The Isle of Man provides a great variety of geological features and materials which has made it a popular place for those with an interest in geology since early reports of findings were published in the nineteenth century.

Modern interest has been boosted by the recent re-mapping by the British Geological Survey and a number of academic papers and publications relating to specific areas of the Island's geological development.

It is a regular destination for both students and those with an interest in geology as so much variety can be seen and experienced within a compact area.

The following is a selection from the considerable amount of material available in the library and researchers who require access to other material should consult the library catalogues. Much of it is also available elsewhere through the British Library system, Universities and specialist societies and organisations and some contacts are listed at the end of this bibliography.
### GEOLOGICAL MAPS

<table>
<thead>
<tr>
<th>British Geological Survey</th>
<th>East Irish Sea Special Sheet edition Solid Geology</th>
<th>scale 1:250,000</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Gives the solid geology of the sea floor with a summary of onshore; useful for the northern plain.</td>
<td>Library Ref O81</td>
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<table>
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<tr>
<th>British Geological Survey</th>
<th>Isle of Man solid and drift geology</th>
<th>scale 1:50,000</th>
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<tr>
<td></td>
<td>Nottingham: BGS, 2001</td>
<td>ISBN flat 0 7518 3325 8, folded 0 7518 3326 6</td>
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<td>Library Ref O88</td>
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<tr>
<th>Geological Survey of England and Wales</th>
<th>IOM Sheet 100</th>
<th>scale 1:63360</th>
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<tr>
<td></td>
<td>Southampton: Ordnance Survey, 1898, 1913, 1966</td>
<td>These sheets are a mixture of solid and drift editions and were derived from Lamplugh's survey of 1892-97, see his memoir listed below.</td>
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<th>Geological Survey of England and Wales</th>
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<tr>
<td></td>
<td>Southampton: Ordnance Survey, c.1900</td>
<td>19 sheets based on Lamplugh's survey.</td>
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<th>Institute of Geological Sciences (now British Geological Survey)</th>
<th>IOM special sheet drift edition</th>
<th>scale 1:50000</th>
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<tr>
<th>Institute of Geological Sciences</th>
<th>Isle of Man sheet 54N 06W</th>
<th>Solid Geology</th>
<th>scale 1:250,000</th>
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<tr>
<td></td>
<td>Southampton: Ordnance Survey, 1982</td>
<td>Library Ref O97</td>
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<tr>
<th>Institute of Geological Sciences</th>
<th>The Sub-Pleistocene Geology of the British Isles and the Adjacent Continental Shelf</th>
<th>scale 1:250,000</th>
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<tr>
<td></td>
<td>Southampton: Ordnance Survey, 1982</td>
<td>Library Ref O98</td>
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### GENERAL SOURCES

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<tr>
<td>ISBN 0 85272 395 4</td>
<td>Memoir to accompany 1:50,000 map issued in 2001.</td>
<td>Library Ref A224/100</td>
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<tr>
<td>ISBN 0 900717 79 3</td>
<td>This provides a summary description of the Island’s geology and geomorphology with eight excursion guides.</td>
<td>Library Ref A224/95</td>
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<tr>
<td>At over 600 pages this is still the most comprehensive guide to the Island’s geology, although it has been superceded by the 2001 BGS map and memoir.</td>
<td>Lamplugh’s maps and notes lodged with the British Geological Survey formed the basis of the 2001 1:50000 map.</td>
<td>Library Ref A224</td>
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<tr>
<td>ISBN 0 85272 396 2.</td>
<td>Popular introduction to Manx Geology with many photographs and diagrams. Includes use of stone in ancient monuments, crosses and buildings; mining, landscape, and post-ice age changes.</td>
<td>Library Ref A224/97</td>
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<thead>
<tr>
<th>Quirk D., Crowley S., Woodcock N., Morris J., Barnes R., and Burnett D.</th>
<th>Field Guide to the geology of the Isle of Man.</th>
<th>BG Exploration and Production Ltd. 1998</th>
</tr>
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<tbody>
<tr>
<td>Guide produced for delegates to the conference ‘In sight of the suture and future hydrocarbon potential of the Irish Sea’ it includes the Manx, Dalby, Peel and Castletown groups and solid geology of northern plain.</td>
<td>Library Ref A224/76q</td>
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<tr>
<td>ISBN  0 85323 036 6</td>
<td>Chapter 2, The Manx Landscape pp 10-17</td>
<td>Chapter 4, The Quaternary Ice Age: an historical perspective pp 40-54</td>
</tr>
<tr>
<td>Chapter 3, Solid geology pp 18-39</td>
<td>Chapter 5, Late glacial and Post glacial environmental history pps 55-76</td>
<td>Library Ref F68/8</td>
</tr>
</tbody>
</table>
**MANX GROUP (MANX SLATES) & DALBY GROUP**

Ford T. D., Quirk D., and Burnett D.
The Manx Group of the Isle of Man.
A good introduction to the complex geology of the Manx Group and Dalby Group
Library Ref A224/104

In Sight of the Suture: the Palaeozoic geology of the Isle of Man in its Iapetus Ocean context.
ISBN 1 86239 046 0
Source for all aspects of the age, composition, structure and previous literature on the Manx Group and reclassification of the Dalby Group as Silurian.
Library Ref A224/84

**PEEL SANDSTONE**

Crowley, S. F.
Lithostratigraphy of the Peel Sandstones, Isle of Man.
In *Mercian Geologist* 1985 vol 10, pp 73-76.
Letter to the editor with list of references.
Library Ref A224/42q

Douglas: 1998
Produced for the use of delegates to the conference held at the Manx Museum in April 1998 pp. 22-28 refer to the Peel sandstones.
Library Ref A224/76q

Piper, J.D.A. & Crowley, S.F.
Palaeomagnetism of (Palaeozoic) Peel Sandstones...
In In Sight of the Suture pp. 213-225
Library Ref A224/84

**CASTLETOWN LIMESTONE**

Dickson, J. A. D., Ford T. D. and Swift, A.
The stratigraphy of the Carboniferous rocks around Castletown, Isle of Man.
Library Ref A224/42q

Lewis, H.P.
The Avonian succession in the south of the Isle of Man
Library Ref A224.13(7)

**QUATERNARY: ICE AGE AND RECENT**

Chiverrell, R.C. Thomas, G.S.P. & Harvey, A.M.
Late Devensian and Holocene landscape change in the uplands of the Isle of Man
In *Geomorphology* 2001 Vol. 40 pp. 219-236
Library Ref A224/94

Dackombe, R.V. & Thomas G.S.P.
Field Guide to the Quaternary of the Isle of Man
Cambridge: Quaternary Research Association, 1985
ISSN 0261 3611
Produced to accompany the Annual Field Meeting held at Douglas April 1985
Library Ref A224/38

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The natural arch at Langness, a popular subject for visitors as depicted in this early 1900s picture
[Library Ref: Photographs - Geology]
Dackombe, R. V. and Thomas, G. S. P.
Glacial deposits and Quaternary stratigraphy of the Isle of Man.
In Ehlers, J., Gibbard, P and Rose, J (eds) Glacial deposits of Great Britain and Ireland.
Rotterdam: Balkema 1991 pp333-344
Offprint Library Ref A224/51q

Gonzales, S; Innes, J; Huddart, D; Davey, P; and Plater, A.
Holocene coastal change in the north of the Isle of Man: stratigraphy, palaeoenvironment, and archaeological evidence.
London: Geological Society Special Publication 175, 2000 pp.343-363
Deals with the recent (i.e. Holocene) raised beach deposits of the Ayres, particularly at Pluart and Lough Cranstal where the deposits include Middle Neolithic and Bronze Age artefacts.
Library Ref A224/93

Neal, A and Roberts, C L
Applications of ground-penetrating radar (GPR) to sedimentological, geomorphological and geoarchaeological studies in coastal environments.
London: Geological Society Special Publication 175, 2000 pp.156-165
Part of this paper divides the east coast sections into fine clastic and organic sediments with an outer complex of beach ridge sands and gravels. It deals with the subdivision and sedimentary structure of the Ayres.
Library Ref A224/93

Thomas, G. S. P.
The Quaternary of the Isle of Man
Geological Journal Special Issue No. 7 pp 155-179.
Liverpool: Seel House Press, 1977
ISBN 0 902354 07 8
Gives the Quaternary stratigraphy of the NW and NE coasts of the Isle of Man.
Library Ref A224/36

Tooley, M.
Flandrian sea-level changes and a vegetational history of the Isle of Man: a review.
In Davey, P. "Man and Environment in the Isle of Man" Part 1 pp 15-24
Oxford: British Archaeology Reports 54, 1978
Library Ref F6/79q

Garrad, L. S., Bawden, T. A., Qualtrough, J.K. and Scatchard, W. J.
The Industrial Archaeology of the Isle of Man.
Newton Abbot: David and Charles 1971
SBN 7153 5440 X
A useful summary description of the Islands mines.
Library Ref F6/62

Mackay, R. A. and Schnellman, G. A.
The mines and minerals of the Isle of Man
London: 1963
This report was submitted to the Industrial Officer of the IOM Government and includes detailed summaries of all the mines and possibilities for future mining.
Library Ref B170

Radcliffe, F. J.
Manx Mines Rocks and Minerals.
Douglas: Manx Heritage Foundation, 1994
This pack of historical source material for schools and students includes a useful resource book.
Library Ref B170/18q

Geology of the Isle of Man and its offshore area
ISBN 0 85272 395 4
Detailed volume see also the map above O.88
Library Ref A224/100

The Geology of the Irish Sea.
United Kingdom Offshore Regional Report
London: HMSO, 1995
ISBN 0 11 884507 1
Includes a short section on economic geology (petroleum, salt etc).
Library Ref A224/60q

Quirk, D. G. and Kimbell, G. S.
Structural evolution of the Isle of Man and central part of the Irish Sea
Library Ref A224/74

Ahlberg, P.E. and Coates, M.I.
There's a ratfish in our cellar!
In Geology Today 1997 vol 13 pp 2023
Library Ref A224/93q
Downie, C. and Ford, T.D.
Microfossils from the Manx Slate Series.
In Proceedings of the Yorkshire Geological Society,
Library Ref A224/103(6)

Garrad, L.S.
Collections and collectors of note: The Manx Museum - shells from the Manxland Drift.
In Geological Curators Group Newsletter, 1979 pp 231-2
Library Ref A182

Gonzalez, S., Kitchener, A.C. and Lister, A.M.
Survival of the Irish Elk into the Holocene.
In Nature 15.06.2000 vol 405, pp 753-754
Library Ref A72Bq

MISCELLANEOUS

Isle of Man from the Air: a unique view of the island's spectacular and historic scenery
Duke Marketing 1999 (NTSC or PAL format)
This 78 minute video gives a good impression of the geological features of the island and would assist remote researchers who are unable to physically visit the Island it is available either direct from Duke or from local retailers.

Journals

BIBLIOGRAPHY

A detailed bibliography of geology by Eva Wilson has been published and is included in the following title which is also cited above.

Woodcock, N.H.
In sight of the Suture
pp 345-361
it is also available and can be searched on line through the Centre for Manx Studies at http://dweb.liv.ac.uk/manningah/bibs.htm

CONTACTS

British Geological Survey
Keyworth HQ, Kingsley Dunham Centre, Keyworth,
Nottingham NG12 5GG
www.bgs.ac.uk/
To purchase copies of maps and publications.

Centre for Manx Studies
http://dweb.liv.ac.uk/manningah/bibs.htm

Web Sites:
There is a wealth of information about the Isle of Man available on the Internet. The following are useful sites for geologists:

Geologist's Association
Burlington House, Piccadilly, London W1V 9AG
www.geologist.demon.co.uk

Laxey Mines Research Group
www.isle-of-man-newspapers.com/mines/
This Island based research group covers all the mines on the Island and has site tours on its site.

Manx Geological Survey
www.manxgeology.com
Launched in 2002 by Manx geologists Dr David Quirk and Dr David Burnett. It contains maps, videos and other interactive material largely based on research conducted between 1994 and 2001

Manx Note Book
http://www.isle-of-man.com/manxnotebook
This web site compiled by Francis Coakley has numerous extracts from local publications relating to Geology on the Island including edited extracts from Lamplugh's Outline of the Geology (1897) and from the Memoir dealing with general description of the Island, the Irish Elk, and economic geology (mining, descriptions of main mines and minor trials, non-metallic extractive products, soils and water supply).

The Manx National Heritage Library holds a wealth of various and extensive source material.
Staff at the library and throughout Manx National Heritage, are always pleased to hear from anyone with an interest in Manx history.

Manx National Heritage,
Douglas, Isle of Man IM1 3LY.
Tel: (01624) 648000
Fax: (01624) 648001
E-mail: library@mnh.gov.im
Website: www.gov.im/mnh

Opening times: Monday to Saturday, 10am to 5pm
Closed Sunday and for one week in January.

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The following links are useful for researchers:
British Library Newspaper Library - http://prodigi.bl.uk/nicat
British Library on-line public catalogue - http://blpc.bl.uk

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