

Irish Nat. Grid

208 000

W. Long. 7° 50'

212 000

Irish Nat. Grid

445 000

Lat. 55° 15'

442 000

439 000

436 000

Geology of Rosguill Peninsula
County Donegal
Ireland

Scale 1: 12 000

0 0.25 0.5 1
Kilometer

Geological mapping by Dr. B. Anderson, with assistance from Dr. G. I. Leslie.
The Melmore Head area is taken from M. Carey's PhD thesis with the
permission of Trinity College Dublin.

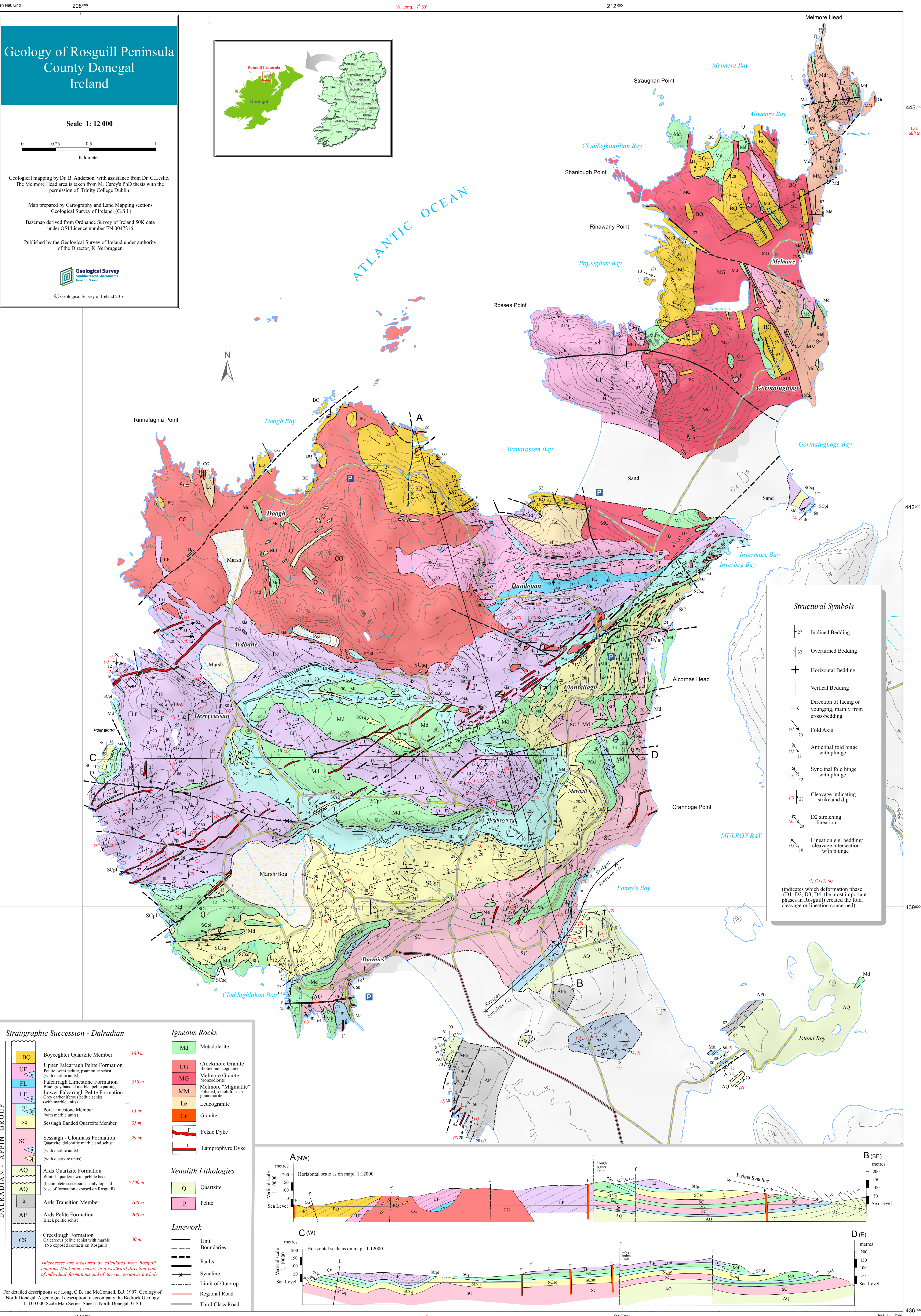
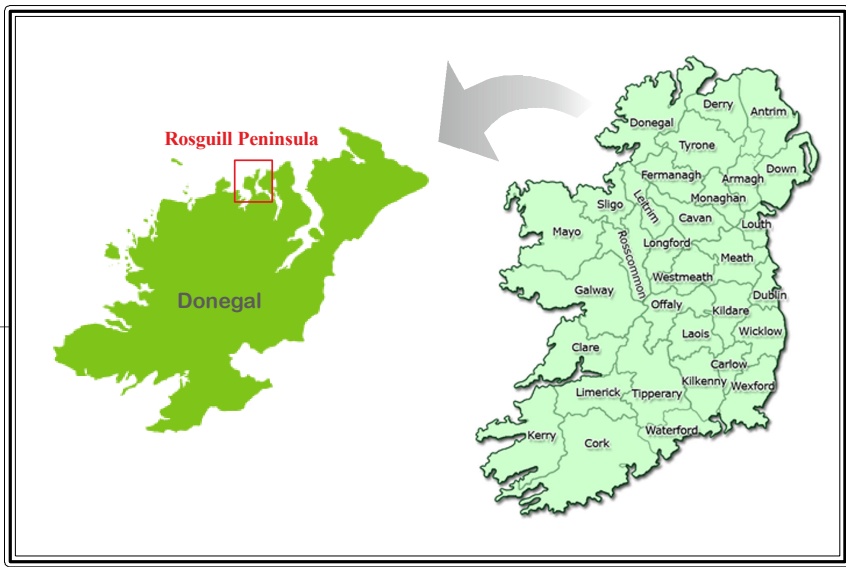
Map prepared by Cartography and Land Mapping sections
Geological Survey of Ireland (G.S.I.)

Base map derived from Ordnance Survey of Ireland 50K data
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Structural Symbols

27

Inclined Bedding

32

Overtuned Bedding

+

Horizontal Bedding

+

Vertical Bedding

Direction of facing or
younging, mainly from
cross-bedding.

20

Fold Axis

17

Anticlinal fold hinge
with plunge

12

Synclinal fold hinge
with plunge

28

Cleavage indicating
strike and dip

20

D2 stretching
lineation

10

Lineation e.g. bedding/
cleavage intersection
with plunge

(1) (2) (3) (4)

(indicates which deformation phase
(D1, D2, D3, D4) the most important
phases in Rosguill) created the fold,
cleavage or lineation concerned)

Stratigraphic Succession - Dalradian

BQ

UF

FL

LF

PL

SL

SC

SC

AQ

AQ

IT

AP

CS

Boyeagher Quartzite Member
Upper Falcarragh Pelite Formation
Falcarragh Limestone Formation
Lower Falcarragh Pelite Formation
Port Limestone Member
Sessagh Banded Quartzite Member
Sessagh - Clonmass Formation
Ards Quartzite Formation
Ards Pelite Formation
Ards Transition Member
Ards Pelite Formation
Creeslough Formation

180 m
510 m
15 m
33 m
90 m
90 m
100 m
200 m
30 m

Igneous Rocks

Md

CG

MG

MM

Le

Gr

F

L

Metadolerite
Crockmore Granite
Melmore Granite
Melmore "Migmatite"
Leucogranite
Granite
Felsic Dyke
Lampophyre Dyke

Xenolith Lithologies

Q

P

Quartzite
Pelite

Linework

Unit
Boundaries
Faults
Syncline
Limit of Outcrop
Regional Road
Third Class Road

For detailed descriptions see Long, C.B. and McConnell, B.J. 1997. Geology of
North Donegal: A geological description to accompany the Bedrock Geology
1:100 000 Scale Map Series, Sheet 1, North Donegal, G.S.I.

