Down the river – out to sea… and in some cases back again

Prof Colin Moffat
Our Vision

'clean, healthy, safe, productive, biologically diverse marine and coastal environments, managed to meet the long-term needs of people and nature'
National Marine Plan 2015

Scottish Marine Regions: Draft Boundaries

Serpula vermicularis

New
Thinking Widely

Holistic assessments: inputs – concentrations – effects

JAMP
- CAMP
- RID
- CEMP

RAG Reporting
MSFD – D8, D9
Assessing Human Impact

CSEMP assessment using data extracted from MERMAN on 31 July 2012

Status (colour)
- below BAC
- above EAC

Trend (shape)
- downward trend
- no trend
- upward trend
- informal status assessment
- status assessment only

Station information:
- Name: Irvine Bay
- Code: Clyde_IrvineBay_002
- Longitude: 4.788
- Latitude: 55.386
- Agency: Marine Scotland
- Species: Pleuronectes platessa

Further station information:
contact: Marie Russell
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More information:
assessment methodology
assessed criteria

CB 118 in Biota

OSPAR COMMISSION
HSS
MSFD – D8, D9
The Scottish Salmon

• Iconic species
• Born and early life in freshwater – migrates to salt water – returns to freshwater

1.5 m high beaver lodge, Tay
Beaver dam near Dunkeld
Salmon in coastal waters

Genetic methods to assign returning salmon to regions/rivers of origin

Swimming depths of returning Atlantic salmon in coastal waters

Need to better manage coastal human activities: aquaculture, renewable energy, tourism, wild fisheries

Genetic methods to assign returning salmon to regions/rivers of origin
Key Message

We live on ‘planet water’. Our water resource is fundamental, is warming and our sea level is rising. We have a responsibility to understand the freshwater salt water links and to jointly manage the human activities which impinge on this fundamental resource.