Council

CNL(11)30

Annual Report on Actions Taken Under Implementation Plans

USA

Annual Report on actions taken under Implementation Plans for the Calendar Year 2010

The Guidelines for the preparation of 'Implementation Plans and for Reporting on Progress', NSTF(06)10 (copy attached) indicate that the primary purpose of the annual reports is to provide a summary of all the actions that have been taken under the Implementation Plan in the previous year. In addition, details of any significant changes to the status of stocks, new factors affecting stocks, any changes to the management regime in place, and any changes to the Implementation Plan should be included in the report. Details of actions taken in accordance with Articles 14 and 15 of the Convention are also needed by the Council. **Please provide the following information to the Secretariat by 8 April 2011**

Section 1: Details of any significant changes to the management outlined in the introduction to the Implementation Plan.

In 2009, we issued a final rule listing the Gulf of Maine Distinct Population Segment (GOM DPS) as endangered species as well as a final rule designating Critical Habitat pursuant to the Endangered Species Act (ESA). The effect of these actions is to protect greater numbers of Atlantic salmon and to protect the features of their habitat that are essential to the conservation of the species. The "take" of species listed under the ESA is considered a violation of the ESA unless an incidental take permit or incidental take statement is provided. Take is defined to include harm, harass, trap, collect, kill or injure. Federal agencies conducting, authorizing or permitting work that may affect the GOM DPS of Atlantic salmon must consult with the National Marine Fisheries Service and the U.S. Fish and Wildlife Service to ensure that they do not jeopardize the continued existence of Atlantic salmon and/or adversely modify or destroy critical habitat.

Section 2: A description of any significant changes in the status of stocks and information on catches. The Council has asked that the following information on catches be provided:

- (a) the provisional catch of salmon in tonnes for 2010;
- (b) the confirmed catch of salmon in tonnes for 2009;
- (c) an estimate of unreported catch in tonnes for 2010;
- (d) the number of salmon caught and released in recreational fisheries in 2010.

(a-c) Provisional, Confirmed and Unreported Catch

There have been no significant changes to the status of stocks as described in the US Implementation Plan. Vessel and dealer landings as well as the observer database were queried to identify any landings of Atlantic salmon for 2010. According to the dealer and vessel

landings data, there were no reported landings of Atlantic salmon in 2010. Thus, the provisional catch of Atlantic salmon for 2010 was zero tons. The confirmed catch for 2009 was zero tons. Unreported catch for 2010 was zero tons.

(d) There was no recreational fishery for sea-run Atlantic salmon in the US in 2010. In 2010, recreational fisheries on post spawned domestic broodstock occurred in the Merrimack River, an area south of the GOM DPS. Roughly 1,180 broodstock were released to the river to support the fishery. While data for the 2010 season are not yet available, there have been roughly 1,400 permits sold each year. Broodstock are known to be captured and killed in the fishery for consumption. However, the time series of creel data for this fishery suggests that the majority of anglers practice catch and release.

Section 3: A description of any new factors which may significantly affect the abundance of salmon stocks.

Section 4: An account of all actions taken under the Implementation Plan with regard to the management of salmon fisheries; habitat protection and restoration; aquaculture and related activities; and other influences affecting salmon abundance or diversity (including the marine environment).

Management Action	Reporting Update	Achieved Management Action (Yes, No, Ongoing, Completed)
	Fisheries Management	Ongoing, Completed)
4.1.1.1 Participate in the annual meeting of the WGC to negotiate a quota based on the scientific advice from NASCO	The U.S. participated in the WGC in 2010. A multi-annual regulatory measure was adopted for 2009 – 2011. This measure incorporates the Framework of Indicators which was recently applied.	Yes
4.1.1.3 Participate in annual sampling of the fishery off West Greenland	The U.S. helped negotiate a new sampling agreement in 2009 that was extended in 2010. The U.S. continued to serve as the coordinator for the sampling program in 2010.	Yes

4.1.1.4 Facilitate a continent of origin analysis on salmon sampled off West Greenland to determine composition of the mixed stock affected by the fishery	The biological samples collected as part of the joint sampling program were analyzed for continent of origin in order to determine the composition of the mixed stock complex.	Yes
4.1.1.5 Collaborate with Canada and France to implement sampling of the salmon fishery off St. Pierre et Miquelon and to conduct continent of origin analysis on the sampled fish	There was no progress in 2010 on the development of a comprehensive sampling program for St. Pierre et Miquelon. The US continues to collaborate with the NASCO Secretariat and Canada on the potential development of a sampling program.	Ongoing
4.1.3.1 Review commercial fisheries log books and observer database for any records of Atlantic salmon	The US reviews dealer and vessel landings as well as observer reports annually for any records of Atlantic salmon. As described in Section 2 of this report, there were no directed fisheries for Atlantic salmon and no salmon landed as bycatch in 2010.	Yes
4.1.3.4 Work with all state agencies to monitor incidental recreational catches and ensure that hooked salmon are released in an appropriate manner	Reports of incidental catch come from a variety of sources including federal and state agency law enforcement or field biologists, concerned citizens, anglers or groups (salmon clubs and watershed councils). Angling and conservation web sites are also monitored for reports of catch.	Yes

	Habitat Protection and Restoration	
	The majority of pertinent data have	Yes
4.2.1 Continue to populate NASCO	previously been assembled. Additional	
Habitat Database with information from	coordination of disparate data sources has	
US Rivers.	continued.	
4.2.2 Conduct consultations on all federal	EFH recommendations are issued in	Ongoing
actions in areas where Atlantic salmon	salmon rivers south of the GOM DPS.	
Essential Fish Habitat (EFH) is designated	These recommendations assist action	
and issue conservation recommendations	agencies in minimizing effects of	
to avoid, minimize, or mitigate impacts to	construction activity on salmon	
salmon habitat.	populations. EFH recommendations are	
	issued in the GOM DPS in a manner	
	complimentary and/or consistent with	
	requirements under section 7 of the	
	Endangered Species Act (see 4.2.5 below).	
4.2.5 Conduct ESA Section 7 consultations	Over 100 consultations were completed in	Ongoing
on all federal actions in the GOM to	2010 on a variety of projects including	
determine and minimize impacts to	road, bridge, and pier construction	
endangered Atlantic salmon and their	projects. Through the section 7 process,	
habitat.	NMFS and FWS worked with action	
	agencies to implement best management	
	practices, time of year restrictions (i.e.,	
	work windows), and other project	
	modifications such as noise reduction that	
	minimize "take" of the GOM DPS of	
	Atlantic salmon.	
4.2.6 Remain active and involved in the	Implementation of the agreements on the	Ongoing
oversight of fish passage agreements on	Kennebec, Saco, and Penobscot Rivers is	
the Kennebec, Saco and Penobscot rivers.	well under way. Each agreement varies in	
	terms of passage goals, monitoring	

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	strategies, and stakeholder engagement.	
	While they each offer opportunities for	
	salmon recovery, we must remain aware of	
	monitoring outcomes and shortfalls in	
	terms of passage efficiency and survival	
	targets. Further, the existence of these	
	agreements does not negate the need for	
	"take" (as defined in section 1 above)	
	coverage under the ESA (see 4.2.7 below).	
4.2.7 Remain active and involved in	For the GOM DPS, NMFS is now working	Ongoing
hydroelectric project licensing at dams	with a variety of hydroelectric operators to	
located within Atlantic salmon habitat in	avoid and minimize incidental "take" at	
the U.S. and advocate for upstream and	these projects. NMFS can only authorize	
downstream fish passage facilities, as	"take" levels that do not jeopardize the	
appropriate.	continued existence of the GOM DPS.	
	NMFS is currently analyzing expected take	
	levels and how those levels relate to	
	recovery goals for the GOM DPS	
	In southern New England rivers where	
	salmon are not listed as endangered, all	
	parties have remained active and involved	
	in project licensing and re-licensing	
	throughout New England including Swift	
	River Hydro Project, Pawcatuck River, RI;	
	Canton Hydro Project, Farmington	
	River, CT; pre-relicensing agreements	
	involving fish passage at the Turners Falls	
	hydroelectric project; and downstream	
	passage agreements/studies on	
	the Connecticut River (VT/NH) and	
	Deerfield River (MA). Merrimack River	
	Decined River (MA). Merrinack River	1

	Project (Amoskeag, Hooksett and Garvins Falls dams) was renewed in May 2007 and in 2009 the fishery resource agencies reached a settlement with the licensee regarding future prescriptions for fishway construction at the project.	
	Aquaculture and related activities	
4.3.1 Conduct annual audits of containment management systems.	Audits conducted in 2010-11 pursuant to federal permits consistent with the recommendations in the Biological Opinion issued by NMFS in 2003 have shown 100% compliance with no corrective actions needed.	Ongoing
4.3.2 Review results of genetic analysis to ensure compliance with federal permit conditions that requires all smolts to be of North American origin.	Genetic analysis of all broodstock used for commercial production are screened annually. The results in 2010 indicated 100% compliance with federal permit conditions that require all fish stocked to be of North American Origin. These results are reviewed annually by regulatory agencies to ensure compliance with permit conditions set for in the Biological Opinion issued by NMFS in 2003.	Ongoing
4.3.3 Review marking plans to ensure compliance with permit conditions.	Annual marking plans are submitted by industry and reviewed by regulatory agencies to ensure compliance with permit conditions set forth in the Biological Opinion issued by NMFS in 2003. In 2010, all juvenile fish were marked to enable identification of the individual rearing	Ongoing

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	facility (i.e., site specific).	
4.3.5 Install and operate weirs and traps on	Traps on the Narraguagus and Penobscot	Ongoing
selected rivers to intercept aquaculture	Rivers are operated annually. Weirs for	
escapees and conduct genetic and fish health	other rivers near aquaculture operations are	
assessments of any captured escapees.	only installed when an escape event occurs	
	such as in 2005.	
4.3.7 Annually review audit results, loss	These reviews have been conducted since	Ongoing
reports, data on permit compliance, and data	the Biological Opinion was issued in 2003.	
on escapees detected in rivers to determine if	Information obtained from annual	
limits have been exceeded and if consultation	reporting, audits and production records	
needs to be reinitiated.	have indicated compliance with all permit	
	requirements and that take levels have not	
	been exceeded.	
4.4.1 Review and update as necessary	A broodstock management plan has been	Ongoing
plans to manage broodstock to protect	in place for the GOM DPS since 2006.	
genetic integrity of restoration populations.	Similar plans for the Connecticut River	
	and Merrimack River programs are	
	currently under development.	
4.4.2 Review and update as necessary	A rigorous evaluation of stocking plans for	Ongoing
stocking plans for each restoration river	all Atlantic salmon programs was	
system to ensure compliance with the	completed in 2005 by the US Atlantic	
NASCO guidelines contained in the	Salmon Assessment Committee. Recent	
Williamsburg Resolution.	evaluation in developing the Aquaculture	
	Focus Area Report confirmed that these	
	programs are consistent with the	
	Williamsburg Resolution.	
	ng salmon abundance or diversity (includir	5
4.5.3 Implement the Penobscot River	In December 2010, the Penobscot River	Ongoing
Restoration Project (PRRP).	Restoration Trust purchased Veazie, Great	
	Works, and Howland Dams pursuant to the	

plan for the Penobscot River's diadromous fish populations in combination with the PRRP. finalized a Strategic Plan for diadromous fish in the Penobscot River in 2009. Implementation of this plan continued in 2010; however, significant funding shortages exist. In 2008, NMFS developed a pre- and post- removal monitoring of the PRRP to evaluate the effects of dam removal and concomitant changes in ecological functions (e.g. predator-prey dynamics) following implementation. In 2010, however, significant funding shortages exist. In 2008, NMFS developed a pre- and post- removal monitoring plan for the PRRP. This plan includes provisions for evaluating sediment transport, water quality, wetland and riparian community structure, insertebrate community structure, upstream and downstream fish passage efficiency, among other important parameters. Funds (1.3M USD) from the American Recovery and Reinvestment Act were secured in 2009 to implement the many components of this plan and collection of essential baseline data is ongoing. NOAA's National Marine Fisheries Service continued funding a variety of studies in 2010 (roughly 385k USD). 4.5.7 In watersheds in which comprehensive diadromous fish restoration in the Penobscot River in 2009. Implementation of this plan continued in 2019, may fish passage improvement projects were completed including dam	_	T	
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	comprehensive diadromous fish restoration		
	has already begun, continue to provide fish	removals and road-stream crossing	

passage for American shad, alewife,	remediation projects. For example, dams	
blueback herring, sea lamprey, shortnose	on Marsh Stream (Penobscot River	
sturgeon, Atlantic sturgeon, American eel,	tributary), Montsweag Brook (Kennebec	
and other diadromous species, as	River tributary), and the Ashuelot River	
appropriate as well as other support	(Connecticut River tributary) were	
activities such as habitat improvement and	removed in 2010. Construction of a Denil	
stock transplantation.	fishway began at the first dam on the	
	Manahan River, a tributary of the	
	Connecticut River in Massachusetts. In	
	addition, Project SHARE replaced over 30	
	road culverts that impeded fish passage	
	and natural stream function with open-	
	bottom structures; the majority of these	
	sites were located in the Machias River	
	watershed in eastern Maine.	

Section 5: Details of any proposed revisions to the Implementation Plan.				