

Maritime Cliff and Slope Inventory: MapInfo table specification

This document describes the structure of the MapInfo data tables for the Maritime Cliff and Slope Inventory. It is intended for use by contractors creating Inventory data, and Natural England staff assessing the quality of contract products. Any queries regarding the interpretation of these guidelines should be addressed to the Natural England project officer.

Table naming

All the tables should be named using the following convention:

SiteCode_TableTypeSuffix

The site code is to be generated by the contractor as an abbreviated version of the site name, no longer than ten characters plus the survey year. The site code should not contain spaces or symbols, but can be capitalised for emphasis. For example the 'Boscastle to Widemouth' survey has been assigned a site code of 'BosWid2003'. The table type suffix is text that identifies the content of the table. The suffix for each table is listed with its specification.

Further information

This leaflet was developed as part of the work on NERR003 *Maritime Cliff and Slope Inventory 2004/2005* written by C.T. Hill, R.H.E. Downes, and A.J.P. Harfoot of the GeoData Institute, University of Southampton, Southampton, SO17 1BJ, www.geodata.soton.ac.uk

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Survey macro polygon boundaries

- Table type suffix: macro
- Spatial data type: Region / polygon

Table 1 - This table holds the polygons delimiting the survey area.

Attribute name	Attribute type	Unique values	Entry validation	Sample value	Comment
site_code	Character (length = 20)	Yes		BosWid2003	The abbreviated site code and survey year described in the table naming section
title	Character (length = 100)	No		Interim Report. National Vegetation Classification survey of Boscastle to Widemouth SSSI 2003	Title of survey
abstract	Character (length = 254)	No		NVC survey of Boscastle to Widemouth SSSI. Survey was carried out in 2003	Brief description of survey
capture_st	Character (length = 10)	No		06/2003	Start date of habitat survey
capture_en	Character (length = 10)	No		08/2003	End date of habitat survey
report_dat	Character (length = 10)	No		27/02/2004	Date of report
EN_LAT	Character (length = 20)	No		Cornwall	Former English Nature area team that commissioned the survey
EN_officr	Character (length = 20)	No		Mark Beard	Former English Nature officer responsible for the survey
contractor	Character (length = 50)	No		Spalding Associates (Environmental) Ltd	The name of company undertaking the survey on behalf of English Nature (now Natural England)

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Vegetation polygons

- Table type suffix: vegetation
- Spatial data type: Region / polygon

Table 2 - This table holds the polygons delimiting the different vegetation types recorded in the survey.

Attribute name	Attribute type	Unique values	Entry validation	Sample value	Comment
site_code	Character (length = 20)	No		BosWid2003	The abbreviated site code described in the table naming section
poly_ID	Character (length = 20)	Yes	Site code plus incrementing number, separated by '/'	BosWid2003/0001	A combination of the site code and a number incremented with each new entry
veg_type	Character (length = 20)	No	Alphanumeric survey code, NVC for vegetation, Phase 1 or MNCR for other	NVC: MC8b Phase 1: H8.1	The dominant vegetation category in the polygon by area
mosaic_T_F	Logical	No		Y	Is the vegetation in the polygon a mosaic of classes
survey_typ	Small Integer	No	A Number corresponding to habitat classification used for polygon	Non – standard: 0 NVC: 1 Phase 1: 2 MNCR: 3 IHS: 4	The habitat classification used for the polygon

	site_code	poly_ID	vegetation_type	mosaic_T_F	survey_type
<input type="checkbox"/>	SPMM2002	SPMM2002/35	I1.2	F	2
<input type="checkbox"/>	SPMM2002	SPMM2002/36	MC9c	F	1
<input type="checkbox"/>	SPMM2002	SPMM2002/55	MC8f	T	1
<input type="checkbox"/>	SPMM2002	SPMM2002/92	W23c	T	1
<input type="checkbox"/>	SPMM2002	SPMM2002/94	MG6b	T	1
<input type="checkbox"/>	SPMM2002	SPMM2002/98	I1.2	T	2

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Vegetation mosaic table

- Table type suffix: mosaic
- Spatial data type: No spatial data

Table 3 - This table holds entries for each component vegetation type for every vegetation polygon.

Attribute name	Attribute type	Unique values	Entry validation	Sample value	Comment
poly_ID	Character (length = 20)	No		BosWid2003/0001	The poly_id for the vegetation polygon being described
veg_type_m	Character (length = 20)	No	Alphanumeric survey code, NVC for vegetation, Phase 1 or MNCR for other	NVC: MC8b Phase 1: H8.1 MNCR: ?	The component vegetation category
percentage	Small Integer	No	Integer number between 1 and 100	50	The component percentage cover
survey_typ	Small Integer	No	Code corresponding to habitat classification used for polygon	NVC = 1 Phase 1 = 2	The habitat classification used for the polygon

	poly_ID	vegetation_type_mo	percentage	survey_type
<input type="checkbox"/>	SPMM2002/55	MC8f	75	1
<input type="checkbox"/>	SPMM2002/55	MC5b	15	1
<input type="checkbox"/>	SPMM2002/55	I1.2	10	2
<input type="checkbox"/>	SPMM2002/56	H7a	100	1
<input type="checkbox"/>	SPMM2002/57	W22c	100	1
<input type="checkbox"/>	SPMM2002/58	H7a	100	1

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Quadrats

- Table type suffix: quadrat
- Spatial data type: Point

Table 4 This table holds the locations of quadrats used in vegetation classification.

Attribute name	Attribute type	Unique values	Entry validation	Sample value	Comment
quadrat_no	Character (length = 20)	No		Q001	The quadrat number – used to refer to description in separate file
site_code	Character (length = 20)	No		BosWid2003	The abbreviated site code described in the table naming section
quadrat_ID	Character (length = 40)	Yes	Site code plus quadrat number, separated by '/'	BosWid2003/Q001	A unique ID for the quadrat

	quadrat_number	site_code	quadrat_ID
<input type="checkbox"/>	5	Flam2002	Flam2002/5
<input type="checkbox"/>	6	Flam2002	Flam2002/6
<input type="checkbox"/>	7	Flam2002	Flam2002/7
<input type="checkbox"/>	8	Flam2002	Flam2002/8
<input type="checkbox"/>	9	Flam2002	Flam2002/9

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Target notes

- Table type suffix: target
- Spatial data type: Point

Table 5 - This table holds the locations of target notes recorded during the survey.

Attribute name	Attribute type	Unique values	Entry validation	Sample value	Comment
site_code	Character (length = 20)	No		BosWid2003	The abbreviated site code described in the table naming section
target_ID	Character (length = 20)	Yes	Site code plus incrementing number, separated by '/'	BosWid2003/001	A unique ID for the target note
targ_note	Character (length = 254)	No		Bryophyte flush community	The text of the target note – this may be truncated due to field length restrictions, and the full text stored separately and linked via the target_id

	site_code	target_ID	target_note
<input type="checkbox"/>	SPMM2002	SPMM2002/11	Appears to have been heath, but now mainly dead (fire?). Heath is regenerating but
<input type="checkbox"/>	SPMM2002	SPMM2002/12	Area of Rubus fruticosus scrub with grassy cattle tracks and scattered Ulex europ.
<input type="checkbox"/>	SPMM2002	SPMM2002/13	Large area of semi-improved grassland with scattered Ulex europaeus. Species-ric
<input type="checkbox"/>	SPMM2002	SPMM2002/14	Rubus fruticosus has invaded grassland. Grassland left only alongside cattle track
<input type="checkbox"/>	SPMM2002	SPMM2002/20	Vegetation along cliff tops, adjacent to fields shows signs of agricultural improveme

Example

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Photographs

- Table type suffix: photo
- Spatial data type: Point

Table 6 - This table holds the locations of photo's taken during the survey.

Attribute name	Attribute type	Unique values	Entry validation	Sample value	Comment
site_code	Character (length = 20)	No		BosWid2003	The abbreviated site code described in the table naming section
poly_ID	Character (length = 20)	No		BosWid2003/001	The poly_id of the vegetation polygon photographed
photo_ID	Character (length = 20)	Yes	Site code plus incrementing number, separated by '/'	BosWid2003/001	A unique ID for the photograph
photo_deg	Smallint	No	Integer number between 0 and 359	150	The magnetic bearing on which the photograph was taken. For a panorama, the bearing of the centre point.
targ_note	Character (length = 254)	No		Heavily grazed heath	A description of the photograph subject

site_code	poly_ID	photo_ID	photo_DEG	target_note
<input type="checkbox"/> AxLReg2003	AxLReg2003/2	1003733CHP11	0	Culverhole flush west side Polygon 5
<input type="checkbox"/> AxLReg2003	AxLReg2003/3	1003733CHP12	0	Culverhole Slipping clay in SX scrub Polygon 4
<input type="checkbox"/> AxLReg2003	AxLReg2003/3	1003733CHP13	0	Culverhole SX scrub open flush Polygon 4
<input type="checkbox"/> AxLReg2003	AxLReg2003/14	1003733HPP01	90	Humble Point Polygon 1
<input type="checkbox"/> AxLReg2003	AxLReg2003/14	1003733HPP02	270	Humble Point Polygon 1

Example