

# Catchment Matters

The newsletter from the Parrett Catchment Project

## Sharing information across the partnership

[www.parrettcatchment.info](http://www.parrettcatchment.info)

Sharing information between members is a key benefit of partnership working, but it's something that, in practice, is not so easily achieved. We have therefore decided to use the PCP website as an information source, where members can submit and access useful information, as well as up to date progress on the project, relevant government policy changes and more detailed technical information.

As a result we have revamped the PCP website where you will now find a huge amount of news and information. The website address is [www.parrettcatchment.info](http://www.parrettcatchment.info) and the site itself will be under constant review to keep pace with changes.

At the moment the website contains:

- Updates about projects & progress of PCP's Action Strategy components.
- 'The Information Exchange': information gained through meetings with our Dutch and German Waterboard partners in the JAF project, plus useful information submitted by partners – please submit any information you think would be useful to share to [nharris@somerset.gov.uk](mailto:nharris@somerset.gov.uk)
- Latest press releases, articles and photo galleries.
- Publications - including the PCP leaflet, Catchment Matters, festival posters.
- The PCP's partners with hyperlinks to websites.
- Latest activities & initiatives to raise awareness.

## Welcome

Welcome to Issue 4 of *Catchment Matters* from the Parrett Catchment Project (PCP) - the quarterly bulletin for members, supporters and everyone who wants to hear about the work underway in the Parrett catchment to reduce flood risk and bring water levels under control.

*Catchment Matters* is a quick, breezy read to find out about the Parrett Catchment Project, what our partners and working groups have been up to, current lobby issues and how to get more involved. Dialogue matters; please do give us feedback and suggestions for future editions.

Also, new this month is the *Catchment Matters: Farming Edition*, which is available to view on our website at [www.parrettcatchment.info](http://www.parrettcatchment.info) or from the PCP office. contact Nickie Harris 01823 355281 or [nharris@somerset.gov.uk](mailto:nharris@somerset.gov.uk) if you would like to be included on the mailing list.

## Sluice boost from new partnership

*A partnership of organisations dedicated to developing and championing the proposal to build a tidal sluice on the River Parrett near Bridgwater to reduce the risk of flooding and pave the way for economic regeneration, held its first meeting in Bridgwater this May.*

Organised by the Parrett Catchment Project and hosted by Councillor John Lang, Leader of Sedgemoor District Council, the meeting appointed distinguished former diplomat, Francis Cornish, who lives at Thurloxton, as Chairman of the Parrett Sluice Partnership.

Mr. Cornish said afterwards: "As someone coming to this project fresh and from the outside, I found the degree of consensus and enthusiasm tremendously encouraging. There is a lot of hard work to be done in debating the options and ensuring that the proposal which is eventually put to the Environment Agency and DEFRA for funding is of the widest possible benefit and is sustainable in every sense, but I am convinced that this is a project whose time has come."

"The potential benefits for Bridgwater and the surrounding areas in terms of both flood risk reduction and economic regeneration are huge, and I am really excited at the prospect of helping to take the project forward."

Cllr John Lang, Leader of Sedgemoor District Council added, "The potential benefits of the sluice are enormous, not only to Bridgwater but the rest of Sedgemoor too. Getting all these organisations working together is very important so that we can put a good case together to the Regional Flood Defence Committee.

The proposal would involve the building of a tidal gate across the River Parrett, probably near Dunball, to prevent high tides pushing up river in times of flood, and also with the potential to hold water in the Parrett upstream of the sluice, so as

to enhance the amenity and the appearance of the river through Bridgwater and for several miles upstream. A sluice could also be used to generate "green energy" by harnessing the power of the tides.

The much greater degree of control over water levels which the sluice would provide could also be used to enhance the many internationally important wildlife sites in the Parrett catchment, and reduce the risk to them of damaging salt water flooding.

Mr. Symonds, EA Flood Defence Manager, told the meeting that the sluice would help safeguard the 11,000 properties which are at risk in Bridgwater and the surrounding villages from a one in 200 year tidal flood. It is estimated that it would cost between £20 and £40 million, but that compares favourably with the estimated cost of the main alternative option for flood defence, which would be to raise the flood banks on either side of the river. The cost of this is gauged to be at least £75 million over the lifetime of the sluice.

However, the Parrett Sluice Partnership is conscious that, whilst the proposal appears to have a huge amount going for it, there are many interests, including Dunball wharf, passage for boats, the discharge from the King's Sedgemoor Drain, siltation, and the environmental sustainability of the project, which must be taken full account of as the plans are developed.

The Parrett Sluice Partnership is due to meet again in July, when initial results from the economic impact assessment which has been commissioned by Somerset County Council are due to be published.

The Environment Agency's Regional Flood Defence Committee will decide in April 2005 whether to include the sluice in its capital programme.

## FLOBAR

*"The PCP is a good example of a multi-purpose catchment orientated project."*

### PCP Cited

Ben Thorne, from the Farming and Wildlife Advisory Group continues to speak on the national conference circuit and promote the PCP. On 13<sup>th</sup> July 2004 he will speak at the CIWEM conference in London: The Water Framework Directive Series: Integrated Catchment Management: Lessons in River Basin Management. For a copy of his presentation please contact the PCP office on 01823 355281.

*The Flooded Forest: Guidance for policy makers and river managers in Europe of the restoration of floodplain forests (FLOBAR).* 'Think catchment, think long-term, think cooperation' is the message from the latest document from

FLOBAR (FLOodplain Biodiversity And Restoration) and the PCP is cited as 'a good example of a multi-purpose, catchment-orientated project'. A well illustrated report with photographs and figures, it explains how floodplain forests work, what the principle threats are to these ecosystems, ways of restoring them and the policy and institutional contexts within which their restoration might take place. To download a copy visit the website: [www-flobar.geog.cam.ac.uk/reports/final/](http://www-flobar.geog.cam.ac.uk/reports/final/) or email Dr. Francine Hughes at [fhughes@apu.ac.uk](mailto:fhughes@apu.ac.uk) or Professor Keith Richards at [ksr10@cam.ac.uk](mailto:ksr10@cam.ac.uk)

### Messing about on the River



A fly tying demonstration from the Salmon and Trout Association.

*"It was wonderful to see the river being used by craft of all shapes and sizes and to see the ensuing level of enjoyment generated as the riverbanks bustled with people."*



Activities for children and parents too. 'Create-a-creature' with the RSPB.

French Weir Park in Taunton was the destination for many people on Sunday 23 May where a feast of activities was on offer at the PCP's River Festival. Over 4,500 people joined in the celebrations in glorious May sunshine on the bank of the River Tone. This second festival of three continued the success of the River Parrett Festival in Langport last year.

Chris Packham, the successful filmmaker and wildlife presenter, Humphrey Temperley, PCP Stakeholder Chairman, and The Mayor of Taunton officially opened the event. Chris Packham praised the PCP for its long-term vision, which he believes vital in view of the impact climate change could have on floodplain communities and wildlife. He joined the celebrations throughout the day and fascinated everyone with his cabinet of curiosities collected from his travels around the world.

The river was transformed by a colourful flotilla of craft and there was opportunity for people to zip about in a solar powered canoe or enjoy a more sedate cruise in a traditional narrow boat. It was wonderful to see the river being used by craft of all shapes and sizes and to see the ensuing level of enjoyment generated as the riverbanks bustled with people. The exhibition marquees and yurts also buzzed with activity. The displays of minibeasts, birds and fish fascinated children and adults alike. Families donned their thinking caps to take part in quizzes and competitions. Many enjoyed watching the model boats, listening to storytelling, and

taking part in the comic and historical walks along the river.

Local artists enjoyed a day in the sunshine demonstrating their crafts such as rush seat bottoming, willow charcoal drawing, basket making, stone carving and willow weaving. If that wasn't enough one could lie back in the sunshine and listen to the music on the stage performed by Five Furious Fish and The Rivertones.

Our thanks go to Caroline Dunn for her hard work in ensuring the event was a success. Some of us are still reeling from the aftermath of the Festival, but already Caroline is preparing for the 2005 event. This will be held at Bridgwater Docks and adjacent Brewery Field on Sunday 22<sup>nd</sup> May 2005. If you would like to contribute or play a part in the Festival, ☎ Caroline on 01823 356156 or email [cldunn@somerset.gov.uk](mailto:cldunn@somerset.gov.uk).



The banks of the River Tone bustled with activity and excitement.

## Farming Water Schemes update

It has been nearly five months since the last bulletin and progress has continued a pace. For a taster here are a few details about just two of our projects: -

### Flood retention demonstration schemes

We are on schedule with our Farming Water floodwater retention schemes and can report that the heavy plant will be rolling on to six farms in the catchment to start ground works this August. The sites are:

- Bower Hinton, nr. Martock
- Creedy Bridge, South Petherton
- Vokers Bridge, near Wellington
- Parsonage Farm, near Ashill
- Balham Hill Farm, Chiselborough
- Moortown Farm, Curry Rivel

Each scheme is unique; designed to account for the site characteristics (e.g. topography, hydrology, biology) and have been subject to agreement from the landowner and the legal procedures (licencing, approvals and consents).

The scheme at Bower Hinton Farm, Martock, is likely to be the highest cost scheme out of the six at c. £37,000. The multi-purpose flood attenuation pond, 0.4 hectares in size, will incorporate irrigation and wildlife benefits. The pond, not linked directly to a stream, is fed by runoff from the uphill fields and woodland. This will be diverted into the pond inlet via a soil trap. The pond outlet feeds water into the River Parrett. This outlet will stay open most

of the year but upon receiving a flood warning from the Environment Agency the farmer will close the outlet, which remains closed until the flood peak in the River Parrett passes. The pond will be excavated well below the normal water table level to ensure permanent water, where reed beds will provide valuable wetland habitat.

By contrast the scheme at Balham Hill Farm, Chiselborough is low-cost at c. £5,000. This is a retention scheme, aimed at impeding floodwater flows rather than storing them. A 250m length of existing boundary hedge bank has been badly eroded over the years as it lies across the path of floodwaters from the River Parrett. These hedge banks will be strengthened, gapped-up and fenced off.

All schemes will be operational by the end of this year. Information about the other schemes is available on the PCP website.

### Soil run-off demonstration project

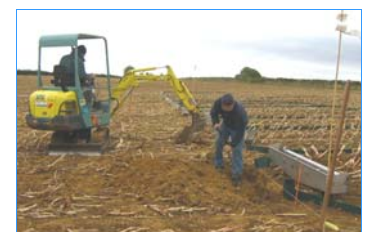
The soil-runoff monitoring has yielded some staggering results, strengthening the case against specific farm practices at certain times of the year. These results are being made accessible to the farming community with the aim that farmers will turn them to positive action, with advice and guidance provided by FWAG. You can read more about this in first edition of *Catchment Matters: Farming Edition*.



Location plan of storage scheme at Bower Hinton Farm, nr Martock.



Raising awareness through farmer workshops—led by FWAG



Installing the lysimeter plots to monitor soil runoff at Dillington Estate



FWAG encouraging farmers to include buffer strips along watercourses

## “The Big Sponge” Project

*Have you ever poured water onto a damp sponge? The sponge will hold a lot of water before it slowly starts to leak. This analogy is commonly applied to wetlands with their sponge-like ability to absorb rainwater and reduce the potential of damaging floods.*

Through ‘The Big Sponge’ Project we are expanding this concept beyond wetlands and we are thinking large-scale. ‘The Big Sponge’ will fire public imagination and inspire people to consider ways they can hold rainwater (or potential floodwater) and slow down the flow of rainwater runoff from their homes, gardens, school grounds and developments.

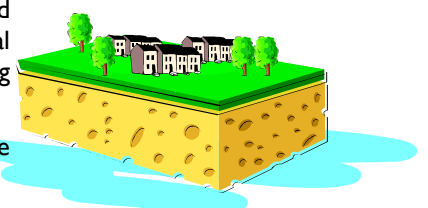
In essence a network of garden ponds, school ponds and boggy areas, water butts, soakaways and reed beds across the catchment would act

as a giant sponge capable of holding millions of gallons of potential floodwater. Not only would ‘The Big Sponge’ help to reduce local flooding, but would also protect against drought during extended dry spells by holding moisture and slowly releasing it back into the surrounding ecosystem.

‘The Big Sponge’ Project is an amalgamation of all PCP’s watery awareness-raising initiatives: the Somerset Water Butt scheme, which is being expanded to schools this July; the School pond & bog initiative, to be launched next year; and a campaign to encourage local developers to incorporate rainwater holding ponds and soakaways in their developments.

If you would like to get involved in the scheme or would like information tel 01823 355281.

*“The Big Sponge will fire public imagination and inspire people to consider how they could help reduce local flood risk, because everyone can do their bit here.”*







The Parrett catchment, in Somerset, covers an area of great beauty, diversity and historic interest, ranging from the breezy heights of the Brendon Hills to the lush pastures of the Somerset Levels. It covers half of Somerset and incorporates five rivers: Parrett, Tone, Cary, Isle and Yeo.

The catchment has a long history of flooding, and of serious contention over flooding and water management issues. The summer floods of 1997 and the 1999/2000 winter floods demonstrated that the river and drainage system was under severe stress and that the historic system was unlikely to cope with future major events.

It was agreed that the catchment must be managed as an integrated unit to solve water management issues in Somerset. This could only be achieved through working in partnership. Thus the Parrett Catchment Project was born.

The Project was designed by local people to tackle the problem of prolonged local flooding. PCP now constitutes an active partnership of 25 organisations working to implement PCP's Action Strategy in the UK. PCP has also partnered up with four European waterboards in The Netherlands and Germany under the project 'The Joint Approach for Managing Flooding'.

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## PCP Annual General Meeting

6th September 2004

9:30-12:30

Creech St. Michael Village Hall.

Winner of the "Living with Flooding" competition, Melanie Hosken (Age 10) won £250 for her school, Bishop Henderson CE Primary School, with her super drawing entitled "Be prepared".

Television wildlife presenter Chris Packham picked Melanie's drawing out from over 30 drawings and paintings on display at the River Festival. Over 60 drawings were submitted from three Somerset schools: Bishop Henderson CE Primary School, Huish Episcopo Primary School and Lydeard St. Lawrence Primary School. Melanie's drawing, plus paintings and drawings from all the runners-up are available to view on the PCP website.



Hal Sefton (Age 10)



Aidan Johnson (Age 9)



**Lucy Ramwell (Age 11)**



Tom Myrray (Age 11)



**Curtis Scadden (Ade 11)**

The 10 finalists who each won an art pack were: Melanie Hosken (Age 10), Jessie Warren (10), Daisy Newberry (10), Josh Hancock (9), Rhiann Bowden (10), Cara Sedgewick (9), Rebecca Osmond (9), Lucy Ramwell (11), Tom Ramwell (9), Curtis Scadden (11), Tansy Purdey (9), Hal Sexton (10), Megan Morley (9), Aidan Johnson (9), Tom Murray (11), Jessica Beth Walker (11).