
Overview

This standard covers how to work within coastal and marine environments. This could be monitoring and reporting on physical and biological marine environments and/or marine developments (marinas, wind farms, dredging), assisting with or running dune restoration and/or managed retreat marine projects and/or working to reduce disturbance to marine habitat.

The standard addresses the skills needed to survey, monitor and manage marine habitats, including the identification of habitats and species in order to carry out marine conservation in the context of UK coastal zone management.

This standard is suitable for Environmental Policy Officers, Conservation Officers and Marine Ecologists.

Performance criteria

You must be able to:

- P1 identify the range of coastal and marine environments
- P2 identify marine zonation
- P3 identify the range of marine and coastal habitats located in a defined geographical area
- P4 identify coastal and marine flora and fauna within those habitats
- P5 investigate uses of the coastal and marine environments in a defined geographical area
- P6 monitor and report on tides, waves and storm conditions
- P7 monitor and report on physical and biological environments
- P8 identify and report on the range of pollution risks and sources
- P9 work with organisations involved in managing coastal and marine environments
- P10 identify historical and potential changes to the local coastal and marine environments
- P11 work within statutory legislation and organisational policies
- P12 assess the risks associated with the site and the proposed works
- P13 maintain the health and safety of self and others at all times in accordance with current legislation

- Add your title here

You must be able to:

Knowledge and understanding

You need to know and understand:

- K1 how to recognise the range of coastal and marine environments
- K2 how to identify different zones within the coastal and marine environments
- K3 how to recognise coastal and marine habitats
- K4 how to identify coastal and marine flora and fauna
- K5 how to find out about and monitor tides, waves and storm conditions and how they affect the local coastline and marine environments
- K6 how the coastal and marine environment is used
- K7 a range of techniques for monitoring physical and biological environments
- K8 types of pollution sources, potential risks and impacts
- K9 the organisations involved in coastal and marine managements, their role and scope
- K10 how coastal and marine environments have changed and will change over time
- K11 legislation and policy
- K12 your responsibilities under current environmental and health and safety legislation and codes of practice
- K13 how to interpret risk assessments
- K14 how to identify hazards and assess risks

Glossary

Coastal: the area from the intertidal zone (lowest water mark) inland for two miles

Marine: the area from the intertidal zone (highest water mark) out to the limit of territorial waters (12 nautical miles)

Habitats:

- land
- intertidal
- underwater

Uses of the coastal and marine environments:

- recreational
- conservation
- economic
- industrial
- military

Physical and biological environments:

- water
- erosion
- damage
- habitats
- flora
- fauna

Pollution risks and sources:

- contamination
- outfalls
- waste

Changes to the environment:

- natural
- man-made

Developed by	Lantra
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Version number	1
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Date Approved	March 2012
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Indicative review date	March 2017
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Validity	Current
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Status	Original
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Originating organisation	Lantra
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Original URN	LANEC34
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Relevant occupations	Environmental Policy Officer; Ranger; Conservation Officer; Property Manager; Ecologist
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Suite	Environmental Conservation
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Keywords	sea; tidal zone; habitat; environment
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