

Index

Page numbers in *italics* refer to Figures and page numbers in **bold** refer to Tables

- Abhainn Bad a' Chròtha 94
Abhainn Bràigh-Horrisdale 95
accretionary lapilli 9–10, 65, 66, 72
Achduart 33, 76
Achduart Member 33, 75, 78, 79, 80, 84
Acheninver Lodge 77
Achiltibuie 6, 9, 13, 30, 33, 53, 71, 73
Achiltibuie sub-area 76–78
Achmore 81
A'Clach Thuill 57, 61, 64
acritarchs *see* microfossils
aeolian sands 9, 63, 76
ages
 basement 12, 21
 detrital 41–42
 Sleat Group 27–28
 Stoer Group 21–22
 Torridon Group 41–42, 45–46
Aird Mhor 104
albitization
 Sleat Group 26–27
 Stoer Group 17–18, 47
 Torridon Group 36–37, 47
Alligin 32, 103
Alligin sub-area 101–102
Allt a' Choin 111
Allt an Teanga Odhair 109, 100
Allt Coire Gasgain 109
Allt Eilean 108
Allt Loch na Doire Móire 96
Allt Mór 94
Allt Mór na h-Uamh 115
Allt Mór na h-Uamh Member 113, 115
Allt Reireag 108
Allt Rubha na Moine 115
Allt na Béiste Member 93, 94, 95, 99, 100, 102, 103, 107–108
alluvial fans
 unconfined 8–9, 32–33
 valley-confined 6–8, 32
A'Mhaighdean 32
an Achaidh, Loch 56
an Doire Dhuibh, Loch 74, 75
An Dubh Laimhrig 113, 114
an Eich Dhuibh, Loch 32
An Grianan, 53
An Socach 53
An Teallach 30
An Torr 98, 112
An Uaile 63
An Uaile conglomerate 56, 63
an Uachdair, Loch 108
Annat Bay 81, 104
Applecross 30, 39
Applecross Formation
 facies 32–34, 54
 geochemistry 25, **38**, **39**, 75
 graphic logs 54, 55, 80, 95, 103, 106, 112, 114
 mineralogy 20, 38, **39**
 palaeoclimate 43
 palaeocurrents 33, 53, 54, 56, 71, 75, 78, 80, 81, 84, 88, 95, 100, 104, 105, 106, 108, 112, 113
 palaeomagnetism 113
 pebbles 40–42
 regional outcrops
 Achiltibuie 76, 78
 Applecross 104–105
 Cailleach Head 79
Cape Wrath 33, 36, 38, **41**, 44, 54
Diabaig 100–101
Enard Bay 73
Gairloch 94–95
Inveralligin 102
Isle Ristol 75
Quinag 56
Raasay 108
Rubha Mór 87–88
Rubha Stoer 56
Sleat of Skye 112–113
Soay 114–115
Stoer 70
 Torridon, Loch 103–104
source 40–42
stratigraphy 29, 30
Applecross sub-area 104–106
⁴⁰Ar/³⁹Ar ages 41
Archaean basement
 geochemistry 12–13
 mineralogy **13**
Ard Ban 105
Ardheslaig 96
Arnish, Loch 106, 108
Assynt 31, 62
Assynt, Loch 56
atmospheric composition 31–32
Aultbea 30, 34, 38, 39, 75
Aultbea Formation
 age 45
 facies 29, 34, 88
 geochemistry **38**, **39**
 graphic logs 76, 89, 105
 mineralogy **38**, **39**
 palaeocurrents 34
 palaeomagnetism 105–106
 regional outcrops
 Applecross 105–106
 Aultbea 88
 Longay 109
 Rum 115
 Summer Isles 75–76
 source 34, 36
 stratigraphy 29, 30
Aultbea sub-area 87–89
azurite 56

Bac an Leth-choin 6
Bac an Leth-choin sub-area 92
Bad a' Ghaill 74, 75
Bad a' Ghaill, Loch 33
Badachro 94, 95
Badenscallie 77
Badentarbat 30, 75
Badluchrach 86
bajadas
 Stoer Group 8–9
 Torridon Group 33–34
Balchladich Bay 56
Balgy River 102, 104
Baosbheinn 95
basement
 age 12, 21
 geochemistry 11–12, 36
 mineralogy 12, **36**, **37**
 relief 5, 23, 29–31, 73, 74, 76, 84, 86, 94, 96, 102, 107, 115
 weathering 5, 17–18, 19, 30–31, 53, 71, 74
basin analysis
 Sleat Group 27
 Stoer Group 19–20, 47
 Torridon Group 43–45, 47, 49
Bay of Stoer 59, 64
Bay of Stoer Formation
 facies 8–9, 64–68
 geochemistry 16, **17**
 graphic logs 9, 56, 92
 mineralogy 16
 palaeoclimate 18–19
 palaeocurrents 6, 7, 20, 59, 64, 66, 68,
 palaeomagnetism 18
 pebbles 16, 56
 regional outcrops
 Bac an Leth-choin 92
 Gruinard Bay 86–87
 Poolewe 90–92
 Stattic Point 84–85
 Stoer 64–68
 source 16
 stratigraphy 5–6
Beinn Bhreac 95, 111
Beinn Bhreac Member 113, 114
Beinn Dearg, Loch 88
Beinn na Seamraig Formation
 facies 24
 geochemistry 25
 graphic log 111
 mineralogy 24
 outcrops 110–111
 palaeocurrents 24
Beinn Shieldaig 104
Ben Dreavie sub-area 54
Big Sand fishing station **39**, 95
Blackrock 117
Blackrock Formation 117
boron
 in illite 10, 12, 32, 67, 68, 100
 in Holocene stream sediment 42, 45
Bowmore Group 117
Bowmore sub-area 116–117
braids
 Applecross Formation 34
 Kinloch Formation 24
Bràigh-Horrisdale, Loch 95
breccia
 Sleat Group 23
 Torridon Group 32, 35–36
breccio-conglomerate
 Stoer Group 6–7, 12–13, 57, 63, 89
Brochel Castle 107, 108
Brochel Member 106, 107, 108
Broom, Loch 33, 81
burial history 47–49

Cailleach Head 6, 30, 35, 39, 82, 83
Cailleach Head Formation
 cyclothem 34–35
 facies **35**, 79–81
 geochemistry 36, **39**
 graphic logs 82, 83
 stratigraphy 29–30
Cailleach Head sub-area 78–81
calcite pseudomorphs 67
Cam Loch 73
Camas a' Chlarsair 103
Camas Fhionnairidh 113
Camas Mòr 93
Camas na h-Airigh 95
Camas na h-Àtha 115
Camas na Nighinn 104
Camas na Ruthaig 79
Camusunary 30
Camusunary fault 113
Camusunary sub-area 113

- Canapress 101, 102
 Canisp 31, 62, 73
 Canna sub-area 116
 Caolas Fladday Member 108
 Cape Wrath 29, 30, 31, 33, 36, 37, 38, 43, **41**, 44, 54
 Cape Wrath Member
 facies, 54
 geochemistry 36, 39, 55
 mineralogy 38
 palaeocurrents 33, 54, 56
 Cape Wrath sub-area 53–54
 carbonate nodules 12, 69
 carbonate sheets 8, 58, 59, 61
 Carn Breac 105
 Carn Dearg 78, 95, 105
 Carn Dearg Ailean 85, 86
 Carn Dearg na h-Uamha 85
 Carron, Loch 104, 109
 Ceann a' Chàrnaich, Loch 92
 chalcocite nodules 64
 chemical index of alteration (CIA)
 Sleat Group 27
 Stoer Group 15–16
 Torridon Group 38–39
 chert pebbles 41, 87, 100, 108, 115
 Clachtoll 8, 12, 19, 20, 57–60, 60–63, 64, 65
 Clachtoll, Bay of 59, 60, 64
 Clachtoll fault 62
 Clachtoll Formation
 contemporary faults 19, 64
 facies 6–8, 57–60
 geochemistry 12–16
 graphic logs 56, 59, 60, 92
 mineralogy 6, 13, **14**
 palaeocurrents 5, 6, 7, 20, 59, 89
 regional outcrops
 Achiltibuie 76
 Bac an Leth-choin 92
 Cailleach Head 79
 Clachtoll 57–60
 Clashnessie 63
 Enard Bay 71–72
 Gruinard Bay 86
 Poolewe 89–90
 Port Cam 63–64
 Stattic Point 84
 source 12–16
 stratigraphy 5, 6, 7
 Clashnessie 57, 63
 Cluas Deas 56
 Cnoc Badan na h'Earbarg 87
 Cnoc Breac 68
 Cnoc Sgoraig 78, 81
 Coigach 36, **38**, **41**, 55, 75
 Coigach fault 5, 56, 71, 75, 78, 79, 80, 84, 86, 87
 Coire Doire na Seilg 113
 Coire Liath Mhór 102
 Coire na Bà 105
 Colonsay Group 116
 colour defined 2
Conophyton 67, 68
 copper mineralization 56, 68, 106, 108
 Creag a' Chadha 84
 Creag an Eilean 88
 Creag an Fhithich Mór 88
 Creag Ghorm 104, 105, 106
 Creag na h-Iolair 115
 Creag Strollamus 108
 Creagan Mór 73
 Crowlin Islands 104, 105–106
 cryptarchs *see* microfossils
 Cuaig 105
 Culduie 105
 Cùl Mòr 30, 32, 75
 Culkein, Bay of 56, 57, 70, 71
 cyanobacterial mats 9
 cycles 9
 cyclothems 34–35, 80, 82, 83
 desiccation cracks 8, 9, 11, 23, 32, 58, 59, 63, 65, 68, 69, 71, 87, 93, 100, 102, 107, 115
 Diabaig 32, **36**, 37, **39**, 107
 Diabaig Formation
 facies 32, 98–100, 107, 115
 geochemistry **39**
 graphic logs 55, 92, 93, 94, 97, 98, 99, 100, 106, 107, 113
 mineralogy 35–36, **37**
 palaeoclimate 43
 palaeocurrents 32, 56, 73, 77, 97, 100, 102, 108, 115
 regional outcrops
 Achiltibuie 76–78
 Camusunary 113
 Diabaig 96–101
 Enard Bay 73
 Fladday 108
 Gairloch 94
 Inverpolly 74–75
 Raasay 106–108
 Rubha Réidh 93
 Rum 114
 Quinag 55
 Scoraig 81
 Stattic Point 86
 Stoer 70
 Torridon, Loch 101
 Veyatie, Loch 73
 source 32, 35–36
 sodium metasomatism 36
 stratigraphy 29, 30
 Diabaig sub-area 96–101
 diamictite 19, 59
 Doire Dhuibh 75
 Doire na h-Airbhe 75
 Dornie 75, 76
 Droman 53
 dropstones 19, 72
 Dubh Lochan 72
 Dundonnell 29, 30, 84
 dykes, sandstone 19–20, 56, 60–63, 86, 95–96, 97
 Eigg 116
 Eilean Beag 105
 Eilean Dubh 76
 Eilean Mullagrach 75
 Eishort, Loch 111, 112
 Elphin 75
 Enard Bay 5, 6, 9, 10, 19, 32, 70, 76
 Enard Bay facies 73
 Enard Bay sub-area 71–73
 environment of deposition
 Sleat Group 23–24
 Stoer Group 6–9
 Torridon Group 32–34, 36
 epidote
 Iona Group 116
 Sleat Group 109
 Stoer Group 13, 60, 71, 92
 Torridon Group 36, 42, 47, 49, 106
 Epidotic Grit and Conglomerate 109
 facies
 defined 2
 Sleat Group 23–24
 Stoer Group 6–9
 Torridon Group 32–34
 fan delta 23
 Fasag fault 30, 102
 Feadan Mòr 92
 Fearnmore 105
 Féith an Fheóir 81
 fence diagrams
 Sleat Group 26
 Torridon Group 39
 Fernaig 109
 Fiachanis Sandstone Member 113, 114–115
 Fladday 106–108
 formation defined 2
 fossils *see* microfossils
 francolite 32
 Fuar Loch More 32
 Gairloch 30, 38, **41**, 62
 Gairloch, Loch 95
 Gairloch sub-area 93–96
 Gaineamhach, Loch 95
 Gainmheich, Loch 74
 Garbh Choire 95
 Garvie River fault 73
 geochemistry
 Sleat Group 24–27
 Stoer Group 12–18
 Torridon Group 35–39
 Geological Survey mapping 3
 Ghiuragarstidh, Loch 89, 90, 91
 glaciation 2, 18, 19, 59
 Glame Member 107, 108
 Glas Eilean 108
 Glas-leac Beag 76
 Glen Arroch 111
 grain size defined 2
 Grenville orogeny 1, 22, 44, 47, **48**, 50
 Griana-sgeir 108
 group defined 2
 Gruinard Bay 6, 7, 8, 59
 Gruinard Bay sub-area 86–87
 Gruinard Island 80
 Guirdil Bay 115
 gypsum 11, 59, 67, 69, 87
 Handa 30, **41**
 Handa sub-area 54
 Hawkes Bank 116
 Heast 112
 hematite
 Stoer Group, 19–20, 64
 Torridon Group 42–43, 108, 112
 history of research 2–3
 Horse Island 8, 59, 76
 Horse Sound 53
 hydroclastic eruption 9–10
 illite 10, 31, 32, 37, 47, 49, 67, 68, 100
 Innis nan Gobhar 87
 Inveralligin 102
 Inverewe 92
 Inverianvie River 87
 Inverpolly Forest 31, 32, 53
 Inverpolly Forest sub-area 74–75
 Iona Group 116
 Iona sub-area 116
 Isle Ristol 30
 Isle Ristol sub-area 75–76
 jasper pebbles 41, 92, 94, 95, 102, 105, 108, 112
 K/Ar ages 1, 3, 21, 42
 K/Rb ratio
 basement 11, **12**
 Sleat Group 24, **25**, 26
 Stoer Group 13–15
 Torridon Group **38**
 Kernsary, Loch 90, 92
 Keweenawan apparent polar wander track 48, 49

- Kinloch 111, 112
 Kinloch Formation
 facies 24
 geochemistry 25, 26
 graphic log 111
 mineralogy 24
 outcrop 111–112
 palaeocurrents 24
 Kinlochbervie 53
 Kishorn, Loch 104
 Kishorn nappe 23, 27, 117
 K₂O–Na₂O plot 12
 Kylesha 23
 Kylesku Ferry 55
- La/Th ratio 13, 40
 lacustrine deposits *see* lake deposits
 Laggan Formation 117
 Laimhrig Shale Member 113, 115
 lake deposits
 Aultbea Formation 34
 Cailleach Head Formation 35
 Diabaig Formation 32
 Poll a' Mhuilt Member 10–11, 66–68
 Rubha Guail Formation 23
 lapilli 9, 10, 15, 16, 65, 66, 72
 lateral persistency defined 2
 Laxfordian orogeny 12, 104
 Leac an Ime 84, 85, 86
 Leac Faoileann Member 113, 114
 Leac nam Faoileann 114
 Leac Stearnan Member 113, 114
 Lewisian basement *see* basement
 Liathach 102, 103
 limestone
 Clachtoll Formation 58, 59
 Poll a' Mhuilt Member 11, 67, 68
 Linneraineach 75
 liquefaction, Torridon Group 34, 96
 lithostratigraphy 2
 Little Gruinard 86
 Little Loch Broom 33, 81
 Little Loch Broom fault 85
 Loch an Uachdair Member 107, 108
 Loch Gruinard fault 117
 Loch Maree fault 92
 Loch na Dal Formation
 facies 23
 geochemistry 25, 26
 graphic logs 110
 mineralogy 24, 25
 outcrops 109–110
 palaeocurrents 24
 Loch Skerrols thrust 117
 Loch Veyatie sub-area 73
 Lochan Bad an Scalaig 96
 Lochan Fada 73
 Lochan nam Breac 94
 Lochan Sgeireach 95
 Longay 105, 108–109
 Losguinn, Loch 89
 Lower Fladday Member 108
 Lurgainn, Loch 53, 74, 75
- Maree, Loch 30, 89
 maar volcanoes 11, 21
 MacCulloch, John 2
 magnetite
 Stoer Group 18, 20
 Torridon Group 42–43, 112
 malachite 108
 martite 18, 42–43, 93
 Meall an Tuim Bhuidhe 95
 Meall Aundry 96
- Meall Dearg Formation
 facies 8–9, 68–69
 geochemistry 16–17, 18
 graphic logs 56, 58
 mineralogy 16–17
 palaeocurrents 6, 20, 70, 72, 93
 regional outcrops
 Enard Bay 72
 Rubha Réidh 93
 Stoer 68–70
 source 16
 stratigraphy 6, 56–57
 Meall Dubh 56
 Mellon Udrigle 88
 member defined 2
 metamorphism, basement 12
 microcline pebbles 41
 microfossils
 Sleat Group 110
 Stoer Group 11, 67
 Torridon Group 3, 32, 34, 94, 99, 107
 Miller, Hugh 2
 Minch fault 1, 20, 44
 mineralogy
 basement 12, 36, 37
 Sleat Group 24, 25
 Stoer Group 14, 17
 Torridon Group 35, 37, 38, 39
 Moine thrust 1, 3, 23, 29, 31, 44, 45
 mud drapes 9
 mudflow 10
 Mullach an Rathain 102
- na Dal, Loch 23, 110
 na Féithe Dirch, Loch 92
 na Féithe Mugaig, Loch 96
 Na₂O–K₂O plot 12
 na Sealga, Loch 84
 na Seanna-chreig, Loch 71
 Nicol, James 2
- Òb a' Bhrighe 102
 Ob Chuaig 105
 Ob Gauscavaig 112, 113
 Ob Gorm Beag 102, 104
 Ob Gorm Mòr 102, 104
 Ob Mheallaidh 102, 104
 Ob na Glaic Ruaidh 104
 Opinan 88
- palaeoclimate
 Sleat Group 27
 Stoer Group 18–19, 49
 Torridon Group 43, 49
 palaeocurrents
 Achduart Member 78, 84
 Applecross Formation 33, 53, 54, 56, 71, 75, 78,
 80, 81, 84, 88, 95, 100, 104, 105, 106, 108,
 112, 113
 Bay of Stoer Formation 6, 7, 20, 64, 66, 68, 90
 Beinn Bhreac Member 114
 Beinn na Seamraig Formation 24, 111
 Cape Wrath Member 33, 54, 56
 Clachtoll Formation 6, 7, 20, 59, 89
 Diabaig Formation 32, 56, 73, 77, 97, 100, 102,
 108, 115
 Kinloch Formation 24, 111
 Leac Stearnan Member 113
 Loch na Dal Formation 24, 110
 Meall Dearg Formation 6, 20, 70, 72, 93
 Rubha Dubh Ard Member 75
 Rubha Guail Formation 24, 109
 Scresort Sandstone Member 115
 Sgorr Mhór Sandstone Member 115
 Sleat Group 24
- Stoer Group 20
 Torridon Group 34, 44, 47
 palaeodrainage 5, 7
 palaeogeography
 Stoer Group 49, 50
 Torridon Group 50
 palaeomagnetism
 Applecross Formation 102, 113, 115
 Aultbea Formation 88–89, 105
 Laurentia 49–51
 Stoer Group 18, 48, 49
 Torridon Group 42–43, 48, 49
 palaeosols 31, 43, 53
 palaeotopography *see* basement relief
 Pb/Pb ages
 Stoer Group 21
 Torridon Group 45
 pedoturbation 8
 persistency defined 2
 phosphatic concretions 32, 75, 77, 80–81, 94,
 98–99, 103, 110, 113
 plate tectonic setting 49–51
 Poll a' Mhuilt Member
 facies 10, 11, 66–68
 geochemistry 14
 graphic logs 10, 56, 68
 palaeocurrents 68
 regional outcrops
 Enard Bay 72
 Stattic Point 84
 Stoer 66–68
 stratigraphy 5, 6
 Poll a' Mhurain 53
 Poolewe 5, 6, 7, 8, 18
 Poolewe sub-area 89–92
 Port Aslaig 109
 Port Cam 59, 60, 63
 Port Feadaig 64, 70
 potassium metasomatism
 Stoer Group 15–16
 Torridon Group 37–38
 pumpellyite 19, 47, 49, 55, 60, 61, 71, 73
 pyrite cubes 100
- quartzite pebbles
 Bowmore Group 117
 Iona Group 116
 Sleat Group 26, 109
 Stoer Group 16, 59, 64, 72, 79, 84, 85, 86, 87, 90,
 92
 Torridon Group 40–41, 73, 74, 75, 81, 86, 87,
 94, 95, 102, 105, 108, 112, 114, 115
 Quinag 30, 31, 32, 36, 38, 53
 Quinag sub-area 55–56
- Raasay 27, 30, 32, 38, 41
 Raasay sub-area 106–108
 Raffin 56
 rare earth elements (REE) 15, 40
 Rayleigh-Taylor instability 34
 Rb partitioning 13
 Rb in feldspar 36, 75
 Rb/Sr ages
 basement 21
 Stoer Group 21
 Torridon Group 36, 42, 45
 Read, H. H. 3
 Red Point 95
 Reiff 53, 75
 research history 2–3
 Rhiconich 53
 Rhum *see* Rum
 Rienachait 62, 63
 Rienachait conglomerate 56, 62, 63
 rift basin evidence 20–21, 44, 47

- Roag, Loch 96, 97
 roches moutonnées 18
 roundness defined 2
 Ruadh Mheallan 100
 Rubh' a' Choin 70, 71, 73
 Rubh' an Dunain 56
 Rubh' an t-Sàile 117
 Rubh' Aonghais 114
 Rubha a' Chonnaidh 108
 Rubha an Inbhire 108
 Rubha Ard Treshnish 112
 Rubha Beag 70, 72
 Rubha Dubh Ard 77, 78
 Rubha Dubh Ard Member 33, 73, 74, 75, 78, 80
 Rubha Dunan 72, 76, 77
 Rubha Guail 109
 Rubha Guail Formation
 facies 23
 geochemistry 25, 26
 graphic log 109
 mineralogy 24, 25
 outcrop 109
 palaeocurrents 24
 source 25–26
 Rubha Lag na Saille 73
 Rubha Leumair 61
 Rubha Mór 87–89
 Rubha na Roinne 115
 Rubha Réidh 6, 65, 92, 95
 Rubha Réidh sub-area 93
 Rubha Reireag 108
 Rubha Stoer 30
 Rubha Stoer sub-area 56–57
 Rudha Beag sandstone 71, 72, 73
 Rum 27, 30, 38
 Rum sub-area 114–115
- Sàil Beag 33, 53, 84
 Sàil Mhór 53
 silt-mud rhythmite 32, 98, 110, 115
 Scalpay 30
 Scalpay sub-area 108–109
 Scoraig 30, 33
 Scoraig sub-area 81–84
 Scourie dykes 12, 13, 20, 36, 74
 Scresort, Loch 115
 Scresort Sandstone Member 113, 115
 Sconser 108
 Sgeir Gormul 112
 Sgorr a' Chadail 101
 Sgorr Mhòr Sandstone Member 113, 115
 Sgurr na Bana Mhoraire 104
 Sgurr of Eigg 116
 shale defined 2
 Sheigra 53
 Shildaig 30, 102, 105
 Shildaig, Loch 102
 Shildaig Lodge 94
 Sionascaig, Loch 74
 Skiag Bridge 55
 Skye 27, 38, 109–113
 Sleat Group
 age 27–28
 facies 23–24
 geochemistry 24–27
 mineralogy 24–25, 113
 outcrop 109–113
 palaeoclimate 27
 palaeocurrents 24
 palaeomagnetism 27
 source 25–26
 stratigraphy 23, 24
 Sleat of Skye sub-area 109–113
 slump structures 64, 66–67, 85–86, 96–97
 smectite 8, 31
 Soay 30
 Soay sub-area 113–114
 sodium metasomatism *see* albitization
 source rocks 17, 26, 39–42
 Spidean Còinich 55, 56
 Stac Cas a' Bhruic 86
 Stac Fada 65, 66, 67
 Stac Fada Member
 accretionary lapilli 9–10, 65, 66, 72
 facies 9–11
 geochemistry 16, 18
 graphic logs 10, 56
 mineralogy 9
 regional outcrops
 Achiltibuie 76
 Bac an Leth-choin 92
 Cailleach Head 79
 Enard Bay 72
 Gruinard Bay 87
 Poolewe 92
 Stattic Point 84
 Stoer 65–66
 slumping 9–10, 66–67
 stratigraphy 5, 6, 7
 Stac Gruinn 65
 Stac Polly 53, 74
 Stattic Point 6, 79
 Stattic Point sub-area 84–86
 Steall a' Mhunain 66
 Stoer 6, 9, 10, 11–12, 14, 15, 41
 Stoer, Bay of 57, 59, 60, 68
 Stoer Group
 age 21
 burial history 47–49
 facies 6–9
 geochemistry 11–18
 mineralogy 14, 16
 palaeoclimate 18–19
 palaeocurrents 20
 palaeomagnetism 18, 48, 49
 source 13–16, 17
 stratigraphy 5, 6, 7
 tectonic setting 19–21, 47, 49, 50
 type area 57–70
 Stoer sub-area 57–70
 Strath 95
 Strath Kanaird 30, 78
 Suilven 73
 Summer Isles 75
 swamp deposits 8
- Talladale, River 95
 Tanera Beg 75, 76
- tectonic setting
 Sleat Group 27
 Stoer Group 19–21, 47
 Torridon Group 43–45, 47, 49
 tephra 11, 15–16
 Th in Stoer Group 13–14
 Th/Sc ratio 40
 thermal history 47–49
 tillite 59
 Tornapress 104, 105
 Torran Member 106
 Torridon 30, 38, 41, 53, 102
 Torridon, Loch 96
 Torridon Group
 age 45–46
 facies 32–35
 geochemistry 35–39
 mineralogy 36–39
 palaeoclimate 43
 palaeocurrents 32–35
 palaeomagnetism 42–43, 48, 49
 source rocks 39–42
 stratigraphy 29, 30, 106, 113
 tectonic setting 43–45
 Toscaig 30, 34, 104, 105, 112
 Toscaig fault 105, 106
 total organic carbon (TOC) 67
 tourmaline 40, 41, 42, 45
 Tournaig 92
- U in Stoer Group 13
 U/Pb age *see* zircon ages
 Uamh an Oir 85
 Uisguintuie 117
 unconfined alluvial fans 32–33
 unconfined bajadas
 Stoer Group 8–9
 Torridon Group 33–34
 Upper Fladday Member 108
 Upper Loch Torridon sub-area 102–104
- valley-confined alluvial fans
 Stoer Group 6–8
 Torridon Group 32
 valley-confined lakes 32
 valley-confined rivers
 Stoer Group 8
 Torridon Group 32, 73
 valley-confined swamps 8
 veins, dilatational 19–20, 61, 62–63, 86, 95–96, 97
 vertisol 8
 Veyatie, Loch 30, 73, 74, 75
 Victoria Falls 95
 Victoria, Lake 5
- weathering of basement 5, 17, 18–19, 20, 30–31, 53, 71, 74
- Y in apatite 55, 75
- zircon ages
 Stoer Group 16, 21
 Torridon Group 41, 42, 45

PLATE CAPTIONS

Plate 1. The Torridonian outcrop in NW Scotland, showing component groups and formations.

Plate 2. The Torridonian outcrop in NW Scotland showing the sub-areas described in the Directory, together with the locations of figured maps and sections.