

Bedrock Geological Map of Ireland

1:500,000 scale

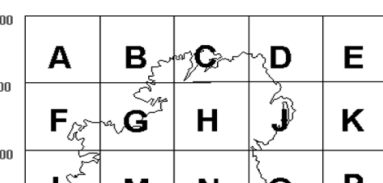
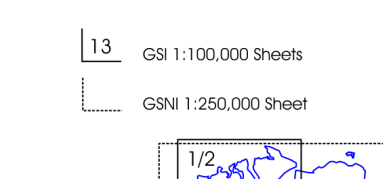
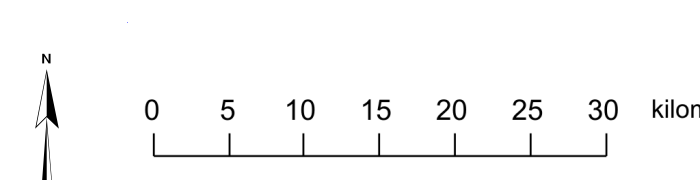
Derived from the Geological Survey of Ireland 1:100,000 Bedrock Map Series and the Geological Survey of Northern Ireland 1:250,000 Geological Map of Northern Ireland

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Compiled by B. McConnell and S. Gately
For data sources see GSI 1:100,000 Bedrock Map Series and GSI 1:250,000 Geological Map of Northern Ireland

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Basemap derived from 1:600,000 mapping
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The National Grid
The grid is shown in metres. Sub-coordinates are shown by the letters A-Z. The reference coordinates of the approximate location of the position in that sequence.

- CRETACEOUS**
- 63 Lacustrine clay, sand & siltstone
- QUATERNARY**
- 62 Upper Basal Formation
Clay, siltstone & sandstone
- 61 Lower Basal Formation
Clay, siltstone & sandstone
- 60 Interbasal Formation
Clay, siltstone & sandstone
- 59 Lower Basal Formation
Clay, siltstone & sandstone
- 58 Unconformable minor volcanic rocks
- MESOZOIC**
- 57 Shallow marine (Lower Ordovician)
Dark grey, chloritic sandstone & siltstone
- 56 Shallow marine (Lias)
Mudstone & siltstone
- 55 Continental red bed facies (Permian-Triassic, Westport)
Sandstone & mudstone with evaporite
- 54 Continental red bed facies & shallow marine
Sandstone, conglomerate, magnesian limestone, marl, evaporite
- NEOZOIC**
- 72 Fluvio-deltaic & shallow marine
Shale, sandstone & siltstone with coal
- 71 Shallow marine & estuarine (Atlantic)
Shale, sandstone, siltstone & coal
- 70 Continental red bed facies (see Viscom to early Eocene)
Sandstone, conglomerate & mudstone
- 69 Fluvio-deltaic & minor marine
Shale, sandstone, siltstone & coal
- 68 Fluvio-deltaic & minor marine
Shale, sandstone, siltstone & coal
- 67 Shallow water marine (Almargosa Group)
Limestone, sandstone & siltstone
- 66 Shallow water marine (Almargosa Group)
Limestone, sandstone & siltstone
- 65 Marine shelf facies
Limestone & siltstone
- 64 Marine shelf facies
Limestone & siltstone
- 63 Shallow marine & coastal plain (Basal Cretaceous)
Limestone, sandstone & siltstone
- 62 Westport mudstone
Fine-grained mudstone
- 61 Westport mudstone
Fine-grained mudstone
- 60 Westport mudstone
Fine-grained mudstone
- 59 Shallow marine & coastal plain (Basal Cretaceous)
Limestone, sandstone & siltstone
- 58 Shallow marine (Lower Limestone Shale)
Shale, sandstone & siltstone
- 57 Marine (Dark Group) (extends into the Viscom)
Limestone, sandstone & siltstone
- PALEOZOIC**
- 56 Basalt, tuffite, siltstone & tuff
- 55 Shallow marine (Cork Group, Old Head Sandstone Fm)
Sandstone & mudstone
- 54 Continental red bed facies
Sandstone, conglomerate & mudstone
- 53 Continental red bed facies
Sandstone, siltstone & mudstone
- 52 Continental red bed facies
Sandstone, siltstone & mudstone
- 51 Hyalite & hyalite tuff
- 50 Basalt, andesite, basaltic & andesitic tuff
- 49 Deep marine lutite sequence
Mudstone, greenstone & conglomerate
- 48 Transgression - regression sequence
Mudstone, greenstone, sandstone, siltstone, tuff
- 47 Marine (Dark Group) (see Sand Succession)
Sandstone, siltstone, conglomerate
- 46 Quartzite (in Croagh Patrick Succession)
- 45 Shallow marine (Croagh Patrick Succession)
Sandstone, siltstone, conglomerate
- 44 Hyalite tuff, basalt & andesite (in Dunquin Gp)
- 43 Shallow marine (Dunquin Group, Dingin)
Siltstone, sandstone, tuff, limestone
- 42 Mafic 'thrust' facies (O'Donnell-Sliabh)
Shale & greenstone (or siltstone)
- 41 Marine (Dark Group) (see Sand Succession)
Sandstone, siltstone & conglomerate
- 40 Marine & shelf
Siltstone, shale, sandstone & conglomerate
- 39 Deep marine
Shale, siltstone, minor sandstone & siltstone
- 38 Hyalite, hyalite tuff & siltstone
- 37 Basalt - andesite, tuff, silt & mudstone
- 36 Deep marine
Siltstone, shale, sandstone & conglomerate
- 35 Deep marine
Siltstone, shale, sandstone & conglomerate
- 34 Hyalite & hyalite tuff
- 33 Basalt - andesite, tuff & shale
- 32 Marine
Siltstone & shale
- 31 Marine
Siltstone & shale
- 30 Marine
Quartzite & minor siltstone
- NEOPROTEROZOIC**
- 29 Pelitic & psammitic schist, phyllite & marble
- 28 Epitaxial amphibolite schist & tuff
- 27 Psammite & pelitic schist
Marble, amphibolite, gneissite
- 26 Quartzite
- 25 Amphibolite & amphibolite schist
- 24 Pelitic & psammite
- 23 Psammite & pelitic schist & marble
- 22 Quartzite
- 21 Psammite & pelitic schist
- PROTEROZOIC**
- 20 Wicklow Division (possibly Donard)
Psammite & pelitic schist
- 19 Slieve Donard
Quartzite, amphibolite, paragneiss
- 18 Tyrone Central Inlier
Quartzite, amphibolite, paragneiss & schist
- 17 Slieve Donard Group
Schistose amphibolite
- 16 Keshon Quarry Group
Paragneiss, schist
- 15 Donaghadee & Gortale
Gneiss, orthogneiss & granite
- 14 Cross Point Gneiss
Gneiss, orthogneiss
- 13 Mullin Gneiss
Gneiss, orthogneiss
- 12 Rhine Complex (Inishmurray)
Gneiss, orthogneiss, minor metagabbro
- UNDOLOMITE**
- 11 Diabase & gabbro
- 10 Rhyolite
- 9 Gabbro, granophyre
- 8 Gabbro, gabbroite
- 7 Apatite Suite
- 6 Microgranite & porphyry
- 5 Gabbro, diorite & diorite
- 4 Gabbroite, basalt, andesite, granite
- 3 Orthogneiss, gabbro, quartz diorite (Glenamoy)
- 2 Gabbroite
- 1 Neoproterozoic (NE of Mth) & Lower Ordovician (Clew Bay, Carrive)
- 0 Meta-diorite, meta-gabbro

