



Cotswold Canals Connected (CCC) Working with Nature

Progress Report: 1st July to 31st December 2023

The information in this document is submitted and discussed as part of the CCC Project's quarterly reporting to the National Lottery Heritage Fund.

Progress towards the project's approved purposes

Green	Delivery is on track
Amber	Minor issues are impacting delivery
Red	Major issues are impacting delivery

People & Nature Activity	Summary of progress	Status
PN01 -	Various training courses arranged in the last 6 months. This includes:	
Environmental Training	Brush cutter and scythe training for volunteer leads to enable them to run volunteer work parties and teach volunteers necessary skills to carry out tasks	
Priority Outcomes Volunteers are	 Riverfly training course arranged for 11 volunteers on 27/09/2023, led by a trainer from the Wildfowl and Wetlands Trust 	
skilled and well- equipped to carry out tasks.	 Various on-site sessions for volunteers such as bird nesting check training and toolbox talks. 	
	Progress against targets	
Greater knowledge and understanding	83/70 people trained to date	
of canal wildlife and	13/20 training courses	
environment.	4/7 accredited courses	
Targets and Outputs	17/20 people new to environmental volunteering	
70 people trained	3/8 environmental guardians	
20 training courses	Photo's	
4 accredited	Figure 1: Riverfly training	
courses		
20 people engaged new to environment work 8 environmental		
guardians		

PN02 – Habitat creation and enhancement projects

Priority Outcomes

Volunteers are skilled and wellequipped to carry out tasks.

Greater knowledge and understanding of canal wildlife and environment.

Vols have increase in happiness, satisfaction, wellbeing and connection to place

Minimal negative environmental impact during the construction phase

Community members feel positive about biodiversity creation and improvements

Targets and Outputs

100 WWN volunteers

30,000 trees/plants planted by vols

20ha or new or restored habitat

4km of new hedgerow

100 bird/bat boxes installed

Minimum 10% increase in biodiversity units

Habitat Creation/Restoration

Scrape Creation (site 7)

We hired the Liebrecht rotary ditcher in September 2023 to create a series of connected scrapes, shallow pools and ditches which will fill with water during periods of prolonged rainfall. It's the only machine of its kind in the UK. Owned by the RSPB, it has the sole purpose of wetland creation. This large cylinder on wheels is towed by a large tractor and has a rotating barrel inside armed with large "teeth". It's designed to scoop up and churn the topsoil before spraying it over a large area, avoiding the creation of spoil heaps.

The ditcher created nine pools which vary in size and depth and connecting ditches. On the first run the driver removed the soil close to the surface. Several runs were needed to get down to the desired depths – between 40 and 50cms deep. Due to some quite substantial wet weather this winter the scrapes are already holding water and we'll soon see many species of plants and invertebrates arrive. We hope this will become an important feeding ground for waders and wildfowl, many of which migrate to wetland sites across the UK in the winter. Amphibians, bats and countless species of invertebrates will also benefit.

The majority of the costs for hiring the ditcher (£14,280 of £15,320) will be paid for under the sites higher-tier countryside stewardship agreement, under option GS10 Management of wet grassland for wintering wildfowl and waders.

To finish the site, we will lower 2 sections of the existing flood embankment to reconnect the floodplain with the River Frome and allow the scrapes to be filled from the river as well as rainfall. This is planned for summer 2024.



Figure 2: Drone footage of scrapes during construction



Figure 3: Pete Savage (Canal Project Officer) and rotary ditcher on site.



Figure 4: Scrapes starting to hold water as viewed from Occupation bridge Orchard Restoration (site 6a)

The restoration of Pockett's orchard continues unabated with monthly volunteer work parties alongside some additional sessions to focus on constructing a field shelter for use by volunteers, the local school and community whilst on site.





Figure 5: New field shelter under construction at Pockett's orchard

Species Rich Grassland (site 6b)

We are currently in a higher-tier stewardship agreement for land on the north canal restoring it to species-rich grassland, To do this we are managing (reducing) gazing pressure by working with the local tenant farmer under a grazing license, as well as updating and replacing infrastructure such as fences and gates so that we can control cattle movement across the site.

Site 3

No progress over last 6 months as the priority has been delivering the scrapes and getting the water vole licence application in place.

Due to delays in the delivery of the Missing Mile, and because the two areas are likely to include similar working areas, it will not be possible to complete the habitat creation works in this area by the end of 2024. Instead, the aim is to have completed detailed design and have planning permission and all the necessary consents in place by the end of the year.

Progress against targets

- 91/100 WWN volunteers
- 10/20ha or habitat restored or enhanced
- Net gain calculations not yet complete

Landscape Connectivity and Enhancement Projects

Hedgerow Planting

We have now planted over 1km of new hedgerow as part of the CCC project with more planned for the coming year. We have also put on some recent hedge laying training for existing CCT/SDC volunteers to ensure they have the skills to manage both new and existing hedgerows in the future.

There have been some delays with agreeing locations for additional planting for this winter season. At one location where discussions had progressed well the landowner is now trying to apply for BNG which might mean that we are unable to deliver the 1.5km of hedge planting we had anticipated. We are pursuing other areas.

As the environment team will only be working on the project until the end of 2024 it is unlikely all the hedge planting will be completed - there is some 880m of new hedge planned within the Missing Mile and a 25m section of hedging at Walk bridge, neither of which can be planted until after the associated engineering/construction work has been completed. This also means we are unlikely to hit our targets for planting 30,000 trees/plants shrubs as most of these are within the hedged areas. All outstanding works will need to be handed over to a responsible person within CCC at the end of 2024 and this will be documented in the GWT/CCC transition/handover pack.



Figure 6: Hedge Laying near Ham Mill Lock (phase 1A)

Built Habitat

Built habitat work has been a slow burner in the last 6 months as we have been focusing on getting the main habitat creation areas completed. We have, however installed 5 bird boxes in 3 locations we have planted new hedges (Pockett's orchard, Newtown Lock and at the Boatmobility compound. We also have agreements in place to install both bat and bird boxes within a pocket of woodland alongside the canal.

The biggest installation to date has been a barn owl box which was installed on land near Stanley Downton (to the southeast of the Ocean Railway Bridge).





Figure 7: Barn Owl box installation near Stanley Downton

The box was constructed by one of our volunteers, a real bird expert (he used to work for the British Trust for Ornithology) - this meant we only ended up paying for the material. In addition, as the box was so large, we arranged for an experienced

tree climber to install the box for us. Manuel ended up not charging us for this work (around half a day on the weekend) as he was so supportive of what the project is trying to achieve for wildlife.

As with the hedgerow work, the plan is to leave a detailed plan at the end of 2024 of where any uninstalled built habitat can be located.

Progress against targets

- 91/100 WWN volunteers
- 4,218/30,000 trees/shrubs/plants planted
- 1.08/4km of new hedgerow planted and managed
- 6/100 bird/bat boxes installed

Approved purpose

Summary of progress

Status

PN03 – Wildlife Monitoring

Priority Outcomes

Greater knowledge and understanding of canal wildlife and the environment.

More engagement with nature leading to improved health and wellbeing

Targets and Outputs

4000 volunteer hours

Volunteers identify increased number and frequency of species using new habitat areas

More multifunctional natural spaces and blue green infrastructure

More connectivity of wildlife habitats in Severn Vale

Baseline Surveys - SWSG

Stroud Wildlife Survey Group (SWSG) have been conducting ground and riparian (the area between a land and water) surveys across the CCC project area, laying the groundwork and creating a baseline which allows us to assess how healthy it currently is and record improvements over the next few years and beyond.

SWSG was set up in 2016 by a number of volunteers within GWT for the purpose of monitoring and surveying wildlife in the Stroud area. It consists of around 70 volunteers with a diverse set of ecological survey skills. A significant proportion of the groups surveying was directed by GWT pre-Covid. Most of the work stopped like everything else during lockdowns. Since then, the group has slowly re-convened and there is a desire to get the organisation into a shape where it can operate independently, providing survey services organisations in the area.

To help support the group in its aims to become an independent survey team for the Stroud area, CCC have provided some funding to cover some of the administration costs incurred setting up as an independent organisation and by providing survey and monitoring training for volunteers in a wider range of skills.

In addition to the surveys by SWSG, GWT staff and trainees have also been on site carrying out a baseline Nature Reserve Condition monitoring which will be repeated every 3 years and will allow us to track change and adapt management in the future.

Species Rich Grassland (site 6b)

We are currently in a higher-tier stewardship agreement for land on the north canal restoring it to species-rich grassland, To do this we are managing (reducing) gazing pressure by working with the local tenant farmer under a grazing license, as well as updating and replacing infrastructure such as fences and gates so that we can control cattle movement across the site.

The fields have also been subject to a full botanical survey which identified over 46 species including the rare (and rather beautifully named) Corky-fruited Water-Dropwort which is found in damp meadows and moist grassy places and often beside ponds or ditches (or on this case canals).

Ongoing Wildlife Monitoring

Since 2019 we have had a number of camera traps out along the canal – the exact location of these varies with the season. These images get sifted through by a GWT volunteer and then uploaded to MammalWeb for classification by volunteers online. This data then supports wider research on the current state of UK mammals. Since our project page went live over 129 different individuals have taken the time to classify the wildlife captured by the trial cams.

https://www.mammalweb.org/en/?view=projecthome&option=com_biodiv&project

id=131

Following the completion of a Riverfly monitoring course earlier this year we are currently undertaking regular surveys at 2 sites locations along the river (the canal itself is too deep to allow monitoring to be carried out safely). This will increase to 5 or 6 sites after March once river levels recede.

Progress against targets

- 2367/4000 volunteer hours
- Baseline surveys completed across project area

Approved purpose	Summary of progress	Status
PN04 Citizen Science	A number of citizen science projects have been ongoing across the Delivery Phase	
Priority Outcomes	Mammal web – see above, 129 individuals to date.	
Greater knowledge	SWSG surveys – see above, 12 individuals involved to date.	
and understanding of canal wildlife and	Riverfly Monitoring	
environment.	As briefly mentioned above, following, the completion of a Riverfly monitoring	
More engagement with nature leading to improved health and wellbeing	course by 11 individuals earlier this year we are currently undertaking regular surveys at 2 sites locations along the river (the canal itself is too deep to allow monitoring to be carried out safely). This will increase to 5 or 6 sites after March once river levels recede.	
Targets and Outputs 75 people participate in analysis and classification	Riverfly monitoring involves volunteers taking 3-minute samples from the riverbed each month and recording the presence and abundance of eight pollution-sensitive invertebrate groups. The focus of the sampling is on 'riverflies' – mayflies, stoneflies and caddisflies. If invertebrate numbers drop below a 'Trigger level' (expected population abundances), the Environment Agency is notified so that the problem can be identified, and action taken. This scheme allows groups and individuals to	
Increased biodiversity within	monitor and help to protect their local rivers and helps ensure rivers are monitored more widely and at greater frequency than is possible by the Environment Agency	
15 years	alone.	
	Progress against targets	
	152/75 citizen science volunteers!	
	 Baseline surveys completed across project area 	

Approved purpose	Summary of progress	Status
PN05 – Health &	Built structures – bird hides and benches	
Wellbeing	Various built structures were planned as part of the delivery of the project but much	
Priority Outcomes	of the work on these has been delayed due to general project programming and to	
Greater knowledge	allow focus on other priority areas.	
and understanding of canal wildlife and environment.	Bird hides – we have so far created one small bird hide within Pockett's orchard. This was created by a corporate volunteer group back in 2022 and is regularly used by a number of individuals from Whitminster village. A much bigger, roofed bird	
Participants feel more engaged with	hide will be constructed adjacent to the towpath overlooking the new scrape areas over the next year (likely summer 2024).	
nature, are happier, have increased satisfaction and/or connection to place	Benches – a number of locations are proposed for the siting of benches to encourage people to go outdoors and enjoy the canal. However, the locations need to not only be guided by aesthetics but also take into account the needs of the towpath users and take into consideration the proximity to interpretation. Given the	
Targets and Outputs	overall delays with completion of the towpath and engineering works it is highly	

More multifunctional natural spaces and blue green infrastructure

Building with Nature accreditation

6 benches installed

2 bird hides installed

People make use of benches and bird hides unlikely that there will be time to both agree and install benches before the end of 2024. As such it is proposed that any aspects of this work not completed are handed over to the engagement team at the end of 2024. We will, however, be able to install at least one bench within Pockett's orchard over the coming months.

Building with Nature Accreditation

It has not been possible to apply for Building with Nature Accreditation at this stage given the ongoing changes to project design. It will become clearer across 2024 whether gaining accreditation will be achievable by the end of the year.

Progress against targets

- 0/6 benches installed
- 1 of 2 bird hides install
- BwN accreditation not yet applied for
- Baseline surveys completed across project area

Approved purpose

Summary of progress

Status

PN06 - Pockett's Orchard

Priority Outcomes

Orchard feels like a positive space

Greater knowledge and understanding of canal wildlife and environment.

People learn new skills, are happier, have increased connection to place and experience improved health and well being

Targets and Outputs

More multifunctional spaces & blue green infrastructure

More connectivity of wildlife habitats

At least 4 orchard events held annually

The orchard restoration continues, with a monthly volunteer work party held on a Saturday to allow attendance from those people who cannot normally help out in the week.

Work parties have picked and pressed apples (although the majority go off to one of the volunteers who makes his own cider), carried out formative and restorative pruning, scrub removal and lots of thistle pulling!





Figure 8: Pockett's Orchard volunteers carrying out various restoration tasks

Alongside the volunteer work we have also used the orchard for various events from foraging evenings to Bioblitz days for families. The local school in Whitminster also regularly use the orchard as an outdoor learning area and to hold their annual harvest festival day celebration.

Progress against targets

 Regular orchard work parties and events held across the year including monthly work parties

PN07 – Engage with Nature Priority Outcomes Young people: have greater knowledge and A number of the outcomes for this activity will now be delivered by (and subsequently reported on) by the engagement team, under Tony Chalk. We have continued our relationship with the local primary school in Whitminster who have already undertaken a number of projects with us – from painting signs for the orchard trees, to planting the edible hedgerow on the northern boundary of Pockett's orchard.

understanding of the state of the canal wildlife and environment

Increased engagement with nature

Experience health and wellbeing benefits

Targets and Outputs

6 educational projects with schools or colleges

200 children engaged

4 local primary schools have resources and training

2 schools run events independently

In the last 6 months we have also worked with them on an Eels in the Classroom project in partnership with Bristol Avon Rivers Trust and the Sustainable Eel Group. After applying for the necessary permissions from the Environment Agency, Pete Savage (Canal Project Officer) collected around 100 elver (young eel) from a local elver fisherman. These were then taken to the school where we had already set up a tank ready for their arrival. The elvers were looked after by the children for around 6-weeks, during which time they learnt about why eels are endangered and how many species struggle to move around our rivers (and indeed the wider landscape) due to the man-made barriers in their way.

Once they had started to pigment and mature into yellow eel the elver were then transported to the River Frome (close enough for the school children to be able to walk to the release site) and released into the river to carry out their lifecycle.





Figure 9: Whitminster school children welcoming the eels to their new home!

Progress against targets

- 4/6 educational projects completed
- 140/200 children engaged with
- 1/4 primary school has training/resources
- 1 of 2 schools run events independently

2024 Programme

Green	Delivery is on track
Amber	Minor issues are impacting delivery
Red	Major issues are impacting delivery

		2024					
		 Q1		Q2		Q3	Q4
Habitat creation Projects							
	Detailed design						
	FR modelling						
Frome Washland (Site 3) - south of Frome,	Planning application						
Missing Mile	Consenting - IDB, EA, NE						
	Baseline surveys						
	Tree planting						
	Infrastructure work - fencing and water troughs						
	order trees and shrubs						
Species-rich grassland and heirloom orchard (site 6b)	Heirloom Orchard creation						
55)	Baseline Surveys						
	Finalise Management Plan						
	Restoration work - pruning, grafting etc						
	Culvert and access western boundary						
	Order and plant trees						
	Hedge laying and gapping up eastern boundary						
Destrobble Orchand (site Ca)	Baseline Surveys						
Pockett's Orchard (site 6a)	Orchard signs and interpretation						
	Continued orchard training - PN06						
	Bench						
	Install field shelter						
	Finalise Orchard Management Plan						
Coverage and mode (site 7)	FR modelling						
Scrapes and pools (site 7)	Planning application						

	EA and IDB consents								
	Ditch over oil pipeline					$_{\perp}$	T		
	Lower flood embankment								
	Water troughs								
	Bird hide								
	Fencing and gates								
	standard tree planting								
	Finalise Management Plan								
	Finalise Design								
	FR modelling								
	Planning permission								
	EA, IDB and NE consents								
	Excavation of ponds								
Water vole receptor ponds (site 7)	Translocation of remaining vegetation								
	Water vole fencing								
	Arrange release pens, traps etc.								
	Volunteer training translocation and release								
	Water vole translocation								
	Finalise Management Plan								
Wider Landscape Projects									
D. F	Defra metric calculation				П		П	Г	
Biodiversity Net Gain	Environment Bank accreditation								
	CSS agreement- sites 6 and 7						İ		
Long-term site management	SVCC management costs agreement								
	Land acquisition agreement - GWT/SDC/SVCC								
	Delivery plan								
	Landowner's agreements								
Wildflower rich towpath verges or meadows	Order seeds								
	Sow seeds								
41 11 11 11 11	Hedgerow location agreement								
4km Hedgerow Planting	Order trees, guards etc								
		-		 	_			 	

	Hedge planting			Τ	\Box	
	Hedge maintenance					
	Management plan incl laying					
	Ocean Bridge re-planting					
Standard Trees	Black Poplars					
	Standard tree planting					
	Invasive Non-Native species control - HB				\top	
Vegetation Management	Mink control					
	Hazardous tree work					
	Installing bat boxes					
	Installing bird boxes (various)					
Built Habitat	Adapting pillboxes					
	Insect houses					
	Reptile/amphibian hibernacula					
	Environmental awareness training					
	Toolbox talks					
Environmental training for volunteers - PN01	Basic Tree Inspection course 2					
	Expert talks and ID various					
	Expert talks and ID various					
Wildlife monitoring and surveys - PN03	Basic Tree Inspection of Phase 1					
	SWSG baseline surveys					
	SWSG baseline surveys					
Citizen Calenda Puellada PNO	Riverfly monitoring					
Citizen Science Projects - PN04	Eels in the classroom					
	Mammal web					
Health and Wellhains	Building with Nature Accreditation					
Health and Wellbeing	Benches					

Risks and Issues

Risk / Issue	Likelihood	Impact	Mitigation	Priority
Mater Voles Water voles are present at R. Frome around the M5 and in the canal at Whitminster and Dock Lock. Otters and badgers present in all sections. WV displacements required at multiple locations with 3 translocations required at Wharf House, Bonds Mill Embankment and Dock Lock. Delays to project likely to result in even wider distribution of water voles across project area. Previous work undertaken by SDC and CCT volunteers is likely to have come close to breaching legislation causing huge risk to project. Need to consider impact both during restoration and once operational. Standard management of canal will not be			 Protected species surveys completed, and ecological consultants appointed for delivery phase - includes Mike Dean to oversee wv work. Mitigation strategy for water voles written and has been submitted for consideration by Natural England as part of the DAS, no major amendments requested at this stage. This will allow a site wide licence to be approved, increasing seasons when work can be carried out and meaning all works can be consented in one go rather than requiring individual licences. Programme and budget includes habitat creation/restoration for wv on both canal and river which should result in a clear conservation gain for the species overall Update to above - project delays have required separate licence applications for different sections of canal - Section 3 licence application submitted Dec 23. Water Vole action plan written and signed off by SVCC, CCT and CCC Boards. Cascade training outlining responsibilities 	
possible. 2. Flood Risk Increased flood risk to people or property from biodiversity creation projects.			 and consequences to be rolled out. Flood risk modelling has been completed by Katherine Teakle Associates as part of MM planning application - this includes canal, river and biodiversity creation areas (sites 3 and 7). Further modelling planned for water vole receptor ponds, lowering flood embankments. This is being carried out by Linda Hemsley. 	
3. Biodiversity Net Gain Failure to meet restoration targets e.g. areas created, time for habitat to reach condition. Lack of design freeze (eg location and duration of compounds, access etc) mean BNG metrics cannot be assessed			 Habitat Condition Assessment has been carried out (to meet requirements of current metric) Habitats identified for creation are priority habitats which score highly on metrics 	

4 . Lang tamp management :		
4. Long-term management of	GWT Board have agreed to acquire and	
biodiversity creation areas	manage land in principle.	
Failure to meet restoration targets	On-going management sustainable by	
e.g. areas created, time for habitat to reach condition.	project volunteers led by GWT.	
Habitat to reach condition.		
	SVCC have agreed to cover the costs of	
	this for 15 years, which will allow time for habitats to establish and reach	
	appropriate conditions to meet net gain	
	targets.	
	Agreement in principle to be drawn up by	
	parties in summer 2024	
5. Budget	Have carried out budget reforecast to	
Changes from budgeted figures -	take into account additional work required	
large increases in water vole	(e.g. receptor ponds) and increased costs	
population and delays in delivery	due to covid and inflation. This has been	
have increased Env budget	submitted to exec board	
considerably.	Additional funding streams such as	
In addition, budget submitted to	Countryside stewardship (which will pay	
NHLF was as at 2017 rather than	for a lot of the capital items on site) and	
updated version so not correct	updated bid to National Highways	
	apacioa sia to i tational i ngrimayo	
6. Health & Safey		
Health and safety of volunteers	Training to be provided to volunteers and	
working on habitat creation	project staff. Assessed for competence in	
projects and vegetation	task and use of equipment.	
management. Working near	Risk assessments, personal protection	
water. Handling mechanical	equipment, and on-site briefings.	
equipment.	Insurance cover.	
	and made available when anyone	
	working on site.	
	working on one.	
7. Biodiversity site 3	Utilities companies to be re-engaged with	
Washland design needs to be re-	re requirements.	
designed and approved by		
utilities companies and EA.	Further design work to be commissioned	
Site 3 will not be delivered during	once FRM completed and agreed for Missing Mile	
time project team are in contract.		
Project Director might choose to	Environment agency engaged with re	
cut this from programme to	design	
decrease budget resulting in	Site 3 with be progressed to detailed	
project not achieving BNG. This could also impact ability to	design, with planning and consents in	
secure additional funding from	place by end of 3024. Full budget handed	
National Highways	across to Project Director	
. Tadonar ingriwayo	Transition plan in place setting out when	
	and how this work will take place with	
	clear commitments to deliver	
8. Planning permission		
(habitat creation)	Early engagement with planning team at	
Wetland areas require planning	SDC and working with EA and local	
permission under TCPA.	community to ensure design is suitable for planning permission.	
	1 21	
	 Programming gives time for TCPA 	
	application and consultation.	
	Once detailed design work completed	
	meetings to be held with SDC planning	
	team to get early advice.	

9. Invasive Non-Native Species The spread of INNS as a result of restoration work opening up canal and G&S	 INNS management plan, engagement and education. Mink and plant control underway since the development stage to minimise spread. Train people in identification. Biosecurity measures such as Virkon to be put in place for contractors 	
Fish migration and biodiversity Project is deemed to impact on River Frome and potential fish populations. Additional compensation required that cannot be delivered by costed habitat creation works	 Engagement with EA and partners to ensure robust mitigation strategy in place and areas for improvement identified. Eel strategy completed and sent to EA. Eel passes included as standard within new lock design APEM have been appointed to oversee migratory fish sections of MM planning application Fish survey undertaken for Oldbury Brook in advance of planning conditions 	
11. Lack of coordination between project themes, particularly where early works can be undertaken Programmes not properly aligned causing delays to engineering or environmental works or requiring additional work to put right afterwards.	 Regular meetings between environment, engagement and engineering teams. Programme revision underway to align and complement engineering programme 	
12. Consenting Various works will require consents from IDB, EA etc. This could cause programme issues if delayed and/or impact overall project outcomes if aspects cannot go ahead at all.	 Consenting matrix written for NHLF bid setting out requirements for consents at each stage. Timelines for each consent included within the project programme. Good working relationships established within the project team and with statutory authorities. IDB and EA engaged with during design stages of w 	
13. Regulatory infringement during project delivery Works undertaken without correct training or not to agreed working methods breaches licence conditions and/or results in impacts to protected species	 Environmental training to be provided to volunteers Matrix written showing ecological enabling works required before, during and after every engineering project Engagement with engineering PM team Incident reporting to Exec team with escalation to PB as required Escalation and engagement plan included in training for all contractors. Ecological consultants to produce PWMS and provide ECoW to mitigate risks and meet licence conditions 	

works to avoid bird nesting season. Necessary checks not being carried out and documented ahead of works. Members of the public making complaint to police and/or on social suggesting project is breaking the law or not taking wildlife into consideration 15. Vegetation Clearance Volunteer groups not planning works to avoid bird nesting season. Necessary checks not being carried out and documented ahead of works. Members of the public making complaint to police and/or on social suggesting project is	 Badger setts known and mitigation has been undertaken where appropriate (sett closed in MM) Mapping created for use by engineering team and volunteers highlighting areas where protected species are present Regular meetings with engineering team to schedule works in advance Vegetation management plan written by CCT, currently undergoing update Advice sought with C&RT and alignment of policies Incident reporting to form part of monthly feedback to Exec team with clear actions to avoid impacts Bird nesting check form created and circulated amongst organisations 	
breaking the law or not taking wildlife into consideration 16. Reduced capacity In the last few months of the	Ongoing conversations with project staff to ensure early notice of intentions /	
project due to staff leaving fixed- term posts early to secure future employment.	plans to leave their posts. Existing ways of working lend	

Budget - breakdown of expenditure (spent and committed)

Project	Description	Cost
Frome Washland (site 3)	Spend to date £0	
	Detailed design (incl FRM), planning application and consents	£22,700
	Site infrastructure – gates, fences etc.	£3,300
Pockett's Orchard (site 6a)	Spend to date £4,692	
	Planting and tree guards	£1,100
	Bench and wooden field shelter	£1,000
	Volunteer training (PN06)	£1,180
Species-rich grassland (site 6b)	Spend to date £1137	
	Planting	£1,000
	Site infrastructure – fences, gates, water troughs	£2,500
Scrapes and pools (site 7)	Spend to date £24,077	
	FRM, planning application and consents	£5,200
	Water facilities for cattle	£3,920
	Lowering of flood embankments	£9,000
Water vole receptor ponds	Spend to date £12,400	
	Design (including FRM), planning application and consents	£9,700
	Excavation/spoil removal (incl. archaeological watching brief)	£76,000
	Planting and vegetation work	£13,500
	Water vole fencing and sundries	£75,000
Wildflower meadows and grassland	Habitat creation (including restoration of compounds)	£16,500
Hedgerows and Trees	Spend to date £5,339	
	Hedgerow plants, guards, bark mulch and fencing	£15,250
	Standard tree planting (incl black poplar)	£3,500
Built Habitat	Spend to date £101	
	Bat and bird boxes incl kingfisher tunnel	£3,900
	Insect houses, amphibian and reptile hibernacula	£150
	Pillbox conversion	£5,000
Citizen Science	Spend to date £540	
	Various projects	£1,960
Health & Wellbeing	Main bird Hide	£13,000
	Benches	£1,000
Vegetation Management	Spend to date £31	
	Invasive Species control	£719
	Hazardous tree work	£15,000
General	Spend to date £21,127	,
	Tools and materials (incl PPE/HSE)	£8,673
	Vehicle	£3,400
	Events and expenses	£2,071
Training (PN01 and PN03)	Spend to date £3,170	,-
	Environment and wildlife training volunteers	£1,830
Ecological work	Spend to date £104,727	,
	Ecological surveys including Ecological Clerk of works	£82,757
	Natural England licensing	£4,100
	Accreditation	£3,380
TOTAL BUDGET 2024	- Constant	£350,312