

Feldale Internal Drainage Board Biodiversity Action Plan Report 2017-18

Drainage Ditch Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Manage ditches for biodiversity as well as for drainage	1.1	Establish and maintain a management plan for routine IDB operations incorporating key biodiversity features	Environmental Officer	2015	Plan finalised and followed each year	<i>A map-based plan has been produced. It will be updated as further information becomes available</i>
		1.2	Look for opportunities to provide natural erosion protection such as marginal plant ledges when re-profiling ditches	Environmental Officer	Ongoing	If re-profiling is carried out, opportunities identified	<i>No appropriate sites for this method were identified during the period.</i>
		1.3	Provide natural erosion protection as in 1.2 if opportunities available	Environmental Officer	Ongoing	Length of ditch with ledge / natural vegetation revetment	<i>As above.</i>
2	Identify ditches of conservation interest and manage appropriately	2.2	Ensure appropriate management of ditches for priority species	Environmental Officer, Plantlife, Wildlife Trust	Ongoing	Specified in management plan	<i>Priority ditches are identified on the management plan map</i>
3	Support the Environmental Officer in working with landowners to benefit wildlife in the district	3.1	Refer private landowners to the Environmental Officer for advice on creating field margin buffer zones and wildlife-friendly ditch management	Environmental Officer, Natural England, Wildlife Trust, FWAG	Ongoing	Number of contacts received and passed to Environmental Officer	<i>No formal contacts received.</i>
4	Control invasive species	4.1	Report any sightings of non-native invasive species immediately to the Environmental Officer and control as appropriate (see Appendix F for species list)	Environmental Officer, Environment Agency, Plantlife, Wildlife Trust	Ongoing	Reports to Environmental Officer	<i>No invasive species seen/ reported</i>

Reedbed Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Identify, assess and map any areas of reedbed over 0.5ha in size	1.1	Pass details of any known areas to MLC Environmental Officer	Wildlife Trust, Natural England, Environment Agency	2012	Review of reedbed areas carried out	<i>No new areas of reedbed over 0.5ha identified.</i>
2	Support appropriate reedbed creation	2.2	Manage the District adopted drains, where possible, to assist private landowners who wish to create areas of reedbed on their own land	Wildlife Trust, Environment Agency	Ongoing	(a) Number of requests received (b) Number of landowners assisted	<i>No approaches received.</i>
3	Take conservation value of reedbed into account when planning and carrying out ditch and river maintenance	3.2	Where reeds are present, commence mowing or cleansing work outside the bird breeding season (7 th April – 15 th July). Where reeds are growing in water be aware of the potential for late-nesting reed warblers being present until late August and avoid mowing in that location. In exceptional circumstances where this is not possible, seek advice from the Environmental Officer.	Environmental Officer, Wildlife Trust, RSPB	Ongoing	Reeds not cut during bird nesting season	<i>Reeds and other emergent vegetation were not cut during bird nesting season.</i>

Open Water Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Promote the creation of ponds, lakes and reservoirs in appropriate areas	1.1	Consider pond creation as mitigation when a ditch has to be filled in or culverted	Local authorities, Amphibian & Reptile Conservation, Wildlife Trust	Ongoing	(a) Number of mitigation opportunities (b) Number of ponds created	<i>(a) No ditch infilling occurred, (b) no pond creation opportunities in mitigation required.</i>

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		1.2	Support creation of flood storage areas and reservoirs	Environment Agency, Natural England, Wildlife Trust, RSPB	Ongoing	Number of projects involved with	<i>No application for flood storage areas or reservoirs received.</i>
		1.3	Assist private landowners with advice, information or contacts as necessary	Amphibian & Reptile Conservation, Wildlife Trust	Ongoing	(a) Number of information requests (b) Number responded to	<i>(a) One information requests received, (b) One inquiry responded to.</i>
2	Look for opportunities to create open water habitat when managing ditches	2.1	Create a pool at an appropriate ditch junction when re-profiling (see the Drainage Channel Biodiversity Manual, technique CL3))	Environmental Officer	2010	One pool successfully created	<i>No opportunities of this type for the IDB were identified during the period</i>
3	Support appropriate habitat creation as part of gravel pit restoration	3.1	Support inclusion of wetland habitats such as wet woodland, wet grassland, scrub and open water in gravel pit restoration schemes	Aggregates companies, local authorities, RSPB, WWT, Wildlife Trust	Ongoing	Number of schemes involved with	<i>(a) No schemes currently active, (b) No habitat creation opportunities as mitigation available.</i>

Water Vole Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Manage ditches according to the law and to best practice for water vole	1.1	Assume water voles are present when carrying out works (discuss special circumstances with the Environmental Officer) and follow the ADA water vole mitigation guide	Environmental Officer	Ongoing	Measures incorporated in management plans	<i>Water vole friendly ditch maintenance practices were adhered to.</i>
		1.2	Publicise good practice for rat control near drainage ditches	Environmental Officer, Wildlife Trust	Ongoing	Good practice publicised	<i>Good practice for rat control was publicised via the Environmental Officers newsletter issue 5.</i>

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2	Enhance drainage ditch habitat to benefit water vole	2.1	Look for opportunities to add a marginal shelf when re-profiling banks	Environmental Officer	Ongoing	(a) Opportunities identified (b) Measures taken	(a) No opportunities occurred during the period (b) As above.
		2.2	Consider using coir roll to stabilise banks and provide marginal vegetation	Environmental Officer	Ongoing	(a) Sites considered (b) Measures taken	No appropriate sites for this measure identified during the period.
3	Monitor water vole populations	3.1	Set up a survey programme to monitor water vole populations	Environmental Officer, Wildlife Trust	2010	Surveys carried out	Informal surveys carried out by EO.
		3.2	Provide data on water vole to the relevant Biological Records Centres	Environmental Officer, CPBRC, NBIS	Ongoing	Data sent via Environmental Officer annually	Records passed on.
4	Control mink as necessary	4.2	Carry out mink control as part of the Middle Level programme and report all sightings to the Environmental Officer	Environmental Officer	Ongoing	(a) Number of trapping days (b) Number of mink caught	Mink trapping is encouraged within the District. Traps, training, support available from Environmental Officer.

Otter Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Improve otter habitat	1.1	Identify and maintain existing key bushes and trees near watercourses likely to be important for otters	Environmental Officer	2012 and ongoing	Sites identified and listed in management plans	No bushes or trees that are key habitat for otters have been identified beside IDB drains but trees that may be valuable to otters are present on private land within the District. An otter holt was constructed on the Counterdrain near Feldale PS in 2015 as mitigation for bank raising works on the Nene Washes Barrier Bank.

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2	Monitor otter populations	2.3	Ensure any dead otters are reported to the Environmental Officer and transferred to the Environment Agency for post mortem	Environment Agency	Ongoing	Otters reported to Environmental Officer, if found	<i>No dead otters recorded or reported in the District during the period.</i>
3	Reduce otter deaths related to eel and crayfish trapping and road traffic	3.1	Report incidents of suspected illegal netting, trapping or fishing to the Environment Agency Fisheries Officers and the MLC Environmental Officer	Environment Agency, Angling Clubs & syndicates	Ongoing	Incidents reported, if discovered	<i>No illegal netting incidents recorded however incidents of otters being drowned in illegal eel nets remain a concern. Members are requested to be watchful for suspicious activity and report it to the Environmental Officer on 07765 597775 immediately.</i>

Bats Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Improve habitat for bats	1.1	Put up at least one bat box at an appropriate site, e.g. a pumping station	Bat Conservation Trust	2015	Number of bat boxes sited	<i>One box installed at Feldale Pumping Station in 2012.</i>
		1.2	Pollard suitable trees to provide bat roosts		Ongoing	Number of trees pollarded	<i>Any suitable trees will be identified as the management plan map is prepared.</i>
		1.3	Identify potential sites for a bat hibernaculum, e.g. in disused buildings or tunnels	Environmental Officer , Bat Conservation Trust	As opportunities arise	(a) Potential sites looked for (b) Site created	<i>To be considered during management plan creation.</i>
2	Collect information on bat populations	2.1	Monitor bat boxes	Bat Conservation Trust	2015 onwards	(a) Number of boxes monitored (b) Number of boxes used by bats	<i>(a) 1. (b) No signs of bat occupation during 2017.</i>

		2.2	Pass bat box information to CPBRC and NBIS	Environmental Officer, CPBRC, NBIS	2015 onwards	Data via Environmental Officer annually	<i>Annual, when data available.</i>
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Kingfisher Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Improve the quality of kingfisher habitat	1.1	Provide at least one potential nest hole in sheet pilings	Environmental Officer	Ongoing	Number of nest sites provided	<i>Piles at the Pumping Station are not suitable for this option. A nest box option is being considered.</i>
		1.2	Leave kingfisher fishing perches where possible (e.g. occasional branch)	Environmental Officer	Ongoing	Number of perch sites left	<i>There are numerous perching sites for kingfishers available on the reeds within the district.</i>
2	Collect records of kingfisher breeding between March and July	2.1	Note sightings of potential breeding kingfisher and pass information to CPBRC and NBIS via the Environmental Officer	Environmental Officer, CPBRC, NBIS	Ongoing	Data sent via Environmental Officer annually	<i>No breeding sites identified during the period.</i>

Barn Owl Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Improve the quality of barn owl habitat	1.1	Put up at least one barn owl nest box in a suitable location	Wildlife Conservation Partnership	2015	Number of nest boxes provided	<i>Two. One box was installed at Decoy Farm in 2014, courtesy of Mr Robert Brown. One box installed at Thory's Depot in 2015.</i>

		1.2	Pollard suitable trees to provide natural nest sites	Environmental Officer	Ongoing	Number of trees pollarded	<i>Suitable trees to be identified.</i>
2	Collect records of barn owl presence	2.1	Monitor nest boxes for use. Have occupied boxes checked for success by licensed barn owl ringers.	Wildlife Conservation Partnership	2015	(a) Number of nest boxes checked. (b) Number of nest boxes used	<i>(a) Two. (b) One. The barn owl box at Decoy Farm was used by barn owls in 2017 and a pair of barn owls were present in early May 2018. The box at Thory's Depot entrance was used by stock doves in 2017 and early 2018.</i>
		2.2	Pass barn owl box information to CPBRC and NBIS	Environmental Officer, Wildlife Conservation Partnership, CPBRC, NBIS	2015	Data sent via Environmental Officer annually	<i>Results passed on.</i>

Procedural Action Plan

Target Reference	Target	Action Reference	IDB Actions	Partners	Date	Indicators	Report
1	Provide training on IDB BAP and conservation management of drainage channels for all relevant staff by 2013	1.1	Establish programme of 1-day courses for IDB staff and members	Environmental Officer, Wildlife Trust, Natural England, other specialists	2013	(a) Number of courses held (b) Number of Board members / staff attending courses	<i>(a) Three meetings/courses held. Two courses on the Identification of water vole and otter signs were held on April 20th & 22nd 2017 and 3rd & 5th May 2018. The IDB BAP Partnership meeting was held on 6th December 2017. (b) 1. Russell Wright attended the IDB BAP meeting. All Board members able to attend the next IDB BAP meeting on 5th December 2018. would be very welcome.</i>

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			1.2	Establish suitable training for contractors' staff	Environmental Officer, Contractors	2013	Contractors attended training course	<i>No courses specifically run for contractors during the period.</i>
2	Take biodiversity into account when planning and undertaking capital works	2.1	Consult with the Environmental Officer and choose the best possible mitigation solutions for biodiversity, e.g. fish-friendly pumps	Environmental Officer	Ongoing	(a) Number of capital schemes undertaken (b) Number of schemes commented on	(a) <i>No capital schemes undertaken by the Board</i> (b) <i>No schemes commented on.</i>	



