

Page examples

FeAST - Feature Activity Sensitivity Tool

FEAST is a starting point for determining potential management requirements for Nature Conservation MPAs and highlights where further discussion with users of the marine environment may be required. It does not take into account the intensity, frequency or cumulative impacts from activities taking place at specific locations.

Search by Activity

Search by Feature

Search by Pressures

Activities

Users can also explore the FEAST by starting with an activity.

Search by Activity

Features

Users can explore FEAST from a feature starting point.

Search by Feature

New to FeAST

We have a tutorial to guide you through the functionality of the FeAST tool.

FeAST Guide

Latest updates to data

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Date	Update	Date	Update
1 Feb, 2020	Hooded seal (<i>Cystophora cristata</i>)	8 Sep, 2020	Smooth nut clam <i>Ennucula tenuis</i>
1 Feb, 2020	Triangular astarte <i>Goodallia triangularis</i>	21 Sep, 2020	Narwhal (<i>Monodon monoceros</i>)
1 Feb, 2020	Dustbin lid jellyfish (<i>Rhizostoma octopus</i>)	21 Sep, 2020	The sea squirt <i>Polyclinum aurantium</i>
24 May, 2020	The bivalve mollusc <i>Myrtea spinifera</i>	14 Oct, 2020	New Deep-sea biotopes
24 May, 2020	A sponge (<i>Tethya hibernica</i>)	17 Oct, 2020	The sponge <i>Chelonaplysilla noevus</i>
24 May, 2020	The bivalve mollusc <i>Myrtea spinifera</i>	17 Oct, 2020	Elongated furrow shell <i>Abra prismatica</i>
24 May, 2020	Smooth nut clam <i>Ennucula tenuis</i>	17 Oct, 2020	Additional climate change assessments
8 Sep, 2020	Smooth nut clam <i>Ennucula tenuis</i>	22 Oct, 2020	A hydroid (<i>Diphasia alata</i>)

[Back to top of the page](#) 

Search by Activity

Activity selection

Pressure selection

Feature sensitivities

Results

Results

Activity Selection

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Activity Category and selection

Select activity category



Select activity selection



Make a selection

[Back to top of the page](#) 

Filter

Select relationship you are interested in:

☒ Associated ☐ Not Associated

Reset report

<input type="checkbox"/> Selected	Pressure Name
<input type="checkbox"/>	Pressure 1
<input type="checkbox"/>	Pressure 2
<input type="checkbox"/>	Pressure 3
<input type="checkbox"/>	Pressure 4
<input type="checkbox"/>	Pressure 5
<input type="checkbox"/>	Pressure 6
<input type="checkbox"/>	Pressure 7
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<input type="checkbox"/>	Pressure 100

Pressure Description

☒ De-oxygenation

The lowering, temporarily or more permanently, of oxygen levels in the water or substrate due to anthropogenic causes. Pressure is closely related to the N and P enrichment pressure. The water column immediately above the sea bed can have lower oxygen levels than the general water column, and this is closely linked to the Organic enrichment and Siltation pressures. The estuary standard is more precautionary as it also seeks to protect migratory fish, which are likely to be the most sensitive element. Oxygen is essential for most life, low levels can inhibit respiration, and other life functions.

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The lowering, temporarily or more permanently, of oxygen levels in the water or substrate due to



Search by Activity

Activity selection

Pressure selection

Feature sensitivities

Search Results

Results

Aqua culture / Finfish culture

Feature Name: Bank (unknown substrate)

Select ☐

Pressure Name

Barrier to mobile species movement

Association Value

Not Assessed

Date Updated

10/09/2020

Biotopes

6

8

12

2

[Edit data](#)

Benchmark

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PMF

Sub-type

Depth Zone

[View References](#)

Feature Name: Bank

Feature Name: Bank (unknown substrate)

Select ☐

Pressure Name

Barrier to mobile species movement

Association Value

Not Assessed

Date Updated

10/09/2020

Biotopes

6

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12

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[Edit data](#)

Benchmark

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Evidence Base

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PMF

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10/09/2020

Biotopes

Benchmark

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Evidence Base

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The **help page** will also have a video and some extra content for new users demonstrating how to use FeAST.

Help Section

How to use FeAST

Sensitivity Scoring methods

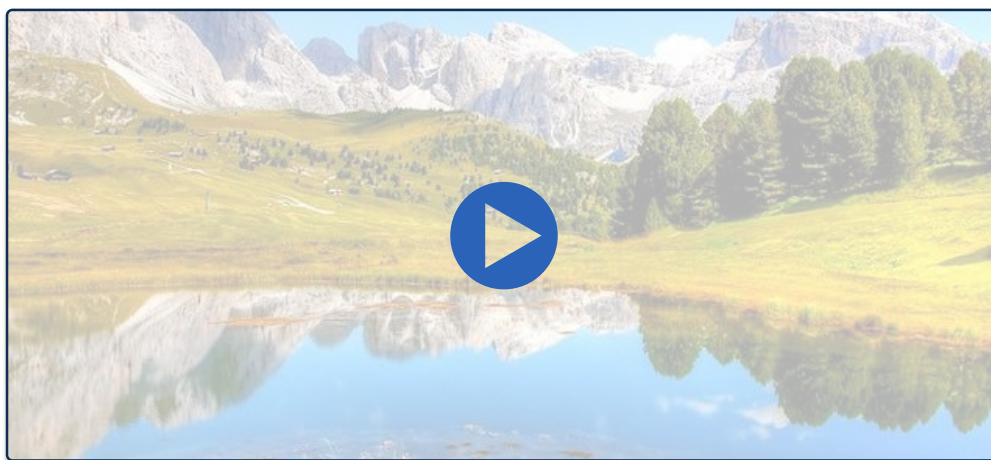
Public Guide PDF

FAQ's

Glossary

How to use FeAST

Find the relevant FeAST documentation below. If you are new to the site we recommend that you watch our quick how to video or take a look at the simple pdf explanation. Sensitivity score breakdowns are also explained and expanded upon.



Public Guide PDF

Button Text

Sensitivity scoring methods

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Comments or Queries

Shows the alternative views of the results information and how the different sections can be collapsed

Search by Pressure

Pressure selection

Pressure selection

Feature sensitivities

Pressure relationship

Results

Pressure Selection

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<input type="checkbox"/> Selected	Pressure Name	Information
<input checked="" type="checkbox"/>	Barrier to mobile species movement to mobile species by collision	Cetaceans, basking shark and black guillemot only - The physical obstruction of species movements including local movements (within & between roosting, breeding, feeding areas) and regional/global migrations (e.g. birds, eels, salmon, whales). Includes up river movements (where tidal barrages & devices or dams could obstruct movements) or movements across open waters (offshore wind farm, wave or tidal device arrays, mariculture infrastructure or fixed fishing gears). It is acknowledged that aquaculture and fixed fishing gears represent very low scale barriers. Note: entanglement is included under Removal of non-target species pressure.
<input checked="" type="checkbox"/>	De-oxygenation	The lowering, temporarily or more permanently, of oxygen levels in the water or substrate due to anthropogenic causes. Pressure is closely related to the N and P enrichment pressure. The water column immediately above the sea bed can have lower oxygen levels than the general water column, and this is closely linked to the Organic enrichment and Siltation pressures. The estuary standard is more precautionary as it also seeks to protect migratory fish, which are likely to be the most sensitive element. Oxygen is essential for most life, low levels can inhibit respiration, and other life functions.
<input checked="" type="checkbox"/>	De-oxygenation	Mobile species only - Injury or mortality from collisions of biota with both static &/or moving structures. Examples include: Collision with rigs (e.g. birds) or screens in intake pipes (e.g. fish at power stations) (static) or collisions with wind turbine blades, fish & mammal collisions with tidal devices and activities involving shipping (moving).
<input checked="" type="checkbox"/>	Electromagnetic changes	<div><div>Benchmark</div><div>Local electric field of 1 volt per meter, or Local magnetic field of 10 tesla (µT) due to anthropogenic means.</div><div>Extra Information</div><div>Description</div><div>Localized electric and magnetic fields associated could alter behaviour (e.g. attract or repel) and migration patterns of sensitive species. Elasmobranch species (sharks, skates and rays) are relatively sensitive to electric fields, and diadromous species are expected to have relatively higher sensitivity to magnetic fields.</div><div>Examples</div><div>Any activities with operational power cables or telecommunication cables (if equipped with power relays), and infrastructure that may create electromagnetic changes, e.g. electromagnetic surveys (CSEM) used in oil and gas. Field strength dissipates quickly and burial of cables increases distance between source and species receptors, so is an effective mitigation.</div><div>Notes</div><div>Scientific uncertainty on the sensitivity of species to this pressure is considerable, from individual physiology/behaviour to any population level implications.</div></div>
<input checked="" type="checkbox"/>	Emergence regime changes - local	Intertidal species only - A 1 hour change in the time covered or not covered by the sea for a period of 1 year. Habitats and landscapes defined by intertidal zone An increase in relative sea level or decrease in high water level of 1 mm for one year over a shoreline.
<input checked="" type="checkbox"/>	Genetic modification & translocation of indigenous species	Aquaculture species only - Translocation outside of geographic area or introduction of hatchery-reared juveniles outside of geographic area from which adult stock derives. Note that issues of salmon or halibut escapes are not included as these do not pose any impacts on MPA protected features.
<input checked="" type="checkbox"/>	Introduction of microbial pathogens (disease)	Applicable to native oysters and habitats with native oysters only - The introduction of microbial pathogens Bonamia and Martelia refringens to an area where they are currently not present.

Search by Feature

Feature selection

Pressure selection

Pressure relationship

Results

Feature Search

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Complete overview search....

Search Features

Feature Selection

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Feature Category and selection

Select feature category



Select feature selection



Make a selection

[Back to top of the page](#)

Search by Feature

Shows the alternative search options.

The free typed **search box**, which whilst the user can type, after a minimum of three letters it will start to show the content based on the letters typed and the user will then choose from the results list.

The **feature selection** dropdowns will be for the specific choices