

Understanding River Restoration Training Course – Module 2

RIVER RESTORATION: SCOPING, DESIGN AND INTEGRATED MONITORING

Day 1 – Tuesday 29th September 2009

9.30 Approaches to river restoration design

This follows on from the end of workshop 1. First there will be a recap of the final classroom study from workshop 1. This will be followed by examples of how you might scope a restoration project and determine options. This will include the understanding of stakeholder issues and how this might affect design and the use of data to evaluate options.

Presenter: Karen Fisher (Independent Consultant)

Presentation 1 [>>](#)

Presentation 2 [>>](#)

10.45 Tea and Coffee

11.15 Presentation on River Rother potential restoration scheme and on-site health and safety

Presenter: Karen Fisher (Independent Consultant)

Presentation [>>](#)

11.45 Field excursion and on-site group scoping study project – Western Rother.

Exercise [>>](#)

14.15 Return to class room for Buffet Lunch, tea/coffee

14.45 In groups to scope out favoured options including sketch diagrams

15.30 Discussion about design challenges and what additional data you may need to collect (in groups)

16.00 – 16.30 Tea and Coffee

16.30 Getting it done-design challenges

What to we need to consider (to include discussion about project specification, tender evaluation, costing, health and safety, bill of quantities, landowner issues, EIA, CDM regulations etc)

Presenter: Dan Alsop (Independent River Engineer)

Presentation [>>](#)

18.15 Any questions and format for second day

19.30 Dinner

Day 2 – Wednesday 30th September 2009

9.00 Objective setting and integrated project appraisal

Thinking about putting project appraisal into the projects from start to end. Appropriate decision of objective setting and measurable targets. Use of appraisal not only to assess project success but also to understand what the future management requirements are and at over what time scale.

Presenters: RRC and Andy Gill (Cranfield University)

10.00 Tea and Coffee

10.30 Presentation and field excursion to Shopham Loop with on site exercise – (packed lunch provided)

- Relate what was learnt on the previous day (design challenges for the Shopham Loop Project)
- Project appraisal – How would you set your objectives and what would you measure at this site?

Presenters: Charlie Smith (Environment Agency)

Exercise >>

14.30 leave site

15.00 Tea and Coffee

15.30 Feed back discussion from field excursion and presentations on group appraisal protocol

16.00 Appraisal strategy for Shopham Loop – what is being done.

Presenters: Jenny Mant and Charlie Smith

16.20 Departure and certificates

Facilitators:

Martin Janes, River Restoration Centre Manager

Martin has over 14 years river restoration experience which includes scoping, planning, coordinating, delivering and assessing projects throughout the UK. These projects range from small stream enhancements to large >£1m river restoration schemes. Annual teaching commitments include delivery of river restoration modules to MSc students and undergraduates, as well as over 20 workshops and training courses for practitioners, regulators and scientists.

Jenny Mant

Jenny has worked for the River Restoration Centre for over 6 years and has a background in fluvial geomorphology. She has a wealth of technical experience about how to plan and deliver river restoration projects. She currently teaches MSc students at Cranfield University and supervises MSc students who are interested in river processes, management and restoration and has also been involved in delivering a range of workshops and training courses to a wide range of participants.

Karen Fisher

Karen has over 15 years of experience working on the hydrology and hydraulic aspects of river restoration projects. She is a civil engineer by background and has worked on a wide range, and scale, of river restoration, river flood management and research projects whilst working for HR Wallingford, Birmingham University and her own consultancy company. She has been involved throughout her career in teaching courses and workshops on hydraulics and hydrology and in more general engineering management teaching with the Open University.

Andy Gill

Andy Gill started his career in 1989 as a NERC funded Research Assistant at Leicester University. Following his PhD, he worked for three years with a coral reef conservation organisation on field projects mapping reefs communities and providing scientific advice and support for the development of marine protected areas in Belize and the Philippines. On returning to the UK in 1996, Andrew took up a temporary lectureship in Fish and Fisheries Biology at Liverpool University and in 1999 set up a new postgraduate course in Restoration Ecology and was appointed Course Director. In late 2003, Andrew moved to Cranfield University to take up his current position as Lecturer in applied aspects of aquatic ecology. Andrew manages the Environmental Water Management option on the Water Management postgraduate programme at Cranfield.

Charlie Smith

Charlie Smith has worked for in a Fisheries, Recreation and Biodiversity Team within the Environment Agency for nearly 7 years. In her role as the technical specialist, she has been involved in river restoration and enhancement projects which have included Shopham Loop. Her role within these projects has varied and included providing technical advice, Environmental Impact Assessment, post project monitoring and project management. She is currently facing the challenges of river restoration on the River Adur, project managing the design and modelling phase of a flood plain restoration project.