

# Mitigation issues for Flood Risk Management - soft options or hard choices?

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## Flood Risk Management

- Flood management activities can have an effect on plants, inverts, fish and water quality
- Impacts can be temporary or permanent
- Dependent on type of activity and sensitivity of environment

## Possible measures

- Alternative flood risk management policy (whether or not to reduce flood risk)
- Alternative flood risk strategy (how to reduce risk)
- Alternative methods of delivering work on the ground

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## Alternative policy

- No intervention
- Reduce flood risk management
- Continue flood risk management
- Increase flood risk management
- Increase flood risk

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Environment  
Agency



## FLOOD WARNING

21 warnings in force

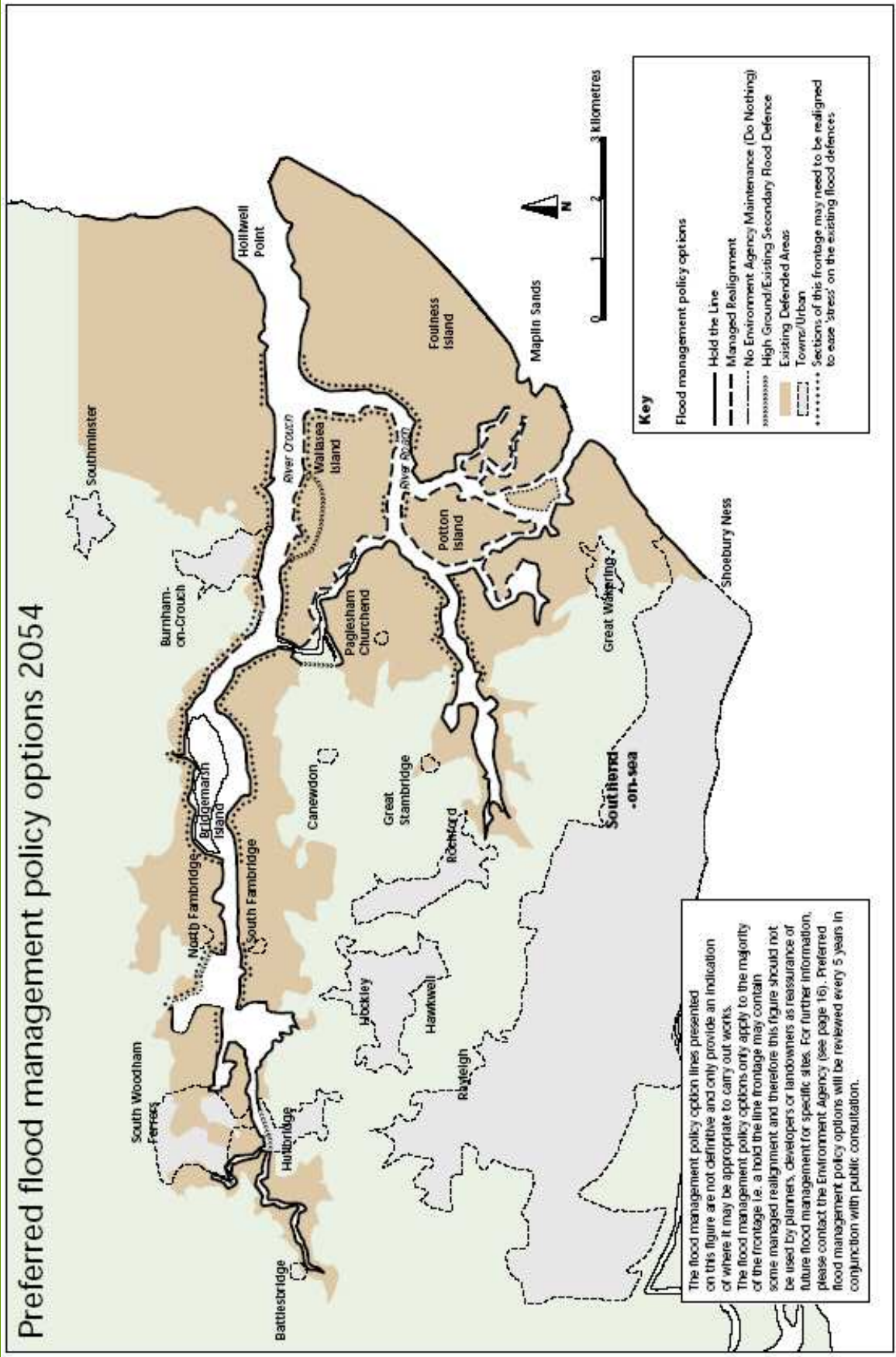
Areas most affected  
East Anglia (8) rivers  
Midlands (8) rivers  
Thames (3) rivers

Floodline 0845 988 1188

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# Preferred flood management policy options 2054



## Alternative strategy

- Previously reducing flood risk delivered by traditional engineering
- Increasingly looking at:
  - warning & emergency planning
  - soft engineering
  - development control
  - land use management

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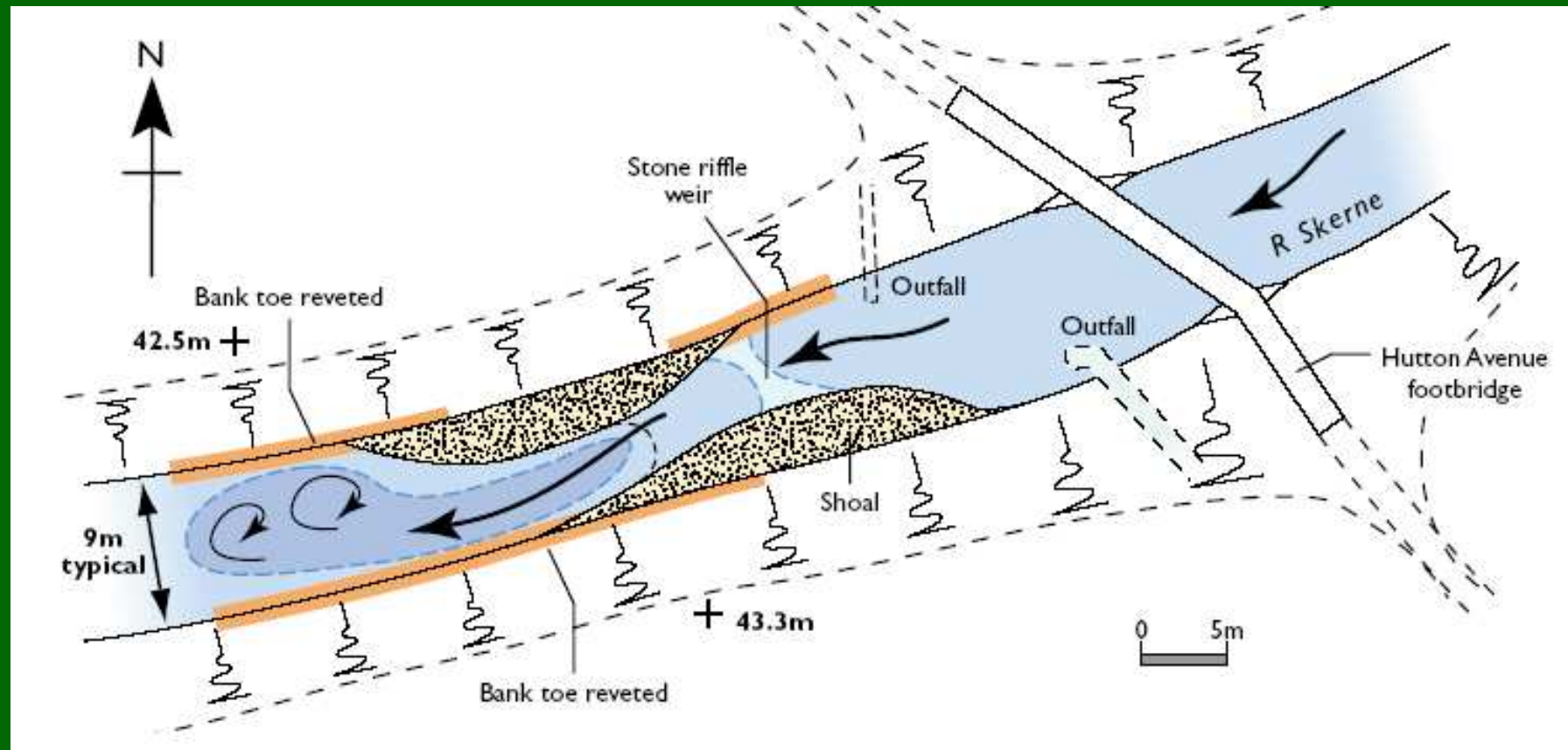
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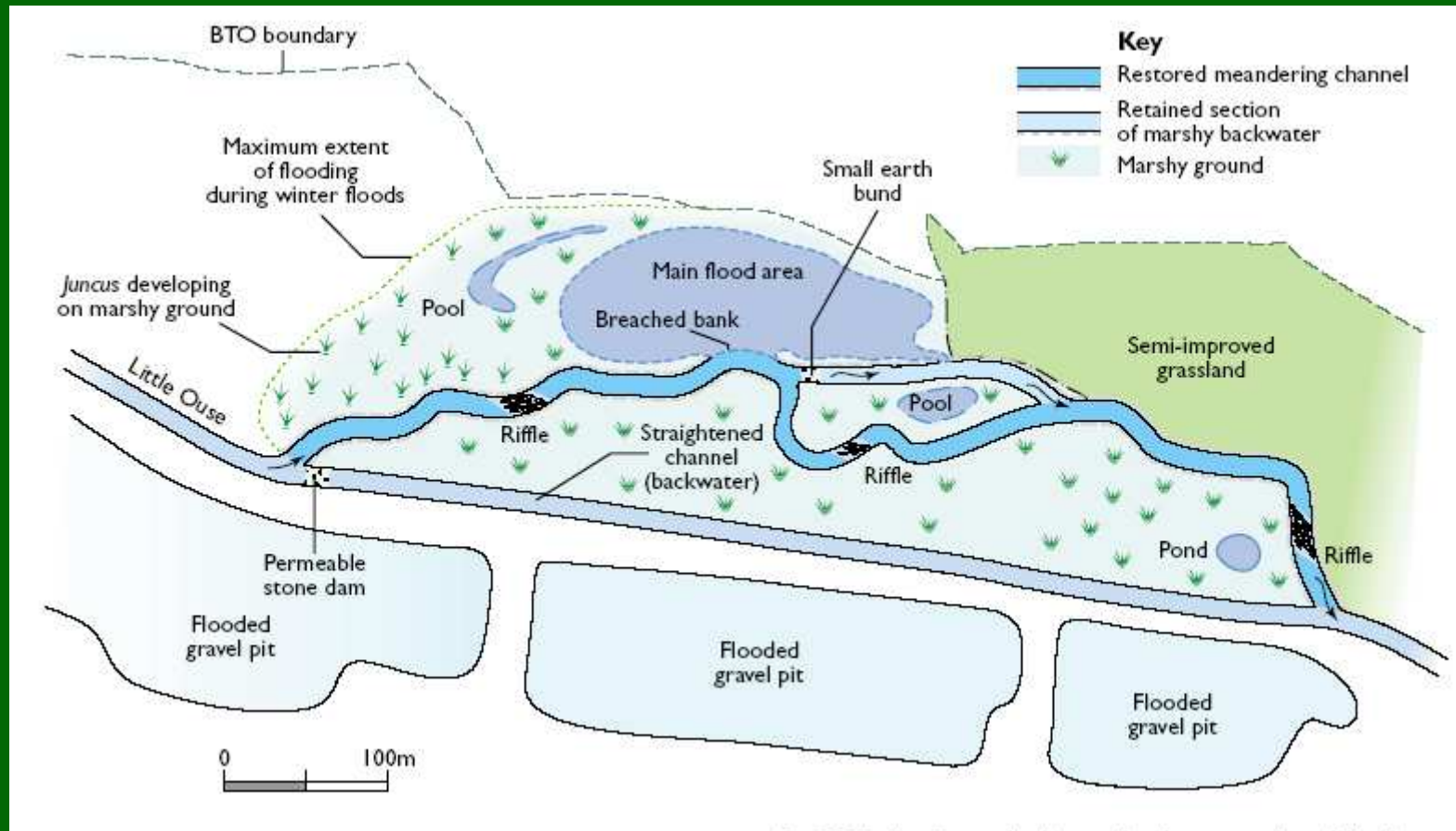




## Alternative delivery

- Reduce frequency/timing of dredging
- Adopt more ecologically friendly design
- Restore rivers, eg remove weirs, reconnect meanders
- Re-engineer rivers, eg in-channel deflectors, import gravel, raise river beds





## Possible issues

- Certainty of outcome
- ‘Environmentally friendly’ is not necessarily WFD compliant
- Acceptability of change
- Uncertainty of costs

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