

The Hyporheic Network: Record of workshop discussions, 11-12 July 2007

Workshop number: Day 2, Workshop 1

Workshop leader: Prof John Tellam, University of Birmingham

Workshop goal:

"The Hyporheic Handbook – is the outlined handbook what you need the Network to produce to help disseminate research to environmental managers?"

Outcomes:

- Feedback on the objectives of the Handbook (goal, audience, etc)
- Is the structure OK?
- Volunteers to join work group teams"

Record of Workshop:

1. Overall aim of the handbook
 - Will be useful due to the breadth of the subject drawn together
 - Should provide a starting point for the scientific community (+MSc)
 - Ought to help promote interdisciplinary research on this topic.
 - To be successful it must be interdisciplinary
2. Emphasis within chapters
 - Needs a balance of theory and practicality
 - End-users need to help guide the handbook to ensure the final product is useful
 - Needs to give guidance on the state of knowledge and which problems are current answerable. Should provide state of science, rather than be a manual.
 - Needs to cover all types of rivers in the UK, but focus emphasis of the most prevent pollutant pressures / river systems subject to catchment management decisions
 - Needs a strong editorial control to ensure uniformity of structure, presentation etc
3. Management / driver issues

- The HZ is not explicitly names in any legislation, but the role of the interface is critical in integrated GW-SW management. Need to clearly emphasis why the GW-SW interface is important
- Need to learn from and incorporate research and knowledge from overseas where it is transferable to the UK situation
- Guidelines should be UK focused and ideally have UK case examples.

4. The 'How to' chapters

- Order presented is good
- Sampling could be incorporated into each chapter, rather than being a stand-alone chapter?
- Similarly each chapter could end with a section on modelling and prediction
- Each chapter should have a brief overview that pulls out the key points and lessons
- Chapter should have 1 owner who is responsible for delivering, but then draw on a wider pool of expertise
- The Network should have the necessary resources and skills to deliver this, assuming it maintains momentum.

5. Other issues

- Opportunity to develop additional products alongside the handbook?
 - textbook, themed journal