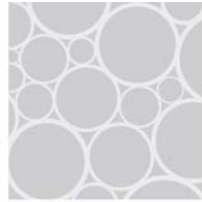




ENVIRONMENTAL



FLOOD RISK



DRAINAGE



ECOLOGY

Revisions to AMP3 UID Obligations

Yorkshire Water Services, 2003

Project aims

The project was required as a desk-study to assess potential capital schemes and cost estimates to address revisions to Yorkshire Water's AMP3 UID obligations. Working closely with Hyder Consulting the project was successfully completed to a very tight deadline.

Project summary

The project included a total of 36 catchment areas and a total of 115 UIDs were to be assessed. The revisions to the AMP3 UID obligations were grouped into three categories of

1. discharges to still waters,
2. changes to fisheries classification and
3. discharges to unclassified watercourses.



The initial phase of the project consisted of data collection to acquire drainage area details, hydraulic and water quality models, reports, etc from Yorkshire Water's DAS consultants.

The UIDs to be investigated were identified from the available data and liaison with Yorkshire Water.

For non-water quality UIDs, HydroWorks models were used to assess the spill performance of the overflows and two scheme options were developed for each. Firstly, an overflow diversion option was developed and secondly, a storage option was developed. In all cases a screening facility was assessed for each UID.

For the water quality UIDs, simplified river impact assessments were used to assess compliance with the revised water quality criteria. Where this showed a failure of the revised standard then a single storage option was developed to address this.

In all cases, great importance was placed upon the feasibility and buildability of the scheme options. In turn this allowed the scheme cost estimates to be developed with only limited assumptions and therefore greater confidence.

