

# Natural Flood Management

Drivers and potential Barriers

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Bills & Legislation

Bills before Parliament 2019

Public Bills

Environment Bill 2019

Bill stages

Bill documents

## Environment Bill 2019

**Type of Bill:** Government Bill  
**Sponsor:** Theresa Villiers  
 Environment, Food and Rural Affairs

### Progress of the Bill

**Last events**

- 2nd reading: House of Commons 28 October, 2019 | 28.10.2019
- Money resolution: House of Commons 28 October, 2019 | 28.10.2019
- Ways and Means resolution: House of Commons 28 October, 2019 | 28.10.2019

Read debates on all stages of the Environment Bill 2019

#### Latest Bill

House	Bill	Date
C	Bill 003 2019-20 (as introduced)   PDF version	15.10.2019

All Bill documents

#### Stay up to date

Keep up to date with the progress of Bills going through Parliament. Sign up for email alerts or use our RSS feeds.

[RSS feed for this Bill](#)

#### Related information

[Guide to the passage of a Bill](#)  
 Find out what happens at each stage of a Public Bill's journey through Parliament with the Passage of a Bill guide.

## CONTENTS

### PART 1

#### ENVIRONMENTAL GOVERNANCE

#### CHAPTER 1

#### IMPROVING THE NATURAL ENVIRONMENT

##### *Environmental targets*

- 1 Environmental targets
- 2 Environmental targets: particulate matter
- 3 Environmental targets: process
- 4 Environmental targets: effect
- 5 Environmental targets: reporting duties
- 6 Environmental targets: review

##### *Environmental improvement plans*

- 7 Environmental improvement plans
- 8 Annual reports on environmental improvement plans
- 9 Reviewing and revising environmental improvement plans
- 10 Reviewing and revising plans: interim targets
- 11 Reviewing and revising plans: other requirements
- 12 Renewing environmental improvement plans
- 13 Renewing plans: interim targets
- 14 Renewing plans: other requirements

##### *Environmental monitoring*

- 15 Environmental monitoring

##### *Policy statement on environmental principles*

- 16 Policy statement on environmental principles
- 17 Policy statement on environmental principles: process
- 18 Policy statement on environmental principles: effect

# Environmental Land Management Schemes (ELMS)



- “It is this Government’s ambition to leave our environment in a better state than we found it.”
- “We will replace BPS with a system of public money for **public goods**”
- “I believe the most important public good we should pay for is environmental protection and enhancement.”
- The Rt Hon Michael Gove MP



The future of RBAPs in English agri-environment policy post Brexit

A new Environmental Land Management scheme

# Environmental Land Management Schemes



Public funding for public goods: A post-Brexit perspective on principles for agricultural policy



Ian J. Bateman\*, Ben Balmford

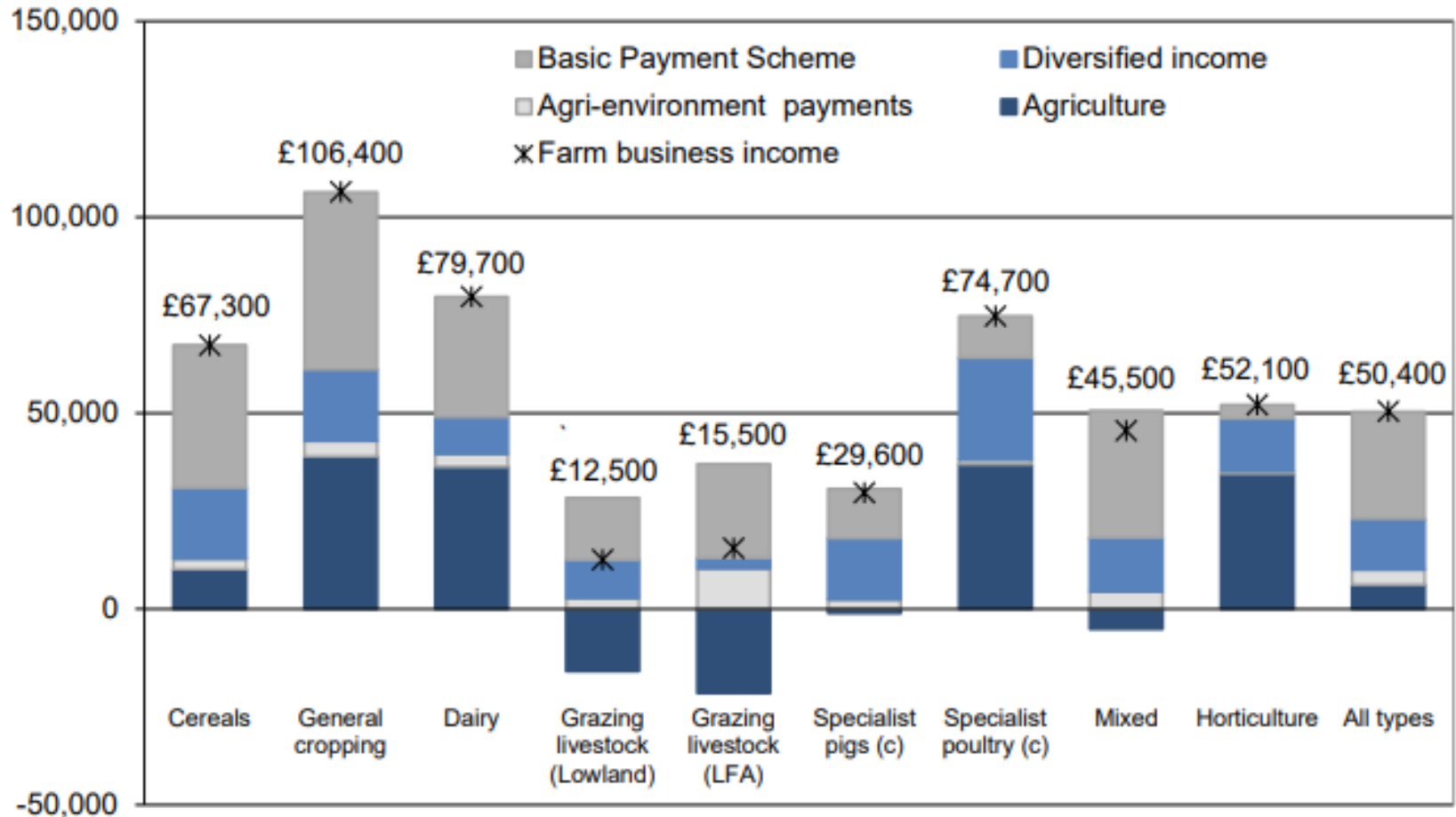
*Land, Environment, Economics and Policy Institute (LEEP), University of Exeter Business School (UEBS), Prince of Wales Road, Exeter, EX4 4PJ, United Kingdom*

- Improved soil health
- **Water quality improvement**
- **Water quantity regulation**
- **Flood risk reduction**
- Climate change mitigation through the reduction and storage of greenhouse gas emissions
- Other air quality improvements such as reducing ammonia emissions
- Conservation and enhancement of biodiversity

# Environmental Land Management Schemes

Figure 3: Farm Business Income <sup>(a)</sup> by Cost Centre <sup>(b)</sup> 2018/19

Average income £ per farm



# Barriers to ELMS?

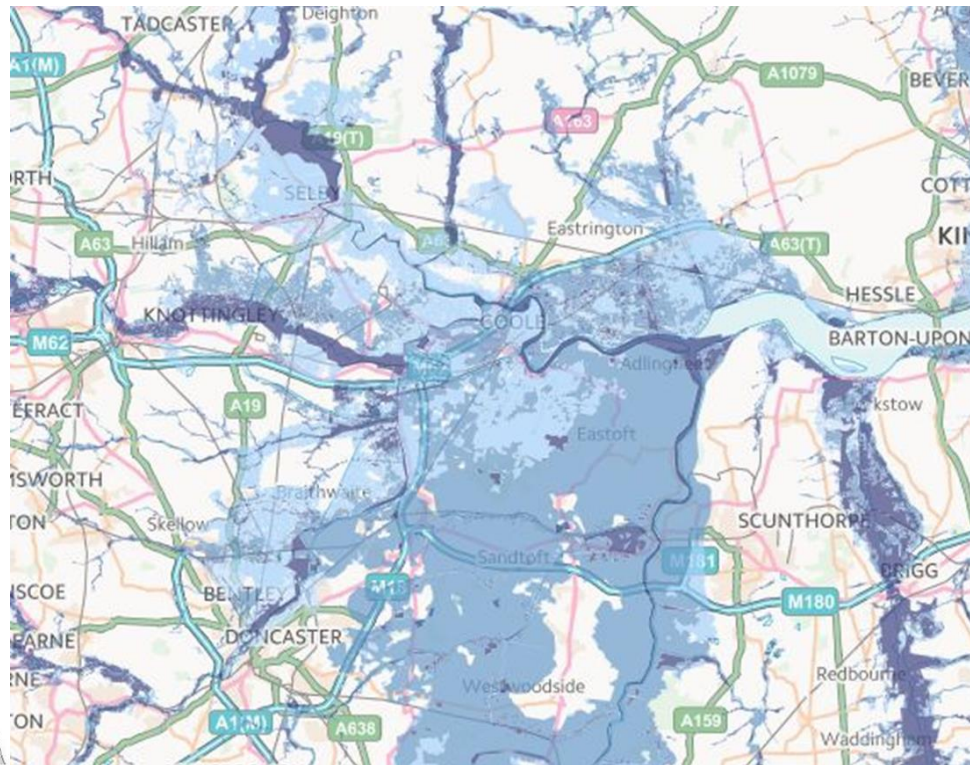
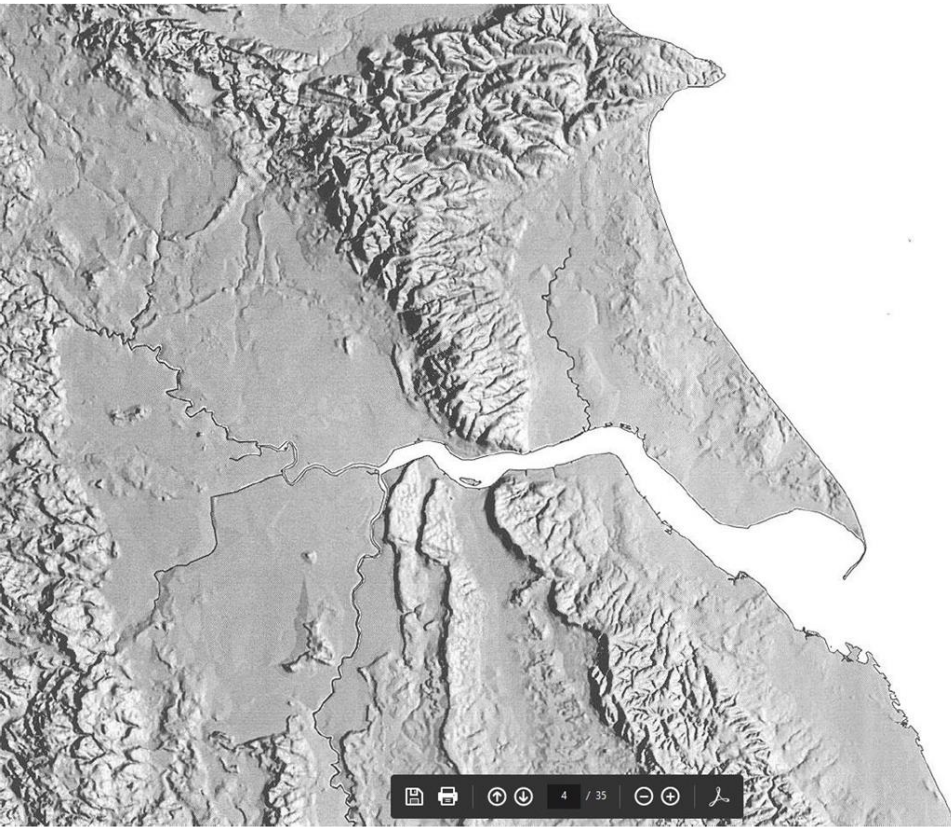
- Uncertainty – outcomes
- Trials – small group large landowners





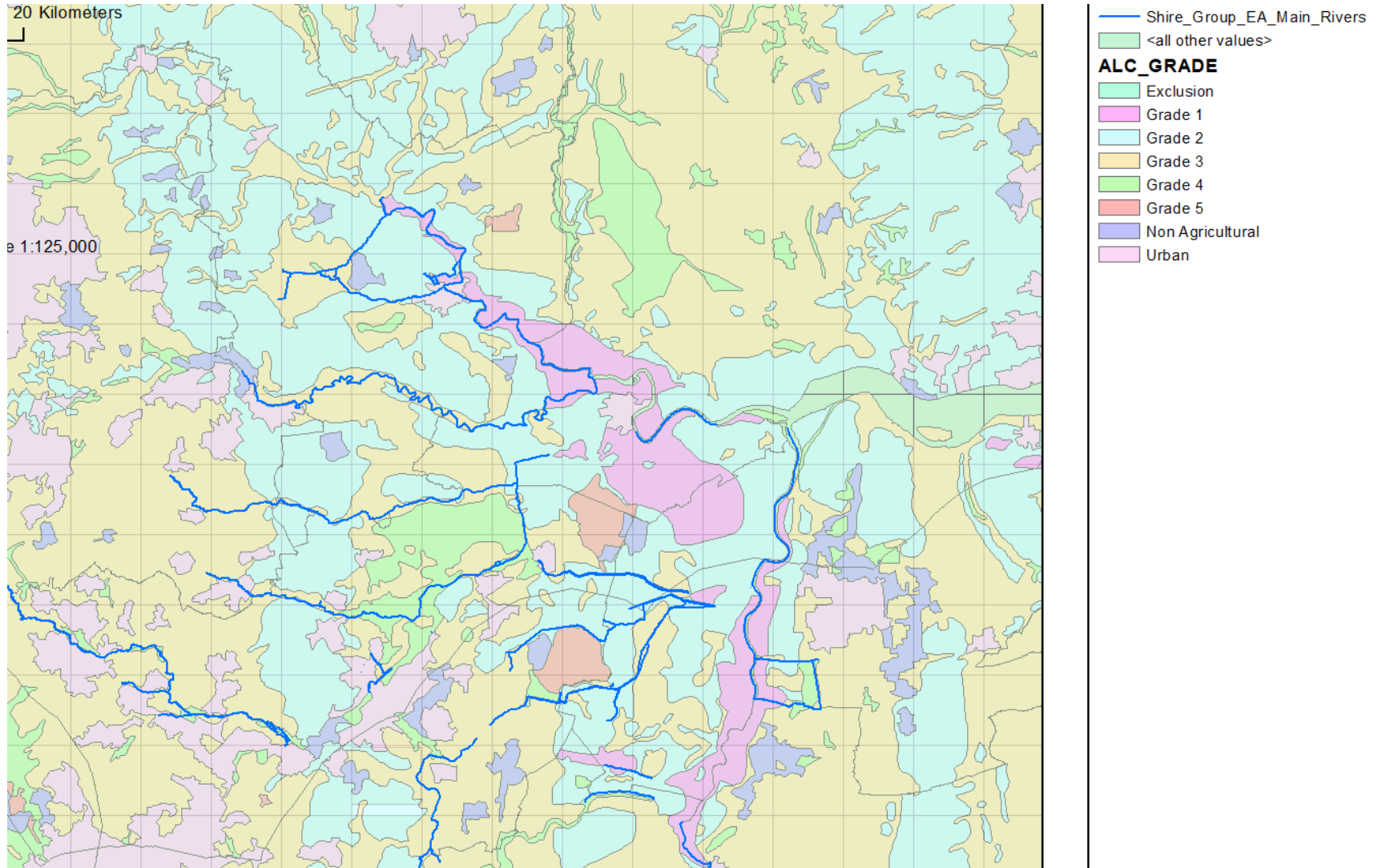


# Topography

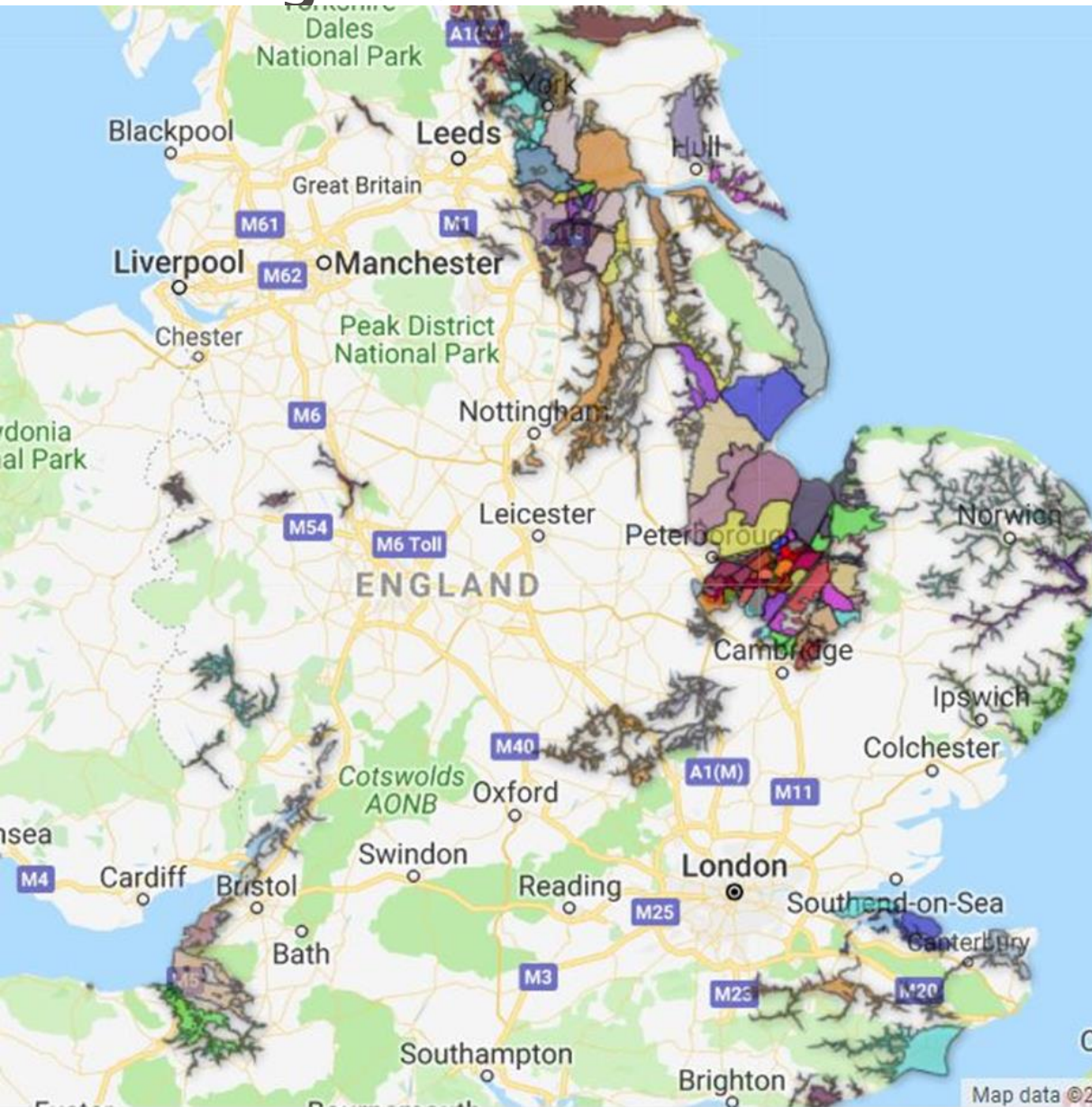




# Land classification in the lowlands



# Potential barriers to NFM - Internal Drainage Boards



# Potential barriers to NFM - Internal Drainage Boards

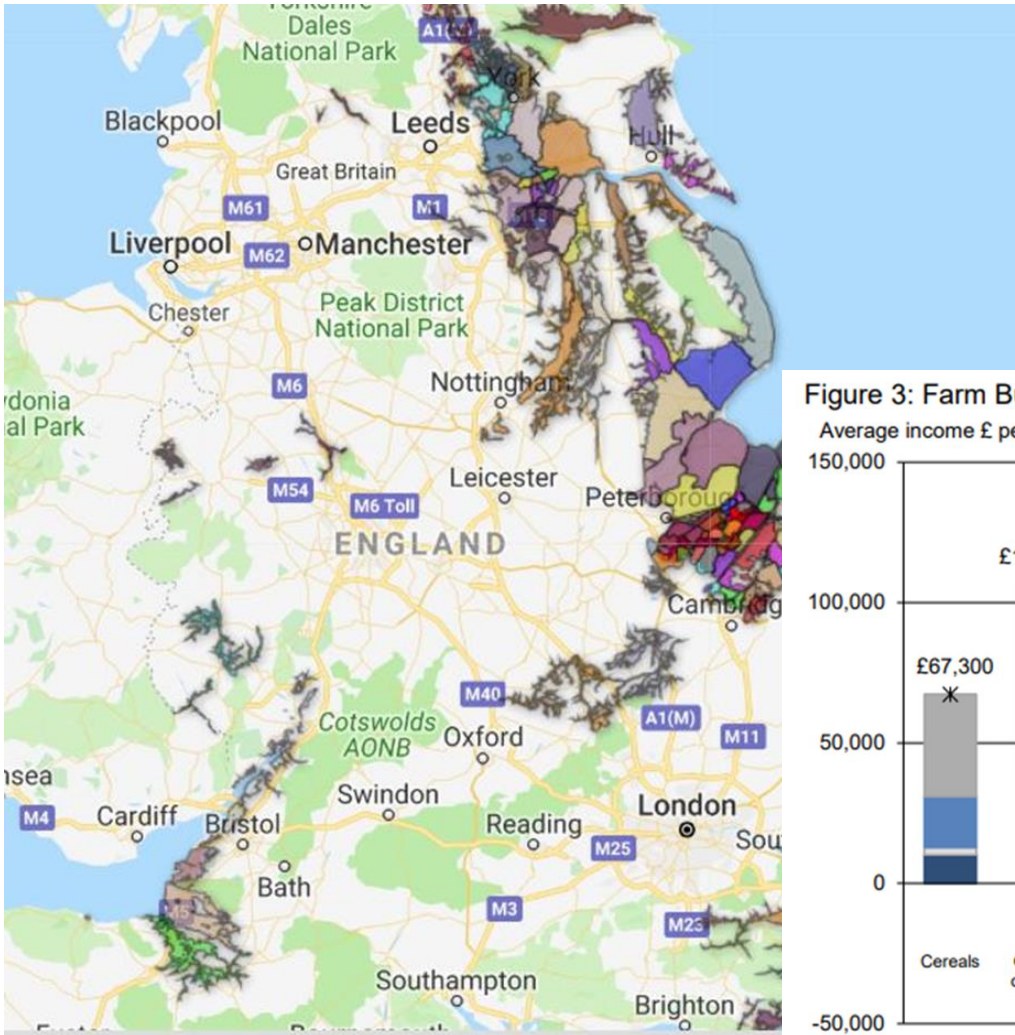
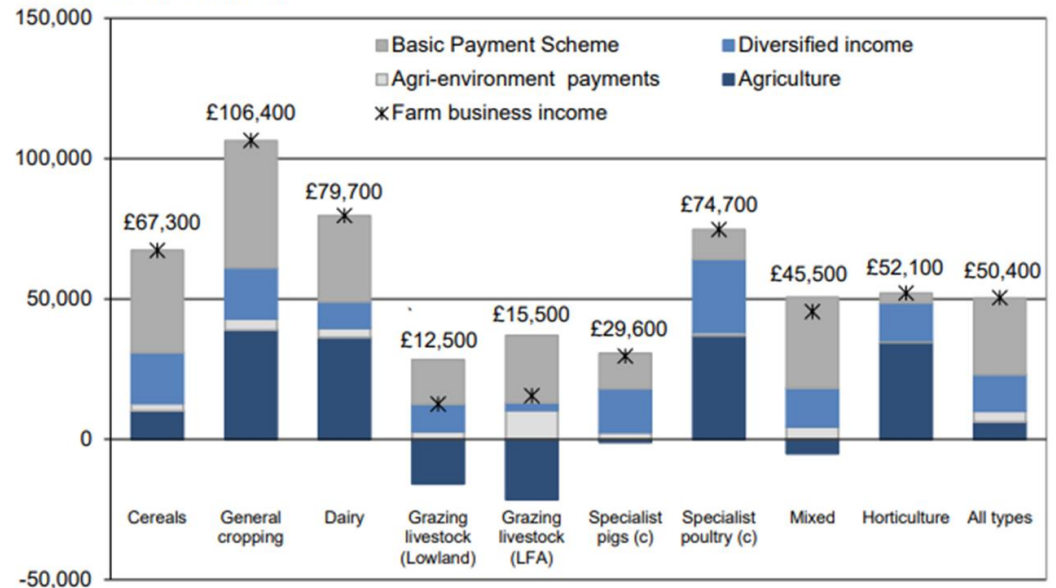


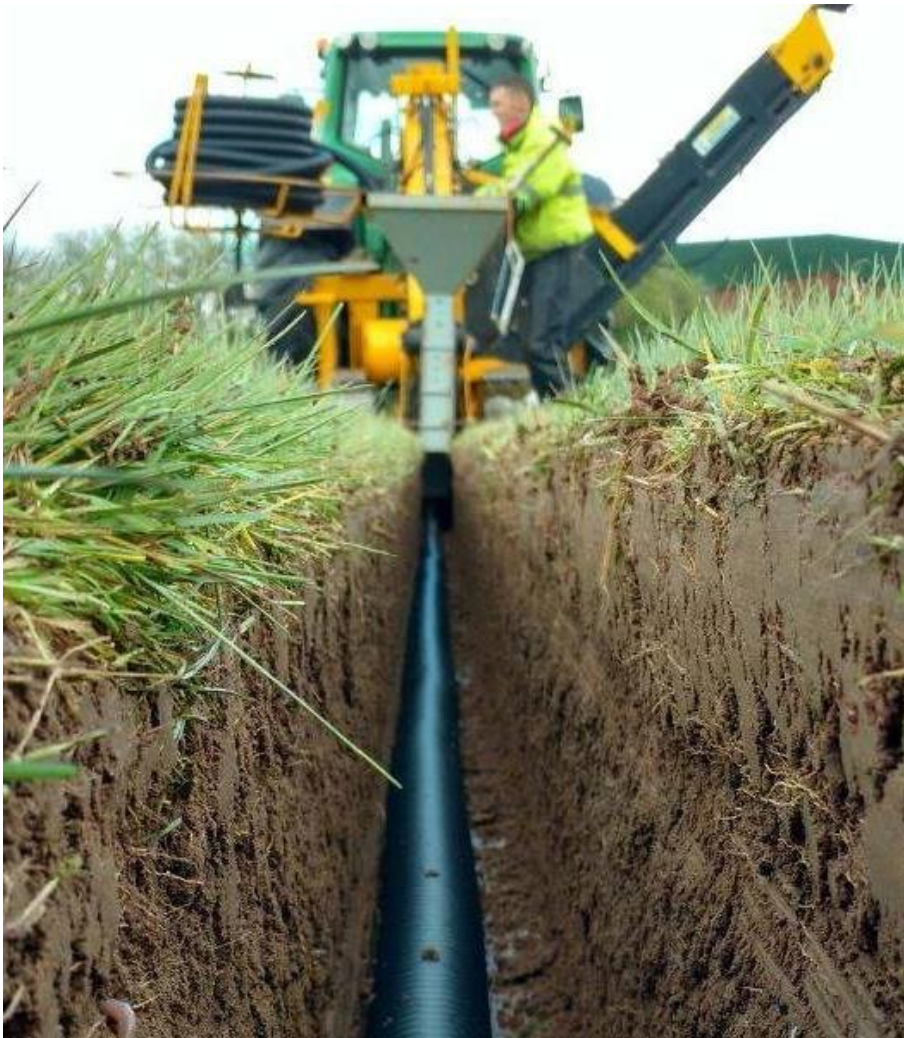
Figure 3: Farm Business Income <sup>(a)</sup> by Cost Centre <sup>(b)</sup> 2018/19

Average income £ per farm





# Field under drainage systems and NFM





# Internal Drainage Boards, buffer strips and maintenance access

JBA  
consulting



 Department  
for Environment  
Food & Rural Affairs

## The guide to cross compliance in England 2019

- Basic Payment Scheme
- Countryside Stewardship
- Entry Level Stewardship
- Higher Level Stewardship
- English Woodland Grant Scheme



# Challenges and Opportunities

- Internal Drainage Boards (IDBs)
  - Catchment partnerships must acknowledge and consider the infrastructure which supports IDBs
  - Identifying willing partners
- Reducing the reliance on pumping will save the IDB public money and reduce its carbon footprint

