



Fenland Good Ecological Potential Project - Understanding the Water Framework Directive

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Brief background on the Water Framework Directive



Development of Working Group to develop a joint understanding of what is Good Ecological Potential for Fenland watercourses

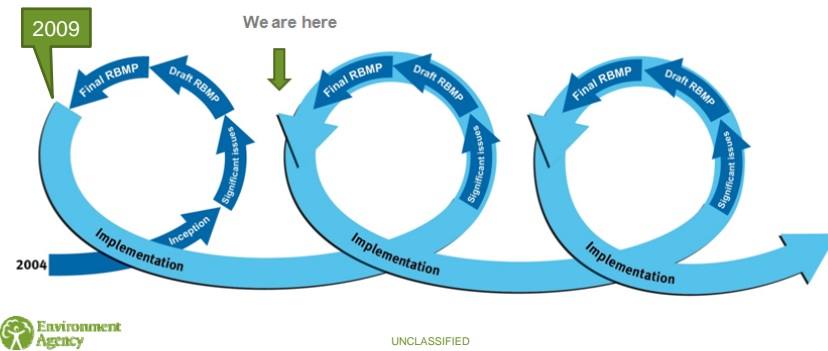


Good Ecological Potential In Practice

River Basin Planning:

- Cycle approach with 6 yearly cycles
- 2009-2015
- 2015-2021
- 2021-2027

River basin management planning cycles



Good Ecological Potential in Fenland watercourses- Working Group Formed



1. Workshop for IDB and EA to share good maintenance practice, the results from the workshop were used for the outline of developing a guide to what is Good Ecological Potential. (March 2014)
2. Working group began (August 2014 – in earnest May 2015) building on the outputs from the workshop.



Working Group Members

Cliff Carson (Middle Level Commissioners),
Karl Vines (South Holland - WMA),
Lou Mayer (EA – Catchment Co-ordinator),
Michael Nunns (EA- Catchment Manager),
Kevin Hall (EA – National Office with a focus on HMWB),
Martin Redding (Witham 4th),
Caroline Laburn (Broads & Norfolk Rivers IDB -WMA),
John Oldfield (Bedford Group),
Ian Moodie (ADA),
Paul Sharman (North Level District),
Simon Bonnie (EA- Catchment Manager),

Basis for the working group

The Aim of the document

is to show how to maximise the ecological potential of Fenland watercourses whilst taking account of the watercourse functions, including land drainage and flood defence.

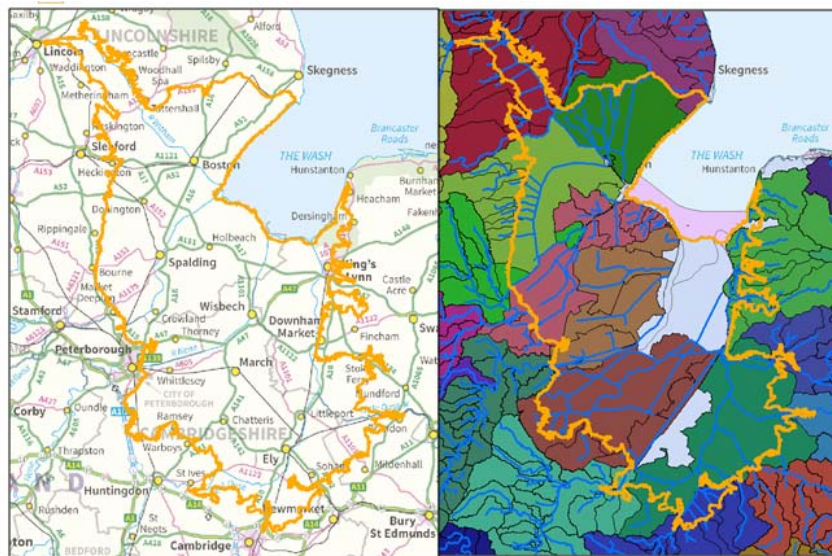
Need for the Document

- Be a good practice guide and share best practice
- Educate
- Fenland is Unique
- Parts of document applicable to other drainage districts
- Identify potential
- Complying with WFD Legislation
- Consensus building

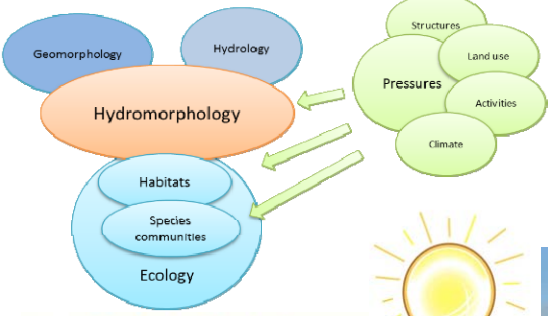




Fenland Good Ecological Potential In Practice



Draft Maps of Fens Area Environment Agency

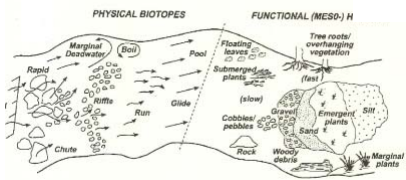


Hydromorphology






Understanding habitats:







Source: Newson and Newson 2000



So what is Good Ecological Potential in Fenland Watercourses



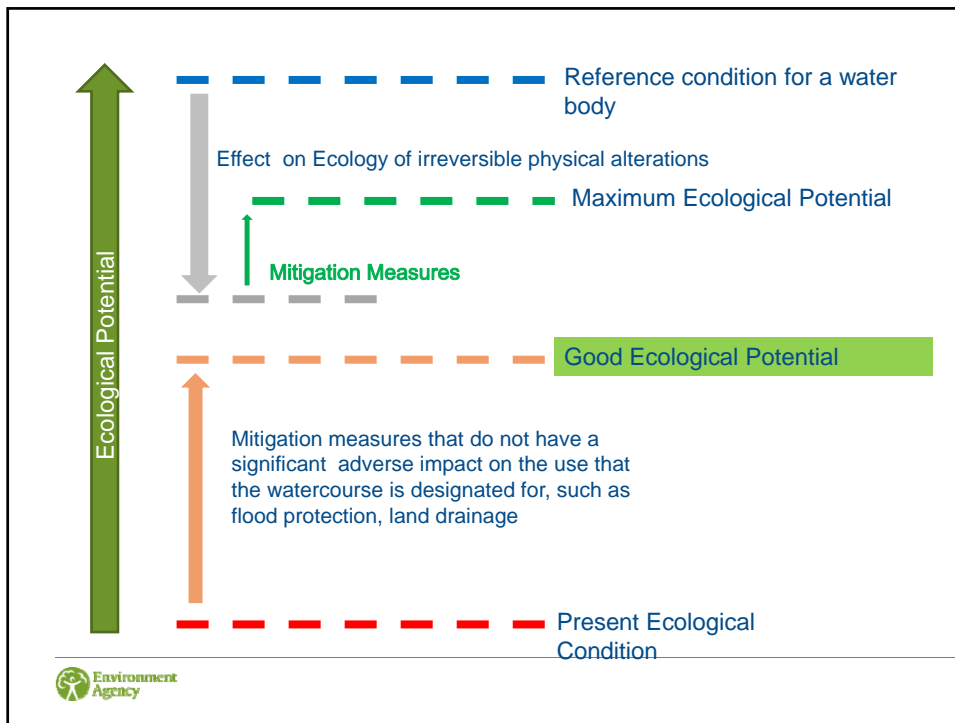
Socio-economic use, wider Environment



ECOLOGICAL POTENTIAL



Counter Drain, Baston Fen



List of Mitigation Measures and the designation for use they apply to

Environment Agency

		Land drainage	Inundation	Navigation	Navigation	Water regulation (i.e. slu)	Drinking water supply		Are appropriate Best Practice set?
2	Remove	y							
4	Removal/replacement	y	y	y					
5	Preserve habitats	y	y	y					
6	Increase	y	y	y					
8	Re-open	y							
9	Alteration	y							
10	Flood buffer	y							
11	Set-back	y							
12	Improve	y							
16	Structures or other mechanisms in place and managed to enable fish to access waters upstream and downstream of the impounding works.	y	y	y	y	y	y		

The Drainage Channel Biodiversity Manual
Integrating wildlife and flood risk management

ada NATURAL ENGLAND

The Middle Level Internal Drainage Board Biodiversity Manual

Giving Wildlife an Edge

A guide to the management of drainage channels for biodiversity for the Drainage Boards of the Middle Level Biodiversity Action Plan Partnership

CRB Carston
Environmental Officer for the Middle Level Commissioners and the Drainage Boards of the Middle Level Biodiversity Action Plan Partnership

Are appropriate Best Practice set?



Any Questions?

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