Introduction

Well-planned developments next to our estuaries can create better places to live and work.

When reconstructing or refurbishing the banks of an estuary, your project should include features that support wildlife, improve public access, and educate people about the importance of protecting the environment.

Replacing grey sheet piling with lush colourful plants and swards of reed stems rustling in the wind add significantly to the waterside experience.

The natural habitats of our estuaries are often missing, especially in urban areas. For example, in the Thames Estuary only around 2% of the tidal banks are now natural in profile. The absence of the soft edges – where wildlife is most abundant – impacts on the ecological recovery of our rivers and estuaries.

Improving lengths of estuary habitat could eventually help to restore commercial stocks of Sea Bass. By seeking refuge in the margins at the early stages of the flood and ebb tide, the juvenile fish avoid being swept kilometres up and downstream from their preferred feeding areas.

A Sea Bass
Acknowledgements

This guidance has been developed by the Environment Agency through a project co-ordinated and steered by the Thames Estuary Partnership.

www.environment-agency.gov.uk
www.thamesweb.com

The lead authors of the guidance, under contract, are Biodiversity by Design Ltd, Salix River and Wetlands Services Ltd, Becket Rankine Ltd and EcoSchemes Ltd. Specialist advice to produce this guidance was provided by the authors:

Becket Rankine for Civil Engineering   www.becketrankine.com
Biodiversity by Design for Ecology   www.biodiversitybydesign.co.uk
Salix River and Wetland Services for Bioengineering   www.salixrw.com

The following organisations were also involved in producing this guidance:

Natural England  Essex Wildlife Trust
London Wildlife Trust  Kent Wildlife Trust
Thames Gateway South Essex  Buglife
EDAW  Greater London Authority Biodiversity Team
RSPB  Port of London Authority

We would like to thank the following people and organisations for the use of their photographs:

Thames Estuary Partnership
Environment Agency
Hugh Ellis, Salix River and Wetland Services
Mike Wells, Biodiversity by Design
J Lawrence
Living Roofs
Jim Andrews