

Code	Lithofacies Description
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Diamictons (D)	Poorly Sorted Sediment Admixture
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Dmm	Matrix-supported, massive
Dms	Matrix-supported, stratified
Dml	Matrix-supported, laminated
Dcm	Clast-supported, massive
Dcs	Clast-supported, stratified
(c)	Evidence of current reworking
(r)	Evidence of re-sedimentation
(s)	Evidence of shearing
(l)	Evidence of loading
(p)	Includes clast pavements
(i)	Includes soft-sediment inclusions
(ra)	Includes glacitectonic rafts

Boulders (B)	Particles greater than 256 mm diameter
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Bms	Matrix-supported, massive
Bmg	Matrix-supported, graded
Bcm	Clast-supported, massive
Bcg	Clast-supported, graded
Bfo	Deltaic foresets
BL	Boulder lag or pavement

Gravels (G)	Particles of 8–256 mm diameter
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Gms	Matrix-supported, massive
Gm	Clast-supported, massive
Gsi	Clast-supported, imbricated
Gmi	Clast-supported, massive, imbricated
Gfo	Deltaic foresets
Gh	Horizontally bedded
Gt	Trough cross-bedding
Gp	Planar cross-bedding
Gz	Large-scale sinusoidal bedding
Gfu	Fining-upwards
Gcu	Coarsening-upwards
Go	Open framework
Gd	Deformed bedding
Glg	Bedload lag

Granules (GR) Particles of 2–8 mm diameter

GRcl	Massive with clay laminae
GRch	Massive and infilling channels
GRh	Horizontally bedded
GRm	Massive
GRmb	Massive and pseudobedding
GRmc	Massive with isolated outsize clasts
GRmi	Massive with isolated, imbricate clasts
GRmp	Massive with pebble stringers
GRo	Open framework
GRz	Large-scale sinusoidal bedding
GRfu	Fining-upwards
GRcu	Coarsening-upwards
GRT	Trough cross-bedding
GRp	Planar cross-bedding
GRfo	Deltaic foresets

Sands (S) Particles of 0.063–2 mm diameter

St	Trough cross-bedding
Sp	Planar cross-bedding
Sr (A)	Type-A ripples
Sr (B)	Type-B ripples
Sr (S)	Type-S ripples
Scr	Climbing ripples
Sh	Horizontally-laminated
Sl	Horizontal lamination with mud drapes
Sfo	Deltaic foresets
Sfl	Flaser bedding
Se	Erosional scours with intraclasts
Sm	Massive
Sfu	Fining-upwards
Scu	Coarsening-upwards
(d)	With dropstones
(l)	With loading
(e)	With syn-depositional extensional faults
(s)	With shears

**Silts and clays (F) Particles less than 0.063 mm diameter
Fines**

Fl	Finely laminated
Fm	Massive
Fp	Lenticular bedding
Flv	Fine lamination with rhythmites or varves
(d)	With dropstones
(l)	With loading
(e)	With syn-depositional extensional faults

Modified from Benn, D.I. and Evans, D.J.A. (2010),
Glaciers and Glaciation, 2nd ed., Hodder Education, Abingdon.

Variations may exist.

urbanrim.org.uk/lithofacies-codes.pdf