Appendix 4b - 1 Consolidated Outcomes and Associated Activities (	(Measures)
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ID	No. of items consolidated		Consolidated Outcome	Associated Activities (Measures)	Mapped Conservation Features	Prioritised Outcome?
U	into Outcom	le Objectives		- A57, More Accessible Natural Greenspace (including along rivers and new woodland, nature trails and country parks) with better access from	reatures	Outcomer
				settlements		
				- A64, More understanding of, and engagement with nature (including green prescribing)for health and wellbeing benefits.		
				- A70, Use signage and visitor centres to help engage people.		
			Better awareness, understanding and engagement	- A68, Educational programmes in schools about nature and fund training for young people.		
		Ecosystem	with nature and the countryside through achieving	- A63, Provide more walks and activities linked to nature (e.g. fungi forays, 30 days wild, urban peregrines)		
38	3	24 Services	ANGSt targets	- A65, Engage local communities with nature, create opportunities for volunteers funding small projects (e.g. bats in churches project)		YES
				- A5, Follow the Lawton Principles (more, bigger, better, joined up) in LNRS decision making		
				- A11, Require (via policy) well designed GI in new developments which functions for biodiversity and people, such as Suds, urban trees and green		1
				roofs, open space, landscape buffers, nature corridors.		
				- A12, Protect and enhance green infrastructure between developed areas		
				- A13, Production of a green infrastructure map to inform decision making		
		Ecosystem	Improved Green Infrastructure (following NEP's GI	- A14, Biodiversity as key part of green infrastructure		
39	e la	9 Services	Vision and principles)	- A97, Ensure the long term management of newly created habitats		YES
				<ul> <li>A6, Successfully embed biodiversity net gain into the planning system</li> </ul>		
				- A8, Integrate the LNRS into spatial planning policies		
				- A9, Incorporate requirements for biodiversity into all sectors (planning, farming, health etc)		
				- A10, Embed the Lawton Principles (more, bigger, better, joined up) within planning policy		
				- A11, Require (via policy) well designed GI in new developments which functions for biodiversity and people, such as Suds, urban trees and green		
	1			roofs, open space, landscape buffers, nature corridors.		
				- A12, Protect and enhance green infrastructure between developed areas		
				- A14, Biodiversity as key part of green infrastructure		
				- A19, Create greener transport links (greenways)		
				- A20, Maximise nature spaces in OxCam Arc		
				- A35, More tree retention and planting (promote the urban tree challenge fund) using species which will adapt to climate change and continue to		
		Ecosystem	Regenerate towns and major urban areas and build			
43	3	5 Services	biodiversity better into planning	- A18, Education for decision makers such as local authorities on the value of nature and how to restore nature, particularly within planning decisions		YES
				- A11, Require (via policy) well designed GI in new developments which functions for biodiversity and people, such as Suds, urban trees and green		
				roofs, open space, landscape buffers, nature corridors.		
				- A35, More tree retention and planting (promote the urban tree challenge fund) using species which will adapt to climate change and continue to		
		Ecosystem	Plant and protect urban trees/woodland, 30%	improve air quality		1
81		9 Services	Canopy Cover	- A41, Plant woodland within urban areas		YES
		Ecosystem	Better physical and mental health and wellbeing	- A9, Incorporate requirements for biodiversity into all sectors (planning, farming, health etc)	YES	YES
84	ł	17 Services	resulting from access to Natural Greenspace	- A64, More understanding of, and engagement with nature (including green prescribing)for health and wellbeing benefits.	152	162

-				- A102, Recognise link between soil type and habitat and its management		
				- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,		
				min-till, cover crops and good crop rotation)		
				- A104, Achieve best practice in farmland management for wildlife		
				- A105, Engage and support land owners to manage their land for nature. Including access to advice and funding and via facilitation groups and farm		
				clusters.		
				- A106, Encourage uptake of environmental stewardship schemes		
				- A107, More leadership by, and collaboration between landowners/farmers/managers, to manage wildlife		
				- A108, More education of public by landowners/farmers/managers to promote the environment		
				- A109, Support for farming in urban fringe		
				- A110, Coordination between the LNRS, ELM and BNG		
				- A111, ELM to recognise whole farm systems		
		Ecosystem	Farming and other land management gives greater	- A112, Improve management for wildlife on equine and shooting (game) sites		
88	a	Services	ecosystem services	- A54, Buckinghamshire Council to lead by example through best practice land management on agricultural estate	YES	YES
00		Services		- A123, Payments for land set aside to flood	125	125
				- A124, Reconnect rivers with their floodplain		
				- A130, Understand groundwater in Chilterns and gravels of Thames, re suitability for NFM and interaction with infrastructure		
				- A131, Better understanding of flooding (upstream causes) and better flood warning and resilience (especially relating to groundwater)		
		Ecosystem	Better flood attenuation through functioning	- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,		
93	12	Services	floodplains, and soils	min-till, cover crops and good crop rotation)	YES	YES
	12	Services			125	125
				- A60, Stop water pollution through improve wastewater management and drainage infrastructure taking enforcement action (especially on sewerage)		
				- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,		
				min-till, cover crops and good crop rotation)		
		Ecosystem		- A58, Reduce the use of chemicals and pesticides and ban neonicotinoids		
94	16	Services	Clean Water	- A113, Collaboration with water company initiatives	YES	YES
		Ecosystem				
95	3	Services	Clean Air	- A42, Plant vegetation and woodland buffers adjacent to roads and urban areas to screen, reduce and pollution and capture carbon	YES	YES
				- A60, Stop water pollution through improve wastewater management and drainage infrastructure taking enforcement action (especially on sewerage)		
				- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,		
				min-till, cover crops and good crop rotation)		
				- A58, Reduce the use of chemicals and pesticides and ban neonicotinoids		
				- A42, Plant vegetation and woodland buffers adjacent to roads and urban areas to screen, reduce and pollution and capture carbon		
				- A59, Reduce fly tipping & litter through education, community involvement, enforcement and fines		
		Ecosystem		- A61, Limit light pollution		
97	24	Services	Less air, water, light, noise pollution	- A113, Collaboration with water company initiatives	YES	YES
				- A42, Plant vegetation and woodland buffers adjacent to roads and urban areas to screen, reduce and pollution and capture carbon		
				- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,		
		Ecosystem	Mitigate climate change and store carbon with	min-till, cover crops and good crop rotation)		
103	30	Services	vegetation (especially trees) and soil	- A30, Ensure that wildlife can move as required to respond to climate change	YES	YES
				- A127, Establish Natural Flood Management Schemes which create new wetland habitats		
				- A130, Understand groundwater in Chilterns and gravels of Thames, re suitability for NFM and interaction with infrastructure		
		Ecosystem	Control flooding with NFM, catchment base	- A116, Catchment sensitive farming and land management		
104	31	Services	approach	- A117, Promote a catchment based approach	YES	YES
				- A4, More information on natural capital value		
				- A35, More tree retention and planting (promote the urban tree challenge fund) using species which will adapt to climate change and continue to		
				improve air quality		
		Ecosystem	More ecosystem services through nature based	- A42, Plant vegetation and woodland buffers adjacent to roads and urban areas to screen, reduce and pollution and capture carbon		
105	3	Services	solutions	- A127, Establish Natural Flood Management Schemes which create new wetland habitats	YES	YES
		Ecosystem	Healthy soil organic matter for carbon	- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,	YES	100
107		Services	sequestration, water retention and soil biology	min-till, cover crops and good crop rotation)	IVEC	YES

		Protected		- A49, Restore and create and buffer designated sites		
2	12	Sites	More sites designated for nature conservation	- A24, Designate more sites for nature conservation	YES	YES
1		Protected	Designated sites are protected by suitable habitat		-	-
3	5	Sites	buffers	- A49, Restore and create and buffer designated sites	YES	YES
				- A36, Collect data on woodland condition		
				- A37, Better management of existing woodland (including retention of deadwood) that is planned for the long term and suitably funded.		
				- A74, Landscape scale deer management to aid woodland establishment and management, supported through funding to landowners and venison		
				market		
				- A78, Coordinated squirrel control within woodlands through funding		
				- A84, Manage woodland for owls		
		Protected	Ancient Woodland (and irreplaceable habitats)	- A101, Identify barriers to good habitat management		
51	10	Sites	protected and in favourable management	- A52, Support LWS owners to manage and protect sites	YES	YES
1		Protected	······································	- A49, Restore and create and buffer designated sites		
53	2	Sites	Favourable condition of SSSIs	- A53, More promotion and marketing of existing designated areas and species to be found there	YES	YES
			Reduced pressure on sites of higher nature			
		Protected	conservation value due to there being more	- A45, Create Suitable Alternative Natural Greenspace (SANG's) to reduce recreational pressure (including Chiltern Beechwoods and Burnham Beeches		
85	q	Sites	alternative Accessible Natural Greenspace	SAC		YES
,5		Sites		- A28, Create new hedgerows (with trees) to act as habitat connectivity corridors		123
		Species and		- A31, Increase of Rewilding creating a connected landscape for wildlife		
26	21	Connectivity	Good connectivity of woodland habitats	- A44, Create more beech woodland and heathland to buffer and connect Burnham Beeches SAC to other nearby habitats.	YES	YES
		connectivity		- A98, Minerals plan to provide opportunities for wetland creation	125	123
				- A124, Reconnect rivers with their floodplain		
		Species and		- A125, Restore wetland areas of the River Thame and Ray		
8	7	Connectivity	Good connectivity of wetland habitats	- A127, Establish Natural Flood Management Schemes which create new wetland habitats	YES	YES
0	,	Species and	Improved habitat connectivity, (including cross	- A3, Ensure the LNRS creates connections into other administrative areas	TES	TLJ
9	EO	Connectivity	border) for ecological resilience	- A27, Better understanding of how nature corridors function	YES	YES
.9		Connectivity		- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,	TES	TES
				min-till, cover crops and good crop rotation)		
				- A104, Achieve best practice in farmland management for wildlife		
				- A105, Engage and support land owners to manage their land for nature. Including access to advice and funding and via facilitation groups and farm		
				clusters.		
				- A106, Encourage uptake of environmental stewardship schemes		
				- A107, More leadership by, and collaboration between landowners/farmers/managers, to manage wildlife		
		<b>C</b>		- A109, Support for farming in urban fringe		
		Species and		- A110, Coordination between the LNRS, ELM and BNG		
31	6	Connectivity	Better habitat connectivity across farmland	- A111, ELM to recognise whole farm systems - A11, Require (via policy) well designed GI in new developments which functions for biodiversity and people, such as Suds, urban trees and green	YES	YES
				roofs, open space, landscape buffers, nature corridors.		
				- A12, Protect and enhance green infrastructure between developed areas		
				- A13, Production of a green infrastructure map to inform decision making		
				- A19, Create greener transport links (greenways)		
				- A56, Better investment and management and monitoring for nature of parks, road verges and other green spaces		
				- A57, More Accessible Natural Greenspace (including along rivers and new woodland, nature trails and country parks) with better access from		
		Species and		settlements		
32	5	Connectivity	Connectivity of green spaces	- A133, Install wildlife bridges/tunnels to improve passage for wildlife and reduce wildlife killed on transport corridors	YES	YES
		Species and		- A5, Follow the Lawton Principles (more, bigger, better, joined up) in LNRS decision making		
33	2	Connectivity	Connectivity between priority habitats	- A10, Embed the Lawton Principles (more, bigger, better, joined up) within planning policy	YES	YES
		Species and				
34	3	Connectivity	Dark corridors for nocturnal wildlife	- A61, Limit light pollution		YES
				- A124, Reconnect rivers with their floodplain		
		Species and		- A125, Restore wetland areas of the River Thame and Ray		
35	3	Connectivity	Rivers reconnected to floodplains	- A127, Establish Natural Flood Management Schemes which create new wetland habitats	YES	YES

				- A71, Forward planning to reduce the impacts of Ash dieback including the planting of replacement species.		
				- A72, Eradicate Oak Processionary Moth		
				- A73, Removal of exotic conifers and replacement with native habitats		
				- A74, Landscape scale deer management to aid woodland establishment and management, supported through funding to landowners and venison		
				market		
				- A75, Removal of invasive wetland species such as floating pennywort		
				- A76, Removal of Rhododendron from woodland via engagement and funding.		
			Fewer invasive, non-native species causing	- A77, Mink control		
55	5	Connectivity	problems for native wildlife	- A78, Coordinated squirrel control within woodlands through funding		YES
				- A121, Enhance river corridors as nature corridors and remove barriers to fish passage		
		Species and		- A118, Connections from escarpment headwaters into River Thame catchment		
61	3	Connectivity	Improved connectivity of rivers (fish passage)	- A27, Better understanding of how nature corridors function		YES
		Species and				
68	4	Connectivity	Protection for, and more Black Poplar	- A87, Plant more Black Poplar		YES
				- A80, A better understanding of the Bechstein's bat population in this region via survey work and plans on how to expand their population		
				- A82, Create a water vole recovery strategy including reintroductions		
				- A83, Management for Otters, including watercourses and Hyde Land Lakes		
		Species and	Rare or notable (priority) wildlife species are	- A84, Manage woodland for owls		
70			protected	- A89, Manage land for wetland birds		YES
		Species and	F			-
71		1. A	Favourable condition of invertebrate assemblages	- A85, Planting for pollinators		YES
			An increase in farmland birds (including objectives			-
72			for specific species)	- A54, Buckinghamshire Council to lead by example through best practice land management on agricultural estate		YES
, _		Species and				
78			Recovery of wetland birds	- A89, Manage land for wetland birds		YES
70		Wildlife rich		- A100, Better protection for priority habitats		125
		habitat		- A94, Coordinate management of chalk (calcareous) grassland and encourage livestock grazing		
			More Lowland Calcareous Grassland		YES	YES
0		Wildlife rich		- A7, Develop a habitat bank to support biodiversity net gain policy and direct funds to the right sites	TES	TES
				A114 Create new close water and a labor and mean him for wildlife advector antilinear		
10		habitat	Maria and	- A114, Create new clean water ponds, lakes and reservoirs for wildlife, climate resiliance	100	200
16	11	(other)	More ponds	- A7, Develop a habitat bank to support biodiversity net gain policy and direct funds to the right sites	YES	YES
				- A115, Link with Thames catchment study with Environment Agency		
				- A116, Catchment sensitive farming and land management		
				- A117, Promote a catchment based approach		
				- A118, Connections from escarpment headwaters into River Thame catchment		
				- A119, Stage 0 restoration on some headwaters		
				- A120, Enhance the condition of the watercourses and reinstate meanders (e.g. River Great Ouse and Ouzel)		
				- A121, Enhance river corridors as nature corridors and remove barriers to fish passage		
				- A129, Better protection (e.g. LWS designation) and awareness of chalk streams, including the removal of barriers and mitigation of harmful		
		Wildlife rich		infrastructure (Heathrow)		
		habitat	Improve WFD ecological status of Rivers and	- A60, Stop water pollution through improve wastewater management and drainage infrastructure taking enforcement action (especially on sewerage)		
18	17	(other)	Streams	- A7, Develop a habitat bank to support biodiversity net gain policy and direct funds to the right sites	YES	YES
		Wildlife rich			1	
		habitat		- A100, Better protection for priority habitats		
22		(other)	Improved condition of priority habitats	- A7, Develop a habitat bank to support biodiversity net gain policy and direct funds to the right sites	YES	YES
		Wildlife rich				
		habitat		<ul> <li>A56, Better investment and management and monitoring for nature of parks, road verges and other green spaces</li> </ul>		
41			More wildflower verges		YES	YES
41		()	More wildflower verges	- A93, Use road verges to connect grasslands	163	1ES
			Improve the condition of chalk streams	- A128, Stop unsustainable abstraction for chalk aquifers and chalk streams to protect the habitat		
		habitat		- A129, Better protection (e.g. LWS designation) and awareness of chalk streams, including the removal of barriers and mitigation of harmful		
44	16	(other)		infrastructure (Heathrow)	YES	YES

	Wildlife rich				
45	habitat 2 (other)	More habitat mosaics	- A5, Follow the Lawton Principles (more, bigger, better, joined up) in LNRS decision making	YES	YES
45	Wildlife rich			TES	TES
	habitat	Restoration and Enhancement of the Ray Valley			
57	1 (other)	and Bernwood Area	- A125, Restore wetland areas of the River Thame and Ray	YES	YES
	Wildlife rich				
	habitat 💦				
58	9 <mark>(other)</mark>	More semi-natural habitats	- A5, Follow the Lawton Principles (more, bigger, better, joined up) in LNRS decision making	YES	YES
	Wildlife rich				
_	habitat				
59	5 (other)	Better condition of semi-natural habitats	- A5, Follow the Lawton Principles (more, bigger, better, joined up) in LNRS decision making	YES	YES
	Wildlife rich habitat		- A14, Biodiversity as key part of green infrastructure		
62	4 (other)	More biodiversity in recreation green spaces	- A14, biological step part of green mast detaile		YES
02	(other)	indre blodiversity in recreation green spaces	- A102, Recognise link between soil type and habitat and its management		125
			- A103, Better support for land management to increased biodiversity, reduced soil errosion and enhanced carbon sequestration (using direct drilling,		
			min-till, cover crops and good crop rotation)		
			- A104, Achieve best practice in farmland management for wildlife		
			- A105, Engage and support land owners to manage their land for nature. Including access to advice and funding and via facilitation groups and farm		
			clusters.		
			- A106, Encourage uptake of environmental stewardship schemes		
			- A107, More leadership by, and collaboration between landowners/farmers/managers, to manage wildlife		
			- A108, More education of public by landowners/farmers/managers to promote the environment		
			- A109, Support for farming in urban fringe		
	Wildlife rich		- A110, Coordination between the LNRS, ELM and BNG		
	habitat		<ul> <li>A111, ELM to recognise whole farm systems</li> <li>A112, Improve management for wildlife on equine and shooting (game) sites</li> </ul>		
63	1 (other)	Farmland rich in wildlife	- A112, Improve management for windine on equine and shooting (game) sites		YES
05			- A5, Follow the Lawton Principles (more, bigger, better, joined up) in LNRS decision making		125
	Wildlife rich		- A104, Achieve best practice in farmland management for wildlife		
	habitat	More overall biodiversity (minimum of doubling	- A14, Biodiversity as key part of green infrastructure		
64	31 (other)	nature)	- A24, Designate more sites for nature conservation		YES
			- A32, More and better integrated data on species and habitats		
			- A33, Undertake research on designed landscapes, parks and gardens		
			- A34, Record, protect and plan for future, veteran and ancient trees		
			- A36, Collect data on woodland condition		
	Wildlife rich		- A4, More information on natural capital value		
~	habitat		- A2, Create a monitoring plan for the LNRS		100
65	3 <mark>(other)</mark>	Better environmental and wildlife records	- A80, A better understanding of the Bechstein's bat population in this region via survey work and plans on how to expand their population - A126, Habitat restoration projects on watercourses (e.g. flood meadow pastures, wet woodland) and waterside buffers	+	YES
			- A126, Habitat restoration projects on watercourses (e.g. nood meadow pastures, wet woodand) and waterside burrers		
			- A124, Reconnect rivers with their hoodplain		
			- A122, Address unsympathatic use of land in floodplain		
	Wildlife rich		- A123, Payments for land set aside to flood		
	habitat	More wetland wildlife through functioning	- A125, Restore wetland areas of the River Thame and Ray		
92	7 (other)	floodplains	- A127, Establish Natural Flood Management Schemes which create new wetland habitats	YES	YES

			- A39, Large scale broadleaf woodland creation projects, but must be careful not at the expense of other habitats		<u> </u>
			- A40, Promote woodland creation grant support and management planning		
			- A41, Plant woodland within urban areas		
			- A42, Plant vegetation and woodland buffers adjacent to roads and urban areas to screen, reduce and pollution and capture carbon		
			- A43, Plant woodland within agricultural land		
			- A44, Create more beech woodland and heathland to buffer and connect Burnham Beeches SAC to other nearby habitats.		
4	30 Woodland	More native woodland	- A7, Develop a habitat bank to support biodiversity net gain policy and direct funds to the right sites	YES	YES
			- A29, Better management of hedgerows and plant trees in existing hedges		
20	9 Woodland	More hedgerows in better ecological condition	- A7, Develop a habitat bank to support biodiversity net gain policy and direct funds to the right sites		YES
23	2 Woodland	Protect all ancient woodland	- A100, Better protection for priority habitats	YES	YES
			- A36, Collect data on woodland condition		
			- A37, Better management of existing woodland (including retention of deadwood) that is planned for the long term and suitably funded.		
			- A38, Create a market for woodland produce		
			- A74, Landscape scale deer management to aid woodland establishment and management, supported through funding to landowners and venison		
			market		
			- A78, Coordinated squirrel control within woodlands through funding		
			- A84, Manage woodland for owls		
			- A101, Identify barriers to good habitat management		
46	21 Woodland	More woodland in favourable management	- A52, Support LWS owners to manage and protect sites	YES	YES
47	1 Woodland	More wet woodland	- A126, Habitat restoration projects on watercourses (e.g. flood meadow pastures, wet woodland) and waterside buffers	YES	YES

## Appendix 4b - 2 Consolidated Activities (Measures)

••	No. of iten	ns
	consolidat	ed
ID	into Activi	ty Consolidated Activities (Measures)
A1		2 Receive resource to deliver strategy
A2	1	2 Create a monitoring plan for the LNRS
A3		9 Ensure the LNRS creates connections into other administrative areas
A4	I	3 More information on natural capital value
A5		1 Follow the Lawton Principles (more, bigger, better, joined up) in LNRS decision making
A6		21 Successfully embed biodiversity net gain into the planning system
A7		2 Develop a habitat bank to support biodiversity net gain policy and direct funds to the right sites
A8		12 Integrate the LNRS into spatial planning policies
A9		2 Incorporate requirements for biodiversity into all sectors (planning, farming, health etc)
A10		1 Embed the Lawton Principles (more, bigger, better, joined up) within planning policy
A11		28 Require (via policy) well designed GI in new developments which functions for biodiversity and people, such as Suds, urban trees and green roofs, open space, landscape buffers, nature corridors.
A12		4 Protect and enhance green infrastructure between developed areas
A13		1 Production of a green infrastructure map to inform decision making
A14		3 Biodiversity as key part of green infrastructure
A15		15 Reduce development (especially in the AONB and protected areas)
A16		4 Build new developments on brownfield sites (but protect gardens)
A17	L	1 Prevent development from impacting on watercourses
A18		6 Education for decision makers such as local authorities on the value of nature and how to restore nature, particularly within planning decisions
A19		2 Create greener transport links (greenways)
A20		1 Maximise nature spaces in OxCam Arc
A21	1	2 Restore the damage caused by HS2
A22		1 Use Biodiversity Opportunity Areas as focus for nature conservation
A23		2 Designate land as Wildbelt (especially around towns)
A24		1 Designate more sites for nature conservation
A25	1	2 Improve landscape quality
A26 A27		2 Understand, protect and restore historic and designed landscapes
A27 A28		1 Better understanding of how nature corridors function 5 Create new hedgerows (with trees) to act as habitat connectivity corridors
A28 A29		7 Better management of hedgerows and plant trees in existing hedges
A29 A30		1 Ensure that wildlife can move as required to respond to climate change
A31		18 Increase of Rewilding creating a connected landscape for wildlife
A31		9 More and better integrated data on species and habitats
A33		3 Undertake research on designed landscapes, parks and gardens
A34	Î.	4 Record, protect and plan for future, veteran and ancient trees
A35		13 More tree retention and planting (promote the urban tree challenge fund) using species which will adapt to climate change and continue to improve air quality
A36	ī l	1 Collect data on woodland condition
A37		15 Better management of existing woodland (including retention of deadwood) that is planned for the long term and suitably funded.
A38	Γ	3 Create a market for woodland produce
A39		10 Large scale broadleaf woodland creation projects, but must be careful not at the expense of other habitats
A40		6 Promote woodland creation grant support and management planning