GLJ Grosmont/Ireton Workshop: Core Description Legend

Grosmont Depositional Facies:

G1	Calcareous shale
G2	Nodular argillaceous wackestone
G3a	Coral-stromatoporoid boundstone
G3b	Coal-stromatoporoid floatstone to rudstone
G4a	*Amphipora* wackestone (open)
G4b	*Amphipora* wackestone (restricted)
G5	Peloid packstone to grainstone
G6	Laminated mudstone to wackestone

Ireton Facies:

I1	Black, laminated shale/limestone
I2	Laminated, nodular limestone/shale
I3a	Bioturbated mudrock (open)
I3b	Bioturbated mudrock (restricted)
I4a	Turbidite (matrix-supported)
I4b	Turbidite (grain-supported)
I5	Nodular, argillaceous skeletal mud/wackestone (open marine fauna)
I6	Skeletal packstone

Karst Facies:

K1	Matrix-supported polyfacies breccia
K2	Grain/clast-supported polyfacies breccia
K3	Matrix-supported monofacies breccia
K4	Grain/clast-supported monofacies breccia

Fracture Code (per 30 cm/1 ft.):

0	0 fractures observed
1	1-10 fractures observed
2	11-20 fractures observed
3	21-30 fractures observed
4	51-40 fractures observed
5	41-50 fractures observed
6	Rubble, yet facies recognizable
7	Rubble, facies not recognized

Grains:

●	Peloid
⦿	Ooid
	Oncoid
	Amphipora
$\otimes_{Th}$	*Thamnopora*
$\otimes_{R}$	Rugose coral
$\otimes_{T}$	Tabulate coral
	Bulbous stromatoporoid
	Tabular stromatoporoid
	Tubular stromatoporoid
	Thick encrusting stromatoporoid
	Brachiopod
	Crinoid
	Gastropod
	Bivalve
	Intraclast
	Lithoclast
sk	Skeletal fragments, undifferentiated

Sedimentary Structures:

	mm scale laminae
	Root traces
	Burrows
Fe	Fenestral fabric
BB	Beach bubbles
	Solution pipe
$\uparrow_{G}$	Graded sedimentary fill or bedding
Ge	Geopetal

Other Features:

$\sim_{G}$	Laminar green shale
An	Anhydrite cement
Dol	Dolomite cement
Ca	Calcite cement
MO	Moldic
BP	Between particles
BC	Between crystals
WP	Within particles
FR	Fracture-filling
SCO	Solution channel (open pore)
SCF	Solution channel (filled pore)