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Torridonian And

Moine Rocks Of

Scotland

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Lewisian Torrignonian And Moine Rocks

The Lewisian, Torrignonian and Moine of Scotland are basement (Lewisian) and cover rocks formed on the eastern margin of Laurentia between about 3000 Ma and 900 Ma (i.e. Archaean into the early

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Torridonian And

Neoproterozoic). The Moine thrust separates relatively undeformed rocks to the west from those more severely deformed to the east.

The Geological Society of London - Lewisian, Torridonian ...

Moinian rocks were thrust westwards across an undeformed foreland of Archean to Lower Palaeozoic rocks but thrust slabs of

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other stratigraphic units, including Lewisian basement, were also...

Lewisian, Torridonian and Moine Rocks of Scotland ...

The Lewisian complex or Lewisian gneiss is a suite of Precambrian metamorphic rocks that outcrop in the northwestern part of Scotland, forming part of the Hebridean

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Terrane and the North Atlantic Craton. These rocks are of Archaean and Paleoproterozoic age, ranging from 3.0–1.7 billion years.

They form the basement on which the Torrionian and Moine Supergroup sediments were deposited. The Lewisian consists mainly of granitic gneisses with a minor amount of supracrustal rocks. Rocks of the ...

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Torridonian And
Lewisian complex -

Wikipedia

title = "Lewisian,
Torridonian and Moine
Rocks of Scotland",

abstract = "This
volume describes the
outcrops of
Precambrian rocks that
lie north-west of the
Great Glen in the North-
west Highlands of
Scotland and in the
Outer Hebrides and
parts of Shetland. The
rocks and their
convoluted tectonic

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and metamorphic histories chart the first 2700 million years of the geological development of Great Britain.

Lewisian, Torridonian and Moine Rocks of Scotland – The ...

The Precambrian foreland rocks, lying west of the Moine Thrust Zone of northwest Scotland, consist of a crystalline,

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Maine Rocks Of

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mainly gneissose,
basement (the
Lewisian complex)
overlain by an
undeformed or gently
tilted sedimentary
cover (the Torrionian).

Precambrian rocks in northwest Scotland west of the Moine ...

The diagram below
shows the rocks of NW
Scotland in order of
age, youngest at the
top, in a schematic

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Torridonian And
stratigraphic section.

The Moine schists have
been omitted: they
were probably
deposited at about the
same time as the
Torridonian, but when
that happened they
were far away from
their present position.

Rocks of NW

Scotland -

Stratigraphic section

Where it lies
unconformably on
Lewisian rocks, its

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Maine Rocks Of

basal beds are commonly
fanglomerates, fossil
screes and sandstones

which can be seen
filling old pre-

Torrionian valleys and
even small clefts in the
Lewisian basement;

spectacular examples
are to be seen in the
area south of
a'Mhaighdean, east of
the Fionn Loch.

Torrionian, Northern Highlands

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Terridonian And **of Scotland -**

Earthwise Rocks Of

The dominant rock type is grayish gneiss that is rich in quartz, feldspar, and iron-rich minerals. Some sedimentary-derived Lewisian rocks, especially in the region of Loch Maree and South Harris, still retain some of their original sedimentary features and indicate that the sediments were originally shales,

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Torridonian And
sandstones, and some
limestones.

Moine Rocks Of
Scotland

**Lewisian Complex |
geology | Britannica**

The Moine Thrust Belt or Moine Thrust Zone is a linear tectonic feature in the Scottish Highlands which runs from Loch Eriboll on the north coast 190 kilometres (120 mi) south-west to the Sleat peninsula on the Isle of Skye. The thrust belt consists of a series of

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Torrignonian And

Moine Thrusts Of
Scotland

thrust faults that
branch off the Moine
Thrust itself.

Topographically, the
belt marks a change
from rugged, terraced
mountains with ...

Moine Thrust Belt - Wikipedia

Lewisian Gneiss, like
that found underneath
the Torrignonian and
Cambrian. The Moine
Thrust itself, with its
overlying Moine
Schists, lies at a higher

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level, appearing at the surface further to the east of Loch Glencoul.

Rocks of NW Scotland - Loch Glencoul

After the Lower Palaeozoic thrusting events of the Caledonian Orogeny, which affected the Lewisian Gneiss, the Torridonian sedimentary rocks, the Tarskavaig (Moine) Schists, and the

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Main Rocks Of

Scotland

Cambro-Ordovician succession, there is a gap in the geological column of the Skye area, until the Triassic System is reached.

Pre-Palaeogene rocks of the Isle of Skye - Earthwise

Moine (North) Moine
(Central) Moine (South)

Lewisian and Moine of
Shetland. Summary

This volume describes
the outcrops of
Precambrian rocks that

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Main Rocks Of
Scotland

lie north-west of the Great Glen in the North-west Highlands of Scotland and in the Outer Hebrides and parts of Shetland. The rocks and their convoluted tectonic and metamorphic histories chart the first 2700 million years of the geological development of Great Britain.

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Torridonian and**

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Moine rocks of Scotland in ...
'The Assynt region, NW Scotland, is a world-famous site to view the Moine Thrust Zone and its foreland geology of metamorphic Lewisian basement overlain by red-bed deposits of the Torridonian and the Cambro-Ordovician shelf sequence.'

Lewisian | Definition of Lewisian by Oxford Dictionary on

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In: Lewisian,
Torridonian and Moine
rocks of Scotland.

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Conservation Review
Series, volume 34, Joint
Nature Conservation
Committee,
Peterborough,
494-498.

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Torridonian And
**Loch Monar: Contorted rocks of
ancient Caledonian**

...

Here, the exposures are bounded to the east by the Moine Thrust and to the west by the sea. The rocks in this region are referred to as the Scourian Complex. Three main regions exist: Northern, Central and Southern, with the Central region lying

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between Scourie and
Gruinard Bay.

Scourie - Scotland - the home of geology

Lewisian gneisses and
migmatites (Archean)
are overlain
unconformably by
Torridonian sandstone
(Proterozoic). The
roadcut adjacent Loch
Assynt is west of the
Moine Thrust complex;
both rock assemblages
are part of the ancient
Laurentian continental

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block. The three thumbnail images below are from the same general location.

Torrignonian on Lewisian Archives - Geological Digressions

They form the basement to both the Torrignonian Supergroup and the Moine Supergroup of the Northern Highlands Terrane, in the hanging wall of the Moine

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Torrigenous And

Torrigenous Supergroup

is of Neoproterozoic age and consists

mainly of sandstone with a maximum

preserved thickness of over 8 km.

Moine Thrust Belt - v frdtyky.blogspot.com

The Moine Thrust Belt forms the outer edge of the Caledonian mountain belt in northern Scotland,

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Scotland

separating the polydeformed and metamorphosed orogenic interior of Moine and Dalradian rocks from the undeformed foreland of the Lewisian. As such, the thrust belt defines the NW limit of the Ortho-Caledonides.

**Moine Thrust Belt -
general information
- University of Leeds**
Cambrian-Torridonian-
Lewisian rocks), the

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variable distribution of
Torridonian sediment
and the difference in
type of Lewisian
basement therefore some
important structural
considerations (see
4.2, 4.3, 5.1-8), 2.2.
Above the Moine thrust
Typical Moine
metasediments,
arkosic and showing
occasional

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Torridonian And

cd98f00b204e9800998

ecf8427e. Rocks Of

Scotland