River Wensum Past & Present

















River Wensum strategy partnership









River Wensum River fly Census







River Wensum **Demonstration Test** Catchment



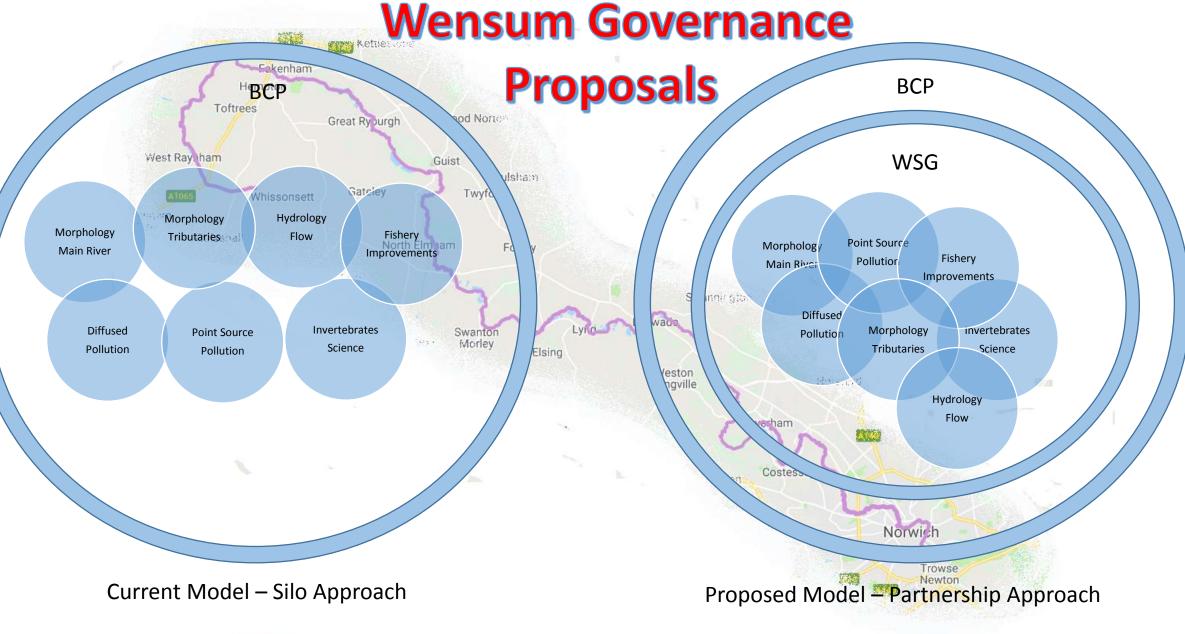
River Wensum Abstraction Regime







River Wensum One of the UK most studied Rivers **But.....**

























Broads Catchment Partnership **Wensum Governance Proposals** Wensum Potential Work Strings & Themes Steering Group Point Diffused River Fisheries **Invertebrates** River Pollution Pollution Source Hydrology (scientific / Morphology improveme Morphology Monitoring Finance Pollution Flow (Main monitoring) (Tributaries) trapping) (Agriculture) (Industry) River) Environment Agency Environment Agency BASG BASG UPPER WENSUM BASG ENGLAND CLUSTER FARM GROUP Norfolk love County Council Environment Agency drop anglianwater Environment Agency every Salmon & Trout UPPER WENSUM UPPER WENSUM Conservation. drop CLUSTER FARM GROUP UPPER WENSUM NORWICH CLUSTER FARM GROUP ENGLAND City Council Environment Environment Agency Agency Norfolk UPPER WENSUM **NEW**ANGLIA County Council Local Enterprise Partnership for harfolk and Sulfolk ANGLING Catchmen

Potential Membership

Broads Catchment Partnership **Wensum Governance Proposals** Wensum Today's Grouped Themes **Steering Group** Point Invertebrates Pley ific / n.Shitoring) Diffused Diffused Source Morphology Orphology Orpho Pollution **Pollution** Off Field) (Industry) Environment Agency Environment Agency BASG BASG UPPER WENSUM NGLAND CLUSTER FARM GROUP love every drop Environment Agency anglianwater Environment Agency every Salmon & Trout UPPER WENSUM Conservation. drop UPPER WENSUM NORWICH CLUSTER FARM GROUP NGLAND City Council Environment Agency Norfolk JPPER WENSUM County Council ANGLING

Potential Membership

BASG

Norfolk

County Council

UPPER WENSUM

CLUSTER FARM GROUP

Environment Agency

NEWANGLIA

Catchmen

Local Enterprise Partnership for harfolk and Suffolk

Wensum Governance Sunton Fakenham Measures Hempton Toftrees Wood None Great Ryburgh West Ray ham Guist Foulsham Whissonse* 21% 25 25 25 25 39 56 53 53 53 53 79% 170 30 Swanton Morley Elsina Morphology Morphology Diffused Hydrology Diffused Diffused **Invertebrates** Fishery Wensum Pollution **Ecology** Flow **Pollution** Pollution Science **Improvements** Main River **Tributaries** Agriculture Silt Traps Industry Measure Measure Measure Measure Measure **CostesMeasure** Measure Measure Length of **WFD Status FDC TBA TBA APEM Audit TBA** TBA Restoration **HDERF** Sources Norwich Trowse Newton























River morphology **Wensum Governance Proposals** (Main River)

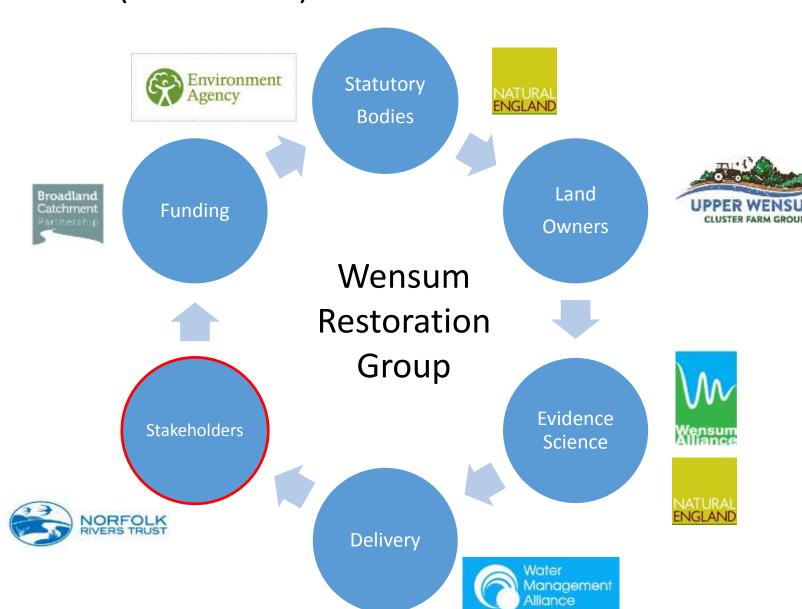


Potential Model
Governance -Wensum Restoration Group
Lead Body – Environment Agency

Objectives
Implement RWRS recommendations
Identification of multiple benefits
Consultation with key stakeholders
Secure new funding streams

Outcomes Scheduled planned delivery of RWRS Full stakeholder engagement

River morphology **Wensum Governance Proposals** (Tributaries)



Potential Model
Governance -Wensum Restoration Group
Lead Body – Norfolk Rivers Trust

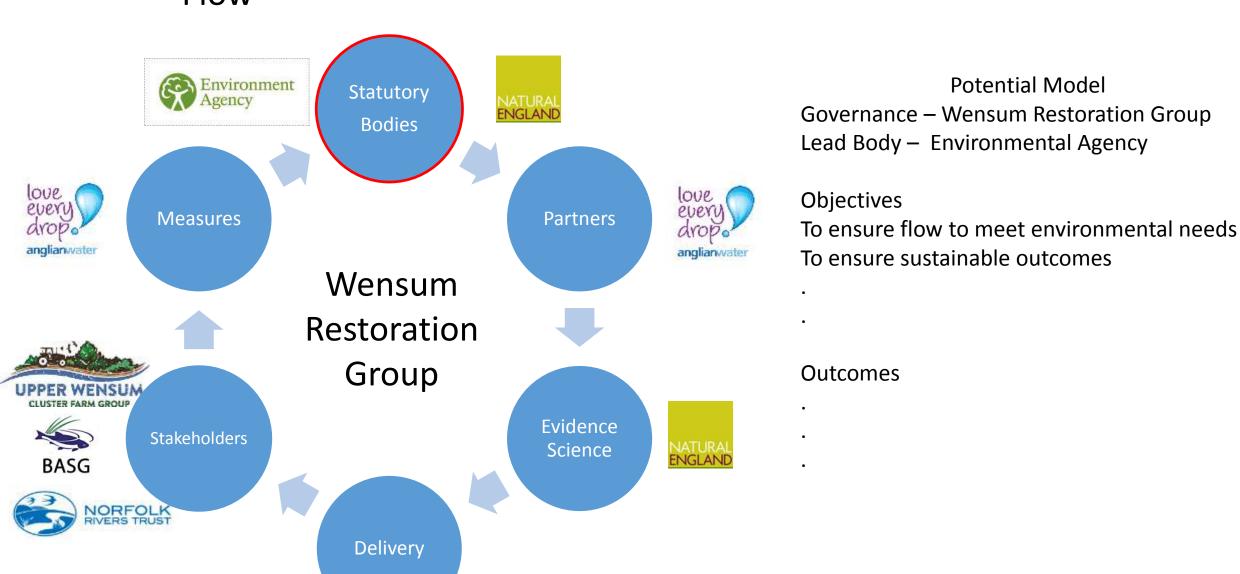
Objectives

Implement RWRS recommendations
Restore WFD ecology status to Good
Identification of multiple benefits
Consultation with key stakeholders
Secure new funding streams

Outcomes
Scheduled planned delivery
Full stakeholder engagement
Removal of 2016 Ecology poor by 2021

Hydrology Flow

Wensum Governance Proposals



Point Source Pollution Wensum Governance Proposals (STWs and industry)



Potential Model
Governance -Wensum Restoration Group
Lead Body – Environment Agency

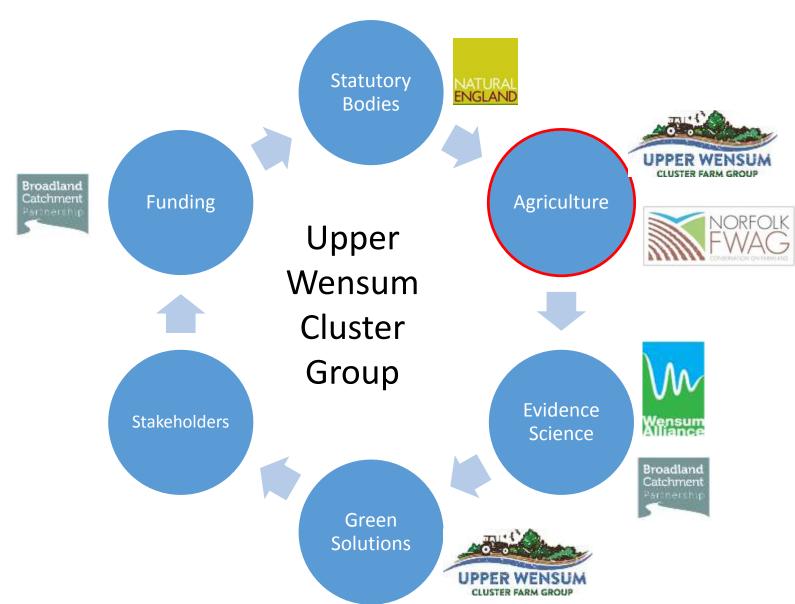
Objectives
Reduce Chemical Input from STW
Identification of priority locations
Identification of possible Green Solutions
Definition of required budget for PR24

Outcomes

Inclusion of Wensum in priority PR24 submission Inclusion of at least 2 natural capital solutions
Definition of need to the public and SSSI

Diffused Pollution (On field measures)

Wensum Governance Proposals



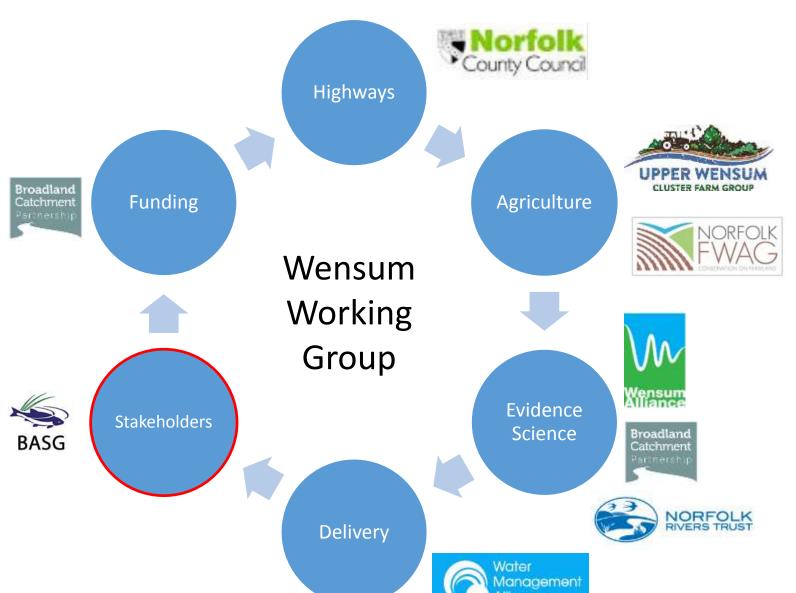
Potential Model
Governance –Upper Farm Cluster Group
Lead Body – Upper Farm Cluster Group

Objectives
Identification of priority locations
Drive change of farming field practice
Keeping the soils within the field
Use of field buffer strips

Outcomes

Diffused Pollution (Off Field Measures)

Wensum Governance Proposals

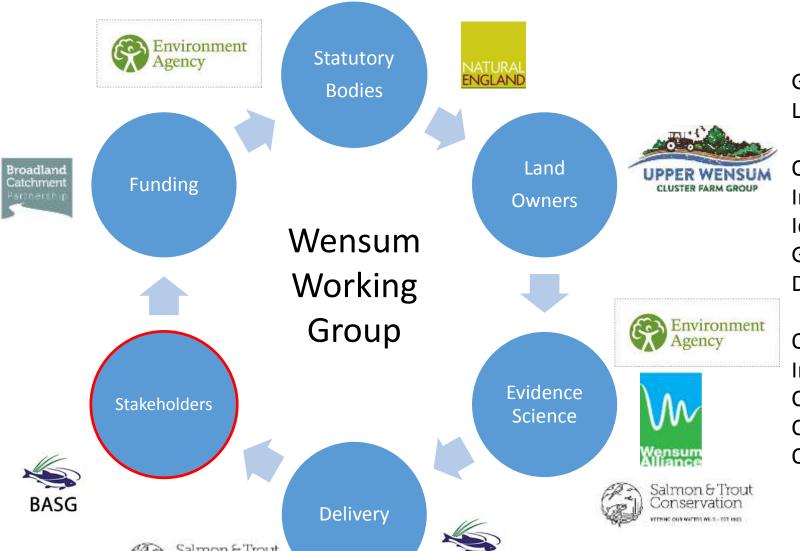


Potential Model
Governance -Wensum Working Group
Lead Body – Water Management Alliance

Objectives
Identification of priority locations
Design and Build solutions (3 per year)
Identify multiple habitat benefits

Outcomes
Delivery of 3 solutions per year
Delivery of multiple benefits
Quantify and Measure success

Invertebrates Wensum Governance Proposals (scientific / monitoring)



Potential Model
Governance -Wensum Working Group
Lead Body – Wensum Working Group

Objectives

Introduce catchment wide monitoring
Identification gaps in current knowledge
Gain evidence on WFD status on Invertebrates
Define scientific linkages to cause and effect

Outcomes

Introduce end to end SmartRiver monitoring Create a baseline measure in year 1 Challenge current WFD Invertebrate status Obtain evidence of linkages cause and effect

Fishery improvements

Wensum Governance Proposals



Potential Model
Governance -Wensum Working Group
Lead Body – Wensum Working Group

Objectives

Increase off channel refuge and habitat
Confirm fish population densities
Implement a Roach recruitment program
Implement predation management measure
Increase access to anglers

Outcomes

Provision of 150sqM off channel refuge per y Improved understanding of fish stock Define measures for Roach recruitment Implement a cormorant survey program Provision of additional cormorant licences Agreement for additional or improved access