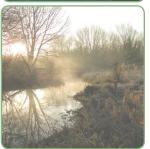
APPENDIX I

Compartment Map Descriptions Work Schedule Task based Risk Assessment Site Inspection Form





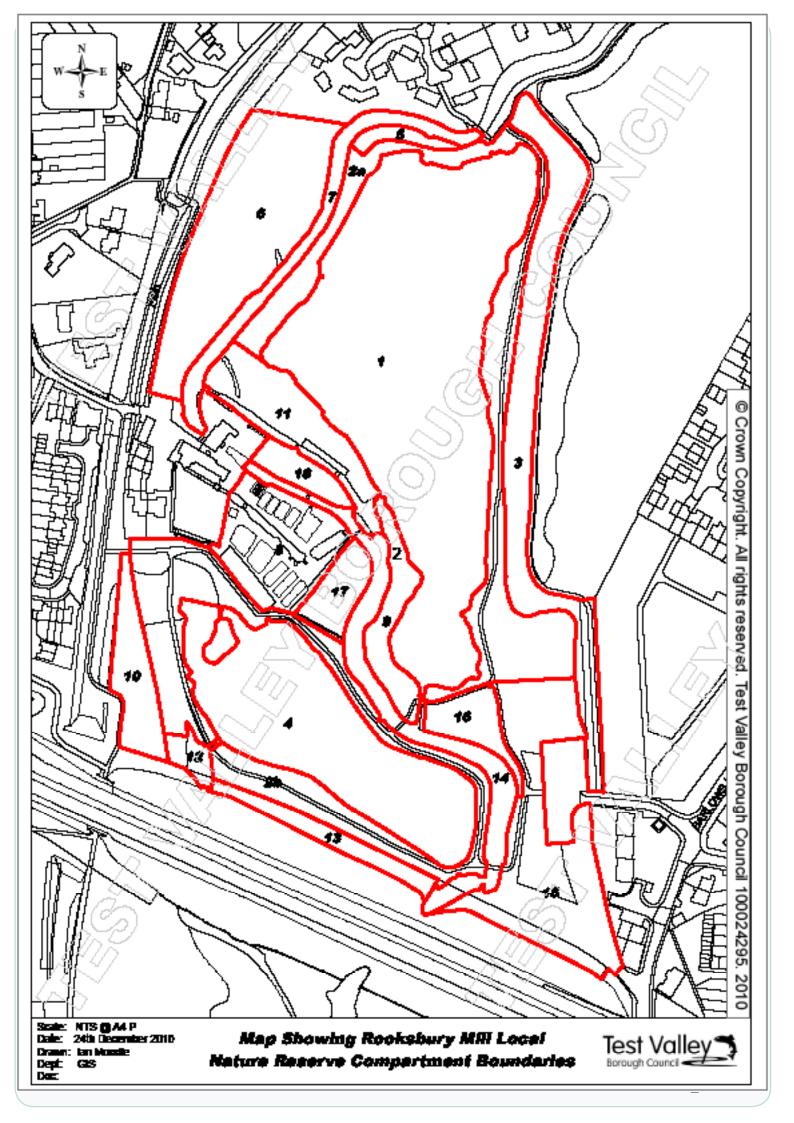












Compartment 1	Mill Lake	 Cut banks yearly to end of the season and remove arisings. Cut on circular rotation - 1 third of bank per year (in accordance to EA regulations on flood prevention) Areas between lakes become 'quiet' areas with no public access Where possible, soften edges of lakes by decreasing gradient. Cut aquatic weed three times yearly in April, June, August or as required and remove from site.
Compartment 2a	Improved pasture	 Leave gap between paths and lakes Cut grass to different swards heights. Mow and remove arisings. Where no formal path, cut grass as needed to maintain public access. Divide area into 3 parallel zones. Cut central area adjacent to paths twice yearly (first cut in March, second in October). Cut second zone (2-3 metres) every two years. Cut third zone on a four-year rotation Control spread of Japanese knotweed using Roundup Biactive in compliance with EA regulations Control ragwort through hand pulling and removal from site
Compartment 2b	Improved pasture	Manage as in compartment 2a
Compartment 3	Scrub boundary	 Dependant on desire lines and entrances for pedestrians. Coppice/pollard species when necessary Gap up where possible using native species of local province
Compartment 4	Barlows Lake	 Manage banks as in compartment 1. Increase light into wetland by promotory in Barlows Lake
Compartment 5	Riparian planting	 Coppice planted willow 1 in 3 annually from 2018 to maintain low level screening Coppice planted alder from 2019 2 times annually to maintain low level screening
Compartment 6	Riparian woodland	 Remove trees if seen as a danger to the public Leave as much dead wood as possible Maintain and enhance emergent vegetation along bank Remove trees from riverbank to increase light to river system, though leave a small number as bird perches
Compartment 7	River Anton	 Coppice overhanging trees Encourage emergent vegetation by leaving a 2 meter buffer zone adjacent to the banks of the river Refer to River Anton Enhancement Strategy

Compartment 8	Meadows and stew ponds	 Maintain meadow as in compartment 2 Non-intervention to allow natural succession
Compartment 9	Scrub	 Non intervention Restrict public and maintain no public access Control breach in lake bank (overflow)
Compartment 10	Poplar plantation	 Phase out poplar following establishment of understory planting Remove tree guards on planting when necessary Coppice hazel on rotation from 2019
Compartment	Rank fen	 Maintain as fen. Cut on rotation one side each year Thin trees as necessary to favour field layer
Compartment 12	Rank fen	Thin trees around pond to increase light
Compartment 13	Hedgerow	 Maintain as hedgerow Gap up where necessary using native trees of local province Coppice to improve quality to allow for hedge to be laid in future
Compartment 14	River Anton	 Manage as in compartment 7 Cut grass to different swards heights. Mow and remove arisings. Where no formal path, cut grass as needed to maintain public access. Divide area into 3 parallel zones. Cut central area adjacent to paths twice yearly (first cut in March, second in October). Cut second zone (2-3 metres) every two years. Cut third zone on a four-year rotation
Compartment 15	Unimproved pasture	 Cut grass twice yearly and remove arisings as in compartment 2 Continue to remove scrub to favour nationally important ground flora.
Compartment 16	Orchard	 Practice regulated pruning on a 2 year rotation to maintain healthy trees and enhance the area for wildlife. Pruning should be conducted between November and the end of March, after the leaves have dropped and fruit has been produced. Cut grass twice yearly removing arisings
Compartment 17	Scrubland	Non-intervention to allow natural succession
Compartment 18	Rough grassland	 Control ragwort through hand pulling and removal from site Cut and rake grass by hand and remove arising where possible Control extent of bramble to avoid encroachment

Work Schedule 2014 - 2024	24											
;			Year									
Objective	Prescription		2014	2019	2015	2018	2019	2020	2021	2022	0003	2023
Maintain and increase	Cut one third of the	1,4,7,9,14						*	*	*	*	
habitat for watervoles	bank once per year											
	(in accordance with											
	flood prevention											
Control Invasive ragwort	Pull by hand and	Whole Site	*	*	*	*	*	*	*	*	*	
or crossed vac cho cycl	remove from site	VVV	*	*	*	*	*	*	*	*	*	
Make sale any dangerous	Kemove unsale nees	WIOIE SILE	:					:				
rrees	from site. Leave											
	deadwood oil site ii											
Conduct surveys where	Undertake surveys											
necessary	at appropriate time											
	of year e.g. water											
	vole, otter, bat,											
	birds, terrestrial and											
	aquatic invertebrates,											
	higher and lower											
	plant and reptile.											
	Bats	Whole Site	*			*	*				*	
	water vole/otter		*		*				*			
	Birds	Φ		*	*							
	Terrestrial	Whole Site		*	*		*					
	invertebrates Aquatic invertebrates		*	*	*	*	*	*	*	*	*	
	higher and lower	Whole Site	*	*	*		*	*				
	plants											
	Visitor	Φ			*			*				
	Butterflies	Whole Site	*	*	*	*	*	*	*	*	*	
Install new interpretation	Boards to be	Whole site			*							
boards	installed on all											
	remove unnecessary											
	अधावदिव											

Continue to bailiff
fishing on Mill Lake
toil o
Cut to differing 2a,2b,15,16
sward heights twice
yearly (first cut in
March and second in
October) Where no formal 7a 2h 8
Ħ
grass twice yearly in
March and October
or as needed
site aquatic weed 3
times yearly in April
June and September
or as required,
es
Maintain fishing 1
necessary
orms 1
on remaining swims
(swims 1,3,5, 6, 8,
<u>rl</u>
6,7,14
maintain healthy

						*	*	*				*						*	-	•				*		*	
					*		*			*	¢ .	*						*	-	,				*		*	
							*	*				*						×	,	,				*		*	
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*							*	*Jan	2018			*						*	-	¢				*			
*							*			*	,	*						*	-	,				*			
						*	*	*				*						*	-	,				*			
						*	*			*	,	*						*	4	,				*			
5			2b		8	16	2a,15	16		0	16	16						Whole Site		Za.				7,14		Whole site	
ive	alder and willow	riparian vegetation to	Maintain and gap	necessary. Lay	nedge every / years.		Maintain scrub at current extent to		pruning to prolong life and maintain	good fruit production	Mulch trees	Reduce the extent	of nettles through	cut and collection	to reduce nutrient	loading and	encourage increased	diversity Remove sycamore	trees and saplings	7	Saparese Miotweed	Boundun Biactive in	spring or as required	Monitor site for	mink and control if	necessary Control spread of	
Remove conifer hedge			Maintain hedgerow				Reinstate chalk grassland	Maintain fruit trees				Reduce nettles						Control non-native	species								

* * * *	* * * * * * *	* * * * * * *	As required or when material is available		* * * * *
*	*	*	As required		*
Whole site	Whole Site	Whole Site	7,14	7,14	ω
Surveillance of fly tipping	Continue to encourage removal of litter and dog mess through education and wardening	Litter picks to be conducted weekly or as required	Undertake maintenance of faggots to ensure continued effectiveness	Fill in behind faggots using woody debris to encourage silt deposits and the establishment of riparian vegetation	Cut grass using Allen Sythe. Rake by hand to encourage dispersal of wildflower seeds (October)
Existing and possible future threat of fly tipping	Litter and dog mess		Enhance riparian zone		Cut grass and remove arisings

People Affected*: Completed by: Charlotte Warwick Test Valley Borough Council Land People Affected*: Name Completed by: Charlotte Warwick Date: 23/10/2012 Volunteers Staff Reviewed by: Charlotte Warwick As required or 22/10/2014 Staff Charlotte Warwick As required or 22/10/2014 Public Charlotte Rimmer As required or 05/10/2017 Students Charlotte Rimmer As required or 05/10/2017 Charlotte Rimmer As required or 04/11/2019 Charlotte Rimmer As required or 04/11/2019 Charlotte Rimmer As required or 04/11/2019 As required or 04/11/2019 As required or 04/11/2019 As required or 16/04/2021 As required or 16/04/2021 As requir	RISK A	SSESSME	RISK ASSESSMENT - TEST VALLEY BOROU	' BOROUGH COUNCIL	CIL		
Name Iteers Name Iteers Reviewed by: Charlotte Warwick Ders of the Charlotte Warwick Charlotte Warwick Charlotte Warwick Charlotte Rimmer Charlotte Rimmer Charlotte Rimmer Charlotte Rimmer Charlotte Rimmer Daisy Kennard Daisy Kennard Daisy Cameron Besment Seen By: Manager: Boyce Jeffery Signed: Signed: Signed: Date:		SERVICE:			LOCATION:	/ Borough Counci	il Land
Affected:: Completed by: Charlotte Warwick Date: 2							
Name Name Reviewed by: Charlotte Warwick Date: A	People /	Affected*:		Completed by:	Charlotte Warwick	Date:	23/10/2012
Seviewed by: Charlotte Warwick Date: A charlotte Warwick Charlotte Warwick Charlotte Warwick Charlotte Warwick Charlotte Rimmer Manager: Manager: Manager: Signed: Signed: Signed: Charlotte Rimmer Manager: Charlotte Rimmer Charlotte Rimmer	N	ame	Name				
Sement Seen By: Series of the Charlotte Warwick	Voluntee Staff	SIS		Reviewed by:	Charlotte Warwick	Date:	As required or 22/10/2014
Charlotte Warwick Charlotte Rimmer Charlotte Rimmer Charlotte Rimmer Charlotte Rimmer Daisy Kennard Daisy Kennard Daisy Cameron Signed: Signed: Signed: Date:	Member: Public	s of the			Charlotte Warwick		As required or 22/10/2015
Charlotte Rimmer Charlotte Rimmer Charlotte Rimmer Daisy Kennard Daisy Kennard Daisy Cameron Signed: Signed: Date:	Students	10			Charlotte Warwick		As required or 05/10/16
Charlotte Rimmer Charlotte Rimmer Daisy Kennard Daisy Kennard Daisy Cameron Signed: Signed: Date:					Charlotte Rimmer		As required or 05/10/2017
Charlotte Rimmer Daisy Kennard Daisy Kennard Daisy Cameron Signed: Signed: Date:					Charlotte Rimmer		As required or 27/10/2018
Daisy Kennard Daisy Kennard Daisy Cameron A Daisy Cameron A Signed: Signed: Date:					Charlotte Rimmer		As required or 01/11/2019
Daisy Kennard Daisy Cameron A Signed: Signed: Date:					Daisy Kennard		As required or 04/12/2020
y Signed: Signed: Date:					Daisy Kennard		As required or 16/04/2021
y Signed: B. A. M. Date:					Daisy Cameron		As required or 15/11/2021
y Signed: B.A.M. Date:							
ce Jeffery Signed: Signed: Date:	Assessr	nent Seen	3y:				
ce Jeffery Signed: S A M. Date:	Line Ma	nager:					
	Name:	Boyce Je	ffery		Signed: S · A \	Date:	01.02.2022
					2		

	All volunteers/staff to sign to confirm that they have read, fully understand and will abide by control measures. Group leader will be responsible for ensuring this is the case for anyone where English is not their first language.				
	The practical tasks that we carry out in our Nature Reserves can be strenuous, tring and involve the use of hand tools that some people may find challenging. Please inform the co-ordinator leading the event if you have any medical conditions or				
	concerns that could be a danger to yourself or other volunteers working around you. We reserve the right to restrict your level of				
	participation in certain circumstances. All children under the age of 16 MUST be accompanied by a				
Workplac	Workplace Representative:		0,0		
Name:	Charlotte Rimmer	Signed: (/ Kinne Date:	Date:	18.01.2022

+Attach copies of previous risk assessments carried out during the previous 12 months(retain previous risk assessments for 6 years)

Task or Area Description: Tree felling using hand tools

Hazards Identified and how harm may occur	Control measures in place Risk Ratin	Risk Rating H/M/L	Further Action required?	Action by who?	Action by when?	Date Done
Biological –Lymes disease, Hep B & C, Tetanus	Keep arms and legs covered. Check for ticks regularly when you are outside and when you get home. Light coloured cloths make ticks easier to see. If you find a tick attached remove immediately using the correct technique. If symptoms occur see doctor. Cover any wounds. Wash hands with antibacterial hand wash or wipes before consuming food or smoking	M	Advise volunteers of risk and symptoms. Hand out leaflet on Lymes disease. Up to date Tetanus. Use insect repellent if desired (follow manufacturers guidelines).	Group leader/ Countryside Officer	Before task	

measures. If conditions particularly slippery due to adverse weather conditions. Group leader to decide whether task continues based on conditions/task and site characteristics.	Correct use of tools to be Group leader/ On the demonstrated. Countryside day Officer	Correct use of tools to be Group On the demonstrated. Ieader/Countr day yside Officer	Group leader/ Prior to Countryside & on Officer day	Correct use of tools to be Group leader/ On the demonstrated Countryside day Officer	Remind volunteers of control Group leader/ On the measures. Alert group leader Countryside day to any relevant allergies. Officer	Demonstrate correct lifting/ Group On the manual handling technique. Leader/ day Countryside Officer
	M 0	M	to M	ı	ı	ts M rng le
Be aware of potential uneven ground, rabbit holes etc. Avoid potentially dangerous areas. Wear appropriate footwear.	Wear appropriate PPE (gloves/eye protection) to protect from injury from mappropriate usage.	Ensure tools are sharp. No glove to be worn on the hand use to hold the billhook.	If working in or near to water please see risk assessment for working near water.	Wear gloves and appropriate eye protection.	Wear appropriate PPE. Work wearing long sleeves and trousers. Treat if necessary.	Do not move or lift objects that are too heavy. Two handed lifts may be appropriate. Break down load into smaller manageable loads or seek assistance. Use good lifting technique. Ensure volunteers are comfortable carrying out the task and
Slips, trips and falls	Tools/Equipment to include: Bow saws/Loppers/Litter pickers/Secateurs/Rakes/Wheel barrows	Billhooks (Hedgelaying)	Working near water	Sharpening tools	Insect bites/stings	Lifting heavy objects

Lone working	Do not work alone – Work in pairs. Carry a working mobile phone at all times (use a waterproof pocket to protect against water damage). Always inform	ı	Remind volunteers of control measures. Contact details of volunteers. Use Life 360 app to check in on arrival to site. See Lone Working Risk Assessment	Group leader/ Countryside Officer	On the day	
	group leader of your location. Report back at regular intervals.					
Refuse, litter broken glass – general injury.	Pick up only general litter. Volunteers must NOT collect medical waste or syringes	Т	Remind volunteers of control measures. Refer medical waste/syringes to group leader. Sharps box and PPE	Group leader/ Countryside Officer	On the day	
	0		to be used by group leader only.			
Falling trees/dead wood Trees, shrubs and irritant/dangerous plants – allergic reaction etc.	Maintain safe working distance of 2 ½ times the distance of the product being felled. No tree bigger than 4 inches in diameter should be felled. Close off area to members of the public using tape and appropriate signage. Wear appropriate PPE (as in tools and equipment). Inspect trees for deadwood prior to commencing task. Awareness of risk. Site inspection before commencement of work. Identify hazardous plants and avoid. Use gloves/long sleeves/trousers at all times and wash hands after	I L	Remind volunteers of control measures. Remind volunteers of control measures. NB. Take particular care when working with Holly. Arms and legs should be covered and eye protection warn.	Group leader/ Countryside Officer Group leader/ Countryside Officer	On the day On the day	
Fire	drinking or smoking. If burning material, advise	M	Burning should not be carried	Group leader/		
	local fire service of		out during particularly dry	Countryside		

	activities and ensure fire is completely extinguished before leaving the site.		conditions. Water should be stored on site during burning. Fire should not be left un attended.	Officer		
Accidents/incidents	Eye wash and fully stocked first aid box available.	Г	Remind volunteers of control measures and location. Identify trained first aider and location of first aid kit. All accidents must be recorded in accident book, on site forms can be located in the vehicle glove compartment. Be aware of suitable access and location for emergency services in advance of commencement of works (Site details can be found in vehicle glove compartment).	Group leader/ Countryside Officer	On the day	
Working near roads	Extra care should be taken when working near roads. Always fell away from the road and ensure footpaths are correctly supervised or closed off. Volunteers should wear hi vis jackets (with sleeves).	M	Felling of trees over 4 inches should be left for felling by a chainsaw by a trained and experienced operative or a tree surgeon.	Group leader/ Countryside Officer		
	Avoid contact with loose dogs. Seek medical attention if bitten or scratched and report to police/dog warden and task organiser	Т	Up to date Tetanus vaccination. Remind volunteers of control measures.	Group leader/ Countryside Officer	On the day	
Violence and aggression	Awareness of potential for aggressive or difficult members of the public. Withdraw rather than face conflict. Work in pairs.	L	Remind volunteers of control measures. Report incident to group leader.	Group leader/ Countryside Officer	On the day	
Dog faeces (Toxocara)	Inspect work area prior to commencement of task. Wash hands and other areas	L	Remind volunteers of control measures. Hand out leaflet on Toxocara.	Group leader/ Countryside Officer	On the day	

	of contact					
Adverse weather conditions	Adjust programme to avoid extremes. Stop work if conditions warrant. Wear appropriate clothing, sun screen etc. Take regular breaks and refreshments.	Т	Remind volunteers of control measures.	Group leader/ Countryside Officer	On the day	
Overhead power cables (All)	Carry out site visit prior to commencement of task. Do not carry out work on trees within 10m of any over head power lines or any tree likely to fall within the exclusion zone.	M	Secure work area prior to commencement of work. Refer to electricity at work: Forestry guidelines or contact the network operator.	Group leader/Countr yside Officer	Prior to event	
Covid-19	Follow government guidance for social distancing. If any team member shows symptoms of Covid-19, they should test. If they are positive, team members that were in close proximity should also test. Wash hands with warm water and soap, before and after eating, dinking and smoking. Where this is not possible, the use of hand samitizer of at least 60% alcohol is required.	M	Check regularly for updated guidance on the government website and follow accordingly	Countryside Officer	On the Day	

Business Unit Manager Kevin Harrington Signed: O1.02.2022	Control Measures in Place	Yes			
Kevin Harrington Signed: Date:					
	Business Unit Manager	Kevin Harrington	Signed:	Date:	01.02.2022

* Staff, Contractors, Visitors., Public, Disabled

APPENDIX II

Species Records

A Fresh Water Invertebrates

B Floral Records

C Bird Records

D Bioblitz

E Moths

F Butterfly

G Watervoles

H Fish Population Survey

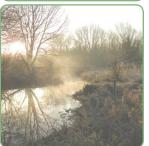
I Invertebrate Survey

H Water Assessment and Management















A - Fresh Water Invertebrates

The data below has been gathered during school visits. A typical collecting day consists of four sessions. Six groups of children in each session collect from the water using nets with 1 mm mesh. These are sorted through in white trays and a selection of animals taken from the trays and put into smaller pots. Animals from all trays are used to compile a list for the day. Towards the end of the session, each group estimates the numbers of particular animal types in their tray. The list below shows the recorded species list for each year from 2014 - 2019.

Although there is considerable variation in the collecting effort and accuracy of each group, the number of repetitions does provide a degree of validity to the data, at least with respect to observing trends, and this is the main reason for gathering the data.

Animals recorded during the school visits

2020 - 2021 ALL SCHOOL VISITS CANCELLED DUE TO COVID

	2014	2015	2016	2017	2018	2019
Hydra						
Flatworm	*	*	*	*	*	*
Lumbriculus	*	*	*	*		
Fish Leech – Piscicola	*	*		*	*	*
Leech – Theromyzon	*	*				
Leech - Erpobdella	*	*		*		
Amber Snail	*	*		*		*
Snail - Bythinia	*	*	*	*	*	*
Bladder Snail	*		*			
Great Pond Snail	*	*	*	*	*	*
Ramshorn Snail	*	*	*	*	*	*
Orb Shell	*	*	*	*	*	*
Waterflea - Daphnia		*	*	*	*	*
Waterflea - Cyclops	*	*	*	*	*	*
Freshwater Shrimp	*	*	*	*	*	*
Hog-louse	*	*	*	*	*	*
Mayfly	*	*	*	*	*	
Hawker Dragonfly			*	*		*
Darter Dragonfly		*	*		*	
Damselfly	*	*	*	*	*	*
Water Measurer	*	*	*	*		

	2014	2015	2016	2017	2018	2019
Pond Skater	*	*	*	*	*	*
Water Cricket				*		
Water Scorpion	*	*	*	*	*	*
Water Stick insect	*	*	*	*	*	
Saucer Bug	*					*
Greater Water Boatman	*	*	*	*	*	*
Lesser Water Boatman	*	*	*	*	*	*
Caddis - stick case	*	*	*	*	*	*
Caddis - stone case	*	*	*	*	*	*
Caddis - green leaf case	*	*	*	*	*	*
Alderfly	*	*				
Giant Cranefly	*	*				
Phantom midge				*	*	
Bloodworm	*	*	*	*	*	*
Biting midge		*	*	*	*	
Non-biting midge	*	*	*	*	*	*
Scavenger Beetle		*				
Diving Beetle - Dytiscidae	*	*	*	*	*	*
Beetle Haliplus	*	*	*	*	*	*
Diving Beetle - Platambus			*	*		
Diving Beetle - Hyphydrus	*	*		*		
Fish Fry		*	*	*	*	*
Pike		*			*	
Common Toad	*	*	*	*		*
Common Frog	*	*	*		*	*
Newt Tadpole		*	*	*	*	*
Smooth Newt Adult	*	*	*		*	
Palmate Newt Adult						

B - Floral Records

Agrimony Amphibious bistort Annual Meadow Grass

Apple Ash

Autumn hawkbit Barren brome

Bee orchid

Bittersweet Black horehound Blackthorn rowan Blade Medic

Blunt fruited water starwort

Bracken Bramble Branched bur reed

Broad leaved bamboo

Broad leaved dock Brooklime Buckthorn Buddleia

Bugle Bull rush

Butterbur Buttercup

Cat's ear

Charlock Chickweed Cleavers Cocksfoot

Columbine coltsfoot cowslip

Common bent

Common birdsfoot trefoil Common broom rape Common centaury Common chickweek Common club rush

Common comfrey

Common couch Common duck weed Common figwort Common horsetail Common ivv

Common knapweed

Common mallow Common mouse-ear

Common nettle Common ragwort Common sorrel

Common spotted orchard

Common vetch Compact rush Cow parsley

Crack willow Crane's bill

Creeping bent

Creeping buttercup Creeping cinquefoil Creeping soft grass Creeping thistle Crested dogstail

Cut leaved crane's bill Cypress spurge

Daffodil Daisy Dandelion Dark mullein

Devil's bit scabious

Dogrose Dogwood Elder

Enchanters nightshade

English Elm Forget me knot Field horse tail Fleabane

Floating sweet grass Flote / pilicate grass

Foxglove Goosegrass

Greater bird's foot trefoil

Greater plantain Great horse tail Great mullein pot Great willow herb

Grey poplar Grey willow Ground elder Ground ivy Groundsel Gypsy wort Hairy sedge

Hairy St John's wort

Hairy tare Hard rush Hart's tongue Hawthorn Hazel

Hedge bedstraw

Hedgerow

Hedge woundwort

Hemlock hedge mustard Hemlock water dropwort

Hemp agrimony Herb Robert

Himalavan cotoneaster Himalayan giant bramble

Hogweed Honeysuckle Hyp radic

18

Floral Records

IvySheeps sorrelKidney vetchShepherd's purseKnotgrassSilver weedJapanese knotweedSmaller cat's tail

Lady fern Smoothhawk's beard Smooth sow-thistle

Large bindweed Smooth-stalked meadow grass

Lesser burdock Snowberry
Lesser spearwort Soft rush

Lesser stitchwort Southern marsh orchid

Lesser trefoilSpear thistleLombardy poplarSpiked sedgeManes tailSpindle

Marjoram St John's wort (swuare stalked)

Marsh bedstraw Stream water crowfort Marsh foxtail Sweet vernal grass

Marsh horsetail

Marsh marigold

Marsh ragwort

Marsh thistle

Meadow buttercup

Meadow foxtail

Tall fescue

Tall oat

Tormentil

Traveller's joy

Tufted hairgrass

Upright hedge parley

Meadow sweet

Monkey flower

Mugwort

Nipplewort

Oval sedge

Wall barley

Walnut

Water betony

Water cress

Water figwort

Parsnip Water forget me knot

Peach leaved bellflower

Perforate St John's wort

Pedunculate oak

Water mint

Water pepper

Wavy bittercress

Perennial ox eye daisy Weid

Perennial rye grass Welted thistle

Pignut White bryony Pineapple weed White clover Prickly sow thistle White dead nettle Pyrimidal orchid White water lily Ragged robin Wild angelica Ratstail plantain Wild carrot Red bartsia Wild cherry Red campion Wild marjoram Red clover Wild privet

Red fescus Wild raspberry Red-veined dock Wild teasel

Reed sweet grass Willow herb species

Remote sedge
Redshank
Wood avens
Reed canary grass
Ribwort plantain
Rough hawkbit
Rough meadow grass
Winter cress
Wood avens
Wood dock
Wood sedge
Wych elm
Yarrow

Rough meadow grass
Russian comfrey
Selfheal

Wych elm
Yarrow
Yellow iris
Yellow rattle

Sharp flowered rush Yorkshire fog

19

C - Bird Records 2013 - 2019

Blue Tit

Barn Owl (2015) Lapwing

Black Cap Lesser Black Backed Gull

Linnet

Blackbird Lesser Redpoll
Black-headed Gull Lesser Whitethroat

Brambling (2013)

Bullfinch

Buzzard

Canada Goose

Little Egret

Little Grebe

Little Owl

Long tailed Tit

Carrion Crow Magpie
Cetti's Warbler (2014) Mallard

Chaffinch Mallard (domestic)

Chiffchaff Marsh Tit
Coal Tit Meadow Pipit
Collard Dove Mistle Thrush
Common Crossbill (2016) Moorhen
Common Gull Mute swan

Common sandpiper (2013)

Common Turn

Nuthatch
Pheasant

Coot Pied Wagtail (yarrellii)
Cormorant Pied/White Wagtail

Cormorant (Continental) (2017) Pochard

Cuckoo (2013) Radd's Warbler (2013)

Dunnock Raven

Ferel Pigeon Red Kite (2016)
Fieldfare Red-legged Partridge
Firecrest (2016) Redshank

Gadwall Redwing
Garden Warbler (2014) Reed Bunting
Goldcrest Reed Warbler

Golden Plover Ring-necked Duck
Goldfinch Ring Ouzel

Great Black Backed Gull Robin
Great Crested Grebe Rook

Great Crested Grebe Rook
Great Spotted Woodpecker Sand Martin

Great Tit Sedge Warbler
Great White Egret Shovelor
Green Woodpecker Siskin
Greenfinch Skylark

Greenfinch Skylark
Grey Heron Song Thrush
Grey Wagtail Sparrow Hawk

Greylag Goose Spotted Flycatcher (2014)

20

Herring Gull
House Martin
Stock Dove
House Sparrow
Stonechat
Hybrid Aythya (2013)
Swallow
Hybrid Black x Mute Swan
Storic Sward
Swift

Hybrid Duck Tawny Owl Jackdaw Teal

Jay Treecreeper
Kestrel Tufted Duck
Kingfisher Water Rail

Bird Records 2013 - 2019

Waxwing (2013)

Whitethroat (2013)

Wigeon

Willow Warbler (2014)

Woodcock

Wood Pigeon

Wren

Yellow browned warbler (2013)

Yellowhammer

Unidentified gull

Unidentified small gull

D - BIOBLITZ - Recorded Species

BEES

Common Carder Bee Buff-tailed Bumblebee Early Bumblebee Red-tailed Bumblebee Tree Bumblebee Cuckoo Bumblebee Honey Bee

BUGS

Tortoise Shield Bug A Squash Bug Green Shield Bug Woundwort Shield Bug

BEETLES

Swollen thigh Beetle Green Dock Beetle A Leaf (Reed) Beetle Harlequin Ladybird (larvae) A common Weevil Two spot Ladybird (larvae)

Crab Spider Nursery Web Spider Velvet mite Woodlice

E - Moths identified at Rooksbury Mill LNR

These moths were attracted to two light sources set up just north of the car park by Alison Cross and Mike Wall of Butterfly Conservation (Hampshire). The light sources were run from 21.45 to 23.30. Weather was calm, warm but overcast. There was significant bat activity. The moths were shown to a large group of local residents who enjoyed this event that had been programmed by Hampshire and Isle of Wight Wildlife Trust (NW District) and advertised locally.

English name	Scientific name	Comment
	*Pyrausta aurata	Also seen in daylight
Shuttle-shaped Dart	Agrotis puta ssp.puta	
	Lathronympha strigana	
Mother of Pearl	*Pleuroptya ruralis	Also seen in daylight
	Agapeta hamana	
Brimstone	Opisthrograptis luteolata	
Dwarf Cream Wave	Idaea fuscovenosa	
	Dipleurina lacustrata	
Pebble Hook-tip	Drepana falcataria falcataria	
Dun-bar	Cosmia trapazina	
Single-dotted Wave	Idaea dimidiata	
	Paraswammerdamia nebulella	
Yellow Shell	Camptogramma bilineata bilineata	Also seen in daylight
Flame Shoulder	Ochropleura plecta	
	Trachycera advenella	
Dingy Footman	Eilema griseola	
Round-winged Muslin	Thumatha senex	
Red Twin-spot Carpet	Xanthorhoe spadicearia	
	Phyllonorycter emberizaepenella	
The Flame	Axylia putris	
Dark-barred Twin-spot Carpet	Xanthorhoe ferrugata	
Common Carpet	Epirrhoe alternata alternata	Also seen in daylight
Small Magpie	*Eurrhypara hortulata	
	Chrysoteuchia culmella	
Early thorn	Selenia dentaria	
Ruby Tiger	Phragmatobia fuliginosa	
Cloaked minor	Mesoligia furuncula	
Large Yellow Underwing	Noctua pronuba	
Ü		23

English name	Scientific name	Comment
White satin	Leucoma salicis	
	Batia unitella	
Buff Ermine	Spilosoma luteum	
Setaceous Hebrew Character	Xestia c-nigrum	
	Yponomeuta evonymella	
Common Wave	Cabera exanthemata	
	Bryotropha terella	
	Agonopterix heracliana	
	Borkhausenia fuscescens	
Sallow Kitten	Ypsolopha scabrella	
	Furcula furcula	
Riband Wave	Idaea aversat	
Ringed China-mark	*Parapoynx stratiotata	
	Blastobasis adustella	
	Euzophera pinguis	
Smoky Wainscot	Mythimna impura	
	Yponomeuta padella	
	Acleris aspersana	
Yellow-tail	Euproctis similis	Also seen in daylight
	Cnephasia sp.	
Willow Beauty	Peribatodes rhomvoidaria	
V-Pug	Chloroclystis v-ata	
Clouded Border	Lomaspilis marginata	
Elephant Hawkwoth	Deilephila elpenor	Larvae found 22/10/2010

English Name	Scientific Name	Comment
Anticlea derivata	Streamer	
Ectropis bistortata	Engrailed	
Gymnoscelis rufifasciata	Double-striped pug	
Orthosia gothica	Hebrew character	
Anthophila fabriciana	Nettle-tap	
Caloptilia syringella		
Micropterix calthella		
Acronicta rumicis	Knot grass	
Depressaria heraclei	Parsnip moth	
Parapoynx stratiotata	Ringed china-mark	
Callimorpha dominula	Scarlet tiger moth	
Cameraria ohridella	Horse-chestnut leaf-miner	
Celypha lacunana		
Chrysoteuchia culmella		
Dichrorampha sequana		
Timandra comae	Blood-vein	
Ennomos fuscantaria	Dusky thorn	
Hypena proboscidalis	Snout	
Morma maura	Old lady	
Noctua fimbriata	Broad-bordered yellow underwing	
Orgyia antiqua	Vapourer	
Xestia c-nigrum	Setaceous hebrew character	
Xestia xanthographa	Square-spot rustic	
Xestia c-nigrum	Vapourer Setaceous hebrew character	

^{*}marked species are Pyralid Moths

This list will be submitted for the National and Hampshire records by the moth experts mentioned above.

List provided by Alison Cross. Elephant Hawkmoth larvae note added by Mervyn Grist.

On this date some additional species of moths were recorded from the footpath underpass (of A303) just west of Rooksbury Mill. These were:

Black Arches Lymantria monacha
Large twin-spot carpet Xanthorhoe quadrifasiata

Rooksbury Mill Local Nature Reserve Butterfly Survey Annual Report 2021

A Big Thank You

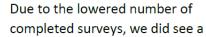
First off, I would like to thank everybody who participated in this years' butterfly surveys. This has been a confusing year with lots of challenges to overcome and so I am sincerely grateful to you all for helping Test Valley Borough Council collect this valuable data.

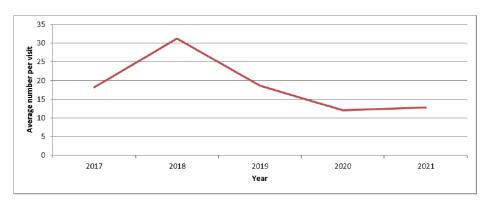
Introduction

The Rooksbury Mill Local nature Reserve Butterfly transect was set up in 2010 and during this time has had 27 species of butterfly recorded on site. This site has a variety of different habitat which benefit a wide range of species.

Results

We had a total of 18 surveys completed this year compared to the 24 of last year. This means that the data, although useful to us at Test Valley, will not be classed as statistically important in the national scheme.





decrease in total individuals counted this year. However, on average there was an increase of individuals seen each survey. This average gives us an idea that if we had had a higher number of surveys we likely would have seen an increase in species and numbers.

We had a total of 20 species counted this year, and increase on last year. We had some exciting finds this year with the return of the Small Heath from 2018, a Dark-Green Fritillary spotted again after not being seen on site since 2010 and a new addition to the site, a Brown Hairstreak!

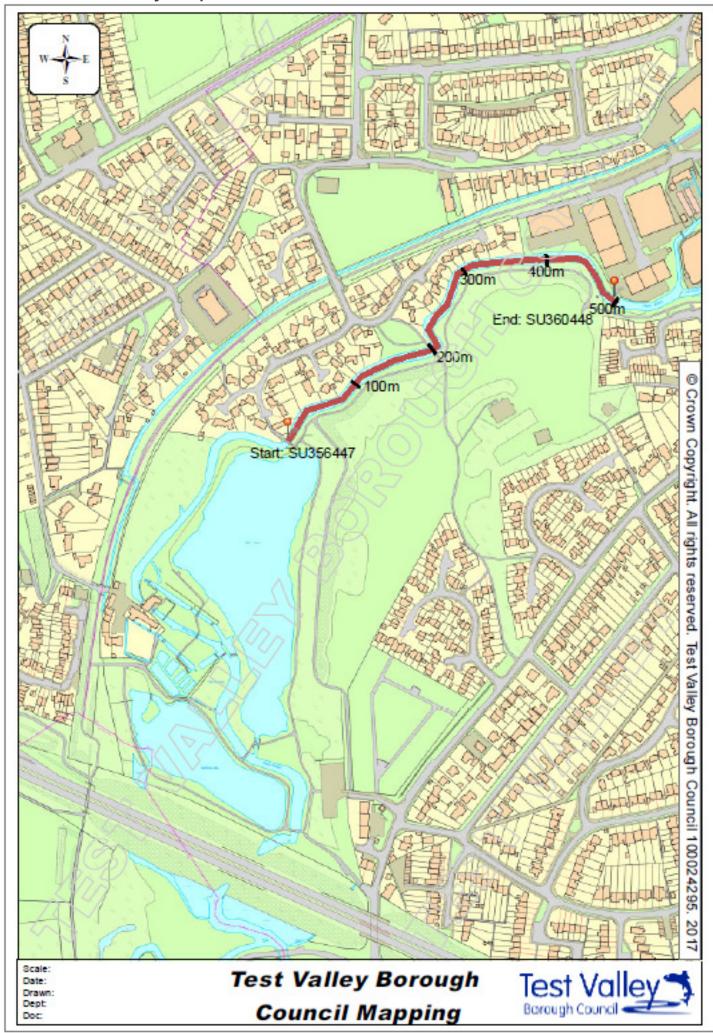
A Full list of species from 2021 can be seen below with the six most common highlighted in bold:

Sm	nall Skipper	Brimstone	Large White
Sm	nall White	Green-veined White	Orange Tip
Bro	own Hairstreak	Common Blue	Holly Blue
Re	d Admiral	Small Tortoiseshell	Peacock
Со	mma	Dark Green Fritillary	Speckled Wood
Ma	arbled White	Meadow Brown	Small Heath
Rir	nglet	Gatekeeper/hedge brov	wn

Conclusion

In general we can guess that the numbers were showing an increase this year. Nationally, we have seen a decrease in butterfly numbers and although the increase at Rooksbury is small, it still gives hope that populations are stabilising locally.

The 2020 UKBMS Annual Report is now available online from their website.







Please ensure you have read the survey guidelines before doing your survey. Please complete the Site information form when you do your preliminary visit of your site. You will then need to complete the NWVMP survey form when you do your survey in May.

Site information form

1. Site number	: Rooksbury Mill LN	IR			
2. Habitat:					
Upland		Lowland 🗵]	Coastal	
3. Waterway ty	/pe:				
river 🔀	stream/burn canal	lake/loch reservoir	_		bog 🔲
If other please sp	ecify:				
Yes No If yes, please spe	Don't know cify when the reintro	duction happened: te (usually one):			
Mink surveys u					
	ierence (8 figure gr	id reference e.g. X	X74736789)SU3	56447	
9. Grid referen	erence (8 figure grid ces of each 100m r ansect – you will not	nark along your tr	ansect (complete as		
100m	200m	300m	400m	500m	600m

100m	200m	300m	400m	500m	600m
SU357447	SU358448	SU358449	SU359449	SU360448	



National Water Vole Monitoring Programme survey form

Site Number:	Transect No. (If applicable): 2	Bank surveyed (N/S/E/W): Both
Start grid ref: SU356447	End grid ref: SU360448	Transect length: 500m
Survey date: 30/07/2017	Surveyor: Ron Davis and Kate Savage	

Survey date: 30/07/2017	770	Surveyor: Ri	Surveyor: Roll Davis and Nate Savage			
		Water vole s (complete as man)	Water vole signs in each 100m section of the transect (complete as many as is applicable to the length of your transect)	of the transect gth of your transect)		
Field sign	0-100m	100-200m	200-300m	300-400m	400-500m	500-600m
Number of trampled latrines (trodden flat on top)			4	1		
Number of untrampled latrines			m	4		
Please note the location of the first laterine that you			SU359449	SU358449		
encounter (Grid Reference or GPS)						
Please note the			SU358449	SU360447		
focation of the last latrine that you						
encounter (Grid Reference or GPS)						
Water vole feeding signs						
,						
Burrows/nests (approximate no.)	None	⊠ None	None	None	None	⊠ None
	1-5	1-5	1-5	□ 1-5	1-5	1.5
	□ 6-10	0 6-10	01-9 🛛	0 6-10	0 6-10	0 6-10
	☐ More than 10	☐ More than 10	☐ More than 10	☐ More than 10	☐ More than 10	☐ More than 10
Sighting:	oN	oN □	oN 🖂	oN ⊠	oN 🗆	□ No
	☐ Yes, If so how	☐ Yes, If so how	☐ Yes, if so how	☐ Yes, if so how	☐ Yes, if so how	☐ Yes, if so how
	many:	many:	many:	many:	many:	many:

Registered charity no: 274206 Please enter your data online at www.ptes.org/watervoles enquiries@ptes.org 020 7498 4533 Regist

www.ptes.org

Mink/otter signs along the whole transect (only record if you are certain of your identification and please take a photo including an object to		
indicate scale)		
Mink	Otter	
□ Scat	☐ Spraint	
☐ Footprints	☐ Footprints	
☐ Sighting	☐ Sighting	
Mink raft present 🗆 Yes 🗆 No		
Any comments on mink control at the site/transe	ect	

Data should be submitted by the 31st October each year Please enter all data online at <u>www.ptes.org/watervoles</u>



Field sign record form (optional)

GPS location Field sign		Transect section:	Comments
		e.g. 1 st 100m, 3 rd 100m	
e.g. trampled latrine		e.g. 1 st 100m, 3 rd 100m	Fresh droppings



Fish population survey summary: Rooksbury Mill, River Anton

Background

A fish population survey was carried out on the River Anton at Rooksbury Mill, Andover on the 8th September, 2016. The survey was part of the six-yearly Salmon Action Plan survey programme, aimed at assessing the spatial distribution of juvenile salmon throughout the Test catchment.

Methods

A single electric fishing run was completed over an 85m reach between SU3564844305 and SU3561144378 (Map 1, below). A battery-powered, backpack electric fishing unit was used, with one anode. Two team members captured fish in dip nets and another carried an aerated holding tank. The average width of the survey reach was 5.27m. Captured fish were identified, measured and returned to the river.



Map 1: Survey location



Results

The survey catch consisted of 68 brown trout Salmo trutta, 92 bullhead Cottus gobio and 4 European eels Anguilla anguilla, as shown in the pie-chart below:

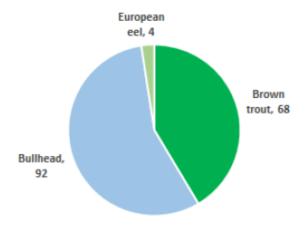


Figure 1: Survey catch

The lengths of the eels captured are given in figure 2, below:

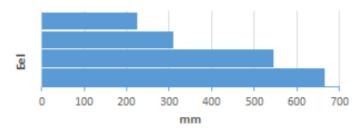


Figure 2: Eel lengths

Figure 3 is a length frequency histogram showing the numbers of trout in each size category.

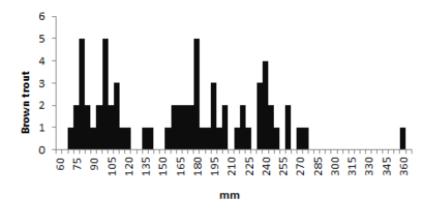


Figure 3: Brown trout length frequency (n=68)

customer service line 03708 506 506 incident hotline 0800 80 70 60

floodline 03459 88 11 88

Page 2 of 3



Discussion

The total catch of brown trout in 2016 was lower (68) than when the survey was conducted in 2010 (129). However, the average width of the site was 9.6m in 2010 and a 100m reach was fished, whereas in 2016 the average width was 5.27m and an 85m reach was fished. The reduction in width was probably due to a combination of lower flow and development marginal vegetation. The reach length was reduced in order to align with a suitable upstream stop net position. This means that brown trout density in 2016 was 15.2 per 100m², slightly higher than in 2010 when it was 13.5 per 100m².

Figure 3 indicates fairly even numbers of juvenile, mid-aged and mature brown trout, which is a reflection of good habitat quality and complexity - in order for a reach to support these different life stages, it must meet their varied habitat requirements (i.e. pools, riffles, variable depth & substrate).

The capture of 92 bullhead indicates both good water quality and good substrate (riverbed) habitat. Bullhead are less affected by larger scale habitat features but require complex, stony substrate, ideally with woody debris and vegetated margins.

The eel catch was similar to 2010, when three eels were caught (of similar lengths to 2016). The European eel s critically endangered and abundance, especially in headwaters, has declined substantially in recent decades. The Rooksbury catches demonstrate that the site is accessible to eels migrating upstream from the sea and that it provides suitable habitat quality and food availability to support resident adult eels.

The 2010 survey also recorded nine grayling, one three-spined stickleback, one brook lamprey, one stone loach and three juvenile pike. The absence of grayling from the 2016 catch may reflect the general decline in this species that has been noted in recent years, probably as a result of high temperatures and low flows. The absence of the other species is probably a random feature of the results and not a cause for concern.

INVERTEBRATE SURVEY OF

ROOKSBURY MILL,

ANDOVER

NORTH HAMPSHIRE

NOVEMBER 2019

Dr. Jonty Denton FRES FLS CECOI MCIEEM

31 Thorn lane, Four Marks, Hants, GU34 5BX

Summary

A survey of terrestrial and aquatic invertebrates was carried out across the site in April-September 2019.

Survey date/s: 23rd May, 27th June, 1st, 11th July & 15th August & 10th September 2019

Species total: A total of 364 invertebrate taxa were identified of which 9 had conservation statuses. These are listed below;-

				Conservation
Species	Family	Order		status
Theridiosoma gemmosum	Theridiosomatidae	Araneae	Ray spider	NS
Paracorymbia fulva	Cerambycidae	Coleoptera	A longhorn beetle	RDB 3
Agelastica alni	Chrysomelidae	Coleoptera	Alder leaf beetle	DD;NR
Plateumaris rustica	Chrysomelidae	Coleoptera	A reed beetle	NS
Drupenatus nasturtii	Curculionidae	Coleoptera	A weevil	[Nb]
Gymnetron veronicae	Curculionidae	Coleoptera	A weevil	Nb
Gymnetron villosulum	Curculionidae	Coleoptera	A weevil	[Nb]
Elodes elongata	Scirtidae	Coleoptera	A marsh beetle	NS
Aquarius paludum	Gerridae	Hemiptera	Large Pondskater	NS

INTRODUCTION

The project brief was to provide baseline records for invertebrates across the site.

METHODOLOGY AND SITE VISITS

The main emphasis of the survey was to find as many rare and notable species as possible within the reviewed groups.

The site was visited specifically for invertebrate surveying on the following dates;- 23rd May, 1st, 11th & 31st July & 18th August 10th & 21st September 2019

Standard field techniques were employed to sample the invertebrate fauna across the site. These included sweeping vegetation with a wide mouthed sweep net, beating trees and bushes over a beating tray, and grubbing amongst tussocks and key host plant rosettes etc.

Because it is impracticable to survey all the potential invertebrates within any given site, only specific groups of species were examined during fieldwork. These groups are sufficiently well known as to allow meaningful comparisons to be made with other sites, both locally and nationally. They are also important as indicators of the quality of a site and the habitats present (see Brooks 1993).

Groups covered during the survey were:

- Mollusca (slugs and snails)
- Arachnida (spiders, harvestmen & pseudoscorpions)
- Isopoda (woodlice)
- Thysanura (bristletails)
- Ephemeroptera (mayflies)
- Odonata (dragonflies & damselflies)
- Plecoptera (stoneflies)
- Orthoptera (grasshoppers & crickets)
- Dictyoptera (cockroaches)
- Dermaptera (earwigs)
- Hemiptera-Heteroptera (true-bugs)
- Hemiptera-Homoptera (hoppers)
- Neuroptera (lace-wings)
- Mecoptera (scorpion-flies)
- Lepidoptera (butterflies & moths)
- Trichoptera (caddis flies)
- Diptera (true flies)
- Aculeate Hymenoptera (ants, bees & wasps)
- Coleoptera (beetles)

Measuring the quality of other invertebrate fauna

The invertebrate assemblages present at the site during the survey are assessed using Natural England's Invertebrate Species-habitat Information System (ISIS – 2010 version), as defined in Webb & Lott (2006) and Drake *et al.* (2007). Further developments for the programme are discussed in Lott (2008).

The system was developed for Common Standards Monitoring (CSM) on Sites of Special Scientific Interest (SSSI) but other applications are possible at a range of geographic scales. Lott (2008) describes the essence of ISIS as a database that can be used to recognise invertebrate assemblage types in species lists and evaluate their value for nature conservation.

RESULTS

A total of 364 species of invertebrate were recorded. A full species list with UK statuses is given in Appendix 1. Of these, twenty species have a conservation designation: These are summarised in Table 1. IUCN re-evaluated species have their IUCN criteria given followed by their current UK rarity status in brackets. Those species that have not yet been IUCN re-evaluated have their current statuses in square brackets. The definitions for these criteria are given in appendix 2.

Table 1. list of species with a conservation designation.

				Conservation
Species	Family	Order		status
Theridiosoma gemmosum	Theridiosomatidae	Araneae	Ray spider	NS
Paracorymbia fulva	Cerambycidae	Coleoptera	A longhorn beetle	RDB 3
Agelastica alni	Chrysomelidae	Coleoptera	Alder leaf beetle	DD;NR
Plateumaris rustica	Chrysomelidae	Coleoptera	A reed beetle	NS
Drupenatus nasturtii	Curculionidae	Coleoptera	A weevil	[Nb]
Elodes elongata	Scirtidae	Coleoptera	A marsh beetle	NS
Aquarius paludum	Gerridae	Hemiptera	Large Pondskater	NS

UKBAP / SPI (NERC S41) species:

Tyria jacobaeae - Cinnabar

SURVEY LIMITATIONS

The moth fauna is always under-represented when only diurnal surveys are employed. Light trapping surveys with 2-3 MV and actinic Robinson type traps would add hundreds of species of moth and additional night flying species (Ichneumonidae, Coleoptera etc.)

ECOLOGICAL ASSESSMENT

Rooksbury Mill continues to support a rich assemblage with excellent river margin habitats.

The excessive algal development in the main lake continues to be a blight on the reserve

REFERENCES

Brooks, S.J. 1993. Joint Committee for the Conservation of British Invertebrates: Guidelines for Invertebrate Surveys. British Wildlife 4(5) 283-287

Harvey, P.R., Nellist, D.R. & Telfer, M.G. (eds) 2002. Provisional Atlas of British Spiders (Arachnida, Araneae) Volumes 1 & 2. Huntingdon: BRC.

Hyman, P.S & Parsons, M.S. 1992. A review of the scarce and threatened Coleoptera of Great Britain. Part 1. JNCC, Peterborough.

Kirby, P. 1992. A review of the scarce and threatened Hemiptera of Great Britain. Peterborough, JNCC.

Merrit, P. 1990. A review of the Nationally Notable Spiders of Great Britain. Peterborough, NCC.

APPENDICES

Table 1. Species list 2019

			Conservation
Species	Family	Order	status
Aceria erinea	Eriophyidae	Prostigmata	common
Acilius sulcatus	Dytiscidae	Coleoptera	common
Adalia bipunctata	Coccinellidae	Coleoptera	common
Agabus bipustulatus	Dytiscidae	Coleoptera	common
Agabus didymus	Dytiscidae	Coleoptera	common
Agabus nebulosus	Dytiscidae	Coleoptera	common
Agabus paludosus	Dytiscidae	Coleoptera	common
Agelastica alni	Chrysomelidae	Coleoptera	DD;NR
Aglais io	Nymphalidae	Lepidoptera	common
Aglais urticae	Nymphalidae	Lepidoptera	common
Agonum fuliginosum	Carabidae	Coleoptera	common
Agriphila geniculea	Crambidae	Lepidoptera	common
Alboglossiphonia heteroclita	Glossiphoniidae	Rhynchobdellida	common
Alianta incana	Staphylinidae	Coleoptera	common
Alnetoidea alneti	Cicadellidae	Hemiptera	common
Altica lythri	Chrysomelidae	Coleoptera	common
Amalorrhynchus melanarius	Curculionidae	Coleoptera	common
Amaurobius fenestralis	Amaurobiidae	Araneae	common
Amblyteles armatorius	Ichneumonidae	Hymenoptera	common
Anacaena globulus	Hydrophilidae	Coleoptera	common
Anasimyia contracta	Syrphidae	Diptera	common
Anaspis fasciata	Scraptiidae	Coleoptera	common
Anaspis maculata	Scraptiidae	Coleoptera	common
Anaspis regimbarti	Scraptiidae	Coleoptera	common
Anax imperator	Aeshnidae	Odonata	common
Anisosticta novemdecimpunctata	Coccinellidae	Coleoptera	common
Anobium punctatum	Anobiidae	Coleoptera	common
Anthocharis cardamines	Pieridae	Lepidoptera	common
Anthocoris confusus	Anthocoridae	Hemiptera	common
Anthocoris limbatus	Anthocoridae	Hemiptera	common
Anthocoris nemoralis	Anthocoridae	Hemiptera	common
Anthonomus pedicularius	Curculionidae	Coleoptera	common
Anyphaena accentuata	Anyphaenidae	Araneae	common
Aphthona euphorbiae	Chrysomelidae	Coleoptera	common
Aphthona nonstriata	Chrysomelidae	Coleoptera	common
Apis mellifera	Apidae	Hymenoptera	common
Aquarius paludum	Gerridae	Hemiptera	NS
Araneus diadematus	Araneidae	Araneae	common
Araneus marmoreus var. pyramidatus	Araneidae	Araneae	local

Argidae Hymenoptera common Argyresthia pygmaeella Argyresthiidae Lepidoptera common Asellus (Asellus) aquaticus Asellidae Isopoda common Athalia rosae Tenthredinidae Hymenoptera common Atrecus affinis Staphylinidae Coleoptera common Bibio marci Bibionidae Diptera common Bithynia tentaculata Bithyniidae Littorinimorpha common Biepharidopterus angulatus Miridae Hemiptera common Bombus hypnorum Apidae Hymenoptera common Bombus lapidarius Apidae Hymenoptera common Bombus lucorum Apidae Hymenoptera common Bombus pascuorum Apidae Hymenoptera common Bombus pratorum Apidae Hymenoptera common Bombus pratorum Apidae Hymenoptera common Calameuta filiformis Cephidae Hymenoptera common Calameuta pallipes Cephidae Hymenoptera common Calameuta pallipes Cephidae Hymenoptera common Calameuta pallipes Cephidae Coleoptera common Calameuta pallipes Cephidae Coleoptera common Calameuta pallipes Calopterys plendens Calopterys plendens Calopterys plendens Calopterys plendens Calopterys common Cantharis cryptica Cantharidae Coleoptera common Cantharis decipiens Cantharidae Coleoptera common Cantharis lateralis Cantharidae Coleoptera common Cantharis rustica Cantharidae Coleoptera common
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Cantharis rustica Cantharidae Coleoptera common
Capsus ater Miridae Hemiotera common
Cartodere nodifer Latridiidae Coleoptera common
Cassida vibex Chrysomelidae Coleoptera common
Celastrina argiolus Lycaenidae Lepidoptera common
Cepaea (Cepaea) hortensis Helicidae Pulmonata common
Cepaea (Cepaea) nemoralis Helicidae Pulmonata common
Ceutorhynchus pallidactylus Curculionidae Coleoptera common
Ceutorhynchus pyrrhorhynchus Curculionidae Coleoptera common
Cheilosia albitarsis Syrphidae Diptera common
Cheilosia illustrata Syrphidae Diptera common
Chloromyia formosa Stratiomyidae Diptera common
Chorisops tibialis Stratiomyidae Diptera common
Chorthippus brunneus Acrididae Orthoptera common
Chrysolina herbacea Chrysomelidae Coleoptera common
Cicadula quadrinotata Cicadellidae Hemiptera common
Cionus alauda Curculionidae Coleoptera common
Cionus scrophulariae Curculionidae Coleoptera common
Cionus tuberculosus Curculionidae Coleoptera common
Cixius nervosus Cixiidae Hemiptera common
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Elmis aenea Elmidae Coleoptera common Elodes elongata Scirtidae Coleoptera NS	Elaphrus cupreus	Carabidae	Coleoptera	common
Elodes elongata Scirtidae Coleoptera NS	Eledona agricola	Tenebrionidae	Coleoptera	common
	Elmis aenea	Elmidae	Coleoptera	common
Empis livida Empididae Diptera common	Elodes elongata	Scirtidae	Coleoptera	NS
	Empis livida	Empididae	Diptera	common

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Galerucella calmariensis Chrysomelidae Coleoptera common Galerucella nymphaeae Chrysomelidae Coleoptera common Galerucella tenella Chrysomelidae Coleoptera common Gallinula chloropus Rallidae Gruiformes Common Gammarus lacustris Gammaridae Coleoptera common Gastrophysa viridula Chrysomelidae Coleoptera Common Gerris (Gerris) lacustris Gerridae Hemiptera common Gorepteryx rhamni Pieridae Gongylidium rufipes Limyphiidae Araneae common Gongylidium rufipes Limyphiidae Araneae common Gymnetron veronicae Curculionidae Coleoptera Common Gymnetron villosulum Curculionidae Coleoptera Common Gyrinus marinus Gyrinidae Coleoptera Common Gyrinus marinus Gyrinidae Coleoptera Common Gyrinus rufiator Gyrinidae Coleoptera Common Halesus digitatus Limnephilidae Trichoptera Common Haliplus flavicollis Halipidae Coleoptera Common Haliplus flavicollis Halipidae Coleoptera Common Haliplus flavicollis Halipidae Coleoptera Common	Forficula auricularia	Forficulidae	Dermaptera	common
Galerucella nymphaese Chrysomelidae Coleoptera common Galerucella tenella Chrysomelidae Coleoptera common Gallinula chloropus Rallidae Gruiformes common Gammarus lacustris Gammaridae Amphipoda common Gastrophysa viridula Chrysomelidae Coleoptera common Gerris (Gerris) lacustris Gerridae Hemiptera common Gibbaranea gibbosa Araneidae Araneae common Gonepteryx rhamni Pieridae Lepidoptera common Gongylidium rufipes Limyphiidae Araneae common Grammoptera ruficornis Cerambycidae Coleoptera common Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera (Nb) Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Halesus digitatus Limnephilidae Trichoptera common Halesus digitatus Limnephilidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common	Galba (Galba) truncatula	Lymnaeidae	Hygrophila	common
Galerucella tenella Chrysomelidae Coleoptera common Gallinula chloropus Rallidae Gruiformes common Gammarus lacustris Gammaridae Amphipoda common Gastrophysa viridula Chrysomelidae Coleoptera common Gerris (Gerris) lacustris Gerridae Hemiptera common Gibbaranea gibbosa Araneidae Araneae common Gonepteryx rhamni Pieridae Lepidoptera common Gongylidium rufipes Linyphiidae Araneae common Grammoptera ruficornis Cerambycidae Coleoptera common Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera (INb) Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Halesus digitatus Limnephilidae Trichoptera common Halesus digitatus Limnephilidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common Coleoptera Coleoptera common Coleoptera Co	Galerucella calmariensis	Chrysomelidae	Coleoptera	common
Gallinula chloropus Gammarus lacustris Gerridae Chrysomelidae Coleoptera common Gerris (Gerris) lacustris Gerridae Gerridae Araneae Common Gibbaranea gibbosa Araneidae Araneae Common Gonepteryx rhamni Pieridae Linyphiidae Araneae Common Gongylidium rufipes Linyphiidae Grammoptera ruficornis Cerambycidae Coleoptera Common Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera Common Gyrinus marinus Gyrinidae Gyrinidae Coleoptera Common Gyrinus substriatus Gyrinidae Coleoptera Common Gyrinus urinator Gyrinus urinator Halesus digitatus Limnephilidae Coleoptera Common Haliplus flavicollis Haliplidae Coleoptera Common	Galerucella nymphaeae	Chrysomelidae	Coleoptera	common
Gammarus lacustris Gammaridae Gastrophysa viridula Chrysomelidae Coleoptera Common Gerris (Gerris) lacustris Gerridae Hemiptera Common Gibbaranea gibbosa Araneidae Araneae Common Gonepteryx rhamni Pieridae Lepidoptera Common Gongylidium rufipes Linyphiidae Grammoptera ruficornis Cerambycidae Coleoptera Common Gymnetron veronicae Curculionidae Coleoptera Common Gymnetron villosulum Curculionidae Coleoptera Common Gymnocheta viridis Tachinidae Diptera Common Gyrinus marinus Gyrinidae Coleoptera Common Gyrinus substriatus Gyrinidae Coleoptera Common Gyrinus urinator Gyrinidae Coleoptera Common Halenatopota pluvialis Tabanidae Diptera Common Haliplus flavicollis Haliplidae Coleoptera Common Haliplus flavicollis Haliplidae Coleoptera Common Haliplus lineatocollis Haliplidae Coleoptera Common Haliplus lineatocollis	Galerucella tenella	Chrysomelidae	Coleoptera	common
Gastrophysa viridula Chrysomelidae Coleoptera common Gerris (Gerris) lacustris Gerridae Hemiptera common Gibbaranea gibbosa Araneidae Araneae common Gonepteryx rhamni Pieridae Lepidoptera common Gongylidium rufipes Linyphiidae Araneae common Grammoptera ruficornis Cerambycidae Coleoptera common Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron vilosulum Curculionidae Coleoptera [Nb] Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Halematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus lineatocollis	Gallinula chloropus	Rallidae	Gruiformes	common
Gerris (Gerris) lacustris Gibbaranea gibbosa Araneidae Araneae Common Gonepteryx rhamni Pieridae Lepidoptera Common Gongylidium rufipes Linyphiidae Araneae Common Grammoptera ruficornis Cerambycidae Coleoptera Common Gymnetron veronicae Curculionidae Coleoptera Common Gymnetron villosulum Curculionidae Coleoptera Common Gyrinus marinus Gyrinidae Coleoptera Common Gyrinus substriatus Gyrinidae Coleoptera Common Gyrinus urinator Gyrinidae Coleoptera Common Halematopota pluvialis Tabanidae Diptera Common Haliplus flavicollis Haliplidae Coleoptera Common	Gammarus lacustris	Gammaridae	Amphipoda	common
Gibbaranea gibbosa Araneidae Araneae common Gonepteryx rhamni Pieridae Lepidoptera common Gongylidium rufipes Linyphiidae Araneae common Grammoptera ruficornis Cerambycidae Coleoptera common Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera [Nb] Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Haliplus flavicollis Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common	Gastrophysa viridula	Chrysomelidae	Coleoptera	common
Gonepteryx rhamni Pieridae Lepidoptera common Gongylidium rufipes Linyphiidae Aranese common Grammoptera ruficornis Cerambycidae Coleoptera common Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera [Nb] Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Haliplus flavicollis Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common	Gerris (Gerris) lacustris	Gerridae	Hemiptera	common
Gongylidium rufipes Linyphiidae Araneae common Grammoptera ruficornis Cerambycidae Coleoptera common Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera [Nb] Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common	Gibbaranea gibbosa	Araneidae	Araneae	common
Grammoptera ruficornis Gymnetron veronicae Curculionidae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera [Nb] Gymnocheta viridis Tachinidae Coleoptera Common Gyrinus marinus Gyrinidae Coleoptera Common Gyrinus substriatus Gyrinidae Coleoptera Common Gyrinus urinator Gyrinidae Coleoptera Common Haematopota pluvialis Tabanidae Diptera Common Halesus digitatus Limnephilidae Trichoptera Common Haliplus flavicollis Haliplidae Coleoptera Common Haliplus fluviatilis Haliplidae Coleoptera Common Haliplus lineatocollis Haliplidae Coleoptera Common	Gonepteryx rhamni	Pieridae	Lepidoptera	common
Gymnetron veronicae Curculionidae Coleoptera Nb Gymnetron villosulum Curculionidae Coleoptera [Nb] Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Gongylidium rufipes	Linyphiidae	Araneae	common
Gymnetron villosulum Curculionidae Coleoptera [Nb] Gymnocheta viridis Tachinidae Diptera Common Gyrinus marinus Gyrinidae Gyrinidae Coleoptera Common Gyrinus substriatus Gyrinidae Coleoptera Common Gyrinus urinator Gyrinidae Coleoptera Common Haematopota pluvialis Tabanidae Diptera Common Halesus digitatus Limnephilidae Trichoptera Common Haliplus flavicollis Haliplidae Coleoptera Common Haliplus fluviatilis Haliplidae Coleoptera Common Coleoptera Common Common	Grammoptera ruficornis	Cerambycidae	Coleoptera	common
Gymnocheta viridis Tachinidae Diptera common Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Gymnetron veronicae	Curculionidae	Coleoptera	Nb
Gyrinus marinus Gyrinidae Coleoptera common Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Gymnetron villosulum	Curculionidae	Coleoptera	[Nb]
Gyrinus substriatus Gyrinidae Coleoptera common Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Gymnocheta viridis	Tachinidae	Diptera	common
Gyrinus urinator Gyrinidae Coleoptera common Haematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Gyrinus marinus	Gyrinidae	Coleoptera	common
Haematopota pluvialis Tabanidae Diptera common Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Gyrinus substriatus	Gyrinidae	Coleoptera	common
Halesus digitatus Limnephilidae Trichoptera common Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Gyrinus urinator	Gyrinidae	Coleoptera	common
Haliplus flavicollis Haliplidae Coleoptera common Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Haematopota pluvialis	Tabanidae	Diptera	common
Haliplus fluviatilis Haliplidae Coleoptera common Haliplus lineatocollis Haliplidae Coleoptera common	Halesus digitatus	Limnephilidae	Trichoptera	common
Haliplus lineatocollis Haliplidae Coleoptera common	Haliplus flavicollis	Haliplidae	Coleoptera	common
	Haliplus fluviatilis	Haliplidae	Coleoptera	common
Harmonia axyridis Coccinellidae Coleoptera common	Haliplus lineatocollis	Haliplidae	Coleoptera	common
	Harmonia axyridis	Coccinellidae	Coleoptera	common
Harpactea hombergi Dysderidae Araneae common	Harpactea hombergi	Dysderidae	Araneae	common

Helobdella stagnalis	Glossiphoniidae	Rhynchobdellida	common
Helophilus pendulus	Syrphidae	Diptera	common
Helophorus aequalis	Hydrophilidae	Coleoptera	common
Helophorus brevipalpis	Hydrophilidae	Coleoptera	common
Heterogaster urticae	Lygaeidae	Hemiptera	common
Himacerus (Aptus) mirmicoides	Nabidae	Hemiptera	common
Hydrobius fuscipes	Hydrophilidae	Coleoptera	common
Hydroporus palustris	Dytiscidae	Coleoptera	common
Hydroporus planus	Dytiscidae	Coleoptera	common
Hydroporus tessellatus	Dytiscidae	Coleoptera	common
Hygromia (Hygromia) cinctella	Hygromiidae	Pulmonata	common
Hygronoma dimidiata	Staphylinidae	Coleoptera	common
Hygrotus inaequalis	Dytiscidae	Coleoptera	common
Hylyphantes graminicola	Linyphiidae	Aranese	common
Hypomma bituberculatum	Linyphiidae	Aranese	common
llybius fenestratus	Dytiscidae	Coleoptera	common
llybius fuliginosus	Dytiscidae	Coleoptera	common
Ischnodemus sabuleti	Lygaeidae	Hemiptera	common
Ischnura elegans	Coenagrionidae	Odonata	common
Isoperla grammatica	Periodidae	Plecoptera	common
Iteomyia major	Cecidomyiidae	Diptera	common
Javesella obscurella	Delphacidae	Hemiptera	common
Kaestneria pullata	Linyphiidae	Araneae	common
Kateretes pusillus	Kateretidae	Coleoptera	common
Laccobius bipunctatus	Hydrophilidae	Coleoptera	common
Laccobius minutus	Hydrophilidae	Coleoptera	common
Laccophilus minutus	Dytiscidae	Coleoptera	common
Laetiporus sulphureus	Fomitopsidaceae	Polyporales	common
Larinioides cornutus	Araneidae	Araneae	common
Lasius niger	Formicidae	Hymenoptera	common
Lasius platythorax	Formicidae	Hymenoptera	common
Lathys humilis	Dictynidae	Araneae	common
Leiobunum rotundum	Phalangiidae	Opiliones	common
Lejogaster metallina	Syrphidae	Diptera	local
Leptopterna dolabrata	Miridae	Hemiptera	common
Libellula depressa	Libellulidae	Odonata	common
Limacus flavus	Limacidae	Pulmonata	common
Limax maximus	Limacidae	Pulmonata	common
Limnia paludicola	Sciomyzidae	Diptera	common
Linyphia triangularis	Linyphiidae	Araneae	common
Liocoris tripustulatus	Miridae	Hemiptera	common
Lochmaea caprea	Chrysomelidae	Coleoptera	common
Lochmaea crataegi	Chrysomelidae	Coleoptera	common
Longitarsus dorsalis	Chrysomelidae	Coleoptera	common
Longitarsus rubiginosus	Chrysomelidae	Coleoptera	common

Lucilia sericata	Calliphoridae	Diptera	common
Lymnaea stagnalis	Lymnaeidae	Hygrophila	common
Macrophya annulata	Tenthredinidae	Hymenoptera	common
Macrophya ribis	Tenthredinidae	Hymenoptera	common
Malachius bioustulatus	Malachiidae	Coleoptera	common
Maniola jurtina	Nymphalidae	Lepidoptera	common
Megamelodes quadrimaculatus	Delphacidae	Hemiptera	local
Meligethes aeneus	Nitidulidae	Coleoptera	common
Merodon equestris	Syrphidae	Diptera	common
Metellina mengei	Tetragnathidae	Araneae	common
Metellina segmentata	Tetragnathidae	Araneae	common
Micaria pulicaria	Gnaphosidae	Araneae	common
Microlinyphia impigra	Linyphiidae	Araneae	common
Micromus variegatus	Hemerobiidae	Neuroptera	common
Microvelia (Microvelia) reticulata	Veliidae	Hemiptera	common
Misumena vatia	Thomisidae	Araneae	common
Monacha (Monacha) cantiana	Hygromiidae	Pulmonata	common
Myathropa florea	Syrphidae	Diptera	common
Myrmica ruginodis	Formicidae	Hymenoptera	common
Mystacides longicornis	Leptoceridae	Trichoptera	common
Nebrioporus elegans	Dytiscidae	Coleoptera	common
Nedyus quadrimaculatus	Curculionidae	Coleoptera	common
Nemotelus pantherinus	Stratiomyidae	Diptera	common
Nemoura cinerea	Nemouridae	Plecoptera	common
Nemurella pictetii	Nemouridae	Plecoptera	common
Neoascia geniculata	Syrphidae	Diptera	common
Neoascia tenur	Syrphidae	Diptera	common
Neocoenorrhinus aequatus	Rhynchitidae	Coleoptera	common
Noterus clavicornis	Noteridae	Coleoptera	common
Notonecta glauca	Notonectidae	Hemiptera	common
Notonecta viridis	Notonectidae	Hemiptera	common
Nyctia halterata	Sarcophagidae	Diptera	common
Ochina ptinoides	Anobiidae	Coleoptera	common
Ochlodes sylvanus	Hesperiidae	Lepidoptera	common
Ochthebius minimus	Hydraenidae	Coleoptera	common
Oedemera lurida	Oedemeridae	Coleoptera	common
Oedemera nobilis	Oedemeridae	Coleoptera	common
Oligia fasciuncula	Noctuidae	Lepidoptera	common
Opilio parietinus	Phalangiidae	Opiliones	common
Opilio parietinus	Phalangiidae	Opiliones	common
Orchesella cincta	Entomobryidae	Collembola	common
Orius (Heterorius) laticollis	Anthocoridae	Hemiptera	common
Orthops (Orthops) campestris	Miridae	Hemiptera	common
Oxyloma (Oxyloma) elegans	Succineidae	Pulmonata	common
Pachygaster atra	Stratiomyidae	Diptera	common

Pachygnatha clercki	Tetragnathidae	Araneae	common
Paederus littoralis	Staphylinidae	Coleoptera	common
Paederus riparius	Staphylinidae	Coleoptera	common
Paidiscura pallens	Theridiidae	Araneae	common
Palomena prasina	Pentatomidae	Hemiptera	common
Panorpa germanica	Panorpidae	Mecoptera	common
Pantilius (Pantilius) tunicatus	Miridae	Hemiptera	local
Paracorymbia fulva	Cerambycidae	Coleoptera	RDB 3
Paradromius linearis	Carabidae	Coleoptera	common
Pararge segeria	Nymphalidae	Lepidoptera	common
Pardosa amentata	Lycosidae	Araneae	common
Pardosa saltans	Lycosidae	Araneae	common
Pegomya solennis	Anthomyiidae	Diptera	common
Peponocranium Iudicrum	Linyphiidae	Araneae	common
Phaedon armoraciae	Chrysomelidae	Coleoptera	common
Phaedon cochleariae	Chrysomelidae	Coleoptera	common
Pherbellia schoenherri	Sciomyzidae	Diptera	common
Philaenus spumarius	Aphrophoridae	Hemiptera	common
Philodromus dispar	Philodromidae	Araneae	common
Pholcomma gibbum	Theridiidae	Araneae	common
Pholidoptera griseoaptera	Tettigoniidae	Orthoptera	common
Phratora vulgatissima	Chrysomelidae	Coleoptera	common
Phyllobius pyri	Curculionidae	Coleoptera	common
Phyllobius roboretanus	Curculionidae	Coleoptera	common
Phyllobius virideaeris	Curculionidae	Coleoptera	common
Phylloneta sisyphia	Theridiidae	Aranese	common
Phyllopertha horticola	Rutelidae	Coleoptera	common
Physa fontinalis	Physidae	Hygrophila	common
Phytomyza ilicis	Agromyzidae	Diptera	common
Pieris brassicae	Pieridae	Lepidoptera	common
Pieris rapae	Pieridae	Lepidoptera	common
Pinalitus cervinus	Miridae	Hemiptera	common
Pirata piraticus	Lycosidae	Araneae	common
Pisaura mirabilis	Pisauridae	Araneae	common
Piscicola geometra	Piscicolidae	Rhynchobdellida	common
Planorbis carinatus	Planorbidae	Hygrophila	common
Planorbis planorbis	Planorbidae	Hygrophila	common
Plateumaris rustica	Chrysomelidae	Coleoptera	NS
Platycheirus albimanus	Syrphidae	Diptera	common
Platycheirus rosarum	Syrphidae	Diptera	common
Platystethus arenarius	Staphylinidae	Coleoptera	common
Podops inuncta	Pentatomidae	Hemiptera	common
Pogonocherus hispidus	Cerambycidae	Coleoptera	common
Poophagus sisymbrii	Curculionidae	Coleoptera	common
Prasocuris junci	Chrysomelidae	Coleoptera	common

Propylea quattuordecimpunctata	Coccinellidae	Coleoptera	common
Psammoecus bipunctatus	Silvanidae	Coleoptera	common
Psyche casta	Psychidae	Lepidoptera	common
Psylla alni sensu stricto	Psyllidae	Hemiptera	common
Psylliodes affinis	Chrysomelidae	Coleoptera	common
Psylliodes chrysocephala	Chrysomelidae	Coleoptera	common
Psylliodes dulcamarae	Chrysomelidae	Coleoptera	common
Ptilinus pectinicornis	Anobiidae	Coleoptera	common
Ptychoptera contaminata	Ptychopteridae	Diptera	common
Pyrausta aurata	Crambidae	Lepidoptera	common
Pyrrhosoma nymphula	Coenagrionidae	Odonata	common
Radix balthica	Lymnaeidae	Hygrophila	common
Rhagonycha fulva	Cantharidae	Coleoptera	common
Rhagonycha lignosa	Cantharidae	Coleoptera	common
Rhinonous pericarpius	Curculionidae	Coleoptera	common
Rhizomnium punctatum	Cinclidiaceae	Bryales	common
Rhogogaster viridis	Tenthredinidae	Hymenoptera	common
Rhyzobius litura	Coccinellidae	Coleoptera	common
Robertus lividus	Theridiidae	Araneae	common
Rutpela maculata	Cerambycidae	Coleoptera	common
Salpingus planirostris	Salpingidae	Coleoptera	common
Salticus scenicus	Salticidae	Araneae	common
Scathophaga stercoraria	Scathophagidae	Diptera	common
Scolopostethus thomsoni	Lygaeidae	Hemiptera	common
Sepedophilus littoreus	Staphylinidae	Coleoptera	common
Sesia bembeciformis	Sesiidae	Lepidoptera	common
Sialis lutaria	Sialidae	Megaloptera	common
Sicus ferrugineus	Conopidae	Diptera	common
Sigara (Subsigara) fossarum	Corixidae	Hemiptera	common
Sisyra nigra	Sisyridae	Neuroptera	common
Sitona lineatus	Curculionidae	Coleoptera	common
Sphaeridium scarabaeoides	Hydrophilidae	Coleoptera	common
Stenus canescens	Staphylinidae	Coleoptera	Nb
Stenus latifrons	Staphylinidae	Coleoptera	common
Stigmella aurella	Nepticulidae	Lepidoptera	common
Stratiomys potamida	Stratiomyidae	Diptera	common
Succinea putris	Succineidae	Pulmonata	common
Synanthedon bembeciformis	Sesidae	Lepidoptera	common
Tachina fera	Tachinidae	Diptera	common
Tachyporus chrysomelinus	Staphylinidae	Coleoptera	common
Telmatophilus caricis	Cryptophagidae	Coleoptera	common
Telmatophilus typhae	Cryptophagidae	Coleoptera	common
Tetanocera arrogans	Sciomyzidae	Diptera	common
Tetanocera ferruginea	Sciomyzidae	Diptera	common

Tetragnatha extensa	Tetragnathidae	Araneae	common
Tetragnatha montana	Tetragnathidae	Araneae	common
Theridiosoma gemmosum	Theridiosomatidae	Araneae	NS
Thryogenes nereis	Erirhinidae	Coleoptera	common
Tibellus oblongus	Philodromidae	Araneae	common
Trioza urticae	Triozidae	Hemiptera	common
Tytthaspis sedecimpunctata	Coccinellidae	Coleoptera	common
Valvata piscinalis	Valvatidae	Pulmonata	common
Velia caprai	Veliidae	Hemiptera	common
Vespula vulgaris	Vespidae	Hymenoptera	common
Volucella bombylans	Syrphidae	Diptera	common

Appendix 2. Status categories for rare and Notable species

Red Data Book Category 1 (RDB 1) - Endangered

Definition.

Taxa in danger of extinction in Great Britain and whose survival is unlikely if the causal factors continue operating.

Included are those taxa whose numbers have been reduced to a critical level or whose habitats have been so dramatically reduced that they are deemed to be in immediate danger of extinction. Also included are some taxa that are possibly extinct.

Criteria.

Species which are known or believed to occur as only a single population within one 10 km square of the National Grid.

Species which only occur in habitats known to be especially vulnerable.

Species which have shown a rapid or continuous decline over the last twenty years and are now estimated to exist in five or fewer 10 km squares.

Species which are possibly extinct but have been recorded this century and if rediscovered would need protection.

Red Data Book Category 2 (RDB 2) - Vulnerable

Definition.

Taxa believed likely to move into the endangered category in the near future if the causal factors continue operating.

Included are taxa of which most or all of the populations are decreasing because of overexploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously depleted and whose ultimate security is not yet assured; and taxa with populations that are still abundant but are under threat from serious adverse factors throughout their range.

Criteria.

Species declining throughout their range.

Species in vulnerable habitats.

Red Data Book Category 3 (RDB 3) - Rare

Definition.

Taxa with small populations in Great Britain that are not at present endangered or vulnerable, but are at risk.

These taxa are usually localised within restricted geographical areas or habitats or are thinly scattered over a more extensive range.

Criterion.

Species which are estimated to exist in only fifteen or fewer 10 km squares. This criterion may be relaxed where populations are likely to exist in over fifteen 10 km squares but occupy small areas of especially vulnerable habitat

Nationally Scarce Category A - Notable A (Na)

Definition.

Taxa which do not fall within RDB categories but which are none-the-less uncommon in Great Britain and are thought to occur in 30 or fewer 10 km squares of the National Grid or, for less well recorded groups, within seven or fewer vice-counties.

Nationally Scarce Category B - Notable B (Nb)

Definition

Taxa which do not fall within RDB categories but which are none-the-less uncommon in Great Britain and are thought to occur in between 31 and 100 10 km squares of the National Grid or, for less well recorded groups, within eight and twenty vice-counties.

Nationally Scarce - Notable (N)

Definition.

Taxa which do not fall within RDB categories but which are none-the-less uncommon in Great Britain and are thought to occur in between 16 to 100 10 km squares of the National Grid. Species within this category are often too poorly known for their status to be more precisely estimated.

Summary of the IUCN categories and criteria.

GB Rarity Status categories and criteria

Nationally Rare (NR)

Native species which have not been recorded from more than 15 British hectads since 31st December 1979 and where there is reasonable confidence that exhaustive recording would not find them in more than 15 hectads. This category includes species which are probably extinct.

Nationally Scarce (NS)

Native species which are not regarded as Nationally Rare AND which have not been recorded from more than 100 British hectads since 31st December 1979 and where there is reasonable confidence that exhaustive recording would not find them in more than 100 hectads.

Other species status terminology.

- Local. Species that are restricted in distribution either geographically or by habitat. Also used
 for species that are widespread but infrequently encountered, e.g. encountered in no more
 than 300 10km squares of the national Ordnance Survey grid since 1970. Or those species
 listed as such, based upon modern geographical data, by ISIS (2010) and/or relevant recording
 schemes.
- Common. Generally widespread throughout the UK.

MILL LAKE, ANDOVER

Water Assessment and Management



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This report concerns Mill Lake, which forms part of the Rooksbury Mill, Local Nature Reserve, Andover, Grid Reference SU35599 44607. The lake is approximately 2.1ha (5acres), with an inlet on the north bank from the River Anton and outlet on the south west side of the lake. The lake has a mixed coarse fish population but is lightly stocked, with a limited amount of angling permitted. The lake is overwhelmed with fibrous blanket weed, some of which has been removed using a weed cutting boat, but the water surface has large areas of the nuisance algae. Barley straw has also been used to control the blanket weed growth, but the volume of weed has exceeded the capacity of the straw to affect it.

Water analysis

The water chemistry on the lake was assessed using electronic meters for dissolved oxygen, conductivity, total dissolved solids, pH and temperature, a Palintest 7100 photometer was used for chemical assay the results are given in Table 1.

Table 1. Water Analysis, Mill Lake

	Inlet	Outlet
Colour	Clear	Clear
рН	7.1	7.06
Total Ammonia (mg per litre as N)	0.01	0.05
Ammonia as NH ³ (mg per litre)	0.01	0.06
Ammonia as NH ⁴ (mg per litre)	0.01	0.06
Nitrite (mg per litre as N)	0.046	0.058
Nitrite as NO ₂ (mg per litre)	0.151	0.191
Nitrate (mg per litre as N)	10.38	8.76
Nitrate as NO ₃ (mg per litre)	45.98	38.8
Phosphate (mg per litre as P)	0.15	0.08
Phosphate as PO ₄ (mg per litre)	0.44	0.24
Total Alkalinity (as calcium carbonate mg per litre)	277	286
Total Alkalinity HCO ₃	338	349
Total Alkalinity CO3-	166	172
Redox (mV)	197	103
Total Dissolved Solids (g per litre)	0.26	0.26
Conductivity (mS)	0.52	0.52

Comments

The main area of concern is the nutrient content of the lake, comprising the nitrogen (nitrite and nitrate) and phosphate content which are causing the water to become eutrophic (nutrient enriched). Using a Trophic State Index, the water in Mill Lake falls

into the category of poor based on the nitrogen and phosphorous content. It is the concentration of these nutrients in the water which are promoting the growth of the nuisance *Cladophora* sp. (blanket weed).

In addition to the *Cladophora*, the dominant phytoplankton was the diatom *Synedra* sp., with small numbers of the Cyanobacteria (blue-green algae), *Lyngbya* sp. and some motile green algae, *Chlamydomonas* sp. The *Lyngbya* sp. was present in very low numbers, less than 10 per ml of water, which does not represent a health hazard, numbers in excess of 20,000 per ml are regarded as serious. I should also add that it is possible to find representative species of Cyanobacteria in most lakes in England.

Cladophora thrives in eutrophic waters, forming the extensive mats which are plaguing Mill Lake, which as they decay cause the water to become anoxic, affecting all freshwater life. This nuisance algae responds rapidly to changes in day length and as soon as the day length noticeably increases in late January, early February, it will start growing again. Although cutting the Cladophora is the best current means of control, the algae will grow from any fragments left in the water, which potentially causes the weed to proliferate.

Recommendations

1) Barley straw – In the presence of oxygen, the microbial decomposition of barley straw releases hydrogen peroxide, termed 'algae inhibiting factor', kills the algae. The application of barley straw is roughly 50g per square metre of water surface, ideally loosely packing the barley straw into Christmas tree netting or rafts (Figure 1). At temperatures of 10°C and below the barley straw will take about 6 – 8 weeks to release the algae inhibiting factor, at temperatures approaching 20°C the barley straw becomes effective within 2 – 3 weeks, with inhibition of algae lasting about 4 – 6 weeks depending on temperature. Ideally, the barley straw needs to be placed on the lake in late winter, January to February to inhibit the growth of the blanket weed. The best use of barley straw is to create a rolling programmes so that new batches of barley straw are added to the lake before the existing barley straw ceases production of the inhibiting factor. Always remove the expired barley straw as this also becomes subject to decomposition, becoming a further source of nitrogen in the water.

It may be worth creating a single line of barley straw sausages, crossing the lake from shore to shore rather than using circles and possibly rather than a line of sausages a couple of rafts at the inlet.

Rather than using plastic bottles, which are a little unsightly it may be better to using fishing net floats, which can be tied to the barley straw sausages or rafts. The following can supply the floats and the price to give you an idea, as you can see there is variation in price, associated with the weight of the float, but worth an internet search:

www.collins.co.uk floats 0.36p each

www.advancednetting.co.uk 0.24p each

www.qaelforcemarine.co.uk 0.64p each

www.coastalnets.co.uk £6.50 per 10



Figure 1. Barley straw raft

2) Planting – Planting is the key to controlling nuisance algae as this is the best means of removing nutrients from the lake. It would be worth planting reeds, possibly common reed (*Phragmites australis*) om either side of the inlet of the River Anton into the lake. The reeds are extremely good at extracting nutrients and any potential pollutants from the water, as it enters the lake. Common reed can be very invasive and needs to be kept under control, I would certainly advocate cutting back the dead stems and flower

heads annually in the autumn. Planting the margins will also help to compete with the algae for available nutrients, fool's watercress *Apium nodiflorum* is a good marginal plant, grows early in the year, competing with the algae and produces white flowers for the insect life. There are already marginal plants on the lake and cuttings of these could be transplanted around the lake shores, this is best undertaken in the spring as the water is warming and allows the plants the summer months to become fully established.

- 3) Dead heading All dead plant leaves, flowers and stems which drop into the water also add to the nitrogen and phosphate concentration, which dead heading can reduce but I'm not sure how much impact that might have on terrestrial insect life.
- 4) Siltex® Siltex® is a champagne chalk and is excellent for controlling nuisance Cladophora, breaking down the organic deposits in the lake and effectively reducing the available nutrients. The use of Siltex® will often promote the growth of the macrophytes on the lake. The application rate is 1 tonne per 0.4ha (1acre), usually it is applied off a boat, to allow the propeller to mix it into the water, Kingcombe Aquacare would be able to undertake the work. The application of Siltex® may be piecemeal over a few years and it may be that treating just part of the lake adjacent to the inlet will have a significant impact on the growth of the Cladophora. Treatment is usually undertaken in the autumn or winter, as there is the possibility that as the Siltex® breaks down the organic material it can impact on the dissolved oxygen. The autumn winter are better as oxygen is more soluble in cold water. As a guide, one company charge £252 per tonne of Siltex® including delivery, however Kingcombe Aquacare may have a different source of champagne chalk other than the branded product.
- 5) Phoslock® Phoslock® is an extremely effective product for stripping the water of phosphorous and controlling nuisance algae. The phosphorous is chemically locked into the sediment and therefore the algae are unable to grow, macrophytes are unaffected because the root system takes the nutrients from the sediment. It has been successfully used for natural swimming lakes and for treating the Serpentine in 2012 for the triathlon in the Olympic Games. While it sounds like the dream product, it is astronomically expensive.
- 5) Combination approach although I have identified several methods of controlling the proliferation of *Cladophora* the best method is a combination. Even if you opt for

using Siltex®, it would be worth combining this with the use of barley straw, especially if the Siltex® is used to treat the lake piecemeal.

Finally, there is no such thing as a quick fix when it comes to the aquatic environment and whatever remedial action is undertaken, it may take several years before the best result is achieved, it may take a few years to finally achieve eradication of the *Cladophora*.

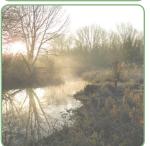
APPENDIX III

Parks & Countryside Event Guide 2022

















Anton Lakes LNR, Andover Grid reference: SU357466

throughout the summer months and of wild flowers. Many birds can also be found on the lakes and streams ncluding kingfishers and water rail water meadows. Cattle now graze mosaic of habitats, including chalk help to support the diverse range grassland, watercress beds and ake, river and meadows around Anton Lakes were formed as a of the River Anton. The springs, result of gravel extraction. The lake outflow is the headwaters the edge of the site provide a



Grid reference: SU369445 Ladies Walk, Andover

vertebrates such as common lizards Ladies Walk which boarders the site and slow worms. The meadows are improve their sward structure. The grazed throughout the summer to steep north facing meadows. The chalk grassland on site supports a diverse array of butterflies and comprises of three moderately other invertebrates, as well as Located on the south eastern edge of Andover, Ladies Walk dates back to 1785



Thank you to everyone who has volunteered throughout 2021 to help maintain and enhance our green spaces.

families, are always welcome New volunteers, including to help with the on-going programme of events.

Rooksbury Mill LNR, Andover Grid reference: SU356443

Rooksbury Mill, also formed through gravel plays host to a variety of wildlife including nabitats provide a rich diversity of wildlife extraction and once a trout fishery, now mosaic of chalk grassland and riparian otters, water voles and kingfishers. Its

Harewood Common, Andover Grid reference: SU357466

habitat for insects, birds and bats to thrive the summer months. This creates an ideal the ancient woodland of Harewood Forest Comprising of nearly 10 hectares of chalk wildlife and provides a refreshing contrast agricultural field, the common backs onto grassland, Harewood Common is rich in to the nearby Urban Park. Originally an and is managed through grazing during

Ox Drove Meadow, Andover Grid reference: SU357466

robust hedgerow around its boundary which is important for the sites' inhabitants which include a wide variety of birds and insects encompasses the site. New trees planted around the site are helping to establish a of chalk grassland, Ox Drove Meadow is made up of a gently sloping path which Comprising of just over three hectares as well as the Hazel Dormouse which makes the site its home.

fest Valley Parks and Countryside Team

The team work to maintain and develop the borough's green spaces which include countryside sites, Nature Reserves, parks and cemeteries.

Please contact the countryside officers in advance for more

Further information is available on www.testvalley.gov.uk

368000, or email community&leisure@testvalley.gov.uk Or contact the the Countryside Officers on 01264

Local Conservation Groups

The Anton River Conservation

Association (TARCA)

of the River Anton Enhancement Scheme. For more information contact: antonriver@live.com or A local volunteer group working along the River Anton Catchment in Andover. Established as part visit: www.antonriver-conservation.org.uk

Parks and Countryside

Events and Activities 2022







www.testvalley.gov.uk



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North Test Valley

Sun 4 Dec	Sat 19 Nov	Sun 6 Nov	Sat 22 Oct	Sun 9 Oct	Sat 24 Sep	Fri 9 Sep	Sat 3 Sep	Sun 7 Aug	Sat 23 Jul	Sat 25 Jun	Sat 21 May	Sun 8 May	Sat 23 Apr	Sun 3 Apr	Sat 19 Mar	Sun 6 Mar	Sun 20 Feb	Sat 5 Feb	Sun 23 Jan	Sat 8 Jan	Date
10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	7:15 pm- 8:30pm	7:45 pm- 9pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am- 2pm	10am – 2pm	10am – 2pm	Time
Winter tasks	Winter tasks	Woody debris mattress creation	River bank cutting	Orchard day	Bat walk	Bat walk	20th Anniversary Wood fair	Non-native species removal	Ragwort pull	Bioblitz	Big litter pick river Anton	River Clean and site maintenance	Big litter pick	River Clean and site maintenance	Big Litter Pick	Tree Guard Removal	Ditch/pond clearance	Watercress bed maintenance	Tree planting	Sycamore coppicing/ Tree guard Removal	Task
Rooksbury Mill LNR	Rooksbury Mill LNR	Anton Lakes LNR	Behind Asda store	Rooksbury mill LNR	Ox Drove meadow	Anton Lakes LNR	Valley park	Rooksbury mill LNR	Swatton Field	Rooksbury mill LNR	ASDA area	Anton lakes LNR	Wickes Meadow	Rooksbury Mill LNR	Anton Lakes LNR	Harewood Common	Anton Lakes LNR	Anton Lakes LNR	Ox Drove Meadow	Ox Drove Meadow	Venue
Car park	Car park	Car park	Car park behind ASDA	Car park	Lockbridge road play sea car park	Car park	Knightwood leisure centre	Car park	Charlton sports, gravel car park	Car park	Car park behind ASDA	Car park	Car park (behind Wickes)	Car park	Car park	Car park at SP11 6TH	Car park	Car park	Lockbridge road play area car park	Lockbridge road play area car park	Meeting Place

Important Note

The practical tasks that we carry out on our Green Spaces and Nature Reserves can be strenuous, tiring and involve the use of hand tools that some people may find challenging. Please inform the co-ordinator leading the event if you have any medical conditions or concerns that could be a danger to yourself or other volunteers working around you. We reserve the right to restrict your level of participation in certain circumstances. All children under the age of 16 must be accompanied by a responsible adult.

APPENDIX IV

River Anton Enhancement Strategy Action Plan

2017 - 2027















River Anton Enhancement Strategy Action Plan 2017 – 2027

Strate	Strategic Priority – Ecological survey and monitoring along the Anton corridor / Information gathering									
Ref	Action	Justification	Lead Partner	Compartment /	Measure	Deadline				
				Zone						
1a	Continue annual	Support	TVBC/TARCA	Zone 1-6	Dataset	2026				
	bat survey from	volunteers			updated					
	Charlton to	previously			annually					
	Rooksbury Mill	trained, provide			1 zone					
	LNR	training for new			surveyed					
		volunteers			annually on					
					rotation					
1b	Continue annual	Support	TVBC/TARCA	Zone 1-6	Dataset	2026				
	water vole	volunteers			updated					
	survey from	previously			annually. 1					
	Charlton to	trained, provide			zone surveyed					
	Rooksbury Mill	training for new			annually on					
	LNR	volunteers			rotation					
1c	Expand use of	Provide training	TVBC/TARCA		Establish	2017				
	Living record for	for volunteers			dataset					
	data entry	where			through living					
		necessary.			record					
1d	Continue annual	Support	TVBC/TARCA	Zone 1-6	Dataset	2026				
	mink survey for	volunteers			updated					
	Charlton to	previously			annually. All					
	Rooksbury Mill	trained, provide			zones					
	LNR	training for new			surveyed					
		volunteers			annually.					

River Anton Enhancement Strategy Action Plan 2017 – 2027

Strate	egic Priority 2 – To io	dentify ways in which	th the river and	its biodiversity can	be enhanced	
Ref	Action	Justification	Lead Partner	Compartment / Zone	Measure	Deadline
2a	Investigate land	To mitigate	TVBC	Zones 1-6	Land acquired	Ongoing
	acquisition to	recent habitat			at strategic	but
	improve habitat	loss in the			locations	currently
	and access to	catchment				no sites
	the river					identified
	corridor					
2b	Work with	Improve linkage	TVBC	Compartment 4	Complete	2018
	Anchor at	to habitat up			work	
	Carters	stream involve				
	Meadow to	volunteers and				
	improve	student groups				
	management of					
	river corridor					
2C	Work with	Improvement to	All	Compartment 8	Complete	2021
	Lloyds to carry	bankside and in			work	
	out river	channel habitats				
	enhancements					
2d	Work with	Improvements	All	Compartment 9	Complete	2021
	Andover College	to light levels			work	
	alongside	and access to				
	redevelopment	river				
	of Old					
	Magistrates					
	Court to					
	enhance river					
	habitat	_				
2e	In channel	Improve access	TVBC/EA	Compartment	Complete	2018
	works Andover	to river and		10	work	
	Town Centre	habitat linkage			lata	2010
2f	Asist TARCA in	Improve fish	TVBC/TARCA	Compartment	Complete	2018
	creation of fish	passage	/EA	10	work	
	easement round					
	Town Mill	Barranal of	F4		Complete	2025
2g	Removal of weir	Removal of	EA	Compartment 9	Complete	2026
	at Stannah and	water		and 12	work	
	Pocket Park	impoundment				
		and free fish movement				
26	Massinel		Turno/s t	Commontered	Deninet	2024
2h	Marginal	Opportunities to	TVBC/EA	Compartment 3	Project	2021
	habitat	improve water			completion	
	enhancement at Charlton Lakes	quality.				
	Chariton Lakes					

River Anton Enhancement Strategy Action Plan 2017 - 2027

	Strategic Priority 3 – Education and awareness to public participation and develop public ownership of the scheme									
Ref	Action	Justification	Lead Partner	Compartment / Zone	Measure	Deadline				
3a	Submit regular articles for publishing	Raise awareness of the importance of the river and the work of the partnership	All	All	1 release per 6 month					
3b	Use social media to promote works	To encourage greater awareness	ALL	All	Ongoing					
3c	Introduce trout in schools/mayfly in schools programme	Encourage awareness and tie in to ongoing site schools programmes	TVBC/TICP	All	Increased school participation annually	2026				

Strategic Priority 4 – Coordinate improvements to existing access along the River Anton								
Ref	Action	Justification	Lead Partner	Compartment /	Measure	Deadline		
				Zone				
4a	Continue to promote the River Anton Way	Encourage awareness. Tie in with health walk scheme	TVBC	All	TBC			
4b	Bench installation	Increase opportunities to view or sit along the river	TVBC	All	3 Benches to be installed	2018		

APPENDIX V EDUCATIONAL VISITOR GUIDE















Rooksbury Mill Local Nature Reserve Educational Visitor Guide and Activity Sheets Habitats Landscapes Plant and Animal Lifecycles

Copies can be viewed at:

https://www.testvalley.gov.uk/communityandleisure/ naturereserves/free-activity-visit-schools-test-valley-nature-res

Some comments from the Schools Nature Reserve Visit 2019

"The children really enjoyed the visit. Thank you for making it so enjoyable for them. We did some work on pond dipping and understanding of the journey of a river before our visit. We plan to follow up with work around habitats on our return to school."

"Before our visit we did some work on animal classification and will continue this upon our return."

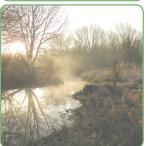
"A fantastic half day with patient and engaging leaders. It is great to visit sites in the local area that the children may visit with their family and give them a better insight into the nature and care need to support these places. Thank you for organising these events."

APPENDIX VI ANNUAL FISHING QUESTIONNAIRE









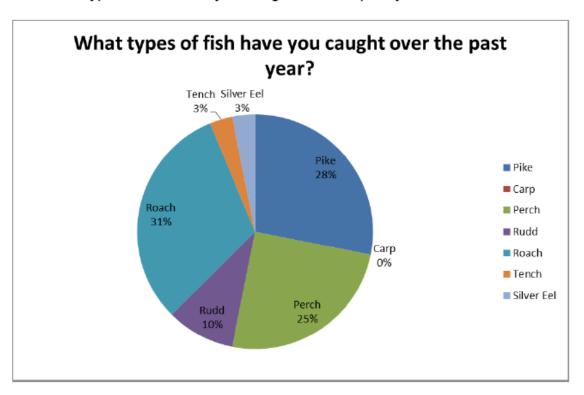




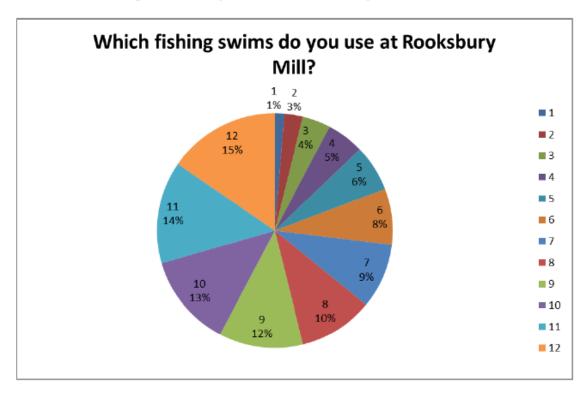


Rooksbury Mill Fishing Questionnaire Results 2018

Q1. What types of fish have you caught over the past year?



Q2. Which fishing swims do you use at Rooksbury Mill?



Comments

- Weed clearing boat needs to be used more often in the summer as lake can be unfishable due to surface weed. – Many fisherman commented on the weeds.
- 18 Cormorants on the lake! Eating lots of the fish can anything be done?
- · Beautiful lake and wildlife.
- Fishing is good, lots of pike.
- Could a new rule be added Anyone fishing for pike must be in possession of a large unhooking mat.
- There is a young guy who swims in the lake during the warmer weather around swim 3. He turned up and jumped in right next to me spoiling my fishing trip.