

# Broadland Catchment Partnership Activity and Action Workshop 3<sup>rd</sup> December 2013



## Summary Report



Report produced by Neil Punched on behalf  
of the Broadland Catchment Partnership  
Steering Group - 05/12/13

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## Background and pre-event material

- Previous Broadland Catchment Partnership workshops had produced a vision, and agreed issues with evidence and uncertainty around these discussed. The Steering Group had proposed to structure the issues around four key themes for the catchment plan:
  - Water Quality
    - Phosphorus
    - Nitrogen
    - Sediment
    - Pesticides
  - Water Quantity
    - Water availability (low flows/aquifer)
    - Flood risk (high flows)
  - Habitat Quality
    - River and floodplain modification
    - Invasive species
  - Recreational access and community engagement
    - Integration of access, incorporation into schemes
    - Community engagement

Sharing knowledge and increased understanding is central to all of these themes

- The Steering Group had subsequently requested that the partnership officer undertake an evaluation of current and historic activity to address the agreed issues based on 5 key management areas:
  - Wastewater
  - Land
  - River and floodplain
  - Holistic water
  - Recreational access and community engagement.

*This activity evaluation was e-mailed to participants prior to the workshop.*

## Aim

- The aim of the workshop was to discuss current activity in relation to existing priorities (and suggest actions and areas for collaboration to address the multiple catchment wide issues listed above.

## Event material

- A catchment map was produced by the Broads Authority based around information and evidence provided to the partnership. It included the WFD failing water bodies, potential fish barriers, the condition of lake and river SSSI wildlife habitats and potential wetland habitat. The outputs of SCIMAP an erosion risk model that incorporates land use and slope were also presented.

\*Drinking Water Protected Areas and Safeguard zones to represent catchments upstream of at risk public water supply sources and sewage treatment work locations would have been displayed but the partnership had not been able to obtain these although hopes to have received them in time for publication of the plan.

## Format

- Attendees were welcomed by Peter Woodward, independent facilitator with the following short presentations from the Broads Authority.
  - John Packman, Chief Executive relating to strategic priorities and the importance of the catchment partnership to these.
  - Andrea Kelly, Partnership Chair, on behalf of the Steering Group, provided updated information on the Catchment Based Approach (CaBA), ecosystem services, the progress of the partnership and timelines for the catchment plan production.
  - Neil Punchard, Partnership Officer, presented on how and why the catchment map was produced to build a picture of the priorities, activities and risk at a catchment scale. Examples of other relevant information including recreational access, road networks, biodiversity areas and sewage treatment works improvements was also shown.
- The workshop involved 3 sessions. Participants worked in groups related to key activity areas.
  - Session 1 – activity and priorities in relation to risk and condition/status of waterbodies.
    - *Groups assessed whether the maps produced reflected participants views or experiences. What could be concluded around the location of current activity in relation to risk and how the maps could be improved or refined.*
  - Session 2 – current activity - ideas for improvement and areas for collaboration.
    - *Groups assessed the activity including its limitations in context of improvements to water environment, society and local economy: what is and what isn't working and why? Group agreed and reported in plenary top 3 suggestions for collaboration to improve effectiveness of activity.*
  - Session 3 – Ideas for collaboration and action.
    - *Groups considered how to increase collaboration using lists from morning session where required (but also unconstrained) and suggested necessary new actions to deliver facilitate improvements to the water environment including an owner and support from different organisations and individuals to take forward and work together.*
- The group responses were gathered in plenary sessions. The group responses have been summarised below.

## Suggested additions to be displayed on maps used in plan where possible

1. Add smaller towns – helps with reference
2. Reasons for waterbody failure/unfavourable condition
3. HLS agreements and type (identify those with resource protection elements)\*
4. England Woodland Grant Scheme
5. Drinking Water Protection Zones/Safeguard zones
6. Groundwater source protection zones
7. Soil type
8. Land use
9. Crop rotation (if known)
10. Areas of growth and development
11. Flood risk/incidents
12. Surface water/agricultural flooding
13. NCC flood risk catchment boundaries
14. LIDAR data (where available)
15. Roads, rail, housing

16. Sewerage treatment and public water supply abstraction points.
17. Moorings, fishing platforms, heritage assets
18. Recreational hotspots
19. TraC waters (connectivity, bathing water, fisheries)
20. EA habitat walkover data
21. Invasive species
22. Speech bubbles for further written information

\* may be data protection issues around displaying content of ES agreements although should be able to show location.

## **Session 1 – Activity, priorities and risk**

### **Map comments and suggested improvements**

- Linkages and connection important – mapping helps explain this to people.
- Mapping needs to draw attention to clear strategic priorities and some direction towards the actions needed to address them. We need to know where to focus our efforts but map not clear on a single problem area. Separate mapping would be useful.
- Recreational infrastructure required - can't understand interaction and opportunities without it.
- Need flooding data and link this with areas of high diffuse pollution risk.
- Ability to share (web based) and zoom in and drill down –potential to put in post code and says what issues, current activity, legislation and grants are available– aimed at farmers and parishes.
- Need to check that some of the base data is accurate and cross referenced.
- Useful to explain key issues and the information is important for spatial planning and landscape scale projects but danger of too much information being confusing.
- Distinction between status and risk and more explanatory text required.
- Universal access to map for all - must be interactive and updateable. Need dates for data and have an updating process. Should be layered for different audiences.

### **What can be concluded about the location of current activity?**

Most of the written-up responses were in relation to diffuse pollution from agriculture or water capture:

- Not enough focus at top of catchments. More farmer engagement and improved land management measures and run-off capture/slowing required in upper areas of all sub-catchments (Bure, Yare, Wensum, Waveney and tributaries).
- Much of upper Yare tributary catchments (including Tas and Tiffey) are outside HLS and CSF grant target areas despite having some relatively high risk areas and receive little attention from Rivers Trusts or community groups.
- CSF N2K priority potentially leaves other areas exposed. Farmers upstream of N2K sites have significant influence on N2K sites. Need to base grant target areas for CSF and NELMS with high erosion risk areas.
- River restoration mainly focussed on Wensum – similar strategy and project required on upper: Bure, Yare and Waveney and tributaries. Flood risk reduction projects required in upper (non-tidal) catchment.
- More farmer and community engagement *per se* required throughout catchment especially in upper areas.

## Session 2 - Effectiveness of current activity

- Anglian Water will compulsorily install water meters but the customer can opt whether to pay on them or not.
- Removal of the non-native species floating pennywort has been successful on the River Waveney
- Although the distribution of killer shrimp has spread, it is very likely to have been worse without the Check Clean Dry awareness raising campaign
- Upper Yare still a big problem for phosphate – upstream of any settlements
- Broads Integrated Access Strategy has undertaken gap analysis and is improving access between water and land and people and places
- Particularly large high diffuse pollution risk areas with hydrological connectivity to watercourse (red on map) would make potential suitable locations for rural SUDs: much of upper catchment is contract farmed – incentives/advice and support need to reflect the land owner is not actively managing this land.
- Should focus on activities with track record of success in times of reduced funding
- Importance of in-field management e.g. tramlining. Under drainage is more efficient. Advice needs to be targeted at micro-level
- Agricultural education needs to cover management of water quality/catchment priorities
- Maintain appropriate R&D and then extension
- Existing advice to farmers largely around the control of diffuse pollution or improving terrestrial wildlife – more advice regarding river, ditch and dyke maintenance and improvement would be useful working closely with IDBs and wildlife trusts
- Low cost, low technology river restoration bioengineering measures well developed but implemented in too few locations
- Importance of maintaining or adding woody debris in upper river reaches for valuable fish habitat/cover as has been apparent as part of a National Trust river restoration project on the Bure at Blickling.

### Session 3 – Collaboration and action

Many participants signed-up to general support

#### 1. Information gathering and data sharing

Comments		
<ul style="list-style-type: none"> <li>• Sharing information best practice guidance and a 'Who's who?' required</li> <li>• Mapping key to spatial planning but takes time.</li> <li>• Collate and use in appropriate training.</li> <li>• QA procedure required if want to base actions on data - UEA</li> <li>• Feed information into data.gov.uk + other existing tools e.g NCC 'Inspire'.</li> <li>• Collate what information is available and what is not and why.</li> <li>• Communications plan – how to disseminate and who to?</li> <li>• Google maps – see Wensum DTC for example.</li> <li>• Need to develop shared opportunity mappin</li> <li>• Vitally important to keep catchment officer in post.</li> </ul>		
Action to		
Who	What	Deadline
Neil Punched	Collate a 'Who's who?'/Who's doing what where? regarding individuals and organisations to improve sharing of information.	March 2014
Neil Punched	Collate what information is available and what is not and why.	January 2014
Neil Punched	Manage contract with the Rivers Trust to produce ecosystem service mapping that can be shared with all partners and used in engagement, training or education.	March 2014
Neil Punched Vicky Short	Produce a series of <i>individual</i> maps within the catchment plan and links to viewers where this information cannot be shared.	March 2014
Sam Neal	Provide remote sensing habitat data and invasive species location.	January 2014
Barry Bendall	Provide information on CaBA website and forum	January 2014
Chris Bielby	Provide Bure and Wensum sediment fingerprinting reports.	January 2014
Tansy Cooper	Arrange provision of Drinking Water Protected Area location data.	January 2014

#### 2. Topics and champions

Comments		
<ul style="list-style-type: none"> <li>• AW, BA, RSPB, NT, NWT already do campaigns, education visits, events</li> <li>• Create brand of partnership to kick start. Effective slogan or strapline.</li> <li>• Deliver key messages supported by organisations</li> <li>• Themed information to schools, parish councils, farmers</li> <li>• Parish Council pledge e.g. path maintenance, publish key messages.</li> <li>• Development of packs and using other opportunities for outreach.</li> <li>• Education/awareness via Champion from the partnership.</li> <li>• NWT community engagement programme in Bure valley: 'Delivering Living Landscapes'. Similar could be rolled out across catchment. Brand can promote a number of issues. Organisations flexible and can therefore attend relevant areas so should not be resource intensive for one group of people. Links to county recorders and wildlife experts for species information and trails volunteers, path cutting/parish groups and volunteers.</li> </ul>		
Action to		
Who	What	Deadline
Neil Punched	Invite NWT on to Steering Group and establish links with 'Bringing Landscapes to Life'. Rebecca Banks/John Hiskett as first contact.	March 2014
Steering Group	Continue to promote key messages of partnership	Ongoing

### 3. Targeting Broadland catchment specific design of NELMS

Comments		
<ul style="list-style-type: none"> <li>• Agri-environment funding/design/target location task group to feed into Defra/NE</li> <li>• Emphasise capital grants that are Broads specific e.g. reed cutting, anti-poaching fencing</li> <li>• River restoration at farm level and precision farming equipment</li> <li>• 5 year annual payment options targeted to outcomes not prescriptions e.g. functioning floodplains, resource protection in headwaters i.e. more WFD than Habitats Directive driven.</li> <li>• Rob Wise, NFU; Robert Camps, NE; Henry Cator, IDB; Victoria Fradley, NE; Nick Deane, Farmer; Henry Walker, Farm Conservation; Maisie Jepson, CLA; Penny Hemphill, SWT; Rob Holland, ESW; Rebecca Banks, NWT; Ian Robinson, RSPB; Andrew Alston, BAWAG; Barry Bendall, RT</li> </ul>		
Action to		
Who	What	Deadline
Rob Wise	Arrange meeting date in February, NFU to lead	December 2014

### 4. Making rural SUDS work

Comments		
<ul style="list-style-type: none"> <li>• Funding for rural SUDS - CSF capital grant scheme.</li> <li>• Potential to link with highways and flood risk.</li> <li>• Pilot- sub-catchment and farm scale.</li> <li>• Mapping opportunities – NE? – link with surface water flood risk</li> <li>• Guidance Environment Agency manual, RSPB manual, demonstration sites</li> <li>• Surveying engineering design – IDB expertise?</li> </ul>		
Action to		
Who	What	Deadline
Neil Punched	Map opportunities – where best located for reduced surface water flood and diffuse pollution risk	April 2014
Maisie Jepson, Rob Wise	Put out request for farmer/landowner to provide land for trial/pilot schemes	March 2014
Victoria Fradley	Circulate CSF N2K grant information and target areas and arrange meeting to discuss priority/trial locations	April 2014

Support	Knowledge/expertise
Graeme Taylor, NCC (SUDS engineer)	Installation, links with Highways
Lisa Turner, EA, Environment Officer	Assessment and monitoring
David Thomas, IDB	Drainage and engineering
Nick Deane, Farmer	Local knowledge and land management
Rob Wise, NFU	Environment adviser and farm contacts
Robert Camps, NE/CSF	Farmer liaison, mitigation knowledge
Henry Cator – IDB and farmer	Possible land and or facilitate IDB plant
Rebecca Banks – NWT	Wildlife mitigation and habitat advice
Chris Bielby, NE	Support and funding
Barry Bendall, RT	Publicity via Rivers Trusts/funding
Bridget Marr, EA	Provision of manual, consent process



### 5. Functional floodplains - slow it up, clean it up!

Comments		
<ul style="list-style-type: none"> <li>• Functional floodplains, retention and addition of woody debris and habitat features in smaller tributaries and drains – improved habitat, silt/sediment traps and improved flood relief.</li> <li>• Potential National Trust trial demonstration site around Blickling – around 3km stretch.</li> <li>• WWF may be a funding source.</li> <li>• Note: this is a very specific restoration measure, others are also ongoing or in the planning stage would be helpful to map these – (EA have these data)</li> </ul>		
Action to		
Who	What	Deadline
Victoria Fradley	Arrange meeting in April 2014	April 2014
Sarah Cunningham	Landowners: Bambridge, Skinner, Foul to be approached. Dave Brady and to provide support	March 2014

### 6. Citizen/consumer awareness

Comments		
<ul style="list-style-type: none"> <li>• Raise citizen consumer awareness – behavioural change education – e.g. water efficiency - a water version of Gift Aid</li> <li>• Environmental/Broadland Water Bond could be used to fund</li> <li>• How does it work? Pay in at wage level. Money used to promote water education Why? Incentive? To be a good citizen/to make a difference</li> <li>• Ownership of the area in which they live or holiday.</li> <li>• Installation of Smart meters. Advice from global action plan.</li> <li>• e.g. Love the Broads – visitor giving scheme.</li> <li>• Parish competition for which parishes can save the most water (water company sponsored?).</li> </ul>		
Action to		
Who	What	Deadline
Neil Punched	Circulate information about Love the Broads in newsletter	April 2014
Neil Punched	Provide summaries of and sign-post to water companies water efficiency programmes in catchment plan	March 2014

## 7. Local issues and actions

Comments		
<ul style="list-style-type: none"> <li>• Bottom up – empower ownership. Using positive small steps and projects to demonstrate value. Identify problems on map in the right language for audience. Must make sure projects are targeted.</li> <li>• NWT Bure Community engagement projects commencing (Gemma Walker). Norfolk Water Management Partnership may have a role to play although this group does not have a community representative.</li> <li>• Needs to be focussed on BIG issues and BIG messages (WFD –love your river etc.) whilst getting easy wins and no regrets local action. e.g RSPB Witton Run</li> <li>• CLA and NFU newsletters, parish council newsletters. Local issues could do with more recognition – role of facilitators. Duty to co-operate in local development plans - Norfolk Strategic Planning Officer Group. Further invasive species awareness raising required. Developing a shared funding plan and getting advice from a funding and projects officer.</li> </ul>		
Action to		
Who	What	Deadline
Mike Sutton-Croft	Arrange NNNSI/BCP local workshop on invasive species in Wensum and Bure/Yare.	April 2014
Neil Punched	Circulate maps from Broadland plan to help identify projects with different audiences.	April 2014

## 8. Creative and co-ordinated funding for action.

Comments		
<ul style="list-style-type: none"> <li>• Long term forward planning (10+ years)</li> <li>• Payment for Ecosystem Service</li> <li>• Tourism - Looking to be able to support delivery of improvements.</li> <li>• Collaboration needs to begin early in the application process</li> <li>• <i>SANDPIT' where all interested parties are brought together to write bid/application together</i></li> </ul>		
Action to		
Who	What	Deadline
Steering Group	Develop, populate and share funding opportunity timetable short term (1-2 years) and long term (10+ years)	May 2014

## Participants feedback

Participants were also given the opportunity to fill in comments slips (providing another mechanism to capture ideas and observations in addition to group work) and asked to complete a feedback form so they could provide personal opinions of the event - this will assist the Steering Group in preparation of the draft catchment plan by March 2014.

## What have we learnt and where next?

The majority of participants found the event very valuable. Most felt that they were well informed to participate, able to discuss views openly, and that their views were acknowledged and will make a difference to future decisions.

## Comments slips and Steering Group response

1. *In order to determine how to collaborate I'd like to know examples of projects to take forward. I can help communicate with landowners but I want to go to them with things to get involved in.*

Maisie Jepson, CLA

We are collating suggestions for projects from all stakeholders and welcome any suggestions you have. We are also developing an action list based on outcomes from workshops and engagement over the previous 15 months. Victoria Fradley would be keen to hear from any farmer willing to pilot a rural SUDS or water capture project, or for riparian farmers, river floodplain reconnection. The application window for the new CSF Capital Grant Scheme is February-March 2014 with new target areas around the Broads and Wensum. Applicants within the current target area are not eligible but the new target areas and catchment officer details are on the Natural England website: <http://www.naturalengland.org.uk/ourwork/farming/csf/default.aspx> CSF are always looking for local catchment steering groups members to help direct/target advice and support from the project within their local catchments. Other projects include invasive species awareness raising and communications in association with NNNSI.

2. *Concern over abstraction reform – agriculture needs water and abstraction licences are changing. People may lose theirs and more novel sources would be appreciated by the agricultural/farming community* Maisie Jepson, CLA

As a first step it would be useful to identify water storage or retention areas (see 9. below) that can be agreed by all stakeholders as part of an opportunity mapping exercise so that we are ready to begin if funding becomes available in 2015. Again we welcome any suggestions.

3. *Must act now!!! Happy to help with pilots and may be able to offer funding. Must input to NELMS as a matter of urgency.* Anon

A task group led by Rob Wise, NFU to input to NELMS on behalf of the partnership will aim to meet in February 2014

4. *That the partnership has a fantastic opportunity to influence the ecological focus areas to include SUDS. Consultation very soon. More power + influence of whole partnership.* Lisa Turner, EA

There was consensus in the workshop about the potential of rural SUDS to deliver environmental improvements. A task group will be established and we will aim to provide suggestions of areas where we think they would be best located and get the right organisations and farmers around the table to consider how and where low tech and low cost solutions can be implemented. We would like to hear from any farmers who would consider piloting this.

5. *Don't forget food production, Industry and water. Good work.* Anonymous

We support sustainable agriculture and are considering all services that the catchment provides. Food production is one of the ecosystem services that will be mapped in 2014.

6. *High profile/fun/interesting messages/information for public to get buy-in and support.*  
Straplines, non-technical summaries, photographs, schematics and maps are required along with sign-posting to some excellent information and educational material that already exists.
7. *Co-ordinated funding bids by all partners to avoid competition. Coordination role needed otherwise will be very difficult post June 2014* Lottie Carlton, BA  
The Broads Water Quality Partnership has also discussed co-ordination of funding bids. Sources of funding for continuation of officer role being sought.
8. *Great to see so much focussed energy on a single topic – refreshing. Let’s not lose the momentum – keep BCP (steering group) going as a long term aspiration* Ian Robinson, RSPB  
Meetings and workshops require co-ordination – funding being sought for officer.
9. *Identify water storage areas to capture water in times of surplus for use in times of drought*  
Henry Cator, WMA  
Agreed – spatial/opportunity mapping for ‘water regulation’ to reduce peak flows, improve base flows and potentially retain water will be carried out. Closer working with Norfolk Water Management Partnership required.
10. *The catchment has some of the most productive grade 1 land in the world. Agricultural production will be needed as the issue of food security comes to the fore.* Henry Cator, WMA  
We are considering all services that the catchment can provide and we support sustainable agriculture and profitable farming. Many of the required measures can be delivered on marginal land and field margins and corners. ‘Win-wins’ e.g. improved soil condition, fertiliser optimisation, reduced tillage/fuel consumption are a continued strong focus.

## Feedback Form Comments

### What would you have liked more time for?

- Looking at what has already been planned/achieved at a national level/in other regions
- Open forum please
- Getting more direct actions and sign-up to lead on them
- Short description of good work already carried out
- Actions, leads and supports
- More about catchment plan process and mapping
- am and pm sessions were well balanced
- ACTIONS to move forward with. Specific projects and opportunities for co-ordinated projects (rather than good ideas).
- Nothing. Spot on.
- All OK within time frame
- Water resource issues
- Discussing the future and funding. What are the main objectives of the plan?
- Adding to other groups topics

### What would you have liked to spend less time on?

- Talking about ideal projects when we know funding will not allow it.
- The intro - too long and irrelevant
- Listening to the facilitator summaries

**What was the most important thing you got out of taking part in this event?**

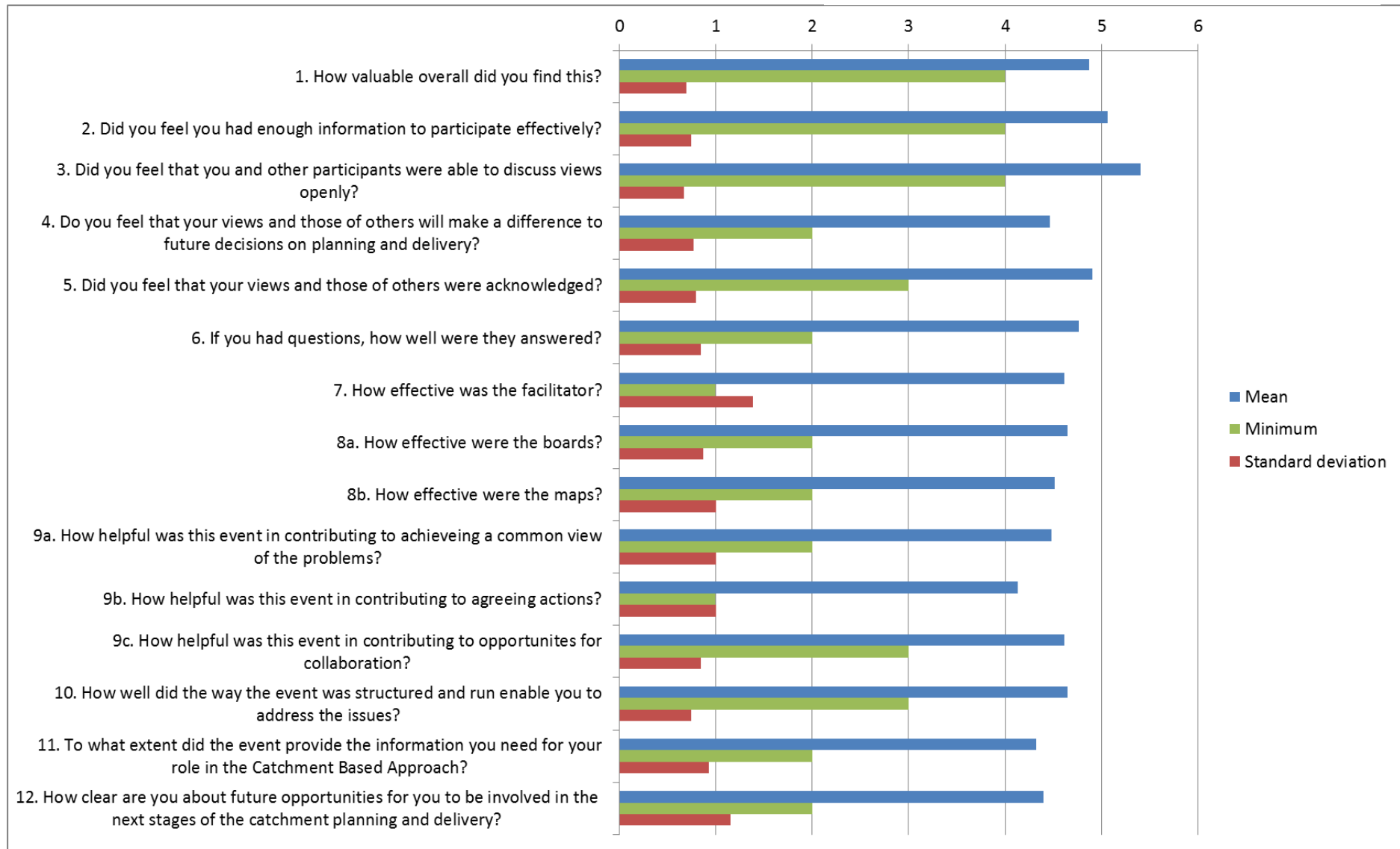
- Finding out about what is going on in an area that forms a section of the larger region that I work within.
- Realisation that there is a lot of disparate and entrenched views
- Learning what roles other people have who may be able to help me
- INFORMATION
- Maps and networking
- Establishing new contacts
- Lots of contacts, great ideas, knowledge and information on similar work being done.
- It is moving forward.
- Commitment across the board for existing and future partners. Crystallised thoughts. Very thorough. Good to see the openness of the discussion. No veiled comments.
- Understanding of potential next steps for the BCP.
- That other agencies are looking at the same things
- Consensus on actions to take forward
- Importance of landowners and finance
- Collaboration amongst partners. Potential for more joint working and sharing of expertise.
- Finding out about other projects going on

**Other comments**

- I don't feel that many actions to take forward have come out of the discussion. People are still talking about what needs to be done – Not how!
- Huge effort, thank you
- Really important to turn ideas into action and see results on the ground
- Good to see such consensus and positive discussions about actions
- More focus on actions required. Examples could have been pre-prepared
- A very open workshop, all views on my table considered and listened to.
- Plenty of goodwill shown between partners. Important to maintain multi-objective approach of the Broadland Catchment Partnership
- The last section felt like duplication to some extent - except for the group that came up with an action.
- Very good turn out and very good day. Please include safeguard zones on maps. Thanks
- Need to embed this into organisation/individual norms to make it work
- A lot of diverse views in the room but overall some good common themes emerged
- I am concerned that the partnership don't have projects ready to get funding
- Good event
- Really good networking
- Enough talking - need to get on with Action - representation to Defra/CAP/Conservation bodies for funding pilots such as Rural SUDs and other innovative projects
- Will it achieve anything? I'm hopeful but sceptical too. Must follow up on actions quickly...

## Feedback Form Results

Very valuable/much/well/effective etc. →



## Participants and organisation

Name		Organisation	Job Title
Kelvin	Allen	Angling Trust and Broads Authority	East of England Chairman
Andrew	Alston	NFU/CLA/BAWAG	Farmer
Peter	Baker	Bure Navigation Conservation Trust	Secretary
Rebecca	Banks	Norfolk Wildlife Trust	
Natalie	Beal	Broads Authority	Planning Policy Officer
Barry	Bendall	Rivers Trust	East of England Director
Phil	Bennett-Lloyd	Norfolk County Council	Climate Change Manager
Linda	Berkshire	Anglian Water	Water Efficiency Manager
Chris	Bielby	Natural England	Broads WFD Specialist
Dave	Brady	National Trust	Head Warden
Sue	Bull	Anglian Water	Planning Liason Manager
Jacquelin	Burgess	Broads Authority	Member
Robert	Camps	Natural England	Catchment Sensitive Farming Adviser, Waveney
Lottie	Carlton	Broads Authority	Administrative Officer
Henry	Cator	Water Management Alliance	Chairman
Maria	Conti	Broads Authority	Strategy and Projects Officer
Tansy	Cooper	Environment Agency	Groundwater Technical Officer
Miranda	Cooper	Essex and Suffolk Water	Conservation Team Leader
Sarah	Cunningham	Natural England	Catchment Sensitive Farming Adviser, Bure
Nicolas	Deane	NFU	Farm Manager
Geoff	Doggett	Waveney River Trust	Chairman
Simon	Eyre	Anglian Water	Source Protection Manager
Victoria	Fradley	Natural England	Catchment Sensitive Farming Co-ordinator
Bernard	Harris	Great Yarmouth Borough Council	Service Development Manager
Penny	Hemphill	Suffolk Wildlife Trust	Ecologist
Kevin	Hiscock	UEA	Professor of Environmental Sciences
John	Hiskett	Norfolk Wildlife Trust	Senior Conservation Officer
Robert	Holland	Essex and Suffolk Water	Catchment Adviser
Maisie	Jepson	Country Land and Business Association	Rural Advisor
Kylie	Jones	Anglian Water	Biodiversity Surveyor
Andrea	Kelly	Broads Authority	Senior Ecologist
Andrea	Long	Broads Authority	Director of Planning
Bridget	Marr	Environment Agency	Catchment Delivery Officer
Samuel	Neal	Norfolk Biodiversity Information Service	GIS Officer
John	Packman	Broads Authority	Chief Executive
James	Patterson	BAWAG	Chairman
Phil	Pearson	RSPB	Senior Conservation Officer
Neil	Punchard	Broads Authority	Broadland Catchment Partnership Officer
Stuart	Rickards	Environment Agency	Sustainable Places Project Manager
William	Robinson	Essex and Suffolk Water	Water Resources Manager
Ian	Robinson	RSPB	Broads Area Manager
Archie	Ruggle-Brise	Essex and Suffolk Rivers Trust	Catchment Officer
Rory	Sanderson	Environment Agency	WFD Delivery Manager
John	Sharpe	RSPB and Broads Authority	Broads Authority Member
Vicky	Short	Broads Authority	GIS Officer
Tim	Strudwick	RSPB	Mid Yare Reserves Site Manager
Michael	Sutton-Croft	Norfolk County Council	Norfolk Non Native Species Initiative Co-
Graeme	Taylor	Norfolk County Council	SUDS Engineer
Louise	Taylor	Environment Agency	Broads Officer - Analysis & Reporting
David	Thomas	Waveney, Lower Yare and Lothingland ID	Surveyor
Lisa	Turner	Environment Agency	Senior Environment Officer
Henry	Walker	Farm Conservation	Adviser
Russell	Wilson	Broads Authority	Waterways Recreation Officer
Rob	Wise	NFU	Environment Adviser
Peter	Woodward	Quest Associates	Facilitator

**END**