

The Natural Flood Management Checklist:

Important considerations

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Your task

In groups, brainstorm all the considerations specific to your topic that are important when planning an NFM project

The topics:

1. Communications & Engagement
2. Environmental considerations
3. Logistics/Project management
4. Consents and permits
5. Monitoring

Communications & Engagement

- ➔ Landowner permission
- ➔ Upstream and downstream landowners
- ➔ Stakeholders/river users/angling clubs
- ➔ Parish councils
- ➔ Newsletters/letter drops
- ➔ Common rights holders
- ➔ Advertisement where necessary

Environmental considerations

- ➔ What's there? Check records: NBIS, SBIS, Cambs&P'boro Environmental Records Centre (CPERC), EWT Biological Records Centre
- ➔ Protected species surveys (water voles/otters/bats/breeding birds)
- ➔ Water vole mitigation plan
- ➔ Invasive Non Native Species present
- ➔ Designated/Non-statutory designated sites
- ➔ Restrictions on timings
- ➔ Conservation area
- ➔ AONB
- ➔ Archaeology
- ➔ Ground conditions
- ➔ WFD assessment
- ➔ Ecological Action Plan
- ➔ Method statement (what/how/when/duration/mitigation measures)
- ➔ Monitoring: pre and post ecological and hydrological
- ➔ Ecosystems services assessment

Logistics/Project Management

- ⇒ Funding secured/spending restrictions
- ⇒ Project manager
- ⇒ Delivery and milestones – think SMART
- ⇒ Environmental constraints to factor in
- ⇒ H&S
- ⇒ CDM Regs 2015
- ⇒ Any public access to site
- ⇒ Site access for plant (tree work needed? think timings/bats/birds)
- ⇒ Utility searches: underground/overhead services
- ⇒ Contingency planning (weather/financial)

Consents and permits

- ⇒ Landowner permissions
- ⇒ Who is the RMA? EA/IDB/ordinary watercourse
- ⇒ EIA Regs – advertisement required
- ⇒ Flood Defence consent – now Environmental Permitting Regs 2016
- ⇒ Modelling required – check with your RMA
- ⇒ NE permissions
- ⇒ Agri-environmental scheme
- ⇒ Planning permission
- ⇒ Waste exemption/transfer licence
- ⇒ WFD compliance

Monitoring

- ➔ What are you trying to show?
- ➔ Pre and post monitoring essential

- ➔ Fish
- ➔ Invertebrates
- ➔ Macrophytes
- ➔ NVC surveys
- ➔ Winter-wader aggregations
- ➔ Fixed point photography
- ➔ Hydrological data: water level monitoring/gauges
- ➔ Time-lapse photography