conglomerate Member (Gothic Formation) (Pennsylvanian) (Colorado) (L-81)
- HOT SPRINGS Formation (=Hot Spring Formation) (Quaternary) (Yellowstone Park) (Wyoming) (W-38; K-66)
- HOT SPRINGS Formation (=Fra Cristobal Formation) (Mud Springs Group) (Pennsylvanian) (New Mexico) (K-66)
- HOT SPRINGS Sandstone (basal Stanley Group) (Meramecian) (Mississippian) (Arkansas)
- HOTSON sand zone (Eskridge Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- HOUCHEN CREEK Limestone Member (Admire Formation) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- HOUND DOG HOLLER Sandstone Member (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (L-81)
- HOUSE Limestone (Pogonip Group) (Ordovician) (Utah) (K-66)
- HOUSE sand (above Hart Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- HOUSE OF HESS Conglomerate Bed (basal Hale Formation) (Morrowan) (Pennsylvanian) (Arkansas)
- HOUSTON Andesite (Tertiary) (New Mexico) (W-38; K-66)
- HOUSTON Group (Pleistocene) (Texas) (W-38; K-66)
- HOUSTON Marl (Cretaceous) (Mississippi) (W-38; K-66)
- HOUSTON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- HOUX Limestone Bed (Little Osage Shale Member) (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)
- HOUY Formation (Upper Devonian-Lower Mississippian) (Texas) (K-66)
- HOWARD Arkose (Miocene ?) (Washington) (W-38; K-66)
- HOWARD Limestone (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- HOWARD Sandstone (=Castanea Sandstone) (Silurian) (Pennsylvania) (W-38; K-66)

- HOWE Limestone Member (Red Eagle Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- HOXBAR Group (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- HOXBAR oolitic lime (=lower Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- HOXBAR water sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- HOXSEY sand (above Red Eagle Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- HOY sand (Matfield Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- HUBER sand zone (=Healdton sand) (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- HUDSON Grits (Poultney River Group) (Upper Cambrian-Middle Ordovician) (Vermont) (K-66)
- HUDSON Group (=Hudson River Group) (Cambrian-Ordovician) (New York) (W-38; K-66)
- HUDSON Member (Franconia Sandstone) (Cambrian) (Wisconsin) (W-38; K-66)
- HUDSON Period (Upper Ordovician) (New York) (W-38)
- HUDSON sand 1, 2 (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- HUDSON Schist (=Berkshire Schist) (Precambrian-Ordovician) (New York) (W-38; K-66)
- HUDSON System (Cambrian) (New York) (W-38; K-66)
- HUDSON trilobite beds (=Hudson Member) (Franconia Sandstone) (Upper Cambrian) (Wisconsin) (W-38; K-66)
- HUDSON white beds (Poultney River Group) (Cambrian-Ordovician) (Vermont) (K-66)
- HUDSON BRIDGE Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- HUDSPETH Formation (Cretaceous) (Oregon) (L-81; S-81)
- HUDSPETH sand (=Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvania) (Oklahoma)
- HUDSPETH sand zone (Gray Strawn beds) (Deese Group) (Desmoinesian) (Pennsylvanian) (Texas) (J-57)
- HUECO Group (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- HUECO Limestone (Wolfcamp Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (W-38; K-66; S-81)
- HUECO CANYON Formation (Hueco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-70)
- HUECONIAN Stage (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38)
- HUELSTER Formation (McCutcheon Group) (Tertiary) (Texas) (K-66)
- HUFF Member (Hell Creek Formation) (Cretaceous) (North Dakota) (L-81)
- HUFF sand (below Sadler lime) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- HUGHES Member (Dorcheat Formation) (Cotton Valley Group) (Lower Cretaceous) (Louisiana)
- HUGHES CREEK Shale Member (Foraker Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

- HULAH Sandstone Member (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- HULL SILK sand (=Bull Creek Sandstone) (above Thurber coal) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- HUMBOLDT Clays (Quaternary) (Nevada) (K-70)
- HUMBOLDT Formation (Miocene-Pleistocene) (Nevada) (W-38; K-66)
- HUMBOLDT Limestone (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- HUMBOLDT Limestone Member (=Don Limestone Member) (Syrena Formation) (Pennsylvanian) (New Mexico) (W-38; K-66)
- HUMBOLDT Oolite (Mississippian) (Iowa) (W-38; K-66)
- HUMPHREY sand (Chemung Group) (Devonian) (New York) (W-38; K-66)
- HUMPHREY Shale (=Auburn and Wakarusa units) (Bern Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- HUMPHREY CREEK Shale (=Humphrey Shale) (W-38; K-66)
- HUMPHREYS sand (=Overbrook Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- HUMPHRIES sand (=Humphreys sand) (J-57)
- HUNTON Group (Upper Ordovician-Lower Devonian) (Oklahoma) (W-38; J-57; K-66)
- HUNTON Limestone Megagroup (=Hunton Group) (K-70)
- HURONIAN Series (Precambrian)(Lake Huron area) (USA) (W-25; W-38; K-66)
- HURRICANE Diabase (Quaternary) (Utah) (L-81)
- HURRICANE Graywacke (Precambrian) (North Carolina) (K-66)
- HURRICANE Lentil (Landrum Member) (Cook Mountain Formation) (Eocene) (Texas) (K-66)
- HURRY-UP sand (Dickerson Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)(W-38)
- HURRY-UP sand (Saltsburg, Mahoning units) (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38)
- HURRY-UP sand (Waynesburg Sandstone Member) (Washington Formation) (Pennsylvanian) (West Virginia) (W-38)
- HURST sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- HUSHPUCKNEY Shale Member (Swope Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- HUTCHINS Member (=Vinson Chalk) (Austin Group) (Upper Cretaceous) (Texas) (K-70)
- HUTCHINSON Salt Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- HUTCHISON Limestone (=Lucas Limestone) (Devonian) (Iowa) (W-38; K-66)
- HUTCHISON Salt Bed (=Hutchinson Salt Member) (W-38; K-66)
- HUTSON sand (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- HYDRAULIC limestone (=Verdigris Limestone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38)
- HYE Granite (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66; S-81)
- HYPOZOIC Era or Erathem (Precambrian) (England) (W-25; W-38)

I

- I zone (=Ivan Limestone) (Gaptank Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- IATAN Limestone (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- IBEX Limestone Member (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66)
- ICONIUM Shale Member (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- IDALIA Clay (Tertiary) (Missouri) (W-38; K-66)
- IDEAL Gypsum Member (=Childress Dolomite) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38)
- IDEAL QUARRY Member (Keel Formation) (Chimneyhill Subgroup) (Hunton Group) (Richmondian) (Cincinnati) (Upper Ordovician) (Oklahoma) (K-66)
- IDENBRO Limestone Bed (=Sni Mills Limestone Bed) (Lenapah Limestone Member) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- IGNEOUS boulders (Precambrian) (Haymond Formation) (Pennsylvanian) (Texas)
- IGNEOUS boulders (Precambrian) (Blakely - Bigfork) (Ordovician) (Arkansas) (Oklahoma)
- IGNEOUS rocks (Precambrian) (Arbuckle terrane) (Oklahoma)
- IGNEOUS rocks (Precambrian) (Llano terrane) (Texas)
- IGNEOUS rocks (Precambrian) (Ozark terrane) (Missouri; Arkansas; Oklahoma)
- IGNEOUS rocks (Precambrian) (Panhandle terrane) (Texas)
- IGNEOUS rocks (Precambrian) (Red River terrane) (Texas)
- IGNEOUS rocks (Precambrian-Cambrian) (Trans-Pecos terrane) (Texas)
- IGNEOUS rocks (Cambrian) (Wichita-Amarillo terrane) (Oklahoma; Texas)
- IGNEOUS rocks (Upper Cretaceous) (Arkansas; Louisiana; Mississippi; Texas)
- IGNEOUS rocks (Cenozoic) (Texas)
- ILLINOIAN Stage (Pleistocene) (Illinois) (W-38; K-66)
- IMO Formation (=Peyton Creek Shale) (Chesterian) (Mississippian) (Arkansas) (K-70)
- INDEPENDENCE Limestone (=Dennis Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- INDEPENDENCE sand (=Bluejacket Sandstone ?) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- INDEPENDENCE Shale (Devonian) (Iowa) (W-38; K-66)
- INDEPENDENCE Till (Pleistocene) (Minnesota) (L-81)
- INDIAN CAVE Sandstone (Towle Shale Member) (Onaga Shale) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- INDIAN CREEK Amphibolite (Tertiary) (Washington) (L-81)
- INDIAN CREEK Bed (below Ricker Station Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- INDIAN CREEK Granite (Precambrian) (Colorado) (K-66)

INDIAN CREEK Shale Member (= Wildcat Creek Shale) (Admiral Formation) (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)

INDIAN TERRITORY Division (= Washita Group) (Cretaceous) (Oklahoma) (W-38; K-66)

INDIO Formation (Paleocene-Eocene) (Texas) (W-38; K-66)

INDIO Formation (= Palm Spring and Painted Hill units) (Miocene) (California) (W-38; K-66)

INGLESIDE Chert Member (Franciscan Formation) (Jurassic-Cretaceous) (California) (W-38; K-66)

INGLESIDE Formation (Gearyan) (Pennsylvanian) (Colorado) (W-38; K-66)

INDGLSIDE Lens (Beaumont Clay) (Pleistocene) (Texas) (K-66)

INGRAHAM sand (= Ingram sand) (Oklahoma) (W-38)

INGRAM sand (= Cromwell or lower Union Valley units) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)

INOLA Limestone Member (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)

INOLA sand (= Burgess sand) (McCurtain Shale Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

INOLA sand (below Inola Limestone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

INSCORE sand (= Rod Club Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)

INSECT Bed (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma)

INSTITUTE Limestone (= Haskell Limestone Member) (Lawrence Formation) (Douglas Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

INTERIOR OUACHITA Metamorphic Suite (Precambrian-Pennsylvanian) (Ouachita terrane) (Texas)

IOWA Beds (= Chanute through Vilas units) (Kansas City - Lansing Groups) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

IOLA Limestone (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

IOLA Shale (= Lane, Wyandotte, Bonner Springs units) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

IOLA POINT Shale Member (Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

IOWA POINT Till (Pleistocene) (Kansas) (K-70)

IRELAND Sandstone Member (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

IRISH sand (Tyner Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)

IRON MOUNTAIN Conglomerate (= Pilot Knob Conglomerate or basal Lamotte Sandstone) (Cambrian) (Missouri) (W-38; K-66)

IRON MOUNTAIN Formation (Precambrian-Cambrian) (Virginia) (K-70)

IRON MOUNTAIN Intrusive (Cretaceous ?) (Texas) (W-38; K-66)

IRON MOUNTAIN Porphyry (Precambrian) (Missouri) (W-38; K-66)

IRON MOUNTAIN Rhyolite (Oligocene) (Colorado) (K-70)

IRON MOUNTAIN Series (=Valley Spring Gneissic Suite) (Precambrian) (Texas) (W-38; K-66)
 IRON POST coal bed (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
 IRONS FORK MOUNTAIN Formation (lower Jackfork Group) (Morrowan) (Pennsylvanian) (Arkansas) (K-70)
 IRONTON Granite (Precambrian) (Missouri) (K-66)
 IRONTON Rhyolite (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
 IRONTON Sandstone Member (Franconia Sandstone) (Upper Cambrian) (Wisconsin) (W-38; K-66)
 IRONTON Slate (Precambrian) (Missouri) (W-38; K-66)
 ISLAND CREEK Shale Member (Wyandotte Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
 IVAN Limestone Member (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
 IVES Breccia Member (Houy Formation) (Upper Devonian) (Texas) (K-66)
 IZARD Limestone (=Plattin and Joachim units) (Ordovician) (Arkansas) (W-38; K-66)

J

J zone (Baxter Springs Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
 J zone (=Speck Mountain Limestone) (Gaptank Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
 J. N. BATEMAN sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
 JACKFORK Group (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; K-66; C-76)
 JACKSBORO Formation (lower Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
 JACKSBORO Limestone Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
 JACKSON Formation (=Saginaw Formation) (Pennsylvanian) (Michigan) (W-38; K-66)
 JACKSON Group (Eocene) (Louisiana) (W-38; K-66)
 JACKSON Limestone Member (Greene Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
 JACKSON Rhyolite (Pliocene) (Wyoming) (K-70)
 JACKSON rocks (Marietta Sandstone) (Pennsylvanian) (West Virginia) (W-38)
 JACKSON sand (Cypress Sandstone) (Mississippian) (Illinois) (W-38)
 JACKSON sand (above Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
 JACKSON PARK Shale Member (Kanwaka Shale) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
 JACKSONIAN Stage (Eocene) (Gulf Coast) (USA) (W-38; K-66)

- JACOB lime (=lower Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- JACOB sand (Jackson Group) (Eocene) (Texas) (W-38)
- JACOB Sand (Pleistocene) (New York) (W-38; K-66)
- JACOB Stage (Pleistocene) (New York) (W-38)
- JAGGER BEND Limestone Member) (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- JAMBERS Sand (Jackson Group) (Eocene) (Texas)
- JAMES Limestone (Trinity Group) (Lower Cretaceous) (Louisiana) (K-66)
- JAMES RIVER Formation (Ordovician) (Nova Scotia) (Canada) (W-38)
- JAMES RIVER Member (Patuxent Formation) (Cretaceous) (Virginia) (W-38; K-66)
- JAMES RIVER Shale (Devonian ?) (Missouri) (W-38; K-66)
- JANESVILLE Shale (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (K-66)
- JANESVILLE Shale (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (K-66)
- JANESVILLE Till (Pleistocene) (Wisconsin) (L-81)
- JANSSEN Clay (Dakota Group) (Cretaceous) (Kansas) (K-66)
- JARVIS CHURCH Conglomerate (above Grayhorse Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (K-66)
- JASPER Conglomerate (Precambrian) (Minnesota) (W-38; K-66)
- JASPER Limestone Member (Everton Formation) (Whiterockian) (Ordovician) (Arkansas) (W-38; K-66)
- JASPER Series (Precambrian) (Alberta) (Canada) (W-38)
- JASPER CREEK Shale Member (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- JAVELINA Formation (Tornillo Group) (Upper Cretaceous) (Texas) (K-70)
- JEFF Conglomerate (Tertiary) (Texas) (K-66)
- JEFFERSON Dolomite (=Jefferson City Dolomite) (Ordovician) (Missouri) (W-38)
- JEFFERSON Formation (Devonian) (Montana) (W-38; K-66)
- JEFFERSON sand (lower Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- JEFFERSON sand (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- JEFFERSON CITY Dolomite (Canadian) (Lower Ordovician) (Missouri) (W-38; K-66)
- JEFFERSON CITY Group (Ordovician) (Missouri) (W-38; K-66)
- JEFFERSONIAN Stage (Ordovician) (Missouri) (K-66)
- JEFFERSONIAN Stage (Pleistocene) (Oregon) (W-38; K-66)
- JENKINS Clay (below Altona Dolomite) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Kansas) (W-38; K-66)
- JENKINS sand (Atoka Formation) (Desmoniesian) (Pennsylvanian) (Arkansas)
- JENKINS BRANCH Chert Bed (Cotter Dolomite) (Lower Ordovician) (Arkansas) (K-66)
- JENKS coal bed (Nowata Formation) (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

- JENKS Sandstone Member (Nowata Formation) (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- JENNINGS Formation (Devonian) (Virginia) (W-38; K-66)
- JENNINGS Limestone Member (Mingus Formation ?) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- JENNINGS sand (=Dobbs Valley Sandstone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- JENNINGS sand (Cook Mountain Formation) (Eocene) (Texas)
- JESSE Sandstone Member (Catron Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
- JESSE or JESSIE lime (=Griley limestone ?) (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- JESTER Dolomite Member (below Cedartop Gypsum) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- JESTER sand (=Duncan Sandstone) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; J-57)
- JETMORE Chalk Member (Greenhorn Limestone) (Upper Cretaceous) (Kansas) (W-38; K-66)
- JIM CREEK Limestone Member (Root Shale) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- JIM NED Shale Member (Admiral Formation) (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66)
- JOACHIM Dolomite (Whiterockian) (Ordovician) (Missouri) (W-38; K-66)
- JOHNS VALLEY Shale (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- JOHNSON Granite Porphyry (Cretaceous ?) (California) (W-38; K-66)
- JOHNSON Gravel (Miocene) (California) (W-38; K-66)
- JOHNSON Member (Snake Creek Formation) (Miocene) (Nebraska) (L-86)
- JOHNSON sand (above Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- JOHNSON sand (=Oil Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- JOHNSON Shale (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- JOHNSON-ATLANTIC zone (Arnold Limestone and Johnson sand) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- JOHNSON SHUT-INS Rhyolite (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri)(L-91)
- JOINS Formation (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57; K-66)
- JOINS RANCH Formation (=Joins Formation) (Ordovician) (Oklahoma) (W-38; K-66)
- JOLLIFF Conglomerate Member (=basal Primrose Sandstone) (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; K-66; C-76)
- JOLLY Limestone Member (McLeansboro Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
- JOLLY Limestone Member (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

JONAH Limestone (Austin Group) (Upper Cretaceous) (Texas) (K-70)
 JONES Formation (Oligocene) (Texas) (L-81)
 JONES sand (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
 JONES sand (Golconda Formation) (Upper Mississippian) (Kentucky) (W-38)
 JONES sand (Hardinsburg Sandstone) (Upper Mississippian) (Kentucky) (W-38)
 JONES sand (=Hepler Sandstone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
 JONES sand (Jurassic) (Arkansas)
 JONES sand (Lee Formation) (Pottsville Group) (Pennsylvanian) (Kentucky) (W-38)
 JONES sand (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
 JONES sand (upper Ashton sand) (Pliocene) (California) (W-38)
 JONES COUNTY SWASTIKA sand (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
 JONES POINT Shale Member (Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
 JONES RANCH Formation (Pleistocene) (Kansas) (K-66)
 JONESBURG Sandstone Lentil (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
 JOPLIN Member (Keokuk Formation) (Boone Group) (Osagean) (Mississippian) (Missouri) (L-81)
 JOSE Formation (El Paso Group) (Ordovician) (Texas) (K-70)
 JOSE Shale Member (Yegua Formation) (Eocene) (Texas) (K-66)
 JOYITA Sandstone Member (Yeso Formation) (Leonardian) (Permian) (New Mexico) (K-66)
 JUDKINS Formation (Quaternary) (Texas) (K-66)
 JULIANA sand (=Rochelle Conglomerate Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
 JUNCTION Formation (Precambrian) (Colorado) (L-81)
 JUNCTION Limestone (Jurassic) (Utah) (W-38; K-66)
 JUNCTION pay (Bluff Creek Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
 JUNCTION PENN pay (upper East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian)(Texas)
 JURASSIC Limestone (=Smackover Formation) (Upper Jurassic) (Texas)
 JURASSIC System (140-200 m.y.) (Mesozoic Era or Erathem) (Europe) (W-25; W-38; C-76; L-86)
 JUSTISS sand (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
 JUSTISS Tongue (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)

K

K lime (=Capps Limestone Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

- K zone (anorthosite) (Glen Mountains Layered Complex) (Cambrian or Precambrian) (Wichita terrane) (Oklahoma)
- K zone (Baxter Springs Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
- K.M.A. lime (=Natsy Limestone and Lake Pinto Sandstone) (Deese-Strawn Groups) (Desmoinesian) (Pennsylvanian) (Oklahoma; Texas)
- KAGAY sand (above Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- KAINER Formation (Edwards Group) (Lower Cretaceous) (Texas) (L-81)
- KAMP RANCH Limestone (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-70)
- KANAWHA black flint member (Allegheny Formation) (Pittsburgh Group) (Pennsylvanian) (West Virginia) (W-38; K-66)
- KANAWHA Formation (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-66)
- KANAWHA Formation (Pottsville Group) (Pennsylvanian) (West Virginia) (W-38; K-66)
- KANAWHA Series (Pennsylvanian) (West Virginia; Pennsylvania) (W-38; K-66)
- KANSAN Period (Cherokee through Neva units) (Desmoinesian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38: K-66)
- KANSAN Stage (Pleistocene) (Kansas) (W-38; K-66)
- KANSAS onyx (Medicine Lodge Gypsum Member) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Kansas) (W-38)
- KANSAS Till (Pleistocene) (Kansas) (K-66)
- KANSAS CITY Group (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- KANSAS CITY Limestone (=Westerville Limestone Member) (Cherryvale Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- KANSAS CITY Oolite (=Kansas City Limestone) (=Westerville Limestone) (W-38; K-66)
- KANWAKA Shale (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- KAPPA Subdivision (Torcer Formation) (Cretaceous) (Texas) (W-38)
- KASIMOVIAN Series (300-315 m.y.) (=Missourian Series) (Upper Carboniferous or Pennsylvanian) (Russia)
- KASKASKIA Group (=Chesterian Series) (Mississippian) (Illinois) (W-38; K-66)
- KASKASKIA Sequence (Chattanooga-Saints Genevieve units) (Upper Devonian-Middle Mississippian) (Illinois) (K-66)
- KASKASKIAN Series (=Chesterian Series) (Mississippian) (Illinois) (W-38)
- KATEMCY Series (=Wilberns Formation) (Cambrian) (Texas) (W-38; K-66)
- KATZ 5100-foot sand (=Comanche Creek Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- KAVANAUGH sand (Cadeville Tongue) (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (K-70)
- KAWVIAN Series (Missourian-Virgilian) (Pennsylvanian) (Kansas) (K-66)
- KAZANIAN Series (=Upper Guadalupian) (Permian) (Russia)
- KEARNEY formation (Morrowan) (Pennsylvanian) (Kansas) (K-66)
- KEECHI CREEK sand (Turkey Creek Sandstone Bed) (Keechi Creek Shale Member) (Mineral Wells Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)

- KEECHI CREEK Shale Member (Mineral Wells Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- KEEL Oolite (Chimneyhill Subgroup) (Hunton Group) (Richmondian) (Cincinnati) (Upper Ordovician) (Oklahoma) (K-66)
- KEEN Conglomerate Bed (=Rough Creek Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- KEEWATIN Group (Precambrian) (Minnesota) (K-66)
- KEEWATIN Series (Precambrian) (Lake Superior Region) (USA) (W-25; W-38; K-66)
- KEEWATIN Till (Pleistocene) (Lake Superior Region) (USA) (W-38)
- KELLY Formation (Pennsylvanian) (Utah) (K-66)
- KELLY granite wash (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- KELLY Limestone (Mississippian) (New Mexico) (W-38; K-66)
- KELLY sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- KELLY sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- KELSO sand (Okesa Sandstone Member) (Barnsdall Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- KEMP Clay (Navarro Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- KEN pay (Mingus Formation) (Strawn group) (Desmoinesian) (Pennsylvanian) (Texas)
- KENOSHA Shale Member (Tecumseh Shale) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- KENT Formation (Jurassic) (British Columbia) (Canada) (W-38)
- KENT Limestone Bed (Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
- KENT Till (Pleistocene) (Ohio) (K-66)
- KEOKUK Formation (Osagean) (Mississippian) (Iowa) (W-38; K-66)
- KEOKUK Group (=Osagian Series) (Mississippian) (Iowa) (W-38)
- KEOTA Sandstone Member (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- KEREFORD Limestone Member (Oread Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- KERENS Member (Wills Point Formation) (Midway Group) (Paleocene) (Texas) (W-38; K-66)
- KESSLER Limestone Member (=Wapanucka Limestone) (upper Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas) (W-38; J-57; K-66; C-76)
- KESSLER sand (=Kistler sand) (Oklahoma) (J-57)
- KETCHERSIDE Tuff (Van East Volcanic Suite) (Precambrian) (Missouri) (K-70)
- KETCHUM BLUFF Conglomerate (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- KETONA Dolomite (Knox Group) (Dresbachian) (Croixian) (Upper Cambrian) (Alabama) (W-38; K-66; S-81)
- KEWEENAWAN Series (Precambrian) (Michigan) (W-25; W-38; K-66)
- KEWSTER Limestone (=Kessler Limestone) (J-57)
- KEY Sandstone (=Saint Peter and Sylamore units) (Ordovician; Devonian) (Arkansas) (W-38; K-66)

- KEYES sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- KEYS sand (above Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- KEYS VALLEY Marl Member (Walnut Clay) (Lower Cretaceous) (Texas) (K-70)
- KEYSTONE DAM Limestone Member (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (L-81)
- KEYSTONE PARK Member (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (L-81)
- KIAMICHI Formation (Fredericksburg Group) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
- KIAMITIA Clay (=Kiamichi Formation) (W-38)
- KICKAPOO Beds (Pleistocene) (Illinois) (W-38; K-66)
- KICKAPOO Limestone (=Iatan and Haskell units) (Lansing-Douglas Groups) (Missourian-Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- KICKAPOO Marl (=Marlbrook Marl) (Upper Cretaceous) (Texas) (W-38; K-66)
- KICKAPOO sand (McLeansboro Formation) (Pennsylvanian) (Illinois) (W-38)
- KICKAPOO CREEK Formation (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- KICKAPOO FALLS Limestone Bed (Lazy Bend Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- KIEFER sand (Nowata Shale) (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- KIEFER sand (Tyner Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- KIEFER Sandstone Member (=Keefer) (Mifflin Formation) (Silurian) (Maryland) (W-38)
- KIGER Shale Member (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Kansas) (W-38; K-66; K-70)
- KIHEKI Sandstone Member (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)
- KILLARNEY Granite (Precambrian) (Ontario) (Canada) (W-38; K-66)
- KILLARNEY Revolution (Precambrian) (Great lakes Region) (USA) (W-25; W-38)
- KILPATRICK Lentil (Cockfield Formation) (Tertiary) (Louisiana) (K-70)
- KIMBALL dirt (Muncie Creek Shale Member) (Iola Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38)
- KIMBALL Member (Ogallala Formation) (Pliocene) (Oklahoma) (K-66)
- KIMBALL sand (Mowry Shale) (Cretaceous) (Wyoming) (W-38)
- KIMBALL zone (Chesterian) (Mississippian) (Oklahoma)
- KIMBALLIAN Age (upper Pliocene) (Nebraska) (K-70)
- KIMBERLITE pipes (=Prairie Creek Lamproite or Periodotite) (Pre-Tokio) (Upper Cretaceous) (Arkansas)
- KIMMERIDGIAN Series (145-155 m.y.) (Upper Jurassic) (Europe)
- KIMMSWICK Limestone (Trentonian) (Ordovician) (Missouri) (W-38; K-66)
- KINCAID Formation (Midway Group) (Paleocene) (Arkansas) (W-38; K-66)
- KINDBLADE Formation (Arbuckle Group) (Canadian) (Lower Ordovician) (Oklahoma) (K-66)
- KINDERHOOK Shale (Lower Mississippian) (Illinois) (W-38; K-66)

- KINDERHOOKIAN Series (Lower Mississippian) (Illinois) (W-38; K-66)
- KING Limestone (=Smithville Limestone Member) (Powell Dolomite) (Ordovician) (Missouri) (W-38; K-66)
- KING sand (above Speck Mountain Limestone Member) (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- KING CREEK Marl Member (Zesch Formation) (Middle Devonian) (Texas)(K-66)
- KING HILL Shale Bed (Lecompton Limestone member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- KINGFISHER Formation (=Flowerpot and Duncan units) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- KINGFISHER CREEK Gypsum Bed (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- KINGMAN Rhyolite Suite (Miocene) (Arizona) (K-66)
- KINGMAN Siltstone (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (K-66)
- KINGS Limestone (=Smithville Limestone Member) (Powell Dolomite) (Ordovician) (Missouri) (W-38; K-66)
- KINGS BRANCH Limestone (=Kings Limestone) (Missouri) (W-38; K-66)
- KINGS RIVER Sandstone Member (Everton Formation) (Whiterockian) (Ordovician) (Arkansas) (W-38-K-66)
- KINGSDOWN Formation (Pleistocene) (Kansas) (W-38; K-66)
- KINGWOOD lime (=Union Valley Limestone) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- KINGWOOD sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- KINNEY Limestone Member (Matfield Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- KINNISON Shale Member (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- KINTER Formation (Miocene) (Arizona) (L-81)
- KINTER sand (=Oil Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- KIOWA Formation (Lower Cretaceous) (Oklahoma) (W-38; K-66)
- KIOWA PEAK sand (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- KIRBY Clay (Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
- KIRBY Granite (=Knox Mountain Granite ?) (Devonian ?) (Vermont) (W-38; K-66)
- KIRBY Quartz Monzonite (Devonian) (Vermont) (K-66)
- KIRBY sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- KIRBY LAKE Limestone Member (Arroyo Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (K-66)
- KIRBY LAKE Member (Kewaunee Formation) (Pleistocene) (Wisconsin) (L-91)
- KIRKIDIUM biofacies (Henryhouse Formation) (Hunton Group) (Silurian) (Oklahoma)
- KIRSCHBERG Gypsum Bed (Edwards Limestone) (Lower Cretaceous) (Texas) (K-66)

- KISER Gypsum Bed (Flowerpot Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- KISNER lime (Herington Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- KISNER sand (Matfield Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- KISSINGER or KISINGER reef (lower Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- KISSINGER or KISINGER sand (below Salem School Limestone Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; L-81)
- KISSINGER or KISINGER sands 1, 1A, 1B, 2, 3 (lower Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- KISTLER sand (between Natsy and Rocky Point units) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- KITE Group (=Haragan and Bois d'Arc units) (Hunton Group) (Lower Devonian) (Oklahoma) (K-66)
- KNIFETON coal bed (=Bluejacket coal ?) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas)
- KNIFETON Formation (=Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas)(K-66)
- KNIGHT RANCH Conglomerate (=Rough Creek Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- KNIPPA basalt (post-Eagle Ford, pre-Austin) (Upper Cretaceous) (Texas) (K-70)
- KNOBLOCK Granite (Bevos Intrusive Suite) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (W-38; K-66)
- KNOBS Megagroup (post-Hunton, pre-Chouteau) (Devonian-Mississippian) (Midcontinent) (USA) (K-70)
- KNOBTOWN Sandstone (above Checkerboard or Exline Limestone) (Pleasanton Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- KNOWLES Limestone Member (Schuler Formation) (Cotton Valley Group) (Lower Cretaceous) (Louisiana) (K-70)
- KNOX dolomite (Knox Group) (Upper Cambrian-Lower Ordovician) (Tennessee) (W-38; K-66; S-81)
- KNOX Gneiss (Middle Paleozoic ? or Precambrian ?) (Maine) (W-38; K-66; S-81)
- KNOX Group (=Costanaula Group) (Cambrian) (Tennessee)(K-70)
- KNOX Group (Upper Cambrian-Lower Ordovician) (Tennessee) (W-38; K-66; K-70; S-78; S-81)
- KNOX limestone (Knox Group) (Lower Ordovician) (Mississippi) (S-81)
- KNOX Megagroup (Upper Cambrian-Lower Ordovician) (Tennessee) (K-70)
- KNOX sand (Pottsville Group) (Pennsylvanian) (Kentucky) (W-38)
- KNOX sand (=Ryan Sandstone Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; J-57)
- KNOX Sandstone (=Rome Formation) (Lower Cambrian) (Tennessee) (W-38; K-66)
- KNOX Shale (=Conasauga Shale) (Middle to Upper Cambrian) (Tennessee) (W-38; K-66)

KOGER Limestone Lentil (Fayetteville Shale) (Chesterian) (Mississippian) (Arkansas) (K-70)
 KOKERNOT Formation (Holocene) (Texas) (K-66)
 KONAWA Formation (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)
 (Oklahoma) (W-38; K-66)
 KONAWA sand (=Cromwell or lower Union Valley) (Morrowan) (Pennsylvanian) (Oklahoma)
 (J-57)
 KOSCIUSKO Formation (Claiborne Group) (Eocene) (Mississippi) (W-38; K-66; S-81)
 KOSTER Clay Member (Brownstown Marl) (Upper Cretaceous) (Arkansas) (W-38; K-66)
 KREBS Subgroup (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
 KRIDER Limestone Member (Nolans Limestone) (Oscar Group) (Gearyan-Lyonian)
 (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
 KRIZ Limestone Lens (Hueco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian)
 (Texas) (K-66)
 KUNGURIAN Series (=lower Guadalupian) (Permian) (Russia)

L

L sand (=Arnold Limestone) (Maroon Strawn beds) (Strawn Group) (Desmoinesian)
 (Pennsylvanian) (Texas)
 L zone (anorthosite gabbro) (Glen Mountains Layered Complex) (Cambrian or Precambrian ?)
 (Oklahoma)
 L zone (Baxter Springs Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)

La BOCA Formation (Triassic) (Mexico)
 La CAJA Formation (Upper Jurassic-Lower Cretaceous) (Texas)
 La CYGNE Shale (=Holdenville and Pleasanton units) (Desmoinesian-Missourian)
 (Pennsylvanian) (Kansas) (W-38; K-66)
 La HUERTA Siltstone Member (Salado Formation) (Ochoan) (Permian) (Texas) (K-66)
 La PERLA Shale Member (Yegua Formation) (Eocene) (Texas) (K-66)
 La PRYOR Limestone (Cretaceous) (Texas)
 La TUNA Member (Magdalena Formation) (Pennsylvanian) (Texas) (K-66)
 La YERBA Novaculite (Silurian-Mississippian) (Mexico)

LABADIE Limestone Member (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian)
 (Oklahoma) (W-38; K-66)
 LABAHIA Member (Goliad Formation) (Pliocene) (Texas) (W-38; K-66)
 LABERDIE Limestone Bed (=Coal City Limestone) (Pawnee Limestone Member) (Oologah
 Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
 LABETTE Beds (=Pawnee, Labette, Fort Scott units) (Marmaton Group) (Desmoinesian)
 (Pennsylvanian) (Kansas) (W-38; K-66)
 LABETTE Shale (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
 LABORCITA Formation (Magdalena Group) (Virgilian-Gearyan) (Pennsylvanian) (New Mexico)
 (K-66)

- LACKEY sand (above Confederate coal) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- LADINIAN Series (230-240 m.y.) (Middle Triassic) (Europe)
- LADORE Shale (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- LAEL sand (Hilltop Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- LAFAYETTE Formation (=Wilcox, Eocene, Brandywine, Pleistocene, Bryn Mawr, Charlton, and Citronelle units) (Cenozoic Era) (Midcontinent; Gulf Coast) (USA) (W-38; K-66)
- LAFAYETTE Granite Porphyry (Upper Carboniferous ?) (New Hampshire) (W-38; K-66)
- LAFAYETTE Member (Epler Formation) (Ordovician) (New Jersey) (L-86)
- LAFAYETTE Serpentine (Precambrian) (Pennsylvania) (W-38; K-66)
- LAFFERTY Limestone (Middle Silurian) (Arkansas) (W-38; K-66)
- LAGARTO Clay (=Cuero Formation) (Fleming Group) (Miocene) (Texas) (W-38; K-66)
- LAGARTO CREEK Clay Member (Goliad Formation) (Pliocene) (Texas) (W-38; K-66)
- LAGONDA Sandstone Member (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- LAKE Amygdaloid (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (W-38; K-66)
- LAKE Basalt (Pliocene-Pleistocene) (California) (K-66)
- LAKE Flow (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (W-38; K-66)
- LAKE Gneiss (=Lake Winnepesaukee Gneiss) (Precambrian-Carboniferous ?) (New Hampshire) (W-38; K-66)
- LAKE lode (Lake Amygdaloid) (Precambrian) (Michigan) (W-38)
- LAKE Quartz Syenite (White Mountain Igneous Suite) (Triassic or Jurassic) (New Hampshire) (W-38; K-66)
- LAKE Quartzitic Schist (Lower Paleozoic or older) (Alaska) (W-38; K-66)
- LAKE sand (Smithwick Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- LAKE ARDMORE Sandstone (Springer Group) (Noble Ranch Group) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; K-66; C-76)
- LAKE BRIDGEPORT Shale Member (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- LAKE CHARLES Formation (Holocene) (Texas) (K-66)
- LAKE CISCO Sandstone Member (=Cisco Lake Sandstone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (K-66)
- LAKE CROCKETT Formation (=Maribel Shale) (Eagle Ford Group) (Upper Cretaceous) (Texas)(K-66)
- LAKE KEMP Limestone Member (Lueders Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- LAKE LLOYD VINCENT volcanic ash (Ogallala Formation) (Pliocene) (Oklahoma)
- LAKE LYTLE Limestone Member (=Lytle Limestone) (Arroyo Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- LAKE MERRITT Member (Paluxy Sandstone) (Lower Cretaceous)(Texas)(L-86)

- LAKE MURRAY Formation (above Otterville through Pumpkin Creek) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66; C-76)
- LAKE NEOSHO Shale Bed (Altamont Limestone Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- LAKE PINTO Sandstone Bed (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- LAKE TRAMMEL Sandstone (=Rush Springs Sandstone) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- LAKE WACO Formation (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-66)
- LAKOTA Sandstone (basal Dakota Group) (Lower Cretaceous) (South Dakota) (W-38; K-66)
- LAMAR Limestone Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- LAMOTTE Sandstone (Dresbachian) (Croixian) (Upper Cambrian) (Missouri) (W-38; K-66)
- LAMPASAS Series (upper Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- LAMPROITE diamond pipes (=Prairie Creek Lamproite) (Upper Cretaceous) (Arkansas)
- LANDRUM lime (above Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LANDRUM Shale Member (Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (K-66)
- LANE Shale (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- LANEVILLE Shale (=Labette through Tacket units) (Marmaton-Pleasanton Groups) (Desmoinesian-Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- LANGDON Shale (=Wamego Shale Member) (Zeandale Limestone) (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (K-66)
- LANGHIAN Stage (15.4-17 m.y.) (Miocene Series) (Europe)
- LANGTRY Member (Boquillas Formation) (Upper Cretaceous) (Texas) (L-81)
- LANORIA Quartzite (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
- LANPHIER Beds (=Cheyenne Sandstone) (Lower Cretaceous) (Kansas) (W-38; K-66)
- LANSFORD zone (=Healdton sand) (Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- LANSING Group (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- LANSING Moraine (Pleistocene) (Michigan) (W-38)
- LANSINGAN Series (Cambrian) (Missouri) (K-66)
- LAPARA Member (Goliad Formation) (Pliocene) (Texas) (W-38; K-66)
- LARAMIDE Revolution (Cretaceous-Tertiary) (Western USA) (W-38; K-66)
- LAREDO Formation (Eocene) (Texas) (K-66)
- LARSH Shale Member (Deer Creek Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- LARSH-BURROAK Shale Bed (Deer Creek Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- LAS CRUCES Limestone (Mississippian) (Texas) (K-66)
- LAS VIGAS Formation (Cretaceous) (Texas) (W-38; K-66)

LASCA Formation (Cretaceous) (Texas) (K-66)
LAURENTIAN Clay (Pleistocene) (Great Lakes Region) (USA) (W-38)
LAURENTIAN Series (Precambrian) (Great Lakes Region) (USA) (W-25; W-38; K-66)
LAVERNE Member (Ogallala Formation) (Pliocene) (Oklahoma) (W-38; K-66)
LAVON Member (Pecan Gap Formation) (Upper Cretaceous) (Texas) (L-91)
LAWRENCE Clay Bed (Allegheny Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
LAWRENCE coal bed (Allegheny Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
LAWRENCE cyclothem (Allegheny Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
LAWRENCE Shale Member (Allegheny Formation) (Pennsylvanian) (Ohio) (K-66)
LAWRENCE Shale (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
LAWTON Clay Member (Vashon Drift) (Pleistocene) (Washington) (K-70)
LAWTON sand (Garber Sandstone) (Leonardian) (Permian) (Oklahoma) (J-57)
LAYTON lime (=Hogshooter Limestone) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
LAYTON sand (=Dodds Creek Sandstone Member) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
LAYTON zone (lower Francis Shale) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
LAZY BEND Member (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
Le ROY Moraine (Pleistocene) (Illinois) (W-38; K-66)
Le ROY Shale (=Weston through Haskell units) (Lansing-Douglas Groups) (Missourian-Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
LEANDER Beds (=Edwards Limestone) (Lower Cretaceous) (Texas) (W-38; K-66)
L'EAU FRAIS Shale (=Manchester Shale) (Eocene) (Arkansas) (W-38; K-66)
LEAVENWORTH Limestone Bed (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
LEAVENWORTH Stage (Pleistocene) (Washington) (K-66)
LECOMPTON Beds (=Kanwaka through Calhoun units) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
LECOMPTON Limestone Member (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
LECOMPTON Shale (=Kanwaka Shale) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
LEE RANCH Tongue (Abo Sandstone) (Leonardian) (Permian) (New Mexico) (K-66)
LEGION Shale (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
LEGION CREEK Granite (Precambrian) (Texas) (K-66)
LEHIGH coal bed (=McAlester coal) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
LEHIGH Limestone (Ordovician) (Pennsylvania) (W-38; K-66)
LEIDECKER sand (Atoka Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

- LEMONS BLUFF Beds (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- LENA Member (Fleming Formation) (Miocene) (Louisiana) (K-66)
- LENAPAH Limestone Member (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- LENOX HILLS Formation (Wolfcamp Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66; S-81)
- LEON Series (=Wilberns through Gorman units) (Upper Cambrian-Lower Ordovician) (Texas) (W-38; K-66)
- LEONA Formation (Pleistocene) (Texas) (W-38; K-66)
- LEONA Rhyolite (Pliocene) (California) (W-38; K-66)
- LEONARD Formation (Leonardian) (Permian) (Texas) (W-38; K-66)
- LEONARDIAN Series (270-275 m.y.) (=Artinskian) (Permian) (Texas) (W-38; K-66)
- LEPTITE (Valley Spring Gneiss Group) (Llano terrane) (Y Series)(Middle Proterozoic) (Precambrian) (Texas)
- LEQUIRE Sandstone Member (McAlester Formation) (Cherokee Group)(Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- LESTER Limestone (Big Branch Formation) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- LETON Member (Dorcheat Formation) (Cotton Valley Group) (Upper Jurassic) (Louisiana)
- LEUCO-DIABASE (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- LEUCO-DIABASE dikes (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- LEVINSON Limestone Member (Boracho Limestone) (Six Shooter Group) (Lower Cretaceous) (Texas) (K-66)
- LEWISVILLE Member (Woodbine Formation) (Upper Cretaceous) (Texas) (W-38; K-66)
- LEXINGTON coal bed (Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LEXINGTON Group (=Marmaton Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- LEXINGTON Limestone (=Liberty Hall Limestone) (Ordovician) (Virginia) (W-38; K-66)
- LEXINGTON Limestone (Ordovician) (Kentucky) (W-38; K-66)
- LEXINGTON Substage (Pleistocene) (Massachusetts) (K-66; K-70)
- LIBERTY Memorial Shale (=Lane Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (K-66)
- LIGNITE Formation or LIGNITIC Group (=Fort Union, Lance, and Laramie units) (Cretaceous-Eocene) (Western USA) (W-38)
- LIGNITE Group or LIGNITIC Group (=Midway, Wilcox, and Claiborne units) (Paleocene-Eocene) (Gulf Coast; USA) (W-38)
- LIME HILL Member (Logansport Formation) (Wilcox Group) (Paleocene) (Texas) (K-66)
- LIMESTONE 1 (=North Leon Limestone Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)

- LIMESTONE 2 (=Bunger Limestone Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- LIMESTONE 3 (=Gunsight Limestone Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- LIMESTONE boulders (Middle Cambrian) (Haymond Formation) (Desmoinesian) (Pennsylvanian) (Texas)
- LIMESTONE GAP Shale (below Wapanucka Limestone) (above Union Valley Limestone) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66)
- LINCOLN Formation (Oligocene) (Washington) (W-38; K-66)
- LINCOLN Formation (Pleistocene) (Wisconsin) (L-91)
- LINCOLN Granite (Maine) (K-66)
- LINCOLN Granite Porphyry (Lower Tertiary) (Colorado) (W-38; K-66)
- LINCOLN Limestone Member (Greenhorn Limestone) (Cretaceous) (Colorado) (K-66; S-78)
- LINCOLN Sandstone (Cambrian) (Kentucky) (K-66)
- LINCOLN Slate (=Marlboro Formation) (Precambrian) (Massachusetts) (W-38; K-66)
- LINCOLNVILLE Chert Bed (zone L) (Baxter Springs Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma) (W-38; K-66)
- LINDSEY BRIDGE Member (Moorefield Formation)O (Meramecian) (Mississippian) (Oklahoma) (K-66)
- LINDSEY MOUNTAIN Rhyolite (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- LINN Gravel Member (Rowland Formation) (Pleistocene) (Oregon) (K-66)
- LINN Subgroup (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (K-66)
- LINWOOD Limestone Member (=Solon Limestone) (Cedar Valley Limestone) (Devonian) (Iowa) (W-38; K-66)
- LINWOOD Shale Bed (Captain Creek Limestone Member) (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- LINWOOD Shales (=Hertha through Bonner Springs units) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (K-66)
- LION MOUNTAIN Sandstone Member (Riley Formation) (Moore Hollow Group) (Dresbachian) (Croixian) (Upper Cambrian) (Texas) (W-38; K-66)
- LIPALIAN Era or Erathem (Precambrian) (USA) (W-38)
- LIPAN Beds (=Caddell Clay and McElroy Formation) (Eocene) (Texas) (W-38; K-66)
- LIPAN HILLS Sandstone Member (Whitsett Formation) (Eocene) (Texas) (K-70)
- LIPS sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- LISSIE Formation (Pleistocene) (Texas) (W-38; K-66)
- LITTIG Member (Kincaid Formation) (Midway Group) (Paleocene) (Texas) (W-38; K-66)
- LITTLE lime (above Big lime) (Mississippian) (Appalachians) (USA)
- LITTLE lime (Loyalhanna Limestone) (Mauch Chunk Group) (Mississippian) (Pennsylvania) (W-38)
- LITTLE lime (=Norfleet Limestone) (Lenapah Limestone Member) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

- LITTLE sand (=Arnold or Santo Limestone) (Maroon Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LITTLE BRAZOS Limestone Lentil (Cook Mountain Formation) (Eocene) (Texas) (W-38; K-66)
- LITTLE CABIN Sandstone (=Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- LITTLE ELM Shale Tongue (Templeton Member) (Woodbine Formation) (Upper Cretaceous) (Texas) (K-70)
- LITTLE HOMINY Limestone Bed (Topeka Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- LITTLE KAW Limestone (=South Bend Limestone) (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- LITTLE MISSOURI Lens (Newcastle Sandstone) (Cretaceous) (Wyoming) (K-66)
- LITTLE MISSOURI Shale (Wilcox Group) (Paleocene) (Arkansas) (W-38; K-66)
- LITTLE NATCHES Member (Cook Mountain Formation) (Eocene) (Louisiana) (K-66)
- LITTLE OSAGE Shale Member (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- LITTLE OSWEGO lime (=Verdigris Limestone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- LITTLE RIVER brown lime (=Spaniard Limestone) (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- LITTLE RIVER Complex (Silurian) (Maine) (K-70)
- LITTLE RIVER Conglomerate (=Boley or Cheshewalla units) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LITTLE RIVER Gneiss (Precambrian) (Virginia) (K-66)
- LITTLE RIVER Group (Silurian or Devonian) (New Brunswick) (Canada) (W-38)
- LITTLE RIVER Limestone (=Goodland and Kiamichi units) (=upper Little River Limestone) (Lower Cretaceous) (Arkansas) (W-38)
- LITTLE RIVER Metamorphic Suite (Paleozoic ?) (Georgia) (K-66)
- LIVE OAK BAR Formation (Pleistocene) (Texas) (K-66)
- LLANDEILIAN Series (460-475 m.y.) (Middle Ordovician) (Europe)
- LLANOVERIAN Series (420-425 m.y.) (Lower Silurian) (Europe)
- LLANO Supersuite (=Llano Series and Fernandan System) (Precambrian) (Texas) (W-25; W-38; K-66)
- LLANO ESTACADAN Series (=Ogallala Formation) (Miocene-Pliocene) (New Mexico) (W-38; K-66)
- LLANO ESTACADO Formation (=Ogallala Formation) (Miocene-Pliocene) (Texas) (W-38; K-66)
- LLANVIRNIAN Series (475-485 m.y.) (Middle Ordovician) (Europe)
- LOCKPORTIAN Stage (Middle Silurian) (New York) (W-38; K-66)
- LOCO Diorite (Eocene) (Montana) (W-38; K-66)
- LOCO lime (=Daube through Zuckerman units) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

- LOCO sand (=Daube through Zuckerman units) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- LOGANSPORT Formation (=Dolet Hills, Cow Bayou, and Lime Hill units) (Paleocene) (Texas) (K-66)
- LOGANSPORT Limestone (Devonian) (Indiana) (K-66)
- LOGGY BAYOU Member (Hall Summit Formation) (Paleocene) (Texas) (K-66)
- LOHN Bed (above Speck Mountain to Parks Mountain unit) (Thrifty-Harpersville Formations) (Visco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)
- LOMA BLANCA Sand (Santa Fe Group) (Tertiary) (New Mexico) (K-70)
- LOMA BLANCA Tongue (Yegua Formation) (Eocene) (Texas) (K-66)
- LOMA PLATA Limestone (Cretaceous) (Texas) (K-66)
- LONE CAMP Group (=Mingus, Brazos River, and East Mountain units) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- LONE CAMP Limestone (=Dog Bend Limestone) (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- LONE GROVE Granite (=Wolf Mountain Granite) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66)
- LONE GROVE sands 1-13 (between Arnold and Natsy units) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- LONE GROVE sands 1-11 (between Williams Limestone and Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LONE GROVE sand 12 (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LONE GROVE sand 13 (below Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LONE GROVE Series (=Packsaddle Schistose Suite) (Llano Supersuite) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
- LONE OAK Limestone Lentil (Kincaid Formation) (Paleocene) (Texas) (W-38; K-66)
- LONE WOLF Sandstone (=Duncan Sandstone) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- LONG CREEK Limestone Member (Foraker Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- LONG GROVE Series (=Lone Grove Series) (Precambrian) (Texas) (W-38)
- LONG ISLAND Beds (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (K-66)
- LONG ISLAND Division (=Far Rockaway Gravel) (Tertiary) (New York) (W-38; K-66)
- LONG ISLAND Flow (Portage Lake Volcanic Suite) (Precambrian) (Michigan) (L-81)
- LONG MOUNTAIN Granite (Devonian) (New Hampshire) (K-66)
- LONG MOUNTAIN Granite (Wichita Mountains Granite Group) (Middle Cambrian) (Oklahoma)
- LONG MOUNTAIN Series (=Packsaddle Schistose Suite and Coal Creek Serpentine) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
- LONGFORD Siltstone Member (Kiowa Formation) (Lower Cretaceous) (Kansas) (K-70)
- LOS ARRIEROS Shale Member (Yegua Formation) (Eocene) (Texas) (K-66)

- LOS GUERRAS Sandstone Member (Fayette Formation) (Eocene) (Texas) (W-38)
- LOSOYA CREEK Conglomerate Member (Sabinetown Formation) (Eocene) (Texas) (K-66; K-70)
- LOST CITY Limestone Member (Hogshooter Limestone) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- LOST CREEK Gneiss (Valley Spring Gneiss Group) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-70)
- LOST CREEK Granite (Canada)(W-38)
- LOST CREEK Limestone (Silurian) (Pennsylvania) (W-38; K-66)
- LOST CREEK Limestone Member (Breathitt Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
- LOST CREEK Member (Tiger Formation) (Eocene-Miocene) (Washington) (L-91)
- LOST CREEK Shale (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- LOST CREEK Trachyte Member (Sepulcher Formation) (Miocene or Pliocene) (Wyoming) (K-66)
- LOST MINE Rhyolite Member (South Rim Formation) (Oligocene) (Texas) (K-70)
- LOST QUARRY Beds (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (K-66)
- LOTT Chalk (=Marlin or Pecan Gap Chalk) (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- LOUANN Salt (Middle Jurassic) (Louisiana) (K-66)
- LOUANN sand (=Meakin sand) (Marlbrook Marl) (Upper Cretaceous) (Arkansas) (W-38)
- LOUARK Group (=Norphlet, Smackover, Buckner, and Haynesville units) (Upper Jurassic) (Arkansas; Louisiana) (K-70)
- LOUISIANA Group (=Werner Formation and Louann Salt) (Middle Jurassic) (Louisiana)
- LOUISIANA Limestone (Kinderhookian) (Mississippian) (Missouri) (W-38; S-81)
- LOUP FORK Beds (=Loup River Beds) (W-38; K-66)
- LOUP RIVER Beds (=Arikaree, Ogallala, and Pleistocene units) (Miocene-Pleistocene) (Nebraska)(W-38; K-66)
- LOUTRE Formation (below Tebo coal; above Cheltenham Clay) (=lower Senora Formation and below) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- LOVEDALE Gypsum Member (=Shimer Gypsum) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- LOVELAND Formation (Pleistocene) (Kansas) (W-38; K-66)
- LOVELL lime (=Leavenworth and Toronto units) (Oread Limestone) (Vamoosa Group)
- LOVELL Member (Cloverly Formation) (Cretaceous) (Wyoming) (K-66)
- LOVELL Member (Mount Simon Sandstone) (Cambrian) (Illinois) (K-66)
- LOVELL sand (=Wynona Sandstone Lentil) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- LOVINGTON Sandstone Member (San Andres Formation) (Guadalupian) (Permian) (Texas) (K-66)
- LOW CREEK Beds (=Weches Formation) (Eocene) (Texas) (W-38; K-66)
- LOWER ALLEN sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)

- LOWER ALMA sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- LOWER ANHYDRIDE bed (=Hollenberg Dolomite) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma)
- LOWER ARBUCKLE group (=Fort Sill, Royer, and Signal Mountain units) (Franconian-Trempealeuan) (Croixian) (Upper Cambrian) (Oklahoma)
- LOWER AVANT lime (Avant Limestone Member) (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER BASAL TUSSY sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER BAYOU sand (above Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER BEND shale (=Barnett Shale) (Mississippian) (Texas) (W-38)
- LOWER BOGGY coal bed (=Rowe coal) (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER BOOCK sand (Little Cabin Sandstone Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER BOOTH sand (above Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER BROMIDE sand (basal Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma)
- LOWER BYNUM sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- LOWER CAPP'S lime (=Ricker Station Limestone Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LOWER CARBONIFEROUS SYSTEM (330-365 m.y.) (=Mississippian System) (Europe) (W-25; W-38)
- LOWER CHELSEA sandstone (below Chelsea coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER CIMARRON salt (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma)
- LOWER CLEVELAND sand (Nowata Shale) (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER COFFEYVILLE sand member (above Tackett Shale) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER CONFEDERATE lime (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER COOPER sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER COUNTY LINE lime (Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER CROSS TIMBERS formation (=Gulfian Series) (Upper Cretaceous) (Texas) (W-38)
- LOWER CROSS TIMBERS sand (-Woodbine Formation) (Upper Cretaceous) (Texas) (W-38)
- LOWER CULBERSON sand (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER DOUGLAS sand (=Cheshewalla Sandstone) (below Leavenworth Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)

- LOWER DOYLE lime (Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER ELGIN sandstone lentil (below Heebner Shale) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER ESKOTA gypsum (=Relay Creek Bed) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas)
- LOWER FRANCIS sand (above second Francis lime) (Francis Shale) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER FRANKS conglomerate (Atoka to Fort Scott units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER FREEMAN or FREEMAN-HAMPTON sand (Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
- LOWER FRYE sand (=Brazos River Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LOWER FUSULINA lime (=Santo Limestone) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LOWER FUSULINA sand (=Arnold Limestone and Johnson sand) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER GARBER sand (Soldier Creek Shale Member) (Bern Limestone) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER GARVIN beds (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Oklahoma)
- LOWER GIBSON sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER GRAY STRAWN beds (=lower Kickapoo Creek Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LOWER GREGORY lime (=Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER GRIFFIN sand (=Davis sand; below Lester Limestone) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER HART sand (=Morris Ranch Sandstone) (above Henryetta coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER HARTSHORNE coal bed (Hartshorne Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER HARTSHORNE sandstone member (Hartshorne Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER HOLDENVILLE sand (below Spaulding Limestone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER HOOVER sand (below Heebner Shale) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER HOPE sand (below Quinn Clay Bed) (Parks Mountain Sandstone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)

- LOWER KISTLER sand (above Rocky Point to Williams unit) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER K.M.A. sand (=Buffalo Creek Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LOWER LAYTON sand (=Healdton sand) (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER LOCO lime (Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER LOVELL lime (=Toronto Limestone Member) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER MORROW sands (Morrowan) (Pennsylvanian) (Wichita-Amarillo Mountains) (Oklahoma; Texas)
- LOWER NODULAR lime (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- LOWER OOLITIC lime (=Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER OOLITIC lime (=Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- LOWER OREAD lime (=Toronto Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER OSWEGO lime (=lower Wetumka Shale) (Breezy Hill and Excello units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER PALACINE shale (above Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER PANDEM THOMAS sand (=Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER PART, LOWER FUSULINA sand (=Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER PONCA sand (below Heebner Shale) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- LOWER RED FORK sand (Taft Sandstone Member) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER SALESVILLE shale (below Lake Pinto Sandstone) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LOWER SEMINOLE conglomerate member (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER SEMINOLE sand (below Sasakwa Limestone) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER SEMINOLE shale (above Sasakwa Limestone) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER SHOLOM ALECHEM lime (=Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)

- LOWER SHOLOM ALECHEM sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER SKINNER sand (=lower Chelsea Sandstone) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER SLEDGE conglomerate (above Davis through Pumpkin Creek unit) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER STRAWN beds (Gray Strawn beds) (Kickapoo Creek Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LOWER TANNEHILL sand (Camp Creek Shale Member) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- LOWER TENMILE CREEK siliceous shale (=Albion Creek Chert Member) (Tenmile Creek Formation) (Stanley Group) (Meramecian) (Mississippian) (Oklahoma)
- LOWER TONKAWA sand (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LOWER TUSSY lime (=lower Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER TUSSY sand 5 (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER TUSSY zone (above Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER VAN VACTER gypsum (=Shimer Gypsum) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)
- LOWER WESTHEIMER shale (above Bostwick Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER WEWOKA formation (=Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWER WITTEVILLE coal bed (above Bluejacket Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- LOWERY sand (Nowata Shale) (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- LOWERY sand (=Oil Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- LOWRIE Sandstone Bed (Iconium Shale Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- LOWRY sand (above Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- LU sand (above Pumpkin Creek Limestone) (Gray Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LUCIEN Shale Member (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- LUDLOVIAN Series (Middle Silurian) (Europe)
- LUEDERS Formation (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

- LUEDERS Limestone Member (=Lake Kemp Limestone Member) (Lueders Formation) (Wichita Group)(Leonardian) (Permian) (Texas) (W-38; K-66)
- LUEDERS QUARRY Bed (Maybelle Limestone Member) (Lueders Formation) (Wichita Group) (Leonardian) (Permian) (Texas)
- LUFKIN Beds (=Yegua Formation) (Eocene) (Texas) (W-38; K-66)
- LUFKIN Member (Cook Mountain Formation) (Eocene) (Texas) (W-38; K-66)
- LUFKIN Rhyolite (Tertiary) (New Mexico) (W-38; K-66)
- LUGERT Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma) (W-38; K-66)
- LUKFATA Sandstone (=Crystal Mountain and Collier units) (Lower Ordovician) (Oklahoma) (K-66)
- LULA Sandstone (Cow Bayou Member) (Logansport Formation) (Paleocene) (Louisiana) (K-66)
- LUTA Limestone (=Cresswell Limestone Member) (Winfield Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- LUTETIAN Stage (45-50 m.y.) (Eocene Series) (Europe)
- LUTIE Member (Jefferson City Dolomite)(Lower Ordovician) (Arkansas)
- LYDECKER sand (=Leidecker sand) (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- LYNCH CREEK Bed (Lazy Bend Member)(Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- LYNN COWAN sand (Buck Creek Sandstone Bed) (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- LYNN MOUNTAIN Formation (=Morrowan, Atoka, and higher units, below Morehouse Formation) (Morrowan-Desmoinesian) (Pennsylvanian) (Oklahoma) (L-91)
- LYONIAN Series (275-290 m.y. (=Wolfcampian; upper Gearyan) (Pennsylvanian-Lower Permian ?) (Kansas) (K-66)
- LYONS lime (=Union Valley Limestone) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- LYONS Moraine (Pleistocene) (Michigan) (W-38)
- LYONS sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- LYONS Sandstone (Gearyan) (Pennsylvanian) (Colorado) (W-38; K-66)
- LYONS-QUINN sand (=Cromwell sand) (Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- LYTLE Limestone (=Lake Lytle Limestone Member) (Arroyo Formation) (Clear Fork Group)(Leonardian)(Permian) (Texas) (W-38; K-66)
- LYTLE Sandstone Member (Purgatoire Formation) (Lower Cretaceous) (Colorado) (W-38; K-66)
- LYTTON Formation (Midway Group) (Paleocene) (Texas) (W-38; K-66)
- LYTTON SPRINGS sand (altered serpentine) (Austin-Taylor Groups) (Upper Cretaceous) (Texas)(W-38)

M

- M zone (anorthosite; anorthositic gabbro) (Glen Mountains Layered Complex) (Cambrian or Precambrian) (Wichita terrane) (Oklahoma)
- M zone (Joplin Member) (Keokuk Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma; Missouri)
- M.A. Bateman sand (above Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- MAASTRICHTIAN Series (67-72 m.y.) (Upper Cretaceous) (Europe)
- MACKAY Granite (Tertiary) (Idaho) (L-81)
- MACKAY 3800 sand (=Arnold Limestone) (Maroon Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MACY Member (Plattin Limestone) (Ordovician) (Missouri)
- MADDEN Gravel (Quaternary) (Texas) (K-70)
- MADILL sand (=Antlers Formation) (Lower Cretaceous) (Oklahoma) (J-57)
- MAFIC dikes (Precambrian) (Llano terrane) (Texas)
- MAGDALENA Group (Pennsylvanian) (Texas) (W-38; K-66)
- MAGEE Granite (Precambrian) (Missouri) (K-70)
- MAGENTA Dolomite Member (Rustler Formation) (Ochoan) (Permian) (New Mexico) (K-66)
- MAGNET COVE Igneous Suite (Upper Cretaceous) (Arkansas) (K-70)
- MAGNOLIA Dolomite Bed (McGregor Member) (Platteville Limestone) (Ordovician) (Wisconsin) (W-38; K-66)
- MAGNOLIA sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- MAGPIE Dolomite Bed (below Nescatunga Gypsum) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- MAHON Glauconite Lentil (Cook Mountain Formation) (Eocene) (Louisiana) (K-70)
- MAIN oolitic lime (=Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- MAIN STREET Limestone (Washita Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- MALONE Formation (Jurassic) (Texas) (W-38; K-66)
- MALONE Till (Pleistocene) (New York) (K-66)
- MALONEY Metamorphic Suite (Ordovician) (Washington) (W-38; K-66)
- MALONEY sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- MANCHESTER Sandstone (Newark Group) (Triassic) (Pennsylvania) (W-38; K-66)
- MANCHESTER Schist (Pine Mountain Metamorphic Suite) (Lower Paleozoic) (Georgia) (K-66)
- MANCHESTER Shale (=L'Eau Frais Shale) (Wilcox Group) (Paleocene) (Arkansas) (W-38; K-66)
- MANESS shale Member (South Tyler Formation) (Upper Cretaceous) (Texas) (K-66)
- MANGUM Dolomite Member (below Van Vacter Member) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- MANNING Clay Member (McElroy Formation) (Eocene) (Texas) (W-38; K-66)

- MANNING zone (Chesterian) (Mississippian) (Oklahoma) (J-57)
- MANNING-HARRINGTON sand (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MANNSVILLE Dolomite (=Woodford carbonate bed) (Devonian) (Oklahoma) (K-70)
- MANZANITA Dacite (=Manzanita Lake Dacite) (Cenozoic) (California) (W-38; K-66)
- MANZANITA Limestone Member (Cherry Canyon Formation) (Guadalupian) (Permian) (Texas) (K-66)
- MANZANO Group (Permian) (New Mexico) (W-38; K-66)
- MAPLE HILL Limestone Member (Zeandale Limestone) (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- MAQUOKETA Series (Upper Ordovician) (Iowa) (W-38; K-66)
- MAQUOKETA Shale (=Sylvan Shale) (Richmondian) (Cincinnatian) (Upper Ordovician) (Missouri) (W-38; K-66; S-81)
- MARATHON Conglomerate (Precambrian) (Wisconsin) (W-38; K-66)
- MARATHON Formation (Pleistocene) (Wisconsin) (L-91)
- MARATHON Limestone (Canadian) (Lower Ordovician) (Texas)(W-38; K-66)
- MARATHON Sandstone (Devonian) (New York) (W-38; K-66)
- MARATHON Series (=Dagger Flat through Woods Hollow units) (Upper Cambrian-Middle Ordovician) (Texas) (W-38; K-66)
- MARAVILLA Dolomite (=Capitan and Tessey units) (Guadalupian-Ochoan) (Permian) (Texas) (W-38; K-66)
- MARAVILLAS Chert (Trentonian-Maysvillian) (Ordovician) (Texas)(W-38; K-66)
- MARBLE (Allamoore Limestone or Marble) (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- MARBLE (Click Marble) (Packsaddle Schistose Suite) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- MARBLE (Collier Formation) (Croixian-Canadian) (Upper Cambrian-Lower Ordovician) (Oklahoma)
- MARBLE (Pre-Collier Beds) (Cambrian) (Oklahoma)
- MARBLE CANYON Igneous Suite (Permian or later) (Texas) (K-70)
- MARBLE CITY Member (Quarry Mountain Formation) (Middle Silurian) (Oklahoma) (K-70)
- MARBLE FALLS Formation (Bend Group) (Morrowan-Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- MARCELLA Formation (Chesterian) (Mississippian) (Arkansas) (L-86)
- MARCHAND sand (=Healdton sand) (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- MARIBEL Shale (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-70)
- MARIETTA Beds (=Weno Shale) (Bokchito Formation) (Washita Group) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
- MARIETTA Member (Carbondale Formation) (Pennsylvanian) (Illinois) (W-38; K-66)
- MARIETTA Sandstone Member (Washington Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
- MARION Flint (=Stovall Limestone Member) (Winfield Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)

- MARION Formation (=Odell, Nolans, Wellington, and Grand Island units) (Gearyan-Lyonian-Leonardian-Pleistocene) (Pennsylvanian-Permian-Quaternary) (Kansas) (W-38; K-66)
- MARION Granite (Precambrian) (Wisconsin) (W-38; K-66)
- MARION Limestone (=Cresswell Limestone) (Winfield Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- MARKHAM Member (Roxana Silt) (Pleistocene) (Illinois) (L-81)
- MARKHAM sand (Lake Ardmore Formation) (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- MARKHAM sand (=Chelsea Sandstone) (Goldenrod to Tiawah units) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- MARKHAM MILL Shale (upper Jackfork Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66; C-76)
- MARKLEY Formation (=Harpersville; Pueblo units) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- MARKLEY Sandstone Member (Kreyenhagen Formation) (Eocene-Oligocene) (California) (W-38; K-66; S-81)
- MARKS MILLS Beds (Yegua Formation) (Eocene) (Arkansas) (W-38; K-66)
- MARLAND sand (=Misener or Sylamore units) (Upper Devonian) (Oklahoma) (W-38; J-57)
- MARLBROOK Marl (=Marlbrook-Columbus Marl) (Taylor Group) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- MARLBROOK-COLUMBUS Marl (=Marlbrook Marl) (Upper Cretaceous) (Arkansas) (W-38)
- MARLIN Chalk (=Pecan Gap Chalk) (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- MARLOW Formation (=Grayburg Formation) (Whitehorse Group) (Guadalupean) (Permian) (Oklahoma) (W-38; K-66)
- MARLOW lime (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- MARLOW MOUNTAIN Rhyolite (Middlebrook Volcanic Suite) (Precambrian) (Missouri) (K-70)
- MARMATON Group (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- MARMATON sands (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (S-81)
- MAROON Formation (Desmoinesian-Gearyan) (Pennsylvanian) (Colorado) (W-38; K-66)
- MAROON shale (=Deese Maroon shale) (above Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- MAROON Strawn beds (=Red Strawn beds) (Devils Kitchen to Rocky Point units) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MARQUETTE Granite (Precambrian) (Wisconsin) (W-38; K-66)
- MARQUETTE Member (Belvidere Formation) (=Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
- MARQUETTE Quartz Porphyry (Precambrian) (Wisconsin) (W-38; K-66)
- MARQUETTE Rhyolite (Precambrian) (Wisconsin) (W-38; K-66)
- MARQUETTE Series (=Marquette Range Supersuite) (Precambrian) (Michigan) (W-38; K-66; L-81)
- MARQUEZ Shale Member (Reklaw Formation) (Eocene) (Texas) (K-66)
- MARSHALL Diorite (Precambrian) (Washington) (K-66)

- MARSHALL Gneiss (Virginia Blue Ridge Complex) (Precambrian) (Virginia) (W-38; K-66)
- MARSHALL Limestone (=LaSalle Limestone) (McLeansboro Formation) (Pennsylvanian) (Illinois) (W-38; K-66)
- MARSHALL Moreaine (Pleistocene) (Minnesota) (W-38)
- MARSHALL Sandstone (Mississippian) (Michigan) (W-38; K-66)
- MARSHALL Shale (=Fayetteville Shale) (Mississippian) (Arkansas) (W-38; K-66)
- MARSHALL zone (Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- MARSHALL zone (=lower West Spring Creek Formation) (Arbuckle or Ellenburger Group) (Lower Ordovician) (Texas)
- MARTHAVILLE Formation (Wilcox Group) (Paleocene) (Louisiana) (K-66)
- MARTIN Drift (Pleistocene) (North Dakota) (K-70)
- MARTIN Limestone (Devonian) (Arizona) (W-38; K-66)
- MARTIN sand (=Rod Club Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- MARTIN sandy zone (Colorado Shale) (Upper Cretaceous) (Montana) (W-38)
- MARTIN LAKE Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- MARTY Dolomite Bed (Flowerpot Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (L-86)
- MARYS CREEK Marl Member (Goodland Limestone) (Lower Cretaceous) (Texas) (K-66)
- MASON Clay (below Mason coal) (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38; K-66)
- MASON coal bed (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38; K-66)
- MASON cyclothem (Conemaugh Group) (Pennsylvanian) (West Virginia) (K-66)
- MASON Series (=Packsaddle Schistose Suite) (Llano Supersuite) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)
- MASON Shale (above Mason coal) (Conemaugh Group) (Pennsylvanian) (West Virginia) (W-38; K-66)
- MASSIE CREEK Sandstone (Kinderhookian) (Mississippian) (Missouri) (K-66)
- MATFIELD Shale (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- MATSON Member (Joachim Dolomite) (Ordovician) (Missouri) (K-70)
- MATTHEWS LANDING Formation (Midway Group) (Paleocene) (Mississippi) (W-38; K-66; S-81)
- MAUD Chert Conglomerate (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (K-66)
- MAULDIN sand (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- MAURY Glauconitic Member (Ridgetop Shale) (=Maury Shale) (Kinderhookian) (Mississippian) (Tennessee) (W-38; K-66; S-81)
- MAURY Shale (Chattanooga Group or Fort Payne Formation) (Kinderhookian) (Mississippian) (Tennessee) (W-38; K-66)
- MAXON sand (=Maxton sand) (Mississippian) (West Virginia) (W-38)

- MAXON Sandstone (Trinity Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- MAYBELLE Limestone Member (Lueders Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- MAYBERRY coal bed (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MAYES Group (Meramecian-Chesterian) (Mississippian) (Oklahoma) (W-38; K-66)
- MAYES lime (basal Mayes Group) (Meramecian) (Mississippian) (Oklahoma)
- MAYES Limestone Member (Fayetteville Shale) (Chesterian) (Mississippian) (Oklahoma) (K-66)
- MAYFIELD HILLS Plagioclase Syenite (Tertiary) (Texas) (K-66)
- MAYSVILLIAN Stage (Cincinnatian Series) (Upper Ordovician) (Ohio) (W-38; K-66)
- MAZARN Shale (Canadian) (Lower Ordovician) (Arkansas) (W-38; K-66)
- McALESTER coal bed (=Stigler coal) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- McALESTER Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- McCALLISTER sand (=McAlester Formation) (Oklahoma) (J-57)
- McCANN Sandstone Bed (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- McCAULLEY Dolomite Member (=Acme Dolomite) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- McCLESKY sand (Lemons Bluff Beds) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- McCOMBS Limestone Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (K-66)
- McCRARY sand (McFearin Tongue) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- McCULLY Formation (=middle and upper Bloyd) (Morrowan) (Pennsylvanian) (Oklahoma) (S-78; L-86)
- McCURTAIN Shale Member (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- McCUTCHEON Group (Tertiary) (Texas) (K-66)
- McDANIEL granite wash (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (J-57)
- McDONALD or MACDONALD Formation (Precambrian) (British Columbia) (Canada) (W-38; K-66)
- McDONALD sand (Devonian) (Pennsylvania) (W-38)
- McDONALD sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- McDONALD Shale member (Monterey Formation) (Miocene) (California) (K-66)
- McELROY Formation (Jackson Group) (Eocene) (Texas) (W-38; K-66)
- McEWIN sand (Nowata Shale (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- McFEARIN Tongue (Terryville Sandstone Member) (Schuler Formation) (Cotton Valley Group) (Jurassic) (Louisiana) (K-70)

McFEARIN-DAVIS sand (McFearin Tongue) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)

McGUIRE sand (Atoka Formation) (Desmoinesian) (Pennsylvania) (Arkansas)

McKEE Sandstone (Simpson Group) (Ordovician) (Texas) (K-66)

McKELLINGTON Limestone (El Paso Group) (Lower Ordovician) (Texas) (K-70; C-76)

McKENZIE HILL Formation (Arbuckle Group) (Canadian) (Lower Ordovician) (Oklahoma) (W-38; K-66)

McKINNEY Basalt (Pleistocene) (Idaho) (W-38; K-66)

McKINNEY sand (below First Francis lime) (Francis Shale) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

McKNIGHT Conglomerate Member (Beaverhead Formation) (Cretaceous-Paleocene) (Montana) (K-70)

McKNIGHT Formation (Lower Cretaceous) (Texas) (K-70)

McKNIGHT Siltstone (Beaverhead Formation) (Cretaceous) (Montana) (K-70)

McKOWN Formation (Austin Group) (Upper Cretaceous) (Texas) (L-91)

McLISH Formation (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57; K-66)

McLOUTH Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-70)

McMAHAN-NEUSTADT sand (=Redoak Hollow Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)

McMENAMY lime (=Capps Limestone Bed) (upper Gray Strawn shale) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)

McMICHEL Member (McKenzie Hill Formation) (Lower Ordovician) (Oklahoma) (K-66)

McMILLAN Formation (Ordovician) (Ohio) (W-38; K-66)

McMILLAN pay (Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)

McNABB Limestone Member (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)

McNUTT Limestone Bed (Bokchito Formation) (Lower Cretaceous) (Oklahoma) (L-81)

McQUEEN Dolomite Member (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)

McPHERSON Formation (Pleistocene) (Kansas) (W-38; K-66)

McPHERSON Marble Member (Plattin Limestone) (Ordovician) (Missouri) (W-38; K-66)

McWHIRTER sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

McWILLIE zone (Chesterian) (Mississippian) (Oklahoma)

MEADE Formation (Pleistocene) (Kansas) (W-38; K-66)

MEADOWS Copper Shale Bed (Flowerpot Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)

MEADOWS sand (Warner Sandstone Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

MEAKIN sand (Marlbrook Marl) (Upper Cretaceous) (Arkansas) (W-38)

- MEANER lime (=Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- MEANER sand (=Meaner lime) (J-57)
- MEANS Trachyte (Oligocene) (Texas) (K-66)
- MEDICINE Beds (=Cheyenne, Kiowa, and lower Dakota units) (Lower Cretaceous) (Kansas) (W-38; K-66)
- MEDICINE Dacite (Holocene) (California) (K-66)
- MEDICINE LODGE Beds (=Salt Plains, Cedar Hills, Flowerpot, and Blaine units) (Leonardian-Guadalupian) (Permian) (Kansas) (W-38; K-66)
- MEDICINE LODGE Dolomite Member (=Mangum Dolomite) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Texas) (K-70)
- MEDICINE LODGE Formation (Miocene) (Montana) (K-66)
- MEDICINE LODGE Gypsum Member (basal Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Kansas) (W-38; K-66)
- MEDICINE PARK Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma)
- MEDILL Formation (Eagle Ford Group) (Upper Cretaceous) (Texas) (K-66)
- MEDILL Sand (Pleistocene) (California) (K-66)
- MEDLEY Formation (Oligocene) (Texas) (L-81)
- MEDRANO sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- MEEK BEND Limestone Bed (Lazy Bend Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- MEERS Quartzite (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma) (W-38; K-66)
- MEGARGEL lime (=Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- MEISENER sand (=Misener sand) (Devonian) (Oklahoma)
- MELARHYOLITE dikes (Llano terrane) (Precambrian) (Texas)
- MELTON lime (=lower Checkerboard Limestone) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- MELTON sand (below DeNay Limestone; above Checkerboard Limestone) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- MELVIN pay (Turkey Creek Sandstone Bed) (Keechi Creek Shale Member) (Mineral Wells Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- MEMORIAL Shale Member (Nowata Formation) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- MEMPHIS Loess (Pleistocene) (Tennessee) (W-38; K-66)
- MEMPHIS Sand (Claiborne Group) (Eocene) (Tennessee) (K-81)
- MEMPHIS Sandstone (=Dozier Sandstone Member) (Rush Springs Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- MENARD Limestone (Chesterian) (Mississippian) (Illinois) (W-38; K-66)
- MENARD pay (above Capps Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

- MENTOR Formation (=Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
- MERAMEC lime (Meramecian) (Mississippian) (Oklahoma)
- MERAMECIAN Series (340-355 m.y.) (=Meramec Group) (Middle Mississippian) (Missouri) (W-38; K-66)
- MERETA Strawn pay (below Ricker Station Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MERIDIAN Buhrstone or Sand Member (Tallahatta Formation) (Claiborne Group) (Eocene) (Mississippi) (W-38; K-66; S-81)
- MERIDIAN Sandstone, Series, or Slate (Devonian) (New York) (W-38)
- MERKEL Dolomite Member (Choza Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- MERRIAM Flow (=Merriam Crater Lava Flow) (Holocene) (Arizona) (K-70)
- MERRIAM Limestone Member (Plattsburg Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- MERRILL Formation (Oligocene) (Texas) (L-81; S-81)
- MERRILL Member (Lincoln Formation) (Pleistocene) (Wisconsin) (L-91)
- MERRIMAN Limestone Bed (Placid Shale Member) (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- MERRITT DAM Member (Ash Hollow Formation) (Ogallala Group) (Miocene) (Nebraska) (L-91)
- MERVINE sand (White Cloud Shale Member) (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- MESA RICA Sandstone (basal Dakota Group) (Lower Cretaceous) (New Mexico) (K-66)
- MESILLA VALLEY Formation (Lower Cretaceous) (Texas)
- MESOZOIC Era or Erathem (67-250 m.y.) (Triassic, Jurassic, Cretaceous Systems) (Europe) (W-25; W-38; L-86)
- MESSINIAN Stage (5.3-6.7 m.y.) (Miocene Series) (Europe)
- METAARGILLITE (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- METAARKOSE (1,320-1,400 m.y.) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METAARKOSE (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METABASALT (1,070 m.y.) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METABASALT (Stewart Ranch Complex) (Trans-Pecos Terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METADACITE (712 m.y.) (Stewart Ranch Complex) (Trans-Pecos terrane) (Z Series) (Upper Proterozoic) (Precambrian) (Texas)
- METAGABBRO olistoliths (700 - 1,025 m.y.) (Paleozoic rocks) (Ouachita terrane) (Y and Z Series) (Middle to Upper Proterozoic) (Precambrian) (Arkansas)
- METAGRAYWACKE (1,320 - 1,400 m.y.) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)

- METAGRAYWACKE (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METAGRAYWACKE (Tillman Metasedimentary Group)(Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- METAMORPHIC olistoliths (Precambrian ?) (Haymond Formation) (Desmoinesian) (Pennsylvanian) (Texas)
- METAMORPHIC rocks (Collier Formation) (Upper Cambrian-Lower Ordovician) (Arkansas)
- METAMORPHIC rocks (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METAMORPHIC rocks (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METAMORPHIC rocks (Stewart Ranch Complex) (Trans-Pecos terrane) (Middle Cambrian-Precambrian Y and Z Series) (Texas)
- METAMORPHIC rocks (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- METAQUARTZITE (Collier Formation) (Upper Cambrian-Lower Ordovician) (Arkansas)
- METAQUARTZITE (Crystal Mountain Sandstone) (Lower Ordovician) (Arkansas)
- METAQUARTZITE (Meers Quartzite) (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- METAQUARTZITE (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METAQUARTZITE (Stewart Ranch Complex) (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METARHYOLITE (692 m.y.) (Stewart Ranch Complex) (Trans-Pecos terrane) (Z Series) (Upper Proterozoic) (Precambrian) (Texas)
- METARHYOLITE (1,180 - 1,300 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
- METARHYOLITE (Stewart Ranch Complex) (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METARHYOLITE dikes (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- METASEDIMENTARY gneiss (1,400 - 1,800 m.y.) (Panhandle terrane) (X and Y Series) (Lower to Middle Proterozoic) (Precambrian) (Texas)
- METZ Member (Joachim Dolomite) (Ordovician) (Illinois) (K-70)
- MEXIA member (Wills Point Formation) (Midway Group) (Paleocene) (Texas)(W-38; K-66)
- MICA schist (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- MICRODIORITE (1,260 M.Y.) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- MICRODIORITE (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- MIDCO Member (Wellington Formation) (Sumner Group)(Leonardian) (Permian) (Oklahoma) (K-66)
- MIDDLE ALMA sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- MIDDLE CREEK Conglomerate (Pleistocene) (Kentucky) (K-66)
- MIDDLE CREEK Limestone (=Orman Lake Limestone Member) (Graneros Shale) (Upper Cretaceous) (South Dakota) (K-66)

- MIDDLE CREEK Limestone Member (Swope Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- MIDDLE GARVIN beds (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma)
- MIDDLE HOLDENVILLE sand (below Homer School Limestone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MIDDLE PALACINE shale (above Autry Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- MIDDLE SEMINOLE sand member (=5th Francis lime) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- MIDDLE WEWOKA formation (=Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MIDDLEBROOK Group (Precambrian) (Missouri) (K-70)
- MIDDLEBURG Limestone Member (Bader Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- MIDWAY Andesite (Tertiary) (Nevada) (W-38; K-66)
- MIDWAY Group (Paleocene) (Arkansas) (W-38; K-66)
- MIDWAY Series (=Clayton Formation or Rutledge Limestone) (Paleocene) (Alabama) (W-38; K-66)
- MIDWAY Volcanic Suite (Oligocene-Miocene) (British Columbia) (Canada) (W-38; K-66)
- MIDWAYAN Stage (Paleocene) (Gulf Coast) (USA) (W-38; K-66)
- MIER Sandstone Member (Yegua Formation) (Eocene) (Texas) (W-38; K-66)
- MILAM Chalk member (Anacacho Limestone) (Taylor Group) (Upper Cretaceous) (Texas) (K-66)
- MILAMS Member (Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- MILAN Limestone Bed (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (K-66)
- MILAN Loam (Pleistocene) (Tennessee) (W-38)
- MILBURN Shale (=Village Bend to Ranger units) (East Mountain Shale Member) (Mineral Wells through Brad Formation) (Strawn-Canyon Groups) (Desmoinesian-Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- MILES Limestone Member (Falls City Limestone) (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Nebraska) (W-38; K-66)
- MILLER Fire Clay (below lower Ardmore coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- MILLER Lava Flow (Holocene) (Oregon) (K-66)
- MILLER lime (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- MILLER Limestone (Mississippian) (Nova Scotia) (Canada) (W-38)
- MILLER sand (Moyers Formation) (Stanley Group) (Chesterian) (Mississippian) (Redden Field; Oklahoma)

- MILLER sand (Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
- MILLER sand (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- MILLERSVIEW Limestone Bed (Grape Creek Member) (Clyde Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- MILLERSVIEW pay (Home Creek Limestone Member) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- MILLERSVIEW-WAIDE pay (=Lake Pinto Sandstone) (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MILLERTON Formation) (Cotton Valley Group) (Upper Jurassic) (Arkansas)
- MILLERTON Formation (Pleistocene) (California) (W-38; K-66; S-81)
- MILLICAN Formation (=Allamoore and Hazel units) (Precambrian) (Texas) (W-38; K-66)
- MILLS Formation (Cretaceous) (California) (K-66)
- MILLS Moraine (Pleistocene) (Colorado) (W-38)
- MILLS Sandstone Bed (Bigford Formation) (Eocene) (Texas) (W-38; K-66)
- MILLSAP Division (=Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-660)
- MILLSAP Limestone (Mississippian) (Colorado) (W-38; K-66)
- MILLSAP Maroon shale (above Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MILLSAP Maroon Shale (=Millsap Lake, Mingus, and Brazos River units) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MILLSAP LAKE Formation (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- MINA GRANDE Formation (Permian) (Texas) (K-66)
- MINCO Division (=Wellington, Garber, Hennessey, and El Reno units) (Leonardian-Guadalupian) (Permian) (Oklahoma) (K-66)
- MINDEN Formation (Cook Mountain Formation) (Eocene) (Louisiana) (W-38; K-66)
- MINE CREEK Shale Bed (Pawnee Limestone Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- MINERAL coal bed (=Morris coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MINERAL Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)
- MINERAL WELLS Formation (Strawn-Canyon Groups) (Desmoinesian-Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- MINERSVILLE Shale Bed (Friedrich Shale Member) (Root Shale) (Wabaunsee Group) (Gearyan-Virgilian) (Pennsylvanian) (Kansas) (K-66)
- MINERSVILLE Tuff Member (Needles Range Formation) (Oligocene) (Utah) (K-66)
- MINGUS Formation (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- MIOCENE Series (5.3 - 25 m.y.) (Tertiary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- MIRANDO sand (Jackson Group) (Eocene) (Texas) (W-38)

- MIRANDO CITY sand (Eocene) (Texas) (W-38)
- MISENER sand (=Sylamore Sandstone) (Upper Devonian) (Oklahoma) (W-38; J-57)
- MISER Gravel (Quaternary) (Texas) (K-70)
- MISNER sand (=Misener sand) (Upper Devonian) (Oklahoma)
- MISSION Argillite (Permian) (Washington) (W-38; K-66)
- MISSION Sandstone Member (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- MISSION CREEK Series (Paleozoic, Cretaceous, and Tertiary) (Alaska) (W-38; K-66)
- MISSION CREEK Shale (=Larsh-Burroak Shale) (Deer Creek Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- MISSISSIPPI chat (eroded Mississippian chert and limestone) (Mississippian) (Oklahoma) (J-57)
- MISSISSIPPI Clays (=Hattiesburg Clay and Pascagoula Clay (Miocene) (Mississippi) (W-38; K-66)
- MISSISSIPPI Group (=Mississippian System) (Mississippi River area) (USA) (W-38)
- MISSISSIPPI lime (Mississippian) (Oklahoma) (W-38; J-57)
- MISSISSIPPI Slate (Precambrian) (Minnesota) (W-38; K-66)
- MISSISSIPPI CANEY Shale (=lower Caney shale) (=Delaware Creek Shale) (Meramecian-Chesterian) (Oklahoma) (J-57)
- MISSISSIPPIAN System (330-365 m.y.) (=Lower Carboniferous Series) (Paleozoic Era or Erathem) (Mississippi River area) (USA) (W-25; W-38; L-86)
- MISSLER Member (Ballard Formation) (Meade Group) (Pleistocene) (Kansas) (K-66)
- MISSOURI Group (=Missourian Series) (Pennsylvanian) (Missouri) (W-38; K-66)
- MISSOURI Series (=Missourian Series) (Pennsylvanian) (Missouri) (W-38; K-66)
- MISSOURI MOUNTAIN Formation (=Arkansas Novaculite and lower Stanley units) (Silurian-Mississippian) (Arkansas) (W-38; K-66)
- MISSOURI MOUNTAIN Shale (Lower Silurian) (Arkansas) (W-38; K-66)
- MISSOURIAN granite wash (Pennsylvanian) (Wichita terrane) (Oklahoma)
- MISSOURIAN Series (300-310 m.y.) (Pennsylvanian) (Missouri) (W-25; W-38; K-66)
- MITCHELL MESA Rhyolite (Buck Hill Group) (Oligocene) (Texas) (K-66)
- MITCHELL'S FERRY Beds (Whitsett Formation) (Eocene) (Texas) (W-38; K-66)
- MOCANE sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- MOCCASIN BEND Member (Warsaw Formation) (Meramecian) (Mississippian) (Missouri) (L-81)
- MOCCASIN CREEK Bed (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- MOFFAT Lentil (Edwards Limestone) (Lower Cretaceous) (Texas) (K-70)
- MOHAWK Group (Beekmantownian through Trentonian) (Ordovician) (New York) (W-38; K-66)
- MOHAWK Limestone (=Amsterdam Limestone) (Blackriveran) (Middle Ordovician) (New York) (W-38; K-66)
- MOHAWK Slate (=Utica Shale) (Cincinnatian) (Upper Ordovician) (New York) (W-38; K-66)
- MOHAWK System (Potsdam-Clinton units) (Upper Cambrian-Middle Silurian) (New York) (W-38; K-66)

- MOHAWKIAN Stage (455-460 m.y.) (=Blackriveran-Trentonian Stages) (Middle Ordovician) (New York) (W-25; W-38; K-66)
- MOLLIE MILLER sand (=Misener sand) (Upper Devonian) (Oklahoma) (W-38; J-57)
- MOLLMAN sand (=McLish Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- MONA Limestone (Conemaugh Group) (Pennsylvanian) (West Virginia) (W-38; K-66)
- MONA sand (=Bluejacket Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MONA sand (below Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- MONA Schist (Precambrian) (Michigan) (W-38; K-66; S-81)
- MONA Shale (Oligocene) (Panama) (W-38; K-66)
- MONAHANS Formation (Quaternary) (Texas) (K-66)
- MONCHIQUITE dikes and sills (Upper Cretaceous) (Arkansas)
- MONROE Beds (Devonian-Silurian) (Michigan) (W-38; K-66)
- MONROE Beds (=Cherokee Shale) (Desmoinesian) (Pennsylvanian) (Iowa) (W-38; K-66)
- MONROE Beds (=Monroe Creek Beds) (Miocene) (Nebraska) (W-38; K-66)
- MONROE gas rock (Navarro Group) (Upper Cretaceous) (Louisiana) (W-38)
- MONROE Shales (Middle Devonian) (New York) (W-38; K-66)
- MONROE Slates (Precambrian) (North Carolina) (W-38; K-66)
- MONTGOMERY Bed (Moody's Branch Formation) (Jackson Group) (Eocene) (Louisiana) (W-38; K-66)
- MONTGOMERY Buhr, Grits, or Sandstone (=Price Formation) (Mississippian) (Virginia) (W-38; K-66)
- MONTGOMERY Formation (=Brassfield Limestone) (Lower Silurian) (Ohio) (W-38; K-66)
- MONTGOMERY Formation (Pleistocene) (Texas) (K-66)
- MONTGOMERY Limestone (Silurian) (California) (W-38; K-66)
- MONTGOMERY sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- MONTOYA Group (Middle to Upper Ordovician) (Texas) (W-38; K-66)
- MONUMENT Spring Dolomite Member (Marathon Limestone) (Canadian) (Lower Ordovician) (Texas) (W-38; K-66)
- MOODYS Marl (=Moody's Branch Marl) (Jackson Group) (Eocene) (Mississippi) (W-38; K-66)
- MOODYS BRANCH Marl (Jackson Group) (Eocene) (Mississippi) (W-38; K-66)
- MOON Trachyte (Oligocene) (Texas) (K-66)
- MOONSTONE Formation (Pliocene) (Wyoming) (K-70)
- MOONSTONE Rhyolite (Tertiary) (Texas) (K-66)
- MOONSTONE Tuff (Oligocene-Miocene) (New Mexico) (K-70)
- MOORE carbonaceous shale (above Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- MOORE Formation (Morrowan ?) (Pennsylvanian) (Oklahoma) (J-57; K-66)
- MOORE HOLLOW Group (Croixian) (Upper Cambrian) (Texas) (L-86)
- MOOREFIELD Formation (Meramecian) (Mississippian) (Oklahoma) (W-38; K-66; C-76)

- MOORINGSPOURT Member (Rusk Formation) (Trinity Group) (Lower Cretaceous) (Louisiana) (K-66)
- MORAN Formation (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian?) (Texas) (W-38; K-66)
- MORAN Limestone Member (=Sedwick Limestone) (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)(Texas) (W-38; K-66)
- MORAN sand (above Dog Bend Limestone)(Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MOREAU Gravel (Pleistocene) (South Dakota) (K-66)
- MOREAU Sandstone (=Roubidoux Sandstone) (Lower Ordovician) (Missouri) (W-38; K-66)
- MOREHOUSE Formation (=Challenger Knoll Siltstone) (Desmoinesian-Ochoan) (Pennsylvanian-Permian) (Gulf Coast) (Louisiana) (K-66)
- MOREHOUSE Quartzite (Cambrian ?) (Utah) (W-38; K-66)
- MORGAN CREEK Limestone Member (Wilberns Formation) (Moore Hollow Group) (Franconian) (Trempealeuan) (Croixian) (Upper Cambrian) (Texas) (K-66)
- MORITA RANCH Formation (Tertiary) (Texas) (K-70)
- MORRILL Limestone Member (Beattie Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- MORRILTON Carbonatite (Upper Cretaceous) (Arkansas)
- MORRIS coal bed (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MORRIS Granite (Precambrian) (New York) (W-38; K-66)
- MORRIS sand (above Capps Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MORRIS sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas; Oklahoma) (W-38; J-57)
- MORRIS sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- MORRIS sand (=Lake Pinto Sandstone Bed) (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- MORRIS FERRY Greensand (=Woodbine Formation) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- MORRIS RANCH Sandstone (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-70)
- MORRISON Formation (Jurassic) (Colorado) (W-38; K-66)
- MORRISON sand (Buffalo Hills Sandstone Member) (Vale Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38)
- MORRISON Sandstone (=Mormon Sandstone) (Jurassic) (California) (W-38; K-66)
- MORROW Group (=Morrowan Series) (Pennsylvania) (Arkansas) (W-38; K-66)
- MORROW pay (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- MORROW pay zone (Woodbine Formation) (Upper Cretaceous) (Texas) (W-38)
- MORROW sand (upper = Kelley; lower = Keyes sands) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- MORROWAN Series (315-330 m.y.) (Lower Pennsylvanian) (Arkansas) (W-38; K-66; C-76)

- MORTAR Beds (=Ogallala Formation) (Pliocene) (Kansas) (W-38)
- MOSCOVIAN Series (310-315 m.y.) (=Desmoinesian Series) (Upper Carboniferous or Pennsylvanian) (Russia)
- MOSE sand (=Mose-Carr sand) (Tyner Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- MOSE-CARR sand (Tyner Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- MOSELEY Limestone Lentil (=Stone City Formation) (Eocene) (Texas) (W-38; K-66)
- MOULTON Diorite (Devonian) (New Hampshire) (W-38; K-66)
- MOULTON sand (=upper Sunburst sand) (Kootenai Formation) (Cretaceous) (Montana) (W-38)
- MOULTON Sandstone Member (Oakville Formation) (Miocene) (Texas)(K-66)
- MOUND CITY Shale Member (Hertha Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- MOUND VALLEY Limestone (=Bethany Falls Limestone) (Swope Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- MOUND VALLEY Shale (=Ladore Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- MOUNDS Gravel (Pliocene-Pleistocene) (Illinois) (L-81)
- MOUNDS sand (=Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- MOUNT LOCKE Formation (Oligocene) (Texas) (L-81)
- MOUNT SCOTT Andesite (Pleistocene) (Oregon) (K-66)
- MOUNT SCOTT Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma) (K-70)
- MOUNT SELMAN Formation (=Reklaw, Queen City, and Weches units) (W-38; K-66)
- MOUNT SHERIDAN Gabbro (Roosevelt Gabbroic Suite) (Raggedy Mountain Gabbro Group) (Cambrian) (Oklahoma) (L-86)
- MOUNT TABOR Shale Member (Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (K-66)
- MOUTRAY sand (Pennsylvanian) (Texas) (W-38)
- MOYER Member (Frankfort Shale) (Ordovician) (New York) (K-66)
- MOYER sand (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- MOYER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- MOYERS Formation (Stanley Group) (Chesterian) (Mississippian) (Oklahoma) (K-66; C-76)
- MOYERS siliceous shale (=Schoolhouse Chert Member) (Moyers Formation) (Stanley Group) (Chesterian) (Mississippian) (Oklahoma)
- MUD CREEK Formation (New Georgia Group) (Proterozoic-Paleozoic) (Georgia) (L-91)
- MUD CREEK Tuff (Tenmile Creek Formation) (Stanley Group) (Meramecian ?) (Mississippian) (Arkansas)
- MUD SPRINGS MOUNTAIN Formation (El Paso Group) (Lower Ordovician) (Texas) (K-70)
- MUDLICK Latite (Precambrian) (Missouri) (K-70)
- MUDSTONE-SANDSTONE unit P (=Chaffin Limestone) (Harpersville Formation) (Virgilian-Gearyan) (Pennsylvanian) (Texas)

- MUDSTONE-SANDSTONE unit P-1 (=Camp Creek Shale) (Pueblo Formation) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- MUDSTONE-SANDSTONE unit P-2 (Pueblo-Moran Formations) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- MUDSTONE-SANDSTONE unit P-3 (Moran Formation) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- MUDSTONE-SANDSTONE unit P-4 (Putnam Formation) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- MUDSTONE-SANDSTONE unit P-5 (=Coleman Junction, Lost Creek, and Admiral units) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- MUDSTONE-SANDSTONE Unit P-6 (=Elm Creek Member) (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas)
- MULDER zone (upper West Spring Creek) (Lower Ordovician) (Texas)
- MULE EAR SPRING Tuff Member (Chisos Formation) (Eocene) (Texas) (K-70)
- MULEROS Sandstone (Cretaceous) (Texas) (W-38; K-66)
- MULKY coal bed (Excello Shale Member) (Wetumka Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MULKY Formation (=Kinnison, Breezy Hill, and lower Excello units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- MUNCEY sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- MUNCIE CREEK Shale Member (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- MUNCRIEF sand (below Daube coal) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- MUNDY Breccia (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66)
- MUNGER Granite (1,408 ± 12 m.y.) (Musco Group) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
- MUNN Formation (Permian) (Texas) (K-70)
- MURFREESBORO Member (DeQueen Formation) (Trinity Group) (Lower Cretaceous) (Arkansas) (L-91)
- MUSCO Group or Intrusive Suite (1,408 ± 12 m.y.) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
- MUSCOGEE Group (=Muskogee Group) (W-38)
- MUSKOGEE Group (=Morrowan through Calvin units) (Morrow-Cherokee Groups) (Morrowan-Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- MUSKOGEE lime (Webbers Falls Sandstone Member) (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- MUSKOGEE sand (=Pope Chapel Sandstone Member) (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- MUSSELEM sand (=Musselman sand) (J-57)
- MUSSELLMAN sand (=Cottage Grove Sandstone Member) (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

MYRICK Formation (=Midway, Indio, Carrizo, Bigford, and Mount Selman units) (Paleocene-Eocene) (Texas) (W-38; K-66)
 MYRICK STATION Limestone Bed (Pawnee Limestone Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
 MYRTIS Member (Queen City Sand) (Eocene) (Louisiana) (K-66)

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N zone (Grand Falls Chert Member) (Keokuk Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma)
 NABORTON Formation (Wilcox Group) (Paleocene) (Texas) (K-66)
 NACATOCH Sand (Navarro Group) (Upper Cretaceous) (Louisiana) (W-38; K-66)
 NACODOCHES Beds (=Sparta Sand) (Eocene) (Texas) (W-38; K-66)
 NAHEOLA Formation (Midway Group) (Paleocene) (Mississippi) (W-38; K-66; S-81)
 NAHEOLA Marl (Paleocene) (Mississippi) (W-38; K-66)
 NAMURIAN Series (upper Chesterian-lower Morrowan) (Upper Mississippian-Lower Pennsylvanian) (Carboniferous) (Europe)
 NANAFALIA Formation (Wilcox Group) (Paleocene) (Mississippi) (W-38; K-66; S-81)
 NANAFALIA Marl (Wilcox Group) (Paleocene) (Alabama) (W-38; K-66)
 NANAFALIA LANDING Marl (=Nanafalia Marl) (Wilcox Group) (Paleocene) (Alabama) (K-66)
 NAPPER Member (Hosston Formation) (Trinity Group) (Lower Cretaceous) (Louisiana)
 NARCISSA Sandstone (=Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
 NASH CREEK Formation (Vicksburg Group) (Oligocene) (Texas) (K-66)
 NATSY Limestone (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57; K-66)
 NATURAL CORRAL Member (=Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
 NAVAJOE MOUNTAIN Basalt Spilite Suite (Cambrian or Precambrian ?) (Oklahoma) (K-70)
 NAVARRO Group (Upper Cretaceous) (Texas) (W-38; K-66)
 NAVARRO Stage (Upper Cretaceous) (Gulf Coast) (USA) (K-70)
 NAVASOTA Beds (=Fleming Group) (Miocene) (Texas) (W-38; K-66)
 NAZERA pays (above Capps Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
 NAZERA GOEN pay (Buck Creek Sandstone) (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
 NEAL RANCH Formation (Wolfcamp Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66)
 NEBO Formation (=Oil Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; K-66)
 NEBO Quartzite (Cambrian) (Tennessee) (W-38; K-66)
 NEBRASKA Beds (=Arikaree Formation) (Miocene) (Nebraska) (W-38; K-66)

- NEBRASKA Conglomerate (=Caledonia Conglomerate) (Precambrian) (Michigan) (W-38; K-66)
- NEBRASKA Till (Pleistocene) (Nebraska) (K-66)
- NEBRASKA CITY Limestone Member (Wood Siding Formation) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- NEBRASKAN Stage (Pleistocene) (Nebraska) (W-38; K-66)
- NECESSITY Shale Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- NELAGONEY Formation (=Bigheart to Elgin units) (Ochelata-Vamoosa Groups) (Missourian-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- NELAGONEY Sandstone (=Wynona Sandstone Lentil) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- NELLIE sand (above Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- NELLIE BLY Formation (=Cherryvale Shale) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- NELLIS sand (=Nellie sand) (J-57)
- NEMAHA Subgroup (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- NEMIRE sand (=Taft Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- NEODESHA Sandstone (=Chanute Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- NEOGENE Series (2.8 - 25 m.y) (=Miocene-Pliocene Series) (Tertiary System) (Europe) (W-25; W-38; L-86)
- NEOHELKIAN Stage (955-1,370 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Canada)
- NEOSHO Formation (=Beattie through Speiser units) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- NEOSHO Limestone (=Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- NEOZOIC System (=Tertiary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38)
- NEPHELINE syenite (Upper Cretaceous) (Ouachita terrane) (Arkansas; Louisiana; Mississippi; Texas)
- NESCATUNGA Gypsum Member (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-66)
- NESHIBA Sand (Claiborne Group)(Eocene) (Mississippi) (K-66; S-81)
- NEUSTADT sand (=Redoak Hollow Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- NEUTRAL coal bed (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- NEUTRAL Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)

- NEVA Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)
(Oklahoma) (W-38; J-57; K-66)
- NEVA Stage (Pleistocene) (Colorado) (K-66)
- NEVILLE Formation (Pleistocene) (Texas) (K-66)
- NEWBERN Shale Bed (Donegal Member) (Wellington Formation) (Sumner Group) (Leonardian)
(Permian) (Kansas) (W-38; K-66)
- NEWBERRY Formation (Precambrian) (Arizona) (K-66)
- NEWBERRY Formation (Pleistocene) (New York) (W-38)
- NEWBERRY Obsidian Flow (Holocene) (Oregon) (K-66)
- NEWBERRY Pumice (=Newberry Crater Pumice) (Pleistocene) (Oregon) (K-66)
- NEWBERRY sand (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- NEWBLOCK PARK Sand (Quaternary) (Oklahoma) (L-81)
- NEWBY Formation (Jurassic-Cretaceous) (Washington) (K-66)
- NEWBY Sand Member (Reklaw Formation) (Eocene) (Texas) (K-66)
- NEWCASTLE coal bed (Obregon Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- NEWCASTLE Formation (Cretaceous) (British Columbia) (Canada) (W-38)
- NEWCASTLE Formation (Cretaceous) (Wyoming) (W-38; K-66)
- NEWCASTLE Lens (Newcastle Formation) (Cretaceous) (Wyoming) (K-66)
- NEWKIRK Limestone (=Herington Limestone) (Oscar Group) (Gearyan-Lyonian)
(Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- NEWKIRK sand (White Cloud Shale Member) (Scranton Formation) (Ada Group) (Virgilian)
(Pennsylvanian) (Oklahoma) (W-38; J-57)
- NEWTON cyclothem (Mattoon Formation) (McLeansboro Group) (Pennsylvanian) (Illinois) (K-66)
- NEWTON Drift (Pleistocene) (North Dakota) (K-70)
- NEWTON Limestone (=Reisner Limestone Member) (Mattoon Formation) (McLeansboro Group) (Pennsylvanian) (Illinois) (K-66)
- NEWTON Sandstone Member (Crab Orchards Mountain Formation) (Pennsylvanian)
(Tennessee) (W-38; K-66)
- NEWTON Sandstone Member (Everton Formation) (Whiterockian) (Ordovician) (Arkansas) (W-38; K-66)
- NEYLANDVILLE Formation (Navarro Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- NIAGARAN Series (Middle Silurian) (New York) (W-38; K-66)
- NICHLOS sand (Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Oklahoma) (W-38; J-57)
- NICHOLAS sand (=Nichlos sand) (W-38)
- NICHOLS sand (McElroy Formation) (Eocene) (Texas) (W-38)
- NICHOLS sand (=Healdton sand) (below Crinerville Limestone) (Hoxbar Group) (Missourian)
(Pennsylvanian) (Oklahoma) (J-57)
- NICHOLS Shale (Cambrian) (Tennessee)(W-38; K-66)

- NICHOLS-YATES sand (=Healdton sand) (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- NIGH lime (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- NIGH sand (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian) (Oklahoma) (W-38; J-57)
- NILES lime (=Bunger Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- NILES sand (=Eastland Sandstone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- NIMROD Granite (Oligocene) (Oregon) (K-70)
- NIMROD Limestone (=Stockwether Limestone Member) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- NIMROD Shale (=Salt Creek Bend Shale Member) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- NINETEEN HUNDRED-FOOT or 1900-Foot sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- NINETY-SIXTH MERIDIAN sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- NINNESCAH Shale (=Garber Sandstone) (Sumner Group) (Leonardian) (Permian) (Kansas) (K-66)
- NIPPEWALLA Group (=Hennessey-El Reno Groups) (Leonardian-Guadalupian) (Permian) (Kansas) (K-66)
- NOBLE lime lentil (Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma; Texas)
- NOBLE Limestone (Conemaugh Group) (Pennsylvanian) (Ohio) (K-70)
- NOBLE RANCH Group (=Springer Group below Primrose Sandstone) (Chesterian-Morrowan) (Mississippian-Pennsylvanian) (Oklahoma) (L-81)
- NOBLE-OLSON sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- NOBLES sand (Schuler Formation) (Cotton Valley Group) (Jurassic) (Louisiana) (K-70)
- NOCONA Formation (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- NODAWAY coal bed (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- NODAWAY Limestone (=Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- NODAWAY Underclay (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-70)
- NODULAR lime (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- NOEL Shale (Chattanooga Group) (Upper Devonian) (Missouri) (W-38; K-66)
- NO-HO-CO Formation (=Anadarche Limestone and beds above) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)

- NOLANS Limestone Member (Enterprise Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- NOODLE CREEK lime (Camp Colorado Limestone Member) (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38)
- NORFLEET Limestone Bed (Lenapah Limestone Member) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- NORIAN Series (215-220 m.y.) (Upper Triassic) (Europe)
- NORMA Conglomerate (Oligocene) (Texas)
- NORMAN Division (=Wellington, Garber, Hennessey, and Flowerpot units) (Leonardian-Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- NORMAN Sandstone (=Garber Sandstone) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- NORPHLET Formation (Upper Jurassic) (Arkansas) (K-66)
- NORRIS Basalt (Tertiary) (Montana) (K-66)
- NORRIS coal bed (Allegheny Formation) (Pennsylvanian) (Ohio)
- NORRIS Limestone (=Snow Fork or Freeport units) (Allegheny Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
- NORRIS sand (below Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- NORRISTOWN Sandstone (=Stockton Formation) (Triassic) (Pennsylvania) (W-38; K-66)
- NORRISTOWN Shale (=Stockton Formation) (Triassic) (Pennsylvania) (W-38; K-66)
- NORRISTOWN Stage (=Hartshorne Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)(W-38; K-66)
- NORTH DENISON sand (=Weno Formation) (Lower Cretaceous) (Texas) (W-38; K-66)
- NORTH LEON Limestone Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)(W-38; K-66)
- NORTH SPECK CANYON pay (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- NORTH SPECK STRAWN Pay (=Brazos River Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- NORTHTRIP Member (Yegua Formation) (Eocene) (Texas)(K-66)
- NORTHVIEW Shale (Saint Joe Group) (Kinderhookian) (Mississippian) (Missouri) (W-38; K-66)
- NOWATA Shale (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- NOXIE Sandstone Member (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)
- NUEVO LEON Group (Cretaceous) (Texas) (K-70)
- NUYAKA CREEK Shale Member (=Dawson black shale) (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

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- O zone (Grand Falls Chert Member) (Keokuk Formation) (Boone Group) (Mississippian) (Oklahoma)
- OAK MOUNTAIN Felsite (Middlebrook Volcanic Suite) (Precambrian)(Missouri) (K-70)
- OAKES Moraine (Pleistocene) (North Dakota) (W-38)
- OAKES sand (Buckrange Sand Lenticle) (Ozan Formation) (Upper Cretaceous) (Louisiana) (W-38)
- OAKS Shale Member (Admire Formation) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- OAKVILLE Formation (Fleming Group) (Miocene) (Louisiana) (W-38; K-66)
- OATMAN CREEK Granite (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66; S-81)
- OBREGON Member (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (K-66)
- O'BRIEN sand (=Rochelle Conglomerate) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- OCHELATA Group (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- OCHOAN Series (250-255 m.y.) (Permian) (New Mexico)
- OCOTILLO Conglomerate (Pliocene-Pleistocene) (California) (K-66)
- OCOTILLO Siltstone Member (Tansill Formation) (Ochoan) (Permian) (Texas) (K-66)
- ODEE Formation (Pleistocene) (Kansas) (K-66)
- ODELL Shale Member (Enterprise Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- ODOM lime (Brannon Bridge Limestone Bed) (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- OGALLALA Formation (Pliocene-Miocene) (Oklahoma) (W-38; K-66)
- OGDEN Flint (=Wreford Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- OGDEN Quartzite (=Brigham Quartzite) (Cambrian) (Utah) (W-38; K-66)
- OIL CITY lime (Keystone Dam Limestone Member) (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- OIL CREEK Formation (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57; K-66)
- OIL CREEK Formation (Oligocene) (California) (L-91)
- OIL CREEK Third sand (=Third sand) (Pennsylvanian) (New York) (W-38)
- OJINAGA Formation (Cretaceous) (Texas) (W-38; K-70)
- OJO BONITO Porphyry (Cretaceous) (Texas) (W-38; K-66)
- OKAY Limestone Lenticle (=Beil Limestone) (Lecompton Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- OKEENE zone (Chesterian) (Mississippian) (Oklahoma)
- OKEMAH Limestone Bed (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)

- OKEMAH sand (Nowata Shale) (=lower Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- OKESA Sandstone Member (Barnsdall Formation) (Ochelata Group) (Missourian)(Pennsylvanian) (Oklahoma) (W-38; K-66)
- OKETO Shale Member (Barneston Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- OKLAHOMA Series (=Gearyan-Lyonian Series) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- OKLAHOMA CITY CHECKERBOARD lime (=Lost City and Dodds Creek units) (Hogshooter-Coffeyville Formations) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- OKLAHOMAN Series (=Oscar Group mostly) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- OKLAN Series (=Desmoinesian Series) (Pennsylvanian) (Oklahoma) (K-66)
- OKMULGEE Group (=Cherokee, Marmaton, Pleasanton Groups, down to Savanna Formation) (Desmoinesian-Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- OKMULGEE WILCOX sand (=Bromide sand) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- OLATHE Limestone Member (=Stoner Limestone Member) (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- OLD CROW Gypsum Bed (Rush Springs Sandstone) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- OLD OCEAN Shale (Oligocene) (Texas) (K-66)
- OLDEN sand (Pennsylvanian) (Texas) (W-38)
- OLDS Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (L-91)
- OLDS sand (Oil Creek Formation) (Simpson Group) (Whitrockian) (Ordovician) (Oklahoma) (W-38; J-57)
- OLIGOCENE Series (25-38 m.y.) (Tertiary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- OLIVINE gabbro (G zone) (Glen Mountains Layered Complex) (Cambrian or Precambrian) (Oklahoma)
- OLMOS Sandstone (Navarro Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- OLPE Shale (=Soldier Creek - Wamego units) (Bern-Zeandale Limestones) (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- OLSON Limestone Member (Kootenai Formation) (Cretaceous) (Montana) (W-38)
- OLSON sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- OLYMPIC sand (below Henryetta coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- OMADI Sandstone (=Purgatoire-Mesa Rica units) (Lower Cretaceous) (Nebraska) (K-66)
- OMEN Sandstone Member (Queen City sand) (Eocene) (Texas) (W-38; K-66)
- ONAGA Limestone (=Howe Limestone Member ?) (Red Eagle Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)

- ONAGA Shale (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (K-66)
- ONALASKA Member (Catahoula Formation) (Miocene) (Texas) (W-38; K-66)
- ONE HORSE Gypsum Bed (=Weatherford Dolomite) (Rush Springs Sandstone) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- ONE THOUSAND-FOOT or 1000-FOOT gas sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- ONION CREEK Marl (Pleistocene) (Texas) (W-38; K-66)
- ONION CREEK Sandstone Lentil (Rock Lake Member) (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (L-81)
- OOLITIC lime (Keel Formation) (Chimneyhill Subgroup) (Hunton Group) (Upper Ordovician) (Oklahoma) (J-57)
- OOLITIC lime (above Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- OOLITIC lime (Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- OOLITIC lime-3 (Hart lime) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- OOLITIC zone (Cason Shale) (Richmondian) (Cincinnatian) (Upper Ordovician) (Arkansas)
- OOLOGAH Limestone (=Pawnee, Bandera, and Altamont units) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- OPPELLO Volcanic Breccia (Upper Cretaceous) (Arkansas) (W-38; K-66)
- ORAN Sandstone Bed (Posideon Shale Member) (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- ORBITOLINA Limestone Member (Glen Rose Formation) (Lower Cretaceous) (Texas) (W-38)
- ORDNANCE PLANT Member (Moorefield Formation) (Meramecian) (Mississippian) (Oklahoma) (K-66)
- ORDOVICIAN System (425-500 m.y.) (Paleozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- OREAD Limestone (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- ORIANA Gypsum (=Relay Creek or lower Eskota units) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- ORR Formation (Cambrian) (Utah) (W-38; K-66)
- ORR sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- ORR RANCH Bed (Segovia Formation) (Lower Cretaceous) (Texas) (L-81)
- ORTHOAMPHIBOLITE dikes (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- OSAGE Group (=Osagean Series) (Mississippian) (Missouri) (W-38; K-66)
- OSAGE Lens (Newcastle Sandstone) (Dakota Group) (Cretaceous) (Wyoming) (K-66)
- OSAGE lime (Osagean) (Mississippian) (Oklahoma)
- OSAGE Limestone (=Gasconade Dolomite) (Lower Ordovician) (Missouri) (W-38; K-66)
- OSAGE Limestone (=Howard Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

- OSAGE Shale (=Severy, Howard, and Scranton units) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38)
- OSAGE CITY Limestone (=Howard Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- OSAGE CITY Shale (=Severy Shale) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- OSAGE COUNTY Microgranite (1,150 - 1,240 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- OSAGEAN Series (Mississippian) (Missouri) (W-38; K-66)
- OSAGE-LAYTON sand (Cottage Grove Sandstone Member) (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- OSBORNE Limestone Member (=Fort Hays Limestone Member) (Niobrara Chalk) (Upper Cretaceous) (Kansas) (W-38; K-66)
- OSBORNE sand (below Henryetta coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- OSCAR Group (Neva Limestone to base of Wellington Formation) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66; S-81)
- OSCAR sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- OSCAR sand (=Crinerville to Wade units) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- OSKALOOSA Shale Member (Deer Creek Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- OSTRACOD lime (=Black Ostracod lime) (above Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- OSWALDO Formation (Magdalena Group) (Pennsylvanian) (New Mexico) (W-38; K-66)
- OSWEGO lime (=Breezy Hill, Excello, and Fort Scott units) (Cherokee-Marmaton Groups) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- OSWEGO Limestone (=Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- OSWEGO Moraine (Pleistocene) (New York) (W-38)
- OSWEGO Sandstone (Ordovician) (New York) (W-38; K-66)
- OTERO Formation (Tertiary) (New Mexico) (W-38; K-66)
- OTERO Granite (Mesozoic) (Arizona) (K-70)
- OTERO Limestone (=Lamar Limestone) (Bell Canyon Formation) (Delaware Mountain Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- OTERO MESA Member (Yeso Formation) (Leonardian) (Permian) (New Mexico) (K-66)
- OTOE Member (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (K-66)
- OTOE Shale Member (Friedrich Formation) (Virgilian-Gearyan) (Pennsylvanian) (Nebraska) (K-66)
- OTTAWA Beds (Ordovician) (Ontario) (Canada) (W-38)
- OTTAWA Gneiss (Precambrian) (Ontario) (Canada) (W-38)
- OTTAWA Limestone (=Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)

- OTTAWA Limestone Supergroup (Ordovician) (Canada) (K-70)
- OTTER CREEK Coral Bed (Preachersville Member) (Drakes Formation) (Ordovician) (Kentucky) (K-70)
- OTTER CREEK Granite (Precambrian) (Wisconsin) (W-38; K-66)
- OTTER CREEK Microdiorite (Cambrian) (Oklahoma) (L-86)
- OTTER CREEK Sandstone Member (Cloverly Formation) (Cretaceous) (Wyoming) (K-66)
- OTTER CREEK Shale (=Otter Formation) (Mississippian) (Montana) (W-38; K-66)
- OTTERVILLE Limestone (=Wapanucka Limestone) (basal Dornick Hills Group) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; K-66; C-76)
- OUACHITA chert conglomerates (=Talihina Chert) (Strawn-Wichita Groups) (Deese-Hoxbar-Cisco Groups) (Desmoinesian-Leonardian) (Pennsylvanian-Permian) (Oklahoma; Texas)
- OUACHITA Shale (=Mazarn, Blakely, and lower Womble units) (Ordovician) (Arkansas) (W-38; K-66)
- OUACHITA stone (=lower Arkansas Novaculite honestone) (Silurian-Lower Devonian) (Arkansas) (W-38)
- OUACHITITE dikes (Upper Cretaceous) (Arkansas)
- OVERALL Limestone Member (Admiral Formation) (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66)
- OVERALL sand (Colony Creek Shale Member) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- OVERBRROK Granite Gneiss (=Port Deposit Gneiss) (Precambrian) (Pennsylvania) (W-38; K-66)
- OVERBROOK Sandstone Member (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (W-38; K-66; C-76)
- OVERLOOK Sandstone Member (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)(L-81)
- OWASSO Sandstone Member (Nowata Shale) (lower Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- OWEN Limestone Member (Lime Creek Formation) (Devonian) (Iowa) (W-38; K-66)
- OWEN shale (above Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- OXFORDIAN Series (155-160 m.y.) (Upper Jurassic) (Europe)
- OZAN Formation (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- OZARK Group (=Osagean Series) (Mississippian) (Missouri) (W-38; K-66)
- OZARK Marble (=Bonnetterre Dolomite) (Upper Cambrian) (Missouri) (W-38; K-66)
- OZARK Sands (=Geneva Sands) (Pleistocene) (Alabama) (W-38; K-66)
- OZARK Sandstone (McAlester Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- OZARK Series (=Ozarkian System) (Cambrian-Ordovician) (Missouri) (W-38; K-66)
- OZARK stone (=Lower Arkansas Novaculite) (Silurian-Lower Devonian) (Arkansas)
- OZARKIAN Epoch (Pliocene-Pleistocene) (USA) (W-38; K-66)
- OZARKIAN Series (=Canadian Series) (Ordovician) (Iowa) (W-38)
- OZARKIAN Stage (Pliocene) (Iowa) (W-38)
- OZARKIAN System (Upper Cambrian-Lower Ordovician) (Missouri) (W-25; W-38; K-66)

OZAWKIE Limestone Member (Deer Creek Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

P

P zone (Grand Falls Chert Member) (Keokuk Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma)

PACKSADDLE beds (Ogallala Formation) (Pliocene) (Oklahoma) (K-70)

PACKSADDLE Schistose Suite (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)

PACKSADDLE BRIDGE volcanic ash (Ogallala Formation) (Pliocene) (Oklahoma)

PACKSAND beds (=Paluxy Formation) (Lower Cretaceous) (Texas) (W-38)

PADDOCK Shale Member (Nolans Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)

PADRE Formation (El Paso Group) (Ordovician) (Texas) (C-76; L-81)

PAINT ROCK Member (Lueders Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

PAINT ROCK WEST BEND pay (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

PAINT ROCK WEST STRAWN pay (=Hog Mountain Sandstone Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

PAINTERHOOD Limestone (=Oread Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

PAJARITO Rhyolite (Cretaceous) (Arizona) (K-66)

PAJARITO Shale (Dakota Group) (Cretaceous) (New Mexico) (K-66)

PAKES sand (below Williams Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

PALACINE shale (Confederate Limestone to Confederate coal) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

PALAFOX Sandstone (Claiborne Group) (Eocene) (Texas) (W-38; K-66)

PALEOCENE Series (55-67 m.y.) (Tertiary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)

PALEOGENE Series (25-67 m.y.) (=Paleocene, Eocene, and Oligocene Series) (Tertiary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)

PALEOHELKIAN Stage (1,370 - 1,735 m.y.) (Proterozoic) (Precambrian) (Canada)

PALEOZOIC Era or Erathem (250-570 m.y.) (Cambrian-Permian) (Europe) (W-25; W-38; L-86)

PALMYRA Limestone Bed (Friedrich Shale Member) (Root Shale) (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (K-66)

PALMYRA Member (Waterville Formation) (Silurian) (Maine) (K-70)

PALO DURO Beds (=Clarendon Beds) (Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)

- PALO PINTO Formation (lower Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- PALO PINTO lime (=Wynn Limestone Member) (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- PALO PINTO sand (Posideon Shale Member) (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- PALUXY Formation (Lower Cretaceous) (Texas) (W-38; K-66)
- PANDEM THOMAS sands (above Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- PANHANDLE Beds or Formation (=Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
- PANHANDLE big lime (Winfield to Wellington units) (Oscar-Sumner Groups) (Gearyan-Lyonian-Leonardian) (Pennsylvanian-Permian) (Texas) (J-57)
- PANHANDLE dolomite (=Herington Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- PANHANDLE lime (Milan Dolomite Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Oklahoma)
- PANHANDLE Rhyolite (Precambrian) (New Mexico) (K-70)
- PANHANDLE terrane (igneous; metamorphic rocks) (1,180 - 1,800 m.y.) (X and Y Series) (Lower to Middle Proterozoic) (Precambrian) (Texas)
- PANOLA Formation (Silurian-Devonian) (Kentucky) (W-38; K-66)
- PANOLA Granite (Paleozoic) (Georgia) (K-66)
- PANOLA sand (Atoka Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- PANTERA Trachyte (Garren Group) (Tertiary) (Texas) (K-66)
- PANTHER CREEK Formation (Cretaceous) (Washington) (L-81)
- PANTHER CREEK Limestone (=Birch Creek Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- PAOLA Limestone Member (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- PAOLI Limestone (Mississippian) (Indiana) (W-38; K-66)
- PAOLI Limestone (=Paola Limestone) (W-38; K-66)
- PAPOOSE sand (=Cromwell sand) (lower Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- PAPOOSE sand (Mississippian) (Pennsylvania) (W-38)
- PAPOOSE Volcanic Suite (Tertiary) (Wyoming) (K-66)
- PARIS coal bed (upper Savanna Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- PARIS Formation (Ordovician) (Kentucky) (W-38; K-66)
- PARIS Moraine (Pleistocene) (Ontario) (Canada) (W-38)
- PARIS Shale (=upper Savanna, lower Boggy units) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- PARKER HILL Sandstone Member (Moyers Formation) (Stanley Group) (Chesterian) (Mississippian) (Arkansas) (K-66)

- PARKER HILL Schist (pre-Devonian ?) (New Hampshire) (W-38; K-66)
- PARKS Member (Kickapoo Creek Formation))(Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- PARKS sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- PARKS sand (=Rod Club Sandstone Member))(Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- PARKS MOUNTAIN Sandstone Member (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian))(Texas) (W-38; K-66)
- PARKVILLE Limestone (=Cement City Limestone Member) (Drum Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PARKVILLE shale (=Ireland Creek, Farley and Bonner Springs units) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PARKWOOD Formation (Chesterian-Morrowan) (Mississippian-Pennsylvanian) (Alabama) (W-38; K-66)
- PARSONS Formation (=Altamont, Nowata, and Lenapah units) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PARVIN zone (Chesterian) (Mississippian) (Oklahoma)
- PASTORIA Sand Member (White Bluff Formation) (Jackson Group) (Eocene) (Arkansas) (K-66)
- PATCHELL sand (=Tulsa Sandstone) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- PATSY sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)(W-38; J-57)
- PATTERSON Limestone Member (Shady Dolomite) (Lower Cambrian) (Virginia) (W-38; K-66)
- PATTERSON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- PATTERSON sand (Cretaceous) (Colorado) (W-38)
- PATTERSON Sandstone (Silurian) (Mississippi) (L-81)
- PATTERSON RANCH Group (=Viola and Sylvan units) (Ordovician) (Oklahoma) (K-66)
- PATTY sand (below Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- PAUL BARTON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- PAWHUSKA Formation (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- PAWHUSKA lime (=Lecompton to Topeka units) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38)
- PAWHUSKA sand (Lagonda Sandstone Member) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- PAWHUSKA Series (=Kanwaka, Pawhuska, Severy-Aarde, and Bird Creek units) (Vamoosa-Ada Groups)(Virgilian) (Pennsylvanian) (Oklahoma) (W-38)
- PAWHUSKI Limestone (=Pawhuska Formation) (W-38)
- PAWNEE Limestone (=Happy Hollow Limestone Member) (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

- PAWNEE Limestone Member (Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- PAWNEE Limestone Series (=Labette and Pawnee units) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PAWPAW coal bed (=Weir-Pittsburg coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- PAWPAW Sandstone Member (Bokchito Formation) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
- PAYNE Sandstone (=Wreford Limestone) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- PEABODY Granite (Ordovician) (Massachusetts) (W-38; K-66)
- PEABODY sand (below Sadler lime) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- PEACEABLE Sand (=Gerty Sand) (Pleistocene) (Oklahoma) (W-38; K-66)
- PEACE TREATY Bed (Cedar Hills Sandstone) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- PEACH ORCHARD sand (=Taft Sandstone Member) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- PEACH ORCHARD Sandstone Member (Breathitt Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
- PEACOCK Formation (=Whitehorse and Cloud Chief units) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- PEACOCK sand (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38)
- PEARL Formation (Pleistocene) (Illinois) (L-81)
- PEARL Shale (=lower Wellington) (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- PEARLETTE Ash (Pleistocene) (Oklahoma) (W-38; K-66)
- PEARSALL Formation (Lower Cretaceous) (Louisiana) (K-66)
- PEARSON Glauconite Member (see Pierson) (K-66)
- PEARSON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- PEARSONIA Limestone Bed (Topeka Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)
- PEASE RIVER Group (=El Reno Group) (Guadalupian) (Permian) (Texas) (K-66)
- PEAT sand (=basal Lake Ardmore Sandstone) (Bend Group) (Morrowan) (Pennsylvanian) (Texas)
- PECAN GAP Chalk (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66; S-78)
- PECAN GROVE Sandstone Member (Joachim Dolomite) (Ordovician) (Missouri) (K-70)
- PECOS Formation (=Chalk Bluff, Castile, Salado, Rustler, and Pierce Canyon units) (Ochoan) (Permian) (New Mexico) (W-38; K-66)
- PECOS Shale (Permian) (New Mexico) (W-38; K-66)
- PECOS VALLEY Beds (Permian-Triassic above San Andres Group)(New Mexico) (W-38; K-66)
- PECOSIAN Series (Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)

- PEDEE Group (=Weston and Iatan units) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PEDERNALES Dolomite (Wilberns Formation) (Moore Hollow Group) (Trempealeuan) (Croixian) (Upper Cambrian) (Texas) (K-66)
- PEGMATITE dikes (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- PEGMATITES (Wichita Mountains Granite Group) (Cambrian) (Oklahoma)
- PEN Formation (Cretaceous) (Texas) (K-70)
- PENDEJO Tongue (Hueco Limestone) (Pennsylvanian) (New Mexico) (K-66)
- PENDLETON Formation (=Pendleton Ferry Formation) (Wilcox Group) (Paleocene) (Louisiana) (K-66)
- PENDLETON Sandstone (Devonian) (Indiana) (W-38; K-66)
- PENDLETON zone (=Pendleton Ferry Formation) (Wilcox Group) (Paleocene) (Texas) (W-38)
- PENDLETON FERRY Formation (Wilcox Group) (Paleocene) (Texas) (K-66)
- PENN or PENNSYLVANIAN CANEY shale (=upper Caney or Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- PENNSYLVANIAN System (275-330 m.y.) (=Upper Carboniferous) (Paleozoic Era or Erathem) (Pennsylvania) (W-25; W-38; L-86)
- PENTERS Chert (Lower Devonian) (Arkansas) (W-38; K-66)
- PENTREMITAL limestone (=Brentwood Limestone Member) (Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas) (W-38)
- PEOPLES sand (Cottage Grove Sandstone Member) (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- PEPPER Shale Member (Woodbine Formation) (Upper Cretaceous) (Texas) (W-38; K-66)
- PERCHA Shale (Upper Devonian-Lower Mississippian) (Texas) (W-38; K-66)
- PERCHAN Series (Upper Devonian) (New Mexico) (W-38; K-66)
- PERDIZ Conglomerate Member (South Rim Formation) (Oligocene) (Texas) (K-70)
- PERIDOTITE or LAMPROITE pipes (Upper Cretaceous) (Arkansas) (see Prairie Creek)
- PERMIAN System (250-275 m.y.) (Paleozoic Era or Erathem) (Russia) (W-25; W-38; L-86)
- PERRY Formation (Middle Devonian) (Pennsylvania) (W-38; K-66)
- PERRY Formation (Upper Devonian-Lower Mississippian) (Maine) (W-38; K-66; S-81)
- PERRY gas sand (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- PERRY Limestone (=Clear Creek Chert) (Silurian-Devonian) (Missouri) (W-38; K-66)
- PERRY sand (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- PERRY FARM Shale Bed (Lenapah Limestone Member) (=middle Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- PERRYMAN sand (Lagonda Sandstone Member) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- PERRYVILLE Carbonatite (Upper Cretaceous) (Arkansas)
- PERRYVILLE Member (Lexington Limestone) (Middle Ordovician) (Kentucky) (W-38; K-66)
- PERSIMMON GAP Shale (Richmondian) (Cincinnatian) (Upper Ordovician) (Texas) (K-66)
- PERSON Formation (Edwards Group) (Lower Cretaceous) (Texas) (L-81)

PERU Beds (Pleistocene) (Illinois) (W-38; K-66)
PERU Formation (Silurian or Devonian) (Maine) (K-70)
PERU Limestone (Devonian) (Pennsylvania) (W-38; K-66)
PERU sand (=Englevale Sandstone Member) (Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
PERU Sandstone (Devonian) (Pennsylvania) (W-38; K-66)
PETAN Trachyte (Vieja Volcanic Suite) (Oligocene) (Texas) (K-66)
PETROLIA First or 1st sand (Pocono Formation) (Mississippian) (Pennsylvania) (W-38)
PETROLIA Formation (Wichita Group) (Leonardian) (Permian) (Texas)
PETROLIA Shale (Hamilton Formation) (Devonian) (Ontario) (Canada) (W-38)
PETROLIA shale (above Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
PETROLIA shale (Salesville Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
PETTET Limestone Member (Sligo Formation) (Lower Cretaceous) (Louisiana) (L-81)
PETTIT Oolite (Chimneyhill Subgroup) (Hunton Group) (Richmondian) (Cincinnati) (Upper Ordovician) (Oklahoma) (K-70)
PETTUS sand (Yegua Formation) Eocene) (Texas) (W-38)
PEYTON CREEK Shale (=Imo Formation) (Chesterian) (Mississippian) (Arkansas) (K-70)
PFEIFER Shale Member (Greenhorn Limestone) (Upper Cretaceous) (Kansas) (W-38; K-66)
PFLUGER pay (below Bunger Limestone Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
PFLUGERVILLE Formation (Austin Group) (Upper Cretaceous) (Texas) (L-91)
PHANEROZOIC Eon (Cambrian to Holocene) (Europe) (W-38; L-86)
PHAROAH sand (Wewoka Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
PHELPS Sandstone (Mississippian) (Missouri) (W-38; K-66)
PHELPS Waterlime Member (Fiddlers Green Formation) (Silurian) (New York) (L-81)
PHYLLITE (Collier Formation) (Upper Cambrian-Lower Ordovician) (Arkansas)
PHYLLITE (Mazarn Shale) (Lower Ordovician) (Arkansas)
PHYLLITE (pre-Collier beds) (Cambrian) (Oklahoma)
PHYLLITIC metagraywacke (1,320 - 1,400 m.y) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
PHYLLITIC metagraywacke (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
PIACENZIAN Stage (2.8 - 4.6 m.y.) (Pliocene Series) (Europe)
PICACHO Alluvium (Pleistocene) (Texas) (K-70)
PICACHO Limestone (=San Andres Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
PICKENS sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
PICKENS Sandstone (Pennsylvanian) (West Virginia) (W-38; K-66)
PIEDMONT Gneissic suite (Precambrian) (Atlantic Coast) (W-38)

- PIEDMONT Metamorphic Suite (Precambrian-Cambrian) (North Carolina) (W-38; K-66)
- PIEDMONT Sandstone (=Homewood Sandstone) (Pennsylvanian) (West Virginia) (W-38; K-66)
- PIEDMONT Sandstone Member (Bison Formation) (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (K-66)
- PIERCE CANYON Formation (=Dewey Lake Formation) (Ochoan) (Permian) (Texas) (W-38; K-66)
- PIERCE ESTATE sands (Oligocene) (Texas) (K-66)
- PIERSON Glauconite Member (see Pearson) (Sabinetown Formation) (Paleocene) (Texas) (K-66)
- PIERSON Limestone (=Fern Glen Limestone) (Saint Joe Group) (Osagean) (Mississippian) (Missouri) (W-38; K-66)
- PIERSON POINT Shale (=Wamego, Maple Hill, and Pillsbury units) (Wabaunsee Group) (Gearyan-Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PIKE Gravel Member (Cossatot Formation) (Trinity Group) (Lower Cretaceous) (Arkansas) (W-38; K-66; L-91)
- PIKE sand (Pennsylvanian) (Kentucky) (W-38)
- PIKETON Gravel (Tertiary) (Missouri) (W-38; K-66)
- PILLAR BLUFF Limestone (Middle Silurian) (Texas) (K-66)
- PILLSBURY Shale (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (K-66)
- PILOT coal bed (=Tebo coal ?) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- PILOT Formation (=lower Senora) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- PILOT Gneiss (Y Series) (Middle Proterozoic) (Precambrian) (Virginia) (L-91)
- PILOT Shale (Devonian-Mississippian) (Nevada) (W-38; K-66)
- PILOT KNOB Conglomerate (Cambrian) (Missouri) (W-38; K-66)
- PILOT KNOB Felsite (Middlebrook Volcanic Suite) (Precambrian) (Missouri) (K-70)
- PILOT KNOB Formation (Precambrian) (Missouri) (W-38; K-66)
- PILOT KNOB Iron Formation (Precambrian) (Missouri) (W-38; K-66)
- PILOT KNOB Member (Broadhead Formation) (Mississippian) (Kentucky) (K-66)
- PILOT KNOB Sandstone Member (Anderson Formation) (Pennsylvanian) (Tennessee) (W-38; K-66)
- PILOT KNOB Tuff (Dessau Formation) (Cretaceous) (Texas) (K-66)
- PINE Salt Member (Spearfish Formation) (Permian) (North Dakota) (K-70)
- PINE sand (above Belle City Limestone) (Hilltop Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- PINE Sand (Pleistocene) (North Carolina) (K-66)
- PINE Sandstone (Pottsville Group) (Pennsylvanian) (Alabama) (W-38; K-66)
- PINE BLUFF Bed (Lewisville Member) (Woodbine Formation) (Upper Cretaceous) (Texas) (K-66)
- PINE BLUFF Quartz Porphyry (=Seneca Quartz Porphyry) (Precambrian) (Wisconsin) (W-38)
- PINE ISLAND Shale (Pearsall Formation) (Trinity Group) (Lower Cretaceous) (Louisiana) (K-66)

- PINERY Limestone Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (K-66)
- PINETOP Chert (=Haragan Formation) (Lower Devonian) (Oklahoma) (W-38; J-57; K-66)
- PINK crinoidal lime (=Clarita Formation) (Chimneyhill Subgroup) (Hunton Group) (Middle Silurian) (Oklahoma) (J-57)
- PINK lime (=Pawnee Limestone Member) (Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- PINK lime (=Tiawah Limestone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- PINTO Formation (Pleistocene) (California) (W-38; K-66)
- PINTO Gneiss (Precambrian) (California) (K-66)
- PINTO Limestone (=Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- PINTO Metadiorite (Precambrian) (Montana) (W-38; K-66)
- PINTO Sandstone (Cretaceous) (Utah) (W-38; K-66)
- PINTO CANYON Formation (Permian) (Texas) (K-66)
- PIONEER Formation (Apache Group) (Precambrian) (Arizona) (W-38; K-66)
- PIONEER Formation (Cretaceous) (California) (K-66)
- PIONEER pay (Smithwick Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
- PIONEER Sandstone Member (Indian Bluff Formation) (Pennsylvanian) (Tennessee) (W-38; K-66)
- PIPELINE Shale Member (Brushy Canyon Formation) (Leonardian) (Permian) (Texas) (K-66)
- PIQUA Limestone (=Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PIQUA stone (Silurian) (Ohio) (W-38)
- PISGAH Basalt Flow (Quaternary) (California) (K-70)
- PISGAH Member (Kincaid Formation) (Midway Group) (Paleocene) (Texas) (W-38; K-66)
- PISTOL RANGE Member (McKelligon Formation) (Ordovician) (Texas) (K-70)
- PITKIN Limestone (Chesterian) (Mississippian) (Arkansas) (W-38; K-66)
- PITTSBURG coal bed (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- PITTSBURG Formation (Eocene) (Washington) (W-38; K-66)
- PITTSBURG Formation (Pleistocene) (California) (K-66)
- PITTSBURG Formation (Seven Devils Group) (Carboniferous) (Idaho) (K-66; S-81)
- PLACID Shale Member (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- PLATEAU Gravel (=Centre Point Gravel) (Quaternary) (Arkansas) (W-38; K-66)
- PLATEAU Rhyolitic Suite (Pleistocene) (Wyoming) (K-70)
- PLATTIN Limestone (Whiterockian) (Ordovician) (Arkansas) (W-38; K-66)
- PLATTSBURG Group (=Iola, Lane, Wyandotte, Bonner Springs, and Plattsburg Limestone units) (Kansas City-Lansing Groups) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PLATTSBURG Limestone (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

- PLATTSMOUTH Limestone Bed (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- PLAYA deposits (Holocene-Pleistocene) (Oklahoma; Texas)
- PLEASANTON Group (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- PLEISTOCENE Series (0.01 - 2.8 m.y.) (Quaternary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- PLIENSACHIAN Series (185-190 m.y.) (Lower Jurassic) (Europe)
- PLIOCENE Series (2.8 - 5.3 m.y.) (Tertiary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- PLUM Bentonite Bed (Manning Formation) (Eocene) (Texas) (K-66)
- PLUMB Shale Member (Wood Siding Formation) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (K-66)
- PLUMMER Limestone Bed (=Rock Bluff Limestone Bed) (Deer Creek Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- POCASSET Gypsum Bed (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- POCKET HOLLOW Oolite Bed (Lutie Member) (Jefferson City Dolomite) (Lower Ordovician) (Arkansas) (K-66)
- POINT PEAK Member (Wilberns Formation) (Moore Hollow Group) (Trempealeuan) (Croixian) (Upper Cambrian) (Texas) (K-66)
- POINT ROCK Member (=Point Peak Member) (K-66)
- POLECAT sands (below Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- POLK BAYOU Limestone (=Fernvale and Kimmswick units) (Ordovician) (Arkansas) (W-38; K-66)
- POLK COUNTY Ash Bed (=Hatton Tuff Member) (Tenmile Creek Formation) (Stanley Group) (Mississippian) (Arkansas) (W-38; K-66)
- POLK CREEK Shale (Richmondian) (Cincinnatian) (Upper Ordovician) (Arkansas) (W-38; K-66)
- PONCA sand (Heebner and Kanwaka units) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- PONCA Sandstone (Cretaceous) (Nebraska) (W-38; K-66)
- POND RIDGE Rhyolite (Saint Francois Mountains Volcanic Subgroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- PONTOTOC Supergroup (Vanoss and Oscar Groups) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57; K-66)
- PONY CREEK Shale Member (Wood Siding Formation) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- POOLER sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

- POOLEVILLE Limestone Member (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (K-66)
- POPE Megagroup (=Chesterian-Meramecian) (Mississippian) (USA) (K-70)
- POPE CHAPEL Sandstone Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- POPLAR TANK Member (Skinner Ranch Formation) (Leonardian) (Permian) (Texas) (K-70)
- PORT HUDSON Formation (Pleistocene) (Texas) (W-38; K-66)
- PORTERFIELDIAN Stage (Ordovician) (Virginia) (K-66)
- PORTERS CREEK Clay (Midway Group) (Paleocene) (Arkansas) (W-38; K-66)
- POSIDEON Shale Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- POSSUM Sandstone Member (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- POST OAK Conglomerate (Leonardian-Ochoan) (Permian) (Oklahoma) (K-66)
- POTASH SULPHUR SPRINGS Syenite (Upper Cretaceous) (Arkansas) (K-70)
- POTATO HILL Andesite (Buck Hill Group) (Eocene) (Texas) (K-66)
- POTEAU Stage (=Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- POTOSI Dolomite (Trempealeauan) (Croixian) (Upper Cambrian) (Missouri) (W-38; K-66)
- POTOSI Group (=Potosi Dolomite, Eminence, Gasconade, Roubidoux, Jefferson City, Cotter, Powell, and Everton units) (Croixian-Whiterockian) (Upper Cambrian-Middle Ordovician) (Missouri) (W-38; K-66)
- POTOSI Residuary (=Potosi Dolomite and Eminence units) (Upper Cambrian) (Missouri) (W-38)
- POTOSI Slates (=Elvins Group) (Upper Cambrian) (Missouri) (W-38; K-66)
- POTOSI Volcanic Suite (Miocene or later) (Colorado) (W-38; K-66)
- POTSDAM Group (Upper Cambrian-Lower Ordovician) (New York) (W-38)
- POTSDAM Limestone (=Theresa Formation) (Cambrian) (New York) (W-38; K-66)
- POTSDAM Megagroup (=Potsdam Group) (Upper Cambrian-Lower Ordovician) (New York) (K-70)
- POTSDAM Sandstone (Cambrian) (New York) (W-38; K-66)
- POTSDAM Series or System (Upper Cambrian-Lower Ordovician) (New York) (W-38)
- POTTAWATOMIE Formation (=Kansas City-Lansing Groups, and Stranger Formation) (Missourian) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- POTTAWATOMIE Series (=Missourian Series) (Pennsylvanian) (Kansas) (W-38; K-66)
- POTTER Formation (=Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
- POTTER Shale (Devonian) (Pennsylvania) (W-38; K-66)
- POTTSBORO Subgroup (=Main Street and Grayson units) (Upper Cretaceous) (Texas) (W-38; K-66)
- POTTSVILLE Formation (Morrowan-Desmoinesian) (Pennsylvanian) (Mississippi) (W-38; K-66; S-78; S-81)
- POWELL Dolomite (Lower Ordovician) (Missouri) (W-38; K-66)

- POWELL Moraine (Pleistocene) (Ohio) (W-38)
- POWELL sand (Nacatoch Sand) (Upper Cretaceous) (Texas) (W-38)
- POWWOW conglomerate (Gearyan) (Pennsylvanian) (Texas) (W-38; K-66)
- PRAQUE Limestone (=Brownville Limestone Member) (Wood Siding Formation) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (J-57)
- PRAIRIE Diluvium (Quaternary) (Louisiana) (W-38)
- PRAIRIE Formation (Pleistocene) (Illinois) (W-38)
- PRAIRIE Formation (Pleistocene) (Louisiana) (K-66)
- PRAIRIE Formation (Devonian) (Saskatchewan) (Canada) (K-66)
- PRAIRIE Terrace (Pleistocene) (Arkansas)
- PRAIRIE CREEK Lamproite (Upper Cretaceous) (Arkansas)
- PRAIRIE CREEK Limestone Lentil (Geuda Springs Shale Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (K-66; S-81)
- PRAIRIE D'ANE Clay (Pleistocene) (Arkansas) (W-38; K-66)
- PRAIRIE De ROAN Division (=Prairie d'Ane Clay) (Pleistocene) (Arkansas) (W-38; K-66)
- PRAIRIE GROVE Member (upper Hale Formation) (Morrowan) (Pennsylvanian) (Arkansas) (K-66)
- PRAIRIE HOLLOW Shale (Jackfork Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66)
- PRAIRIE MOUNTAIN Formation (Jackfork Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66; C-76)
- PRATT HILL Quartzite (Precambrian ?) (Oklahoma)
- PRE-ARCHEAN or PRE-ARCHEOZOIC System (3,800 - 4,550 m.y.) (Precambrian Era or Erathem) (Europe) (L-86)
- PRE-COLLIER Beds (Cambrian) (Oklahoma)
- PRE-WELDEN Shale (Kinderhookian) (Mississippian) (Oklahoma)
- PRECAMBRIAN Era or Erathem (570-4,550 m.y.) (Proterozoic, Archeozoic or Archean, and Pre-Archeozoic or Pre-Archean Systems) (Europe) (W-25; L-86)
- PRECAMBRIAN igneous and metamorphic olistoliths (Blakely Sandstone) (Arkansas)
- PRECAMBRIAN igneous and metamorphic olistoliths (Haymond Formation) (Texas)
- PRECAMBRIAN metagabbro olistoliths (700-1,025 m.y.) (Paleozoic rocks) (Ouachita terrane) (Arkansas)
- PRECAMBRIAN soapstone olistoliths (Womble-Bigfork units) (Arkansas)
- PRESIDIO Formation (Cretaceous) (Texas) (W-38; K-66)
- PRESTON formation (=Kiamichi and Duck Creek units) (Lower Cretaceous) (Texas) (W-38; K-66)
- PRESTON Gabbro (Upper Paleozoic) (Connecticut) (W-38; K-66)
- PRESTON Hornblende Diorite (Upper Paleozoic) (California) (W-38; K-66)
- PRESTON Limestone (=Emporia Limestone) (Waubaussee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- PRESTON sand (Atoka and Morrow sands) (Morrowan-Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

- PRESTON-ARBUCKLE sand (=Arbuckle sand) (Antlers Formation) (Lower Cretaceous) (Oklahoma) (J-57)
- PREWITT Copper Shale Bed (Flowerpot Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)
- PREWITT Sandstone Member (Morrison Formation) (Jurassic) (New Mexico) (K-66)
- PRIABONIAN Stage (38-41 m.y.) (Eocene Series) (Europe)
- PRICE sand (McFearin Tongue) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- PRICE Sandstone (Mississippian) (Virginia) (W-38; K-66)
- PRICES FALLS Member (Clarita Formation) (Chimneyhill Subgroup) (Hunton Group) (Lower Silurian) (Oklahoma) (K-70)
- PRIDDY sand (above Fusulinid lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- PRIDOLIAN Series (Upper Silurian) (Europe)
- PRIMITIVE Era or Erathem (=Precambrian and Paleozoic units) (Europe) (W-38)
- PRIMM sand (=Meakin sand) (Marlbrook Marl) (Upper Cretaceous) (Arkansas) (W-38)
- PRIMROSE Sandstone (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66; C-76)
- PRIVITT sand zone (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- PROFFIT MOUNTAIN Rhyolite (Saint Francis Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- PROGONZOIC Era or Erathem (Precambrian) (Europe) (W-25; W-38)
- PROSPERITY Limestone Member (Greene Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- PROSPERITY sand (=Ryan Sandstone) (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (W-38; J-57)
- PROTEROZOIC System (570-2,500 m.y.) (X, Y, and Z Series) (Precambrian Era or Erathem) (Europe) (W-25; W-38; S-78; L-86)
- PROTOZOIC Era or Erathem (=Precambrian Era or Erathem) (Europe) (W-25; W-38)
- PROVO Formation (Trinity Group) (Lower Cretaceous) (Arkansas) (L-91)
- PROZOIC Era or Erathem (=Precambrian Era or Erathem) (Europe) (W-25; W-38)
- PRUE sand (Lagonda Sandstone Member) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- PRUETT Formation (Buck Hill Group) (Eocene) (Texas) (K-66)
- PRUITT sand (Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- PRUITT sand zone (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma)
- PRUITT RANCH Limestone member (Oil Creek Formation) (Whiterockian) (Ordovician) (Oklahoma) (K-70)
- PRYOR Conglomerate Member (Cloverly Formation) (Cretaceous) (Wyoming) (W-38; K-66)
- PRYOR Member (Georgetown Formation) (Lower Cretaceous) (Texas) (K-70)
- PRYOR CREEK Shale (=Krebs Subgroup) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

- PSYCHOZOIC Era or Erathem (=Holocene Series) (Europe) (W-25; W-38)
- PUEBLO Formation (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- PUEBLO Formation (Mesozoic or older) (Oregon) (W-38; K-66)
- PUEBLO Limestone Member (=Camp Colorado Limestone) (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- PUEBLO Quartzite (Precambrian) (New Mexico) (W-38; K-66)
- PUGH Formation (Pottsville Group) (Pennsylvanian) (West Virginia) (W-38; K-66)
- PUGH sand (above Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- PUGH sand (Simpson Group) (Ordovician) (Oklahoma) (W-38; J-57)
- PULLIAM Formation (=Escondido Formation) (Navarro Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- PUMPKIN CREEK Limestone (Big Branch Formation) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- PURCELL Basalt (Precambrian) (British Columbia) (Canada) (W-38; K-66)
- PURCELL facies (Belt Series) (Precambrian) (Montana) (K-66)
- PURCELL Limestone Member (Marcellus Formation) (Devonian) (Pennsylvania) (L-81)
- PURCELL Sandstone (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)
- PURCELL Series (Precambrian) (British Columbia) (Canada) (W-38; K-66)
- PURDY sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- PURDY sand (Vaughn Tongue) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- PURGATOIRE Formation (Lower Cretaceous) (Colorado) (W-38; K-66)
- PURPLE PLATY beds (=Moccasin Creek Bed) (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Oklahoma)
- PUSHMATAHA Series (=Tenmile Creek through Wesley units) (Stanley-Jackfork Groups) (Chesterian-Morrowan) (Mississippian-Pennsylvanian) (Oklahoma) (K-66)
- PUTNAM Erosion Cycle (Pleistocene) (Idaho) (W-38)
- PUTNAM Formation (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- PUTNAM Gneiss (Pre-Pennsylvanian) (Connecticut) (W-38; K-66)
- PUTNAM Limestone (Santa Anna Branch Shale Member) (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- PUTNAM Sandstone (Santa Anna Branch Shale Member) (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)

Q

- Q zone (Grand Falls Chert Member) (Keokuk Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma)
- QUANAHA Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma) (W-38; K-66)

- QUANAHA Gypsum (=Cedartop Gypsum Member) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- QUAPAW Chert (=Lincolnvillie Chert Bed) (Zone L) (Baxter Springs Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma) (W-38; K-66)
- QUAPAW Limestone (=Salem and Saint Louis units) (Meramecian) (Mississippian) (Oklahoma)
- QUAPAW Sandstone (=Revard Sandstone Member) (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)
- QUARRY Conglomerate (Pliocene or Miocene) (California) (K-66)
- QUARRY Limestone (=McNutt Limestone Bed) (Bokchito Formation) (Washita Group) (Lower Cretaceous) (Texas)
- QUARRY MOUNTAIN Formation (Middle Silurian) (Oklahoma) (K-70)
- QUARTERMASTER Dolomite (=Weatherford, Moccasin Creek, and Day Creek units) (Rush Springs-Cloud Chief Formations) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- QUARTERMASTER Formation or Group (=Cloud Chief, Doxey, and Elk City units) (Guadalupian-Ochoan) (Oklahoma) (W-38; K-66)
- QUARTZ biotite hornblende schist (1,260 m.y.) (Stewart Ranch Complex) (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- QUARTZ dikes (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- QUARTZ diorite (Y Series) (Middle Proterozoic) (Precambrian) (Waco Uplift; Texas)
- QUARTZ feldspar biotite gneiss (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- QUARTZ feldspar gneiss (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- QUARTZ syenite (Upper Cretaceous) (Arkansas)
- QUARTZITE (Carrizo Mountain Group) (Trans-Pecos terrane) (Y Series) (Middle proterozoic) (Precambrian) (Texas)
- QUARTZITE (Pre-Collier beds) (Cambrian) (Oklahoma)
- QUARTZITE (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- QUATERNARY System (0-2.8 m.y.) (Pleistocene, Holocene Series) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- QUEEN sand (Chemung Group) (Devonian) (Pennsylvania) (W-38)
- QUEEN Sandstone (=Rush Springs) (Whitehorse Group) (Guadalupian) (Permian) (New Mexico) (W-38; K-66)
- QUEEN CITY Sand (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- QUEEN HILL Shale Member (Lecompton Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- QUINDARO Shale Member (Wyandotte Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- QUINN Clay Bed (Parks Mountain Sandstone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (K-66)
- QUINN sand (=Cromwell sand) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- QUITMAN Formation (Cretaceous) (Texas) (W-38; K-66)

QUITMAN Limestone (=Howard Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
 QUITMAN Quartz Monzonite (Oligocene ?) (Texas) (K-66)
 QUITMAN MOUNTAIN Formation (Cretaceous) (Texas)
 QUIVIRA Shale Member (Cherryvale Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

R

R sand (basal Maroon Strawn beds) (Desmoinesian) (Pennsylvanian) (Texas)
 R zone (=Reeds Spring Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma)
 RADER Limestone Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (K-66)
 RAGAN and (below Brownville Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
 RAGGEDY MOUNTAIN Gabbro Group or Intrusive Supersuite (500-1,500 ? m.y.) (Cambrian or Precambrian) (Oklahoma) (W-38; K-66)
 RAGSDALE sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
 RAINBOW Clay (Woodbine Formation ?) (Upper Cretaceous) (Oklahoma)
 RAINBOW BEND sand (Bluejacket Sandstone Member) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38)
 RAINY Drift (Pleistocene) (Minnesota) (K-70)
 RAINY Limestone Member (Arroyo Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
 RAINY MOUNTAIN Limestone (=Arbuckle Group) (Upper Cambrian-Lower Ordovician) (Oklahoma) (W-38; K-66)
 RALPH BARTON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
 RALSTON Formation (Precambrian) (Colorado) (W-38; K-66)
 RALSTON Formation (=Clark Fork Formation) (Eocene) (Wyoming) (W-38; K-66)
 RALSTON Formation (=Ralston Creek Formation) (lower Morrison) (Jurassic) (Colorado) (K-66; S-81)
 RALSTON Group (=Lecompton to Wreford base) (Ada-Vanoss Groups) (Virgilian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
 RALSTON CREEK formation (=lower Morrison) (Jurassic) (Colorado) (K-66; S-81)
 RAMEY Gravel (Quaternary) (Texas) (K-70)
 RAMONA Formation (=Dewey through Avant units) (Skiatook-Ochelata Groups) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
 RAMONA HILL Member (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (L-81)
 RAMSEY Formation (Paleocene ?) (Nevada) (K-70)
 RAMSEY Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (L-91)
 RAMSEY sand (=lower Holdenville) (Nowata Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

- RAMSEY sand (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (W-38; J-57)
- RAMSEY zone (below Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- RAMSEY-BEST sand (=upper Lazy Bend Member) (Millsap Lake Formation) (Maroon Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- RANCHERIA Formation (Meramecian-Chesterian) (Mississippian) (Texas) (K-66)
- RANCHERIA Tuff Breccia (Miocene) (California) (K-70)
- RANDOLPH Granite (Devonian) (Vermont) (W-38; K-66)
- RANDOLPH Granite (Devonian or Pennsylvanian) (New Hampshire) (W-38; K-66)
- RANDOLPH Limestone (Cretaceous ?) (Arizona) (W-38; K-66)
- RANDOLPH Phyllite (Ordovician) (Vermont) (W-38; K-66)
- RANDOLPH sand zone (above DeNay Limestone) (Francis Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- RANGER Black lime (Brister Limestone Submember) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
- RANGER Formation (=Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- RANGER Limestone Member (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- RANGER Marble (Precambrian) (Wyoming) (W-38; K-66)
- RANGER oil sand (Lemons Bluff Beds) (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- RANGER Series (=Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- RAPIDES Shale (Austin Group) (Upper Cretaceous) (Louisiana) (K-66; S-81)
- RATON Basalts (=different units, such as Black Mesa Basalt) (Quaternary to Pliocene) (New Mexico) (K-66)
- RATON Formation (Cretaceous-Paleocene) (New Mexico) (W-38; K-66)
- RATTLESNAKE Formation (=Aguja Formation) (Cretaceous) (Texas) (W-38; K-66)
- RATTLESNAKE Formation (Pliocene-Pleistocene) (Oregon) (W-38; K-66)
- RATTLESNAKE Granite (Cretaceous) (California)
- RAWLINS Ash Bed (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (K-66)
- RAWLINS sandstone member (Mesaverde Formation) (Cretaceous) (Wyoming) (W-38)
- RAWLS Basalt (Buck Hill Group) (Pliocene ?) (Texas) (K-66)
- RAY Member (Kibbey Formation) (Mississippian) (Montana) (K-70)
- RAY sand (=Brazos River Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- RAY sand (Frio Clay) (Oligocene) (Texas) (W-38)
- RAYTOWN Limestone Member (=Avant Limestone) (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- RAYVILLE Member (Kickapoo Creek Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- READING Gneiss (Cambrian) (Vermont) (W-38; K-66)

- READING Granite (Pennsylvanian) (Massachusetts) (K-70)
- READING Limestone Member (Emporia Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- Reading Sandstone (=Chickes Quartzite) (Cambrian) (Pennsylvanian) (W-38; K-66)
- READING syenite (=Quincy Granite) (Mississippian ?) (Massachusetts) (W-38)
- REAGAN Sandstone (Timbered Hills Group) (Franconian) (Croixian) (Upper Cambrian) (Oklahoma) (W-38; J-57; K-66)
- REAGER Ash Bed (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (K-66)
- REAMSVILLE Ash Bed (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (K-66)
- RECENT Series (=Holocene Series) (Quaternary System) (Cenozoic Era or Erathem) (Europe) (W-25; W-38)
- RECEPTACULITES Limestone (=Kimmiswick Limestone) (Ordovician) (Missouri) (W-38)
- RED beds (Permian; Triassic) (USA) (W-38)
- RED limestone bed (below Lehigh coal) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- RED Sandstone (=Garber Sandstone) (Leonardian) (Permian) (Oklahoma)
- RED BLUFF Clay (Oligocene) (Mississippi) (W-38; K-66)
- RED BLUFF Formation (Cenozoic) (Montana) (K-66)
- RED BLUFF Formation (Pleistocene) (California) (W-38; K-66)
- RED BLUFF Granite (Precambrian) (Texas) (K-66)
- RED BLUFF Sandstone (=Whitehorse Group) (Guadalupian) (Permian) (Kansas) (W-38; K-66)
- RED BLUFF Stage (Pleistocene) (California) (W-38; K-66)
- RED BRANCH Member (Woodbine Formation) (Upper Cretaceous) (Oklahoma) (K-66)
- RED CAVE Sand (Garber Sandstone) (Leonardian) (Permian) (Texas) (W-38)
- RED CAVE shales (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38)
- RED EAGLE Limestone (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57; K-66)
- RED EAGLE Shale (=Roca Shale) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- RED FORK sand (=Taft to Tiawah units) (Boggy-Senora Formations) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- RED MOUNTAIN Andesite (Miocene, Pliocene) (California) (W-38; K-66; S-81)
- RED MOUNTAIN Basalt (Holocene ?) (California) (W-38; K-66; S-81)
- RED MOUNTAIN Dacite (Quaternary) (New Mexico) (K-66)
- RED MOUNTAIN Formation (Carboniferous or Triassic) (British Columbia) (Canada) (W-38)
- RED MOUNTAIN Formation (Silurian) (Alabama) (W-38; K-66; S-81)
- RED MOUNTAIN Gneiss (1,100 m.y.) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66; S-81)
- RED MOUNTAIN Granodiorite (Lower Cretaceous) (Oregon) (K-66; S-81)
- RED MOUNTAIN Group (Cambrian-Devonian) (Alabama) (W-38; K-66)
- RED MOUNTAIN Rhyolite (=Grizzly Mountain Rhyolite) (Paleocene) (Colorado) (W-38; K-66)

- RED MOUNTAIN Rhyolite (Tertiary) (Montana) (K-70; S-81)
RED MOUNTAIN Subgroup (Chilliwack Group) (Pennsylvanian) (British Columbia) (Canada) (L-86)
RED MOUNTAIN Syenite (Y Series) (Middle Proterozoic) (Precambrian) (Wyoming) (L-81; S-81)
RED MOUNTAINS Rhyolite (Pliocene) (Wyoming) (K-70; S-81)
RED OAK Member (=Buckhorn Member) (Dunleith Formation) (Ordovician) (Illinois) (K-66)
RED OAK sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
RED RIVER Formation (Bighorn Group) (Upper Ordovician) (Wyoming) (W-38; K-66; S-81)
RED RIVER Formation (Upper Ordovician) (Manitoba) (Canada) (W-38; K-66; S-81)
RED RIVER Group (=Eagle Ford and Woodbine units) (Upper Cretaceous) (Texas) (W-38; K-66)
RED RIVER Loess (Pleistocene) (Arkansas; Oklahoma; Texas; Louisiana) (W-38; K-66; S-81)
RED RIVER terrane (igneous, metamorphic rocks) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
RED STRAWN beds (=Millsap Lake to Ricker Station units) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
REDFIELD Formation (Jackson Group) (Eocene) (Arkansas) (K-66)
REDOAK Granite (Precambrian) (Virginia) (W-38; K-66)
REDOAK HOLLOW Sandstone Member (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (K-66; C-76)
REDONDO CREEK Member (Valles Rhyolite) (Pleistocene) (New Mexico) (origin of Pearlette Ash in part) (L-81)
REDWINE sand (Vaughn Tongue) (Cotton Valley Group) (Upper Jurassic) (Texas) (K-70)
REEDER Sandstone (=Dakota Group) (Cretaceous) (Kansas) (W-38; K-66)
REEDING Sandstone Member (Bison Formation) (Hennessey Group) (Leonardian) (Permian) (Oklahoma) (K-66)
REEDS SPRING Formation (Boone Group) (Osagean) (Mississippian) (Missouri) (W-38; K-66)
REFORMATORY Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma) (W-38; K-66)
REFORMATORY Granite (Precambrian) (Minnesota) (L-86)
REFUGIO sand (Frio Clay) (Oligocene) (Texas) (W-38)
REGAN Sandstone (see Reagan Sandstone) (Upper Cambrian) (Oklahoma) (W-38)
REKLAW Formation (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
RELAY CREEK Bed (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
RENDHAM Limestone (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas)
REPUBLIC Chert (upper Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
REPUBLIC Conglomerate (Precambrian) (Michigan) (K-66)
REPUBLIC Formation (Precambrian) (Michigan) (W-38; K-66)

- REPUBLIC Granite (Precambrian) (Michigan) (W-38; K-66)
REPUBLIC Quartzite (Precambrian) (Michigan) (W-38; K-66)
REPUBLIC Reef (Gallatin Formation) (Cambrian) (Montana) (W-38)
REQUIENIA Limestone Bed (=Caprotina Limestone) (Glen Rose Formation) (Lower Cretaceous) (Texas) (W-38)
RESENDEZ Shale (Jackson Group) (Eocene) (Texas) (K-66)
RESERVE Ash Flow (Pliocene) (New Mexico) (K-70)
RESERVE Shale Member (Falls City Limestone) (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian) (Kansas) (W-38; K-66)
REVARD Sandstone Member (Tallant Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
REVELLE sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
REXROAD Member (Ogallala Formation) (Pliocene) (Kansas) (K-66)
REYNOLDS Limestone Member (Bluefield Formation) (Mississippian) (West Virginia) (W-38; K-66)
REYNOLDS Oolite Member (Smackover Limestone) (Upper Jurassic) (Louisiana) (K-70)
REYNOLDS Sandstone Member (Hignite Formation) (Pennsylvanian) (Kentucky) (W-38; K-66)
REYNOLDS zone (above Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
REYNOSA Formation (=Lagarto to Beaumont units) (Pliocene-Pleistocene) (Mexico) (W-38; K-66)
RHAETIAN Series (200-215 m.y.) (Upper Triassic) (Europe)
RHINOCEROS HILL Beds (Ash Hollow Member) (Ogallala Formation) (Pliocene) (Kansas) (W-38; K-66)
RHODA CREEK Formation (=Goddard and Jefferson units) (Chesterian-Morrowan) (Mississippian-Pennsylvanian) (Oklahoma) (K-66; C-76)
RHODES sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
RHODES Tuff (Miocene) (California) (L-91)
RHYOLITE (1,180-1,300 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
RHYOLITE (1,180-1,280 m.y.) (Panhandle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
RHYOLITE (1,180-1,300 m.y.) (Washington County Volcanic Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
RHYOLITE (1,240 m.y.) (Carrizo Mountain Group) (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
RHYOLITE (1,500 \pm 50 m.y.) (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri)
RHYOLITE porphyry (1,180-1,300 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Arkansas)
RHYOLITE porphyry (529 \pm 31 m.y.) (Trans-Pecos terrane) (Middle Cambrian) (Texas)

- RHYOLITE porphyry (525 m.y.) (Carlton Rhyolite Group) (Wichita terrane) (Middle Cambrian) (Oklahoma)
- RHYOLITE porphyry (525 m.y.) (Colbert Rhyolite Porphyry) (Arbuckle terrane) (Middle Cambrian) (Oklahoma)
- RHYOLITE porphyry (Morehouse Formation) (Desmoinesian) (Pennsylvanian) (Sabine Uplift; Texas)
- RICE Formation (Pre-Reagan) (Cambrian ?) (Kansas) (K-70)
- RICE Gneiss (Precambrian) (Massachusetts) (L-81)
- RICH FOUNTAIN Member (Jefferson City Dolomite) (Lower Ordovician) (Missouri) (K-66)
- RICH HILL Limestone (= Ardmore or Verdigris Limestone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- RICHARDSON Subgroup (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- RICHLAND Formation (Cambrian) (Pennsylvania) (K-66)
- RICHLAND Limestone (Mississippian) (Ohio) (W-38; K-66)
- RICHLAND Loess (Pleistocene) (Illinois) (K-66)
- RICHLAND Sandstone (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- RICHMOND Earth (Miocene) (Virginia) (W-38; K-66)
- RICHMOND Formation (Eocene) (Jamaica) (W-38)
- RICHMOND Gneiss (Precambrian) (Minnesota) (L-86)
- RICHMOND Group (Ordovician) (Indiana) (W-38; K-66)
- RICHMOND Group (Precambrian) (Canada) (W-38)
- RICHMOND Sandstone (=New Richmond Sandstone) (Ordovician) (Wisconsin) (W-38)
- RICHMOND Till (Pleistocene) (Indiana) (K-70)
- RICHMONDIAN Stage (Cincinnatian Series) (Upper Ordovician) (Ohio) (W-38; K-66)
- RICHTER sand (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- RICKER Bed (=Ricker Sandstone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- RICKER Conglomerate (=upper Ricker Sandstone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- RICKER Limestone (=Ricker Station Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- RICKER Sandstone Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- RICKER STATION Limestone Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- RICKETS sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- RICKETS-SAMES sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

- RIFENBURG DEEP sand (below Davis sand) (Dornick Hills or Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)
- RILEY Formation (Moore Hollow Group) (Dresbachian) (Croixian) (Upper Cambrian) (Texas)(K-66)
- RILEY sand (Devonian) (West Virginia) (W-38)
- RILEY Series (=Cap Mountain and Lion Mountain units) (Riley Formation) (Moore Hollow Group) (Upper Cambrian) (Texas) (W-38; K-66)
- RIO BONITO member (San Andres Formation) (Guadalupian) (Permian) (New Mexico) (L-81)
- RIO GRANDE Drift (Pleistocene) (Texas) (W-38; K-66)
- RIO GRANDE Gravels (=Santa Fe Formation) (Tertiary) (New Mexico) (W-38; K-66)
- RIO GRANDE Loess (=Santa Fe Formation) (Tertiary) (New Mexico) (W-38; K-66)
- RIO GRANDE Marl (=Placita Marl) (Pleistocene) (New Mexico) (W-38; K-66)
- RIO GRANDE Series (=Virgilian Series) (Pennsylvanian) (New Mexico) (W-38; K-66)
- RIO GRANDE Series (=Santa Fe Formation) (Tertiary) (New Mexico) (W-38; K-66)
- RIO MIMBRES Sandstone (Montoya Group) (Ordovician) (Texas) (L-81)
- RISON Clay Member (White Bluff Formation) (Jackson Group) (Eocene) (Arkansas) (K-66)
- RITA BLANCA Formation (Pleistocene) (Texas) (K-66)
- RIVERTON coal bed (=Warner coal) (below Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- RIVERTON Formation (=McCurtain Shale Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- RIVERTON Ironstone (Paint River Group) (Precambrian) (Michigan) (K-66)
- RIVERVIEW Formation (Pleistocene) (Texas) (K-66)
- RIVERVIEW Limestone Member (Bond Formation) (Pennsylvanian) (Indiana) (L-81)
- ROAD CANYON Formation (Guadalupian) (Permian) (Texas) (K-70)
- ROARING RIVER Member (Budden Canyon Formation) (Cretaceous) (California) (K-66)
- ROARING RIVER Sandstone (=Sylamore Sandstone) (Chattanooga Group) (Upper Devonian) (Missouri) (K-66)
- ROBBINS Shale Member (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ROBERSON sand (Tokio Formation) (Austin Group) (Upper Cretaceous) (Arkansas) (K-70)
- ROBERTS RANCH Member (Dagger Flat Sandstone) (Franconian) (Trempealeuan) (Croixian) (Upper Cambrian) (Texas) (K-66)
- ROBINETT flags (=Bandera Quarry Sandstone Bed) (Bandera Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38)
- ROBINSON Diorite (Miocene-Pliocene) (Montana) (W-38; K-66)
- ROBINSON Formation (Pennsylvanian) (California) (W-38; K-66; S-81)
- ROBINSON Limestone Member (Minturn Formation) (Pennsylvanian) (Colorado) (W-38; K-66)
- ROBINSON Quartzite (Lower Cambrian) (Utah) (W-38; K-66)
- ROBINSON sands (=Flat Rock sand) (Carbondale Formation) (Pottsville Group) (Pennsylvanian) (Illinois) (W-38)
- ROBINSON Shale (Mississippian) (Nevada) (W-38; K-66)

- ROBINSON shale (Collier Formation) (Upper Cambrian ?) (Oklahoma)
- ROBINSON BRANCH coal bed (above Mineral, below Fleming coals) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri)
- ROBINSON BRANCH Member (Senora Formation) (Cabaniss Subgroup) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- ROCA Shale (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- ROCHELLE Conglomerate Bed (above Capps Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- ROCK BLUFF Limestone Bed (Deer Creek Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ROCK CREEK Conglomerate (=McCoy Formation in part) (Pennsylvanian) (Colorado) (K-66)
- ROCK CREEK Diorite (Jurassic) (British Columbia) (Canada) (W-38; K-66)
- ROCK CREEK Flow (Columbia River Basalt) (Miocene) (Idaho) (K-70)
- ROCK CREEK Formation (=Tule Formation) (Pleistocene) (Texas) (W-38; K-66)
- ROCK CREEK Gabbro (Jurassic) (British Columbia) (Canada) (W-38; K-66)
- ROCK CREEK Gneiss (Mesozoic) (Idaho) (K-70)
- ROCK CREEK Granodiorite (Jurassic) (British Columbia) (Canada) (W-38; K-66)
- ROCK CREEK Limestone (=Labadie Limestone Member) (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ROCK CREEK Limestone (=Collinsville ? and Lonsdale units) (McLeansboro Group) (Pennsylvanian) (Illinois) (W-38; K-66)
- ROCK LAKE Shale Member (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- ROCK LEVEE Formation (below Plattin, above Joachim units) (Ordovician) (Missouri) (K-66)
- ROCK PENS Member (Boquillas Formation) (Upper Cretaceous) (Texas) (L-81)
- ROCK PRAIRIE Sandstone (Jackson Group) (Eocene) (Texas) (K-66)
- ROCKAWAY Conglomerate Bed (Lutie Member) (Jefferson City Dolomite) (Lower Ordovician) (Missouri) (K-66)
- ROCKDALE Dolomite (Silurian) (Illinois) (K-66)
- ROCKDALE Drift (Pleistocene) (Illinois) (W-38; K-66)
- ROCKDALE Formation (Wilcox Group) (Paleocene) (Texas) (W-38; K-66; S-78)
- ROCKHILL Limestone Submember (Jasper Creek Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- ROCKLAND Formation (Ordovician) (New York) (W-38; K-66)
- ROCKLAND Formation (=Stockbridge Limestone) (Cambrian, Ordovician) (Maine) (W-38; K-66)
- ROCKLAND Sandstone (=National Sandstone) (Precambrian) (Michigan) (W-38; K-66)
- ROCKLAND Sandstone (Catahoula Formation) (Oligocene, Miocene) (Texas) (W-38; K-66)
- ROCKLANDIAN Substage (Trentonian Stage) (Champlainian Series) (Ordovician System) (Paleozoic Era or Erathem) (Eastern USA) (K-66)

- ROCKTOWN Sandstone (Dakota Group) (Cretaceous) (Kansas) (W-38; K-66)
- ROCKWALL Member (Pecan Gap Formation) (Upper Cretaceous) (Texas) (L-91)
- ROCKY CEDAR CREEK Limestone Lentil (Pisgah Member) (Kincaid Formation) (Paleocene) (Texas) (W-38; K-66)
- ROCKY COMFORT Chalk (=Annona and Pecan Gap units) (Taylor Group) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- ROCKY MOUND Limestone Bed (Wayland Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- ROCKY POINT Conglomerate (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- ROCKY POINT Formation (Oligocene) (Oregon) (K-66)
- ROCKY POINT Formation (Cretaceous) (Oregon) (K-70)
- ROCKY POINT Member (Peedee Formation) (Cretaceous) (North Carolina) (L-81)
- ROD CLUB Sandstone Member (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (W-38; K-66; C-76)
- RODESSA Formation (Trinity Group) (Lower Cretaceous) (Texas) (K-66)
- RODRIQUEZ TANK Sandstone (Lower Ordovician) (Texas) (K-66)
- ROGERS Chalk (=Pecan Gap Chalk) (Upper Cretaceous) (Texas) (W-38; K-66)
- ROLL sand (=Ryan Sandstone) (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (J-57)
- ROMA Sandstone Member (Fayette Sandstone) (Eocene) (Texas) (W-38; K-66)
- ROME Beds (Pliocene) (Oregon) (K-70)
- ROME Formation (Waucoban) (Lower Cambrian) (Mississippi) (W-38; K-66; S-77; S-81)
- ROME Sandstone (Lower Cambrian) (Georgia) (W-38; K-66)
- ROOSEVELT Formation (Apache Group) (Precambrian) (Arizona) (K-66)
- ROOSEVELT Gabbroic Suite (Raggedy Mountain Gabbro Group) (Cambrian) (Oklahoma) (L-86)
- ROOT Shale (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (K-66)
- ROSE sand (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (J-57)
- ROSEBERRY sand (Schuler Formation) (Cotton Valley Group) (Upper Jurassic-Lower Cretaceous) (Louisiana) (K-70)
- ROSETT Bed (Midway Group) (Paleocene) (Texas) (K-66)
- ROSS Formation (Lower Devonian) (Tennessee) (K-66)
- ROSS Limestone (=Ross Fork Limestone) (Triassic) (Idaho) (W-38; K-66; S-81)
- ROSS Quartzite (Precambrian) (British Columbia) (Canada) (W-38)
- ROSS MINE Formation (Permian) (Texas) (K-66)
- ROSSVILLE Formation (=Stotler and Root units) (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- ROUBIDOUX Sandstone (Lower Ordovician) (Oklahoma) (W-38; K-66)
- ROUGH CREEK Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- ROUGH CREEK Shale Member (Tesnus Formation) (Mississippian) (Texas) (W-38; K-66)

- ROUGH MOUNTAIN Conglomerate Lentil (below Staff Limestone) (Brownwood Shale) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (K-66)
- ROUGH RIDGE Formation (Packsaddle Schistose Suite) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)(K-70)
- ROUND PRAIRIE Formation (=Johns Valley Shale) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66)
- ROWE coal bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- ROWE Formation (=McAlester and Savanna units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- ROWE lime (=Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- ROWE sand (below Rowe lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- ROWE Schist (Cambrian or Ordovician) (Massachusetts) (W-38; K-66)
- ROWLAND Formation (Pleistocene) (Oregon) (L-81)
- ROWLAND lime, shale (=Primrose, Target, and Gene Autry units) (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- ROWLAND Member (Drakes Formation) (Ordovician) (Kentucky) (K-70)
- ROXTON Limestone (Austin Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- ROYAL GORGE Rhyolite ($1,530 \pm 20$ m.y.) (Middlebrook Volcanic Suite) (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
- ROYER Dolomite (Arbuckle Group) (Trempealeuan) (Croixian) (Upper Cambrian) (Oklahoma) (W-38; K-66)
- ROYSTON Formation (=Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- ROYSTON Gypsum Bed (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38)
- ROYSTON pay (Harpersville Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian) (Texas)
- RUDELL Shale Member (Moorefield Formation) (Meramecian) (Mississippian) (Arkansas) (K-66; C-76)
- RUE sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- RUEL BLAKE sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- RULO Limestone Member (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- RUNNYMEDE Sandstone member (Ninnescah Shale) (Leonardian) (Permian) (Kansas) (K-66)
- RUPELIAN Stage (33-38 m.y.) (Oligocene Series) (Europe)
- RUSH CREEK Member (Rushford Lake Formation) (Devonian) (New York) (K-70)
- RUSH CREEK Member (Woodbine Formation) (Cretaceous) (Texas) (K-70)

- RUSH SPRINGS Sandstone (=Queen Sandstone) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- RUSK Formation (Trinity Group) (Lower Cretaceous) (Louisiana) (K-66)
- RUSSELL Formation (=Rome Formation) (Lower Cambrian) (Virginia) (W-38; K-66)
- RUSSELL Formation (=Greenhorn and Fairport units) (Upper Cretaceous) (Kansas) (W-38) (K-66)
- RUSSELL Gabbro (Precambrian) (New York) (K-66)
- RUSSELL sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- RUSSELL Serpentine (Precambrian ?) (Massachusetts) (W-38)
- RUSSELL Slate (Cambrian) (Vermont) (K-66)
- RUSSELL CREEK Limestone Member (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- RUSSELL MOUNTAIN Rhyolite (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- RUSSELLVILLE Shale (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38) (K-66)
- RUSTLER Formation (Ochoan) (Permian) (Texas) (W-38; K-66)
- RUSTLER SPRINGS Formation (=Rustler Formation) (Ochoan) (Permian) (Texas) (W-38; K-66)
- RUTLAND Dolomite (Cambrian) (Vermont) (W-38; K-66)
- RUTLAND Limestone Bed (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (L-81)
- RYAN Formation (Miocene or younger) (California) (K-66)
- RYAN Sandstone Member (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)

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- S sand (Maroon Strawn beds) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SABINE Formation (=Wilcox Group) (Paleocene) (Texas) (W-38; K-66)
- SABINE phase (=Claiborne Group) (Eocene) (Louisiana) (W-38)
- SABINE Stage (Eocene) (Gulf Coast) (USA) (K-66)
- SABINE RIVER Beds (=Wilcox and lower Claiborne Groups) (Paleocene-Eocene) (Texas) (W-38; K-66)
- SABINETOWN Formation (Wilcox Group) (Paleocene) (Louisiana) (W-38; K-66; S-78)
- SACCHAROIDAL Sandstone (=Everton and Saint Peter units) (Middle Ordovician) (Missouri) (W-38)
- SACFOX Subgroup (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- SADDLE CREEK Limestone Member (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- SADDLE MOUNTAIN Andesite (Oligocene) (Nevada) (K-70)

- SADDLE MOUNTAIN Diorite (Jurassic) (Oregon) (K-70)
- SADDLE MOUNTAIN Granite (Wichita Mountains Granite Group) (Cambrian) (Oklahoma) (W-38; K-66)
- SADDLE MOUNTAIN Lava (Cenozoic) (California) (K-66)
- SADDLEHORSE Gypsum Bed (=Moccasin Creek Bed) (Cloud Chief Formation) (Foss Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- SADLER LIME (=Pumpkin Creek Limestone) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SADLER sand (below Sadler lime) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SAGUYALON lime (=Spaniard Limestone) (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SAINT CLAIR Limestone (Middle Silurian) (Arkansas) (W-38; K-66; S-79)
- SAINT CLAIR Limestone Member (Murfreestboro Limestone) (Ordovician) (Virginia) (K-66)
- SAINT CLAIR Shale (=Antrim Shale) (Devonian) (Michigan) (W-38; K-66)
- SAINT CROIXAN Series (=Croixian Series) (Upper Cambrian) (Wisconsin) (W-25; W-38; K-66)
- SAINT EDWARDS Tuff Member (Burditt Marl) (Austin Group) (Upper Cretaceous) (Texas) (K-66)
- SAINT FRANCOIS Limestone (=Bonnetterre through Everton units) (Upper Cambrian-Middle Ordovician) (Missouri) (W-38; K-66)
- SAINT FRANCOIS MOUNTAINS Intrusive Suite (1,500 ± 50 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- SAINT FRANCOIS MOUNTAINS Volcanic Supergroup (1,500 ± 50 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- SAINT JOE Group (Kinderhookian-Osagean) (Mississippian) (Oklahoma) (W-38; K-66; S-78)
- SAINT JOE Limestone (=Lecompton Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Missouri) (W-38; K-66)
- SAINT JOE Limestone Member (Butterfield Formation) (Pennsylvanian) (Utah) (K-70)
- SAINT JOHNS Bentonite Bed (Cook Mountain Formation) (Tertiary) (Louisiana) (K-70)
- SAINT JOHNS Moraine (Pleistocene) (Michigan) (W-38)
- SAINT JOHNS Moraine (=Salamonie Moraine) (Pleistocene) (Indiana) (W-38)
- SAINT JOHNS Shale (Cambrian) (Newfoundland) (W-38)
- SAINT JOHNS Slate (Cambrian) (Newfoundland) (W-38)
- SAINT JOSEPH Formation (=Locust Point Formation) (Mississippian) (Indiana) (W-38; K-66)
- SAINT JOSEPH Limestone (=Bonnetterre and Elvins units) (Upper Cambrian) (Missouri) (W-38; K-66)
- SAINT LOUIS Amygdaloid (Precambrian) (Michigan) (W-38; K-66)
- SAINT LOUIS Conglomerate (=Bohemia Conglomerate) (Precambrian) (Michigan) (W-38; K-66)
- SAINT LOUIS Drift (Pleistocene) (Minnesota) (K-70)
- SAINT LOUIS Flow (Precambrian) (Michigan) (W-38; K-66)
- SAINT LOUIS Gabbro (=Duluth Gabbro) (Precambrian) (Minnesota) (W-38)

- SAINT LOUIS Group (=Meramecian Series) (Mississippian) (Missouri) (W-38; K-66)
SAINT LOUIS Limestone (Meramecian) (Mississippian) (Missouri) (W-38; K-66)
SAINT LOUIS Lode (Precambrian) (Michigan) (W-38)
SAINT LOUIS Marls (=Pella Formation) (Mississippian) (Iowa) (W-38; K-66)
SAINT LOUIS Slate (=Virginia Slate) (Precambrian) (Minnesota) (W-38; K-66)
SAINT MAURICE Formation (=Cook Mountain, Stone City, Sparta, and Cane River units) (Eocene) (Texas) (W-38; K-66)
SAINT MAURICE Formation (restricted) (=Cook Mountain Formation) (Eocene) (Texas) (W-38; K-66)
SAINT MAURICE Sand (Quaternary) (Canada) (W-38)
SAINT MAURICE Till Member (Jessup Formation) (Pleistocene) (Indiana) (L-81)
SAINT PETER Group (=Saint Peter and Everton units) (Ordovician) (Missouri) (W-38; K-66)
SAINT PETER Sandstone (Whiterockian) (Ordovician) (Arkansas) (W-38; K-66)
SAINT PETERS Sandstone (=Saint Peter Sandstone) (Ordovician) (Minnesota) (W-38)
SAINT PETERS Shell Limestone (=Platteville Limestone) (Ordovician) (Wisconsin) (W-38)
SAINTE GENEVIEVE Group (of Eastman 1903) (=Warsaw through Chester beds) (Meramecian-Chesterian) (Mississippian) (Missouri; Illinois) (W-38; K-66)
SAINTE GENEVIEVE Group (of Williams 1922) (=Warsaw through Chester beds) (Meramecian-Chesterian) (Mississippian) (Missouri; Illinois) (W-38; K-66)
SAINTE GENEVIEVE Limestone (Meramecian) (Mississippian) (Missouri) (W-38; K-66)
SAINTE GENEVIEVE Marble (=Salem Limestone) (Meramecian) (Mississippian) (Missouri) (W-38; K-66)
SAINTE GENEVIEVE Sandstone (=Aux Vases Sandstone) (Chesterian) (Mississippian) (Missouri) (W-38; K-66)
SAKMARIAN Series (275-285 m.y.) (=Gearyan Series in part, or Lyonian or Wolfcampian Series) (Upper Pennsylvanian or Upper Carboniferous or Lower Permian, according to different authors) (Russia)
SALADO Formation (Ochoan) (Permian) (Texas) (W-38; K-66)
SALEM Basalt (=Salem Hills Basalt) (Miocene) (Oregon) (K-66)
SALEM Breccia (=Attalla Conglomerate Member) (Chickamauga Limestone) (Ordovician) (Alabama) (W-38; K-66)
SALEM Diorite (Lower Paleozoic ?) (Massachusetts) (W-38; K-66)
SALEM Gabbro (Lower Paleozoic ?) (Massachusetts) (W-38; K-66)
SALEM Limestone Bed (Allegheny Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
SALEM Limestone (Meramecian) (Mississippian) (Indiana) (W-38; K-66)
SALEM Syenite (=Beverly Syenite) (Carboniferous) (Massachusetts) (W-38; K-66)
SALEM POINT Limestone (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
SALEM SCHOOL Limestone ? (=Home Creek Limestone) (Caddo Creek Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66; S-81)
SALEM SCHOOL Limestone Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66; S-81)

- SALESVILLE Shale Member (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- SALINE Formation (Wilcox Group) (Paleocene) (Arkansas) (K-66)
- SALINE BAYOU Member (Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- SALINE CREEK Conglomerate (cave deposit) (Pennsylvanian) (Missouri) (W-38; K-66)
- SALINENO Sandstone (Jackson Group) (Eocene) (Texas) (W-38; K-66)
- SALLISAW Formation (Lower Devonian) (Oklahoma) (W-38; K-66)
- SALLYARDS Limestone (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- SALLYARDS sand (=Bluejacket Sandstone ?) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38)
- SALMON PEAK Limestone (Cretaceous) (Texas) (K-70)
- SALT sand (=Bluejacket Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SALT sand (Burgoon Sandstone Member) (Pocono Formation) (Mississippian) (Pennsylvania) (W-38)
- SALT sand (Clarion Sandstone Member) (Allegheny Formation) (Pennsylvanian) (Pennsylvania) (W-38)
- SALT sand (Connoquenessing Sandstone) (Pottsville Group) (Pennsylvanian) (Pennsylvania) (W-38)
- SALT sand (Homewood Sandstone) (Pottsville Group) (Pennsylvanian) (Pennsylvania) (W-38)
- SALT sand (Mahoning Sandstone) (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38)
- SALT sand (Maxton sand) (Pottsville Group) (Pennsylvanian) (Kentucky) (W-38)
- SALT sand (Murrysville sand) (Pocono Formation) (Mississippian) (Pennsylvania) (W-38)
- SALT sand (=Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SALT CREEK Conglomerate (Cretaceous) (California) (K-66)
- SALT CREEK Fanglomerate (Pleistocene) (Utah) (W-38; K-66)
- SALT CREEK Gravel (Sanborn Group) (Pleistocene) (Kansas) (W-38; K-66)
- SALT CREEK Marble (=middle anhydride, Nescatunga Gypsum Member) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- SALT CREEK Member (Moenkopi Formation) (Triassic) (Arizona) (W-38; K-66)
- SALT CREEK BEND Shale Member (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- SALT FORK Group (=Hennessey and El Reno Groups) (Leonardiain-Guadalupian) (Permian) (Kansas) (W-38; K-66)
- SALT PLAINS Formation (Hennessey Group) (Leonardiain) (Permian) (Oklahoma) (W-38; K-66)
- SAM CREEK coal bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

- SAM CREEK Limestone Bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SAMES sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SAMS sand (below Brownville Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (J-57)
- SAN ANDRES Group (Guadalupian) (Permian) (Texas) (W-38; K-66)
- SAN ANGELO Sandstone (=Duncan Sandstone) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- SAN AUGUSTINE Group (=Weches Formation) (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- SAN CARLOS Formation (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- SAN CARLOS Formation (Pleistocene) (Panama) (W-38; K-66)
- SAN JON Formation (Pleistocene) (New Mexico) (K-66)
- SAN MARCIAL Basalt (Cenozoic) (Texas)
- SAN MARTINE Member (Boracho Limestone) (Cretaceous) (Texas) (K-66)
- SAN MIGUEL Cherts (=Ingleside, Marin, and Sausalito units) (Jurassic ?) (California) (W-38; K-66)
- SAN MIGUEL Conglomerate (=Telluride Conglomerate) (Eocene) (Colorado) (W-38; K-66)
- SAN MIGUEL Formation (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- SAN MIGUEL Limestone (Cretaceous or Tertiary) (Costa Rica) (W-38)
- SAN MIGUEL Volcanics (Oligocene, or Miocene) (California) (L-81)
- SAN SABA Member (Wilberns Formation) (Moore Hollow Group) (Trempealeuan) (Croixian) (Upper Cambrian) (Texas) (W-38; K-66)
- SAN VICENTE Member (Boquillas Formation) (Upper Cretaceous) (Texas) (K-70)
- SANATORIUM Limestone Lentil (Geuda Springs Shale Member) (Wellington Formation) (Sumner Group) (Leonardian) (Permian) (Kansas) (K-66)
- SANBORN Group (Pleistocene) (Kansas) (W-38; K-66)
- SANCHEZ Sandstone (Jackson Group) (Eocene) (Texas) (W-38; K-66)
- SAND BEACH Terrace (Holocene) (Texas) (K-66)
- SAND BRANCH Formation (=Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (K-66; C-76)
- SAND CREEK Formation (=Grayhorse through Foraker units) (Vanoss Group) (Virgilian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- SAND CREEK Pumice (Holocene) (Oregon) (K-66)
- SANDEL Formation (Vicksburg Group) (Eocene-Oligocene) (Louisiana) (K-66; S-81)
- SANDERS BRIDGE Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- SANDSTONE CREEK Lentil (Elk City Sandstone) (Ochoan) (Permian) (Oklahoma)
- SANDY Formation or Metamorphics (=Sandy Creek Member) (Packsaddle Schistose Suite) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-70; L-86)
- SANDY CREEK Beds (Ordovician) (New York) (W-38; K-66)

- SANDY CREEK Gabbro (Roosevelt Gabbroic Suite) (Raggedy Mountain Intrusive Supersuite) (Cambrian) (Oklahoma) (L-86)
- SANDY CREEK Granulite Gneiss (Proterozoic) (Precambrian) (Virginia) (L-91)
- SANDY CREEK Member (=Sandy Formation) (Packsaddle Schistose Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)(K-70)
- SANGAMONIAN Stage (Pleistocene Series) (Illinois) (W-38; K-66)
- SANSOM RANCH pay (Camp Creek Shale) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- SANTA ANNA Shale Member (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- SANTA ANNA BRANCH Shale Member (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- SANTA ELENA Limestone (Georgetown Formation) (Upper Cretaceous) (Texas) (K-70)
- SANTA FE Granite (Precambrian) (Colorado) (W-38; K-66)
- SANTA FE Group (Miocene-Pleistocene) (Texas) (W-38; K-66)
- SANTA FE sand (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (J-57)
- SANTA FE Schist (Cenozoic ?) (Cuba) (W-38)
- SANTA ROSA Basalt (Miocene) (California) (K-66)
- SANTA ROSA Beds (Devonian or Carboniferous) (Sonora) (Mexico) (W-38)
- SANTA ROSA Beds (Eocene ?) (Mariana Islands) (Guam) (K-66)
- SANTA ROSA Beds (Miocene) (Isthmus of Tehuantepec) (Mexico) (W-38)
- SANTA ROSA Conglomerate (Pennsylvanian) (Guatemala) (W-38)
- SANTA ROSA Formation (Pennsylvanian-Permian) (Guatemala; Mexico) (W-38)
- SANTA ROSA Formation (Dockum Group) (Upper Triassic) (New Mexico) (W-38; K-66)
- SANTANA Tuff (Bofecillos Group) (Oligocene or younger) (Texas) (K-70)
- SANTIAGO Chert (=Caballos Novaculite) (Silurian-Mississippian) (Texas) (W-38; K-66)
- SANTIAGO Formation (Eocene) (California) (K-66)
- SANTIAGO Formation (Oligocene) (Panama) (W-38; K-66)
- SANTO Limestone Member (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- SANTONIAN Series (80-85 m.y.) (Upper Cretaceous) (Europe)
- SAPPA Formation (Pleistocene) (Kansas) (K-66)
- SAPULPA Group (=Lenapah through Vamoosa Group) (Desmoinesian-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SAPULPA sand (=Bromide sand) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- SARATOGA Chalk (Taylor Group) (Upper Cretaceous) (Arkansas)(W-38; K-66)
- SARATOGA Sand (Pleistocene) (New York) (W-38; K-66)
- SARATOGA Series (=Saratoga Springs Group) (Cambrian) (New York) (W-38; K-70)
- SASAKWA Limestone Bed (=Checkerboard Limestone) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SAUCITO Sandstone Member (Cook Mountain Formation) (Eocene) (Mexico) (W-38)

- SAUK marine transgression (Cambrian) (Midcontinent) (USA)
- SAUSBEE Formation (Morrowan) (Pennsylvanian) (Oklahoma) (S-78; L-86)
- SAVANNA Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SAXET sand (Frio Clay) (Oligocene) (Texas) (W-38)
- SCAMMON coal bed (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SCAMMON Formation (above Tebo through Scammon coal) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)
- SCENIC DRIVE Formation (El Paso Group) (Lower Ordovician) (Texas) (K-70)
- SCHIST (Collier Formation) (Upper Cambrian-Lower Ordovician) (Arkansas)
- SCHIST (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- SCHIST (Panhandle terrane) (1,320-1,400 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- SCHIST (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- SCHIST (Stewart Ranch Complex) (Trans-Pecos terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- SCHIST (Tillman Metasedimentary Group) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- SCHIST (Waco Uplift) (Paleozoic ?) (Texas)
- SCHLOENBACHI Beds (=Kiamichi Formation) (Lower Cretaceous) (Oklahoma) (W-38)
- SCHOOL LAND sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- SCHOOL LAND sand (Garber Sandstone) (Leonardian) (Permian) (Oklahoma) (J-57)
- SCHOOL LAND sand (=McLish Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- SCHOOL LAND sand C (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (J-57)
- SCHOOL LAND sand D (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (J-57)
- SCHOOL MINE LEDGE Bed (Rich Fountain Member) (Jefferson City Dolomite) (Lower Ordovician) (Missouri) (K-66)
- SCHOOLHOUSE Chert (=Moyers siliceous shale) (Moyers Formation) (Stanley Group) (Chesterian) (Mississippian) (Oklahoma) (L-91)
- SCHOOLHOUSE Group (Cretaceous or younger) (New Mexico) (K-66)
- SCHOOLHOUSE Member (Snowshoe Formation) (Jurassic) (Oregon) (L-91)
- SCHOOLHOUSE Tongue (Weber Sandstone) (Permian) (Colorado) (K-66)
- SCHOTT sand (Yegua Formation) (Claiborne Group) (Eocene) (Texas) (W-38)
- SCHROYER Limestone Member (Wreford Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- SCHULER Formation (Cotton Valley Group) (Upper Jurassic-Lower Cretaceous) (Louisiana) (K-66)
- SCHWERTNER Member (Dessau Chalk) (Austin Group) (Upper Cretaceous) (Texas) (K-70)

- SCOTT Limestone (=Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38)
- SCOTT Member (Day Point Limestone) (Ordovician) (Vermont) (K-66)
- SCOTT sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- SCOTT sand (=Cherrykirk sand) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- SCOTT Shale (Pennsylvanian) (Tennessee) (W-38; K-66)
- SCRANTON Sandstone (Pottsville Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- SCRANTON Shale (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SCYTHIAN Series (245-250 m.y.) (Lower Triassic) (Europe)
- SEAMAN RANCH Shale Beds (Placid Shale Member) (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- SEARS sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- SEAY sand (=Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- SEBASTIAN Stage (=McAlester and Savanna units) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- SECO Formation (=Sabinetown Formation) (Wilcox Group) (Paleocene) (Texas) (W-38; K-66)
- SECOND or 2nd Anhydrite bed (=Hollenberg Dolomite) (Wellington Formation) (Leonardian) (Permian) (Oklahoma)
- SECOND or 2nd lime (=Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd Oolitic lime (=Glenpool Limestone) (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd Oolitic lime (=Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SECOND or 2nd Oolitic lime (=upper Cleveland sand) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SECOND or 2nd Oolitic sand (Nowata Shale) (lower Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd BOOCH sand (Warner Sandstone Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SECOND or 2nd BROMIDE sand (Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma)
- SECOND or 2nd CARPENTER sand (=Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd CHECKERBOARD lime (=Sasakwa Limestone) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd CROMWELL sand (=basal Union Valley) (Morrowan) (Pennsylvanian) (Oklahoma)

- SECOND or 2nd DEESE sand (=basal Wetumka Shale) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd DEESE sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd DORNICK HILLS lime zone (=Frensley and Lester units) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SECOND or 2nd DORNICK HILLS sand (=Hartshorne or Davis units) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SECOND or 2nd FIELDS sand (=Cromwell sand) (Braggs Member) (Sausbee Formation) (Morrowan) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd FIELDS sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd FRANCIS lime (Francis Shale) (Skiatook Group) (Missourian)(Pennsylvanian) (Oklahoma)
- SECOND or 2nd HAMILTON SWITCH sand (=Cromwell sand) (Braggs Member) (Sausbee Formation) (Morrowan) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd HEWITT Lignite (above Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd HEWITT sand (below Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd HOY sand (Wymore Shale Member) (Matfield Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- SECOND or 2nd MEGARGEL sand (below Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- SECOND or 2nd PRESTON sand (=Cromwell sand) (Braggs Member) (Sausbee Formation) (Morrowan) (Pennsylvanian) (Oklahoma)
- SECOND VALUE Dolomite (Montoya Group) (Whiterockian-Trentonian) (Ordovician) (Texas) (K-66)
- SECOND or 2nd WILCOX sand (Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- SECOR coal bed (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SECTION TWO sand (=Tulip Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- SEDALIA Limestone (Mississippian) (Missouri) (W-38; K-66)
- SEDWICK Limestone Member (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- SEGOVIA Formation (Cretaceous) (Texas) (L-81)
- SEGUIN Formation (Wilcox Group) (Paleocene) (Texas) (W-38; K-66; S-78)
- SELF sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- SELMA Chalk or Group (Upper Cretaceous) (Mississippi) (W-38; K-66; S-81)
- SELMA Division (Upper Cretaceous) (Alabama) (W-38; K-66)

- SEMINOLE Conglomerate (basal Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SEMINOLE Formation (=lower Coffeyville) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SEMINOLE sand (=Dodds Creek Sandstone) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- SEMINOLE sand (upper Mountain Lake Member) (Bromide Formation) (Simpson Group) (Blackriveran) (Ordovician) (Oklahoma) (W-38; J-57)
- SEMINOLE-MAYES formation (=Ada-Mayes formation) (Mississippian) (Oklahoma) (J-57)
- SENECA Chert (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Missouri) (W-38; K-66)
- SENECA Flow (Clayton Basalt) (Quaternary) (New Mexico) (K-66)
- SENECA Member (Onondaga Limestone) (Devonian) (New York) (W-38; K-66)
- SENECA Quartz Porphyry (Precambrian) (Wisconsin) (W-38; K-66)
- SENECA Sandstone (=Seneca Creek Sandstone) (Newark Group) (Triassic) (Maryland) (W-38)
- SENECAN Series (380-385 m.y.) (Upper Devonian) (New York) (W-38; K-66)
- SENORA Formation (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SENORA lime (=Fleming and Russell Creek units) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SENORA sand (below Henryetta coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SENTELL Member (Dorcheat Formation) (Cotton Valley Group) (Lower Cretaceous) (Louisiana)
- SEQUOYAH coal bed (=Croweburg coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SEQUOYAH Formation (Pottsville Group) (Pennsylvania) (Virginia) (W-38; K-66)
- SERBIN Sand Lentil (Mount Tabor Shale Member) (Cook Mountain Formation) (Eocene) (Texas) (K-66)
- SERPENTINE (Coal Creek Serpentine) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- SERPENTINE olistoliths (in Womble-Bigfork units) (Ouachita terrane) (Precambrian) (Arkansas)
- SERPENTINE plug (Taylor Group) (Upper Cretaceous) (Thrall Field; Texas)
- SERRAVALIAN Stage (10.8-15.4 m.y.) (Miocene Series) (Europe)
- SEVEN RIVERS Formation (=Cloud Chief Formation) (Guadalupean) (Permian) (Texas) (W-38; K-66)
- SEVEN SPRINGS Formation (McCutcheon Group) (Tertiary) (Texas) (K-66)
- SEVERY-AARDE Shale (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SEVILLE cyclothem (Pennsylvanian) (Illinois) (W-38; K-66)
- SEVILLE Limestone (=Inola Limestone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)

SEXTON Limestone (=Sexton Creek Limestone) (Silurian) (Illinois) (W-38)
SEXTON sand (Schuler Formation) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
SEXTON terrane (=Sexton Creek Limestone)(W-38)
SEYMOUR Formation (Pleistocene) (Texas) (W-38; K-66)
SHADRICK MILL Sandstone Bed (Mingus Formation) (Strawn Group) (Desmoinesian)
(Pennsylvanian) (Texas) (W-38; K-66)
SHADY Dolomite (Waucoban) (Lower Cambrian) (Mississippi) (W-38; K-66; S-78; S-81)
SHAFTER Limestone (=Glen Rose Formation) (Lower Cretaceous) (Texas) (W-38; K-66)
SHAHEEN 3800 pay (=Brazos River Formation) (Strawn Group) (Desmoinesian)
(Pennsylvanian) (Texas)
SHALE A member (McCully Formation) (Morrowan) (Pennsylvanian) (Oklahoma)
SHANNON sand (below Morris Ranch Sandstone) (Maroon Strawn beds) (Strawn Group)
(Desmoinesian) (Pennsylvanian) (Texas)
SHANNON Sandstone Member (Steele Shale) (Cretaceous) (Wyoming) (W-38; K-66)
SHARPSBORO Member (Dutchtown Formation) (Ordovician) (Missouri) (K-70)
SHATTUCK Sandstone Member (Queen Formation) (Whitehorse Group) (Guadalupian)
(Permian) (Texas) (K-66)
SHAW Formation (Jurassic) (Oregon) (K-70)
SHAW lignite (below Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
SHAWNEE Group (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
SHAWNEE Limestone (Allegheny Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
SHAWNEE Sandstone (=Thurman Sandstone) (Cherokee Group) (Desmoinesian)
(Pennsylvanian) (Oklahoma) (W-38; K-66)
SHAY sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
SHEEP CANYON Basalt (Oligocene and younger) (Texas) (K-66)
SHEEP CANYON Granite (Precambrian) (Arizona) (K-66)
SHEEP PASTURE Formation (Oligocene) (Texas) (L-81)
SHEEP PEN Sandstone (Triassic) (New Mexico) (W-38; K-66)
SHEEP PEN CANYON Formation (=Sheep Pen Sandstone) (Triassic) (New Mexico) (W-38;
K-66)
SHELDON Limestone Member (Topeka Limestone) (Shawnee Group) (Virgilian)
(Pennsylvanian) (Kansas) (W-38; K-66)
SHELL CREEK sand (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian)
(Oklahoma)
SHELL CREEK Sandstone Member (Nellie Bly Formation) (Skiatook Group) (Missourian)
(Pennsylvanian) (Oklahoma) (L-81)
SHELL CREEK Shale (Cretaceous) (Wyoming) (K-66)
SHELTON Granite Gneiss (Precambrian) (North Carolina) (W-38; K-66)
SHELTON Member (Trap Falls Formation) (Ordovician) (Connecticut) (L-91)
SHELTON sand (above Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
(W-38; J-57)
SHELY Group (Oligocene) (Texas) (K-66)

- SHEPHERD MOUNTAIN Rhyolite (Saint Francois Mountains Volcanic Supergroup) (Y Series)
(Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- SHERIDAN Formation (Pleistocene) (Nebraska) (W-38; K-66)
- SHERIDAN Formation (Ordovician) (Michigan) (W-38; K-66)
- SHERIDAN Quartzite (=Cloverly and Muddy units) (Cretaceous) (Wyoming) (W-38; K-66)
- SHERIDAN Sandstone (Silurian) (Maine) (W-38; K-66)
- SHERMANIAN Stage (Middle Ordovician) (New York) (K-66)
- SHIMER Dolomite Bed (=any one of 7 dolomites from the Acme to the Mangum) (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Texas) (K-70)
- SHIMER Gypsum Member (Blaine Formation) (El Reno Group) (Guadalupian) (Permian) (Kansas) (W-38; K-66)
- SHINGLE HILLS Formation (Lower Cretaceous) (Texas) (K-66)
- SHOAL CREEK Breccia (Miocene) (Utah) (K-66)
- SHOAL CREEK cyclothem (Pennsylvanian) (Illinois) (W-38; K-66)
- SHOAL CREEK Limestone (=Buda Limestone) (Upper Cretaceous) (Texas) (W-38; K-66)
- SHOAL CREEK Limestone Member (Bond Formation) (Pennsylvanian) (Illinois) (W-38; K-66)
- SHOLOM ALECHEM lime (=Daube and Andarche units) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- SHOLOM ALECHEM sand zone (=Rocky Point to below Arnold units) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SHONOLITE (Upper Cretaceous) (Arkansas)
- SHONGALOO Formation (Cotton Valley Group) (Upper Jurassic-Lower Cretaceous) (Louisiana) (K-66)
- SHOREHAMIAN Stage (Middle Ordovician) (Vermont) (K-66)
- SHORT CREEK Oolite (Meramecian) (Mississippian) (Oklahoma) (W-38; K-66)
- SHULTZ Limestone Bed (Talpa Member) (Clyde Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- SIDNEY Gravel Member (Ogallala Formation) (Pliocene) (Kansas) (K-66)
- SIDNEY Shale Member (=Sidney Flat Shale Member) (Markley Formation) (Eocene) (California) (K-66)
- SIEGENIAN Series (395-400 m.y.) (Lower Devonian) (Europe)
- SIERRA DEL CARMEN Limestone (=Del Carmen Limestone) (Cretaceous) (Texas) (K-70)
- SIERRA GRANDE Andesite Flow (Clayton Basalt) (Pleistocene ?) (New Mexico) (K-66)
- SIERRA GRANDE conglomerates (Morrowan-Ochoan) (Pennsylvanian-Permian) (New Mexico) (K-66)
- SIERRITE Formation (El Paso Group) (Lower Ordovician) (Texas) (K-66)
- SIGNAL MOUNTAIN Formation (Arbuckle Group) (Trempealeuan) (Croixian) (Upper Cambrian) (Oklahoma) (W-38; K-66)
- SIKES sand (=Cromwell sand) (lower Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- SILICEOUS group (Fort Payne Chert and Grainger Shale) (Mississippian) (Tennessee) (W-38)

- SILICEOUS lime (West Spring Creek Formation) (Arbuckle Group) (Lower Ordovician) (Oklahoma) (J-57)
- SILICEOUS limestone (Loyalhanna Limestone) (Mississippian) (Pennsylvania) (W-38)
- SILLIMANITE biotite schist (Red River terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- SILLO Sandstone (=Woodbine Formation) (Upper Cretaceous) (Oklahoma) (W-38; K-66)
- SILURIAN System (405-425 m.y.) (Paleozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- SILVER LAKE Group (Pliocene) (Oregon) (W-38; K-66)
- SILVER LAKE Metavolcanic Group (Phantom Lake Metavolcanic Suite) (Archean) (Precambrian) (Wyoming) (L-91)
- SILVER LAKE Shale Member (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SILVERMINE Granite (1,501 \pm 40 m.y.) (Bevo Intrusive Suite) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-66)
- SIMMS sand (McElroy Formation) (Eocene) (Texas) (W-38)
- SIMONS sand (Black and Simons sand) (=lower Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- SIMONS Syenite (Precambrian) (New York) (W-38; K-66)
- SIMPSON dense lime (Pooleville Member) (Bromide Formation) (Middle Ordovician) (Oklahoma) (J-57)
- SIMPSON dolomite (middle Mountain Lake Member) (Bromide Formation) (Middle Ordovician)(Oklahoma)
- SIMPSON Group (Whiterockian-Blackriveran) (Middle Ordovician) (Oklahoma) (W-38; J-57; K-66)
- SIMPSON sand (Simpson Group) (Middle Ordovician) (Oklahoma) (W-38)
- SIMPSON Shale (Devonian) (Alberta) (Canada) (W-38)
- SIMPSONIAN Series (Middle Ordovician) (Oklahoma) (K-66)
- SIMS Basalt Flow (Holocene) (Oregon) (K-70)
- SIMS sands (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- SIMS sands 1, 2, 3 (=Rod Club Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- SIMS sands 4 (=Redoak Hollow Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- SIMSBORO Sand Member (Rockdale Formation) (Wilcox Formation) (Paleocene) (Texas) (W-38; K-66)
- SINEMURIAN Series (190-195 m.y.) (Lower Jurassic) (Europe)
- SIPE SPRINGS Beds (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- SIX FLAGS Limestone Bed (Templeton Member) (Woodbine Formation) (Upper Cretaceous) (Texas) (K-70)
- SIX MILE Shale Member (Middlesex Shale) (Devonian) (New York) (W-38; K-66)

SIXMILE Granite (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66; S-81)

SIXMILE Schist (Precambrian ?) (Virginia) (K-66)

SIXSHOOTER Group (Cretaceous) (Texas) (K-66)

SIXTH or 6th DEESE sand (=lower Skinner sand) (Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

SIXTH STREET Terrace (Pleistocene) (Texas) (K-66)

SKIATOOK Group (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

SKINNER sand (Chelsea Sandstone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

SKINNER RANCH Formation (Leonardian) (Permian) (Texas) (K-70)

SKRAINKA Diabase (Precambrian) (Missouri) (W-38; K-66)

SKULL CREEK Shale Member (=Glencairn Shale) (Purgatoire Formation) (Lower Cretaceous) (Colorado) (W-38; K-66)

SLABTOWN Granite (Musco Group) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Missouri) (K-70)

SLATE (Collier Formation) (Upper Cambrian-Lower Ordovician) (Arkansas)

SLATE CREEK Granodiorite Porphyry (Mesozoic) (Alaska) (K-70)

SLATE CREEK Limestone Member (Wellington Formation) (Leonardian) (Permian) (Kansas) (K-66)

SLATE CREEK Member (Wood River Formation) (Pennsylvanian) (Idaho) (K-66)

SLATINGTON Shale (=Missouri Mountain Shale) (Lower Silurian) (Oklahoma) (W-38; K-66)

SLAUGHTER CREEK Member (Pendleton Formation) (Paleocene) (Texas) (K-66)

SLEDGE conglomerate (above Davis sand, below Devils Kitchen Conglomerate) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

SLEDGE conglomerate (above Pumpkin Creek Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

SLIGO Formation (Lower Cretaceous) (Louisiana) (K-66)

SLOAN beds (Sloan Limestone Member) (lower Marble Falls Formation) (Bend Group) (Morrowan) (Pennsylvanian) (Texas)

SLOAN Limestone Member (lower Marble Falls Formation) (Bend Group) (Morrowan) (Pennsylvanian) (Texas) (K-66)

SLOAN CANYON Shale (Triassic) (New Mexico) (W-38; K-66)

SMACKOVER Limestone (Upper Jurassic) (Arkansas) (K-66)

SMALLWOOD sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)

SMELTERTOWN Formation (Cretaceous) (Texas)

SMETANA Sandstone Member (Yegua Formation) (Claiborne Group) (Eocene) (Texas) (K-66)

SMITH sand (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

SMITH sand (=Cromwell sand) (lower Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57)

SMITH sand (upper Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

- SMITH sand (Yates Sandstone) (Cloud Chief Formation) (Guadalupian) (Permian) (Texas) (W-38)
- SMITHVILLE Chert (=Battiest Chert Member) (Tenmile Creek Formation) (Stanley Group) (Mississippian) (Oklahoma) (W-38; K-66)
- SMITHVILLE Limestone Member (Powell Dolomite) (Lower Ordovician) (Arkansas) (W-38; K-66; S-78)
- SMITHWICK Formation or Shale (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- SMITHWICK lime (Smithwick and Dickerson units) (Bend-Strawn Groups) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- SMOKY CREEK Member (Delaho Formation) (Miocene) (Texas) (L-81)
- SMUGGLERS PASS Formation (950 m.y.) (Thunderbird Group) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (L-91)
- SNAKE HILLS Formation (El Paso Group) (Lower Ordovician) (Texas) (K-70)
- SNAKE HILLS Trap (=Palisade Diabase) (Triassic) (New Jersey) (W-38)
- SNEEDS Limestone Lentil (Everton Formation) (Whiterockian) (Ordovician) (Arkansas) (W-38; K-66)
- SNI MILLS Limestone Bed (Lenapah Limestone Member) (middle Holdenville) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SNIABAR Limestone Member (Hertha Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- SNOMAC Limestone (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (K-66)
- SNOW zone (Stones River Dolomite) (Stones River Group) (Whiterockian) (Middle Ordovician) (Mississippi)
- SNYDERVILLE Shale Member (Oread Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- SOAPSTONE (Coal Creek Serpentine) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- SOAPSTONE olistoliths (in Womble-Bigfork units) (Ouachita terrane) (Precambrian) (Arkansas)
- SOJOURNER sand (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SOLDIER CREEK sand (above Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- SOLDIER CREEK Shale Member (Bern Limestone) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SOLDIERS Limestone Submember (Big Saline Member) (Marble Falls Formation) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas) (K-66)
- SOLDIERS HOLE Lentil (=Soldiers Limestone) (K-66)
- SOLEDAD Beds (Cretaceous) (Mexico) (W-38)
- SOLEDAD Conglomerate Member (Catahoula Formation) (Miocene) (Texas) (W-38; K-66)
- SOLEDAD Formation (Miocene) (California) (W-38; K-66)
- SOLEDAD Group (Oligocene-Miocene) (California) (W-38; K-66)

- SOLEDAD Rhyolite (Oligocene) (New Mexico) (W-38; K-66)
- SOLITARIO Formation (=Persimmon Gap Member) (Maravillas Chert) (Upper Ordovician) (Texas) (W-38; K-66)
- SOLITARIO Slate (Precambrian) (New Mexico) (W-38; K-66)
- SOLOMON Formation (Dakota Group) (Cretaceous) (Kansas) (K-66)
- SOLOMON Gypsum Member (Wellington Formation) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- SOLOMON Schist (Cambrian or Precambrian) (Alaska) (W-38; K-66)
- SOLOMON CREEK Member (Seguin Formation) (Wilcox Group) (Paleocene) (Texas) (W-38; K-66)
- SOPER LIMESTONE Bed (Bokchito Formation) (Lower Cretaceous) (Oklahoma) (L-81)
- SOUTH BEND Limestone (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SOUTH BEND Shale (=Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- SOUTH BOSQUE Formation (Eagle Ford Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- SOUTH BOSS Marl (=South Bosque)(K-66)
- SOUTH FORK Limestone Bed (Burlingame Limestone Member) (Bern Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- SOUTH FORK Member (Snowshoe Formation) (Jurassic)(Oregon) (L-91)
- SOUTH MOUND Shale Member (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-70)
- SOUTH RIM Formation (Big Bend Park Group) (Oligocene-Miocene) (Texas) (K-70)
- SOUTH TYLER Formation (Cretaceous) (Texas) (K-66)
- SOUTH WELLS Limestone Member (Cherry Canyon Formation) (Delaware Mountain Group) (Guadalupian) (Permian) (Texas) (K-66)
- SOUTHARD Dolomite Bed (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-70)
- SPADRA Felsophyre Member (Glendora Volcanics) (Miocene) (California) (K-66)
- SPADRA Shale (=upper Hartshorne-lower McAlester units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- SPANIARD coal bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SPANIARD Limestone Bed (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- SPARTA sand (Chesterian) (Mississippian) (Illinois) (W-38)
- SPARTA Sand (Claiborne Group) (Eocene) (Louisiana) (W-38; K-66)
- SPARTA Sands (=Sparta, Catahoula, and Citronelle units) (Tertiary) (Louisiana) (W-38; K-66)
- SPARTA Shale (=Black Earth Member) (Saint Lawrence Formation) (Cambrian) (Wisconsin) (W-38; K-66)
- SPAUDING Limestone (=Lenapah Limestone Member) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

- SPAULDING Quartz Diorite (Devonian ?) (New Hampshire) (K-66)
- SPAVINAW Granitic Suite or Group (1,160-1,280 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma) (W-38; K-66)
- SPEARS Member (Datil Formation) (Miocene) (New Mexico) (K-66)
- SPEARS sand (=Zuckerman Sandstone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- SPECK JENNINGS pay (below Capps Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SPECK MOUNTAIN Clay Member (below Speck Mountain Limestone) (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- SPECK MOUNTAIN Limestone Member (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- SPECK STRAWN pay (=Goen Limestone) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- SPECKLED BIRD coal bed (=Croweburg coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SPEISER Shale (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?)(Oklahoma) (W-38; K-66)
- SPENCER Chert (Ordovician) (Missouri) (W-38; K-66)
- SPENCER Formation (Eocene) (Oregon) (K-66)
- SPENCER sand (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (J-57)
- SPERGEN Limestone (=Salem Limestone) (Meramecian) (Mississippian) (Indiana) (W-38; K-66)
- SPERGEN HILL Limestone (=Salem Limestone) (Meramecian) (Mississippian) (Indiana) (W-38)
- SPICULAR lime (=Lone Grove 5, 6 sands) (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- SPICULAR lime (=Pawnee Limestone) (Wewoka Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SPIERS sand (=Rod Club Sandstone) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- SPILLER Sand Member (Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (K-66)
- SPIRO sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- SPIRO Sandstone Member (below Rowe coal) (Savanna Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- SPRABERRY Sandstone (Leonardian) (Permian) (Texas) (K-66)
- SPRING BRANCH Limestone Member (Lecompton Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- SPRING CREEK Bed (=Brazos River Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- SPRING CREEK Clays (=Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)

- SPRING CREEK cycle (Holocene) (Idaho) (W-38)
SPRING CREEK Formation (Pleistocene) (Texas) (K-66)
SPRING CREEK Granite (Precambrian) (Colorado) (W-38; K-66)
SPRING CREEK Limestone Member (Moorefield Formation) (Meramecian) (Mississippian) (Arkansas) (W-38; K-66; C-76)
SPRING CREEK Member (Stonehengè Limestone) (Ordovician) (Pennsylvania) (K-66)
SPRING HILL Limestone Member (Plattsburg Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
SPRING RIVER Sandstone (=Warner or lower units) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
SPRING ROCK Limestone (=Howard Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
SPRING ROCK Series (=Lecompton to Howard units) (Shawnee-Wabaunsee Groups) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
SPRINGER Group (=Goddard, Lake Ardmore, Academy Church, Primrose, Target, and Gene Autry units) (Chesterian-Morrowan) (Mississippian-Pennsylvanian) (Oklahoma) (W-38; J-57; K-66; C-76)
SPRINGER sands (Chesterian-Morrowan) (Mississippian-Pennsylvanian) (Oklahoma)
SPRINGERAN Series (Chesterian-Morrowan Series)(Mississippian-Pennsylvanian) (Oklahoma) (K-66)
SPRINKLE Formation (Austin Group)(Upper Cretaceous) (Texas) (K-70; S-78)
SQUARE PEAK Group (Tertiary) (Texas) (K-66)
SQUAW Flows (Tertiary) (Wyoming) (K-66)
SQUAW sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
SQUAW sand (Burgoon Sandstone) (Pocono Group) (Mississippian) (Pennsylvania) (W-38)
SQUAW sand (Sharpesville Sandstone)(Cuyahoga Group) (Mississippian)(Pennsylvania) (W-38)
SQUAW CREEK Diatomite Bed (Frenchman Springs Member) (Yakima Basalt) (Miocene) (Washington) (K-66)
SQUAW CREEK sand (=Bluejacket Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
SQUAW CREEK Schist (Mesozoic or Paleozoic) (Idaho) (K-70)
SQUIRREL sand (Lagonda Sandstone Member) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
SQUIRREL CREEK Formation (Paleocene) (Texas) (W-38; K-66)
STAENDEBACH Member (Tanyard Formation) (Ellenburger Group) (Lower Ordovician) (Texas) (K-66)
STAFF Limestone Bed (Wolf Mountain Shale Member)(Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian))(Texas) (W-38; K-66)
STAKED PLAINS Formation (=Ogallala Formation) (Pliocene) (Texas) (W-38; K-66)
STALNAKER sand (=Cheshewalla Sandstone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

- STAMPER zone (=Joins Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38; J-57)
- STANDLEY Shale (=Stanley Group) (Mississippian) (Oklahoma) (W-38)
- STANDPIPE Limestone Member (Vale Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- STANDPIPE Sandstone (Salem Point Shale Member) (Grenola Limestone) (Council Grove Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- STANLEY Group (Meramecian-Chesterian) (Mississippian) (Oklahoma) (W-38; K-66; C-76; S-77)
- STANTON Limestone (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- STANTON sand (Silurian) (Kentucky) (W-38)
- STANTON Series (=Vilas Shale and Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- STANTON Shale (Mississippian) (Kentucky) (W-38)
- STAPP Conglomerate Member (Johns Valley Shale) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66)
- STAR MOUNTAIN Rhyolite (Tertiary) (Barrilla Mountains, Texas) (K-66)
- STAR MOUNTAIN Rhyolite (Tertiary ?) (Davis Mountains, Texas) (K-70)
- STARCKE Limestone (Middle Silurian) (Texas) (K-70)
- STARK Shale Member (Hogshooter Limestone) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- STARK Syenitic Suite (Precambrian) (New York) (K-66)
- STEARNS Intrusive Suite (Precambrian) (Minnesota) (K-66)
- STEARNS Shale (Oscar Group)(Gearyan-Lyonian)(Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- STEGALL Rhyolite (Precambrian) (Missouri) (K-70)
- STEPHANIAN Series (290-310 m.y.) (=Missourian-Virgilian Series) (Upper Carboniferous) (Europe)
- STEPHENS lime (=Stevens lime ?) (Pennsylvanian) (Texas) (W-38)
- STEPHENS Sandstone Member (Slatestone Formation) (Pottsville Group) (Pennsylvanian) (Tennessee) (K-66)
- STEUSSY Shale Bed (Lazy Bend Member) (Millsap Lake Formation)(Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- STEVENS lime (=Goen Limestone Member) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38, Stephens)
- STEVENS Metamorphic Suite (Silurian) (Washington) (W-38; K-66)
- STEWART RANCH Complex (Trans-Pecos terrane) (Y and Z Series) (Middle to Upper Proterozoic-Middle Cambrian) (Precambrian-Middle Cambrian)(Texas)
- STICE cyclothyme (Senora Formation)(Cherokee Group) (Desmoinesian)(Pennsylvanian) (Kansas) (K-66)
- STIGLER coal bed (McAlester Formation) (Cherokee Group) (Desmoinesian)(Pennsylvanian) (Oklahoma)

- STILL sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- STILLWATER Formation (=Beattie through Herington units) (Oscar Group)(Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- STILLWATER Formation (Eocene) (Alaska) (W-38; K-66)
- STILLWATER Noritic Suite (Precambrian) (Montana)(W-38; K-66)
- STILLWATER Sandstone (=Buffalo Sandstone) (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38; K-66)
- STILLWATER Stage (Pleistocene) (Colorado) (K-66)
- STINE Shale (Admire Formation) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- STOCKTON coal bed (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38)
- STOCKTON Formation (Triassic) (New Jersey) (W-38; K-66)
- STOCKTON Limestone (=Cannelton Limestone Member) (Kanawha Formation) (Pennsylvanian) (West Virginia)(W-38; K-66)
- STOCKTON sand (below Sadler lime) (Strawn Group) (Desmoinesian) (Pennsylvanian)(Texas)
- STOCKTON Shale Member (=Cannelton Shale Member)(Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- STOCKTON Slate Member (=Stockton Shale Member) (Kanawha Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- STOCKWETHER Limestone Member (Pueblo Formation) (Cisco Group)(Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)(W-38; K-66)
- STOKES sand (=Layton sand) (Dodds Creek Sandstone Member) (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38)
- STOKES Sandstone (=Cheyenne Sandstone) (Lower Cretaceous) (Kansas)(W-38; K-66)
- STOKES HILL Sandstone (=Cheyenne Sandstone) (Lower Cretaceous) (Kansas) (W-38; K-66)
- STONE CITY Formation (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- STONE CORRAL Dolomite Member (=Cimarron Anhydrite) (Garber Sandstone)(Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- STONE LAKE Shale Bed (Altamont Limestone Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-70)
- STONEBREAKER Limestone (=Emporia Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- STONEBREAKER Shale Member (=Harveyville Shale) (Emporia Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian)(Oklahoma)
- STONER Limestone Member (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- STONES RIVER Beds (Middle Ordovician) (Tennessee) (W-38)
- STONES RIVER Dolomite (Stones River Group) (Whiterockian) (Middle Ordovician) (Mississippi)
- STONES RIVER Group (Whiterockian) (Middle Ordovician) (Mississippi) (Tennessee) (W-38; K-66; S-81)

- STONES SWITCH Sandstone Member (Whitsett Formation) (Eocene) (Texas) (K-66)
- STONO Granite (Musco Group) (Saint Francois Mountains Intrusive Suite) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (K-70)
- STONY HILLS Formation (=Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- STORMONT Limestone Bed (Wamego Shale Member) (Zeandale Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (K-66)
- STOTLER Limestone (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (K-66)
- STOUTS CREEK Rhyolite (Van East Volcanic Suite) (Precambrian) (Missouri) (K-70)
- STOVALL Limestone Member (Winfield Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- STRANGE Formation (=McKenzie Hill Formation) (Arbuckle Group) (Lower Ordovician) (Oklahoma) (K-66)
- STRANGER Formation (Lansing-Douglas Groups) (Missourian-Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- STRATFORD Formation (=lower Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- STRAWN chert conglomerates (=Ouachita chert conglomerates) (Strawn-Wichita Groups) (Desmoinesian-Leonardian) (Pennsylvanian-Permian) (Texas)
- STRAWN Group (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- STRAWN Limestone (=Lecompton Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- STRIBLING Formation (Lower Devonian) (Texas) (K-66)
- STRICKLER Limestone Bed (Donegal Member) (Wellington Formation) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- STRINGTOWN Shale (=Womble Shale) (Middle Ordovician) (Oklahoma) (W-38; K-66)
- STRONG Flint (=Wreford Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- STRONG CITY Beds (=Morrill through Wreford units) (Council Grove-Chase Groups) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- STUART Shale (Cabaniss Subgroup) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- STUART Till (Pleistocene) (Washington) (K-66)
- STUART CITY Formation (Trinity-Fredericksburg Groups) (Lower Cretaceous) (Louisiana) (K-70)
- STULL Shale Member (Kanwaka Shale) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- STUMP ARROYO Member (Crooked Creek Formation) (Pleistocene) (Kansas) (W-38; K-66)
- STURGIS Formation (Pennsylvanian) (Kentucky) (L-81)
- STURGIS Moraine (Pleistocene) (Michigan) (W-38)
- STURGIS sand (=Cromwell sand) (Morrowan)(Pennsylvanian) (Oklahoma) (J-57)

- STURM Limestone Member (=Haskell Limestone ?) (Lawrence Formation) (Douglas Group) (Virgilian) (Pennsylvanian)(Kansas) (W-38; K-66)
- SUBCARBONIFEROUS or Lower Carboniferous System (330-365 m.y.) (=Mississippian System) (Paleozoic Era or Erathem) (Europe) (W-38)
- SUBCLARKSVILLE Formation (Eagle Ford Group) (Upper Cretaceous) (Texas)(W-38; K-66)
- SUE PEAKS Limestone (Lower Cretaceous) (Texas) (K-70)
- SUGAR CREEK Lentil (Cockfield Formation) (Eocene) (Louisiana) (K-70)
- SUGAR CREEK Shale (=Hushpuckney Shale Member) (Swope Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- SUITCASE sand (Wann through Barnsdall units) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38)
- SULLIVAN Formation (Cambrian) (Alberta) (Canada) (W-38)
- SULLIVAN Siltstone Member (Bonnetterre Dolomite) (Dresbachian) (Croixian) (Upper Cambrian) (Missouri) (L-81)
- SULLIVAN PEAK Member (Skinner Ranch Formation) (Leonardian) (Permian) (Texas) (K-70)
- SULPHUR RIVER Alluvial Terrace (Pleistocene) (Texas) (K-70)
- SULPHUR RIVER Formation (Pleistocene) (Texas) (K-70)
- SULPHUR SPRINGS Formation (Kinderhookian) (Mississippian) (Missouri) (W-38; K-66)
- SUMMIT coal bed (Little Osage Shale Member) (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas)
- SUMMIT coal member (Morgan School Shale) (Desmoinesian) (Pennsylvanian) (Iowa) (L-91)
- SUMMIT Conglomerate (Miocene-Pliocene) (Washington) (K-66)
- SUMMIT Gabbro (Mesozoic) (California) (K-66)
- SUMMIT Granite (Precambrian) (Colorado) (W-38)
- SUMMIT Limestone (=Mahoning Limestone) (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- SUMMIT Limestone (=Higginsville Limestone Member) (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- SUMMIT Series (=Allegheny Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- SUMMIT Series (=Beltian Series) (Precambrian) (British Columbia) (Canada) (W-38)
- SUMNER Group (Wellington and Garber units) (Leonardian or Cimarronian Series) (Permian) (Kansas) (W-38; K-66)
- SURBER sand (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian)(Oklahoma) (W-38; J-57)
- SUTHERLAND Metamorphic Suite (Carboniferous ?)(British Columbia) (Canada) (W-38)
- SUTHERLAND sand (below Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- SWAGGERT sand (=upper Tallant and Cheshewalla units) (Ochelata-Vamoosa Groups) (Missourian-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- SWALLOW Limestone (=Breezy Hill Limestone) (Wetumka Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38)
- SWALLOW Terrane (=Permian System) (Paleozoic Era or Erathem) (USA) (W-38)
- SWAN CREEK Limestone (Ordovician) (Tennessee) (W-38; K-66)

SWAN CREEK Phosphate (=Hardin Sandstone) (Devonian) (Tennessee) (W-38; K-66)
 SWAN CREEK Sandstone (=Shetlerville Sandstone) (Chesterian) (Mississippian) (Illinois) (W-38; K-66)
 SWAN CREEK zone (Cotter Dolomite) (Lower Ordovician) (Missouri) (K-70)
 SWASTIKA lime (Bunger Limestone) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
 SWASTIKA sand (below Gunsight Limestone) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
 SWASTIKA sand (below Ivan Limestone) (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
 SWEETWATER Dolomite (=Claytonville and Alibates units) (Doxey Shale) (Foss Group) (Ochoan) (Permian) (Texas) (W-38; K-66)
 SWEETWATER Formation (White River Group) (Oligocene) (Wyoming) (W-38; K-66)
 SWEETWATER Formation (Eocene) (California) (L-81)
 SWEETWATER Group (=White River Group) (Oligocene) (Wyoming) (W-38; K-66)
 SWEETWATER Oolite Lentil (Edwards Limestone) (Lower Cretaceous) (Texas) (K-70)
 SWENSON Gypsum Member (=Childress Dolomite) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
 SWENSON sand (=Sylamore Sandstone) (Upper Devonian) (Oklahoma) (W-38; J-57)
 SWOPE Limestone (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
 SYCAMORE Conglomerate (Pliocene) (California) (K-66)
 SYCAMORE Limestone (Osagean-Meramecian) (Mississippian) (Oklahoma) (W-38; J-57; K-66)
 SYCAMORE Sand Member (Travis Peak Formation) (Lower Cretaceous) (Texas) (W-38; K-66)
 SYCAMORE Sandstone (=Sycamore Creek Sandstone) (Devonian) (Arizona) (W-38; K-66)
 SYENODIORITE (Red River Terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
 SYKES sand (=Sikes sand) (Morrowan) (Oklahoma) (W-38; J-57)
 SYLAMORE Sandstone (Chattanooga Group) (Upper Devonian) (Missouri) (W-38; K-66)
 SYLVAN Intrusive Suite (Tertiary) (Wyoming) (W-38)
 SYLVAN Shale (Richmondian) (Cincinnatian) (Upper Ordovician) (Oklahoma) (W-38; K-66)

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TABLE CREEK Shale (=Willard, Zeandale, and Pillsbury units) (Wabaunsee Group) (Virgilian-Gearyan)(Pennsylvanian) (Kansas) (W-38; K-66)
 TABLE MOUNTAIN Andesite (Miocene) (California) (W-38; K-66)
 TABLE MOUNTAIN Formation (Paleocene) (Colorado) (K-66)
 TABLE MOUNTAIN Formation (Upper Cenozoic) (California) (W-38; K-66)
 TABLE MOUNTAIN Latite Member (Stanislaus Formation) (Miocene) (California) (K-66)
 TABLE MOUNTAIN Sandstone (=Duncan Sandstone) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
 TABOR Member (=Mount Tabor Shale Member ?) (Cook Mountain Formation) (Eocene) (Texas) (K-66)

- TACKET Shale Member (Coffeyville Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-70)
- TACKETT sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- TACONIAN Disturbance (Late Ordovician-Early Silurian) (New England) (W-38; K-66)
- TACONIAN Series (Lower Cambrian) (New England) (W-38)
- TACONIAN System (Precambrian-Silurian) (New England) (W-25; W-38; K-66)
- TACONIC Limestone (=Stockbridge Limestone) (Cambrian-Ordovician) (Vermont) (W-38; K-66)
- TACONIC Revolution (Early Cambrian-Late Ordovician) (New England) (W-38; K-66)
- TACONIC System (Cambrian-Silurian) (New England) (W-25; W-38; K-66)
- TAFT Granite (Jurassic) (California) (W-38; K-66)
- TAFT Sandstone Member (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TAHLEQUAH Member (Moorefield Formation) (Meramecian) (Mississippian) (Oklahoma) (K-66)
- TAHOKA Formation (Pleistocene) (Texas) (K-66)
- TALC (Cool Creek Serpentine) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- TALIHINA Chert (=Bigfork through Arkansas Novaculite) (Trentonian-Meramecian)(Ordovician-Mississippian) (Oklahoma) (W-38; K-66)
- TALIHINA chert conglomerates (reworked Bigfork-Arkansas Novaculite) (Devils Kitchen Conglomerate and Thurman Sandstone and higher units) (Cherokee-Deese-Strawn Groups and higher) (Desmoinesian-Leonardian) (Pennsylvanian-Permian) (Oklahoma; Texas)
- TALL CHIEF Member (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (L-81)
- TALLAHATTA Formation (Claiborne Group) (Eocene) (Mississippi) (W-38; K-66; S-81)
- TALLANT Formation (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)
- TALOGA Formation (=Whitehorse-Cloud Chief units) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- TALPA Member (Clyde Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- TAMAHA Sandstone Member (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TAMARISK Member (Rustler Formation) (Ochoan) (Permian) (New Mexico) (K-70)
- TANDY 5400-Foot sand (=Antelope Creek Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian)(Texas)
- TANEHA sand (=Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- TANNEHILL lime (Camp Creek Shale Member) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- TANNEHILL sand (below Stockwether Limestone) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)

- TANSILL Formation (=lower Alibates Dolomite) (Ochoan) (Permian) (Texas) (K-66)
- TANYARD Formation (Ellenburger Group) (Lower Ordovician) (Texas)(K-66)
- TARANTULA Formation (Cretaceous) (Texas) (K-66)
- TARANTULA Gravel (Tertiary) (Texas) (K-66)
- TARGET Limestone Member (Lake Ardmore Formation) (Springer Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66)
- TARKIO Limestone Member (Zeandale Limestone) (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- TARRANT Bed (Lewisville Member) (Woodbine Formation) (Upper Cretaceous) (Texas)(W-38; K-66)
- TASCOTAL Formation (Buck Hill Group) (Oligocene) (Texas) (K-66)
- TATARIAN Series (250-255 m.y.) (=Ochoan Series) (Upper Permian) (Russia)
- TATUMS sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- TAUM SAUK Rhyolite (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle Proterozoic) (Precambrian) (Missouri) (L-91)
- TAYLOR Formation (Mississippian) (California) (W-38; K-66)
- TAYLOR Group (Upper Cretaceous) (Texas) (W-38; K-66)
- TAYLOR sand (=Ozan Formation ?) (Oklahoma) (J-57)
- TAYLOR sand (Schuler Formation) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- TAYLOR Sandstone Member (Greene Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- TAYLOR Stage (=Taylor Group) (Upper Cretaceous) (Texas) (K-70)
- TAYLOR BRANCH Limestone Bed (Burlingame Limestone Member) (Bern Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- TAYLOR RANCH Member (Hess Limestone) (Leonardian) (Permian) (Texas) (K-70)
- TEBO coal bed (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- TEBO Formation (=below Tiawah Limestone to above Weir coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- TECOVAS Formation (Upper Triassic) (Texas) (W-38; K-66)
- TECUMSEH Sandstone Bed (Silver Reef Sandstone Member) (Chinle Formation) (Triassic) (Utah) (K-66)
- TECUMSEH Shale Member (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TEHUACANA Formation (=Kincaid Formation) (Paleocene) (Texas) (W-38; K-66)
- TEHUACANA Limestone Member (Kincaid Formation) (Paleocene) (Texas) (W-38; K-66)
- TEJAS System or sequence (upper Paleocene-Holocene) (Texas) (K-70)
- TELEPHONE CANYON Formation (Lower Cretaceous) (Texas) (K-70)
- TEMPLETON Member (Woodbine Formation) (Upper Cretaceous) (Oklahoma) (K-66)
- TENKILLER Formation (Lower Silurian) (Oklahoma) (K-70)
- TENMILE CREEK Dolomite (=Prout Limestone) (Traverse Group) (Middle Devonian) (Ohio) (K-66; S-81)

- TENMILE CREEK Formation (Stanley Group) (Meramecian-Chesterian) (Mississippian) (Oklahoma) (K-66; C-76)
- TENMILE CREEK siliceous shales (=Friendship, Albion Creek, Faith, and Battiest Chert Beds) (Tenmile Creek Formation) (Stanley Group) (Chesterian) (Mississippian) (Oklahoma) (K-66; C-76)
- TENNESSEE marble (=Holston Limestone) (Ordovician) (Tennessee) (W-38)
- TENNESSEE Sandstone (middle McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- TENNESSEAN Series (Mississippian) (Tennessee) (W-25; W-38; K-66)
- TENNISON CREEK Shale (=Tackett Shale Member) (Coffeyville Formation) (Pleasanton Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- TEPEE CREEK Member (Post Oak Conglomerate) (Hennessey Group) (Leonardian)(Permian) (Oklahoma) (K-66)
- TERLINGUA Group (Upper Cretaceous) (Texas) (W-38; K-66)
- TERRA BLANCA Formation (Pleistocene) (Texas) (W-38; K-66)
- TERRA COTTA Clay (Dakota Group) (Cretaceous) (Kansas) (K-66)
- TERRA COTTA Series (Ordovician-Devonian ?) (Alaska) (W-38; K-66)
- TERRACE deposits (Pleistocene-Holocene) (Arkansas; Oklahoma; Texas)
- TERRYVILLE Sandstone (Cotton Valley Group) (Upper Jurassic-Lower Cretaceous) (Louisiana) (K-70)
- TERTIARY System (2.8-67 m.y.) (Cenozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- TESNUS Formation (Meramecian-Morrowan) (Mississippian-Pennsylvanian) (Texas)(W-38; K-66)
- TESSEY Limestone (Ochoan) (Upper Permian) (Texas) (W-38; K-66)
- TETER conglomerate (Wewoka Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TEXAN System (=Llano Supersuite) (Precambrian) (Texas) (W-38; K-66)
- TEXANA Limestone (=Walnut Clay) (Lower Cretaceous) (Texas) (W-38)
- TEXHOMA sand (Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- TEXHOMA-GOSE sand (=Gose sand) (Necessity Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38)
- TEXHOMAN Series (=Pliocene Series) (Cenozoic Era or Erathem) (Oklahoma) (W-38; K-66)
- TEXIAN System (=Llano Supersuite) (Precambrian) (Texas) (W-38)
- TEXON sand (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38)
- THANETIAN Stage (55-62 m.y.) (Paleocene Series) (Europe)
- THATCHER Limestone Member (Graneros Shale) (Upper Cretaceous) (Colorado) (K-66)
- THATCHER CREEK Sandstone Member (=Roubidoux-Crystal Mountain units) (lower Cool Creek Formation) (Arbuckle Group) (Lower Ordovician) (Oklahoma) (L-91)
- THAYER coal bed (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)

- THAYER Shale (=Cherryvale, Drum, and Chanute units) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- THEODOSIA Formation (=Jefferson City-Cotter units in part) (Lower Ordovician) (Missouri) (K-66)
- THERRILL Clay Member (Weches Formation) (Claiborne Group) (Eocene) (Texas) (K-66)
- THETA Member (Malone Formation) (Jurassic) (Texas) (W-38)
- THIRD or 3rd lime (=Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- THIRD or 3rd BOOCK sand (Warner Sandstone Member) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- THIRD or 3rd CARPENTER sand (below Devils Kitchen Conglomerate)(Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- THIRD or 3rd DEESE sand (=Arnold Limestone and Calvin Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- THIRD or 3rd FRANCIS lime (Francis Shale) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- THIRD or 3rd HEWITT sand (above Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- THIRD or 3rd WILCOX sand (basal Tulip Creek Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma)
- THIRTEEN or 13 FINGER sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkoma Basin; Oklahoma)
- THIRTEEN or 13 FINGERS lime (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Anadarko Basin; Oklahoma) (J-57)
- THIRTEEN HUNDRED or 1300-FOOT sand (Wellington Formation) (Leonardian) (Permian) (Carter-Knox Field; Oklahoma)
- THIRTYONE Limestone (Lower Devonian) (Texas) (L-86)
- THOMAS bed 1 lignite (=DeLana lignite) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- THOMAS bed 2 lignite (=Breckenridge lignite) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- THOMAS bed 3 lignite (=Shaw lignite) (below Crinoidal lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- THOMAS bed 4 lignite (=Moore carbonaceous shale) (above upper Gregory lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- THOMAS bed 5 carbonaceous shale (below 1st Megargle sand) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- THOMAS bed 6 carbonaceous shale (=Hooper carbonaceous shale) (below 2nd Megargle sand) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- THOMAS Clay (=Anderson Underclay) (Conemaugh Group) (Pennsylvanian) (Maryland) (W-38; K-66)

- THOMAS coal bed (=Anderson coal bed) (Conemaugh Group) (Pennsylvanian) (Maryland) (W-38; K-66)
- THOMAS Limestone (Conemaugh Group) (Pennsylvanian) (Maryland) (W-38; K-66)
- THOMAS sand (above Thomas bed 1 lignite) (Cisco Group) (Virgilian) (Pennsylvanian) (North Duncan Field; Oklahoma) (W-38; J-57)
- THOMAS sand (above Megargel or Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Southwest Randlett Field; Oklahoma) (J-57)
- THOMAS sand (Topeka Limestone Member) (Pawhuska Formation) (Ada Group) Virgilian) (Pennsylvanian) (Thomas Field; Oklahoma) (W-38; J-57)
- THOMAS Sandstone (=Saltsburg Sandstone) (Conemaugh Group) (Pennsylvanian) (Maryland) (W-38; K-66)
- THOMPSON Dolomite Member (Bosworth Formation) (Cambrian) (Alberta) (Canada)(W-38)
- THOMPSON Limestone (Jurassic) (California) (W-38; K-66)
- THOMPSON sand (above Megargel or Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- THOMPSON Shale (Jurassic) (California) (W-38; K-66)
- THOMPSON Slate (=Thomson Slate) (Precambrian) (Minnesota) (W-38; K-66)
- THORP SPRINGS Limestone Member (Glen Rose Limestone) (Lower Cretaceous) (Texas) (W-38; K-66)
- THRALL Limestone Bed (Hughes Creek Shale Member) (Foraker Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- THRALL sand (altered serpentine plug) (Taylor Group) (Upper Cretaceous) (Texas) (W-38)
- THREADGILL Member (Tanyard Formation) (Ellenburger Group) (Lower Ordovician) (Texas) (K-66)
- THREEMILE Limestone Member (Wreford Limestone) (Chase Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- THRIFTY Formation (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- THUNDERBIRD Group or Rhyolite Porphyry (950 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (L-91)
- THURBER coal bed (above Goen Limestone) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- THURBER gas sand (Buck Creek Sandstone Bed) (Grindstone Creek Member) (Millsap Lake Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38)
- THURMAN Formation (Oligocene or Miocene) (New Mexico) (K-66)
- THURMAN Sandstone (upper Boggy-lower Senora units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TI VALLEY Series (=Lynn Mountain Formation) (Morrowan-Desmoinesian) (Pennsylvanian)(Oklahoma) (K-66)
- TIAWAH Limestone Member (Senora Formation) (Cherokee Group) (Desmoinesian)(Pennsylvanian) (Oklahoma) (W-38; K-66)
- TIFF Member (=Grindstone Creek Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (K-66)

- TIGER CREEK Sandstone (=Wann Formation; Washington Irving Sandstone and higher units) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TILLMAN Metasedimentary Suite or Group (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma) (K-70)
- TILLMAN sand lens (Davis oil and gas horizon) (Glen Rose Formation) (Lower Cretaceous) (Louisiana) (W-38)
- TIMBER BELT Beds (=Wilcox, Claiborne, and Jackson Groups) (Paleocene-Eocene) (Texas) (W-38; K-66)
- TIMBER CREEK Beds (Eocene) (New Jersey) (W-38; K-66)
- TIMBER CREEK Beds (=Lewisville Member) (Woodbine Formation) (Upper Cretaceous) (Texas) (W-38; K-66)
- TIMBER CREEK Group (=Woodbine Formation) (Upper Cretaceous) (Texas) (W-38; K-66)
- TIMBER HILL Siltstone Bed (Stoner Limestone Member) (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (L-81)
- TIMBER RIDGE sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- TIMBERED HILLS Group (=Reagan and Honey Creek units) (Franconian) (Croixian) (Upper Cambrian) (Oklahoma) (W-38; K-66)
- TIMISKAMIAN Series (Precambrian) (Great Lakes Region) (USA) (W-25; W-38)
- TINA Limestone Bed (Altamont Limestone Member) (Oologah Formation) (Marmaton Group) (Desmoinesian)(Pennsylvanian) (Oklahoma) (K-66)
- TINGUAITE dikes (Upper Cretaceous) (Arkansas)
- TIPPECANOE marine transgression (Ordovician) (Midcontinent) (USA)
- TISHOMINGO Granite (1,350 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma) (W-38; K-66)
- TITHONIAN Series (140-145 m.y.) (Upper Jurassic) (Europe)
- TOARCIAN Series (180-185 m.y.) (Lower Jurassic) (Europe)
- TOBORG sand (Cretaceous ?) (Texas) (W-38)
- TOBUCKSEY Sandstone Member (Hartshorne Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TODD sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- TOKIO Formation (Austin Group) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- TOKIO Sand (=Tokio Formation) (Upper Cretaceous) (Arkansas) (W-38)
- TOMLINSON Shale (=McAlester Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- TOMLINSON Stage (=McAlester-Savanna units) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- TOM MAYS PARK Formation (Thunderbird Group) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)(L-91)
- TOM SAUK Limestone Member (Bonnetterre Dolomite) (Upper Cambrian) (Missouri) (K-66)

TONGANOXIE Sandstone Member (=Cheshewalla Sandstone) (Stranger Formation) (Douglas Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

TONKAWA lime (=Bowring or Haskell units) (Lawrence Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

TONKAWA limes (=Birch Creek Limestone ?) (Ochelata Group) (Missourian)(Pennsylvanian) (Oklahoma) (W-38)

TONKAWA sand (=Cheshewalla Sandstone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

TONUCO Formation (Cambrian) (New Mexico) (K-70)

TOPEKA Limestone Member (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

TORCER Formation (Cretaceous) (Texas) (W-38; K-66)

TORDILLA Sandstone Bed (Dubose Clay Member) (Whitsett Formation) (Eocene) (Texas) (K-66)

TORNILLO Clay (Cretaceous-Eocene) (Texas) (W-38; K-66)

TORONTO lime (=Toronto and Leavenworth units) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)

TORONTO Limestone Member (Oread Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)

TORONTO Stage (Pleistocene) (Ontario) (Canada) (W-38)

TORPEDO Sandstone (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

TORTONIAN Stage (6.7-10.8 m.y.) (Miocene Series) (Europe)

TOULEY sand (=Tuley sand) (J-57)

TOURNASIAN Series (=Lower Mississippian) (Lower Carboniferous) (Europe)

TOWANDA Formation (Canadaway Group) (Devonian) (Pennsylvania) (W-38; K-66)

TOWANDA Limestone Member (Doyle Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

TOWLE Shale Member (Onaga Shale) (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)

TOWN MOUNTAIN Granite (1,000 m.y.) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66)

TOY Limestone Member (Gozar Gravel) (Quaternary) (Texas) (K-70)

TRACE CREEK Shale Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-70; C-76)

TRACEABLE THREE sands (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)

TRACHYTE (Trans-Pecos terrane) (Middle Cambrian) (Texas)

TRACHYTE (Upper Cretaceous) (Arkansas)

TRAP Member (Bell Canyon Formation) (Guadalupian) (Permian) (Texas) (L-91)

TRAVERTINE (Holocene) (Texas; Oklahoma)

TRAVESSER Formation (Dockum Group) (Upper Triassic) (New Mexico) (K-66)

TRAVESTER Shale (=Morrison Formation) (Jurassic) (New Mexico) (W-38; K-66)

TRAVIS PEAK Formation (Lower Cretaceous) (Texas) (W-38; K-66)

- TRAVIS PEAK Limestone Member (Travis Peak Formation) (Lower Cretaceous) (Texas) (W-38; K-66)
- TREES CITY sand (Tokio Formation) (Upper Cretaceous) (Arkansas) (K-70)
- TREMADOCIAN Series (490-500 m.y.) (Lower Ordovician) (Europe)
- TREMOLITE dikes (Coal Creek Serpentine) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- TREMPEALEAUAN Stage (Croixian Series) (Upper Cambrian) (Wisconsin) (W-38; K-66)
- TRENTON VIOLA lime (=Viola Springs Formation) (Viola Group) (Trentonian) (Ordovician) (Oklahoma) (J-57)
- TRENTONIAN Stage (Champlainian Series) (Middle Ordovician) (New York) (W-38; K-66)
- TRIASSIC System (200-250 m.y.) (Mesozoic Era or Erathem) (Europe) (W-25; W-38; L-86)
- TRICKHAM Shale (=Wayland Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- TRINITY Group (Lower Cretaceous) (Texas) (W-38; K-66)
- TRINITY Stage (Lower Cretaceous) (Texas) (K-70)
- TRIPLESIA ALATA bed (Cason Shale) (Alexandrian) (Lower Silurian) (Arkansas)
- TRITICITES lime (=Fusulinid lime; above Rocky Mound Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- TROCTOLITE (G zone) (Glen Mountains Layered Complex) (Precambrian ?) (Oklahoma)
- TROSPER sand (=Taft Sandstone and higher units) (Boggy-Senora Formations) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TROY Granite (1,350 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma) (W-38; K-66)
- TROY Member (Schodack Formation) (Cambrian) (New York) (W-38; K-66)
- TROY Quartzite (Precambrian) (Arizona) (W-38; K-66)
- TRUJILLO Formation (Dockum Group) (Upper Triassic) (Texas) (W-38; K-66)
- TRUJILLO Formation (=Trujillo Alto Limestone) (Cretaceous) (Puerto Rico) (W-38; K-66)
- TUBB sand (Garber Sandstone) (Leonardian) (Permian) (Oklahoma)
- TUCKER sand (Schuler Formation) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- TUCKER sand (=Bromide, Sylamore, Burgess, Warner, Bluejacket, and Taft sands) (Middle Ordovician) (Upper Devonian) (Desmoinesian; Middle Pennsylvanian) (Oklahoma) (W-38; J-57)
- TUCKMAR CISCO pay (Chaffin Limestone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- TUCKMAR NINETEEN HUNDRED or 1900 pay (above Gunsight Limestone) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- TUCKMAR SOUTH THIRTY-SEVEN HUNDRED or 3700 pay (=Santo Limestone) (Mingus Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- TUCUMCARI Shale (=Kiowa Formation) (Lower Cretaceous) (New Mexico) (W-38; K-66)
- TUGMAN sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- TULE Formation (Pleistocene) (Texas) (W-38; K-66)

- TULE MOUNTAIN Trachyandesite Member (Chisos Formation) (Tertiary) (Texas) (K-66)
- TULETA sand (Yegua Formation) (Eocene) (Texas) (W-38)
- TULEY sand zone (above Crinerville Limestone) (Hoxbar Group) (Missourian)(Pennsylvanian) (Oklahoma) (J-57)
- TULIP CREEK Formation (Simpson Group) (Whiterockian) (Middle Ordovician) (Oklahoma) (W-38; K-66)
- TULSA coal bed (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- TULSA Group (=Calvin through middle Holdenville units) (Cherokee-Marmaton Groups)(Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TULSA Sandstone Member (upper Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- TURK sand (Heebner Shale Bed) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- TURKEY CREEK Beds (Yegua Formation)(Eocene)(Texas)(W-38; K-66)
- TURKEY CREEK LIMESTONE (Lower Devonian) (Oklahoma)
- TURKEY CREEK Sandstone Bed (Keechi Creek Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- TURKEY MOUNTAIN Andesite (Quaternary) (New Mexico) (K-66)
- TURKEY MOUNTAIN Flows (Chico Phonolite) (Quaternary) (New Mexico) (K-66)
- TURKEY MOUNTAIN lime (West Spring Creek Formation) (Arbuckle Group) (Lower Ordovician) (Oklahoma) (W-38; J-57)
- TURKEY MOUNTAIN Member (Hoosac Formation) (Cambrian or Ordovician) (Vermont) (K-66)
- TURKEY MOUNTAIN sand (=Oil Creek sandstone) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (W-38)
- TURKEY RUN Limestone Bed (=Coal Creek Limestone Bed) (Topeka Limestone Member) (Pawhuska Formation) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- TURMAN sand (Tyner Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma) (J-57)
- TURNER CREEK Formation (Miocene) (California) (K-70)
- TURNER CREEK Shale Member (Topeka Limestone) (Shawnee Group) (Virgilian)(Pennsylvanian) (Oklahoma) (W-38; K-66)
- TURONIAN Series (90-92 m.y.) (Upper Cretaceous) (Europe)
- TUSCAHOMA Formation or Sand (Wilcox Group) (Paleocene) (Mississippi) (W-38; K-66; S-81)
- TUSCAHOMA Marl (Paleocene) (Mississippi) (W-38; K-66)
- TUSCALOOSA Formation (Upper Cretaceous) (Arkansas) (W-38; K-66; C-76)
- TUSCUMBIA Limestone (Meramecian) (Mississippian) (Mississippi) (W-38; K-66; S-81)
- TUSKAHOMA Shale Member (=Albion Creek Chert Member) (Tenmile Creek Formation) (Stanley Group) (Chesterian) (Mississippian) (Oklahoma) (K-66)

- TUSSY lime (=Hart lime; above Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TUSSY sand 1 (below Arnold Limestone) (Deese Group)(Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TUSSY sand 2 (upper Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TUSSY sand 3 (middle Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TUSSY sand 4 (below Morris Ranch Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TUSSY sand 5 (below Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TUSSY zone 6 (above Pumpkin Creek Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- TUTTLE Sandstone Bed (Manning Clay Member) (McElroy Formation) (Eocene) (Texas) (K-66)
- TWENTY-THREE HUNDRED or 2300-FOOT sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Carter-Knox Field; Oklahoma)
- TWIN lime (Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- TWIN lime (Winchell Limestone Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
- TWIN lime zone (below Daube coal) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- TWIN MOUNDS Lentil (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian)(Oklahoma)
- TWIN MOUNTAINS Formation (Lower Cretaceous) (Texas) (K-70)
- TWIN MOUNTAINS Rhyolite (Oligocene) (Colorado) (L-81)
- TWIN PEAKS sand (=Rochelle Conglomerate) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- TWO MILE Member (=Spiller Sand Member) (Cook Mountain Formation) (Eocene) (Texas) (K-66)
- TWOMILE Limestone (Conemaugh Group) (Pennsylvanian) (West Virginia) (W-38; K-66)
- TYE Formation (=Vale Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- TYE Granite (Jurassic) (Washington) (W-38; K-66)
- TYLER Beds (Monongahela Formation) (Pennsylvanian) (Ohio) (W-38; K-66)
- TYLER Formation (=Heath and Cameron Creek units, in part) (Pennsylvanian) (Montana) (W-38; K-66)
- TYLER Greensand Member (Sparta Sand) (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- TYLER Slate (Baraga Group) (Precambrian) (Wisconsin) (W-38; K-66)
- TYNER Formation (=McLish-Mountain Lake units) (Simpson Group) (Whiterockian-Blackriveran) (Middle Ordovician) (Oklahoma) (W-38; K-66)

TYRO Oolite Bed (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)

TYUS Marl Member (Weches Formation) (Claiborne Group) (Eocene) (Texas) (K-66)

U

U sand (=Devils Kitchen Conglomerate) (basal Maroon Strawn beds) (Deese Group) (Desmoinesian) (Pennsylvanian) (Texas)

U series (3400-3800 m.y.) (Lower Archean or Archeozoic System) (Precambrian Era) (USA) (L-86)

UDALL Limestone Lentil (Wellington Formation) (Leonardian) (Permian) (Kansas) (K-66)

ULSTERIAN Series (390-405 m.y.) (Lower Devonian) (New York) (W-38; K-66)

ULTIMA THULE Gravel Member (Holly Creek Formation) (Trinity Group) (Lower Cretaceous) (Arkansas) (W-38; K-66)

UNCAS Shale (=Enterprise Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

UNCONFORMITY sand (=Bluejacket Sandstone) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

UNCONFORMITY sand (=Burgess sand) (McAlester sands mostly) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

UNDERWOOD Lava (=Underwood Mountain Lava) (Pleiocene) (Washington) (W-38; K-66)

UNDERWOOD sand (=Morris Ranch Sandstone) (Maroon Strawn beds) (Deese Group) (Desmoinesian) (Pennsylvanian) (Texas)

UNDERWOOD Shale Member (New Albany Shale) (Kinderhookian) (Mississippian) (Indiana) (K-66)

UNION DAIRY Limestone (=Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

UNION STATION Shale (=Chanute Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (K-66)

UNION VALLEY Formation (upper=Union Valley Limestone; lower=Cromwell-Jefferson sands) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66; C-76)

UNION VALLEY Limestone (=upper Union Valley Formation) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66; C-76)

UNION VALLEY Sandstone (=lower Union Valley Formation, or Cromwell-Jefferson sands) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66; C-76)

UNIONTOWN coal bed (Uniontown Member) (Monongahela Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)

UNIONTOWN cyclothem (=lower Uniontown beds, and Uniontown Red Bed, Limestone, Underclay, coal, and Shale, below Uniontown Sandstone) (Monongahela Formation) (Pennsylvanian) (Ohio) (K-66)

UNIONTOWN Limestone (=Critzler Limestone Member) (Hertha Limestone) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

- UNIONTOWN Limestone Bed (Uniontown Member) (Monongahela Formation) (Pennsylvanian) (W-38; K-66)
- UNIONTOWN Member (includes Uniontown Limestone, coal, and Sandstone) (Monongahela Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- UNIONTOWN Red Bed (below Uniontown Limestone) (Monongahela Formation) (Pennsylvanian) (Ohio) (K-66)
- UNIONTOWN Sandstone Bed (Uniontown Member) (Monongahela Formation) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- UNIONTOWN shale Member (above Uniontown coal) (Monongahela Formation) (Pennsylvanian) (Ohio) (K-66)
- UNIONTOWN Underclay Member (below Uniontown coal) (Monongahela Formation) (Pennsylvanian) (Ohio) (K-66)
- UNIT A (quartz feldspar gneiss) (Valley Spring Gneissic Suite) (Llano Supersuite) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- UNIT B (quartz feldspar biotite gneiss) (Valley Spring Gneissic Suite) (Llano Supersuite) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- UNIT C (Leptite-quartz feldspar gneiss) (Valley Spring Gneissic Suite) (Llano Supersuite) (Y Series) (Middle Proterozoic) (Precambrian) (Texas)
- UNIVERSITY MESA Marl (Fredericksburg Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- UPHAM Dolomite Member (Second Value Dolomite) (Montoya Group) (Whiterockian-Trentonian) (Middle Ordovician) (Texas) (K-66)
- UPPER anhydrite bed (=Milan Limestone) (Wellington Formation) (Leonardian) (Permian) (Oklahoma)
- UPPER Cap rock (Segovia Formation) (Upper Cretaceous) (Texas)
- UPPER Fusulina sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER Fusulina zone (below Camp Ground Sandstone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER Nodular lime (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- UPPER Oolitic lime (=Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- UPPER part (lower Fusulina sand) (above Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER ALMA sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- UPPER ARBUCKLE Group (Butterly-West Spring Creek) (Lower Ordovician) (Oklahoma)
- UPPER AVANT lime (Keystone Dam Limestone Member) (Iola Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER BAYOU sand (=Healdton sand) (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER BOOTH sand (above Marlow lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)

- UPPER BROMIDE sand (Mountain Lake Member) (upper basal sand) (Bromide Formation) (Simpson Group) (Whiterockian) (Ordovician) (Oklahoma)
- UPPER CAPPS lime (=Capps Limestone Bed) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- UPPER CARBONIFEROUS Series (275-330 m.y.) (=Pennsylvanian System) (Paleozoic Era or Erathem) (Europe) (W-25; W-38)
- UPPER CHELSEA Sandstone (=Goldenrod Sandstone) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER CIMARRON salt member (Hennessey Group) (Leonardian) (Permian) (Oklahoma)
- UPPER CLEVELAND sand (=Hepler Sandstone Member) (Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER COOK sand (Obregon Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- UPPER COOPER sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER COUNTY LINE lime (=Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER CROSS TIMBER sands (Trinity Group) (Lower Cretaceous) (Texas) (W-38)
- UPPER CROSS TIMBERS Formation (Lower Cretaceous) (Texas) (W-38)
- UPPER DOUGLAS sand (=Wynona Sandstone Lentil) (Vamoosa Group)(Virgiliain) (Pennsylvanian) (Oklahoma)
- UPPER DOYLE lime (=Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER ELGIN Sandstone Lentil (Kanwaka Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER ESKOTA Gypsum (=Emanuel Bed) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas)
- UPPER FLOWERPOT salt member (Flowerpot Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)
- UPPER FRANKS Conglomerate (Marmaton-Vamoosa Groups) (Desmoinesian-lower Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER FRYE sand (=Ricker Sandstone) (East Mountain Shale Member) (Mineral Wells Formation) (Desmoinesian) (Pennsylvanian) (Texas)
- UPPER GARBER sand (Auburn Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER GARVIN beds (Garber Sandstone) (Leonardian) (Permian) (Oklahoma)
- UPPER GIBSON sand (=Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER GRAY STRAWN shale (below lake Pinto Sandstone) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- UPPER GREGORY lime (above Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER GRIFFIN sand (=Lester Limestone) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

- UPPER HART sand (above Hart lime) (above Verdigris Limestone) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER HARTSHORNE coal bed (Hartshorne Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER HARTSHORNE Sandstone member (Hartshorne Formation) (Cherokee Group) (Desmoinesian)(Pennsylvanian) (Oklahoma)
- UPPER HOOVER sand (Kanwaka Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER HOPE sand (above Quinn Clay Bed) (Parks Mountain Sandstone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- UPPER KATZ sand (=Rochelle Conglomerate) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- UPPER KISTLER sand (below Natsy Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER K.M.A. sand (above Ricker Station Limestone) (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- UPPER LAYTON sand (below Daube coal) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER LAYTON sand (=Cottage Grove Sandstone) (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER LITTLE RIVER Limestone (=Goodland and Kiamichi units) (Lower Cretaceous) (Arkansas) (W-38; K-66)
- UPPER LOCO lime (=Ranger Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER LOVELL lime (=Leavenworth Limestone) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER MORROW sands (Pennsylvanian) (Wichita-Amarillo terrane) (Oklahoma; Texas)
- UPPER ORDOVICIAN Series (=Cincinnatian Series) (Ordovician System) (Europe) (W-25; W-38)
- UPPER OREAD lime (=Plattsmouth Limestone) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER OSWEGO lime (=Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER PALACINE shale (below Confederate coal) (above Autry coal) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER PANDEM THOMAS sand (above Fusulinid lime) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER PONCA sand (Kanwaka Shale) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER RED FORK sand (below Tebo coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

- UPPER SALESVILLE Shale (above Lake Pinto Sandstone) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- UPPER SEMINOLE sand member (below DeNay Limestone) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER SEMINOLE shale member (below upper Seminole sand) (Seminole Formation) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER SHELL CREEK sand (=Cottage Grove Sandstone Member) (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER SHOLOM ALECHEM lime (=Daube Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma)
- UPPER SHOLOM ALECHEM sand (=Rocky Point Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER SILURIAN System (=Silurian System) (405-425 m.y.) (Paleozoic Era or Erathem) (Europe) (W-25; W-38)
- UPPER SKINNER sand (above and below Henryetta coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- UPPER SLEDGE conglomerate (between Pumpkin Creek and Devils Kitchen units) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER TAFT sand (below Tebo coal) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER TANNEHILL sand (below Stockwether Limestone) (Pueblo Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- UPPER TORONTO lime (=Leavenworth Limestone) (Oread Limestone) (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- UPPER TUSSY sand (below Arnold Limestone) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER TUSSY sand 5 (=Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER VAN VACTER Gypsum (=Haskew Gypsum) (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)
- UPPER WESTHEIMER beds (above Bostwick Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER WEWOKA Formation (=Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER WEWOKA lime (=Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPPER WITTEVILLE coal bed (=Secor or Bluejacket coal) (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- UPSON Clay (Cretaceous) (Texas) (W-38; K-66)
- URBENO Formation (=Weches Formation) (Eocene) (Texas) (K-70)
- UTOPIA Limestone Member (Howard Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- UVALDE Gravel (Pliocene) (Texas) (W-38; K-66)

UVALDE Phonolite (Eocene ?) (Texas) (W-38; K-66)

V

V sand (below Sadler or Pumpkin Creek units) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)

V Series (3,000-3,400 m.y.) (Archean or Archeozoic System) (Precambrian Era or Erathem) (USA) (L-86)

VACA TRISTE Sandstone Member (Salado Formation) (Ochoan) (Permian) (Texas) (K-66)

VAL VERDE Tonalite (=Bonsall Tonalite) (Cretaceous) (California) (K-66)

VALANGINIAN Series (130-135 m.y.) (Lower Cretaceous) (Europe)

VALE Formation (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

VALENTINE Dolomite Member (Sultan Limestone) (Devonian) (Nevada) (W-38; K-66)

VALENTINE Member (Curtin Formation) (Ordovician) (Pennsylvania) (W-38; K-66)

VALENTINE Member (Ogallala Formation) (Pliocene) (Nebraska) (W-38; K-66)

VALENTINIAN Age (Early Pliocene) (Nebraska)(K-70)

VALERA Shale Member (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)

VALLE GRANDE Member (Valles Rhyolite) (Pleistocene) (New Mexico) (L-81)

VALLES Rhyolite (Tewa Group) (Pleistocene) (New Mexico) (K-70)

VALLEY SPRING Gneissic Suite or Group (Llano Supersuite)(Y Series) (Middle Proterozoic) (Precambrian) (Texas) (W-38; K-66; S-81)

VALVERDE Flags (=Eagle Ford Group) (Upper Cretaceous) (Texas) (W-38; K-66)

VAMOOSA Group (=Tonganoxie-Kanwaka units) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

VAN BUREN Dolomite Member (Gasconade Dolomite) (Lower Ordovician) (Missouri) (W-38; K-66)

VAN BUREN Till (Pleistocene) (Maine) (L-91)

VAN EAST Volcanic Suite (Precambrian) (Missouri) (K-70)

VAN HORN Formation (Pleistocene) (Alaska) (K-70)

VAN HORN Sandstone (Trans-Pecos terrane) (Lower Cambrian) (Texas) (W-38; K-66)

VAN VACTER Gypsum Member (Blaine-Dog Creek units) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-66)

VAN VLECK sands (Oligocene) (Texas) (K-66)

VANHEM Formation (Pleistocene-Holocene) (Oklahoma) (Texas) (K-66)

VANN Quartzite (Precambrian) (North Carolina) (K-66)

VANN sand (Hughes Creek Shale Member) (Foraker Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)

VANOSS Group (Reading Limestone through Salem Point Limestone) (Virgilian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)

VAUGHN Member (Blackleaf Formation) (Cretaceous) (Montana) (K-66)

VAUGHN sand (Vaughn Tongue) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)

- VAUGHN Tongue (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- VEALE sand (Comyn Member) (basal Marble Falls Formation) (Bend Group) (Morrowan) (Pennsylvanian) (Texas) (W-38)
- VELENO Member (Cook Mountain Formation) (Eocene) (Texas) (K-66)
- VELMA sand (=Rod Club Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- VENTERAN Stage (=Krebs Subgroup) (Cherokee Group) (Desmoinesian)(Pennsylvanian) (Missouri) (K-66)
- VENTIONER Beds (=Winchell Limestone and Placid Shale) (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)(W-38; K-66; S-81)
- VERDEN Sandstone Lentil (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- VERDIGRIS Limestone Member (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57; K-66)
- VERDIGRIS sand (=Goldenrod Sandstone Member) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- VERDIGRIS Sandstone Member (Foremost Formation) (Cretaceous) (Alberta) (Canada) (W-38)
- VERNON Gneiss (=Dry Hill Granite Gneiss and Poplar Mountain Gneiss) (Middle Paleozoic) (Vermont) (W-38; K-66)
- VERNON Limestone (Devonian) (Vermont) (W-38; K-66)
- VERNON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas)
- VERNON Shale (Salina Group) (Silurian) (New York) (W-38; K-66)
- VERTZ sand (Harveyville Shale Member) (Emporia Limestone) (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (J-57)
- VICARYA beds (Glen Rose Formation) (Lower Cretaceous) (Texas) (W-38)
- VICKSBURG Group (Oligocene) (Texas) (Mississippi) (W-38; K-66)
- VICKSBURG Loam (Holocene) (Mississippi) (W-38; K-66)
- VICKSBURG Stage (Oligocene) (Mississippi) (K-66)
- VICTORIA Amygdaloid (=Forest Amygdaloid) (Precambrian) (Michigan) (W-38; K-66)
- VICTORIA Flow (=Forest Flow) (Precambrian) (Michigan) (W-38; K-66)
- VICTORIA Formation (Devonian) (Utah) (W-38; K-66)
- VICTORIA Formation (=Blue Hill Shale Member) (Carlile Shale) (Upper Cretaceous) (Kansas) (W-38; K-66)
- VICTORIA Limestone (Ordovician) (Tamaulipas State) (Mexico)
- VICTORIA Limestone (Cretaceous) (Mexico) (W-38)
- VICTORIA lode (Forest Amygdaloid) (Precambrian) (Michigan)(W-38)
- VICTORIA Sandstone (Cretaceous) (Alberta) (Canada) (W-38)
- VICTORIA Series (Devonian or Mississippian) (Canada) (W-38)
- VICTORIO Formation (El Paso Group) (Lower Ordovician) (Texas) (K-70)
- VICTORIO HILLS Formation (=Victorio Formation) (L-81)
- VICTORIO PEAK Limestone Member (Leonard Formation) (Leonardian) (Permian) (Texas) (W-38; K-66)

- VICTORY JUNCTION Shale Member (=Rock Lake Shale) (Stanton Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- VIDRIO Limestone Member (Word Formation) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- VIEJA Group (Eocene; Oligocene) (Texas) (W-38; K-66)
- VIERSEN dolomite (Collier Formation) (Upper Cambrian ?) (Oklahoma)
- VIESCA Glauconite Member (Weches Formation) (Claiborne Group) (Eocene) (Texas) (K-66)
- VILAS Shale (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- VILLA NUEVA Sandstone (Eocene) (Texas) (W-38; K-66)
- VILLAGE BEND Limestone Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-38; K-66)
- VINITA Formation (=Cherokee Group below Breezy Hill Limestone) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- VINITA Formation (Newark Group) (Triassic) (Virginia) (W-38; K-66)
- VINLAND Shale (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- VINSON Chalk (Austin Group) (Upper Cretaceous) (Texas) (K-70)
- VIOLA Group (Trentonian-Edenian) (Ordovician) (Oklahoma) (W-38; J-57; K-66; L-91)
- VIOLA lime (=Viola Group) (=Fernvale Viola or Welling above Trenton Viola or Viola Springs Formation) (Ordovician) (Oklahoma)
- VIOLA SPRINGS Formation (=Trenton Viola) (lower Viola Group) (Trentonian) (Ordovician) (Oklahoma) (L-91)
- VIRGILIAN Series (295-300 m.y. ?) (Tonganoxie Sandstone through Auburn Shale or Brownville Limestone, depending upon definitions) (Pennsylvanian System) (Kansas) (Oklahoma) (W-38; J-57; K-66)
- WISEAN Series (Lower Carboniferous System) (=Middle Mississippian System) (Europe)
- VOLA Limestone (=Buda Limestone) (Upper Cretaceous) (Texas) (W-38)
- VOLENTINE sand (Schuler Formation) (Cotton Valley Group) (Upper Jurassic) (Louisiana) (K-70)
- VOSS Shale Member (Belle Plains Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (K-66)
- VOWELL sand (Atoka Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)

W

- W sand (=Davis sand) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- W Series (2,500-3,000 m.y.) (Archean or Archeozoic System) (Precambrian Era or Erathem) (USA) (C-76; S-78; L-81; L-86)
- WABAUNSEE Group) (Nodaway unit above Topeka Limestone through Brownville Limestone) (Virgilian-lower Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- WADDELL Sandstone (Simpson Group) (Middle Ordovician) (Texas) (K-66)
- WADE sand (below Anadarche Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- WADE zone (upper West spring Creek Formation) (Arbuckle Group) (Lower Ordovician) (Oklahoma)

- WAFER Shale (=Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38)
- WAGGONER RANCH Formation (Wichita Group) (Leonardian) (Permian) (Texas)
- WAGON YARD Gypsum Member (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- WAHS CREEK Shale Member (=Watts Creek Shale Member) (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- WAINWRIGHT sand (Atoka Formation ?) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- WAKARUSA Limestone Member (Bern Limestone) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WALDRIP Division (=Cisco Group) (Virgilian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- WALDRIP lime 1 (Belknap Limestone Bed) (Obregon Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- WALDRIP lime 2 (above Obregon Member) (Harpersville Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- WALDRIP lime 3 (above Waldrip lime 2) (Harpersville Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- WALDRIP Limestone Member (Harperville Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian) (Texas) (W-38; K-66)
- WALDRIP Member or Shale (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- WALKER Andesite Breccia (Sierra Blanca Volcanics) (Oligocene) (New Mexico) (L-81; S-81)
- WALKER Beds (=Cheyenne and Kiowa units) (Lower Cretaceous) (Kansas) (W-38; K-66)
- WALKER Conglomerate (above Verdigris Limestone) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- WALKER Formation (Eocene, Oligocene, or Miocene) (California) (W-38; K-66; S-81)
- WALKER lime (=Red Eagle Limestone) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma)
- WALKER sand (=Sand Creek Formation) (above Red Eagle; below Hotson units) (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- WALKER sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- WALKER Shale (Upper Devonian) (Virginia) (W-38; K-66)
- WALLACE Formation (Precambrian) (Idaho) (W-38; K-66)
- WALLACE sand (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- WALLACE Shale (=Pierre Shale) (Upper Cretaceous) (Kansas) (K-66)
- WALLACE Slate (Cambrian) (Vermont) (K-70)
- WALLACE CREEK Formation (Ordovician) (Vermont) (W-38; K-66)
- WALLACE CREEK Shale Member (Marcella Formation) (Chesterian) (Mississippian) (Arkansas) (L-86)
- WALLACE CREEK Tongue (Cody Shale) (Cretaceous) (Wyoming) (K-70)

- WALLS FERRY Limestone Bed (Saint Joe Group) (Kinderhookian) (Mississippian) (Arkansas) (K-70; S-77)
- WALNUT Clay or Formation (Lower Cretaceous) (Texas) (W-38; K-66)
- WALNUT Shale (=Nowata and lower Holdenville units) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WALTER JOHNSON Sandstone Member (Nowata Shale) (=lower Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- WAMEGO Shale Member (Zeandale Limestone) (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (K-66)
- WANETTE Division (=Lyonian Series) (Pennsylvanian-Lower Permian ?) (Oklahoma) (K-66)
- WANETTE sand (Lagonda Sandstone Member) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- WANN Formation (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WAPANUCKA Formation (=Limestone Gap Shale and overlying Wapanucka Limestone) (Morrowan) (Pennsylvanian) (Oklahoma) (J-57)
- WAPANUCKA Limestone (=Kessler Limestone) (Morrowan) (Pennsylvanian) (Oklahoma) (W-38; K-66; C-76)
- WAPANUCKA Shale (=Limestone Gap Shale) (below Wapanucka Limestone) (Morrowan) (Pennsylvanian) (Oklahoma)
- WARD Gypsum (=Eskota Gypsum Member) (Marlow Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)
- WARD Limestone Member (Cannon Limestone) (Ordovician) (Tennessee) (W-38; K-66)
- WARDEN lime (Vanoss Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- WARNER Basalt (Pliocene) (California) (W-38; K-66)
- WARNER coal bed (below Warner Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WARNER Formation (Silurian) (New Hampshire) (L-91)
- WARNER Sandstone Member (=Little Cabin Sandstone) (McAlester Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WARREN RANCH Conglomerate (Dornick Hills-Deese Groups) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- WARRENSBURG Group (=Cabaniss Subgroup) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (W-38; K-66)
- WARRENSBURG Sandstone (below Lenapah to Fort Scott units) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Missouri)
- WARSAW Formation (Meramecian) (Mississippian) (Illinois) (W-38; K-66)
- WASHBURN Beds (Chequamegon Sandstone) (Precambrian) (Wisconsin) (W-38; K-6)
- WASHBURN Group (Eocene) (Wyoming) (L-81)
- WASHBURN Sandstone (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- WASHINGTON Ash (Holocene) (Washington) (K-70)

- WASHINGTON coal bed (Washington Formation) (Dunkard Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- WASHINGTON cyclothem (Pennsylvanian) (West Virginia) (K-66)
- WASHINGTON Fire Clay Member (below Washington coal) (Washington Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- WASHINGTON Formation (Dunkard Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- WASHINGTON Gneiss (Precambrian) (Massachusetts) (W-38; K-66)
- WASHINGTON Greensand (=Nacatoch Sand) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- WASHINGTON Limestone (=Waits River Limestone) (Ordovician) (Vermont) (W-38; K-66)
- WASHINGTON limestone members (lower, middle, upper) (Washington Formation) (Dunkard Group) (Pennsylvanian) (Pennsylvania) (W-38)
- WASHINGTON phase (Waits River Limestone) (Ordovician)(Vermont) (W-38)
- WASHINGTON Quartzite (Silurian) (Maine) (K-70)
- WASHINGTON Reds (=Birmingham Shale) (Conemaugh Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- WASHINGTON roof shale (above Washington coal) (Washington cyclothem) (Pennsylvanian) (Ohio) (K-66)
- WASHINGTON sandstone member (Washington Formation) (Dunkard Group) (Pennsylvanian) (Pennsylvania) (W-38; K-66)
- WASHINGTON Shale and Sandstone (=Hale Formation) (Morrowan) (Pennsylvanian) (Arkansas) (W-38; K-66)
- WASHINGTON COUNTY Group (=Washington Formation) (Dunkard Group) (Pennsylvanian) (Pennsylvania) (W-38)
- WASHINGTON COUNTY Volcanic Group (1,180-1,300 m.y.) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
- WASHINGTON IRVING Sandstone Member (Wann Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (K-66)
- WASHITA Group (Comanchean Series) (Lower to Upper Cretaceous) (Oklahoma) (W-38; K-66)
- WASHITA Limestone (=Duck Creek-Fort Worth units) (Lower Cretaceous) (Oklahoma) (W-38; K-66)
- WASHITA Stage (Comanchean Series) (Cretaceous System) (Oklahoma) (K-70)
- WASHITA stone (meant Ouachita stone) (=Arkansas Novaculite) (Silurian-Mississippian) (Arkansas) (W-38)
- WASP SPRING Flow (South Rim Formation) (Oligocene) (Texas)(K-70)
- WATCHORN formation (=Salem, Saint Louis, Sainte Genevieve Limestones) (Meramecian) (Mississippian) (Kansas) (K-66)
- WATCHORN sand (Cottage Grove Sandstone Member) (Chanute Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- WATHENA Shale Member (Lawrence Formation) (Douglas Group) (Virgilian) (Pennsylvanian) (Kansas) (K-70)
- WATONGA Dolomite Bed (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma) (K-70)

- WATTS CREEK Shale Member (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian) (Texas) (W-38; K-66)
- WAUCOBAN Series (540-570 m.y.) (Lower Cambrian System) (Paleozoic Era or Erathem) (California) (W-25; W-38; K-66)
- WAVERLYAN Series (Mississippian) (Ohio) (W-25; W-38; K-66)
- WAYLAND Shale Member (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- WAYNE Deposits (Pleistocene) (Great Lakes Region) (USA) (W-38)
- WAYNE Group (Middle Silurian) (Tennessee) (W-38; K-66)
- WAYNE sand (=Goldenrod Sandstone) (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WAYSIDE sand (lower Holdenville Formation) (Nowata Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- WAYSIDE Sandstone Member (Caseyville Formation) (Pennsylvanian) (Illinois) (W-38; K-66)
- WEA Shale Member (Cherryvale Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WEATHERFORD Dolomite Bed (Rush Springs Sandstone) (Whitehorse Group)(Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- WEATHERFORD lime rock (Goodland to Main Street units) (Cretaceous) (Texas) (W-38)
- WEBB Formation (Lower Mississippian) (Nevada) (L-81; S-81)
- WEBB sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WEBB BLUFF Formation (Littig Member ?) (Kincaid Formation) (Eocene) (Texas) (W-38; K-66)
- WEBB CREEK Shale (Moran Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas)
- WEBBERS FALLS Sandstone Member (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WEBBERVILLE Beds (=Navarro Group) (Upper Cretaceous) (Texas) (W-38; K-66)
- WEBSTER Formation (=Pooleville Member) (Bromide Formation) (Simpson Group) (Blackriveran) (Middle Ordovician) (Oklahoma) (W-38; K-66)
- WEBSTER Group (=Sallisaw-Penters units ?) (Lower Devonian) (Missouri) (W-38; K-66)
- WEBSTER sand (Cook Mountain Formation) (Eocene) (Texas) (W-38)
- WECHES Formation (Claiborne Group) (Eocene) (Texas) (W-38; K-66)
- WEDIN Limestone Member (Cathedral Mountain Formation) (Leonardian) (Permian) (Texas) (K-70)
- WEDINGTON Sandstone Member (Fayetteville Shale) (Chesterian) (Mississippian) (Arkansas) (W-38; K-66)
- WEIR Formation (=lower Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (K-66)
- WEIR sand (New Providence Formation) (Mississippian) (Kentucky)(W-38)
- WEIR sand (Devonian or Mississippian) (West Virginia) (W-38)

- WEIR sand (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- WEIR sand pay (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- WEIR-PITTSBURGH coal bed (Senora Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WEISER sand (=Bandera Quarry Sandstone Bed) (Bandera Shale Member) (Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- WEISNER Quartzite (Waucoban) (Lower Cambrian) (Mississippi) (W-38; K-66; S-81)
- WEISS sand (Yegua Formation) (Eocene) (Texas) (W-38)
- WELDEN Limestone (Osagean) (Mississippian) (Oklahoma) (W-38; K-66)
- WELDEN sand (Below Bunger Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma)
- WELGE Sandstone Member (Wilberns Formation) (Moore Hollow Group) (Franconian) (Croixian) (Upper Cambrian) (Texas) (K-66)
- WELLBORN Sandstone (Jackson Group) (Eocene) (Texas) (W-38; K-66)
- WELLING Formation (=Fernvale Viola lime) (Viola Group) (Edenian) (Cincinnatian) (Upper Ordovician) (Oklahoma) (L-86)
- WELLINGTON anhydride (=Hollenberg-Milan units) (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (J-57)
- WELLINGTON Formation (Sumner Group) (Leonardian) (Permian) (Kansas) (W-38; K-66)
- WELLINGTON marble (Donegal Member) (Wellington Formation) (Leonardian) (Permian) (Kansas) (W-38)
- WENLOCKIAN Series (Middle Silurian) (Europe)
- WENO Formation or WENO Shale Member (Bokchito Formation) (Washita Group) (Lower Cretaceous) (Texas) (W-38; K-66)
- WENO Subgroup (=Weno, Quarry, and Pawpaw units) (Lower Cretaceous) (Texas) (W-38; K-66)
- WERNER Formation (Middle Jurassic) (Louisiana) (K-66)
- WESLEY Shale (Jackfork Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66; C-76)
- WESSON Tongue (Cotton Valley Group) (Upper Jurassic-Lower Cretaceous) (Louisiana) (K-66)
- WEST ARM Formation (=Williams to Confederate units) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- WEST BRANCH Moraine (Pleistocene) (Wisconsin) (W-38)
- WEST BRANCH Shale Member (Janesville Shale) (Admire Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Kansas) (W-38; K-66)
- WEST NUECES Formation (Lower Cretaceous) (Texas) (K-70)
- WEST PRONG Lentil (Del Rio Clay) (Upper Cretaceous) (Texas) (K-66)
- WEST SPRING CREEK Formation (Arbuckle Group) (Canadian) (Lower Ordovician) (upper 100 feet, Whiterockian, Middle Ordovician) (Oklahoma) (W-38; K-66)
- WESTERVILLE Limestone Member (Cherryvale Shale) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)

- WESTHEIMER Member (=Confederate Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WESTHEIMER zone (above Bostwick Conglomerate) (Dornick Hills Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WESTON Limestone (=Iatan Limestone) (Lansing Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WESTON Sandstone Member (Monongahela Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- WESTON Shale (=Barnsdall-Tallant units) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WESTON Shale Member (Monongahela Formation) (Pennsylvanian) (West Virginia) (W-38; K-66)
- WESTPHALIA Limestone Member (Stranger Formation) (Douglas Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WESTPHALIAN Series (310-315 m.y.) (=Desmoinesian Series) (Upper Carboniferous or Pennsylvanian System) (Europe)
- WETUMKA Shale (upper Cherokee-lower Marmaton Groups) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WEWOKA Formation (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WHEELER coal bed (below Bevier coal) (Wheeler Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri)
- WHEELER coal member (Swede Hollow Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Iowa) (L-91)
- WHEELER Formation or Shale (Middle Cambrian) (Utah) (W-38; K-66; C-76; S-81)
- WHEELER Formation (above Verdigris Limestone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Missouri) (K-66)
- WHEELER lime (=Oologah Formation) (Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- WHEELER limestone member (Pioche Shale) (Cambrian) (Nevada) (K-66)
- WHEELER sand (=Fort Scott Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- WHEELER sand (basal Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38)
- WHEELER Sandstone Member (Juncal Formation) (Eocene) (California) (K-66; S-81)
- WHEELER zone (Wellington Formation) (Leonardian) (Permian) (Oklahoma; Texas)
- WHEELOCK Marl Member (Cook Mountain Formation) (Claiborne Group) (Eocene) (Texas) (K-66)
- WHETSTONE CREEK Member (Bonneterre Dolomite) (Dresbachian) (Croixian) (Upper Cambrian) (Missouri) (L-81)
- WHETSTONE CREEK Shale Member (Breathitt Formation) (Pennsylvanian) (Kentucky) (K-66)
- WHIRLWIND Breccia Member (Pruett Formation) (Eocene) (Texas) (K-66)
- WHIRLWIND Formation (Cambrian) (Utah) (K-66)

- WHITE lime (=Viola Group) (Trentonian-Edenian) (Ordovician) (Oklahoma) (J-57)
- WHITE limestone (=Jackson-Vicksburg Groups) (Eocene) (Alabama) (W-38)
- WHITE limestone (=Manitou Limestone) (Ordovician) (Colorado) (W-38)
- WHITE porphyry (Cretaceous or Tertiary) (Colorado) (W-38; K-66)
- WHITE BLUFF Formation (Jackson Group) (Eocene) (Arkansas) (W-38; K-66)
- WHITE CLIFFS Chale (=Annona Chalk) (Upper Cretaceous) (Arkansas) (W-38; K-66)
- WHITE CLIFFS Subchalk (=Annona Chalk) (Upper Cretaceous) (Arkansas)(W-38; K-66)
- WHITE CLOUD Shale Member (Scranton Shale) (Ada Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WHITE PRAIRIE D'ANE Clay (=Prairie d'Ane Clay) (Pleistocene) (Arkansas)(W-38)
- WHITE RANCH Limestone Bed (below Bunger Limestone) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas) (W-38; K-66)
- WHITE RIVER Ash Bed (Engineer Loess) (Holocene) (Alaska) (L-81)
- WHITE RIVER Group (Oligocene) (South Dakota) (W-38: K-66)
- WHITE RIVER Limestone (=Jefferson City, Cotter, and Powell units) (Lower Ordovician) (Missouri) (W-38; K-66)
- WHITE RIVER Limestone) (=Salem Limestone) (Meramecian) (Mississippian) (Indiana) (W-38)
- WHITE RIVER Orthogneiss (Upper Paleozoic or Lower Mesozoic) (Washington) (K-70)
- WHITE RIVER stone (=Salem Limestone) (Meramecian)(Mississippian) (Indiana) (W-38)
- WHITE ROCK Moraine (Pleistocene) (Illinois) (W-38)
- WHITEHORSE Group (marlow-Rush Springs units) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- WHITEROCK Quartzite (Cambrian or Precambrian) (Nova Scotia) (Canada) (W-38)
- WHITEROCKIAN Stage (460-485 m.y.) (Champlainian Series) (Middle Ordovician) (Nevada) (K-66)
- WHITES CROSSING Coquina Member (Barnett Shale) (Meramecian) (Mississippian) (Texas) (K-66)
- WHITESTONE Limestone Member (Walnut Formation) (Lower Cretaceous) (Texas) (K-70)
- WHITING sand (lower Holdenville) (Nowata Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- WHITNEY Clay Member (Blue Formation) (Oligocene) (Nebraska) (K-66)
- WHITNEY sand zone (Garrison Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57)
- WHITSETT Formation (Jackson Group) (Eocene) (Texas) (W-38; K-66)
- WHITSETT Limestone Lentils (Myrtle Formation) (Jurassic-Cretaceous) (Oregon) (W-38; K-66)
- WHITT Group (=Salesville-Keechi Creek units) (Mineral Wells Formation) (Strawn-Canyon Groups) (Desmoinesian-Missourian) (Pennsylvanian) (Texas) (K-66)
- WICHITA Conglomerate Member (Choza Formation) (Clear Fork Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- WICHITA Group (Gearyan-Lyonian-Leonardian) (Coleman Junction Limestone through Lueders Formation) (Pennsylvanian-Permian) (Texas) (W-38; K-66)

- WICHITA MOUNTAINS Granite Group or Granitic Suite (525 ± 25 m.y.) (Cambrian) (Oklahoma) (K-70)
- WICHITA-ALBANY Group (=Wichita Group) (Gearyan-Lyonian-Leonardian) (Pennsylvanian-Permian) (Texas)
- WICHITAN Series (=mostly Leonardian) (Permian) (Texas) (W-38; K-66)
- WIGDON sand (=Wigton sand) (lower Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38)
- WIGTON sand (=Lagonda Sandstone Member) (Calvin Sandstone) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38)
- WIGTON sand (Englevale Sandstone Member) (Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- WILBARGER CREEK Bed (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas) (W-39; K-66)
- WILBERNS Formation (Moore Hollow Group) (Franconian-Trempealeuan) (Croixian) (Upper Cambrian) (Texas) (W-38; K-66)
- WILBURTON Group (=Atoka-Hartshorne-McAlester units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WILCOX Formation (Precambrian) (Vermont) (K-66)
- WILCOX Group (Paleocene) (Louisiana) (W-38; K-66; S-78)
- WILCOX sand (basal Mountain Lake Member) (Bromide Formation) (Simpson Group) (Whiterockian) (Middle Ordovician) (Oklahoma) (W-38; J-57)
- WILCOX sand 3 (basal Tulip Creek Formation) (Simpson Group) (Whiterockian) (Middle Ordovician) (Oklahoma)
- WILD CHERRY Formation (Oligocene) (Texas) (L-81)
- WILDCAT CREEK Shale Member (Admiral Formation) (Wichita Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-66)
- WILDCAT CREEK Tuff (Pliocene) (Oregon) (K-70)
- WILDCAT JIM Sand (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (J-57)
- WILDCAT MOUNTAIN Rhyolite (Saint Francois Mountains Volcanic Supergroup) (Y Series) (Middle proterozoic) (Precambrian) (Missouri) (L-91)
- WILDERNESS Stage (Mohawkian or Champlainian Series) (Middle Ordovician) (Virginia) (K-66)
- WILDHORSE Dolomite Member (Barnsdall Formation) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WILDHORSE Formation (Pleistocene) (Oregon) (W-38; K-66)
- WILDHORSE lime (Birch Creek Limestone) (Ochelata Group) (Missourian) (Pennsylvanian) (Oklahoma)
- WILDHORSE Member (Conejos Formation) (Oligocene) (Colorado) (L-81)
- WILDHORSE Member (Muldoon Formation) (Mississippian or Pennsylvanian) (Idaho) (K-66)
- WILDHORSE Sandstone (=Ryan Sandstone Member) (Wellington Formation) (Leonardian) (Permian) (Oklahoma) (W-38; K-66)

- WILDHORSE MOUNTAIN Formation (Jackfork Group) (Morrowan) (Pennsylvanian) (Oklahoma) (K-66; C-76)
- WILES Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- WILEY coal member (Spoon Formation) (Pennsylvanian) (Illinois) (K-66)
- WILEY cyclothem (Pennsylvanian) (Illinois) (W-38; K-66)
- WILEY Dolomite (=Brushy Canyon Formation) (Delaware Mountain Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- WILHELM sand (upper East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- WILHELM LANE pay (East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- WILHELM LANE CANYON pay (upper East Mountain Shale Member) (Mineral Wells Formation) (Strawn Group) (Desmoinesian) (Pennsylvanian) (Texas)
- WILHELM LANE HOPE pay (Parks Mountain Sandstone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas)
- WILKIE RANCH Formation (Leonardian) (Permian) (Texas) (L-86)
- WILLARD Clays (Quaternary) (Utah) (K-70)
- WILLARD Shale (Wabaunsee Group) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (W-38; K-66)
- WILLARD-PILLSBURY Shale (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma)
- WILLIAMS Formation (Cretaceous) (California) (K-66)
- WILLIAMS Limestone (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- WILLIAMS sand (=Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- WILLIAMS Sand Member (Antelope Shale) (Monterey Group) (Miocene) (California) (K-70)
- WILLIAMSON CREEK Sandstone (Fleming Formation) (Miocene) (Louisiana) (K-66; S-81)
- WILLIE sand (above Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- WILLIS coal member (Abbott Formation) (Pennsylvanian) (Illinois) (K-66)
- WILLIS ferruginous sand member (Willis Sand) (Pleistocene) (Texas) (W-38)
- WILLIS gravelly sand member (Willis Sand) (Pleistocene) (Texas) (W-38)
- WILLIS Phyllite (Precambrian) (Virginia) (K-66)
- WILLIS sand (Elwren Sandstone) (Chesterian) (Mississippian) (Indiana) (W-38)
- WILLIS Sand (Pleistocene) (Texas) (W-38; K-66)
- WILLIS RANCH Member (Word Formation) (Guadalupian) (Permian) (Texas) (K-70)
- WILLOW POINT Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- WILLS Granite (Precambrian) (Missouri) (K-70)
- WILLS POINT Formation (Midway Group) (Paleocene) (Texas) (W-38; K-66)
- WILMOT sand (Parks Mountain Sandstone Member) (Harpersville Formation) (Cisco Group) (Virgilian-Gearyan) (Pennsylvanian) (Texas) (W-38)

- WILSON Diorite (=Mount Wilson Quartz Diorite) (Jurassic or Cretaceous) (California) (W-38; K-66)
- WILSON Formation (=Chanute through Stanton units) (Kansas City-Lansing Groups) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WILSON sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WILSON sand (Carbondale Formation) (Pennsylvanian) (Illinois) (W-38)
- WILSON sand (Hiawatha Formation) (Wasatch Group) (Eocene) (Wyoming) (W-38)
- WILSON sand (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- WIMBERLY sand (Wewoka Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- WIMBERLY GUNSIGHT lime (=Ivan Limestone Member) (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- WIMER RANCH Bed (Pawnee Limestone Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WIMER SCHOOL Limestone Member (Labette Shale) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (K-66)
- WINCHELL LIMESTONE Member (=Daube Limestone) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- WINDBLOWN cover sand (Pleistocene) (Panhandle; Oklahoma; Texas)
- WINDOM Member (Belvidere Formation) (=Kiowa Formation) (Lower Cretaceous) (Kansas) (W-38; K-66)
- WINDOM Shale Member (Moscow Shale) (Devonian) (New York) (W-38; K-66)
- WINFIELD Dolomite (=Cotter Dolomite) (Lower Ordovician) (Missouri) (W-38; K-66)
- WINFIELD Limestone Member (Enterprise Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57; K-66)
- WINK Member (Wristen Formation) (Upper Silurian) (Texas) (L-86)
- WINKLER FORD Limestone Bed (Grape Creek Member) (Clyde Formation) (Wichita Group) (Leonardian) (Permian) (Texas) (W-38; K-66)
- WINNEBAGO Formation (Pleistocene) (Illinois) (K-66)
- WINNEBAGO Shale Bed (Burlingame Limestone Member) (Bern Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WINOKA Gravel (=Lafayette Formation) (Pliocene ?) (Missouri) (W-38; K-66)
- WINONA Amygdaloid (Precambrian) (Michigan) (W-38; K-66)
- WINONA Conglomerate (Precambrian) (Michigan) (W-38; K-66)
- WINONA Flow (Precambrian) (Michigan) (W-38; K-66)
- WINONA Formation (Claiborne Group) (Eocene) (Mississippi) (W-38; K-66; S-81)
- WINSLOW Formation (=Atoka through Boggy units) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)
- WINSLOW Shale (Triassic) (Arizona) (W-38; K-66)
- WINSLOW Shale Member (Moenkopi Formation) (Triassic) (K-66)
- WINSLOW Till Member (Glasford Formation) (Pleistocene) (Illinois) (L-81)

- WINTERSET Limestone Member (Hogshooter Limestone) (Skiatook Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WINZELER Shale Member (Howard Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WISCONSINAN Stage (Pleistocene Series) (Quaternary System) (Cenozoic Era or Erathem) (Wisconsin) (W-38; K-66)
- WISER sand (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Kansas) (J-57)
- WISER sand (See Weiser sand) (Bandera Quarry Sandstone Bed) (Bandera Shale Member) (Oologah Limestone) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)
- WITTEVILLE coal bed (Boggy Formation) (Cherokee Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)
- WITTS SPRINGS Formation (Morrowan) (Pennsylvanian) (Arkansas) (K-70)
- WIZARD WELLS Limestone (=Devils Den Limestone Submember) (Jasper Creek Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- WOLF CREEK Conglomerate Lentil (=Panama Conglomerate Member) (Cattaraugus Formation) (Devonian) (New York) (W-38; K-66)
- WOLF CREEK Dolomite (=Butterly Dolomite) (Arbuckle Group) (Lower Ordovician) (Oklahoma) (W-38; K-66)
- WOLF CREEK sand (Morgantown Sandstone) (Conemaugh Group) (Pennsylvanian) (Ohio) (W-38)
- WOLF CREEK Terrace (Pleistocene) (Western Oklahoma)
- WOLF MOUNTAIN Granite (=Lone Grove Granite) (Llano terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Texas) (K-66)
- WOLF MOUNTAIN Shale Member (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (W-38; K-66)
- WOLF RIVER Limestone Member (=Hartford Limestone Member) (Topeka Limestone) (Shawnee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WOLFCAMP Group (=Neal Ranch below, and Lenox Hills above) (rests unconformably upon Precambrian rocks) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (W-38; K-66)
- WOLFCAMPIAN Series (incomplete type area; =Lyonian Series or upper part of Gearyan Series) (Upper Pennsylvanian or Lower Permian ?, depending upon the original definition of the type Permian in the Perm Basin of Russia) (Texas) (K-66)
- WOLFE sand (Doyle Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (J-57)
- WOLFE CITY Formation (Taylor Group) (Upper Cretaceous) (Texas) (W-38; K-66; S-78)
- WOMBLE Shale (Whiterockian-Blackriveran) (Middle Ordovician) (Arkansas) (W-38; K-66)
- WOOD SIDING Formation (Vanoss Group) (Virgilian-Gearyan) (Pennsylvanian) (Oklahoma) (K-66)
- WOODBINE Formation (Upper Cretaceous) (Texas) (W-38; K-66)

- WOODBINE Stage (Upper Cretaceous) (Texas) (K-70)
- WOODFORD carbonate bed (basal Woodford Shale) (Upper Devonian) (Oklahoma)
- WOODFORD Gneiss (=Mount Holy Gneiss) (Precambrian) (Vermont) (W-38; K-66)
- WOODFORD Shale (Upper Devonian-Lower Mississippian) (Oklahoma) (W-38; J-57; K-66)
- WOODMANSEE sand (=Devils Kitchen Conglomerate) (Deese Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (J-57)
- WOODS sand (=Overbrook Sandstone Member) (Goddard Formation) (Chesterian) (Mississippian) (Oklahoma) (J-57)
- WOODS HOLLOW Shale (Whiterockian-Blackriveran) (Middle Ordovician) (Texas) (W-38; K-66)
- WOODWARD Group (=Dog Creek, Whitehorse, and lower Cloud Chief units) (Guadalupian) (Permian) (Oklahoma) (W-38; K-66)
- WOODWARD volcanic ash (Ogallala Formation) (Pliocene) (Oklahoma)
- WOOLEYS BLUFF Clay Member (McElroy Formation) (Eocene) (Texas) (W-38; K-66)
- WOOLSEY Member (lower Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas) (K-66)
- WORD Formation (Guadalupian) (Permian) (Texas) (W-38; K-66)
- WORLAND Limestone Bed (Altamont Limestone Member) (Oologah Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WORTHAM Argonite Lentil (Kerens Member) (Wills Point Formation) (Midway Group) (Paleocene) (Texas) (W-38; K-66)
- WORTHEY Member (Sycamore Limestone) (Meramecian) (Mississippian) (Oklahoma) (K-66)
- WREFORD Limestone (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; J-57; K-66)
- WRISTEN Formation (Upper Silurian) (Texas) (L-86)
- WYANDOTTE Group (=Kansas City Group) (Missourian) (Kansas) (W-38; K-66)
- WYANDOTTE Limestone (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WYCKOFF Limestone (=Burlingame Limestone Member) (Bern Limestone) (Wabaunsee Group) (Virgilian) (Pennsylvanian) (Kansas) (W-38; K-66)
- WYMAN Formation (Precambrian) (California) (W-38; K-66)
- WYMAN Sandstone (=Batesville Sandstone) (Mississippian) (Arkansas) (W-38; K-66)
- WYMAN Shale Member (Kooteni Formation) (Cretaceous) (Montana) (W-38; K-66)
- WYMORE Shale Member (Matfield Shale) (Oscar Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Oklahoma) (W-38; K-66)
- WYNN lime (=Dolman lime))(Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
- WYNN Limestone Member (Palo Pinto Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas) (K-66)
- WYNONA Group (=Barnsdall through Oread units) (Ochelata-Vamoosa Groups) (Missourian-Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- WYNONA Sandstone Lentil (Vamoosa Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; K-66)

WYO Division (=Tanyard-Gorman units) (Ellenburger Group) (Lower Ordovician) (Texas) (W-38; K-66)

X

X sand (=Cordell sand, below Davis sand) (Bend Group) (Desmoinesian) (Pennsylvanian) (Texas)

X Series (1,600-2,500 m.y.) (Proterozoic System) (Precambrian Era or Erathem) (USA) (C-76; S-78; L-81; L-86)

XI Member (Rexroad Formation) (Pliocene) (Kansas) (K-66)

Y

Y Series (900-1,600 m.y.) (Proterozoic System) (Precambrian Era or Erathem) (USA) (C-76; S-78; L-81; L-86)

YARMOUTHIAN Stage (Pleistocene Series) (Quaternary System) (Cenozoic Era or Erathem) (Iowa) (W-38)

YATES sand (=Healdton sand) (below Crinerville Limestone) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)

YATES Sandstone (upper Cloud Chief Formation) (Artesia Group) (Guadalupian) (Permian) (Texas) (W-38; K-66)

YAZOO Formation (Jackson Group) (Eocene) (Mississippi) (W-38; K-66)

YEAGER Clay (=Frio Clay) (Oligocene) (Texas) (W-38; K-66)

YEAGER Greenstone (=Yaeger Greenstone) (Precambrian) (Arizona) (K-66)

YEAGER Limestone Member (lower Holdenville Formation) (Marmaton Group) (Desmoinesian) (Pennsylvanian) (Oklahoma)

YEARWOOD Formation (Cretaceous) (Texas) (K-66)

YEGUA Formation (Claiborne Group) (Eocene) (Texas) (W-38; K-66)

YEGUA River Conglomerate (=Smetana Sandstone Member) (Yegua Formation) (Eocene) (Texas) (W-38; K-66)

YELLIAN Series (=Hale, Bloyd, and Atoka units) (Morrowan-Desmoinesian) (Pennsylvanian) (Arkansas) (W-38; K-66)

YELLVILLE Limestone (=Jefferson City through Everton units) (Canadian-Whiterockian) (Lower to Middle Ordovician) (Arkansas) (W-38; K-66)

YELTON salt member (Dog Creek Shale) (El Reno Group) (Guadalupian) (Permian) (Oklahoma)

YESO Formation (Leonardian) (Permian) (Texas) (W-38; K-66)

YOAKUM Dolomite Member (Queen Formation) (Whitehorse Group) (Guadalupian) (Permian) (Texas) (K-66)

YOUNGSTOWN sand (Atoka Formation) (Desmoinesian) (Pennsylvanian) (Oklahoma) (W-38; J-57)

YPRESIAN Stage (50-55 m.y.) (Eocene Series) (Europe)

YUCCA Formation (Lower Cretaceous) (Texas) (W-38; K-66)
 YULE-FUNK sand (below Daube coal) (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (J-57)
 YUMA Sandstone Member (=Stones Switch Sandstone ?) (Whitsett Formation) (Eocene) (Texas) (W-38; K-66)

Z

Z Series (570-900 m.y.) (Proterozoic System) (Precambrian Era or Erathem) (USA) (C-76; S-78; L-81; L-86)
 ZADOC Member (McNairy Formation) (Cretaceous) (Missouri) (K-66)
 ZANCLEAN Stage (4.6-5.3 m.y.) (Pliocene Series) (Europe)
 ZARAH Subgroup (=Lane, Wyandotte, and Bonner Springs units) (Kansas City Group) (Missourian) (Pennsylvanian) (Kansas) (K-66)
 ZEANDALE Limestone (Wabaunsee Group) (=Tarkio, Wamego, and Maple Hill units) (Virgilian-Gearyan) (Pennsylvanian) (Kansas) (K-66)
 ZELL Limestone Member (Macy Formation) (Ordovician) (Missouri) (K-66)
 ZESCH Formation (Middle Devonian) (Texas) (K-66)
 ZILPHA Formation (Claiborne Group) (Eocene) (Mississippi) (K-66; S-81)
 ZION CHAPEL coal bed (=Baldwin coal) (Woolsey Member) (Bloyd Formation) (Morrowan) (Pennsylvanian) (Arkansas)
 ZIRCON grains (505-2,860 m.y) (in Ordovician Sandstone and Paleozoic beds) (Cambrian System) (Proterozoic System; X, Y, Z Series) (Archean or Archeozoic System; W Series) (Precambrian Era or Erathem) (Suwannee Basin; Florida)
 ZIRCON xenocrysts (1,800 m.y.) (in Tishomingo Granite) (Arbuckle terrane) (Y Series) (Middle Proterozoic) (Precambrian) (Oklahoma)
 ZONE A (Gaptank Formation) (=Lake Bridgeport Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
 ZONE B (Gaptank Formation) (=Adams Branch Limestone Bed) (Wolf Mountain Shale Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
 ZONES B-H (Moccasin Bend Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
 ZONE C (Gaptank Formation) (=Winchell Limestone Member) (Graford Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
 ZONE D (Gaptank Formation) (=Seaman Ranch Shale Bed) (Placid Shale Member) (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
 ZONE E (Gaptank Formation) (=Ranger Limestone Member) (Brad Formation) (Canyon Group) (Missourian) (Pennsylvanian) (Texas)
 ZONE F (Gaptank Formation) (=Home Creek-Jacksboro Members) (Caddo Creek-Graham Formations) (Canyon-Cisco Groups) (Missourian-Virgilian) (Pennsylvanian) (Texas)
 ZONE G (Gaptank Formation) (=Salem School through Necessity units) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)

- ZONE H (Gaptank Formation) (=Gunsight-Rocky Mound units) (Wayland Shale Member) (Graham Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- ZONE I (Gaptank Formation) (=Ivan Limestone Member) (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- ZONE J (Gaptank Formation) (=Speck Mountain Limestone Member) (Thrifty Formation) (Cisco Group) (Virgilian) (Pennsylvanian) (Texas)
- JONES J-L (Baxter Springs Member) (Warsaw Formation) (Meramecian) (Mississippian) (Oklahoma)
- ZONE M (Joplin Member) Keokuk or Elsey Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma)
- ZONES N-Q (Grand Falls Chert Member) (Keokuk or Elsey Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma)
- ZONE R (Reeds Spring Formation) (Boone Group) (Osagean) (Mississippian) (Oklahoma)
- ZOPILOTE Breccia (Garren group) (Oligocene) (Texas) (K-66)
- ZUCKERMAN Sandstone (Hoxbar Group) (Missourian) (Pennsylvanian) (Oklahoma) (W-38; K-66)
- ZWEIG Sandstone Lens (Santa Anna Branch Shale Member) (Putnam Formation) (Cisco Group) (Gearyan-Lyonian) (Pennsylvanian-Lower Permian ?) (Texas) (K-70)
- ZYPSIE sand (below Gunsight Limestone) (Cisco Group) (Virgilian) (Pennsylvanian) (Oklahoma) (W-38; J-57)