

Rock Type

A Anhydrite
B Chert
C Clay
D Dolostone
E Calcarenite
(carbonate sand)
F Shell Bed
G Gypsum
H Shale
I Silt-Size Dolomite
J Peat
K Chalk
L Limestone
M Calcilutite
(carbonate clay & silt)
N No Samples
O Orthoquartzite
P Phosphate
Q Quartzite
R Gravel
S Sand
T Silt
U Arkose
V As Above
W Sandstone
X Igneous
Y Metamorphic
Z Z Comment
1 Grainstone (90%)
2 Packstone (50 - 90%)
3 Wackestone (10 – 50%)
4 Mudstone (<10%)

Porosity

A Intragranular (through)
F Fracture
I Intergranular (around)
L Low Permeability
M Moldic
N Not Observed
P Pinpoint (Vugs)
V Vugular
X Intercrystalline
Possibly High
Y Permeability

Sand or Gravel

Modal Size

X Cryptocrystalline
O Microcrystalline
V Very Fine
F Fine
M Medium
C Coarse
L Very Coarse
G Granule (2 - 4 mm)
R Gravel (>2 mm)
T Lithographic

Roundness

A Angular
S Subangular
U Subrounded
R Rounded

Sphericity

H High
M Medium
L Low

Limestone

Grain Type

B Biogenic
C Crystal
I Intraclast
M Calcilutite (micrite)
O Oolite
P Pellet
S Skeletal
X Oolite Cast
Y Pellet Cast
Z Skeletal Cast

Dolomite

Alteration

L 0 – 10%
M 10 – 50%
H 50 – 90%
C 90 – 100%

Crystallinity

E Euhedral (good form)
S Subhedral
A Anhedral (no form)

Induration

U Unconsolidated
P Poor
M Moderate
(can't break w/ pick)
G Good

Cement Type

A Anhydrite
C Clay
D Dolomite
G Gypsum
H Chalcedony (quartz)
I Iron
M Calcilutite Matrix
O Organic
P Phosphate
Q Silica
R Sparry Calcite

Sedimentary Structures

B Banded
C Brecciated
D Bedded
F Fissile
G Graded Bedding
I Interbedded
L Laminated
M Mottled
N Nodular
S Streaked
T Bioturbated
V Massive
X Cross-Bedded
Y Styolitic

Accessory Minerals

A Anhydrite
B Chert
C Clay
D Dolomite
E Calcite
F Feldspar
G Gypsum
H Heavy Minerals
I Iron Stain
J Mica
K Glauconite
L Limestone
M Calcilutite
N Manganese Oxide
O Limonite
P Pyrite
Q Quartz
R Spar
S Quartz Sand
T Silt
U Peat
V Hematite
W Plant Remains
X Phosphatic Gravel
Y Phosphatic Sand
Z Shale
1 Shell
2 Organics
3 Silt-Size Dolomite
4 Calcarenite

Other Features

A Calcareous
B Brown Anhydrite Crystals
C Coquina
D Dolomitic
E Poor Sample
F Frosted
G Granular
H High Recrystallization
(>50%)
I Platy
J Plastic
K Chalky
L Low Recrystallization
(10 – 30%)
M Medium Recrystallization
(30 – 50%)
N Splintery
O Crystalline
P Partings
Q Speckled
R Reefal
S Sucrosic
T Unwashed Sample
U Muddy
V Variegated
W Weathered
X Varved
Y Greasy
Z Stromatal
1 Fossiliferous

General Fossil Types

A Algae
B Bryozoa
C Coral
D Brachiopod
E Echinoid
F Benthic Foraminifera
G Crustacea
H Planktonic Foraminifera
I Diatoms
J Barnacles
K Oolites
L Miliolids
M Mollusks
N Cones
O Ostracods
P Plant Remains
R Rudistids
S Spicules
T Sharks Teeth
U No Fossils
V Vertebrate
W Worm Traces
X Fossil Fragments
Y Fossil Molds
Z Organics