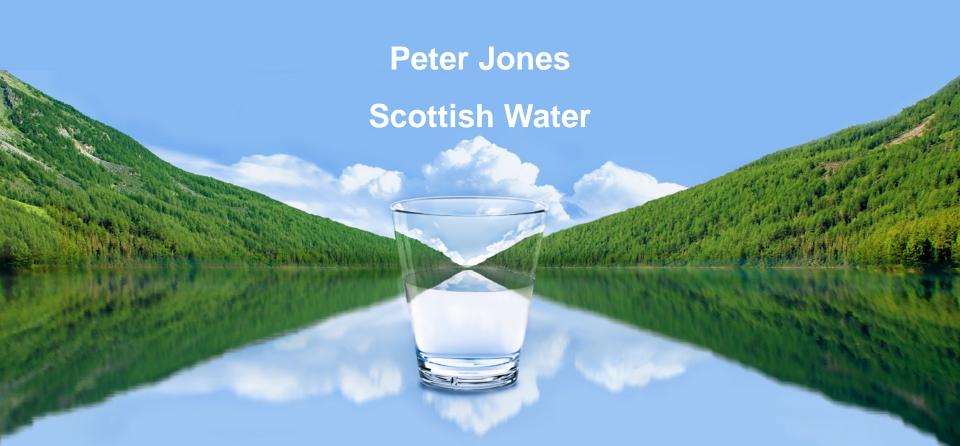
Sampling aspects and how to ensure fit for purpose sampling scheme



Outline

- 1. Understanding the scheme requirements
- 2. Understanding the receiving Laboratory needs
- 3. Review the sites
- 4. Understanding the Sampling
- 5. Design a programme to meet these needs
- 6. Monitor and Review



Understanding the Key Points of the Study

Meet the requirements

- 1. Identify most appropriate sample points
- 2. Provide robust data to inform what happens next
- 3. Take enough samples
- 4. Take them correctly
- 5. Minimise contamination risk



Understanding the scheme requirements

An Overview of

i. What is needed

- Sampling guidance
 - Determinands
 - Procedures
 - Sensitivity
 - Frequencies
 - Reporting

i. Where it is needed

- Sites identified 20 in Scotland
- Sampling locations



Understanding the Laboratory Capabilities

What do you need to know

- Capability
- Capacity
- Specific requirements
 - stability
 - bottle types
 - storage/transportation/chain of custody
 - information
- Outsourcing



Understanding the Sites

i. Full Review of the sites and their Implications

- Geographical spread
- Locate sample points





Understanding the Sites

- 1. Outfall
- 2. Egress Entry
- 3. Sign-in
- 4. Raw
- 5. Final Effluent

Route





Understanding the Sites

i. Full Review of the sites and their Implications

- H&S
- Access
- Options to mitigate risk
- Control measures





Understanding the Sampling Needs

i. What do you need to cover

- Recruitment
- Training
- Equipment/Resources



Understanding the Sampling Needs

- i. Ensuring sampling does not impact on results
 - Procedures
 - Sampling
 - Equipment
 - Information
 - Important to have
 - Correct kit
 - Correct Cleaning and storage
 - Blanks

Once you have done all of that



Scheduling the Sampling Scheme

i. Designing and Scheduling a programme

Based on

- All the requirements set
- The receiving lab and any resources
- In consultation with the customer



Understanding the requirements

i. Monitor and Review

- Compliance with programme
- Issues
- Results
- Review and amend (in consultation)



Conclusion

How to ensure fit for purpose sampling scheme

- Fully Understand all the requirements prior to start up
- Fully understand the receiving Laboratory's capability, requirements and capacity
- Visit all sites prior to start up and review
- Put in place the correct resources and training/understanding
- Design and implement the programme
- Review, Review, Review
- Prepare



