

EXCEL DATABASE OF MORE SPECIALISED TURBOVEG DATA FIELDS CREATED AND USED WITHIN THE NATIONAL VEGETATION DATABASE

This list is likely to increase as new surveys with data fields not included here are added. A continually updated version of this table is made available through the National Vegetation Database website.

Type	FIELD NAME	FIELD_CODE	T Y P E	LENGTH	DECIMAL	DESCRIPTION
Additional Vegetation cover values						
% Cover values - general	% canopy in quadrat (woodland)	CANOPY	C	15	0	Percentage area of canopy in quadrat
	% ground shrub cover (woodland)	COV_GRSHR	C	15	0	Percentage ground shrub cover in woodland quadrat
	% field layer in quadrat	FIELD_LYR	C	15	0	Percentage area of field layer in quadrat
	% ground layer in quadrat	GROUND_LYR	C	15	0	Percentage area of ground layer in quadrat
	% cover of ground layer	COV_GLAYER	C	15	0	Give % cover for ground layer vegetation
	% Scrub cover	COV_SCRUB	C	15	0	Give the % cover of scrub in a relevé
	% cover dwarf shrubs	DSHRB_COV	C	15	0	Cover of dwarf shrubs (%)
	% cover tall herbs	THERB_COV	C	15	0	The cover of tall herbs (%)
	% cover graminoids	GRAM_COV	C	15	0	Percentage cover of graminoids
	% cover grasses	COV_GRASS	C	15	0	Gives the % grass cover in a relevé
	% cover of forbs	COV_FORBS	C	15	0	Gives % cover of forbs in a relevé
	% cover reeds	COV_REED	C	15	0	% cover of reeds in a relevé
	% cover of sedges	COV_SEDGE	C	15	0	Gives the % sedge cover in a relevé
% cover values - aquatic vegetation	% cover emerged plants in water	COV_EMER	C	15	0	% cover of emergent plants in water
	% cover floating leaf plants	COV_FLL	C	15	0	% cover of floating leaf plants in water
	% cover submerged plants	COV_SUB	C	15	0	% cover of submerged plants in water
% cover values - woodland vegetation	% cover of main canopy	COV_CANM	C	15	0	% cover for dominant tree species which makes up most of the canopy cover
	% cover of canopy (other trees)	COV_CANO	C	15	0	% cover for trees other than the dominant tree species that have been planted or naturally regenerated
	% cover of large shrubs	COV_SHRBL	C	15	0	% cover of large shrubs (2-5m in height) in a woodland relevé
	% cover of brambles	COV_BRAMB	C	15	0	% cover of woody vegetation with scrambling growth habit including Rosa and Rubus species
	% cover of climbers	COV_CLIMB	C	15	0	% cover of woody plants with creeping or climbing growth habit including Hedera and Lonicera
	% cover of ferns	COV_FERN	C	15	0	% cover of ferns in a relevé

Type	FIELD NAME	FIELD_CODE	T Y P E	LENGTH	DECIMAL	DESCRIPTION
% cover values - bryophytes/lichens/algae	% cover of sphagnum	COV_SPHAG	C	15	0	Gives the % cover of Sphagnum in a relevé
	% cover of bushy lichens	COV_BLICH	C	15	0	Gives the % cover of bushy lichens
	% cover of crustose lichens	COV_CLICH	C	15	0	Gives the % cover of crustose lichens
	% cover of lichens given as a range of values	COV_LICH	C	15	0	% cover of lichens given as a range of values
	% cover filamentous algae	COV_FILAL	C	15	0	Percentage cover of filamentous algae in quadrat
	% algal mat present on bare peat	ALGAL_MAT	C	15	0	Percentage of algal mat present on bare peat
% cover values - dead vegetation	% cover dead vegetation	DEAD_VEGN	C	15	0	Percentage of dead vegetation
	% cover dead wood (woodland)	DEADWOOD	C	15	0	Percentage area of dead wood present in quadrat
	% cover decayed vegetation	DECAY_VEGN	C	15	0	Percentage of decayed vegetation in quadrat
	% cover tidal litter	TIDAL_LITT	C	15	0	Percentage of tidal litter present in quadrat
Braun-Blanquet cover values	Cover abundance (BB old) for algae	ALGACOV_BB	C	1	0	Cover abundance in Braun-Blanquet (old) scale for algae in a quadrat.
	Cover abundance (BB old) for bryophytes	BRYOCOV_BB	C	1	0	Cover abundance in Braun-Blanquet (old) scale for bryophytes in a quadrat
Domin Cover values	Bare earth Cover - DOMIN scale	DOM_EARTH	N	2	0	Bare earth cover is given a DOMIN cover value in the relevé
	Bracken Cover - DOMIN scale	DOM_BRACK	N	2	0	Bracken cover is given a DOMIN cover value in the relevé
	Dung Cover - DOMIN scale	DOM_DUNG	N	2	0	Dung cover is given a DOMIN cover value in the relevé
	Dwarf Shrub Cover - DOMIN scale	DOM_DSHRB	N	2	0	Dwarf shrub cover is given a DOMIN cover value in the relevé
	Forbs Cover - DOMIN scale	DOM_FORBS	N	2	0	Forbs cover is given a DOMIN cover value in the relevé
	Grass/Sedge Cover - DOMIN scale	DOM_GRSSG	N	2	0	Grass/sedge cover is given a DOMIN cover value in the relevé
	Litter Cover - DOMIN scale	DOM_LITTER	N	2	0	Litter cover is given a DOMIN cover value in the relevé
	Macro-lichen Cover - DOMIN scale	DOM_LICHEN	N	2	0	Macro-lichen cover is given a DOMIN cover value in the relevé
	Moss Cover - DOMIN scale	DOM_MOSS	N	2	0	Moss cover is given a DOMIN cover value in the relevé
	Rock Cover - DOMIN scale	DOM_ROCK	N	2	0	Rock cover is given a DOMIN cover value in the relevé
	Shrub Cover - DOMIN scale	DOM_SHRB	N	2	0	Shrub cover is given a DOMIN cover value in the relevé
Additional other cover values						
% Cover values - general	% dung cover	COV_DUNG	C	15	0	Gives % dung cover in a relevé
	% Shade cover	COV_SHADE	C	15	0	% shade cover
	% boulder cover	COV_BOU	C	15	0	Percentage cover of boulders (not bare) in quadrat

Type	FIELD NAME	FIELD_CODE	T Y P E	LENGTH	DECIMAL	DESCRIPTION
Additional vegetation measurements						
Specific height - general vegetation	Height - maximum of vegetation	MAX_HT	C	15	0	Maximum height of vegetation (cm)
	Height -average/general of vegetation (cm)	AVERAGE_HT	C	15	0	Gives average or general height of vegetation in a relevé. Measured in cm
Specific height -vegetation groups	Height - forbs	FORBS_HGHT	C	15	0	Gives the height of forbs in a relevé
	Height - shrubs	SHRUB_CM	C	15	0	Height of shrubs in cm
	Height - graminoids	GRAM_HGHT	C	15	0	Height of graminoids in cm
	Height - mosses	MOSS_MM	C	15	0	Moss height (mm)
	Height - reed vegetation	REED_CM	C	15	0	Height of reed vegetation in a relevé. Measured in cm
Specific height - aquatic vegetation	Height - emergent vegetation (aquatic)	EMER_HIGH	C	15	0	Height of Emergent vegetation in cm
	Height - floating leaf vegetation (aquatic)	FLL_HIGH	C	15	0	Height of Floating leaf vegetation in cm
	Height - submergent vegetation (aquatic)	SUB_HIGH	C	15	0	Height of submergent vegetation in cm
Vegetation height range	Height - range of herb/grasses	RANGEHB_CM	C	20	0	Range of height of herb/grass (cm)
	Height - range of scrub height	SCRUB_HRNG	C	20	0	Gives the range of height of scrub present in a relevé
	Height - range of shrub height	SHRB_HRNG	C	20	0	Gives the range of height of shrubs present in a relevé
	Height -range of tree height	TREE_HRNG	C	20	0	Gives the range of height of trees present in a relevé
Additional area, altitude, aspect measurements						
General surveys	Altitude range	ALT_RANGE	C	15	0	Altitude given as a range measured in metres.
	Aspect NSEW	ASP_NSEW	C	15	0	Aspect is given in relation to the compass rose, north, south, east, west e.g. NNW, ENE, S W etc
	Aspect of quadrat NSEW	ASP_QUAD	C	15	0	Aspect of quadrat is given in relation to the compass rose, north, south, east, west e.g. NNW, ENE, S W etc
	Slope range	SLOPE_RNGE	C	15	0	Gives slope range value in degrees
	Relevé exposed or sheltered	EXP_DES	C	99	0	Whether the position of the relevé was exposed or sheltered.
	Measurement of area within which a survey took place	AREA_DIM	C	15	0	The measurement of the dimensions of an area being surveyed within which relevés were taken (m).
Aquatic surveys	Lake area	AREA_LAKE	C	15	0	Lake area measured in Hectares
	River bank height	BANK_HIGH	C	15	0	Height of bank (cm)
	River channel width	CHAN_WIDT H	C	15	0	Width of river channel (m)
	Length of river stretch surveyed	STR_LENGTH	C	15	0	The length of the stretch of river surveyed.

Type	FIELD NAME	FIELD_CODE	T Y P E	LENGTH	DECIMAL	DESCRIPTION
Landscape & topography						
General descriptions	Description of habitat within relevé	HAB_DESC	C	99	0	Description of vegetation habitat within the relevé
	Description of surrounding landscape	LANDSCAPE	C	99	0	The surrounding landscape
	Description of microtopography	MICRO_TOP	C	99	0	The micro-topography of the relevé
	Description of relevé surface	SURFACE	C	99	0	Description of the surface of the relevé
Phenology	Phenology measurement	PHENOLOGY	C	99	0	Phenology of the stand
Landuse and management						
Human impact	Surrounding landuse	LANDUSE	C	99	0	The surrounding landuse
	Level of site disturbance	DISTURB	C	99	0	Level of site disturbance
	Habitat conditions	HAB_COND	C	99	0	Habitat conditions
	Description of threats - general	THREATS	C	99	0	A short description of any potential threats to the vegetation within the survey area such as grazing
	Damage	DAMAGE_CA T	C	99	0	Damage category
	Relevé in area that is burnt or not	BURNING	C	99	0	If area is burnt
	Relevé in coppiced area or not	COPPICE	C	99	0	Quadrat taken in coppiced area or not
	Recreational use	REC_USE	C	99	0	Extent or description of recreational use
	Trampling	TRAMPLING	C	99	0	Extent or description of trampling in a relevé
	Drainage	DRAINAGE	C	99	0	Extent or description of drainage in an area, can be natural or man-made
Vegetation impact	Scrub Threat	SCR_THRT	C	99	0	This value represents the threat of scrub invasion in to existing vegetation
	Bracken Threat	BRACK_THRT	C	99	0	This value represents the threat of bracken invasion in to existing vegetation
	Calluna Threat	CALL_THRT	C	99	0	This value represents the threat of Calluna invasion in to existing vegetation
	Hazel Threat	HAZ_THRT	C	99	0	This value represents the threat of Hazel invasion in to existing vegetation
	Scrub Threat, excluding hazel	OSCB_THRT	C	99	0	This value represents the threat of scrub invasion, other than hazel in to existing vegetation
Animal impact	Level of site grazing	GRAZING	C	99	0	Levels of grazing
	Summer Grazing Intensity	SUM_GRAZE	C	99	0	This value represents the intensity of summer grazing in the sample area
	Winter Grazing intensity	WIN_GRAZE	C	99	0	This value represents the intensity of winter grazing in the sample area
	Poaching	POACHING	C	99	0	Percentage Area poached

Type	FIELD NAME	FIELD_CODE	T Y P E	LENGTH	DECIMAL	DESCRIPTION
Soil & substrate						
Substrate description	Soil type	SOIL_TYPE	C	99	0	Soil type
	Substrate description	SUBSTRATE	C	99	0	Description of substrate. Example whether firm or soft underfoot, or general description of particle size
	Description of geological bedrock	GEO_TYPE	C	99	0	Describes the surrounding geological bedrock
	Parent material of soil	PRNT_MTRL	C	99	0	Parent material of soil
Substrate depth	Depth - peat	PEAT_DEPTH	C	15	0	Depth of peat in cm or m
	Soil depth	SOIL_CM	N	5	1	Soil depth (cm)
	Soil depth range	SOIL_RANGE	C	15	0	Soil depth is given a range of depth measurements
	Range of depth of substrate	SUB_RGECM	C	20	0	Gives the range of depth of soil/peat etc. in a relevé. Measured in cm
Substrate analyses	Soil moisture content or range	MOIST_CONT	C	15	0	Gives the moisture content or range in a soil sample
	Soil moisture %	MOIST_SOIL	C	15	0	Percentage Soil moisture
	Soil organic matter content	ORG_CONT	C	15	0	Gives the amount of organic matter in a soil sample
	pH measurement	PH_VAL	N	3	1	pH
	Calcium content	SOIL_CA	N	10	3	Gives the calcium content in a soil sample
	Phosphorus content	SOIL_P	N	10	3	Gives the phosphorus content in a soil sample
	Potassium content	SOIL_K	N	10	3	Gives the potassium content in a soil sample
	Magnesium content	SOIL_MG	N	10	3	Gives the magnesium content in a soil sample
	Carbon content	SOIL_CARB	N	10	3	Carbon content in a soil sample
	Nitrogen content	SOIL_NIT	N	10	3	Nitrogen content in a soil sample
	Loss on ignition	LOI_SOIL	N	10	3	Loss on ignition of a soil sample
Bare substrate cover values	% bare substrate cover	BAR_SUB	C	15	0	Percentage cover of bare substrate in quadrat
	% bare mud cover	BARE_MUD	C	15	0	Percentage of bare mud in quadrat
	% bare peat cover	BARE_PEA	C	15	0	Percentage of Bare Peat
	% bare soil cover	BARE_SOIL	C	15	0	Cover bare soil (%)
	% bare gravel cover	BAR_GRAV	C	15	0	Percentage cover of bare gravel in a quadrat
	Braun Blanquet bare ground cover	BB_GROUND	C	1	0	Bare ground cover in a quadrat using the Braun-Blanquet (old) scale

Type	FIELD NAME	FIELD_CODE	T Y P E	LENGTH	DECIMAL	DESCRIPTION
Substrate cover values in river beds	% clay cover in river bed	COV_CLAY	C	15	0	% cover of clay in the river bed substrate
	% silt cover in river bed	COV_SILT	C	15	0	% cover of silt in the river bed substrate
	% sand cover in river bed	COV_SAND	C	15	0	% cover of sand in the river bed substrate
	% gravel cover in river bed	COV_GRAVEL	C	15	0	% cover of gravel in the river bed substrate
	% stone cover in river bed	COV_STONES	C	15	0	% cover of stones in the river bed substrate
	% boulder cover in river bed	COV_BOUL	C	15	0	% cover of boulders in the river bed substrate
	% rock cover in river bed	COV_RCK	C	15	0	% cover of rock in the river bed substrate
	% bedrock cover in river bed	COV_BDR	C	15	0	% cover of bedrock in the river bed substrate
	% marl cover in river bed	COV_MARL	C	15	0	% cover of marl in the river bed substrate
	% peat cover in river bed	COV_PEAT	C	15	0	% cover of peat in river bed substrate
Water						
General	Water depth	WATER_CM	C	15	0	Water depth (cm)
	Depth of water table	WAT_TABLE	C	15	0	Depth of the water table measured from the surface of the ground down to the surface of the water table underground (m)
	Waterbody size	WATBD_SIZE	C	99	0	Size of water body was based on the width of water channel.
	Frequency of flooding	FLOODING	C	99	0	Frequency of flooding
	Flow rate	FLOW_RATE	C	99	0	How fast the water was flowing in the brook, stream or river
Water analyses	Alkalinity of water sample	ALK_MEAS	N	5	2	Alkalinity of water samples was measured in 'ml HCL'
	Calcium hardness of water sample	CA_MEAS	N	5	1	Measurement of Ca hardness in river water samples
	Water salinity	SALINITY	N	5	3	Salinity of water
	Total Phosphate in water sample	TOTAL_P	N	5	3	Total phosphate in a river water sample
	Conductivity of water sample	COND_MEAS	N	5	1	Conductivity of water samples was measured in 'µS'
Permanent plots and transects						
General	Year quadrat was resurveyed	YEAR_QUAD	C	15	0	Year quadrat was re-surveyed
	Whether quadrat is staked or not	STAKED	C	15	0	Whether quadrat is staked or not
	Exclosure size	EXCL_SIZE	C	15	0	Exclosure size (m2)
	Exclosure code	EXCL_CODE	C	15	0	Exclosure code used in report
	Length of transect	LENGTH_TRAN	C	15	0	Length of transect
	Origin of transect	ORIGIN_TR	C	99	0	Description of habitat at the origin of transect
	Position of quadrat along transect	POS_QUAD	C	15	0	Position of quadrat along transect
	Quadrat frequency	QUAD_FREQ	C	15	0	Quadrat frequency
	Endpoint of transect	END_TR	C	99	0	Description of habitat at the endpoint of transect

Type	FIELD NAME	FIELD_CODE	T Y P E	LENGTH	DECIMAL	DESCRIPTION
General (contd).	Transect code	TRAN_NAME	C	15	0	Gives the name or code of a transect
	Transect number within survey	TRANSECT	C	15	0	Transect number in survey
General survey codes						
General	Site code in original survey	SITE_NO	C	20	0	Site code in original survey
	Plant community that the relevé has been assigned to	COMMUNITY	C	99	0	Plant communities
	Quadrat position	QUAD_POS	C	99	0	Describes where a relevé is positioned in relation to surrounding features such as lake shore or enclosure
Codes used in specific surveys						
Survey specific codes		CALL_DETAILS	C	99	0	Details about Calluna vulgaris, growth phase and height and condition of heather
		COPP_ENDX	C	15	0	X coordinate for end of the coppiced area
		COPP_ENDY	C	15	0	Y coordinate for end of coppiced area
		COPPICE_YR	C	15	0	Year wood was coppiced
		COV_GRSSP	C	15	0	Gives % cover of some grass species in a relevé
		RHODO_CAT	C	99	0	Assigns a category based on branching and height to Rhododendron plants recorded in a relevé
		RUP_DITCH	C	15	0	Percentage 'Ruppia' ditch bank present in quadrat
		SUBCOMP	C	15	0	Sub-compartment of wood
		WOOD_ENDX	C	15	0	X coordinate for end of the wooded area
		WOOD_ENDY	C	15	0	Y coordinate for end of the wooded area
		ZONE	C	99	0	Zone in woodland
		PLOT_NUMB	C	15	0	Plot number in Brackloon Wood
		SAMPLE_PT	C	15	0	Sample point in relation to the lagoon
		TOPOGRAPHY	C	15	0	Unique codes for topography/Habitat
		DUNG_TYPE	C	15	0	Describes the type of dung found within a relevé
		NPHYTOCODE	C	15	0	NPHYTO code
		COWPAT_NO	C	15	0	Gives the number of cowpats present in a relevé
		HYDRO_PER	C	15	0	Gives the hydroperiod of an area in which a relevé was taken
Woodland survey codes	Forest type	FOR_TYPE	C	99	0	Describes the woodland/ forest type in terms of the dominant trees species present
	Forest structure	FOR_STRUC	C	99	0	Describes the woodland/ forest structure. Example: Pre-thicket, thicket, mature, re-opening
	Forest age	FOR_AGE	C	15	0	Gives the age in years of the woodland/ forest at the time when surveyed
	Tree distance	DIST_TREES	C	15	0	Distance between planted trees in a woodland/forest
	Year of tree planting	YEAR_PLANT	C	15	0	The year that the trees were planted in a woodland/forest
	Litter depth	LITT_DEPTH	C	15	0	Depth of litter in a woodland/forest measured in cm