Current Situation and Related Questions

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**1 Scope**

*Where is the project?*

Geographical area of the project:

1. Is it just one water body? Or will the project focus on just a part of that?
2. Is the WFD water body id
3. Can you send shapefile of water body catchment outline?
4. Is the project limiting itself to WFD objectives only or do you aspire to go further?
5. What is the population of the project area (use lower level super output areas matched to census data perhaps)
6. Describe the waterbody as it flows along and projects / initiatives / issues to be aware of
7. What is the deadline

**2 Defining the problem**

*What are you trying to conserve or restore?*

1. What is the overall goal or aspiration your project under WFD by 2027?
2. Can you supply a summary of the assessment of all the WFD elements for both 2009 (baseline) and any subsequent years – e.g. from waterbody action plans

*What is the target biology (species, ecological communities or habitats) that you aspire to conserve or restore?*

1. We assume that the target biology are the ecological elements that the WFD has assessed as less than good status, is this correct?
2. Are there any other biological elements targeted for conservation or restoration?

*What WFD supporting elements (non-biological elements that support or threaten the biology, e.g. hydrology, ammonia etc.) are failing?*

1. We assume the failing supporting elements are those given in the RFF spreadsheet / waterbody action plan. Is this correct?
2. What about mitigation measures (if applicable)

We are not clear what role the “mitigation measures assessment” is playing.

1. What are the mitigation measures that have been assessed and do all of them require attention?
2. Are there any other failing supporting elements targeted for action?

**3 Suspected Causes of the WFD Failures (threats)**

*What are the suspected causes of WFD failure or putting it another way what are the direct threats to the target biology?*

1. Do you agree with these suspected causes of WFD failure from the RFF?
2. Can you show us on a map the locations of the items mentioned above that are causing problems (intermittent sewage discharges, urban developments, flood protection structures and drainage channels)?
3. Do you know about any other suspected causes of WFD failure that you think should be considered?
4. What evidence do you have to support the suspected causes that you have suggested? Do you already have these data.

**4 Conceptual Diagram**

We have found it helps to draw a rough and ready diagram to visualise the threats to the target biology, i.e. the suspected causes for the failing WFD elements. Figure 4 is a rough first draft based on a style that also includes the stresses (pressures) felt by the target biology. Perhaps this might be useful in helping develop a shared understanding

**5 Data Available**

1. What monitoring data were used to assess each WFD element (all of them both failures and non-failures, biological and non-biological), e.g.
   1. How many monitoring points were used to assess invertebrates, fish, ammonia, phosphate etc.?
   2. Where are they?
   3. What were the dates of the data used?
   4. Do you have all the data available?
   5. Are they plotted up as maps (GIS) and as time-series?
2. In addition what other data do you think is important to assess the various suspected causes of WFD failure, for example
   1. Reports;
   2. GIS layers, e.g. flood structures and urban development with dates;
   3. Databases, e.g. discharge consents for CSOs and PSOs, pollution incidents (NIRS);
   4. Stream flow gauging, water levels, water quality monitoring and biological monitoring not already available as part of the WFD assessment.
   5. EA Source apportionment estimates (SAGIS)
   6. Others?
3. What have you already managed to collect? Make a list of fruitful datasets and how to track them down

**6 Main Causes of WFD failure (critical threats)**

*Which threats are the biggest problem?*

In our E&M projects, we have initially focussed on all the suspected causes of WFD failure (i.e. all threats to the target biology) that people raise. After this we have worked with stakeholders and their existing evidence to identify the main causes of WFD failure (the critical threats to the target biology).

1. Have you already been able to identify any main causes of WFD failure and what is the evidence that supports them?

**7 Measures (actions)**

At the Measures Workshop stakeholders would propose actions (measures) to target the agreed main causes of WFD failure.

1. Do you know about any already existing actions or measures which are aimed at addressing the suspected causes of WFD failure
2. What is your assessment of their success?

**8 People Involved**

*Who is involved?*

On our E&M projects we have worked collaboratively with different groups and stakeholders. Some of the various possible group are shown in Figure 5.

1. Can you list who is involved in this project area, names, organisation, expertise and role?
2. Do you have specific people or groups who are providing expert advice?
3. Any other project partners who need to stay involved?