

Rock Type

A - andydrite
B - chert
C - clay
D - dolomite
E - calcarenite
F - shell bed
G - gypsum
H - shale
I - dolosilt
J - peat
K - chalk
L - limestone
M - calcilutite
N - no samples
O - orthoquartzite
P - phosphorite
Q - quartzite
R - gravel
S - quartz sand
T - silt
U - arkose
V - as above
W - sandstone
X - igneous
Y - metamorphic
Z - comments

1 - grainstone 90%
2 - packstone 30-90%
3 - wackestone 10-50%
4 - mudstone <10%

Porosity

Type

A - intragranular
F - fracture
I - intergranular —
L - low permeability
M - moldic
N - not observable
P - pin point (vugs) —
V - vugular
X - intercrystalline
Y - possibly permeable HIGH

Sand or gravel

Modal size

X - cryptocrystalline
O - microcrystalline
V - very fine
F - fine
M - medium
C - coarse
L - very coarse
G - granule
R - gravel
T - lithographic

Roundness

A - angular
S - subangular
R - rounded
U - subrounded

Sphericity

H - high
M - medium
L - low

Limestone

Grain type

B - biogenic
C - crystal
I - intraclast
M - calcilutite (mud) micrite
O - oolite
P - pellet
~~L - peloid~~
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
S - subhedral
A - anhedral *crystal*

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
I - iron
M - calcilutite matrix
O - organic
P - phosphate
Q - silica
R - sparry calcite

Sed. 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 - stylolitic

CHIT
for
cutting

Accessory Mineral

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 — *micrite*
N - Mn oxide stain
O - limonite
— P - pyrite
— Q - Quartz
— R - sparry calcite
S - quartz sand
T - silt
U - peat
V - hematite
W - plant remains
— X - phosphatic gravel
— Y - phosphatic sand
Z - shale
1 - shells
2 - organics
3 - dolosilt

Porosity

UDSC 25-35
SWNN 25
CCAL 20-25
Dolo 10-15
AUDIL 20
Clay 10

Other Features

A - calcareous
B - brown anhydrite crystals
C - coquina
D - dolomitic
E - poor samples
F - frosted
G - granular
H - high recrystallization
I - platy
J - plastic
K - chalky
L - low recrystallization
M - medium recrystallization
O - crystalline
P - partings
Q - speckled
R - reefal
S - sucrosic
T - unwashed sample
U - muddy
V - variegate
W - weathered
X - varved
Y - greasy
Z - stromatal
1 - fossiliferous

General Fossil Types

A - algae
B - bryozoans
C - corals
D - brachiopods
E - echinoids
F - foraminifera (benthic)
G - crustaceans
H - foraminifera (planktic)
I - diatoms
J - barnacles
M - mollusks
N - cones
O - ostracods
P - plant remains
R - rudistids
S - spicules
T - shark teeth
U - unfossiliferous
V - vertebrates
W - worm traces
X - fossil fragments
Y - fossil molds
Z - organics

Index Fossil Types

Z - individual names

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