Joint Nature Conservation Committee

Correlation Tables showing Relationships between EUNIS (2004 and 2007 versions), the Marine Habitat Classification for Britain and Ireland (v15.03) and Habitats Listed for Protection

Database version

January 2018

jncc.gov.uk/marinehabitatcorrelation

Contents

Introduction

The correlation tables allow users to identify possible relationships between marine habitats listed in the EUNIS classification (2007 and 2004 versions), those listed in the JNCC Marine Habitat Classification for Britain and Ireland, and those listed as being important for conservation under various legislative instruments (e.g. Annex I habitats, OSPAR habitats). The correlation tables are periodically revised as habitat definitions are refined. Two tools are available to investigate these correlations: the correlation spreadsheet and the correlation database. These two tools contain the same correlations. This document provides a user guide to the database version.

User guide – database version

The database has three functions, which you can select when you open the database:

1. Show habitats in individual classification
2. Show matrix between classifications
3. Show individual habitat correlations

1. Show habitats in individual classification
This allows you to quickly find all the habitats in a particular classification, and get a description of them, e.g. if you want to remind yourself what all the MCZ FOCI are, or what the definition for Blue Mussel Beds is. Simply click on "Show habitats in individual classification" then select the classification you are interested in from the drop-down list.

2. Show matrix between classifications
This allows you to translate from any one classification to another; e.g. if you know an MPA has certain EUNIS habitats and want to check if any may be classed as an MCZ HOCI.

Just click on "Show matrix between classifications" then select the two classifications you want to correlate from drop down lists. You can filter the 'From Habitat Name' or 'To Habitat Name' column to select just those habitats you are interested in.

3. Show individual habitat correlations

This allows you to select a particular habitat and see which habitats from other classifications a correlated with it; e.g. if you want to make a map of OSPAR Lophelia Pertusa Reefs using biotope point samples and need to check which biotopes meet the criteria.

Click on "Show matrix between classifications" then chose a habitat classification from the drop-down list, and a specific habitat from the drop-down list below. You can filter the 'To classification' column to select just those habitats from a particular classification.

Choose habitat classification:	OSPAR habitats	▾
Choose habitat or start typing:		▾
Habitat code:		
Habitat name:	Lophelia pertusa reefs	
Description:	Lophelia pertusa, a cold water, reef-forming coral, has a wide geographic distribution ranging from 55°S to 70°N, where water temperatures typically remain between 4-8°C. These reefs are generally subject to moderate current velocities (0.5 knots). The majority of records occur in the north-east Atlantic. The extent of L. pertusa reefs vary, with examples off Norway several km long and more than 20m high. These reefs occur within a depth range of 200->2000m on the continental slope, and in shallower waters in Norwegian fjords and Swedish west coast. In	
Parent habitat		
HabitatLevel:	1	

Relationship	▾	Relationshi ▾	To classification	▾	To code	▾	To habitat
Contains		>	Eunis 2007		A5.63		Circalittoral coral reefs
Contains		>	Eunis 2007		A5.631		Circalittoral [Lophelia pertusa] reefs
Contains		>	Eunis 2007		A6.61		Communities of deep-sea corals
Contains		>	Eunis 2007		A6.611		Deep-sea [Lophelia pertusa] reefs
*							

Example output from the 'show individual habitat correlations' function

You can export an output as an excel or text file using the icons in the top left-hand corner.

Definitions for the relationship codes used in the database are provided in Table 1 below.

Table 1: Relationship codes

Habitat in original classification (e.g. EUNIS)	Code	Habitat in new classification (e.g. JNCC 04.05)	Meaning
X	=	Y	Habitat X is same as Habitat Y
X	≈	Y	Habitat X is nearly same as Habitat Y
X	<	Y	Habitat X is contained within Habitat Y (i.e. X has a narrower definition than Y)
X	>	Y	Habitat Y is contained within Habitat X (i.e. X has a broader definition than Y)
X	< May occur	Y	Habitat X may occur in Habitat Y but the presence of Habitat X does not always mean the presence of Habitat Y.
X	> May occur	Y	Habitat Y may occur in Habitat X but the presence of Habitat Y does not always mean the presence of Habitat X.
X	#	Y	Habitat X definition partially overlaps with that of Habitat Y
	-	Y	Habitat Y is not present in original classification
	S		Other habitat (i.e. JNCC classification) is source of EUNIS habitat

Key updates to this version of the correlation tables

Addition of new classification systems

- 97.06 version of the JNCC Marine Habitat Classification for Britain and Ireland, to allow conversion of old data assigned to previous classifications.
- Annex I sub-features developed by Natural England, and Annex I sub-types developed by Scottish Natural Heritage.
- 2017 Marine Strategy Framework Directive Benthic Broad Habitats; these replace the previous MSFD Predominant Habitats, but we have kept those in the correlation table to allow comparison with the old definitions.

Corrections and updates

Change	Rationale
HOCI 'Intertidal boulder communities' changed to 'Intertidal under boulder communities' for correlations with LR.HLR.FT.FserT & LR.HLR.FT.FserTX	Error
JNCC 15.03: corrected the biotope names for IR.MIR.KR.LhypTX.Ft and IR.MIR.KR.LhypTX.Pk	Error
Changed relationship between EUNIS A5.361 "Seapens and burrowing megafauna in circalittoral fine mud" and OSPAR "Sea-pen and burrowing megafauna communities" to < rather than =	Other biotopes also correlated with OSPAR habitat so can't be equal
EUNIS Deep-sea habitat relationships with OSPAR coral gardens - changed from ">" to "#"	Coral gardens can also occur shallower
EUNIS A6.62 "Deep-sea sponge aggregations" relationship with OSPAR "Deep-sea sponge aggregations" - changed from "May occur <" to "<"	Correlation always applies
Correlations added between Annex I habitat 'Sandbanks which are slightly covered by sea water all the time' and EUNIS level 5/6 habitats	Previously, these were only correlated to level 4
Added LR.FLR.Rkp.G (JNCC 15.03) S A1.421 (EUNIS)	Error - correlation missing from database
Added LS.LSa.FiSa.Po.Pful (JNCC 15.03) S A2.2311 (EUNIS)	Error - correlation missing from database
Added LS.LMp.Sm.SM13 (JNCC 15.03) S A2.541 (EUNIS)	Error - correlation missing from database
Added LS.LMp.Sm.SM8 (JNCC 15.03) S A2.551 (EUNIS)	Error - correlation missing from database
Added LS.LMp.Sm.SM8 (JNCC 15.03) = A2.5513 (EUNIS)	Error - correlation missing from database
Added LS.LBR.Sab (JNCC 15.03) S A2.71 (EUNIS)	Error - correlation missing from database
Added LS.LBR.Sab S.Salv (JNCC 15.03) S A2.711 (EUNIS)	Error - correlation missing from database
Added LS.LBR.LMus.Myt (JNCC 15.03) S A2.721 (EUNIS)	Error - correlation missing from database
Added LS.LBR.LMus.Myt.Mx (JNCC 15.03) S A2.7211 (EUNIS)	Error - correlation missing from database
Added LS.LBR.LMus.Myt.Sa (JNCC 15.03) S A2.7212 (EUNIS)	Error - correlation missing from database
Added LS.LBR.LMus.Myt.Mu (JNCC 15.03) S A2.7213 (EUNIS)	Error - correlation missing from database
Added IR.LIR.K.LhypCape (JNCC 15.03) S A3.314 (EUNIS)	Error - correlation missing from database

Added IR.LIR.IFaVS.MytRS (JNCC 15.03) S A3.361 (EUNIS)	Error - correlation missing from database
Added CR.HCR.XFa.ByErSp.Sag (JNCC 15.03) S A4.1313 (EUNIS)	Error - correlation missing from database
Added CR.LCR.BrAs.AmenCio.Bri (JNCC 15.03) S A4.3112 (EUNIS)	Error - correlation missing from database
Added CR.MCR.Csab (JNCC 15.03) S A4.22 (EUNIS)	Error - correlation missing from database
Added SS.SCS.CCS.Blan (JNCC 15.03) S A5.145 (EUNIS)	Error - correlation missing from database
Added SS.SMx.IMx.Ost (JNCC 15.03) S A5.435 (EUNIS)	Error - correlation missing from database
Added SS.SMp.Ang.S4 (JNCC 15.03) S A5.541 (EUNIS)	Error - correlation missing from database
Added SS.SMp.Ang.A12 (JNCC 15.03) S A5.542 (EUNIS)	Error - correlation missing from database
Added SS.SBR.PoR.Ser (JNCC 15.03) S A5.613 (EUNIS)	Error - correlation missing from database