

## CNL(18)50

### *NASCO Implementation Plan for the period 2019 – 2024*

*The main purpose of this Implementation Plan is to demonstrate what actions are being taken by the Parties / jurisdictions to implement NASCO's Resolutions, Agreements and Guidelines.*

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

*Questions in the Implementation Plan are drawn from the following documents:*

- *NASCO Guidelines for Management of Salmon Fisheries, CNL(09)43 (referred to as the 'Fisheries Guidelines');*
- *Report of the Working Group on Stock Classification, CNL(16)11;*
- *Minimum Standard for Catch Statistics, CNL(93)51 (referred to as the 'Minimum Standard');*
- *Revised matrix for the application of the six tenets for effective management of an Atlantic salmon fishery, WGCST(16)16<sup>1</sup>;*
- *NASCO Plan of Action for the Application of the Precautionary Approach to the Protection and Restoration of Atlantic Salmon Habitat, CNL(01)51;*
- *NASCO Guidelines for Protection, Restoration and Enhancement of Atlantic Salmon Habitat, CNL(10)51 (referred to as the 'Habitat Guidelines');*
- *Williamsburg Resolution, CNL(06)48;*
- *Guidance on Best Management Practices to address impacts of sea lice and escaped farmed salmon on wild salmon stocks (SLG(09)5) (referred to as the 'BMP Guidance');*
- *Guidelines for Incorporating Social and Economic Factors in Decisions under the Precautionary Approach (CNL(04)57); and*
- *Road Map' to enhance information exchange and co-operation on monitoring, research and measures to prevent the spread of G. salaris and eradicate it if introduced', NEA(18)08.*

<b>Party:</b>	
<b>Jurisdiction / Region:</b>	

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<sup>1</sup> This document can be obtained from the NASCO Secretariat; email [hq@nasco.int](mailto:hq@nasco.int)

<b>1. Introduction</b>		
<b>1.1 What are the objectives for the management of wild salmon? (Max 200 words)</b>		
<i>Give the core national objectives guiding the legislation for your jurisdiction</i>		
<b>1.2 What reference points (e.g. conservation limits, management targets or other measures of abundance) are used to assess the status of stocks? (Max 200 words)</b> <i>(Reference: Sections 2.4 and 2.5 of the Fisheries Guidelines)</i>		
<b>1.3 What is the current status of stocks under the new classification system outlined in CNL(16)11?</b>		
Stock Classification Score	Salmon Classification Category	No. rivers
0	Not at Risk	
1	Low Risk	
2	Moderate Risk	
3	High Risk	
N/A	Artificially Sustained	
N/A	Lost	
N/A	Unknown	
Additional comments:		
<b>1.4 How is stock diversity (e.g. genetics, age composition, run-timing, etc.) taken into account in the management of salmon stocks? (Max 200 words)</b>		
<b>1.5 To provide a baseline for future comparison, what is the current and potential quantity of salmon habitat? (Max 200 words)</b> <i>(Reference: Section 3.1 of the Habitat Guidelines)</i>		
<b>1.6 What is the current extent of freshwater and marine salmonid aquaculture?</b>		
Number of marine farms		
Marine production (tonnes)		
Number of freshwater facilities		
Freshwater production (tonnes)		
Append one or more maps showing the location of aquaculture facilities and aquaculture free zones in rivers and the sea.		
<b>1.7 Please describe the process used to consult NGOs and other stakeholders and industries in the development of this Implementation Plan. (Max 200 words)</b>		

<b>2. Management of Salmon Fisheries:</b> <i>In this section please review the management approach to each of the fisheries in your jurisdiction (i.e. commercial, recreational and other fisheries) in line with the relevant NASCO Resolutions, Agreements and Guidelines. For Parties / jurisdictions that prosecute mixed-stock fisheries, there should at least one action related to their management.</i>
<b>2.1 What are the objectives for the management of the fisheries for wild salmon?</b> <i>(Max. 200 words)</i>
<b>2.2 What is the decision-making process for the management of salmon fisheries, including predetermined decisions taken under different stock conditions (e.g. the stock levels at which regulations are triggered)?</b> <i>(Max. 200 words)</i> <i>(This can be answered by providing a flow diagram if this is available.)</i> <i>(Reference: Sections 2.1 and 2.7 of the Fisheries Guidelines)</i>
<b>2.3 (a) Are any fisheries permitted to operate on salmon stocks that are below their reference point (e.g. Conservation Limits)? If so, (b) how many such fisheries are there and (c) what approach is taken to managing them that still promotes stock rebuilding?</b> <i>(Max 200 words)</i> <i>(Reference: Section 2.7 of the Fisheries Guidelines)</i>
(a)
(b)
(c)
<b>2.4 (a) Are there any mixed-stock salmon fisheries? If so (b) how are these defined, (c) what was the mean catch in these fisheries in the last five years and (d) how are they managed to ensure that all the contributing stocks are meeting their conservation objectives?</b> <i>(Max. 300 words in total)</i> <i>(Reference: Section 2.8 of the Fisheries Guidelines)</i>
(a)
(b)
(c)
(d)
<b>2.5 How are socio-economic factors taken into account in making decisions on management of salmon fisheries?</b> <i>(Max. 200 words)</i> <i>(Reference: Section 2.9 of the Fisheries Guidelines)</i>
<b>2.6 What is the current level of unreported catch and what measures are being taken to reduce this?</b> <i>(Max. 200 words)</i> <i>(Reference: Section 2.2 of the Fisheries Guidelines and the Minimum Standard)</i>
<b>2.7 Has an assessment under the Six Tenets for Effective Management of an Atlantic Salmon Fishery been conducted? If so, (a) has the assessment been made available</b>

**to the Secretariat and (b) what actions are planned to improve the monitoring and control of the fishery? (c) If the six tenets have not been applied, what is the timescale for doing so? (Max. 200 words)**  
*(Reference: Six Tenets for Effective Management of an Atlantic Salmon Fishery, WGCST(16)16)*

- (a)
- (b)
- (c)

**2.8 Identify the threats to wild salmon and challenges for management associated with their exploitation in fisheries, including bycatch of salmon in fisheries targeting other species.**

Threat / challenge F1	
Threat / challenge F2	
Threat / challenge F3	
Threat / challenge F4	

*Copy and paste lines to add further challenges which should be labelled F5, F6, etc.*

**2.9 What SMART actions are planned during the period covered by this Implementation Plan (2019 – 2024) to address each of the threats and challenges identified in section 2.8 to implement NASCO’s Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for the management of salmon fisheries?**

<b>Action F1:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action F2:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring	

	effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action F3:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action F4:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.

*Copy and paste lines to add further actions which should be labelled F5, F6, etc.*

<b>3. Protection and Restoration of Salmon Habitat:</b>
<i>In this section please review the management approach to the protection and restoration of habitat in your jurisdiction in line with the relevant NASCO Resolutions, Agreements and Guidelines.</i>
<b>3.1 How are risks to productive capacity identified and options for restoring degraded or lost salmon habitat prioritised, taking into account the principle of ‘no net loss’ and the need for inventories to provide baseline data? (Max. 200 words) (Reference: Section 3 of the Habitat Guidelines)</b>
<b>3.2 How are socio-economic factors taken into account in making decisions on salmon habitat management? (Max. 200 words) (Reference: Section 3.9 of the Habitat Guidelines)</b>

<b>3.3 What management measures are planned to protect wild Atlantic salmon and its habitats from (a) climate change and (b) invasive aquatic species? (Max. 200 words each)</b> <i>(Reference: Section 3.2 of the Habitat Guidelines)</i>	
(a)	
(b)	
<b>3.4 Identify the main threats to wild salmon and challenges for management in relation to estuarine and freshwater habitat.</b>	
Threat / challenge H1	
Threat / challenge H2	
Threat / challenge H3	
Threat / challenge H4	

*Copy and paste lines to add further threats/challenges which should be labelled H5, H6, etc.*

<b>3.5 What SMART actions are planned during the period covered by this Implementation Plan (2019 – 2024) to address each of the threats and challenges identified in section 3.4 to implement NASCO’s Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for the Protection, Restoration and Enhancement of Atlantic Salmon Habitat?</b>		
<b>Action H1:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action H2:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured	Choose an item.

	for both action and monitoring programme?	
<b>Action H3:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action H4:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.

*Copy and paste lines to add further actions which should be labelled H5, H6, etc*

<b>4.</b>	<p><b>Management of Aquaculture, Introductions and Transfers, and Transgenics:</b></p> <p><i>Council has requested that for Parties / jurisdictions with salmon farms, there should be a greater focus on actions to minimise impacts of salmon farming on wild salmonid stocks. Each Party / jurisdiction with salmon farming should therefore include at least one action relating to sea lice management and at least one action relating to containment, providing quantitative data in Annual Progress Reports to demonstrate progress towards the international goals agreed by NASCO and the International Salmon Farmers Association (ISFA):</i></p> <ul style="list-style-type: none"> <li>• <i>100% of farms to have effective sea lice management such that there is no increase in sea lice loads or lice-induced mortality of wild salmonids attributable to the farms;</i></li> <li>• <i>100% farmed fish to be retained in all production facilities.</i></li> </ul> <p><i>In this section please provide information on all types of aquaculture, introductions and transfers, and transgenics (including freshwater hatcheries, smolt-rearing etc.</i></p>
<b>4.1</b>	<p><b>(a) Is the current policy concerning the protection of wild salmonids consistent with the international goals on sea lice and containment agreed by NASCO and ISFA? (b) If the current policy is not consistent with these international goals, when will current policy be adapted to ensure consistency with the international</b></p>

	<p><b>goals and what management measures are planned to ensure achievement of these goals and in what timescale? (Max. 200 words for each)</b>  <i>(Reference: BMP Guidance)</i></p>
(a)	
(b)	
4.2	<p><b>(a) What quantifiable progress can be demonstrated towards the achievement of the international goals for 100% of farms to have effective sea lice management such that there is no increase in sea lice loads, or lice-induced mortality of wild salmonids attributable to sea lice? (b) How is this progress monitored, including monitoring of wild fish? (c) If progress cannot be demonstrated, what additional measures are proposed and in what timescale? (Max. 200 words each)</b>  <i>(Reference: BMP Guidance)</i>  <i>The measures by which these goals may be achieved, and against which the Review Group will be measuring the effectiveness of the Implementation Plan, are set out in the BMP Guidance SLG(09)5 (Best management practice; reporting and tracking; factors facilitating implementation) as agreed by NASCO and ISFA.</i></p>
(a)	
(b)	
(c)	
4.3	<p><b>(a) What quantifiable progress can be demonstrated towards the achievement of the international goals for achieving 100% containment in all (i) freshwater and (ii) marine aquaculture production facilities? (b) How is this progress monitored, including monitoring of wild fish (genetic introgression) and proportion of escaped farmed salmon in the spawning populations? (c) If progress cannot be demonstrated, what additional measures (e.g. use of sterile salmon in fish farming) are proposed and in what timescale? (Max. 200 words each)</b>  <i>(Reference: BMP Guidance)</i>  <i>The measures by which these goals may be achieved, and against which the Review Group will be measuring the effectiveness of the Implementation Plan, are set out in the BMP Guidance SLG(09)5 (Best management practice; reporting and tracking; factors facilitating implementation) as agreed by NASCO and ISFA.</i></p>
(a)(i)	
(a)(ii)	
(b)	
(c)	
4.4	<p><b>What adaptive management and / or scientific research is underway that could facilitate better achievement of NASCO's international goals for sea lice and containment such that the environmental impact on wild salmonids can be minimised? (Max 200 words)</b>  <i>(Reference: BMP Guidance and Article 11 of the Williamsburg Resolution)</i></p>
4.5	<p><b>What is the approach for determining the location of aquaculture facilities in (a) freshwater and (b) marine environments to minimise the risks to wild salmonid</b></p>



<b>stocks?</b> (Max. 200 words for each)	
(a)	
(b)	
<b>4.6 What progress has been made to implement NASCO’s guidance on introductions, transfers and stocking?</b> (Max. 200 words) (Reference: Articles 5 and 6 and Annex 4 of the Williamsburg Resolution)	
<b>4.7 Is there (a) a requirement to evaluate thoroughly risks and benefits before undertaking any stocking programme and (b) a presumption against stocking for purely socio-political / economic reasons?</b> (Max. 200 words each) (Reference: Guidelines for incorporating social and economic factors in decisions under the Precautionary Approach and Annex 4 of the Williamsburg Resolution)	
(a)	
(b)	
<b>4.8 What is the policy / strategy on use of transgenic salmon?</b> (Max. 200 words) (Reference: Article 7 and Annex 5 of the Williamsburg Resolution)	
<b>4.9 For Members of the North-East Atlantic Commission only: What measures are in place, or are planned, to implement the eleven recommendations contained in the ‘Road Map’ to enhance information exchange and co-operation on monitoring, research and measures to prevent the spread of <i>Gyrodactylus salaris</i> and eradicate it if introduced, including the development and testing of contingency plans?</b> (Max. 200 words) (Reference ‘Road Map’ to enhance information exchange and co-operation on monitoring, research and measures to prevent the spread of <i>G. salaris</i> and eradicate it if introduced, NEA(18)08)	
<b>4.10 Identify the main threats to wild salmon and challenges for management in relation to aquaculture, introductions and transfers, and transgenics.</b>	
Threat / Challenge A1	
Threat / challenge A2	
Threat / challenge A3	
Threat / challenge A4	
<i>Copy and paste lines to add further threats/challenges which should be labelled A5, A6, etc.</i>	
<b>4.11 What SMART actions are planned during the period covered by this Implementation Plan (2019 – 2024) to address each of the threats and challenges identified in section 4.10 to implement NASCO’s Resolutions, Agreements and Guidelines and demonstrate progress towards achievement of its goals and objectives for aquaculture, introductions and transfers, and transgenics?</b>	
<b>Action A1:</b>	Description of action:

	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action A2:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action A3:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	
	Funding secured for both action and monitoring programme?	Choose an item.
<b>Action A4:</b>	Description of action:	
	Planned timescale (include milestones where appropriate):	
	Expected outcome:	
	Approach for monitoring effectiveness & enforcement:	

	Funding secured for both action and monitoring programme?	Choose an item.
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*Copy and paste lines to add further actions which should be labelled A5, A6, etc*