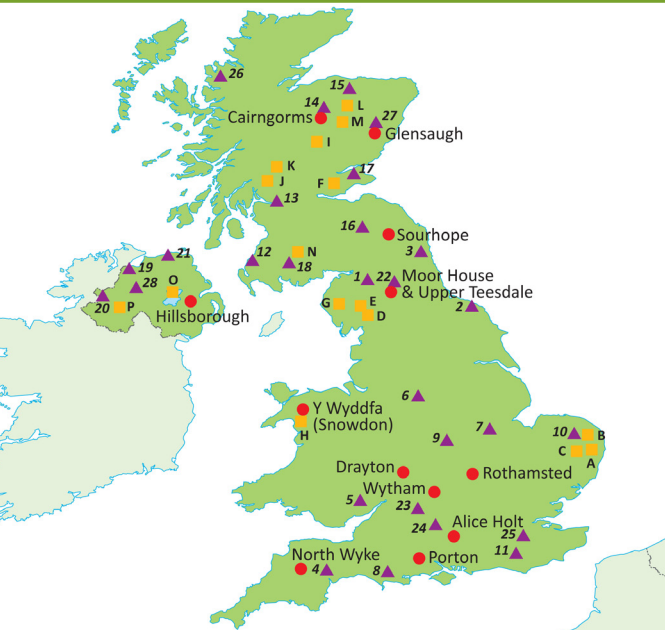


# UK ECN Field Sites



## ECN TERRESTRIAL SITES

● - Each terrestrial station is named on the map

## ECN RIVER SITES

▲ - Each river station is indicated by the number listed below

1	Eden (Cumbria)	15	Spey (Fochabers)
2	Esk	16	Tweed (Galafoot)
3	Coquet	17	Eden (Fife)
4	Exe	18	Cree
5	Wye	19	Faughan
6	Lathkill	20	Garvary
7	Cringlake Brook	21	Bush
8	Frome	22	Trout Beck (Moor House)
9	Bradgate Brook	23	Coln
10	Bure	24	Lambourn
11	Old Lodge	25	Eden (Kent)
12	Stinchar	26	Ewe
13	Lower Clyde	27	Birnie Burn
14	Allt a'Mharcaidh	28	Owenkillew River

## ECN LAKE SITES

■ - Each lake station is indicated by the letter listed below

A	Upton Broad	I	Lochnagar
B	Hickling Broad	J	Loch Lomond
C	Wroxham Broad	K	Loch Katrine
D	Windermere	L	Loch Davan
E	Eshwaite Tarn	M	Loch Kinord
F	Loch Leven	N	Loch Dee
G	Scoat Tarn	O	Lough Neagh
H	Llyn Llgi	P	Lough Erne



The James  
**Hutton**  
Institute

**Aberdeen**  
Craigiebuckler  
Aberdeen AB15 8QH  
Scotland UK

**Dundee**  
Invergowrie  
Dundee DD2 5DA  
Scotland UK

Tel: +44 (0)844 928 5428  
Fax: +44 (0)844 928 5429

info@hutton.ac.uk  
www.hutton.ac.uk

## Sponsors

The ECN is supported by the Scottish Government  
RESAS under its Underpinning Capacity funding.

## Photographs

Thanks to Gabor Pozsgai and Carol Taylor.



The Scottish Government funds  
research at the James Hutton  
Institute on the multiple benefits  
of land management to society.



The James  
**Hutton**  
Institute

# The Environmental Change Network



**Monitoring the effects of  
environmental change on  
UK ecosystems**

# About ECN

The Environmental Change Network (ECN) has been in operation since 1992 and consists of a combination of terrestrial and aquatic sites spanning the UK.

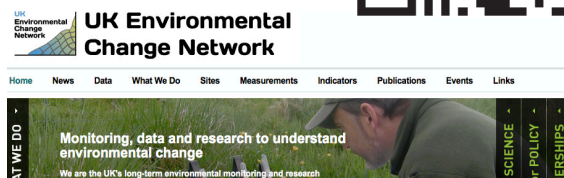
The 57 sites reflect the diversity of UK ecosystems, including mixed woodland, heather moorland, lowland agriculture, mountain streams and upland and lowland rivers and lakes. At each site a range of measurements are made following standard protocols, generating unique, freely available, integrated data with which to examine long term trends. Many ECN sites support a wide range of research, supported by ECN's long-term data.

Measurements made at ECN sites include:

- meteorology
- chemistry of water, soils and air
- water discharge
- changes in land use or site management
- birds, bats and frogs
- vegetation
- freshwater invertebrates
- moths, butterflies, and ground beetles.

Full details of ECN can be found on the ECN website:

[www.ecn.ac.uk](http://www.ecn.ac.uk)



# ECN Site Facilities

The ECN sites at Glensaugh and Sourhope are managed by the James Hutton Institute. Both sites provide excellent locations for environmental research as they are well instrumented, provide knowledgeable site staff and a wealth of long term data such as water level data and meteorological data which are available at:

[www.hutton.ac.uk/ecn](http://www.hutton.ac.uk/ecn)

## Glensaugh

Glensaugh Research Station is located to the south west of Aberdeen, on the edge of the Grampian hills and covers over 1100 hectares.

Recent research topics, underpinned by ECN data, include:

- dissolved organic carbon (DOC) dynamics in upland soils
- groundwater chemistry
- stream metabolism
- use of unmanned aerial vehicles to assess vegetation change
- riparian management and ground beetle populations.



## Sourhope

Sourhope lies to the south east of Kelso on the western slopes of the Cheviots and covers an area of approximately 1100 hectares.

ECN data are used in the following research areas:

- dissolved organic carbon (DOC) dynamics in upland soils
- use of unmanned aerial vehicles, remote cameras and image analysis tools to measure topographical change
- assessment of effectiveness of Natural Flood Management features (as part of the wider Bowmont Catchment study)
- ecosystem service assessment.

*The ECN site at Sourhope is managed by the James Hutton Institute with consent and support from Roxburghe Estate.*



## ECN Collaboration

The ECN network is operated by a large consortium of partners and sponsors. We welcome collaboration from scientists and students and would be pleased to support research at our sites.

For more details: [helen.watson@hutton.ac.uk](mailto:helen.watson@hutton.ac.uk)