The river basin management plan for the Scotland river basin district

Chapter 5 Appendices

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Appendix A: Drinking Water Protected Areas that have deteriorated or are at risk of deteriorating

Treatment works/ drinking water source that are deteriorating/ at risk of deterioration	River catchment	Source water type	Issue(s)causing deterioration/ risk of deterioration *	Catchment activities likely to be the cause of issue(s)	Current/proposed mitigation actions
Forehill	River Ugie	Lowland river	Pesticides	Arable farming	SEPA's Priority Catchment Strategy work to fully characterise issues and partnership working to identify measures.
			Elevated cryptosporidium risk due to catchment activities	Elevated cryptosporidium risk from livestock farming and potentially other sources.	
			Metaldehyde †	Arable farming	Source control is critical for metaldehyde due to lack of feasible treatment options.
Turriff	River Deveron	Lowland river	Pesticides	Arable farming	SEPA's Priority Catchment Strategy work to fully characterise issues and partnership working to identify measures.
			Elevated cryptosporidium risk due to catchment activities	Elevated cryptosporidium risk from livestock farming and potentially other sources.	
			Metaldehyde	Arable farming	Source control is critical for metaldehyde due to lack of feasible treatment options.

Treatment works/ drinking water source that are deteriorating/ at risk of deterioration	River catchment	Source water type	Issue(s)causing deterioration/ risk of deterioration *	Catchment activities likely to be the cause of issue(s)	Current/proposed mitigation actions
Glenfarg	Earn Coastal	Upland reservoir	Pesticides	Arable farming	SEPA's Priority Catchment Strategy work to fully characterise issues and partnership working to identify measures.
			Metaldehyde	Arable farming	Source control is critical for metaldehyde due to lack of feasible treatment options.
Linthrathen	River Tay	Upland reservoir	Pesticides	Arable farming	SEPA's Priority Catchment Strategy work to fully characterise issues and partnership working to identify measures.
			Elevated cryptosporidium risk due to catchment activities	Elevated cryptosporidium risk from livestock farming and potentially other sources.	
			Algal blooms indicating diffuse pollution	Agriculture	
Loch Ascog	Island of Bute Coastal	Upland reservoir	Pesticides	Agriculture	SEPA's Priority Catchment Strategy work to fully characterise issues and partnership working to identify measures.
			Algal blooms indicating diffuse pollution		

Treatment works/ drinking water source that are deteriorating/ at risk of deterioration	River catchment	Source water type	Issue(s)causing deterioration/ risk of deterioration *	Catchment activities likely to be the cause of issue(s)	Current/proposed mitigation actions
Balmalcolm	Eden	Borehole	Nitrates	Arable farming	NVZ Action Plan. SEPA's Priority Catchment Strategy work to fully characterise issues and partnership working to identify measures.
Kinnesswood	Eden	Borehole	Nitrates	Arable farming	NVZ Action Plan. SEPA's Priority Catchment Strategy work to fully characterise issues and partnership working to identify measures

* Further work is required to fully assess these issues.
† Metaldehyde is commonly used as a pesticide against snails, slugs and other gastropods in a wide range of crops including oil-seed rape and wheat. It is identified separately here because conventional drinking water purification treatment (eg activated carbon) is ineffective in its removal from water supplies and thus greater emphasis has to be placed on source control.

Appendix B: Results of shellfish waters assessment for faecal coliforms (2008 and three-year assessment) and target objectives based on current guide value for faecal coliforms

Protected area ID	Designation name	Assessment against Directive guide value for faecal coliforms		Target objectives based on current guide value for faecal coliforms		
		Annual assessment (2008)	Three year combined data assessment (2006 to 2008)	2015	2021	2027
UKS799234	Fire Ness to Elie	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS799237	Ayrshire Coast	Not achieved	Not achieved	Achieved	Achieved	Achieved
UKS799238	Kyles of Bute	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS799239	Loch Fyne Coastal Strip	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992310	Lochs Long and Goil	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992311	Broadford Bay and Kyle Area	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992312	Loch Etive	Not achieved	Not achieved	Not achieved	Achieved	Achieved
UKS7992313	Seil, Ardencaple	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992314	Loch Spelve	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992317	Cromarty Bay	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992323	Bay of Firth	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992324	Vaila Sound	Not achieved	Achieved	Not achieved	Achieved	Achieved
UKS7992326	Loch Eriboll	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992327	Loch Laxford	Achieved	Achieved	Achieved	Achieved	Achieved

Protected area ID	Designation name	Assessment against Directive guide value for faecal coliforms		Target objectives based on current guide value for faecal coliforms		
		Annual assessment (2008)	Three year combined data assessment (2006 to 2008)	2015	2021	2027
UKS7992328	Loch Kishorn	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992329	Loch Snizort	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992331	Seil Sound	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992332	Loch Creran	Not achieved	Not achieved	Not achieved	Achieved	Achieved
UKS7992334	Ardtoe and Loch Ceann Traigh	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992335	Bay of Ireland	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992336	Black Islands	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992339	Cat Firth	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992340	Colla Firth	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992341	Colonsay	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992342	Cuil Bay	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992346	Cais-Bhaig, Enard Bay	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992347	Fairlie	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992349	Gruting Voe	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992351	Upper Loch Torridon	Not achieved	Achieved	Not achieved	Not achieved	Achieved
UKS7992355	Kerrera	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992356	Kyle of Tongue	Achieved	Achieved	Achieved	Achieved	Achieved

Protected area ID	Designation name	Assessment against Directive guide value for faecal coliforms		Target objectives based on current guide value for faecal coliforms		
		Annual assessment (2008)	Three year combined data assessment (2006 to 2008)	2015	2021	2027
UKS7992360	Lismore	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992361	Little Loch Broom	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992362	Loch Ainort	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992363	Loch Caroy	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992364	Loch a' Chumhainn	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992365	Loch Craignish	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992368	Loch Eishort	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992369	Loch Ewe	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992370	Loch Eynort	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992372	Loch Glendhu	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992374	Loch Gruinart	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992375	Loch Harport	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992377	Loch Inchard	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992378	Inner Loch Leurbost	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992379	Loch Leurbost Outer	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992380	Loch Leven	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS7992381	Loch Melfort	Achieved	Achieved	Achieved	Achieved	Achieved

Protected area ID	Designation name	Assessment against Directive guide value for faecal coliforms		Target objectives based on current guide value for faecal coliforms		
		Annual assessment (2008)	Three year combined data assessment (2006 to 2008)	2015	2021	2027
UKS7992383	Loch Moidart, South Channel	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992384	Loch Nevis	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992385	Loch Roag	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992386	Loch Scridain	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992387	Loch Sligachan	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992389	Loch Striven	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992391	Lynn of Lorn	Not achieved	Not achieved	Not achieved	Achieved	Achieved
UKS7992393	Ronas Voe	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992396	Sound of Kerrera	Achieved	Achieved	Achieved	Achieved	Achieved
UKS7992397	Sound of Shuna	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS7992399	Tobermory	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923102	Voe of Clousta	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923103	Wadbister Voe	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923104	Inner West Loch Tarbert	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923105	Loup West Loch Tarbert,	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923107	Whale Firth	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS79923110	Basta Voe, Yell	Achieved	Achieved	Achieved	Achieved	Achieved

Protected area ID	Designation name	Assessment against Directive guide value for faecal coliforms		Target objectives based on current guide value for faecal coliforms		
		Annual assessment (2008)	Three year combined data assessment (2006 to 2008)	2015	2021	2027
UKS79923111	Clift Sound	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923112	Dales Voe	Not achieved	Not achieved	Not achieved	Achieved	Achieved
UKS79923113	Dornoch Firth	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS79923114	Isle of Ulva, Mull (LochTuath)	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923116	Loch Crinan	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS79923117	Loch Eil	Not achieved	Not achieved	Not achieved	Not achieved	Achieved
UKS79923118	Mid Yell Voe	Achieved	Not achieved	Achieved	Achieved	Achieved
UKS79923119	Busta Voe, Linga Voe and Olna Firth	Achieved	Achieved	Achieved	Achieved	Achieved
UKS79923120	Baltasound Voe *	n/a	n/a	n/a	n/a	n/a
UKS79923121	South Wick, Cullivoe, Yell *	n/a	n/a	n/a	n/a	n/a
UKS79923122	Sandsound Voe *	n/a	n/a	n/a	n/a	n/a
UKS79923123	Loach Ailort *	n/a	n/a	n/a	n/a	n/a

* Waters newly designated in 2008. Assessment not yet carried out.

Appendix C: Projected classification under Directive 2006/7/EC (based on data from 2004 to 2008) and target objectives for bathing waters

Protected area ID	Bathing water name	Projected classification under Directive 2006/7/EC	Target objectives based on Directive 2006/7/EC for 2015
UKS7616082	Seacliff	Excellent	Excellent
UKS7616011	Crail (Roome Bay)	Excellent	Excellent
UKS7616064	Elie (Harbour) and Earlsferry	Excellent	Excellent
UKS761608	Burntisland	Excellent	Excellent
UKS761602	Aberdour (Silver Sands)	Excellent	Excellent
UKS7616059	Thorntonloch	Excellent	Excellent
UKS7616062	Whitesands	Excellent	Excellent
UKS7616017	Dunbar (Belhaven)	Excellent	Excellent
UKS7616026	Gullane	Excellent	Excellent
UKS7616030	Kingsbarns	Excellent	Excellent
UKS7616055	Coldingham	Excellent	Excellent
UKS7616077	Lunan Bay	Excellent	Excellent
UKS7616035	Montrose	Excellent	Excellent
UKS761607	Broughty Ferry	Excellent	Excellent
UKS7616084	Tentsmuir Sands	Excellent	Excellent
UKS7616065	Elie (Ruby Bay)	Excellent	Excellent

Protected area ID	Bathing water name	Projected classification under Directive 2006/7/EC	Target objectives based on Directive 2006/7/EC for 2015
UKS7616034	Machrihanish	Excellent	Excellent
UKS7616068	Culzean	Excellent	Excellent
UKS7616016	Dornoch	Excellent	Excellent
UKS7616070	Findhorn	Excellent	Excellent
UKS7616066	Achmelvich	Excellent	Excellent
UKS7616067	Broad Sands	Excellent	Excellent
UKS7616075	Loch Morlich	Excellent	Excellent
UKS7616029	Kinghorn (Pettycur)	Good	Good
UKS7616018	Dunbar (East)	Good	Good
UKS7616039	North Berwick (Milsey Bay)	Good	Good
UKS7616063	Yellowcraig	Good	Good
UKS7616057	St. Andrews (West Sands)	Good	Good
UKS7616041	Pease Bay	Good	Good
UKS761603	Arbroath (West Links)	Good	Good
UKS7616060	Troon (South Beach)	Good	Good
UKS7616015	Dores	Good	Good
UKS7616019	Dunnet	Good	Good
UKS7616085	Thurso	Good	Good
UKS7616013	Cullen Bay	Good	Good

Protected area ID	Bathing water name	Projected classification under Directive 2006/7/EC	Target objectives based on Directive 2006/7/EC for 2015
UKS7616043	Fraserburgh (Philorth)	Good	Good
UKS7616042	Peterhead (Lido)	Good	Good
UKS7616023	Fraserburgh (Tiger Hill)	Good	Good
UKS761605	Balmedie	Good	Good
UKS7616032	Longniddry	Good	Good
UKS7616074	Leven	Sufficient	Sufficient
UKS7616040	North Berwick (West)	Sufficient	Sufficient
UKS761609	Carnoustie	Sufficient	Sufficient
UKS7616056	St. Andrews (East Sands)	Sufficient	Sufficient
UKS7616051	Seton Sands	Sufficient	Sufficient
UKS7616024	Ganavan	Sufficient	Sufficient
UKS7616078	Lunderston Bay	Sufficient	Sufficient
UKS7616038	Nairn (East)	Sufficient	Sufficient
UKS7616037	Nairn (Central)	Sufficient	Sufficient
UKS7616027	Inverboyndie	Sufficient	Sufficient
UKS7616072	Kinghorn (Harbour Beach)	Poor	Sufficient
UKS7616044	Portobello (Central)	Poor	Sufficient
UKS7616045	Portobello (West)	Poor	Sufficient
UKS7616022	Eyemouth	Poor	Sufficient

Protected area ID	Bathing water name	Projected classification under Directive 2006/7/EC	Target objectives based on Directive 2006/7/EC for 2015
UKS7616073	Kirkcaldy (Seafield)	Poor	Sufficient
UKS7616031	Largs (Pencil Beach)	Poor	Sufficient
UKS7616014	Millport Bay	Poor	Sufficient
UKS7616083	Seamill	Poor	Sufficient
UKS7616049	Saltcoats/Ardrossan	Poor	Sufficient
UKS7616028	Irvine	Poor	Sufficient
UKS7616046	Prestwick	Poor	Sufficient
UKS761604	Ayr (South Beach)	Poor	Sufficient
UKS7616071	Heads of Ayr	Poor	Sufficient
UKS7616079	Maidens	Poor	Sufficient
UKS7616025	Girvan	Poor	Sufficient
UKS7616021	Ettrick Bay	Poor	Sufficient
UKS7616033	Luss Bay	Poor	Sufficient
UKS7616081	Rosemarkie	Poor	Sufficient
UKS7616076	Lossiemouth (East)	Poor	Sufficient
UKS7616048	Rosehearty	Poor	Sufficient
UKS7616012	Cruden Bay	Poor	Sufficient
UKS761601	Aberdeen	Poor	Sufficient
UKS7616058	Stonehaven	Poor	Sufficient

Appendix D: Site condition assessment, target objectives and site-specific measures for SACs and SPAs currently classed as at unfavourable status

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
UK0012638	Dunkeld–Blairgowrie Lochs	SAC	Slender naiad (*Najas flexilis*)	Nutrient enrichment from point and diffuse sources combined with effects of alien species, Canadian pondweed (*Elodea canadensis*)	Reduction in diffuse and point source nutrient inputs combined with control of alien species	Unfavourable	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Natural conditions: Timescale for improvement limited by natural rate of recovery of species. Cannot be reliably predicted.
UK0012682	Taynish and Knapdale Woods	SAC	Loch habitat	Effects of alien species, Canadian pondweed (*Elodea canadensis*)	Control of alien species	Unfavourable	Favourable/ unfavourable recovering	Favourable	Natural conditions: Timescale for improvement limited by natural rate of recovery of habitat. Cannot be reliably predicted.
UK0012713	South Uist Machair	SAC	Calcium-rich, nutrient-poor lakes, lochs and	Effects of alien species, Canadian pondweed (*Elodea canadensis*)	Control of alien species	Unfavourable	Favourable/ unfavourable recovering	Favourable	Natural conditions: Timescale for improvement limited by natural rate of recovery of

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
			pools						habitat. Cannot be reliably predicted.
UK0012870	Rannoch Moor	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Unknown	Research to identify cause, including salmonid numbers, and design measures	Unfavourable	Unfavourable	Favourable/ unfavourable recovering	Technical infeasibility and natural conditions: Improvement delayed because (a) cause of impact unknown so not yet feasible to identify action and (b) timescale of improvement following action limited by natural rate of recovery of species. Cannot be reliably predicted.
UK0012935	North Harris	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Combination of morphological alterations and low density of salmonid fish (cause uncertain)	Research to identify cause of low salmonid fish numbers and design measures; restoration of	Unfavourable	Unfavourable	Favourable/ unfavourable recovering	Technical infeasibility and natural conditions: Improvement delayed because (a) cause of impact unknown so not yet feasible

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
					morphological characteristics				to identify action and (b) timescale of improvement following action limited by natural rate of recovery of species. Cannot be reliably predicted.
UK0012994	River Moidart	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Unknown	Research to identify cause and design measures	Unfavourable	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Technical infeasibility and natural conditions: Improvement delayed because (a) cause of impact unknown so not yet feasible to identify action and (b) timescale of improvement following action limited by natural rate of recovery of species. Cannot be reliably predicted.
UK00198	Mòine	SAC	Atlantic	Morphological	Restoration of	Favourable/	Favourable	Favourable	Natural conditions:

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
39	Mhór		salt meadows	alterations	morphological condition	unfavourable recovering			Rate of improvement limited by natural rate of recovery of species. Cannot be reliably predicted.
UK0030079	Ardnamurchan Burns	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Cause uncertain – morphological alterations and a barrier to fish migration may be contributing.	Research to identify cause and design measures	Unfavourable	Unfavourable	Favourable/ unfavourable recovering	Technical infeasibility and natural conditions: Improvement delayed because (a) cause of impact unknown so not yet feasible to identify action and (b) timescale of improvement following action limited by natural rate of recovery of species. Cannot be reliably predicted
UK0030081	Abhainn Clais An Eas and	SAC	Freshwater pearl mussel	Discharges from septic tanks identified as	Improve discharges from septic	Unfavourable	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Technical infeasibility and natural conditions:

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
	Allt a`Mhuilinn		(*Margaritifera margaritifera*)	contributing factor. Status of host salmonid population unknown	tanks and research to identify and design measures				Improvement delayed because (a) cause of impact unknown so not yet feasible to identify action and (b) timescale of improvement following action limited by natural rate of recovery of species. Cannot be reliably predicted.
UK0030154	Glen Beasdale	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Combination of morphological alterations and low density of salmonid fish (cause uncertain)	Research to identify cause of low salmonid fish numbers and design measures; restoration of morphological characteristics	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	
UK0030171	Inverpolly	SAC	Freshwater pearl mussel	Combination of morphological alterations, point	Restoration of morphological characteristics	Unfavourable	Unfavourable	Favourable/ unfavourable recovering	Technical infeasibility: Improvement

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
			(*Margaritifera margaritifera*)	source pollution and unknown pressure	, reduce point source inputs and research to identify cause and design measures				delayed because cause of impact unknown so not yet feasible to identify action.
UK0030191	Loch Fada	SAC	Clear-water lakes or lochs with aquatic vegetation and poor to moderate nutrient levels	Effects of alien species, Canadian pondweed (*Elodea canadensis*)	Control of alien species and further research on control measures	Unfavourable	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Technical infeasibility: No reliable means of eradicating this alien species.
UK0030206	Mingarry Burn	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Morphological alterations, barriers to fish migration, forestry	Restoration of morphological characteristics , improve fish passage, reduce sediment input.	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
UK0030231	Ardvar and Loch a`Mhuilin n Woodlands	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Unknown	Research to identify cause and design measures	Unfavourable	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Technical infeasibility: Improvement delayed because cause of impact unknown so not yet feasible to identify action.
UK0030251	River Dee	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Combination of morphological alterations, abstraction and unknown pressure	Restoration of morphological characteristics, control abstraction and research to identify cause and design measures	Unfavourable	Unfavourable	Favourable/ unfavourable recovering	Technical infeasibility: Improvement delayed because cause of impact unknown so not yet feasible to identify action.
UK0030259	River Moriston	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Morphological alterations	Research to design measures, amend regulated flows to benefit freshwater pearl mussels	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
UK0030260	River Naver	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Morphological alterations	Research to design measures, restoration of morphological characteristics	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	
UK0030262	River South Esk	SAC	Freshwater pearl mussel (*Margaritifera margaritifera*)	Combination of morphological alterations, point source and diffuse pollution	Reduction in diffuse and point source inputs combined with restoration of morphological characteristics	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	
UK0030298	Urquhart Bay Wood	SAC	Alder woodland on floodplains	Combination of effects of alien species and morphological alterations	Control of alien species, restoration of morphological characteristics	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	
UK0030254	River Evelix	SAC	Freshwater pearl mussel (*Margaritifera margaritife*	Combination of abstraction and suspected diffuse pollution	Research to identify cause and design measures	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
			ra)						
UK9001552	Loch Knockie and Nearby Lochs	SPA	Slavonian grebe (*Podiceps auritus*)	Unknown	Research to identify cause and design measures	Unfavourable	Unfavourable	Favourable/Unfavourable recovering	Technical infeasibility: Improvement delayed because cause of impact unknown so not yet feasible to identify action.
UK0019804	North Uist Machair	SAC	Naturally nutrient-rich lakes or lochs which are often dominated by pondweed, Slender naiad (*Najas flexilis*)	Effects of alien species, Nuttall's pondweed *(Elodea nuttalli)*	Control alien species	Unfavourable	Unfavourable	Favourable/ unfavourable recovering	Technical infeasibility: No reliable means of eradicating this alien species.
UK0030344	Onich to North Ballachulish Woods	SAC	Mixed woodland on base-rich soils associated	Effects of alien species	Control alien species	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	

Protected area ID	Name of SAC/ SPA	SAC / SPA	Species/ habitat of Interest	Estimated cause(s) of unfavourable condition	Planned measures	Target objectives			Reason for extended deadline
						2015	2021	2027	
			with rocky slopes						
UK0030177	Kippenrait Glen	SAC	Mixed woodland on base-rich soils associated with rocky slopes	Effects of alien species	Control alien species	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	
UK0030209	Loch Moidart and Loch Shiel Woods	SAC	Mixed woodland on base-rich soils associated with rocky slopes	Effects of alien species	Control alien species.	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	Favourable/ unfavourable recovering	
UK0013044	Barry Links	SAC	Shifting dunes with marram Coastal dune heathland, shifting dunes	Combination of morphological alterations and an unknown pressure	Research to identify cause and design measures and restoration of morphological characteristics	Unfavourable	Unfavourable	Unfavourable Favourable/ unfavourable recovering	Technical infeasibility: Improvement delayed because cause of impact unknown so not yet feasible to identify action.