

## Biodiversity Action Plan – Wetlands 2012

### Target Sites

#### Abbreviations:

CS = Countryside Stewardship

FC = Forestry Commission

LBAP = Local Biodiversity Action Plan Priority Species

LNR = Local Nature Reserve

'local' = invertebrate species which are rare on a local scale

LRDB = Local Red Data Book Species

LWS = Local Wildlife Site

(XXX) = corresponding Local Wildlife Site number where relevant

'notables' = invertebrate species which are rare on a national scale

SBRC = Sheffield Biological Records Centre

SNHS = Sorby Natural History Society

SWT = Sheffield Wildlife Trust

UKBAP = UK Biodiversity Action Plan Priority Species

UKRDB = UK Red Data Book Species

UK 'red list' – birds of 'high conservation concern'

YWT = Yorkshire Wildlife Trust

Where?	Why?	What?	Notes
<b>Maintain:</b>			
Beauchief Ponds and Grasslands (172)	Ponds / plants; marsh ragwort / amphibians; common toad (UKBAP & LBAP), smooth newt	In active management (review and monitor). Small tree and reedmace	SBRC Records

Where?	Why?	What?	Notes
	(LBAP) / birds; kingfisher (LRDB), dipper, grey wagtail (LBAP) / adjacent habitats	removal from pond margins (winter). Deal with invasive species ( <i>Crassula</i> ). Assess those ponds in poorer condition for improvement works. Regular litter picks currently take place.	Local group: Beauchief Environmental Group  <b>Management: Sheffield International Venues</b> Ownership: SCC – Parks
Beighton Marsh (279)	Ponds, marsh, submerged vegetation, <i>Phalaris</i> swamp / plants; canary reed-grass / birds; reed bunting (UKBAP), water rail, reed warbler, sedge warbler, kingfisher (LRDB) / mammals; harvest mouse (UKBAP & LRDB), water shrew / reptiles; grass snake, common lizard (UKBAP & LBAP) / amphibians; great crested newt (UKBAP & LBAP), smooth newt (LBAP) / invertebrates; dragonflies (LBAP), damselflies, water beetles, mayfly, <i>Diptera</i> ('local') / adjacent habitats	In active management (review and monitor). Regularly monitor water quality due to concerns over leachate. Amphibian survey to assess colonisation of restored ponds.	Pond Survey 2011 Phase 1 Habitat Survey 2009 SBRC Records  Local group: Shire Brook Valley Conservation Group  <b>Management: Environmental Planning</b> Ownership: SCC – Planning/Transportation
Blackburn Meadows (286)	Ponds, reedbed, marsh / birds; reed bunting (UKBAP), kingfisher, snipe, water rail		SBRC Records South Yorkshire Ponds Project Report 2008

Where?	Why?	What?	Notes
	(LRDB) / dragonflies (LBAP), damselflies, mayflies / amphibians; great crested-newt (UKBAP), smooth newt, common frog (LBAP) / adjacent habitats	Receives some management (requires review). Species survey required. Control of <i>Crassula</i> in 'dipping' pond. Rotational cutting of reedbed.	<b>Management: SCC - Parks</b> Ownership: SCC – Parks
Cow Lane, Holbrook (283)	Pond, marsh, marginal aquatic vegetation / amphibians; smooth newt (LBAP) / adjacent habitats	In active management (review and monitor). Maintain open areas of water in pond by periodically clearing reedmace. Annual monitoring for newts. Up-to-date survey required.	Management Programme 2010 Site Visit 2011 SBRC Records  <b>Management: SCC – Environmental Planning</b> Ownership: SCC – Estates
Crabtree Pond (078): part of Great and Little Roe Woods and Crabtree Pond LNR	Pond, stream, marginal aquatic vegetation / plants; spiked water-milfoil, rigid hornwort / amphibians; common toad (UKBAP & LBAP), common frog, smooth newt (LBAP), palmate newt (LRDB) / mammals; bats (UKBAP & LBAP) / invertebrates; dragonflies (LBAP), beetles, molluscs / adjacent habitats	In active management (review and monitor). Removal of some trees by ponds to reduce leaf litter in water (winter). Reduce litter and dumping of household waste in pond. Manage or remove invasive vegetation. Eradication of Japanese knotweed.	Management Plan 2011-2016 SBRC Records  <b>Management: SWT</b> Ownership: SCC – Parks
Holbrook Heath and Ponds (282)	Ponds, reedbeds / plants; wood small-reed (LRDB) /		Management Programme 2010

Where?	Why?	What?	Notes
	amphibians; great crested newt (LRDB & UKBAP), common toad (UKBAP & LBAP) / mammals; water vole, pipistrelle bat (UKBAP & LBAP) / invertebrates; dragonflies (LBAP), damselflies, various others ('notables') / adjacent habitats	In active management (review and monitor). Hydrological survey required. Investigate creation of additional ponds. Annual monitoring for newts. Negotiate with various landowners to agree appropriate management on privately-owned parts of site.	South Yorkshire Ponds Project Report 2010 SBRC Records  <b>Management: SCC – Environmental Planning</b> Ownership: SCC – Estates/Planning & Transportation/Private (multiple owners)
Holbrook Marsh and Carr (284)	Pond, marsh / reptiles; grass snake (LBAP & UKBAP) / amphibians; great crested newt (LRDB & UKBAP), common toad (UKBAP & LBAP), common frog, smooth newt (LBAP) / invertebrates; dragonflies (LBAP), various others (LRDB & 'notables') / mammals; water vole, pipistrelle bat (LBAP & UKBAP) / adjacent habitats	In active management (review and monitor). Control of Himalayan Balsam. Monitor willow/alder encroachment and manage appropriately. Manage reedmace to maintain areas of open water. Monitor extent of <i>Crassula</i> and manage appropriately. Annual monitoring for newts.	Management Programme 2010 South Yorkshire Ponds Project Report 2010 SBRC Records  <b>Management: SCC – Environmental Planning</b> Ownership: SCC – Estates
Woodhouse Washlands (258)	Pond, grazing marsh, wet flushes / plants; false fox-sedge, hemlock water-dropwort, water figwort (LBAP & LRDB) / birds; lapwing, snipe, sand martin,		Annual Work Programme 2009/10 (YWT)

Where?	Why?	What?	Notes
	kingfisher, reed bunting (LBAP & UKBAP) / mammals; harvest mouse, water vole, water shrew (LBAP & UKBAP) / amphibians; great crested newt (LBAP & UKBAP) / reptiles; grass snake (LBAP & UKBAP) / mammals; bats (LBAP & UKBAP) / invertebrates; dragonflies, water beetles, <i>Diptera sp.</i> (LRDB, UKRDB, UKBAP) / adjacent habitats	In active management (review and monitor). Annual general maintenance to ponds.	<b>Management: YWT</b> Ownership: Environment Agency
<b>Enhance/Restore:</b>			
Arbourthorne Pond (087)	Pond, reedbed / invertebrates: dragonflies (LBAP), damselflies, water beetles /	In active management (review and monitor). Retain areas of marginal vegetation and allow reedbed to develop. Retain as much submerged vegetation as it practicable.	South Yorkshire Ponds Project Report 2008 SBRC Records  Local group: Friends of Arbourthorne Pond  <b>Management: SCC – Parks</b> Ownership: SCC – Parks
Birley Spa Wood (264)	Pond, stream / birds; kingfisher (LRDB) / mammals; water vole, pipistrelle bat (UKBAP & LBAP) / adjacent habitats	Up-to-date survey required to assess for suitable management.	SBRC Records  Local group: Shire Brook Valley Conservation Group

Where?	Why?	What?	Notes
			<b>Management: Parks</b> Ownership: SCC – Parks
Carbrook Ravine (103)	Pond, stream, marsh / plants; royal fern (LRDB) / invertebrates; dragonflies (LBAP), hoverfly ('notable') / adjacent habitats	In active management. Continue to monitor progress of wetland habitats after recent restoration work. Investigate potential for more wetland creation on site. Monitor and remove as necessary reedmace from pond area.	Ecological Survey 2011 Management Plan 2011-2016 SBRC Records  <b>Management: SWT</b> Ownership: SCC – Parks
Carr's Marsh: part of Short Brook and Carr's Marsh LWS (281)	Pond, stream, marsh, marginal aquatic vegetation / plants; common spotted-orchid (LRDB) / birds; jack snipe (LRDB), reed bunting (UKBAP & LBAP) / amphibians; smooth newt (LBAP), common toad (UKBAP & LBAP) / mammals; water vole (UKBAP & LBAP) / adjacent habitats	Up-to-date survey required. Removal of Himalayan balsam. Monitor encroachment of willow and reedmace.	SBRC Records  <b>Management: to be arranged in conjunction with owner</b> Ownership: Carrs
Crookes Valley Park (128)	Lake, marginal aquatic vegetation / plants; water-plantain / invertebrates; dragonflies (LBAP) birds; water fowl / adjacent habitats	In active management (review and monitor). Survey of aquatic habitat required.	Phase One Survey 2009 Masterplan 2010 SBRC Records  Local group: Friends of Crookesmoor Parks

Where?	Why?	What?	Notes
		<p>Monitor success of new 'bird island' (installed 2010). Increase area of marginal aquatic vegetation.</p>	<p><b>Management: SCC – Parks</b> Ownership: SCC – Parks</p>
Ecclesfield Dam (206)	<p>Lake, marginal aquatic vegetation / birds; grey wagtail (LBAP), kingfisher (LRDB) / mammals; water vole, Daubenton's bat (UKBAP &amp; LBAP) (unconfirmed) / amphibians; common frog (UKBAP &amp; LBAP) / reptiles; grass snake (UKBAP &amp; LBAP) / adjacent habitats</p>	<p>Up-to-date survey required (especially for amphibians and mammals) Monitoring and removal of invasive species. Investigate issues regarding bank erosion.</p>	<p>Site visit 2010 SBRC Records</p> <p><b>Management: Mick Steer (Fisheries)</b> Ownership: Private</p>
Frecheville Pond (149)	<p>Pond, marginal aquatic vegetation / plants; alternate water-milfoil, rigid hornwort (LRDB), common club-rush / amphibians; common frog, smooth newt (LBAP) / invertebrates; dragonflies (LBAP), damselflies, mayfly, freshwater shrimp /</p>	<p>In active management (review and monitor). Retain and enhance reedbed. Retain aquatic plants where feasible. Re-profile part of pond edge and create adjacent habitat for amphibians.</p>	<p>Frecheville Pond Report 2010 SBRC Records</p> <p><b>Management: SCC - Parks</b> Ownership: SCC - Parks</p>
Graves Park (138)	<p>Ponds, stream / birds; grey wagtail (LBAP), various water fowl / adjacent habitats</p>	<p>Up-to-date survey required to assess for suitable management.</p>	<p>SBRC Records</p> <p>Local group: Friends of Graves Park</p>

Where?	Why?	What?	Notes
			<b>Management: SCC - Parks</b> Ownership: SCC - Parks
Hartley Brook Dyke, Sheffield Lane Dyke and Tongue Gutter (212)	Stream / plants; water chickweed, marsh woundwort / mammals; water vole (UKBAP & LBAP) / adjacent habitats	In active management (review and monitor). Investigate and resolve cause of water quality issues. Control of Japanese Knotweed. Pollard streamside white willow. Removal of woody debris from water course. Implement programme of regular monitoring visits.	Site Assessment and Management Proposals Document 2011 SBRC Records  <b>Management: SCC - Parks</b> Ownership: SCC - Parks
Limb Valley (154)	Pond, stream / birds; reed bunting / mammals; pipistrelle bat (UKBAP & LBAP) / amphibians; common toad (UKBAP & LBAP), common frog (LBAP) / invertebrates; white-clawed crayfish (UKBAP & LBAP), dragonflies (LBAP), mayflies / adjacent habitats	In active management (review and monitor). Assess ponds for appropriate management. Removal of Himalayan balsam along course of brook. Removal of riparian trees to reduce shading along brook.	Plant Survey 2009-10 (SNHS) SBRC Records  Local group: SNHS  <b>Management: SCC – Trees and Woodlands/SWT</b> Ownership: SCC – Parks/private
Periwood Lane (180)	Pond, stream, marginal aquatic vegetation / amphibians; common toad, common frog (UKBAP & LBAP) / adjacent habitats	In active management (review and monitor). Up-to-date survey of pond required. Remove litter, debris and	Site Visit 2011 SBRC Records  Local group: Periwood Wildlife Group



Where?	Why?	What?	Notes
		<p>invasive vegetation from pond. Reduce amount of shade around pond margin. Investigate opportunities for de-silting pond. Repair or remove dipping platform.</p>	<p><b>Management: SCC Parks (Ranger Service biodiversity uplift site)</b> Ownership: SCC – Parks, Estates</p>
Richmond Park (294)	<p>Pond, ephemeral pools, stream, spring / amphibians; common frog (LBAP) / invertebrates; dragonflies (LBAP) / adjacent habitats</p>	<p>In active management (review and monitor). Monitor spread of reedmace and control accordingly. Invertebrate survey of water course required.</p>	<p>Site visit 2010 SBRC Records</p> <p>Local group: Friends of Richmond Park</p> <p><b>Management: SCC - Parks</b> Ownership: SCC – Parks</p>
Richmond Pond (104)	<p>Pond, marginal aquatic vegetation / plants; spiked water-milfoil (LRDB) / amphibians; toad (UKBAP &amp; LBAP), common frog, smooth newt (LBAP), palmate newt (LRDB) / invertebrates; <i>Stratiomys potomeda</i>, <i>Neoascia geniculata</i> ('notables')</p>	<p>In active management (review and monitor). Survey required. Regular pond clearance to eradicate litter. Monitor for algal bloom and treat accordingly (summer).</p>	<p>SBRC Records</p> <p>Local group: Woodthorpe Community Trust</p> <p><b>Management: SCC – Parks</b> Ownership: SCC - Parks</p>
Shire Brook Valley: Coisley Hill to Linleybank (269): part of Shire	<p>Ponds, stream, marsh, marginal aquatic vegetation / birds; reed bunting (UKBAP &amp; LBAP),</p>		<p>Management Plan 2010-2015 Phase 1 survey 2009</p>

Where?	Why?	What?	Notes
Brook Valley LNR	goosander / mammals; water vole, pipistrelle bat (UKBAP & LBAP), harvest mouse (LRDB) / birds; kingfisher (LRDB) / amphibians; common toad (UKBAP & LBAP) / reptiles; grass snake (UKBAP & LBAP) / invertebrates; dragonflies (LBAP), mayfly / adjacent habitats	In active management (review and monitor). Control Himalayan Balsam along stream side. Control extent of reedmace in Centenary Ponds to retain areas of open water. Attempt to resolve issues with regard to illegal fishing.	SBRC Records  Local group: Shire Brook Valley Conservation Group  <b>Management: SCC - Parks</b> Ownership: SCC – Estates/Housing/Planning & Transportation
Shire Brook Valley: Coisley Hill to Stone Lane (267): part of Shire Brook Valley LNR	Ponds, marginal aquatic vegetation / plants; branched bur-reed / birds; reed bunting (UKBAP & LBAP), willow tit, snipe (UK 'red list') / reptiles; grass snake (UKBAP & LBAP) / amphibians; common toad, great crested newt (UKBAP & LBAP), common frog, smooth newt (LBAP) / invertebrates; dragonflies (LBAP), damselflies / adjacent habitats	In active management (review and monitor). Control reedmace in 'dipping' pond. Secure funding for dredging operation.	Management Plan 2010-2015 Phase 1 survey 2009 SBRC Records  Local group: Shire Brook Valley Conservation Group  <b>Management: SCC - Parks</b> Ownership: SCC – Planning and Transportation
Studfield Quarry	Pond / adjacent habitats	In active management (review and monitor). Monitor impact of major capital works undertaken in 2010 via	South Yorkshire Ponds Project Survey 2010 SBRC Records

Where?	Why?	What?	Notes
		<p>surveys to assess success of restoration.</p> <p>Maintain open aspect of pond by controlling invasive vegetation.</p> <p>Assess for inclusion as LWS.</p>	<p><b>Management: SCC – Planning and Transportation</b></p> <p>Ownership: SCC – Planning &amp; Transportation</p>
Sunny Bank LNR (132)	<p>Pond, marginal aquatic vegetation / plants; water-plantain / amphibians; common frog (UKBAP &amp; LBAP) / invertebrates; dragonflies (LBAP) / adjacent habitats</p>	<p>In active management (review and monitor).</p> <p>Maintain vigilance in dealing with litter problems and vandalism.</p> <p>Investigate methods of improving sustainability of pond.</p> <p>Encourage development of marginal vegetation.</p>	<p>Management Plan 2011-2015</p> <p>South Yorkshire Ponds Project Survey 2008</p> <p>SBRC Records</p> <p><b>Management: SWT</b></p> <p>Ownership: SCC – Housing, Education, Highways</p>
Tinsley Park: 70 Acre Hill (248)	<p>Ponds, marginal aquatic vegetation / plants; water figwort / amphibians: palmate newt (LRDB), common frog, smooth newt (LBAP) / birds: water rail (LRDB) / invertebrates; dragonflies (LBAP), damselflies / adjacent habitats</p>	<p>In active management (review and monitor).</p> <p>Pond surveys required.</p> <p>Control reedmace in smaller ponds to retain areas of open water.</p>	<p>Phase 1 Survey 2009</p> <p>SBRC Records</p> <p>Local Group: Friends of High Hazels</p> <p><b>Management: SCC - Parks</b></p> <p>Ownership: SCC – Parks</p>
Townend Common LNR (047)	<p>Ponds, ephemeral pools / plants; marsh pennywort, star sedge, <i>Sphagnum</i> mosses / amphibians: common frog (LBAP), palmate newt (LRDB) / mammals; noctule bat (UKBAP)</p>	<p>In active management.</p>	<p>SBRC Records</p> <p>Ecological Survey 2004</p> <p><b>Management: SCC –</b></p>

Where?	Why?	What?	Notes
	& LBAP) / invertebrates: dragonflies (LBAP), damselflies, diving beetles ('notables') / adjacent habitats	Monitor condition of existing ponds. Investigate potential for inclusion in HLS.	<b>Parks &amp; Steel Valley Project</b> Ownership: SCC – Parks/Private
Weston Park	Pond, marginal aquatic vegetation / birds; various water fowl / amphibians; smooth newt (LBAP) / adjacent habitats	In active management (review and monitor). Investigate potential to reduce over-shading of pond. Develop submerged and marginal aquatic vegetation to improve site for invertebrates. Improve adjacent vegetated areas for amphibians. Up-to-date survey required.	Amphibian Survey 2005 SBRC Records  Local group: Friends of Crookesmoor Parks  <b>Management: SCC – Parks</b> Ownership: SCC – Parks
Wharnccliffe Heath LNR (191)	Ponds / mammals; Daubenton's bat, Noctule bat, pipistrelle bat (UKBAP & LBAP) / amphibians: common toad (UKBAP & LBAP), palmate newt (LRDB), common frog (LBAP) / reptiles: grass snake (UKBAP & LBAP) / invertebrates; dragonflies (LBAP) / adjacent habitats	In active management (review and monitor). Recently excavated, now being monitored for invertebrates and invasive vegetation.	SBRC Records  Local Group: Wharnccliffe Heathlands Trust  <b>Management: Forestry Commission</b> Ownership: Forestry Commission
Wharnccliffe Woods (192)	Ponds / amphibians: palmate newt (LRDB) / reptiles: grass snake (UKBAP & LBAP) / adjacent habitats	In active management (review and monitor). Monitoring for newts, invertebrates and invasive vegetation.	SBRC Records  Local Group: Wharnccliffe Heathlands Trust

Where?	Why?	What?	Notes
		<p>Improve riparian zones by creating less shade. Minimize disturbance to water courses during felling operations in adjacent woodland.</p>	<p><b>Management: Forestry Commission</b> Ownership: Forestry Commission</p>
<p>Wickfield Heath (262): part of Shire Brook Valley LNR</p>	<p>Stream, marsh / reptiles; grass snake, common lizard (UKBAP &amp; LBAP) / mammals; harvest mouse (UKBAP &amp; LBAP) / amphibians; common frog (UKBAP &amp; LBAP) / adjacent habitats</p>	<p>In active management (review and monitor). Removal of Himalayan balsam from stream side. Restoration of pond on site of former quarry. Management of marsh areas.</p>	<p>SBRC Records Management Plan 2010</p> <p>Local group: Shire Brook Valley Conservation Group</p> <p><b>Management: SCC – Parks</b> Ownership: SCC – Housing, Planning &amp; Transportation and Parks</p>
<b>Create:</b>			
<p>Townend Common LNR (047)</p>	<p>See above</p>	<p>Increase number of ponds on site to develop extent of wetland habitat.</p>	<p>SBRC Records Ecological Survey 2004</p> <p><b>Management: SCC – Parks &amp; Steel Valley Project</b> Ownership: SCC –</p>

Where?	Why?	What?	Notes
Wadsley and Loxley Common LNR (226)	To add to diversity of habitats on the LNR. Adjacent habitats are heathland, grassland and woodland. Other wetland habitats include flushes and springs.	In active management (review and monitor). Create new pond on site of former pond. Investigate potential for others. CS agreement due to end 2012 – transfer to HLS	Parks/Private Management Plan 2004-2014 SBRC Records  Local group: Wadsley and Loxley Commoners  <b>Management: SCC – Parks</b> Ownership: SCC – Parks/multiple private