Council



Annual Progress Report on Actions taken under the Implementation Plan for the Calendar Year 2023 UK – Scotland

CNL(24)28

Annual Progress Report on Actions taken under the Implementation Plan for the Calendar Year 2023

The Annual Progress Reports allow NASCO to evaluate progress on actions taken by Parties / jurisdictions to implement its internationally agreed Resolutions, Agreements and Guidelines and, consequently, the achievement of their objectives and actions taken in accordance with the Convention. The following information should be provided through the Annual Progress Reports:

- any changes to the management regime for salmon and consequent changes to the Implementation Plan;
- actions that have been taken under the Implementation Plan in the previous year;
- significant changes to the status of stocks, and a report on catches; and
- actions taken in accordance with the provisions of the Convention.

In completing this Annual Progress Report please refer to the Guidelines for the Preparation and Evaluation of NASCO Implementation Plans and for Reporting on Progress, CNL(18)49.

These reports will be reviewed by the Council. Please complete this form and return it to the Secretariat no later than 1 April 2024.

Party:	United Kingdom
Jurisdiction / Region:	Scotland

1: Changes to the Implementation Plan

1.1 Describe any proposed revisions to the Implementation Plan (Where changes are proposed, the revised Implementation Plans should be submitted to the Secretariat by 1 November).

None

1.2 Describe any major new initiatives or achievements for salmon conservation and management that you wish to highlight.

The Scottish Wild Salmon Strategy Implementation Plan was published in February 2023 (https://www.gov.scot/publications/wild-salmon-strategy-implementation-plan-2023-2028/). A companion piece to the high-level strategy published in early 2022, the implementation plans sets out a suite of actions and initiatives that will be the focus of collective efforts across a range of government and non-government stakeholders over the 5-year period.

- 2: Stock status and catches.
- 2.1 Provide a description of any new factors that may affect the abundance of salmon stocks significantly and, if there has been any significant change in stock status since the

development of the Implementation Plan, provide a brief (200 word max) summary of these changes.

The start of the 2023 fishing season was characterised by warm temperatures which led the Wild Salmon Strategy Implementation Plan Science Advisory Board to issue guidance on angling in high water temperatures based on the available evidence regarding fish welfare (Breau, 2012; Van Leeuwen et al, 2020). The recommendation was to cease angling activities at temperatures above 20°C (68°F), and to take extra care at temperatures between 18°C - 20°C (64°F - 68°F), following best catch and release practice at all times.

2.2 Provide the following information on catches: (nominal catch equals reported quantity of salmon caught and retained in tonnes 'round fresh weight' (i.e. weight of whole, ungutted, unfrozen fish) or 'round fresh weight equivalent').

verigi o gene jeste) or i o	unu ji esit weight eq	titi ji		
(a) provisional nominal	In-river	Estuarine	Coastal	Total
catch (which may be	3.44	1.12	0	4.56
subject to revision) for				
2023 (tonnes)				
(b) confirmed nominal	4.29*	1.87*	0	6.16*
catch of salmon for				
2022 (tonnes)				*updated 2022
				catch data
				published in
				February 2024 are
				provisional pending
				publication of
				official statistics
				later in 2024
				Scottish salmon
				and sea trout
				<u>fisheries:</u>
				provisional
				statistics 2023 -
				gov.scot
(a) actimated	0.3	0.1	0	(www.gov.scot)
(c) estimated	[0.3]	[0.1]	[Y]	[0.3]
unreported catch for				
2023 (tonnes)	31 280 wild origin	salmon were couch	t and released in roa	d & line recreational
(d) number and percentage of salmon	, · · · · · · · · · · · · · · · · · · ·	96 % of total rod ca		1
	1151101105 111 2025 (70 70 01 total 10d ca	Len, [provisional da]
caught and released in recreational fisheries in				
2023	1			

3: Implementation Plan Actions.

3.1 Provide an update on progress on actions relating to the Management of Salmon Fisheries (section 2.9 of the Implementation Plan).

Note: the reports under 'Progress on action to date' should provide a **brief overview** of each action. Please report in relation to the reporting year only or the most relevant recent year. For all actions, provide **clear and concise quantitative** information to demonstrate progress. In circumstances where quantitative information cannot be provided for a particular action because of its nature, a clear rationale must be given for not providing quantitative information and other information should be

(e.g.	1 0	nat action to be evaluated. While referring to additional material ssist those seeking more detailed information, this will not be
		Continued annual assessment of Seatland's steels using an
Action F1-1:	Description of action (as submitted in the IP)	Continued annual assessment of Scotland's stocks using an adult based assessment method based on rod catch information and additional ancillary data.
	Expected outcome (as submitted in the IP)	Various aspects of the process are published in peer reviewed journals in advance of the 2022 fishing season, recognising the robustness of Scotland's assessment.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	In advance of the 2022 season the overall aim is to be in a position to assess the combined impacts of five years of the conservation measures being in place, alongside continuing developments in the adult model, which will have been fully and transparently peer-reviewed.
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	The status of the stocks in assessable areas is estimated annually and expressed as the average probability that the potential egg deposition exceeded the egg requirement over the previous 5 years. Stocks are allocated to one of three categories; good (greater than 80% chance of meeting CL), moderate (between 60% and 80%), and poor conservation statis (less than 60%). In 2023 the conservation status of stocks was assessed using data for the return years 2018 to 2022, and was used to inform fisheries management measures for these stocks that will apply for the 2024 fishing season. Of the 173 areas, 32 (18%) were categorised as good; 29 (17%) as moderate and the remaining 112 (65%) as poor conservation status.
		Weighting these data by the most recent estimated stock size in the areas assessed, 83% of the Scottish salmon stock was associated with areas in good conservation status, 11% with moderate areas and 6% with areas categorised as poor.
	Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing')	Ongoing
	If 'Completed', has the action achieved its objective?	
Action F1-2:	Description of action (as submitted in the IP)	Development of a complementary juvenile assessment tool based on a strategically designed programme of electrofishing (National Electrofishing Programme for Scotland: NEPS) delivered through local fisheries management organisations.
	Expected outcome (as submitted in the IP)	An adult based assessment method, based on rod catch information and additional ancillary data, read alongside a juvenile assessment tool, based on electrofishing data collected

Action F1-3:	Description of action (as submitted in the IP)	A small research study conducted over three-years with three main goals: 1) to assess immediate effects of catch-and-release angling on the physiology and behaviour of adult Atlantic
	If 'Completed', has the action achieved its objective?	
	ongoing action that is reported on annually, it should be marked as 'Ongoing')	
	action is complete for the lifetime of the third reporting cycle. If it is an	
	Current status of action (Please note: 'Completed' means that the overall	Ongoing
		The standard juvenile assessment procedures remain consistent with previous years although work is underway to improve site-wise assessments of status by including water quality and local habitat in abundance models. Such developments have the potential to improve our understanding of the impacts of particular pressures at a local scale, but could not replace existing assessment approaches that were designed to provide larger catchment, regional or national assessments.
	evaluated)	In the summer of 2023, the Scottish Government funded a NEPS sampling programme that included water quality sampling, and genetic sampling of juvenile salmon parr to assess for introgression from farmed fish escapes. Analysis of these data is under way and is expected to report in 2024.
	(Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be	Programme for Scotland (NEPS) programme to be run for at least nine sampling occasions without the need for further time consuming re-design. The new survey benefited from improved representation of the rivers where sampling could be undertaken (the sample frame) and the addition of strata that allow for improved reporting and regional variation in sample numbers. The new strata included smaller salmon Special Areas of Conservation rivers to allow for greater sample numbers and improved assessments where resources allow.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP) Progress on action to date	Juvenile assessments will be used to supplement adult assessments on the status of salmon populations and inform management actions at national and local scales. Data on the status of juvenile fish populations will provide further assurance of the efficacy of conservation measures. A new GRTS survey design was completed in 2023. This design was intended to allow a National Electrofishing
		at a local level, deliver a greater level of confidence in the status of Scotland's wild Atlantic salmon stocks and a better measure of the potential impact of our measures to mitigate the pressures on the stocks.

	Expected outcome (as submitted in the IP)	salmon; 2) to study, for the first time in the context of catch-and-release angling, transgenerational effects of maternal stress on offspring physiology and behaviour; and 3) potentially to provide new understanding of the impacts of catch-and-release angling for consideration in guidelines for anglers and models underpinning national fishery regulations. This project will provide the first scientific evidence for incorporating lethal and sub-lethal effects of catch-and-release into MSS's estimates of spawning escapement and conservation limits. The information will be important for devising catch-
		and-release protocols and setting angling seasons if effects of catch-and-release are sensitive to time from spawning. Findings will be disseminated by MSS through FMS, the IFM and the International Council for Exploration of the Seas working groups to NASCO.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	This project will improve our understanding of the impacts of catch and release on stocks. If impacts are shown to be greater than currently understood then this could inform future decisions on the use of catch and release in rivers that fail to meet their Conservation Limit.
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g.	The research study has completed and published (see APR for 2021) Work is ongoing with partner organisations to update catch and release guidance.
	website links) will not be evaluated) Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing')	Completed
	If 'Completed', has the action achieved its objective?	Y
Action F2:	Description of action (as submitted in the IP)	Review of Scotland's inshore marine gill net legislation. Illegal gill netting, very close to the shore, remains a recurrent issue, because the existing regulation allows illegal operators to claim that they are targeting species other than Atlantic salmon and sea trout. We will consider introducing new legislation to

		prohibit the deployment of gill nets where this could result in a
		high risk of a salmon and/or sea trout bycatch.
	Expected outcome	Reduced illegal wild Atlantic salmon catches by the end of
	(as submitted in the IP)	the five-year NASCO plan period.
	Approach for	Marine Scotland will work closely with FMS and its members,
	monitoring effectiveness	as well as sea fisheries stakeholders, including but not limited to
	& enforcement	Inshore Fisheries Groups (IFGs).
	(as submitted in the IP)	
	Progress on action to	Not progressed during the reporting period.
	date	
	(Provide a brief overview	
	with a quantitative	
	measure, or other justified	
	evaluation, of progress. If	
	sub-actions are completed	
	during the reporting year,	
	this should be made clear.	
	Other material (e.g.	
	website links) will not be evaluated)	
	Current status of action	Ongoing
		Ongoing
	(Please note: 'Completed' means that the overall	
	action is complete for the	
	lifetime of the third	
	reporting cycle. If it is an	
	ongoing action that is	
	reported on annually, it	
	should be marked as	
	'Ongoing')	
	If 'Completed', has the	
	action achieved its	
	objective?	
3.2 Prov		ress on actions relating to Habitat Protection and
	oration (section 3.5 of the I	9
	,	on action to date' should provide a brief overview of each action.
		orting year only or the most relevant recent year. For all actions,
		tive information to demonstrate progress. In circumstances where
		provided for a particular action because of its nature, a clear
ration	nale must be given for not pro	viding quantitative information and other information should be
provi	ded to enable progress with th	nat action to be evaluated. While referring to additional material
		ssist those seeking more detailed information, this will not be
	ated by the Review Group.	
Action	Description of action	Reductions in point source and diffuse pollution will be
H1-1:	(as submitted in the IP)	achieved through River Basin Management Planning (RBMP)
		and associated Regulations including "General Binding Rules"
		(GBRs). Adherence to other guidelines, such as Managing forest
		operations to protect the water environment, will also contribute
		to the reduction of diffuse pollution. GBRs include a range of
		land use requirements to reduce diffuse pollution through measures such as buffer strips to reduce fine sediment and
		measures such as butter surps to reduce time sediment and

	nutrient delivery and encourage the growth of riparian vegetation.
	In RBMP cycle 1 there were 14 Priority Catchments selected where SEPA worked with farmers to reduce diffuse pollution. In RBMP cycle 2 from 2015 to 2021 all other predominantly agricultural catchments (57 in total) have been selected with audits of all farms to reduce diffuse pollution. To date SEPA has visited 5277 farming units in 43 of the 57 Priority catchments.
Expected outcome	Through RBMP the Diffuse Pollution Management Advisory Group (DPMAG) was set up as partnership that focuses on protecting and improving Scotland's water environment by reducing rural diffuse pollution. DPMAG have developed a two tiered strategy approach to reduce diffuse pollution in Scotland: a national campaign to prevent water bodies from deteriorating in status and make improvement where they are not far from a status boundary; and a targeted approach in priority catchments. The Rural Diffuse Pollution Plan for Scotland aims to ensure that the key stakeholders in Scotland work in a co-ordinated way to reduce diffuse pollution from rural sources. RBMPs utilise SEPA classification results to set objectives for
(as submitted in the IP)	improving the water environment over a six year cycle, the current being from 2015 to 2021. The third RBMPs will build on the work completed under RBMP2 up to 2021 to reduce point source and diffuse pollution pressures and will prioritise future targets up to 2027.
	Once the new online, GIS pressures mapping tool is delivered, our target will be for it to show a reduction, by the end of the five-year NASCO plan period, in the river length affected by acidification; point-source pollution; diffuse pollution; other pollution; changing rainfall patterns; eutrophication; and / or oligotrophication.
Approach for monitoring effectiveness & enforcement (as submitted in the IP)	SEPA has produced an annual RBMP classification for all the water bodies in Scotland since 2007. Classification results for the current and previous years can be found on the Water Classification Hub. In general, the classification of water bodies describes by how much their condition or status differs from near natural conditions and includes a range of biological quality elements supported by measurements of chemistry.
	The new online, GIS pressures mapping tool should allow us to identify the length and proportion of individual and/or collective rivers impacted by this pressure.
Progress on action to date	SEPA's work to ensure compliance with GBR requirements to reduce diffuse pollution from agriculture is being scaled up, with visits to more catchments to be undertaken. Work is ongoing in 46 catchments to address diffuse pollution. During 2023 SEPA completed 341 initial farm compliance visits in 6 new priority catchments and 243 revisits to non-
(Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If	compliant farms in other priority catchments.

	1 1	
	sub-actions are completed	
	during the reporting year,	
	this should be made clear.	
	Other material (e.g.	
	website links) will not be	
	evaluated)	
	Current status of action	Ongoing
	(Please note: 'Completed'	
	means that the overall	
	action is complete for the	
	lifetime of the third	
	reporting cycle. If it is an	
	ongoing action that is	
	reported on annually, it	
	should be marked as	
	'Ongoing')	
	If 'Completed', has the	
	action achieved its	
	objective?	
A 4.	 	Franches the hone of the description of the second of the
Action	Description of action	Explore the benefit and feasibility of nutrient enrichment in
H1-2:	(as submitted in the IP)	upland oligotrophic parts of river systems.
	Expected outcome	Our aspiration is that nutrient enrichment in upland oligotrophic
	(as submitted in the IP)	parts of river systems improves the size, condition and therefore
		marine survival of smolts. Next stages of work are expected to
		provide knowledge on how to add nutrients effectively on large
		scale and across a range of river types.
	Approach for	We have established and published in peer-reviewed literature
	monitoring effectiveness	that 1) that addition of nutrients to streams in nutrient-poor
	& enforcement	upland streams increases growth and condition of salmon parr;
	(as submitted in the IP)	2) that longer and better condition smolts have higher marine
		survival. Next stages of work will establish whether nutrient
		additions can be applied over large spatial scales to increase
		numbers of smolts and/ or individual survival through effects on
		body size and/or condition. Any such action will need to be
		considered within the wider aims of the RBMP process to ensure
		appropriate nutrient balance.
	Progress on action to	PhD thesis complete: Fionn R Bernthall (2023). Effects of
	date	upland stream nutrient restoration on populations of Atlantic
	(Provide a brief overview	salmon. University of Glasgow. <u>2023BernthalPhD.pdf</u>
	with a quantitative	(gla.ac.uk)
	measure, or other justified	
	evaluation, of progress. If	
	sub-actions are completed	
	during the reporting year,	
	this should be made clear.	
	Other material (e.g.	
	website links) will not be	
	evaluated)	
	Current status of action	Completed
	(Please note: 'Completed'	
	means that the overall	
	means mai me overan	

	action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing') If 'Completed', has the action achieved its objective?	Yes
Action H2:	Description of action (as submitted in the IP)	River Basin Management Plans (RBMP) have identified that the main pressures on flows and levels in Scotland are from water abstractions or reservoirs used for hydroelectricity generation, the irrigation of crops and the manufacture of food and drink along with public water supplies to a lesser extent. This assessment includes consideration of salmon flow requirements. SEPA will work with hydroelectricity producers, farmers and other businesses abstracting water or storing it in reservoirs, to ensure that they take the actions necessary to improve water flows and levels during the current RBMP cycle and beyond. Scottish Water is investing, in the current investment programme 2015-21, to improve abstraction regimes in nine water resource zones to ensure that there is sufficient water remaining in the water bodies during periods of low rainfall. SEPA assesses any new abstraction proposal against standards in the current regulatory framework to prevent deterioration of good ecological status/ potential of the water environment and
	Expected outcome (as submitted in the IP) Approach for monitoring effectiveness & enforcement (as submitted in the IP)	River Basin Management Plans (RBMPs) utilise SEPA classification results to set objectives for improving the water environment over a six year cycle, the current RBMP2 being from 2015 to 2021. The third RBMPs will build on the work completed under RBMP2 up to 2021 to reduce abstraction and flow regulation pressures and will prioritise future targets up to 2027. Once the new online, GIS pressures mapping tool has been delivered, our target will be for it to show a reduction, by the end of the five-year NASCO plan period, in the river length affected by abstraction; flow regulation; upland/agriculture land-use and drainage; and / or forestry drainage. The Scottish Environment Protection Agency (SEPA) has produced an annual RBMP classification for all the water bodies in Scotland since 2007. Classification results for the current and previous years can be found on the Water Classification Hub. In general, the classification of water bodies describes by how much their condition or status differs from near natural conditions and includes supporting hydrology (changes to water levels and water flows) elements.

	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	The effectiveness of changing flow regimes will be assessed through regular WFD monitoring. Where fish are the target of the altered flow regime, they will form part of the assessment process. Regular inspections by SEPA staff will be used to assess compliance with licenses and license reviews will be carried out as necessary. MSS has undertaken significant research to improve understanding of the effects of flow regime on Atlantic salmon. These studies reveal the limitation of historical approaches such as Physical Habitat Simulation System (PHABSIM) for decision making and have the potential to improve understanding of the relationships between discharge and Atlantic salmon in managed systems and inform scientifically defensible adjustments to flow regime in the future. SEPA continued to deliver the objectives set out in the third river basin management plans and work with land owners and operators to identify mitigation and improvement actions for water bodies impacted by changes to water levels and flows. This includes improving our understanding of the impacts of reduced flows. This work is on-going. In 2023, priorities were agreed and a timeline developed with operators to ensure the measures to improve flows and levels impacted by hydropower are delivered by 2027. SEPA, working closely with partners, managed a significant water scarcity event across several catchments during the summer of 2023.
	Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing') If 'Completed', has the	Ongoing
	action achieved its objective?	
Action H3:	Description of action (as submitted in the IP)	Implement Scotland's Second Climate Change Adaptation Programme (SCCAP2). This will highlight Scotland's adaptation priorities going forward.
	Expected outcome (as submitted in the IP)	Riparian shade to be increased in sensitive and appropriate water bodies, through collaborative projects undertaken by DSFBs and / or Fisheries Trusts.

Approach for monitoring effectiveness & enforcement	MSS has established the Scotland River Temperature Monitoring Network (SRTMN), in collaboration with FMS members and University of Birmingham ¹ .
(as submitted in the IP)	This project has produced models to map rivers' reaches that are most vulnerable to temperature change. This project will continue to monitor river temperature and improve tools for management decision making, focussed on riparian tree planting. These tools will be made available online through the National Marine Plan Interactive (NMPi) website and other appropriate online resources.
	Future work aims to (1) Model mean daily temperature to better understand relationships between river temperature and salmonids in the natural environment; (2) incorporate river temperature into the national juvenile Atlantic salmon density model to identify critical thresholds for production; and (3) undertake climate change projections for Scottish rivers.
	The new online, GIS pressures mapping tool should allow us to identify the length and proportion of individual and/or collective rivers impacted by loss of shading; over-shading; changing temperature patterns; thermal discharge; hydro modification; and / or other.
Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	Using tools developed through Scotland's River Temperature Monitoring Network, Scottish Forestry (the Scottish Government agency responsible for forestry policy, support and regulation) identified 175,000 hectares of riparian land for woodland planting that is now eligible for an increased grant rate under the Forestry Grant Scheme, which will deliver multiple benefits, including reducing river temperatures for the benefit of Atlantic salmon. Scottish Forestry - Boosting tree planting around rivers and streams
Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing')	Ongoing
If 'Completed', has the action achieved its objective? Description of action	Prevention of morphological impacts and passive recovery of
(as submitted in the IP)	watercourses will be achieved through the controlled activity

_

 $^{^{1}\} https://www2.gov.scot/Topics/marine/Salmon-Trout-Coarse/Freshwater/Monitoring/temperature$

		1.1 (0.17) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Action H4:	Expected outcome (as submitted in the IP)	regulations (CAR) and associated "General Binding Rules" and adherence to other guidelines such as the forest and water guidelines. GBRs include requirements for buffer strips to reduce fine sediment and nutrient delivery and encourage the growth of riparian vegetation. River Basin Management Plans (RBMPs) utilise SEPA classification results to set objectives for improving the water environment over a six year cycle, the current RBMP2 being from 2015 to 2021. The third RBMPs will build on the work completed under RBMP2 up to 2021 to reduce morphology
	Annual Con	Once the new online, GIS pressures mapping tool is delivered, our target will be for it to show a reduction, by the end of the five-year NASCO plan period, in the river length affected by sedimentation; loss of sediment transfer; lack of, or excessive, large woody debris; canalisation / dredging / boulder removal.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	The Scottish Environment Protection Agency (SEPA) has produced an annual RBMP classification for all the water bodies in Scotland since 2007. Classification results for the current and previous years can be found on the Water Classification Hub. In general, the classification of water bodies describes by how much their condition or status differs from near natural conditions and includes supporting morphology elements.
		The new online, GIS pressures mapping tool should allow us to identify the length and proportion of individual and/or collective rivers impacted by this pressure. A range of new indicators is also being developed by SEPA to
		improve assessment of fine sediment and morphological impacts.
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	SEPA assesses the physical condition of the water environment to understand the extent and impacts of modifications and structures, such as embankments; culverts; and the widening and straightening of rivers. The physical condition of Scotland's water environment is now at good or better condition in 90% of waters. Action to tackle modifications to the physical condition of rivers and lochs through the third River Basin Management Plans aim to see improvements to 92% at good or better condition for physical condition by 2027 and 97% in the long-term through natural recovery.
	Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing')	Ongoing

	If 'Completed', has the action achieved its objective?	
Action H5:	Description of action (as submitted in the IP)	The UK Forestry Standard (UKFS) and its supporting Forests and Water Guidelines require that: 'Where new planting or restocking is proposed within the catchments of water bodies at risk of acidification, an assessment of the contribution of forestry to acidification and the recovery process should be carried out; details of the assessment procedure should be agreed with the water regulatory authority'. This guidance, agreed by the relevant forestry, water and nature conservation authorities in the UK, describes how to meet this requirement, including the need to undertake a critical load assessment where new planting or restocking is proposed within the catchments of water bodies that are failing or at risk of failing Good Ecological Status due to acidification, and a site impact assessment where felling is planned. The benefits of riparian native woodland will be reinstated on water courses as part of the initiative to moderate river temperatures outlined in H3.
	Expected outcome (as submitted in the IP) Approach for monitoring effectiveness & enforcement (as submitted in the IP)	Once the new online, GIS pressures mapping tool is delivered, our target will be for it to show a reduction, by the end of the five-year NASCO plan period, in the river length affected by loss of natural riparian vegetation and/or conifer afforestation. Guidance, agreed by the relevant forestry, water and nature conservation authorities in the UK, describes how to meet the requirement described above, including the need to undertake a critical load assessment where new planting or restocking is proposed within the catchments of water bodies that are failing or at risk of failing Good Ecological Status due to acidification, and a site impact assessment where felling is planned. We acknowledge that it is important to ensure that any impacts on fish, including wild salmon, are picked up by the current processes in order that management action can be prioritised. In some cases, particularly in SW Scotland, local monitoring suggests impacts on juvenile fish.
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated) Current status of action	After a comprehensive review process the 5th edition of the UK Forestry Standard was published in Oct 2023 with specific requirements and guidelines for the protection of the water environment, including salmonids. Forest Research - Great Britain's principal organisation for forestry and tree-related research - is currently working on a new "UK Forestry Standard Practice Guide: Creating and managing riparian woodlands". This guidance will assist in the planning and design of future riparian woodlands. Ongoing
	(Please note: 'Completed' means that the overall	1 <i>G</i> -G

action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing') If 'Completed', has the action achieved its objective?	
Description of action (as submitted in the IP)	Scotland's River Basin Management Plans (RBMPs), published in 2015, set objectives for the protection and improvement of our water environment, with the aim of 87% of water bodies achieving a classification of 'Good Ecological Status' by 2027. Fish passage is recognised as one of the three main priorities of RBMP2 (2015 – 2021), including the challenges faced by Atlantic salmon smolts in their downstream migration, particularly in relation to hydro schemes. The second RBMPs identified fish migration pressures in 392 water bodies across Scotland.
Expected outcome	SEPA is leading on work to remove or ease redundant barriers in rivers, utilising <i>ca</i> . £5m annual funding from the Scottish Government. Through SEPA regulatory action and the Water Environment Fund more than 1000 kilometres of good-quality salmon habitat has been opened-up by the removal of barriers to fish migration. River Basin Management Plans (RBMPs) utilise SEPA's
(as submitted in the IP)	classification results to set objectives for improving the water environment over a six year cycle, the current RBMP2 being from 2015 to 2021. The third RBMPs will build on the work completed under RBMP2 up to 2021 to reduce fish barrier pressures and will prioritise future targets up to 2027.
	Once the new online, GIS pressures mapping tool is delivered, our target will be for it to show a reduction, by the end of the five-year NASCO plan period, in the river length affected by upstream passage (consider cumulative impacts); downstream passage; dams/weirs/large water bodies; and/or other.
Approach for monitoring effectiveness & enforcement (as submitted in the IP)	The Scottish Environment Protection Agency (SEPA) has produced an annual RBMP classification for all the water bodies in Scotland since 2007. Classification results for the current and previous years can be found on the Water Classification Hub. In general, the classification of water bodies describes by how much their condition or status differs from near natural conditions and includes range of biological quality elements, supported by measurements of morphology. Scientists from MSS, University of Aberdeen and the James Hutton Institute have authored a scientific paper, published in the journal Science of the Total Environment ² in 2019, that identifies the impacts of barriers (e.g. dams, weirs and other in river
	lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing') If 'Completed', has the action achieved its objective? Description of action (as submitted in the IP) Expected outcome (as submitted in the IP)

 $^{^2\} https://www.sciencedirect.com/science/article/pii/S0048969718346199$

structures) on river connectivity for Atlantic salmon. This information forms a valuable resource to inform and prioritise river restoration efforts and financial investment and provides a substantial methodological improvement on assessments that estimate the value of habitat from river length or area. Scotland's third River Basin Management Plan will be finalised by December 2021. MSS' research will be considered during SEPA's barrier prioritisation in the updated plan. Where complete barrier removal is carried out, the expected improvements are self-evident and no monitoring is currently proposed. Stakeholder feedback from our consultation of the draft plan has challenged whether there is a need to monitor to assess the length of time taken for Atlantic salmon to recolonise newly available habitats and to assess whether riverine processes (including the transport of bed material) has occurred and are actually being used. Where barrier easement or improvements to fish pass passage are carried out, appropriate site specific monitoring is required to indicate achievement of Good Ecological Status / Potential under WFD or local fisheries management objectives. In 2023: Progress on action to - 39 active barriers (impoundments, weirs or dams that are date being operated/maintained) were scoped by SEPA. 12 were (Provide a brief overview screened out as requiring no action and 27 passed on to the with a quantitative design and licencing stage. Works to ease fish passage on 2 measure, or other justified active barriers were completed. evaluation, of progress. If sub-actions are completed - 38 historic barriers (impoundments, weirs or dams that are during the reporting year. not being operated/maintained) were scoped by SEPA. 14 were this should be made clear. screened out as requiring no action and 24 passed on to the Other material (e.g. design and licencing stage. Works to ease fish passage on 3 website links) will not be historic barriers were completed. evaluated) - 28 asset barriers (culverts or bridge aprons) were scoped by SEPA. 10 were screened out as requiring no action and 18 passed on to the design and licencing stage. Works to ease fish passage on 3 asset barriers were completed. Current status of action Ongoing (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing')

	If 'Completed', has the	
	action achieved its	
	objective?	
Action H7:	Description of action (as submitted in the IP)	Carry out detailed assessments required for the regulation of existing marine renewable developments, new developments and proposed new developments on whether migrating salmon are likely to be present and whether the development will pose risk to salmon populations during construction and operation, and whether mitigation should be implemented to minimise any potential impacts. The existing developments are mainly off the east coast of Scotland and in the Moray Firth.
		In the five-year NASCO plan period (2019-2024), the work will concentrate on investigations on the spatial and temporal distribution of emigrating salmon smolts in, and in the vicinity of, existing and proposed development areas.
		The work will be carried out under the ScotMER (Scottish Marine Energy Research) initiative which prioritises research needs, promotes appropriate research and coordinates and records progress with filling in knowledge / evidence gaps for salmon and other receptors in relation to marine renewables development.
	Expected outcome (as submitted in the IP)	Improved understanding of the potential impacts of marine renewable energy installations (during construction and operation) on Atlantic salmon.
		Improved assessment of the risks marine renewables developments pose to salmon populations during construction and operation, and whether mitigation should be implemented.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	The outputs of these research projects will be improved knowledge of the density of Atlantic salmon smolts in the vicinity of marine renewables development sites and what rivers they are associated with. This information will be considered in the context of known stressors, such as the clearance by detonation of unexploded ordnance at construction sites, and potential stressors, such as possible increased predation resulting from the structures providing shelter and feeding opportunities to predators. The outputs will be used to reduce any risk the construction and operation of marine renewable developments pose to salmon populations.
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If	During 2023, Scottish Government continued to assess marine renewable developments at all stages in relation to migrating salmon and sea trout presence and potential risk to these salmonid populations, based on the information currently available.
	sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	Research projects identified under the diadromous fish receptor evidence map of the Scottish Marine Energy Research (ScotMER) programme are ongoing. Data are continuing to be collected and analysed from the project looking into the movement of salmon through two existing wind farms and proposed areas of development in the Moray Firth. This is an add-on project to the Prepared project, investigating how

	Current status of action (Please note: 'Completed' means that the overall	fish in the context of offshore wind and future research is in the final stages of completion. Three new projects started in 2023. - the development of biochemical tools to assign salmon, captured in the seas off the east coast of Scotland, to their catchment of origin. - examining the diet of salmon post smolts during the initial marine migration on the east coast of Scotland. - translocation project involving the release of acoustically tagged sea trout into an existing wind farm area and an area without any wind farm activity to compare the behaviour of the fish. A paper is currently being prepared on the results from trawling surveys on the east coast of Scotland investigating the distribution of salmon and sea trout post-smolts during the initial marine migration. Ongoing
	action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing') If 'Completed', has the action achieved its	
Action H8-1:	objective? Description of action (as submitted in the IP) Expected outcome	Research, review and experimentation to better understand and address, as appropriate, the impact of piscivorous birds on Atlantic salmon. Increase the scientific information available to underpin the
	(as submitted in the IP) Approach for monitoring effectiveness	management of piscivorous birds. Results of the research will inform the approach to managing piscivorous birds.

	(Provide a brief overview	of acoustic tags to identify areas of river where smolt predation
	with a quantitative	occurs is in the process of being written up.
	measure, or other justified	
	evaluation, of progress. If	
	sub-actions are completed	
	during the reporting year,	
	this should be made clear.	
	Other material (e.g.	
	website links) will not be	
	evaluated)	
	Current status of action	Ongoing
	(Please note: 'Completed'	
	means that the overall	
	action is complete for the	
	lifetime of the third	
	reporting cycle. If it is an	
	ongoing action that is reported on annually, it	
	should be marked as	
	'Ongoing')	
	If 'Completed', has the	
	action achieved its	
	objective?	
Action		Pilot study to identify the degree of interaction and potential
H8-2:	Description of action (as submitted in the IP)	scale of impact of dolphins on returning adult Atlantic salmon
По-2;	(as submitted in the 11)	in the Moray Firth.
	Expected outcome	Improved understanding of the predation interactions between
	(as submitted in the IP)	dolphins and salmon.
	Approach for	A joint research project between MS, the Ness DSFB and
	monitoring effectiveness	Aberdeen University commenced on 9 July and successfully
	& enforcement	acoustically tagged 109 adult grilse.
	(as submitted in the IP)	
	Progress on action to	Results of the research have been incorporated into PhD report
	date	of investigations into the behaviours of dolphins in the Moray
	(Provide a brief overview	Firth. No further activity is expected under this action.
	with a quantitative	
	measure, or other justified	
	evaluation, of progress. If	
	sub-actions are completed	
	during the reporting year,	
	this should be made clear.	
	Other material (e.g.	
	website links) will not be	
	evaluated) Current status of action	Completed
	Current status of action	Completed
	(Please note: 'Completed' means that the overall	
	action is complete for the	
	-	
	lifetime of the third reporting cycle. If it is an	
	reporting cycle. If it is an ongoing action that is	

	reported on annually, it should be marked as	
	'Ongoing')	
	If 'Completed', has the	Yes
	action achieved its	
	objective?	
A 4°		The Cools and Column Internations (CCI) would to identify the
Action H8-3:	Description of action (as submitted in the IP)	The Seals and Salmon Interactions (SSI) work to identify the impact of seal predation on wild Atlantic salmon.
	Expected outcome	Provision of estimates of potential Atlantic salmon removals
	(as submitted in the IP)	from the River Dee by seals.
	Approach for	MS will progress the purchase of suitable surface cameras, in
	monitoring effectiveness	order for SMRU to trial their ability to record seal movements
	& enforcement	both upstream and downstream in the River Dee.
	(as submitted in the IP)	
	Progress on action to	During 2023 research has focused on a method to prevent or
	date	limit seals swimming up rivers through the development of a detect and deter system as a non-lethal measure for the
	(Provide a brief overview	management of seal depredation in rivers. Initial testing in a
	with a quantitative measure, or other justified	river of this acoustic approach generated a strong response in
	evaluation, of progress. If	seals exposed to the stimuli with 100% efficacy. All seals
	sub-actions are completed	(n=16) attempting to swim upriver during exposure trials were
	during the reporting year,	returned downriver and did not pass upriver despite seven
	this should be made clear.	attempts by one persistent individual. The rate at which known
	Other material (e.g.	seals tried to pass upriver rapidly dropped off with time
	website links) will not be	suggesting that seals quickly learnt not to approach the site of
	evaluated)	previous treatments.
	Current status of action	Ongoing
	(Please note: 'Completed'	Ongoing
	means that the overall	
	action is complete for the	
	lifetime of the third	
	reporting cycle. If it is an	
	ongoing action that is	
	reported on annually, it	
	should be marked as	
	'Ongoing')	
	If 'Completed', has the	
	action achieved its	
	objective?	

3.3 Provide an update on progress on actions relating to Aquaculture, Introductions and Transfers and Transgenics (section 4.11 of the Implementation Plan).

Note: the reports under 'Progress on action to date' should provide a **brief overview** of each action. Please report in relation to the reporting year only or the most relevant recent year. For all actions, provide **clear and concise** quantitative information to demonstrate progress. In circumstances where quantitative information cannot be provided for a particular action because of its nature, a clear rationale must be given for not providing quantitative information and other information should be provided to enable progress with that action to be evaluated. While referring to additional material (e.g. via links to websites) may assist those seeking more detailed information, this will not be evaluated by the Review Group.

A 4.	D : :: C ::	M : C 4 11 : 14 1: 'w' 1
Action A1:	Description of action (as submitted in the IP)	Marine Scotland has reviewed the policy permitting salmon introductions (stocking), and will also revisit options for a new licensing regime under that policy.
	Expected outcome (as submitted in the IP)	A licensing regime aiming at improving the conservation status of local wild Atlantic salmon populations.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	Marine Scotland, the licensing authority, considers each stocking application on its individual merits, fully evaluating the risks and benefits as advised in NASCO's Guidelines for incorporating social and economic factors in decisions under the Precautionary Approach. A record is kept of all applications and decisions ensuring that they are in line with the current stocking policy.
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	Work to develop a revised stocking policy continued in 2023. This has included consideration of the evidence on stocking by the Science Advisory Board of Scotland's Wild Salmon Strategy with regard to the scope for intervention where salmon populations are at risk of extinction.
	Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing')	Ongoing
	If 'Completed', has the action achieved its objective?	
Action A2:	Description of action (as submitted in the IP)	In support of Article 11 of CNL(06)48 Marine Scotland initiated a national introgression project in July 2018 to investigate the extent of hybridisation and quantify levels of introgression of genetic material from farm escapees into wild Scottish Atlantic salmon populations. This project provides key data to support the minimisation of adverse genetic interactions by identifying impacted areas.
	Expected outcome (as submitted in the IP)	In October 2021, Marine Scotland Science published the first national assessment of genetic introgression in Scotland. The study shows that there is a risk to wild salmon from introgression of genes from farmed salmon that escape, but that it may be low outside the aquaculture regions even though escaped fish may disperse widely at sea. The study is a snap shot

	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	National Electrofishing Programme for Scotland (NEPS), which provides detailed local information on juvenile salmon stocks in the aquaculture regions and elsewhere within a robust structured framework and underpins continuation of the National Introgression Programme for Scotland. The national introgression project utilised a panel of genetic markers to screen juvenile fish tissue samples collected from sites around Scotland in structured surveys and is expected to continue over three years, completing by end of March 2021. Levels of introgression are quantified and examined in relation to the presence / absence and concentration of aquaculture production in the different rivers and regions sampled. The technique basically takes two groups of fish and from these creates two sets of reference data, one to represent farmed fish and one to represent wild. Individual fish can then be examined in relation to these two reference sets of fish and characterisation made as to where the individual fish falls along the spectrum of
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	made as to where the individual fish falls along the spectrum of genetic difference between the two groups. This work has focused on distinguishing between wild Scottish salmon and farmed fish of Norwegian origin stock. In support of Article 11 of CNL(06)48 the Scottish Government initiated the third survey year under the National Introgression Programme in July 2023 to quantify the levels of introgression of genetic material from farm escapees into wild Scottish Atlantic salmon populations. This project provides key data to support the minimisation of adverse genetic interactions by identifying impacted areas. The results from this survey will be integrated with previous years and are expected in late 2024.
	Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing') If 'Completed', has the action achieved its objective?	Ongoing
Action A3(i):	Description of action (as submitted in the IP)	Post-smolt, west coast sweep netting and a continued work programme at the Shieldaig site to provide data to investigate potential links between sea lice, farms and sea trout.

	Expected outcome (as submitted in the IP)	Improved knowledge of sea lice dispersion, impacts on wild salmonids and migratory behaviours of salmonids in complex sea loch environments. These data will be used to inform the proposed sea lice framework as part of an adaptive management process.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	Standard programme management approaches are in place to ensure effectiveness and scientific rigour.
	Progress on action to date (Provide a brief overview with a quantitative	Sweep netting took place during the 2023 smolt run, with results published on Fisheries Management Scotland's website. Publications and Data – Fisheries Management Scotland (fms.scot)
	measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g.	Following 2023 sweep netting and other monitoring that examines the impact of farmed fish on wild fish, findings will be integrated into the Scottish Environment Protection Agency (SEPA)'s sea lice risk assessment framework, to monitor its effectiveness. Work to develop this framework and its monitoring element are ongoing.
	website links) will not be evaluated)	As an adaptive framework the monitoring regimes are expected to change in response to continual improvements to the science base.
	Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as	Ongoing
	'Ongoing') If 'Completed', has the action achieved its objective?	
Action A2 &A3(ii):	Description of action (as submitted in the IP)	The Salmon Interactions Workstream has provided advice on existing and potential future arrangements to mitigate the 12 high level pressures on wild salmon. As an initial task, a new, independently chaired Working Group was established in October 2018, to examine and provide advice on the interactions between wild and farmed Atlantic salmon.
	Expected outcome (as submitted in the IP)	This process is a critical step in working towards the achievement of NASCO's goals on containment and sea lice. An approach to managing interactions which meets international commitments and enables the protection and enhancement of Scotland's wild Atlantic salmon stocks alongside the sustainable development of aquaculture, maintaining the right balance across our economic,

	environmental and social responsibilities – in line with Scotland's National Marine Plan.
Approach for monitoring effectiveness & enforcement (as submitted in the IP)	Standard programme management approaches are in place to ensure effectiveness and reporting of progress (e.g. The Scottish Government response to the Salmon Interactions Working Group Report was published in October 2021: Salmon Interactions Working Group Report: Scottish Government
Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If sub-actions are completed during the reporting year, this should be made clear. Other material (e.g. website links) will not be evaluated)	Response - gov.scot (www.gov.scot)) Sea lice: The Scottish Environment Protection Agency (SEPA) is the lead regulator responsible for managing the risk to wild fish from sea lice from fish farms in Scotland. SEPA continued to develop a sea lice risk assessment framework – a model that will screen fish farm applications for the risk that the farm poses to increasing the lice load of its wild salmon protection zone (narrow or constrained bodies of water that wild salmonids pass through). The framework will see advice and regulation for the interactions of sea lice being led by SEPA within an adaptive management framework. SEPA is considering as part of this new framework the conditions which will apply to new and existing farms where greater evidence of risk is available. In December 2023 SEPA published a response to their consultation on detailed proposals for the framework, following an initial consultation on high-level proposals in 2021/2022.
	The new framework will be introduced in phases from February 2024.
	Scientists from the Scottish Government's Marine Directorate authored "Modelling parasite impacts of aquaculture on wild fish: The case of the salmon louse (Lepeophtheirus salmonis) on out-migrating wild Atlantic salmon (Salmo salar) smolt" in the journal Preventive Veterinary Medicine to support modelling development as part of the sea lice risk assessment framework.
	The Scottish Government published the Final Project Report of "Salmon Parasite Interactions in Linnhe, Lorn and Shuna (SPILLS)" to build understanding of optimal models, model validation and ensemble modelling, also to support the sea lice risk assessment framework.
	Scottish Government scientists initiated work with the University of Strathclyde, Mowi, Scottish Sea Farms, BakkaFrost, SEPA, the Institute of Marine Research (Norway) and Fiskaaling (Faeroes) to develop an internationally recognised test bench for sea lice dispersal models (project titled "Sustainable Aquaculture Validation of Ecoparsite Dispersal Models" - SAVED), which will report in July 2024.

		Scientists from the Scottish Government began working with SEPA, the Institute of Marine Research and Fiskaaling to review and report on the best ways to deal with uncertainty in sea lice dispersal modelling. They are also is developing best practice for the presentation of uncertainty in model results to support policy development and decision making through a Technical Working Group that first met in September 2023; MD SEDD is working specifically with SEPA within the context of this Working Group to develop an Evidence Map to support the SEPA sea lice risk assessment framework. The Technical Working Group will report in September 2024. Containment: The Scottish Government's Programme for Government for the period 2023-24 committed to deliver a revised Technical Standard for Scottish Finfish Aquaculture to address farmed fish escapes.
	Current status of action (Please note: 'Completed' means that the overall action is complete for the lifetime of the third reporting cycle. If it is an ongoing action that is reported on annually, it should be marked as 'Ongoing')	Ongoing
	If 'Completed', has the action achieved its objective?	
Action A3 (iii):	Description of action (as submitted in the IP) Expected outcome (as submitted in the IP)	Develop and implement field studies and migration models to better understand migration behaviours and potential interactions between salmonids and aquaculture developments. Improved understanding of salmon migration behaviours and the potential for interactions between migration of smolts and aquaculture installations.
		Data will inform the smolt swimming model, which will be used to support the implementation of a new spatially adaptive sea lice risk assessment framework to minimise risk to wild salmon.
	Approach for monitoring effectiveness & enforcement (as submitted in the IP)	Standard project management approaches are in place to ensure effectiveness and scientific rigour.
	Progress on action to date (Provide a brief overview with a quantitative measure, or other justified evaluation, of progress. If	The third year of data collection of the West Coast Tracking Project (a partnership between Atlantic Salmon Trust, Fisheries Management Scotland and Marine Directorate) tracking smolts through sea lochs, took place in 2023. The ScotMER programme funded the deployment of additional acoustic receivers to further understand the marine

	sub-actions are completed	migration patterns of salmon post-smolts. The data collected
	during the reporting year,	across the multi-year projects are now being collated and
	this should be made clear.	analysed.
	Other material (e.g.	
	website links) will not be	
	evaluated)	
	Current status of action	Ongoing
	(Please note: 'Completed'	
	means that the overall	
	action is complete for the	
	lifetime of the third	
	reporting cycle. If it is an	
	ongoing action that is	
	reported on annually, it	
	should be marked as	
	'Ongoing')	
	If 'Completed', has the	
	action achieved its	
	objective?	
4:	Additional information re	quired under the Convention
11	Details of any laws regulations	and programmes that have been adopted or repealed since
7.1	the last notification.	and programmes that have been adopted of repeated since
T1.		A
		Amendment Regulations 2023 establishes the inland waters
	re the retention of any salmon caugh	
4.2		nts concerning the adoption or maintenance in force for
	specified periods of time of cons	servation, restoration, and other management measures.
4.3	Details of any new actions to pro	ohibit fishing for salmon beyond 12 nautical miles.
	•	,
44	Details of any new actions to in	nvite the attention of States not party to the Convention to
		of its vessels which could adversely affect salmon stocks
	——————————————————————————————————————	of its vessels which could adversely affect sainfoll stocks
	subject to the Convention.	
<u> </u>	- u a	
4.5		implement regulatory measures under Article 13 of the
	Convention including imposition	n of adequate penalties for violations.
Nor	th American Commission Mem	ibers only:
		·
46	Details of any new measures to r	ninimise bycatches of salmon originating in the rivers of the
7.0	other member.	infinitise by catches of samion originating in the rivers of the
	onici ilicilioci.	
4.7	D ('1 C 1,	
4.7	•	ng patterns that result in the initiation of fishing or increase
		in the rivers of another Party except with the consent of the
	latter.	