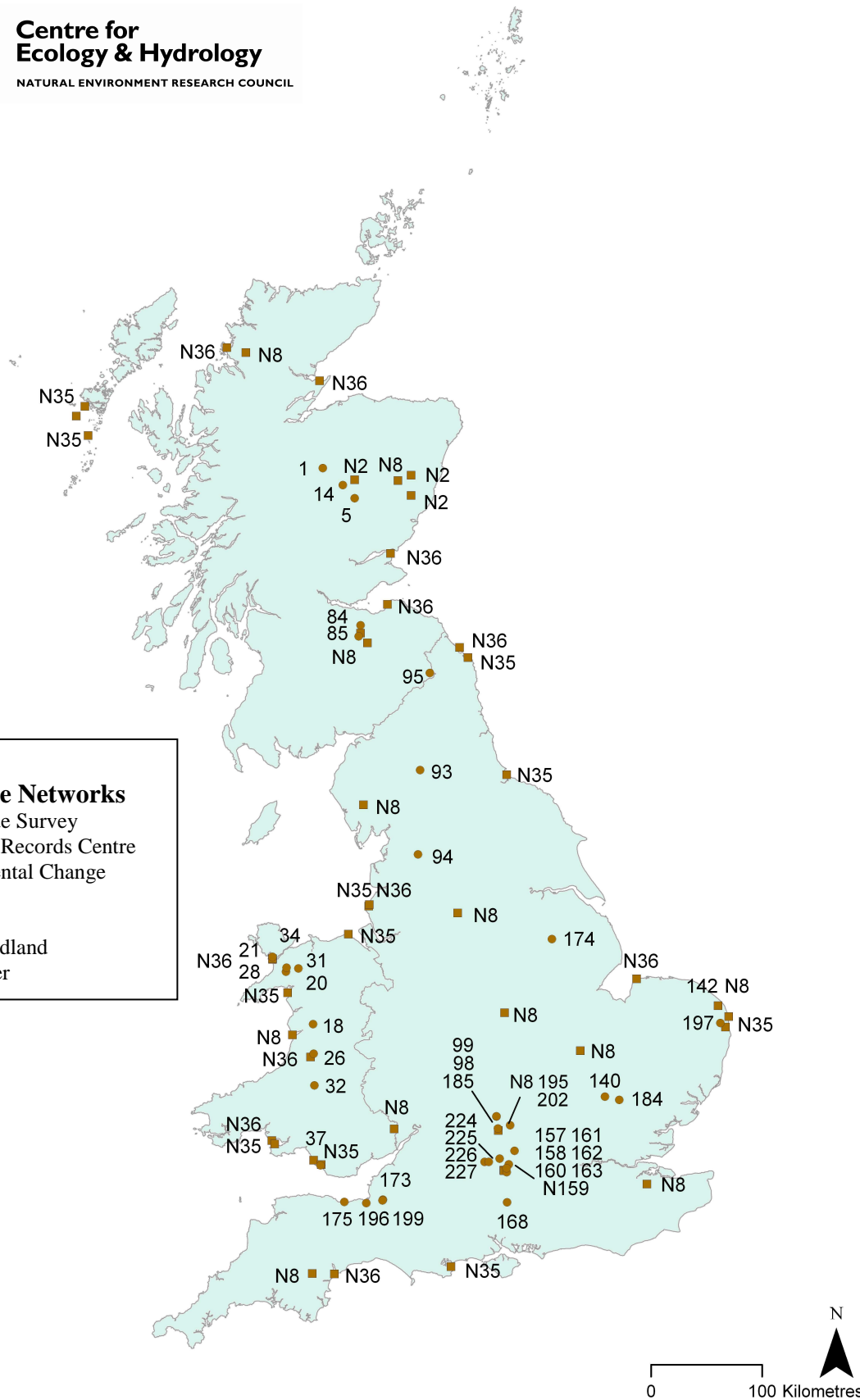


Centre for Ecology & Hydrology Monitoring Sites Map 2: Soils Monitoring



PLUS
Country wide Networks
 GB2 Countryside Survey
 GB3 Biological Records Centre
 GB5 Environmental Change Network
 GB29 Spruce
 GB30 Oak Woodland
 GB91 Soil/Water



Site	Name	Type	Category	Habitat/site key words	Main science objective	Age
GB2	Countryside Survey	Monitoring	CORE	591 sites across all habitats	Audit of the UK's natural resources: changes in Land cover, Habitats, landscape,	1971
GB3	Biological Records Centre	Monitoring	CORE	Not site specific - records by voluntary groups	Terrestrial and freshwater species recording (excluding birds) to give wildlife distribution	1964
GB5	Environmental Change Network	Monitoring	CORE	57 sites across all habitats	Gathers information about the pressures on and responses to environmental change in physical, chemical and biological systems	1993
GB29	Spruce age survey	Monitoring	HISTORIC	Coniferous forest (20)/acid grassland	To determine changes in biogeochemical cycling over 1 stand rotation	1990 -
GB30	Oak woodland survey	Both	HISTORIC	Oakwoods (x 19)	Biogeochemistry of native oak stands including impact of N deposition	1995 -
GB91	Soil water monitoring sites	Monitoring	OTHER	Grassland, woodland, heather moor	Soil and water chemistry	2005
1	Cairngorms ECN Site, Allt a'Marcaidh catchment	Monitoring	CORE	Montane heath & pine wood.	Monitoring indicators of environment change	1999 as ECN site
5	GLAS MAOL	Manipulation	MAJOR	Montane Heath	Long-term study on the impact of grazing and nitrogen deposition on vegetation	1998
14	THISTLE (C02427)	Manipulation	OTHER	Birch woodland	Impact of cattle introduction to birch woodland on invertebrate communities and trophic interactions.	2003
18	Plynlimon hydrochemistry	Both	CORE	upland acid grassland / conifer forest	Impacts of air pollution, management and climate on biogeochemical cycling.	1979
20	Upper Conwy carbon	Monitoring	CORE	Moorland blanket bog, upland lake	Measuring riverine carbon loss from a blanket peatland and an upland lake	2000
21	Beddgelert Forest	Monitoring	MAJOR	Coniferous woodland	Monitoring and understanding environmental change in acid-sensitive upland waters	1982
26	Pwllpeiran experiment	Manipulation	MAJOR	Acid grassland	Interaction between nitrogen deposition and grazing pressure	1996
28	Aber Forest	Manipulation	HISTORIC	Coniferous woodland	To determine the impact of N deposition in spruce stands	1990 -
31	Cwellyn forest	Manipulation	HISTORIC	Coniferous woodland	Impact of PK fertiliser to Sitka spruce forest and nitrate leaching	1990 -
32	Brianne		HISTORIC	Range of upland habitats	Biogeochemistry of different upland habitats and impacts of liming	
34	Newborough N x grazing	Manipulation	MAJOR	Sand dune grassland	Nitrogen/Grazing impacts on dune vegetation and soil processes	2003
37	Merthyr Mawr	Monitoring	OTHER	All major dune habitats	Establish Nitrogen budget for dune habitats	2004
84	House O' Muir	Monitoring	CORE	Upland grassland	Effect of cultivation on soil carbon balance	2005
85	Whim bog	Manipulation	CORE	Ombrotrophic bog	Effects of air pollutants on plants; critical loads and levels	2001
93	Moor House - Upper Teesdale National Nature Reserve	Monitoring	CORE	Blanket Bog, marginal agricultural land, montane grassland, woodland	Monitoring of climate, air, soil, precipitation, biodiversity. Carbon flux research.	1954
94	Gisburn Forest	Manipulation	HISTORIC	Forest species experiment	Carbon fluxes	1955
95	Sourhope	Manipulation	OTHER	Upland grassland	Carbon fluxes	1999
98	Wytham ECN site	Monitoring	CORE	Woodland, grassland, agricultural land, fen	Long-term monitoring of environmental change, particularly effects of climate change, air pollution and management on soils, waters, plant communities and animal populations	1992
99	Wytham Climate Change Experiment	Manipulation	HISTORIC	Ex arable calcareous grassland	Test effects of drought and warming on plant and invertebrate communities and soil	1993-2004
140	Great Chishill	Monitoring	MAJOR	Grassland, arable, lowland	Biodiversity	1986
157	Sheepdrove Farm	Monitoring	MAJOR	Chalk grassland	Lowland evaporation fluxes	2003
158	Beche Park Wood	Monitoring	HISTORIC	Deciduous woodland	Forest processes and recharge	2003
160	Highfield Farm	Monitoring	HISTORIC		Lowland chalk flow processes	2003
161	West Ilsley	Monitoring	HISTORIC	Arable on Chalk		2003
162	Pounds Farm / Stancombe	Monitoring	HISTORIC	Chalk	Lowland chalk flow processes	2003
163	Frilsham Meadow	Monitoring	MAJOR	Floodplain wet grass	Stream groundwater interaction	2003
168	Blackwood	Monitoring	MAJOR	Deciduous woodland	Long-term changes of soil water under beech wood	1998
173	Tadham	Monitoring	HISTORIC	Wetland	Water, carbon and energy fluxes of wetlands	
174	Brattleby	Monitoring	OTHER	Energy crop	Water, carbon and energy fluxes of energy crops	2006
175	Watchett	Monitoring	OTHER	Energy crop	Water, carbon and energy fluxes of energy crops	2006
184	Fleam Dyke	Monitoring	OTHER	Grassland	Water balance	
185	Wytham Woods	Monitoring	CORE	Deciduous woodland	Forest processes	
195	Otmoor	Manipulation	OTHER	Wet grassland	Impact of shallow channels on breeding wader habitat	2004
196	Pawlett Hams	Manipulation	OTHER	Wet grassland	Impact of shallow channels on breeding wader habitat	2004
197	Berney	Manipulation	OTHER	Wet grassland	Impact of shallow channels on breeding wader habitat	2004
199	Tadham Moor	Monitoring	MAJOR	Wet grassland	Impact of raised water level schemes.	>10 years
202	Castle Meadows	Monitoring	OTHER	Floodplain wetland	Impact of water control structures on hydrology and ecology.	2004
N2	MOORCO	Manipulation	CORE	Moorland and birch woodland	Long-term large scale manipulation of herbivore impacts and vegetation change	2005
N8	Heavy Metals (C02164)	Monitoring	CORE	Birch woodland	Long-term meteorological data and pollutants	20 years
N35	Sand dune N deposition survey	Monitoring	OTHER	All major dune habitats	Detect signals of N deposition in dune soils and vegetation	2002
N36	Rare species in sand dunes	Monitoring	OTHER	Dune slacks and dune grassland	Establish soil requirements of dune rarities, and model Nitrogen impacts	2006
N159	Grimsbury Wood	Monitoring	MAJOR	Deciduous woodland	Forest processes and recharge	2003

Notes
 1. Site Map Number preceded by 'GB' indicates the network is across Great Britain and has too many sites to show on the map or is site non-specific
 2. Site Map Number preceded by an 'N' indicates the site is part of a network of greater than 20 sites. Not all sites may be indicated on the map if they are insufficiently far apart to be resolved
 3. Category: CORE a site that is an integral part of NERC and CEH strategy; MAJOR a site that has significant and long term investment of greater than 4 years; OTHER all other operational sites; HISTORIC sites that are no longer operational but with stored data/samples available
 4. Type: Monitoring is a site at which data is recorded; Manipulation is a site at which experimental work is possible