

The Dee and Tarland catchments

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RIVER DEE
 Rises at 1220m
 126 km long
 2100 km²
 17 major tributaries
 WFD, NVZ, SAC

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Tarland and the River Dee catchment

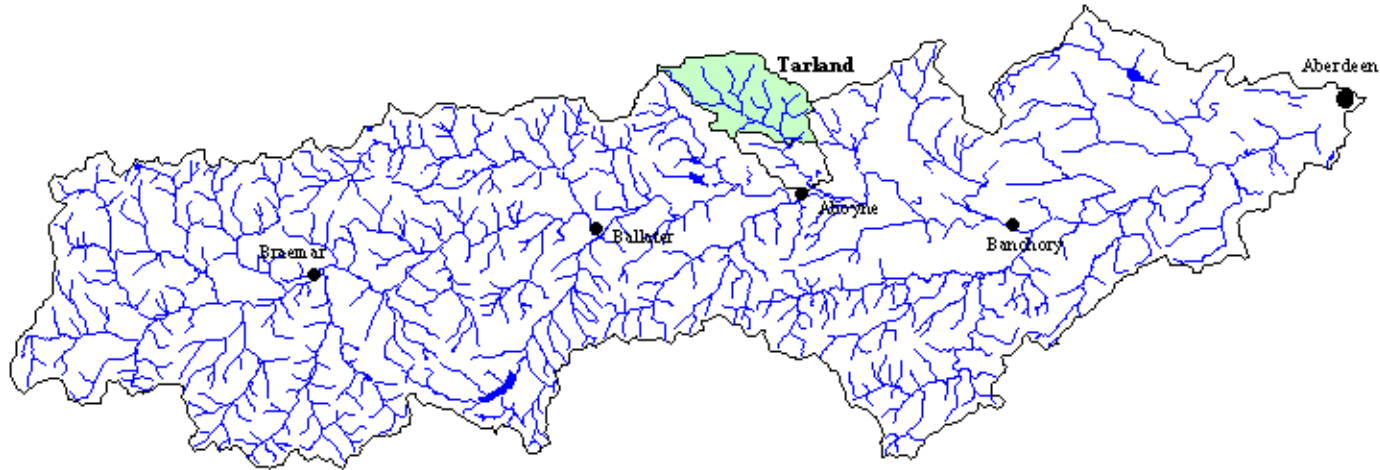
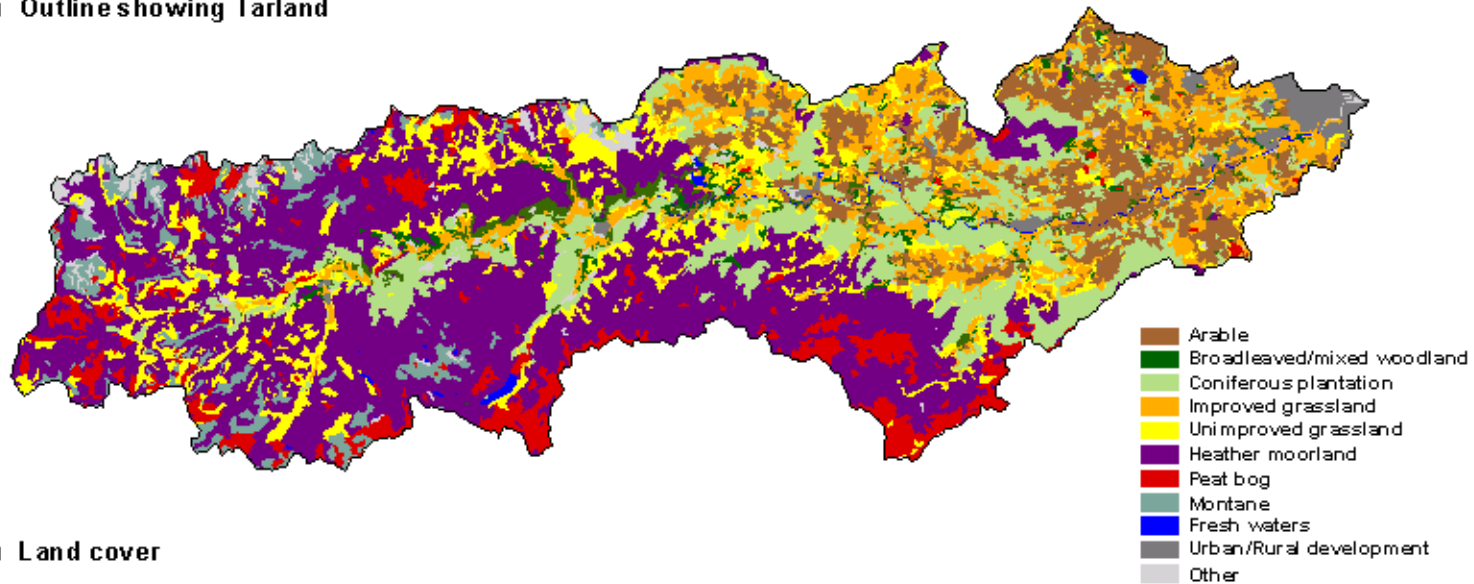


Figure 1: River Dee catchment
a) Outline showing Tarland



b) Land cover





Tourism



Housing



Drinking water



Forestry



Waste water disposal



Recreation



Fishing



Farming



Harbour

River Dee: Special Area of Conservation

Freshwater pearl mussel
(*Margaritifera margaritifera*)



Salmon (*Salmo salar*)



Otter (*Lutra lutra*)



For the River Dee

In meeting these needs a range of pressures and issues identified

- Pollution**
- Habitats**
- Flooding and low flows**

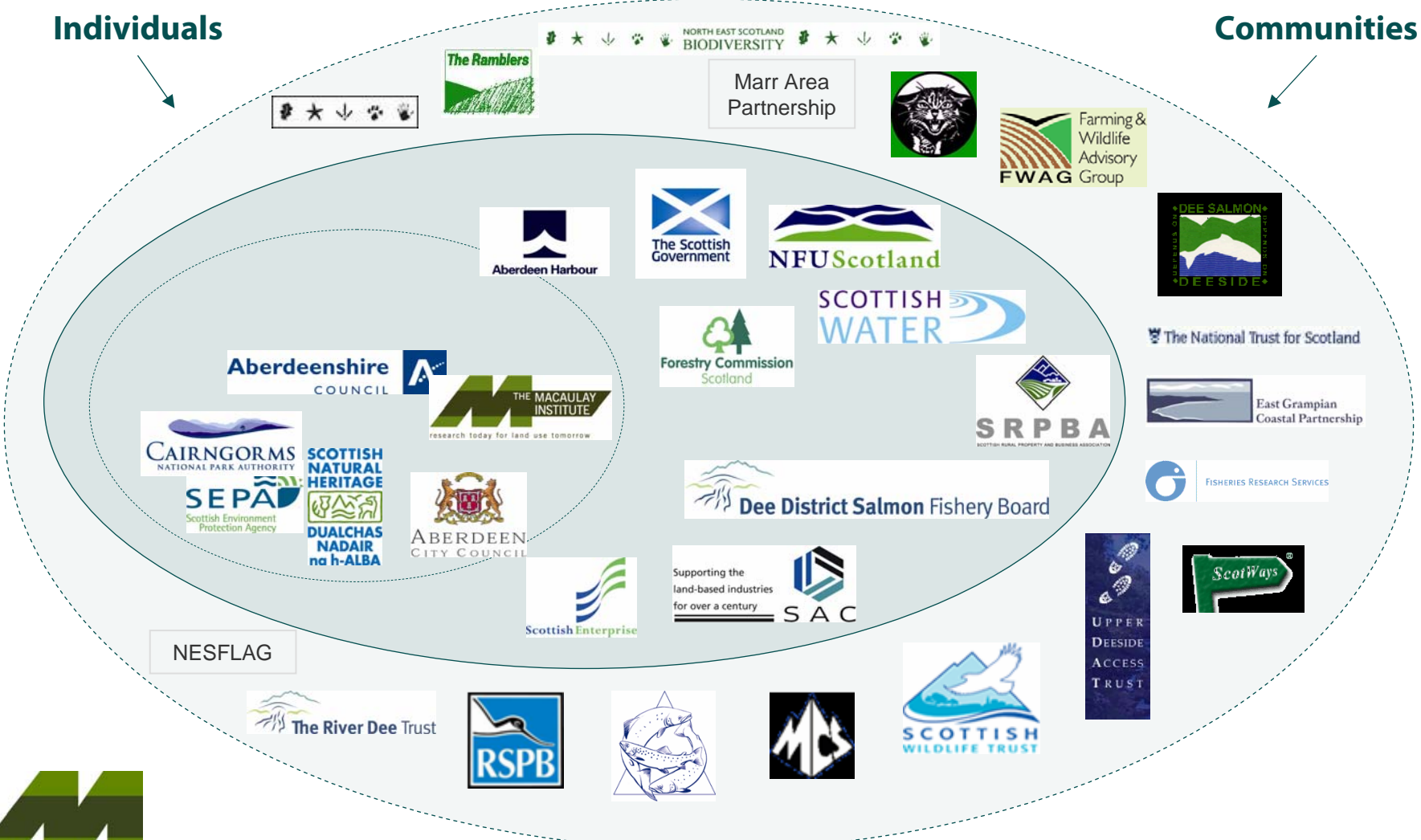
The most effective way in dealing with these is to have an integrated catchment management plan



Who is involved in the partnership

Individuals

Communities



37 Strategic Objectives

WATER QUALITY

- 1. Diffuse agricultural pollution**
- 2. Pesticides and sheep dip**
- 3. Woodland management**
- 4. Surface water drainage**
- 5. Road and access track drainage**
- 6. Public sewerage/drainage systems**
- 7. Private sewage treatment systems**
- 8. Organic waste recycling**
- 9. Agricultural landfill sites**
- 10. Contaminated land and landfill**
- 11. Watercourses in Aberdeen City**
- 12. Aberdeen beach**
- 13. Aberdeen harbour**

WATER RESOURCES

- 14. Abstraction**
- 15. Effects of land management on river flow**
- 16. Flood alleviation**

DEVELOPMENT AND ENGINEERING

- 17. Channel and bankside engineering works**
- 18. Obstacles to fish passage**
- 19. Effects of changes in land use**

HABITATS

- 20. Lowland wetlands**
- 21. Upland wetlands**
- 22. Flood plains**
- 23. Wet and riparian woodland**
- 24. Bankside grasslands**
- 25. Urban watercourses**

SPECIES

- 26. Atlantic salmon**
- 27. Freshwater pearl mussel**
- 28. Otter**
- 29. Invasive plant species**
- 30. American mink**
- 31. Fish pond management**
- 32. Fish data**

ACCESS AND RECREATION

- 33. Access and recreation**

SUB CATCHMENTS

- 34. Tarland burn catchment**
- 35. Loch Davan catchment**
- 36. Loch of Skene catchment**
- 37. Elrick burn catchment**



- **Need to prioritise, 37 too many objectives to tackle at once**
- **Prioritised through participatory workshop**
- **Establishment of implementation Groups**
- **Added advantage of increasing ownership, consideration of resources necessary (from whom) and hopefully stakeholder engagement**



1. Restoring urban watercourses

ACC
SEPA
SNH
DDSF
SAC
SRPBA
AHB
NFUS
AC
MI



Priorities 2008-2010

2. Reducing diffuse source pollution



- ACC
- AC
- CNPA
- DDSB
- FCS
- MI
- NFUS
- SAC
- SEPA
- SGRPID
- SNH
- SRPBA

**3. Reducing pollution
from septic tanks**

**SAC
SRPBA
NFUS
AC
SEPA
MI
CNPA**



Priorities 2008-2010

SNH
DDSBF
SAC
SRPBA
NFUS
FCS
SGRPID
AC
SEPA
MI
NELBAP
CNPA



**4. Managing flows – runoff
and water storage**



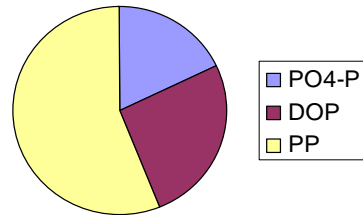
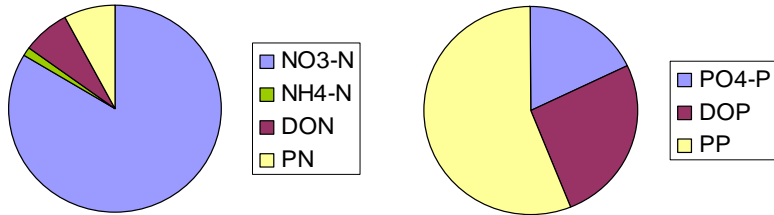
Priorities 2008-2010



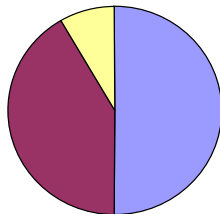
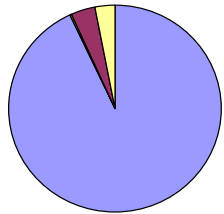
Raising awareness and increasing capacity



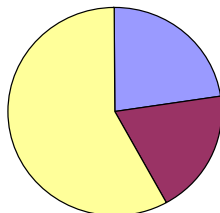
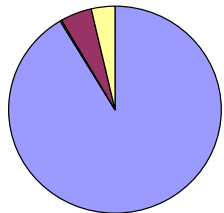
Characterise diffuse pollution



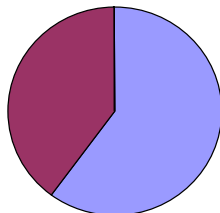
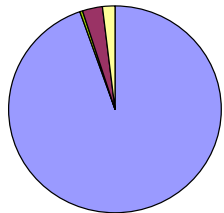
An agricultural headwater stream



Field runoff



Field + road + yard runoff



Field runoff

N species

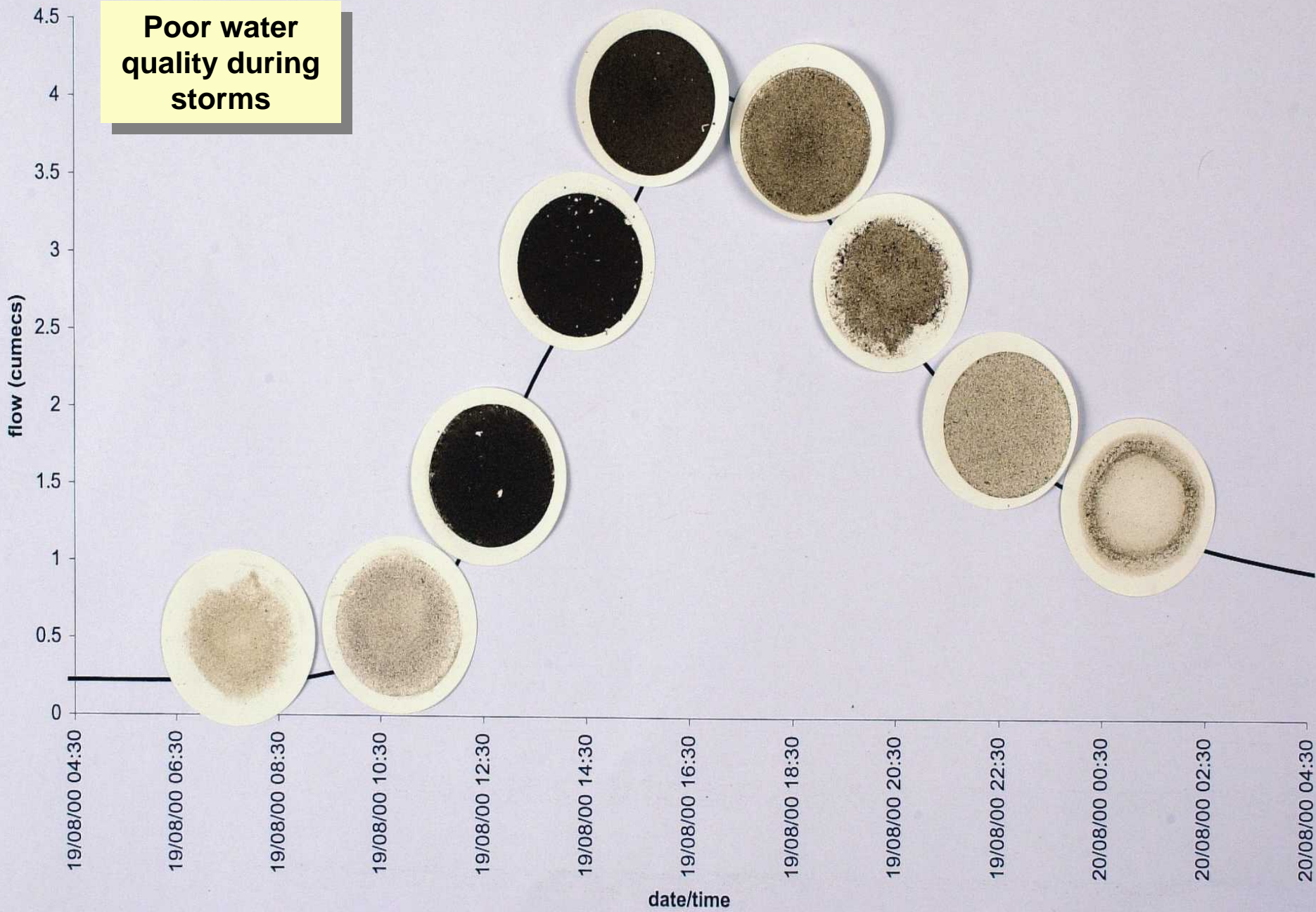
P species

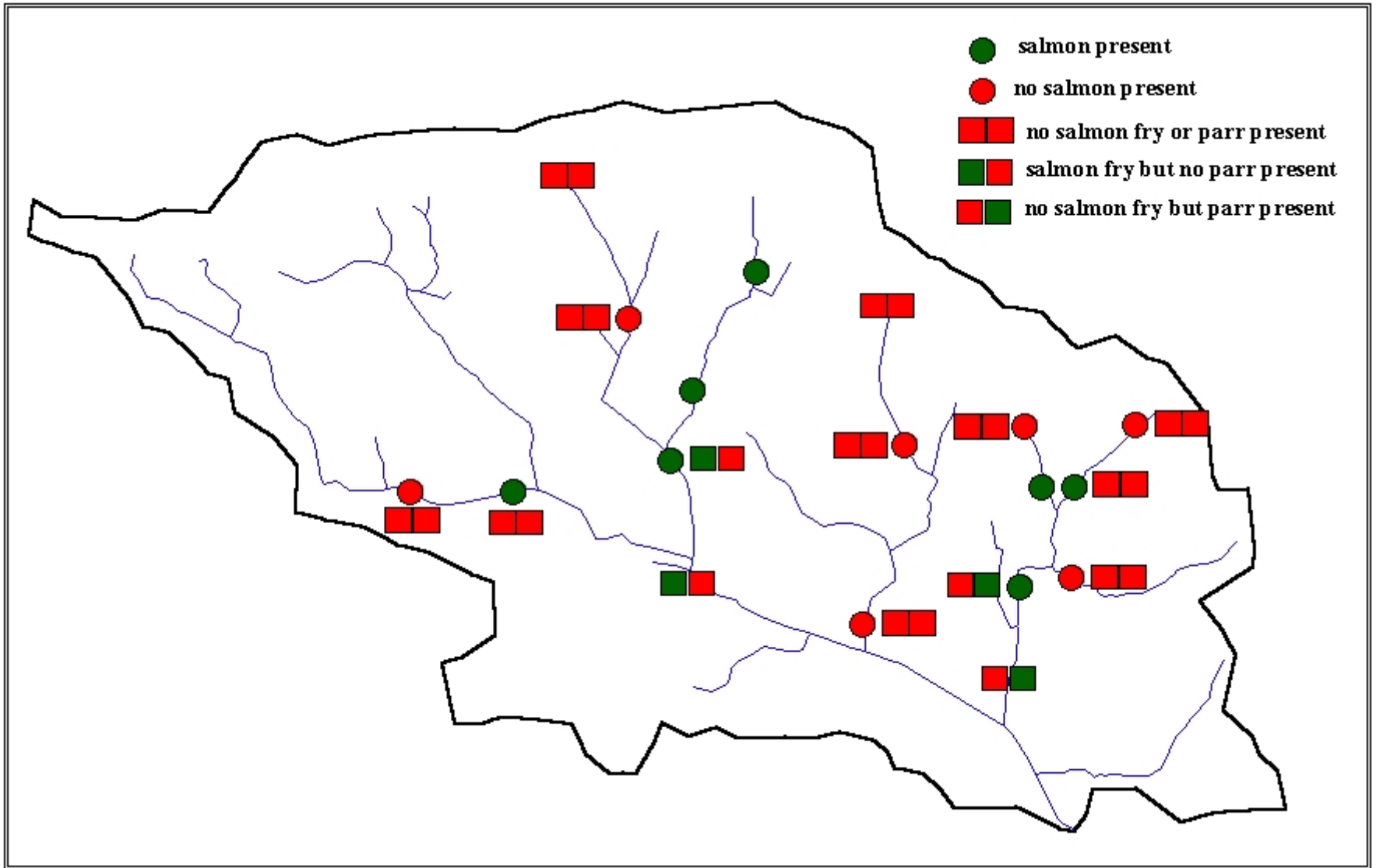


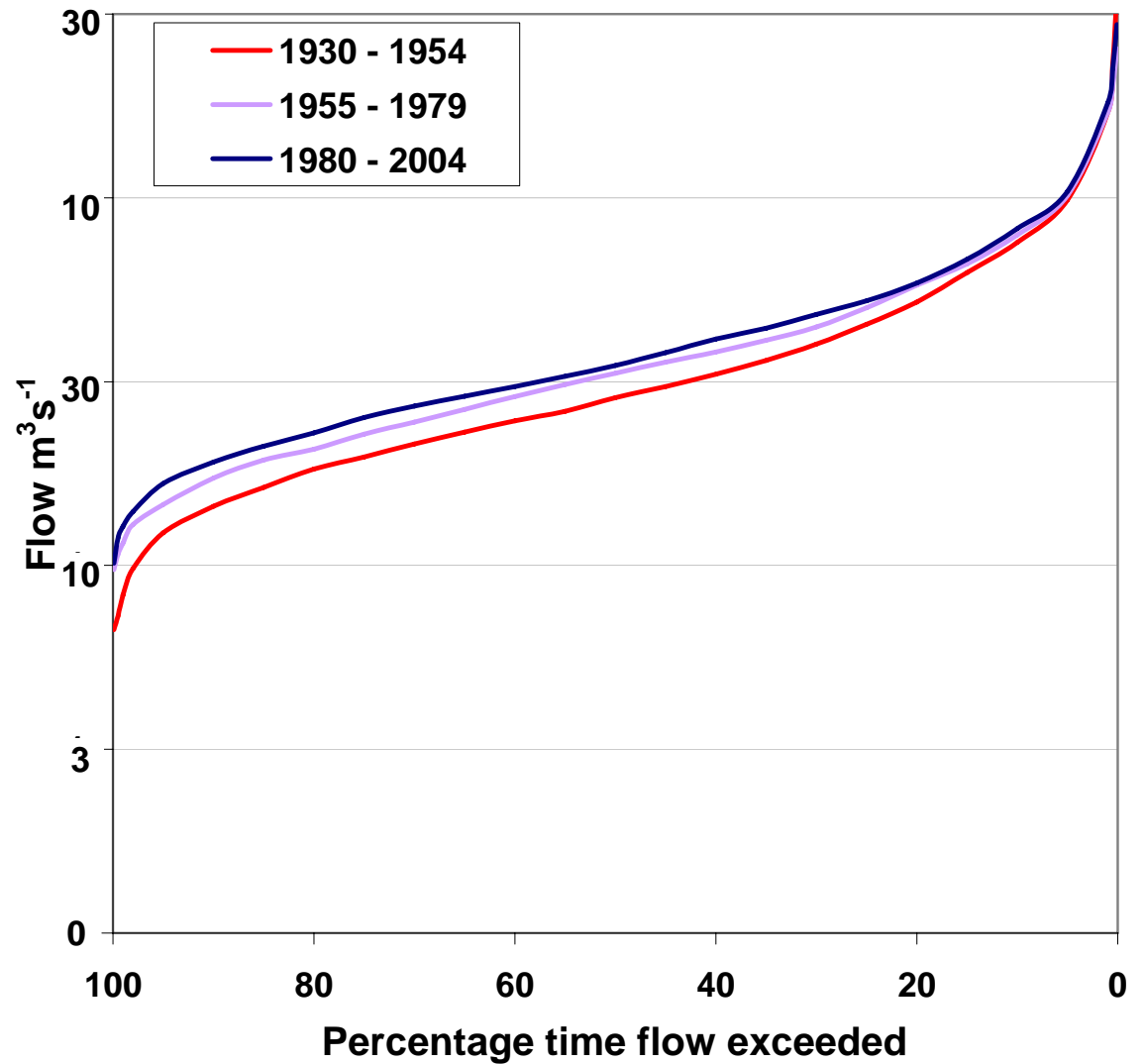




Poor water quality during storms







Flow duration curves for spring: A significant increase in flows between all three 25 year periods







STRACHANS or **ROYAL DEESIDE**

FROZEN FOODS CONFECTIONERY FRESH FRUITS

Person walking a dog

Person standing

Person standing

Dog



What is the role of the Dee Catchment Partnership?

- ✓ Provide a **strategic framework** for action
- ✓ **Promote widespread awareness and discussion** of the main problems
- ✓ Facilitate **agreed solutions** to problems
- ✓ **Coordinate** activities
- ✓ **Develop projects** to tackle key issues
- ✓ Provide a **source of information**

