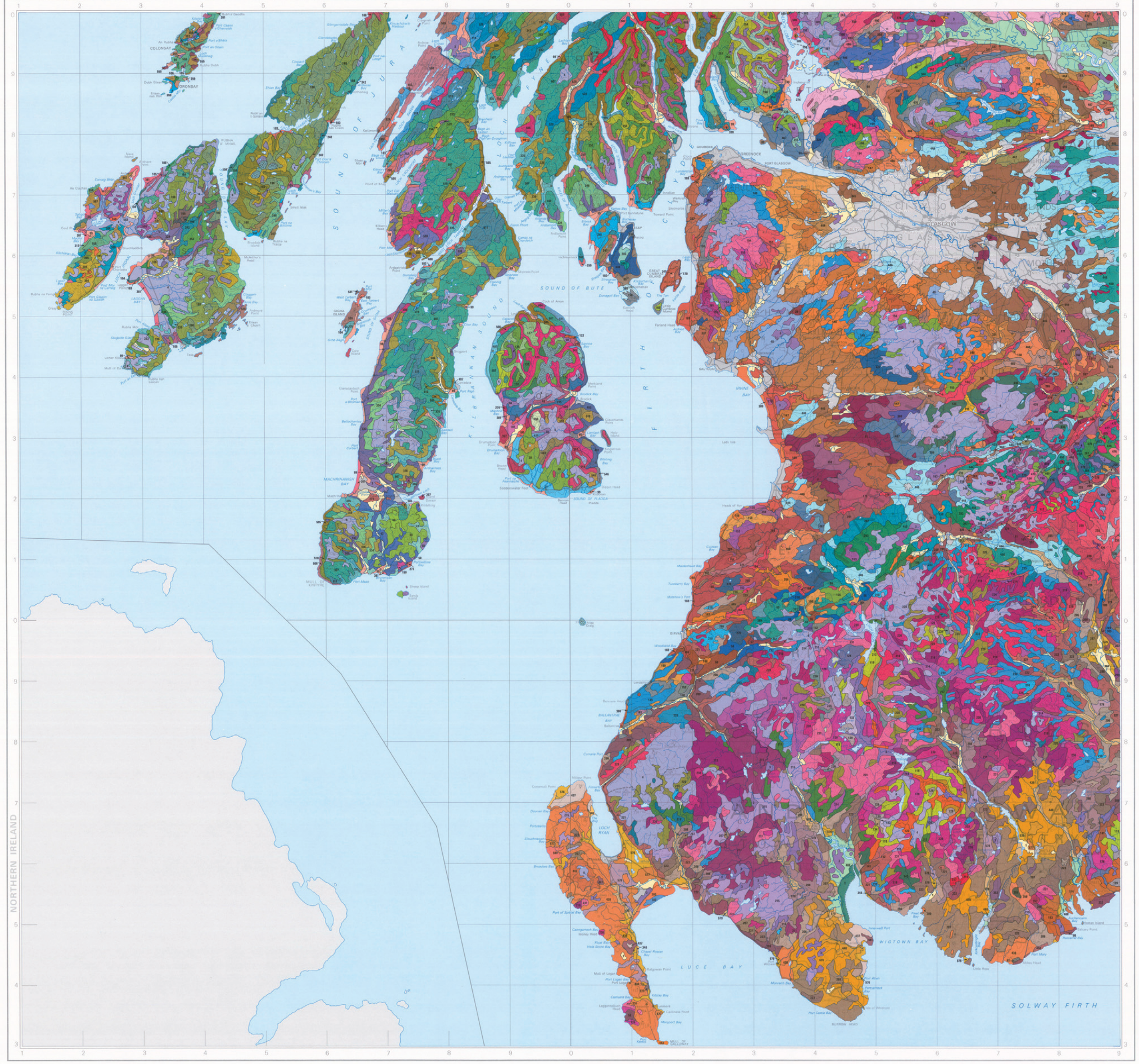
SOIL ASSOCIATIONS	PARENT MATERIALS		COMPONENT SOILS	LANDFORMS	VEGETATION
ALLUVIAL SOILS	Recent riverine and lacustrine alluvial deposits	1	Alluvial soils	Flood plains, river terraces and former lake beds	Arable and permanent pastures Rush pastures and sedge mires
	Marine alluvial deposits (saltings)	2	Saline gleys	Saltings	Sea pink salt-marsh Mud rush salt-marsh Reed swamp
ORGANIC SOILS	Organic deposits	3	Basin and valley peats	Basins and valleys	Blanket and flying bent bog Swamp, sedge mires and rush pastures
		4	Blanket peats	Uplands and northern lowlands with gentle and strong slopes	Blanket and flying bent bog Upland and mountain blanket bog
ARRAN	Drifts derived from marls, cornstones and sandstones of Triassic age, often water-modified	37	Noncalcareous gleys; some humic gleys	Undulating lowlands with gentle slopes	Arable and permanent pastures
		38	Peaty gleys; some peat	Undulating lowlands with gentle slopes	Moist Atlantic heather moor Bog heather moor Blanket and flying bent bog
ASHGROVE	Drifts derived mainly from shales of Carboniferous age	39	Brown forest soils with gleying; some noncalcareous gleys and humic gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		40	Noncalcareous gleys; some peaty gleys, humic gleys and peat	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires Flying bent bog
BALROWNIE	Drifts derived mainly from sandstones of Lower Old Red Sandstone age, often water-modified	41	Brown forest soils with gleying; some brown forest soils and noncalcareous gleys	Undulating lowlands with gentle and strong slopes; non-rocky	Arable and permanent pastures Broad-leaved woodland Rush pastures and sedge mires
		42	Noncalcareous gleys; some peaty gleys and humic gleys	Undulating lowlands with gentle slopes, non-rocky	Arable and permanent pastures Rush pastures and sedge mires Broad-leaved woodland
		43	Brown forest soils; some brown forest soils with gleying	Undulating lowlands with gentle and strong slopes; slightly rocky	Arable and permanent pastures Broad-leaved woodland
		44	Humus-iron podzols; some brown forest soils and peaty podzols	Undulating foothills and valley sides with gentle and strong slopes; non-rocky	Dry Atlantic heather moor Acid bent-fescue grassland White bent grassland
		46	Peaty gleys, peat; some peaty podzols	Undulating lowlands and uplands with gentle slopes; non-rocky	Moist Atlantic heather moor Bog heather moor Rush pastures and sedge mires
		47	Noncalcareous gleys; some humic gleys	Undulating lowlands with gentle and strong slopes; slightly rocky	Permanent pastures Rush pastures and sedge mires
		48	Peaty gleys; some peat	Undulating lowlands with gentle and strong slopes; slightly rocky	Moist Atlantic heather moor Bog heather moor and blanket bog Rush pastures and sedge mires
		49	Brown forest soils, humus-iron podzols	Hill sides with steep slopes; moderately rocky	Acid bent-fescue grassland Dry Atlantic heather moor
		50	Peaty gleys, peat; some peaty podzols	Gentle complex hill slopes and occasional flats; moderately rocky	Moist Atlantic heather moor Bog heather moor Blanket bog
BARGOUR	Drifts derived from Barren Red Sandstones of Carboniferous age	51	Brown forest soils with gleying; some noncalcareous and humic gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
BARNCORKRIE	Red brown clayey drifts with greywackes and some granites	52	Brown forest soils, brown forest soils with gleying	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures
BENAN	Drifts from Ordovician conglomerates derived mainly from basic igneous material	56	Brown forest soils	Hills and valley sides with simple and complex strong slopes	Arable and permanent pastures Rockrose-fescue grassland Rich bent-fescue grassland
		57	Brown forest soils; some noncalcareous gleys	Valley sides with simple and complex gentle and strong slopes	Rich bent-fescue grassland. Permanent pastures. Sharp-flowered rush pasture
BLAIR	Drifts derived from greywackes, Old Red Sandstone lavas, sandstones and felsites	58	Noncalcareous gleys; some brown forest soils	Depressions and foothills with gentle slopes	Sharp-flowered rush pasture Sedge mires Permanent pastures
		59	Brown forest soils with gleying, noncalcareous gleys	Valley and hill sides with gentle and strong slopes	Permanent pastures Sharp-flowered rush pasture Sedge mires
		60	Noncalcareous gleys, peaty gleys, peat	Undulating uplands with gentle and strong slopes	Sharp-flowered rush pasture Flying bent grassland Bog heather moor
CARPOW/PANBRIDE	Raised beach sands and gravels derived mainly from Old Red Sandstone sediments and lavas	89	Brown forest soils; some brown forest soils with gleying	Raised beach terraces with gentle slopes	Arable and permanent pasture
CARTER	Drifts derived from Lower Carboniferous sandstones of the Calciferous Sandstone Series	90	Brown forest soils, brown forest soils with gleying	Hill and valley sides with strong and steep slopes	Arable and permanent pastures Acid bent-fescue grassland
		92	Brown forest soils, noncalcareous gleys; some rankers	Hill sides with steep complex slopes; moderately rocky	Acid bent-fescue grassland Sharp-flowered rush pasture Tussock-grass pasture
CORBY/ BOYNDIE/ DINNET	Fluvioglacial and raised beach sands and gravels derived from acid rocks	98	Humus-iron podzols, alluvial soils	Valley floors, terraces and mounds with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		99	Humus-iron podzols; some humic gleys and alluvial soils	Valley floors and lowland with gentle slopes	Arable and permanent pastures Acid bent-fescue grassland Rush pastures and sedge mires
		100	Humus-iron podzols; some peaty gleys and humic gleys	Mounds and ridges with gentle to steep slopes	Dry Atlantic heather moor Rush pastures and sedge mires Arable and permanent pastures
		101	Peaty podzols; some humus-iron podzols and peat	Mounds, ridges and terraces with gentle to steep slopes	Dry and moist Atlantic heather moor. Rush pastures Bog heather moor and blanket bog
		103	Humus-iron podzols, peaty gleys; some humic gleys, alluvial soils and peat	Terraces with gentle slopes; slightly rocky	Arable and permanent pastures Rush pastures and sedge mires Atlantic heather moor
		104	Peaty gleys, peaty podzols; some peat	Terraces with gentle slopes; slightly rocky	Moist Atlantic heather moor Bog heather moor and blanket bog Rush pastures and sedge mires
		105	Humus-iron podzols, peaty podzols; some peaty gleys and peat	Terraces with gentle slopes; non-rocky	Arable and permanent pastures Atlantic and bog heather moor Rush pastures. Blanket bog
		106	Peaty gleys, peaty podzols; some peat and peat-alluvium	Terraces with gentle slopes; non-rocky	Moist Atlantic heather moor Bog heather moor and blanket bog Rush pastures and sedge mires
COUNTESSWELLS/ DALBEATTIE/ PRIESTLAW	Drifts derived from granites and granitic rocks	113	Brown forest soils; some brown rankers	Undulating lowland and foothills with gentle and strong slopes; non- and slightly rocky	Acid bent-fescue grassland Arable and permanent pastures
		114	Brown forest soils, some brown rankers	Hills with complex strong slopes; moderately rocky	Acid bent-fescue grassland Permanent pastures
		117	Peaty podzols; some humus-iron podzols and gleys	Hills and valley sides with gentle to steep slopes; non-rocky	Dry and moist Atlantic heather moor. White bent grassland Bog heather moor
		118	Peaty gleys, peat; some peaty podzols	Undulating uplands and hills with gentle and strong slopes; non- and slightly rocky	Moist Atlantic heather moor Flying bent grassland Blanket and flying bent bog
		120	Peaty gleys, peat; some brown forest soils	Foothills with complex gentle and strong slopes	Flying bent grassland. Blanket and flying bent bog Acid bent-fescue grassland
		122	Humus-iron podzols, brown forest soils; some peaty gleys and peat	Hummocky valley moraines; often bouldery	Dry and moist Atlantic heather moor. Acid bent-fescue grassland. Rush pastures
		123	Peaty podzols, peat, peaty gleys	Hummocky valley and slope moraines; often bouldery	Moist Atlantic and bog heather moor. Blanket bog Rush pastures and sedge mires
		124	Peat and peaty rankers	Broad valley bottoms and depressions with rock knolls	Blanket and flying bent bog Moist Atlantic heather moor
		126	Peaty podzols, humus-iron podzols; some peaty gleys and rankers	Hills and valley sides with strong to very steep slopes; moderately rocky	Dry and moist Atlantic heather moor Flying bent grassland
		127	Peaty gleys, peat; some peaty podzols and peaty rankers	Hills and undulating lowlands with gentle and strong slopes; moderately rocky	Blanket and flying bent bog Moist Atlantic heather moor Bog heather moor
		129	Rankers, peaty podzols; some humus-iron podzols and peaty gleys	Rugged hills with strong and steep slopes; very rocky, some scree	Dry and moist Atlantic heather moor, locally Boreal Heath-rush - fescue grassland
		131	Peaty gleys, peaty podzols, peaty rankers	Hill sides with steep and very steep slopes, moderately and very rocky	Dry and moist Atlantic heather moor, locally Boreal Heath-rush - fescue grassland
		132	Peaty gleys, peat; some peaty rankers	Rugged hills with gentle to strong slopes; very rocky	Bog and moist Atlantic heather moor, locally Boreal. Flying bent grassland. Blanket bog
		133	Peaty rankers	Very steep rock walls and stabilised scree	Dry and moist Atlantic heather moor, locally Boreal
		134	Subalpine soils; some peat and rankers	Mountains with gentle to very steep slopes; non- to very rocky	Fescue - fringe-moss heath Mountain heath-rush grassland Mountain blanket bog
		135	Peat, subalpine soils; some alpine soils	Mountains with gentle and strong slopes; non- to moderately rocky	Mountain blanket bog Fescue - fringe-moss heath Stiff sedge - fescue grassland
CRAIGDALE	Drifts derived from greywackes, shales and basic lavas	138	Brown forest soils, peaty podzols	Hills with gentle and strong slopes	Acid bent - fescue grassland White bent grassland. Dry and moist Atlantic heather moor
		139	Noncalcareous gleys, peaty gleys	Depressions and footslopes	Sharp-flowered rush pasture Flying bent grassland
CREETOWN	Drifts derived from greywackes and granites	141	Brown forest soils	Hill and valley sides with gentle and strong slopes	Arable and permanent pastures Acid bent-fescue grassland
		142	Brown forest soils; some peaty gleys, peats and peaty podzols	Hill sides, often with mounds, terraces and depressions; gentle slopes	Acid bent-fescue grassland Moist Atlantic heather moor Flying bent bog. Rush pastures
		143	Noncalcareous gleys, peaty gleys; some brown forest soils	Depressions and footslopes	Sharp-flowered rush pasture Soft rush pasture Acid bent-fescue grassland
DARLEITH/ KIRKTONMOOR	Drifts derived from basaltic rocks	147	Brown forest soils; some brown forest soils with gleying and gleys	Undulating lowlands with gentle and strong slopes; non-rocky	Arable and permanent pastures Acid bent-fescue grassland Broad-leaved woodland
		148	Brown forest soils with gleying	Undulating lowlands with gentle slopes	Arable and permanent pastures Rich bent-fescue grassland Rush pastures and sedge mires
		149	Noncalcareous gleys, humic gleys; some brown forest soils and peaty gleys	Undulating lowlands with gentle and strong slopes; non-rocky	Arable and permanent pastures Rush pastures and sedge mires
		150	Brown forest soils; some brown forest soils with gleying	Undulating lowlands and hills with gentle and strong slopes; slightly rocky	Bent-fescue grassland Crested hair-grass grassland Heath-grass - white bent grassland
		151	Humus-iron podzols; some brown forest soils, peaty podzols and gleys	Hills and valley sides with gentle to steep slopes; slightly rocky	Dry and moist Atlantic heather moor. White bent grassland Acid bent-fescue grassland
		152	Peaty gleys, brown forest soils; some rankers	Hills with complex gentle to strong slopes; slightly to moderately rocky	Moist Atlantic heather moor Flying bent grassland Acid bent-fescue grassland
		153	Peaty podzols, humus-iron podzols; some peat and peaty gleys	Hills and valley sides with gentle and strong slopes; slightly rocky	White bent grassland Dry and moist Atlantic heather moor
		154	Peaty podzols, peaty gleys, peat; some rankers	Hills with gentle to strong slopes; slightly rocky	Moist Atlantic heather moor White bent grassland Bog heather moor
		155	Peaty gleys, peat; some humic gleys	Undulating hills with strong slopes; non-rocky	Moist Atlantic and bog heather moor. Flying bent grassland and bog. Rush pastures
		156	Brown forest soils, noncalcareous gleys, peaty gleys	Hummocky moraines	Permanent pastures Acid bent-fescue and white bent grassland. Rush pastures
		158	Brown forest soils; some brown rankers	Hills and valley sides, frequently terraced, with gentle and strong slopes; slightly rocky	Arable and permanent pastures Bent-fescue grassland. Herb-rich Atlantic heather moor
		159	Peaty podzols, humus-iron podzols; some brown forest soils and peaty gleys	Strongly terraced hills with steep slopes; slightly rocky	Dry and moist Atlantic heather moor. Bog heather moor Bent-fescue grassland
		160	Peaty gleys, peat; some peaty podzols	Terraced hills with gentle and strong slopes; slightly to moderately rocky	Moist Atlantic heather moor. Blanket and flying bent bog. Rush pastures
		161	Brown forest soils	Hill sides with very steep slopes; moderately rocky, with cliffs	Rich bent-fescue grassland Herb-rich Atlantic heather moor. Oak and birchwood
DARVEL	Fluvioglacial sands and gravels derived mainly from Carboniferous rocks	163	Brown forest soils; some humus-iron podzols and gleys	Mounds and terraces with gentle and strong slopes	Arable and permanent pastures Acid bent-fescue grassland
		164	Brown forest soils, gleys and alluvial soils	Mounds and terraces with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
DEECASTLE	Drifts derived from Dalradian limestones and calc-silicate rocks	165	Brown forest soils; some brown rankers and noncalcareous gleys	Undulating lowlands and hills with gentle and strong slopes; slightly rocky to rocky	Arable and permanent pastures Rock-rose - fescue grassland Rich bent-fescue grassland
		166	Peaty podzols, brown forest soils, some peaty gleys, peat	Lowland with dry ridges and wet hollows with gentle and strong slopes; slightly rocky	Herb-rich Atlantic heather moor. Rock rose - fescue grassland. Sedge mires
DOUNE	Fluvioglacial sands & gravels derived from acid schists and Lower Old Red Sandstone sediments and lavas	168	Brown forest soils; some humus-iron podzols and gleys	Mounds, terraces and undulating lowlands with gentle to steep slopes	Arable and permanent pastures Acid bent-fescue grassland Broad-leaved woodland
DREGHORN	Raised beach sands and gravels derived from Carboniferous rocks with some Old Red Sandstone material	169	Brown forest soils; some gleys	Raised beach terraces and mounds with gentle slopes	Arable and permanent pastures
		170	Brown forest soils with gleying; some noncalcareous gleys	Raised beach terraces and mounds with minor undulations and very gentle slopes	Arable and permanent pastures Rush pastures and sedge mires
DRONGAN	Drifts derived mainly from Coal Measures marls	171	Brown forest soils with gleying; some noncalcareous and humic gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
DURISDEER	Drifts derived from sandstones of Permian and Carboniferous age, greywackes and basic igneous rocks	179	Brown forest soils, brown forest soils with gleying	Undulating lowlands and foothills with gentle and strong slopes	Arable and permanent pastures
		182	Noncalcareous gleys, brown forest soils with gleying	Depressions and gentle slopes	Sharp-flowered rush pasture Arable and permanent pastures
DURNHILL	Drifts derived from quartzites and quartzose grits	184	Peaty gleys, peat	Hill sides with gentle and strong slopes; non-rocky	Flying bent grassland Dry and moist Atlantic heather moor. Bog heather moor
		185	Peaty podzols, peat, peaty gleys	Hummocky valley moraines, often bouldery	Atlantic and bog heather moor Flying bent grassland Blanket and flying bent bog
		186	Brown forest soils, humus-iron podzols; some peaty gleys and rankers	Valley sides with steep and very steep slopes; non- to moderately rocky	Acid bent-fescue grassland Oak and birchwood Rush pastures and sedge mires
		188	Peaty gleys, peat; some peaty rankers and peaty podzols	Hills and hill sides with strong and steep slopes; moderately rocky	Flying bent grassland Atlantic and bog heather moor Blanket and flying bent bog
		190	Peaty gleys, peaty rankers; some peat and peaty podzols	Rugged hills with gentle and strong slopes; very rocky	Flying bent grassland. Moist Atlantic and bog heather moor Blanket and flying bent bog
		191	Peaty gleys, peaty podzols, peaty rankers; some peat	Hill sides, valley sides and hills with steep and very steep slopes; moderately and very rocky	Dry, moist and northern Atlantic heather moor Blaeberry heath
		193	Peat, subalpine soils; some alpine soils	Hill and mountain summits with gentle and strong slopes; slightly and moderately rocky	Lichen-rich Boreal heather moor Blaeberry heath Fescue - fringe-moss heath
ECKFORD/ INNERWICK	Fluvioglacial sands and gravels derived mainly from Upper Old Red Sandstone sediments	196	Brown forest soils; some noncalcareous gleys, humic gleys	Mounds and terraces with gentle and strong slopes	Arable and permanent pastures Bent-fescue grassland Rush pastures and sedge mires
		198	Brown forest soils, alluvial soils	Terraces of fluvioglacial and riverine origin with gentle slopes	Arable and permanent pastures Soft rush pasture Tussock-grass pasture
ETTRICK	Drifts derived from Lower Palaeozoic greywackes and shales	206	Brown forest soils; some brown forest soils with gleying	Foothills and undulating lowlands with gentle and strong slopes	Acid bent-fescue grassland Arable and permanent pastures
		207	Brown forest soils; some brown rankers	Lowlands with gentle and strong complex slopes; slightly to moderately rocky	Acid bent-fescue grassland Permanent pastures
		208	Brown forest soils; some brown rankers	Drumlins and complex gentle slopes; non- and moderately rocky	Acid bent-fescue grassland Arable and permanent pastures
		209	Brown forest soils with gleying; some noncalcareous gleys	Foothills and undulating lowlands with gentle and strong slopes	Arable and permanent pastures Sharp-flowered rush pasture
		210	Noncalcareous gleys; some brown forest soils with gleying	Foothills and depressions with gentle slopes	Sharp-flowered rush pasture Tussock-grass pasture Arable and permanent pastures
		211	Brown forest soils, peat	Drumlins with intervening simple and complex gentle slopes	Acid bent-fescue grassland Arable and permanent pastures Blanket and flying bent bog
		212	Peaty gleys, peat; some brown forest soils	Foothills and lowlands with simple and complex gentle and strong slopes	Flying bent grassland Blanket and flying bent bog Acid bent-fescue grassland
		213	Peaty podzols, peaty gleys, peat	Drumlins with intervening simple and complex gentle slopes	Moist Atlantic heather moor Heath-rush - fescue grassland Blanket and flying bent bog
		214	Peaty podzols, brown forest soils, peat, peaty gleys	Hummocky moraine	Moist Atlantic heather moor Blanket and flying bent bog Flying bent grassland
		215	Peat, peat rankers	Valley floors and lowlands with rock knolls and mounds moraine; complex gentle slopes	Blanket and flying bent bog Moist Atlantic heather moor Bog heather moor
		216	Peaty podzols, peaty gleys, peat, some brown forest soils and rankers	Undulating uplands with complex and short gentle and strong slopes	Moist Atlantic heather moor Heath rush - fescue grassland Blanket bog
		217	Peaty podzols, peaty gleys; some rankers, peat and brown forest soils	Undulating uplands with complex gentle slopes; slightly to moderately rocky	Moist Atlantic heather moor Heath-rush - fescue grassland Blanket and flying bent bog
		218	Peaty podzols, peaty gleys, peat	Hills with gentle and strong slopes	Moist Atlantic heather moor Heath-rush - fescue grassland Blanket and flying bent bog
		219	Peaty gleys, peat	Depressions and undulating uplands with gentle slopes	Moist Atlantic heather moor Flying bent grassland Blanket and flying bent bog
		220	Peaty gleys, peat; some peaty podzols	Foothills and undulating uplands with gentle slopes	Moist Atlantic heather moor Heath-rush - fescue grassland Blanket and flying bent bog
		221	Brown forest soils	Hills and valley sides with steep and strong slopes	Acid bent-fescue grassland Dry Atlantic heather moor Oak and birchwood
		222	Brown forest soils; some brown rankers	Hills and lowlands with gentle to steep slopes; slightly and moderately rocky	Arable and permanent pastures Acid bent-fescue grassland
		223	Brown forest soils, brown rankers	Hills with strong and steep complex slopes; moderately to very rocky	Acid bent-fescue grassland Dry Atlantic heather moor
		224	Rankers, podzols, brown forest soils	Hills and valley sides with very steep slopes; some crags, scree and boulders	Dry Atlantic heather moor Rich bent-fescue grassland Oak and birchwood
		225	Brown forest soils, noncalcareous gleys	Hills and valleys with gentle to steep slopes	Acid bent-fescue grassland Sharp-flowered rush pasture
		226	Peaty podzols, brown forest soils	Hills with simple convex steep and strong slopes	Moist Atlantic heather moor White bent grassland Acid bent-fescue grassland
		228	Peaty podzols; some humus-iron podzols	Hills with simple convex strong and steep slopes	Dry and moist Atlantic heather moor, locally Boreal White bent grassland
		229	Peaty podzols; some peaty gleys, peat	Hills with simple convex steep and strong slopes	Moist Atlantic heather moor Heath-rush - fescue grassland Blanket and flying bent bog
		230	Peaty podzols, peaty gleys; some peat and rankers	Hills with complex strong and steep slopes; non-rocky	Moist Atlantic heather moor Heath-rush - fescue grassland Blanket and flying bent bog
		231	Peaty podzols, peaty gleys; some rankers, peat, brown forest soils	Hills with complex strong and steep slopes; moderately to very rocky	Moist Atlantic heather moor Flying bent grassland Blanket bog. Acid grassland
		232	Noncalcareous gleys, brown forest soils	Hills and valley sides with generally concave, strong and steep slopes	Sharp-flowered rush pasture Tussock-grass pasture Acid bent-fescue grassland
		233	Peaty gleys, noncalcareous gleys	Valleys and depressions amongst hills and uplands with gentle slopes	Rush pastures and sedge mires Moist Atlantic heather moor Flying bent grassland
		234	Peat, peaty podzols, peaty gleys	Hill crests and ridges with gentle slopes	Upland and mountain blanket bog Moist Atlantic heather moor, locally Boreal
		235	Rankers	Rock walls and scree	Dry and moist Atlantic heather moor Blaeberry heath
		236	Subalpine soils; some peat, peaty podzols	Mountain summits with gentle and strong slopes	Fescue - fringe-moss heath Stiff sedge - fescue grassland Mountain blanket bog
FOUDLAND	Drifts derived from slates, phyllites and other weakly metamorphosed argillaceous rocks	241	Noncalcareous gleys, humic gleys; some peaty gleys and peat	Undulating lowlands with gentle and strong slopes; non-rocky	Arable and permanent pastures Sharp-flowered rush pasture Moist Atlantic heather moor
		242	Noncalcareous gleys, humic gleys; some gleyed rankers and brown forest soils	Ridged lowland with gentle and strong slopes; moderately rocky	Arable and permanent pastures Sharp-flowered rush pasture Moist Atlantic heather moor
		243	Humus-iron podzols; some brown forest soils, gleys and peaty podzols	Hills and valley sides with gentle to strong slopes; non-rocky	Permanent pastures Acid bent-fescue grassland Atlantic and Boreal heather moor
		246	Peaty gleys, peat; some peaty podzols and humic gleys	Undulating lowland and lower hill slopes with gentle to strong slopes; non-rocky	Moist Atlantic heather moor Bog heather moor Flying bent bog. Sedge mires
FOUDLAND	Drifts derived from slates, phyllites and other weakly metamorphosed argillaceous rocks	247	Peaty gleys, peat; some peaty podzols	Ridged lowland and hills with gentle and strong slopes; slightly rocky	Moist Atlantic heather moor Bog heather moor Flying bent bog. Sedge mires
		248	Humus-iron podzols, brown forest soils; some gleys and peat	Hummocky valley moraines	Permanent pastures Acid bent-fescue grassland Rush pastures and sedge mires
		249	Peaty gleys, peat, some peaty podzols	Hummocky valley and slope moraines	Moist Atlantic heather moor Flying bent bog. Sedge mires Heath-rush - fescue grassland
		250	Humus-iron podzols, brown forest soils; some humic gleys and peaty podzols	Hill and valley sides with strong to very steep slopes, moderately rocky	Acid bent-fescue grassland Rush pastures and sedge mires Hazel, oak and birchwood
		251	Noncalcareous gleys, brown forest soils; some humic gleys and peaty podzols	Hill sides with steep slopes; slightly rocky	Acid bent-fescue grassland Heath-rush - fescue grassland Rush pastures and sedge mires
		252	Peaty podzols, humus-iron podzols; some peat and gleys	Hills and valley sides with strong and steep slopes; slightly and moderately rocky	Dry and moist Atlantic heather moor. White bent grassland Blanket and upland blanket bog
		253	Peaty gleys, peaty podzols; some peat and rankers	Hills with gentle to steep slopes; slightly rocky	Atlantic and bog heather moor Heath-rush - fescue grassland Blanket and flying bent bog
		254	Peaty gleys, peaty podzols, some peaty rankers	Hills with steep slopes; moderately and very rocky	Heath-rush - fescue grassland Rush pastures and sedge mires Atlantic and Boreal heather moor
		255	Subalpine soils; some peaty rankers and peat	Mountains with gentle to very steep slopes; non- to very rocky	Fescue - fringe-moss heath Stiff sedge - fescue grassland Mountain blanket bog
FRASERBURGH	Shelly sands	259	Brown calcareous soils, calcareous regosols	Raised beach terraces and undulating dunes (machair) with gentle and steep slopes; non-rocky	Northern dunes and dune pasture Arable and permanent pastures
		260	Brown calcareous soils, calcareous regosols	Raised beach terraces and undulating dunes (machair) with gentle slopes; moderately rocky	Northern dunes and dune pasture Arable and permanent pastures
		261	Calcareous regosols, brown calcareous soils, calcareous gleys	Dunes and slacks with wide slope range	Northern dunes and dune pasture Silverweed pasture and sedge mires. Permanent pastures
GLENALMOND/ MAYBOLE	Drifts derived mainly from sandstones of Lower Old Red Sandstone age	264	Brown forest soils, brown forest soils with gleying; some gleys	Undulating lowlands with gentle slopes	Arable and permanent pastures
		265	Brown forest soils with gleying, some brown forest soils and gleys	Undulating lowlands and foothills with gentle and strong slopes	Arable and permanent pastures
		266	Noncalcareous gleys, brown forest soils with gleying; some peaty gleys	Undulating lowlands and foothills with gentle and strong slopes	Sharp-flowered rush pasture Arable and permanent pastures
		267	Brown forest soils; some peaty podzols	Foothills with gentle and strong slopes	Arable and permanent pastures Heath-grass - white bent grassland
		268	Peaty podzols; some peaty gleys, peat	Hills with simple convex strong slopes	Moist Atlantic heather moor Flying bent grassland Bog heather moor and blanket bog
		269	Peaty gleys, peaty podzols, non-calcareous gleys, peat	Hills and valley sides with strong and steep slopes	Heath-rush - fescue grassland Moist Atlantic heather moor Sharp-flowered rush pasture
		270	Peaty gleys, peat; some non-calcareous gleys	Depressions and undulating uplands with gentle slopes	Flying bent grassland Flying bent bog Sharp-flowered rush pasture
		271	Brown forest soils, humus-iron podzols, some gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Acid bent-fescue grassland locally herb-rich
		272	Peaty podzols; some peaty gleys	Hummocky valley and slope moraine	Moist Atlantic heather moor Flying bent grassland Blanket bog
GLENEAGLES/AUCHENBLAE/ COLLIESTON/DARNAWAY	Fluvioglacial sands and gravels derived from Old Red Sandstone sediments & lavas, and acid schists	273	Brown forest soils, humus-iron podzols; some gleys	Mounds and terraces with gentle and strong slopes	Arable and permanent pastures Dry Atlantic heather moor Rich bent-fescue grassland
GOURDIE/CALLANDER/ STRATHFINELLA	Drifts derived from acid metamorphic rocks and Lower Old Red Sandstone sediments with igneous rocks	274	Brown forest soils, brown forest soils with gleying; some humus-iron podzols and gleys	Undulating lowlands and foothills with gentle and strong slopes	Arable and permanent pastures Acid bent-fescue grassland White bent grassland
		275	Noncalcareous gleys, peaty gleys; some brown forest soils with gleying and peat	Undulating lowlands and foothills with gentle and strong slopes	Flying bent grassland Sharp-flowered rush pasture Blanket and flying bent bog
HAYFIELD	Drifts derived from sediments of Carboniferous and Permian age	287	Brown forest soils, brown forest soils with gleying	Foothills and lowlands with gentle and strong slopes	Arable and permanent pastures
		288	Brown forest soils, noncalcareous gleys	Hummocky moraine and depressions	Arable and permanent pastures Rush pastures and sedge mires
		289	Brown forest soils with gleying, noncalcareous gleys	Foothills and lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		290	Peaty gleys, peaty podzols; some noncalcareous gleys	Foothill with gentle slopes	Rush pastures and sedge mires Moist Atlantic heather moor Arable and permanent pastures
HINDSWARD	Drifts derived from Carboniferous sediments and basic igneous rocks	291	Brown forest soils with gleying; some noncalcareous gleys and humic gleys	Undulating lowlands and foothills with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		292	Noncalcareous gleys; some brown forest soils with gleying, peaty gleys	Undulating lowlands and foothills with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		293	Peaty gleys, peat	Undulating uplands with gentle slopes	Moist Atlantic heather moor Bog heather moor. Blanket and flying bent bog
HOLYWOOD	Drifts derived from sandstones and conglomerates of Permian age	303	Brown forest soils with gleying, brown forest soils	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures
		304	Brown forest soils with gleying; noncalcareous gleys	Foothills and depressions with gentle slopes	Arable and permanent pastures Rush pastures and sedge mires
		305	Brown forest soils	Hills and valley sides and undulating lowlands with gentle to steep slopes	Arable and permanent pastures
INCHKENNETH	Drifts derived from Mesozoic sandstones, shales and limestones	308	Humic gleys, noncalcareous gleys	Undulating lowlands and foothills with gentle and strong slopes; non-rocky	Arable and permanent pastures Rush pastures and sedge mires
		309	Humic gleys, noncalcareous gleys	Undulating lowlands and foothills with gentle to steep slopes; moderately rocky	Permanent pastures Rush pastures and sedge mires
		310	Peaty gleys, humic gleys; some shallow peat	Undulating lowlands with gentle slopes; non-rocky	Heath-rush - fescue grassland Rush pastures and sedge mires Bog heather moor
		311	Peaty gleys, humic gleys; some peat	Undulating foothills with gentle to steep slopes; moderately rocky	Heath-rush - fescue grassland Rush pastures and sedge mires Bog heather moor and blanket bog
KILMARNOCK	Drifts derived from igneous and sedimentary rocks of Carboniferous age	331	Brown forest soils with gleying; some noncalcareous and humic gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		332	Noncalcareous gleys; some brown forest soils with gleying, humic gleys	Undulating lowlands with gentle slopes	Permanent pastures Rush pastures and sedge mires
KINTYRE	Drifts derived from Dalradian schists and red sandstones, often water-modified	333	Noncalcareous gleys, humic gleys; some brown forest soils and peaty gleys	Undulating lowlands with gentle slopes; non-rocky	Arable and permanent pastures Rush pastures and sedge mires
		334	Peaty gleys; some peat	Undulating foothills with gentle slopes, non-rocky	Flying bent grassland and bog Heath-grass - white bent grassland. Rush pastures
		335	Noncalcareous gleys, humic gleys; some brown forest soils and peaty gleys	Undulating lowlands with gentle slopes; slightly rocky	Arable and permanent pastures Rush pastures and sedge mires
		336	Peaty gleys; some peat	Undulating foothills with gentle slopes; slightly rocky	Flying bent grassland and bog Heath-grass - white bent grassland. Rush pastures
KIPPEN/LARGS	Drifts derived mainly from Upper Old Red Sandstone sandstones	337	Brown forest soils; some gleys	Undulating lowlands with gentle and strong slopes; non-rocky	Arable and permanent pastures Bent-fescue grassland Oak and birchwood
		338	Noncalcareous gleys; some brown forest soils with gleying and humic gleys	Undulating lowlands with gentle slopes; non-rocky	Arable and permanent pastures Rush pastures and sedge mires
		339	Brown forest soils, humus-iron podzols	Lowlands and hillsides with strong and steep slopes; slightly rocky	Acid bent-fescue grassland Dry Atlantic heather moor Oak and birchwood
		340	Noncalcareous gleys, humic gleys; some humus-iron podzols	Undulating lowlands with gentle slopes; slightly rocky	Permanent pastures Rush pastures and sedge mires
		341	Humus-iron podzols; some brown forest soils and gleys	Hills and valley sides with strong and steep slopes: moderately rocky	Dry Atlantic heather moor White bent grassland Dry birchwood
		342	Peaty podzols; some humus-iron podzols and gleys	Hills and undulating uplands with gentle and strong slopes	Dry and moist Atlantic heather moor. White bent grassland
		343	Peaty podzols, peat; some peaty gleys	Hills and valley sides with gentle and strong slopes; slightly rocky	Dry and moist Atlantic heather moor. White bent grassland Bog heather moor and blanket bog
		344	Peaty gleys, peat, some peaty podzols	Undulating lowlands and foothills with gentle and strong slopes; non-rocky	Moist Atlantic and bog heather moor. Flying bent bog Permanent and rush pastures
		345	Peaty gleys, peat; some peaty podzols	Undulating lowlands with gentle and strong slopes; slightly rocky	Moist Atlantic and bog heather moor. Permanent pastures Rush pastures and sedge mires
		346	Peaty podzols, peaty gleys and peat	Hummocky moraine	Dry and moist Atlantic heather moor. Bog heather moor Blanket and flying bent bog
		347	Peaty podzols	Hills with strong and steep slopes; moderately rocky with boulders	Dry and moist Atlantic heather moor White bent grassland
KIRKCOLM	Raised beach sands and gravels derived from greywackes & shales	348	Brown forest soils	Raised beach terraces with gentle slopes	Arable and permanent pastures
KNOCKSKAE	Drifts derived from felsites and allied igneous rocks	351	Noncalcareous gleys, some peaty gleys	Valleys and depressions with concave gentle slopes	Sharp-flowered rush pasture Flying bent bog
		352	Brown forest soils; some brown rankers	Lowlands with complex gentle and strong slopes; moderately rocky	Acid bent-fescue grassland Permanent pastures
		353	Humus-iron podzols; some gleys, peaty podzols	Hills with strong and steep slopes	Acid bent-fescue grassland White bent grassland Rush pastures and sedge mires
		354	Peaty podzols; some peaty gleys, peat	Hills with strong and steep slopes	Moist Atlantic heather moor White bent grassland
		355	Peaty gleys, peat, peaty podzols; some rankers	Depressions and undulating uplands with complex gentle slopes; moderately rocky	Moist Atlantic heather moor Blanket and flying bent bog Flying bent grassland
		356	Humus-iron podzols; some rankers	Undulating lowlands and hills with gentle to steep complex slopes; slightly to moderately rocky	Acid bent-fescue grassland Permanent pastures
		357	Peaty gleys, peaty podzols, peat	Hills with gentle to steep slopes; moderately rocky	Atlantic and Boreal heather moor Blanket bog Bog heather moor
		358	Peaty gleys, peaty rankers; some peat	Hills with gentle to steep slopes; very rocky with boulders	Bog heather moor Moist Atlantic heather moor, locally Boreal. Blanket bog
LANFINE	Drifts derived from basic igneous rocks and red sandstones of Permian and Old Red Sandstone age	359	Brown forest soils with gleying; some noncalcareous gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		360	Noncalcareous gleys; some brown forest soils with gleying, peaty gleys	Undulating lowlands with gentle slopes	Rush pastures and sedge mires Flying bent bog Permanent pastures
		361	Peaty podzols, humus-iron podzols; some gleys and peat	Undulating uplands with strong simple slopes	Dry Atlantic heather moor Bog heather moor Rush pastures and sedge mires
LAURENCEKIRK	Drifts derived from Lower Old Red Sandstone marls and mudstones	368	Brown forest soils with gleying; some brown forest soils and noncalcareous gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Broad-leaved woodland
LETHANS	Drifts from Lower Old Red Sandstone conglomerates derived from basic igneous material	374	Brown forest soils	Foothills with strong and steep slopes	Bent-fescue grassland
		375	Noncalcareous gleys; some peaty gleys	Foothills and depressions with gentle slopes	Sharp-flowered rush pasture Flying bent grassland
		376	Peaty podzols, brown forest soils	Hills with strong and steep slopes	Moist Atlantic heather moor Acid bent-fescue grassland White bent grassland
		377	Peaty podzols; some peat	Hills with strong and steep slopes	Moist Atlantic heather moor Blanket bog Heath-rush - fescue grassland
		378	Peaty podzols; some brown forest soils	Hills with steep slopes; slightly to moderately rocky	Dry and moist Atlantic heather moor. White bent grassland Acid bent-fescue grassland
LINFERN	Morainic drifts derived from sandstones, greywackes & basic igneous rocks	379	Peaty podzols, peat; some brown forest soils	Hummocky moraine	Moist Atlantic heather moor Blanket bog Acid bent-fescue grassland
LINKS	Windblown sands	380	Regosols; some gleys	Beaches and dunes with gentle and strong slopes	Northern dunes and dune pasture Rush pastures and sedge mires
		381	Humus-iron podzols, humic gleys; some peat and alluvial soils	Stabilized dunes and undulating raised beaches	Arable and permanent pastures Bent-fescue grassland Rush pastures and sedge mires
		382	Regosols and gleys	Beaches and dune slacks with minor dunes with gentle and strong slopes	Silverweed pasture and sedge mires. Rush pastures
LOCHINVER	Drifts derived from Lewisian gneisses	389	Brown forest soils, humus-iron podzols; some rankers and gleys	Valley sides with steep and very steep slopes; moderately and very rocky	Bent-fescue grassland Herb-rich Atlantic heather moor. Hazel and birchwood
		394	Peaty gleys, peat; some peaty podzols and peaty rankers	Dissected lowlands and hills with gentle and strong slopes; moderately rocky	Moist Atlantic and bog heather moor. Heath-rush - fescue grassland. Blanket bog
		395	Peaty gleys, peat, peaty rankers; some peaty podzols	Rugged dissected lowlands and hills with gentle and strong slopes; very rocky	Moist Atlantic and bog heather moor. Heath-rush - fescue grassland. Blanket bog
MAUCHLINE/ AUCHINLECK	Drifts derived mainly from Permian sandstones	401	Brown forest soils with gleying; some noncalcareous and humic gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		402	Noncalcareous gleys; some humic gleys and peaty gleys	Undulating lowlands with gentle slopes	Arable and permanent pastures Rush pastures and sedge mires
		403	Peaty gleys; some peat	Undulating lowlands with gentle slopes	Moist Atlantic and bog heather moor. Flying bent grassland Blanket bog. Rush pastures
		404	Humus-iron podzols; some peaty and brown rankers	Hill sides with steep slopes; slightly rocky	Bent-fescue grassland Permanent and rush pastures Atlantic heather moor
REPPOCH	Drifts derived from Downtonian sandstones and shales	432	Brown forest soils; some brown forest soils with gleying and gleys	Undulating uplands with gentle and strong slopes	Arable and permanent pastures Acid bent-fescue grassland Rush pastures and sedge mires
		433	Noncalcareous gleys; some brown forest soils with gleying and peaty gleys	Undulating uplands with gentle and strong slopes	Sharp-flowered rush pasture Acid bent-fescue grassland Flying bent grassland
		434	Peaty podzols, humus-iron podzols; some brown forest soils, gleys, peat	Undulating uplands with strong slopes	Dry Atlantic heather moor White bent grassland Rush pastures and sedge mires
		435	Peaty podzols, peaty gleys, peat	Hills with gentle and strong slopes; slightly rocky	Moist Atlantic heather moor Bog heather moor Flying bent grassland
		436	Peaty gleys, peat; some peaty podzols	Depressions and foothills with gentle slopes; slightly rocky	Blanket and flying bent bog Moist Atlantic heather moor Flying bent grassland
RHINNS	Red brown clayey drifts containing Ordovician and Silurian greywacke stones	437	Brown forest soils	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures
		438	Brown forest soils with gleying	Drumlins and undulating lowlands with gentle and strong slopes	Arable and permanent pastures
		439	Brown forest soils, some brown rankers, brown forest soils with gleying	Drumlins and undulating lowlands with simple and complex gentle and strong slopes; slightly rocky	Arable and permanent pastures Acid bent-fescue grassland Broad-leaved woodland
		440	Brown forest soils with gleying; some brown forest soils, brown rankers	Drumlins and undulating lowlands with simple and complex gentle and strong slopes; slightly rocky	Arable and permanent pastures Acid bent-fescue grassland
		441	Brown forest soils; some brown rankers	Undulating lowlands with complex strong slopes; moderately rocky	Acid bent-fescue grassland Permanent pastures
		442	Brown forest soils with gleying; some peaty podzols, peaty gleys	Drumlins and depressions with gentle and strong slopes; slightly rocky	Arable and permanent pastures Dry and moist Atlantic heather moor. Flying bent grassland
		443	Humus-iron podzols	Lowlands with gentle slopes	Dry Atlantic heather moor Acid bent-fescue grassland White bent grassland
ROWANHILL/ GIFFNOCK/ WINTON	Drifts derived from Carboniferous sandstones, shales and limestones	444	Brown forest soils with gleying; some brown forest soils	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures
		445	Brown forest soils with gleying; some noncalcareous gleys and humic gleys	Undulating lowlands and valley sides with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires
		446	Noncalcareous gleys; some brown forest soils with gleying and peaty gleys	Undulating lowlands with gentle and strong slopes	Rush pastures and sedge mires Arable and permanent pastures Broad-leaved woodland
		447	Brown forest soils	Mounds on valley sides with strong slopes	Acid bent-fescue grassland Permanent pastures Broad-leaved woodland
		448	Humus-iron podzols; some brown forest soils	Undulating foothills with gentle and strong slopes	Dry Atlantic heather moor Acid bent-fescue grassland Broad-leaved woodland
		449	Peaty podzols, peaty gleys	Hills with strong slopes	Dry and moist Atlantic heather moor. White bent grassland Bog heather moor
		450	Peaty gleys; some peat and non-calcareous gleys	Undulating foothills with gentle and strong slopes	Flying bent grassland and bog Blanket bog Moist Atlantic heather moor
		451	Peaty podzols, peaty gleys, non-calcareous gleys and brown forest soils	Hummocky moraine on valley sides	Heath-rush - fescue grassland Rush pastures and sedge mires Acid bent-fescue grassland
SHAWHILL	Morainic drifts derived from granites, greywackes and Carboniferous sandstones	458	Brown forest soils	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures
SORN/HUMBIE/BIEL	Drifts derived from Lower Carboniferous and Upper Old Red Sandstone sediments and lavas	465	Brown forest soils, brown forest soils with gleying	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures
		466	Brown forest soils with gleying; some noncalcareous gleys and peaty gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires Flying bent grassland
		467	Noncalcareous gleys; some brown forest soils with gleying, humic gleys and peaty gleys	Undulating lowlands with gentle and strong slopes	Arable and permanent pastures Rush pastures and sedge mires Broad-leaved woodland
		468	Brown forest soils; noncalcareous gleys, peaty gleys, peaty podzols	Hills with strong slopes	Acid bent-fescue grassland Rush pastures and sedge mires Heath-rush - fescue grassland
		469	Peaty podzols, peaty gleys	Hills with strong slopes	Heath-rush - fescue grassland
		470	Peaty gleys, humic gleys; some peaty podzols and peat	Undulating lowlands and uplands with gentle and strong slopes	Moist Atlantic heather moor Rush pastures and sedge mires
		471	Brown forest soils, humic gleys	Hill sides with steep slopes; slightly rocky	Acid bent-fescue grassland Rush pastures and sedge mires
SOURHOPE	Drifts derived from Old Red Sandstone intermediate lavas	472	Brown forest soils; some brown forest soils with gleying and gleys	Undulating lowlands and hills with strong slopes	Arable and permanent pastures Acid bent-fescue grassland Rush pastures and sedge mires
		473	Noncalcareous gleys; some brown forest soils with gleying and peaty gleys	Undulating foothills with gentle slopes	Arable and permanent pastures Rush pastures and sedge mires Flying bent grassland
		474	Brown forest soils; some brown forest soils with gleying	Hills with strong and steep slopes; non- and slightly rocky	Arable and permanent pastures Rich bent-fescue grassland
		475	Humus-iron podzols; some brown forest soils, gleys and peaty podzols	Hills with gentle to strong slopes	Dry Atlantic heather moor Acid bent-fescue grassland White bent grassland
		476	Peaty podzols; some humus-iron podzols and peat	Hills and undulating uplands with strong and steep slopes	Dry Atlantic heather moor White bent grassland Blanket bog
		477	Peaty podzols, shallow peat; some gleys	Hills with gentle and strong slopes; slightly rocky	Dry Atlantic heather moor White bent grassland Bog heather moor and blanket bog
		478	Peaty gleys, peat; some peaty podzols	Undulating lowlands and hills with gentle and strong slopes; slightly rocky	Bog heather moor and blanket bog Moist Atlantic heather moor Heath-rush - fescue grassland
		479	Brown forest soils; some brown rankers, humus-iron podzols and humic gleys	Lowlands and hill sides with gentle to very steep slopes; moderately rocky	Acid bent-fescue grassland Dry Atlantic heather moor, locally rich. Permanent pastures
STIRLING/DUFFUS/ POW/CARBROOK	Estuarine and lacustrine raised beach silts and clays	487	Brown forest soils with gleying; some noncalcareous gleys	Raised beach terraces with gentle slopes	Arable and permanent pastures Rush pastures and sedge mires
		488	Noncalcareous gleys; some peaty gleys and peat	Raised beach terraces with gentle slopes	Arable and permanent pastures Rush pastures and sedge mires Blanket bog
STONEHAVEN	Drifts derived from Lower Old Red Sandstone conglomerates and lavas	490	Brown forest soils; some humus-iron podzols and noncalcareous gleys	Undulating lowlands and foothills with gentle and strong slopes; non-rocky	Arable and permanent pastures Acid bent-fescue grassland Broad-leaved woodland

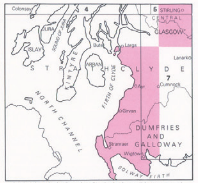
SOIL SURVEY OF SCOTLAND

SOUTH-WEST SCOTLAND

SHEET 6 (SOIL)



SOIL ASSOCIATIONS	PARENT MATERIALS		COMPONENT SOILS	LANDFORMS	VEGETATION
STONEHAVEN	Drifts derived from Lower Old Red Sandstone conglomerates and lavas	493	Humus-iron podzols; some peaty podzols and gleys	Undulating lowlands and foothills with gentle and strong slopes; non-rocky	Dry Atlantic heather moor Acid bent-fescue grassland White bent grassland
		495	Brown forest soils; some humus-iron podzols, brown rankers and gleys	Hill and valley sides with strong and steep slopes; moderately rocky	Acid bent-fescue grassland Dry Atlantic heather moor Rush pastures and sedge mires
		496	Humus-iron podzols; some brown forest soils, rankers and gleys	Hills and valley sides with strong and steep slopes; moderately rocky	Dry Atlantic heather moor Acid bent-fescue grassland White bent grassland
STRICHEN	Drifts derived from arenaceous schists and strongly metamorphosed argillaceous schists of the Dalradian Series	497	Noncalcareous gleys, humic gleys; some peaty gleys and humus-iron podzols	Undulating lowlands and valley sides with gentle and strong slopes; non-rocky	Rush pastures and sedge mires Acid bent-fescue grassland
		498	Humus-iron podzols; some brown forest soils and gleys	Undulating lowlands and hills with strong and steep slopes; non-rocky	Dry Atlantic and Boreal heather moor. Acid bent-fescue grassland Bog heather moor
		500	Peaty podzols, peat; some peaty gleys	Hills and valley sides with gentle to steep slopes; non-rocky	Atlantic and Boreal heather moor Bog heather moor Blanket and flying bent bog
		501	Peat, peaty gleys, some peaty podzols	Undulating lowlands and hills with gentle and strong slopes; non-rocky	Blanket and flying bent bog Bog heather moor. Atlantic heather moor, locally Boreal
		502	Peaty gleys, peat; some peaty podzols	Hill sides with steep slopes; non-rocky	Blanket and flying bent bog Bog heather moor. Atlantic heather moor, locally Boreal
		503	Humus-iron podzols and brown forest soils; some gleys and peat	Hummocky valley moraines	Acid bent-fescue grassland Permanent pastures Oak and birchwood
		504	Peaty podzols, peaty gleys and peat	Hummocky valley and slope moraines	Dry and moist Atlantic heather moor. Heath-rush - fescue grassland. Blanket bog
		505	Brown forest soils, humus-iron podzols, humic gleys	Hill and valley sides with strong to very steep slopes; slightly and moderately rocky	Acid bent-fescue grassland Broad-leaved woodland Rush pastures and sedge mires
		506	Peaty podzols, humus-iron podzols; some peaty gleys and peaty rankers	Hills and valley sides with strong to very steep slopes; moderately rocky	Dry Atlantic and Boreal heather moor. White bent grassland Atlantic and bog heather moor
		507	Peaty gleys, peat; some peaty podzols and peaty rankers	Hill sides with gentle and strong slopes; moderately rocky	Bog heather moor and blanket bog Atlantic and Boreal heather moor Heath-rush - fescue grassland
		508	Brown rankers, brown forest soils; some humus-iron podzols and gleys	Hills and valley sides with steep and very steep slopes; very rocky	Bent-fescue grassland Rush pastures and sedge mires Oak and birchwood
		509	Rankers, peaty podzols; some humus-iron podzols and peaty gleys	Rugged hills with strong and steep slopes; very rocky	Dry Atlantic and Boreal heather moor. White bent grassland Blaeberry heath
		510	Peaty gleys, peaty podzols, peaty rankers	Hill sides with strong to very steep slopes; moderately to very rocky	Atlantic and Boreal heather moor Heath-rush - fescue grassland
		511	Peaty gleys, peaty rankers, peat, some peaty podzols	Rugged hills with gentle to strong slopes; very rocky	Atlantic, Boreal and bog heather moor. Blanket bog Heath-rush - fescue grassland
		512	Subalpine soils; some rankers and peat	Mountains with gentle to very steep slopes; non- to very rocky	Fescue - fringe-moss heath Stiff sedge - fescue grassland Mountain blanket bog
		513	Peat, subalpine soils; some alpine soils	Mountains with gentle and strong slopes; non- to moderately rocky	Mountain blanket bog Fescue - fringe-moss heath Stiff sedge - fescue grassland
TARVES	Drifts derived from intermediate rocks or mixed acid and basic rocks, both metamorphic and igneous	519	Humic gleys, brown forest soils; some peaty podzols and peaty gleys	Ridged low hills with strong slopes; moderately rocky	Rush pastures and sedge mires Bent-fescue and white bent grassland. Bog heather moor
		525	Brown forest soils, humus-iron podzols, some humic gleys	Hill and valley sides with steep slopes; slightly to moderately rocky	Acid bent-fescue grassland Heath-rush - fescue grassland Rush pastures and sedge mires
		526	Brown forest soils, humic gleys; some peaty gleys and peaty podzols	Ridged low hills with gentle to very steep slopes; very rocky	Bent-fescue grassland Rush pastures and sedge mires
TARVES	Drifts derived from intermediate rocks or mixed acid and basic rocks, both metamorphic and igneous	528	Peaty gleys, peat, some peaty podzols	Ridged hills with gentle to strong slopes; moderately rocky	Atlantic and Boreal heather moor Bog heather moor Blanket and flying bent bog
		529	Brown rankers, brown forest soils; some gleys and humus-iron podzols	Rugged hills and valley sides with steep and very steep slopes; very rocky with scree	Acid bent-fescue grassland Dry Atlantic heather moor Oak, birch and hazelwood
		531	Peaty gleys, peaty rankers, some peat	Ridged hills with gentle to strong slopes; very rocky	Bog heather moor Atlantic and Boreal heather moor. Blanket bog
TOROSAY	Drifts derived from Tertiary acid, intermediate and basic igneous rocks	546	Brown forest soils, brown rankers; some humic gleys and peaty gleys	Hillocky and weakly terraced land with gentle to strong slopes; moderately rocky	Acid bent-fescue grassland Arable and permanent pastures Rush pastures and sedge mires
		548	Peaty gleys, peat, some peaty rankers and peaty podzols	Weakly terraced hill sides with gentle to steep slopes; moderately rocky	Flying bent grassland and bog Moist Atlantic heather moor
		549	Peaty podzols, humus-iron podzols, some peaty gleys and peaty rankers	Weakly terraced hill sides with steep and very steep slopes; moderately rocky	Heath-rush - fescue, grassland Acid bent-fescue grassland Atlantic heather moor
		550	Peaty gleys, peaty rankers, peat, some peaty podzols	Weakly terraced hill sides with steep and very steep slopes; very rocky	Moist Atlantic heather moor Bog heather moor. Blanket and upland blanket bog
TORRIDON	Drifts derived from Torridonian sandstones and grits	552	Noncalcareous gleys, humic gleys; some peaty gleys	Gently undulating lowlands; occasionally slightly rocky	Arable and permanent pastures Rush pastures and sedge mires
		554	Peaty podzols, peat, peaty gleys	Hummocky valley and slope moraine, often bouldery	Bog and northern bog heather moor Blanket and flying bent bog Moist Atlantic heather moor
		555	Brown forest soils, brown rankers; some humic gleys and peaty gleys	Valley sides with strong to very steep slopes; moderately rocky	Bent-fescue grassland Oak, birch and hazelwood Rush pastures and sedge mires
		556	Peaty gleys, peat, some peaty podzols	Undulating lowlands and hill sides with gentle and strong slopes; non-rocky	Moist Atlantic heather moor Bog heather moor Blanket and flying bent bog
		557	Peaty gleys, peat, some peaty podzols and peaty rankers	Undulating hills with gentle and strong slopes; moderately rocky	Bog and northern bog heather moor Blanket and flying bent bog Moist Atlantic heather moor
		558	Peaty gleys, peat, peaty rankers; some peaty podzols	Rugged hills with gentle and strong slopes; very rocky	Bog and northern bog heather moor Blanket and flying bent bog Moist Atlantic heather moor
YARROW/FLEET	Fluvioglacial gravels and sands derived mainly from greywackes	576	Brown forest soils	Mounds and terraces with gentle slopes	Arable and permanent pasture Acid bent-fescue grassland
		577	Brown forest soils	Terraces and mounds with gentle slopes	Arable and permanent pasture Acid bent-fescue grassland
		578	Brown forest soils, peat, peat-alluvium	Mounds and discontinuous terraces with gentle slopes	Arable and permanent pasture Acid bent-fescue grassland Soft rush pasture
		579	Brown forest soils, alluvial soils	Terraces of fluvioglacial and riverine origin with gentle slopes	Arable and permanent pastures Soft rush pasture
		580	Humus-iron podzols, peat	Mounds and terraces with gentle slopes	Dry and moist Atlantic heather moor Blanket bog
		▨	Bare rock, scree and cliffs		
		⬠	Built-up areas		



Location of area showing the numbers of overlapping sheets and those areas covered by published maps on 1:63 360 or 1:50 000 scales – ▨

Kilometres 10 5 0 5 10 15
Miles 5 0 5 10
4 centimetres to 10 kilometres (one grid square)
1 kilometre = 0·6214 mile
1 mile = 1·61 kilometres

Scale 1:250 000

© Crown copyright 1982

Made and published by the Ordnance Survey, Southampton for the Macaulay Institute for Soil Research, Soil Survey of Scotland
Soil mapping by Soil Survey of Scotland staff
Base map compiled and drawn by the Macaulay Institute for Soil Research from Ordnance Survey 1:250 000 topographic and administrative maps.
Head of Soil Survey, R. Grant
THE MACAULAY INSTITUTE FOR SOIL RESEARCH, ABERDEEN 1981
1200/82

The James Hutton Institute

This map is illustrative and higher resolution maps can be downloaded from http://www.hutton.ac.uk/ or by contacting: soils@hutton.ac.uk