ACRONYMS AND GLOSSARY OF COMMONLY USED TERMS

ABC Acceptable Biological Cato	h – An annual catch level recommended by a
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Council's SSC. The Council's ACL for a stock may not exceed the ABC

recommendation of the SSC for that stock. The SSC's ABC recommendation should incorporate consideration of the stock's life history and reproductive potential, vulnerability to overfishing, and the degree of uncertainty in the

science upon which the ABC recommendation is based.

ACFCMA Atlantic Coastal Fisheries Cooperative Management Act – Federal

legislation, passed in December 1993 that provides a mechanism to ensure Atlantic coastal state compliance with mandated conservation measures in

Commission-approved fishery management plans.

ACFHP Atlantic Coastal Fish Habitat Partnership – A partnership of state, federal,

local, and non-governmental entities aimed at protecting, restoring, and

enhancing fish and aquatic communities along the Atlantic coast.

ACL Annual Catch Limits – The level of annual catch of a stock or stock complex

that serves as the basis for invoking [accountability measures]. ACL cannot exceed the ABC, but may be divided into sector-ACLs.

AP Advisory Panel – A group of interested and knowledgeable persons

(generally recreational and commercial fishermen) convened under the ASMFC's Advisory Committee Charter to assist in development of an FMP or

amendment.

ARM Adaptive Resource Management Framework – A mechanism, established

through Addendum VII to the Horseshoe Crab FMP, which incorporates both shorebird and horseshoe crab abundance levels to set optimized harvest

levels for horseshoe crabs of Delaware Bay origin.

ASC Assessment Science Committee – An ASMFC committee that coordinates the

scheduling of species-specific stock assessments and assists the ISFMP Policy Board in setting priorities and timelines in relation to current workloads.

ASMFC Atlantic States Marine Fisheries Commission – An interstate compact of the

15 Atlantic coastal states with the vision of "Sustainably managing Atlantic

Coastal Fisheries"

ACCSP Atlantic Coastal Cooperative Statistics Program – A cooperative state-

federal program to design, implement, and conduct marine fisheries statistics data collection programs and to integrate those data into a single data management system that will meet the needs of fishery managers,

scientists, and fishermen.

AM Accountability Measures – Measures taken to prevent ACLs from being

exceeded and to rectify the harm that may result if catch does exceed ACL.

Biomass – The total weight of a stock of fish.

BRDs Bycatch reduction devices – An opening in the shrimp trawl net that allows finfish or other accidentally captured aquatic animals to escape while the target species is directed towards the tail bag or cod end of the net. **BRP** Biological reference point – A particular value of stock size, catch, fishing effort, or fishing mortality that may be used as a measure of stock status or management plan effectiveness. BRP's can be categorized as limits, targets, or thresholds depending on their intended use. Committee on Economics and Social Sciences – An ASMFC committee **CESS** focusing on social and economic considerations in fisheries management. **CPUE** Catch-per-unit-effort – The number or weight of fish caught by a given amount of fishing effort, measured frequently by time, gear type, horsepower, etc. **DPS Distinct population segment –** A population or group of populations that is discrete from other populations of the species and significant in relation to the entire species. The Endangered Species Act provides for listing species, subspecies, or distinct population segments of vertebrate species. Atlantic sturgeon is characterized as having 3 DPSs throughout its US Atlantic coast range. **EEZ** Exclusive Economic Zone – U.S. federal waters that extend from 3 to 200 miles from shore. The U.S. has sole management authority of the natural resources found therein. **EPR Eggs per recruit** – The expected egg production from a female in her lifetime, usually expressed as a percentage of the egg production that would otherwise occur in an unfished stock. F Fishing mortality – The instantaneous rate at which fish in a stock die because of fishing. Typically includes measured bycatch, if data are available. **FGTWG** Fishing Gear Technology Work Group – An ASMFC committee focusing on fishing gear technology and bycatch reduction. **FMP** Fishery Management Plan – A plan to achieve specified management goals for a fishery, typically including data, analysis, and management measures. ASMFC, Regional Management Councils, and NMFS have the authority to develop FMPs for Atlantic coast fish stocks. **GARFO Greater Atlantic Regional Fisheries Office GARM** Groundfish Assessment Review Committee – The federal stock assessment review committee that evaluates groundfish assessements, such as winter flounder. **GBK Georges Bank** – A region used to describe a population segment of the American lobster resource. **GLFC Great Lakes Fishery Commission –** Established in 1955 by the Canadian/U.S. Convention on Great Lakes Fisheries, the Commission coordinates fisheries

management agencies. **Gulf of Maine** – Used to describe population segments for both American

research, controls the invasive sea lamprey, and facilitates cooperative fishery management among the state, provincial, tribal, and federal

lobster and winter flounder.

GOM

HC Habitat Committee – An ASMFC committee that provides advice on issues related to habitat, habitat management, habitat requirements by the managed species, enforceability of proposed habitat management measures. **ISFMP** Interstate Fisheries Management Program – An ASMFC program dedicated to the development and maintenance of interstate fisheries management plans for 22 species groups. **IFA** Interjurisdictional Fisheries Act – Federal legislation that provides funding to the three Interstate Fisheries Commissions to support management of interjurisdictional fishery resources. ITC Interstate Tagging Committee – An ASMFC committee that focuses on improving the quality and utility of data collected by scientific and anglerbased tagging programs. ISTC Interstate Shellfish Transport Committee – An ASMFC committee, composed of shellfish technical representatives from each of the 15 states, District of Columbia, Potomac River Fisheries Commission, National Marine Fisheries Service, and U.S. Fish and Wildlife Service, that is tasked with evaluating issues related to the introduction of non-native shellfish to support new commercial fisheries in Atlantic coastal waters. **Juvenile abundance index –** A measure of the relative abundance of JAI juveniles in a stock that may serve as an indication of reproductive success. For some species, the JAI may predict future adult abundance. LEC Law Enforcement Committee – An ASMFC committee which provides advice on issues related to law enforcement and enforceability of potential management measures, comprised of representatives of each member state, Washington, D.C., National Marine Fisheries Service, U.S. Fish and Wildlife Service, and the U.S. Coast Guard. M Natural Mortality – The instantaneous rate at which fish die from all causes other than harvest. Typically includes unmeasured bycatch. M is very difficult to measure. MOA **Memorandum of Agreement** – A document written between parties to cooperatively work together on an agreed upon project or meet an agreed upon objective. The purpose of an MOA is to have a written understanding of the agreement between parties. The MOA can also be a legal document that is binding and hold the parties responsible to their commitment or just a partnership agreement. MOU Memorandum of Understanding –A document describing a bilateral or multilateral agreement between parties. It expresses a convergence of will between the parties, indicating an intended common line of action. It most often is used in cases where parties do not intend to imply a legal commitment. It is a more formal alternative to a gentlemen's agreement. **MRIP** Marine Recreational Information Program – An ongoing recreational data collection and reporting effort that replaces the MRFSS program that began

in the 1970s. MRIP was initiated in 2007 by NOAA Fisheries and a broad collection of scientists, managers, fishermen and others with a stake in

sustainable, abundant ocean resources (estimates the number, catch, and
effort of recreational fishermen).

MSC Management and Science Committee – The principal scientific advisory body

of the ASMFC, comprised of representatives from member states, NMFS, and

USFWS.

MSTC Multispecies Technical Committee – An ASMFC committee tasked with

assisting the ISFMP Policy Board on multispecies modeling efforts and facilitating movement towards the use of multispecies model results in

management decisions.

MSVPA Multispecies virtual population analysis – A series of single-species age-

structured stock assessment models (VPAs) linked by a simple feeding model and used to calculate natural mortality rates. The goal of the MSVPA is to

evaluate fisheries management decisions at the ecosystem level.

MSVPA-X Expanded multispecies virtual population analysis – An enhanced version of

the MSVPA that includes more complex predator-prey interactions and more

flexible options for building single-species VPAs.

MSY Maximum Sustainable Yield: The largest catch that can be taken from a

stock over time under existing environmental conditions without curtailing

the ability of the stock to replace itself.

NEAMAP Northeast Area Monitoring and Assessment Program – A cooperative

state/federal fisheries independent research and data collection program

implemented between the Gulf of Maine and Cape Hatteras, NC.

NEFMC/ New England, Mid-Atlantic, and South Atlantic Fishery Management

MAFMC/ Councils, respectively: Three of eight regional fishery management councils established by the Magnuson Act that are responsible for management of

fisheries in federal waters (3-200 miles from shore).

NEFSC/SEFSC The Northeast & Southeast Fisheries Science Centers of the NMFS,

respectively – NMFS' fisheries research and science arms.

NFWF National Fish and Wildlife Foundation – One of the world's largest

conservation grant-makers, providing funding to support both the public and private sectors to protect and restore the nation's fish, wildlife, plants and

habitats.

NMFS National Marine Fisheries Service – The service within NOAA dedicated to

the stewardship of living marine resources through science-based

conservation and management, and the promotion of healthy ecosystems;

also known as NOAA Fisheries Service.

NOAA National Oceanic and Atmospheric Administration – A federal agency within

the Department of Commerce focused on the condition of the oceans and

the atmosphere.

OCC Outer Cape Cod – A management area designated under Amendment 3 to

the American Lobster FMP.

OFL Overfishing Limit – The estimate of the catch level above which overfishing is

occurring.

OY **Optimum Yield –** The long-term average amount of desired yield (greatest overall benefit to the nation) from a stock, stock complex, or fishery. Because the population size of fish stock fluctuates every year, the amount of fish that is available to the fishery in any given year may be above or below. **PDT Plan Development Team** –group of individuals who are knowledgeable concerning the scientific facts and fishery management issues concerning a designated fish stock and who are appointed and convened by a Management Board to prepare an FMP or amendment and its supporting Source Document. PID **Public Information Document** – A document of the ASMFC which contains preliminary discussions of biological, environmental, social, and economic information, fishery issues, and potential management options for a proposed FMP or amendment. **PRFC** Potomac River Fisheries Commission –An interstate compact of the states of Maryland and Virginia charged with coordinating the regulation of the fisheries of the main stem of the tidal Potomac River. **PRT** Plan Review Team – A group of individuals who are knowledgeable concerning the scientific facts, stock and fishery condition, and fishery management issues concerning a designated fish stock and who are appointed and convened by a Management Board for the purpose of conducting an annual plan review for an FMP. q

Catchability coefficient – The portion of a stock caught by a single unit of

RHL

SASC

SAW/SARC

SCA

fishing effort. **Recreational harvest limit** – A measure that sets an upper limit for annual recreational harvest for species that are jointly managed by the ASMFC and Regional Management Councils.

Stock Assessment Subcommittee – A group of persons who are expert in stock assessment methodologies and scientific/technical matters relating to a specific fish stock. The SASC is jointly appointed by the ASC and the species technical committee, with membership consisting of a combination of SAC members and technical committee members. The Subcommittee is responsible for conducting the species assessment and reports directly to the species technical committee.

The Northeast Regional Stock Assessment Workshop and Stock Assessment Review Committee, respectively – The SAW is a formal scientific peer-review process for evaluating and presenting stock assessment results to managers for fish stocks of the Northwest Atlantic. Assessments are prepared by SAW working groups and reviewed by an independent panel of stock assessment experts called the SARC.

Statistical catch at age – Age-based stock assessment methods utilizing catch-at-age data to derive estimates of population size and fishing mortality. However, unlike VPA, SCAA model parameters are estimated by working forward in time, rather than backwards as is done in VPA analysis.

SCS Small coastal shark complex – A shark species grouping that includes Atlantic sharpnose, finetooth and bonnethead sharks. **SEAMAP Southeast Area Monitoring and Assessment Program –** A cooperative state, federal, and university program for the collection, management, and dissemination of fishery-independent data and information in the Southeastern US and Caribbean. **SEDAR** Southeast Data, Assessment, and Review – The stock assessment peerreview process used by the South Atlantic, Gulf of Mexico, and Caribbean Fishery Management Councils, and the ASMFC to improve the quality and reliability of fishery stock assessments in the US Southeast. **SNE Southern New England** – Used to describe a population segment of the American lobster resource. **Southern New England/Mid-Atlantic** – Used to describe a population SNE/MA segment of the winter flounder resource. **Spawning potential ratio** – A biological index used to assess red drum stock SPR status. S-R **Stock-recruitment curve –** A classic discrete population model which gives the expected number of individuals in generation (e.g., recruitment) as a function of the number of individuals in the previous generation (e.g., spawning stock biomass. SRT Status Review Team – Used as part of the Endangered Species Act listing process. **SSB** Spawning stock biomass - The total weight of the mature females within a stock of fish; frequently used instead of total biomass as a better measure of the ability of a stock to replenish itself. SSC Scientific and Statistical Committee – An advisory committee of a regional fishery management council composed of scientists, economists, and other

technical experts that assist in gathering and analyzing statistical, biological, ecological, economic, social, and other scientific information that is relevant to the management of council fisheries.

TAC or TAL

Total Allowable Catch or Landings – The annual recommended catch by a

Total Allowable Catch or Landings – The annual recommended catch by a management authority to preserve or rebuild a stock.

Technical Committee – A group of persons who are expert in the scientific and technical matters relating to a specific fish stock and who are appointed and convened by a Management Board to provide scientific and technical advice in the process of developing and monitoring FMPs and amendments.

TRAC Transboundary Resource Assessment Committee – A forum for U.S. and Canadian scientists to collaboratively recommend biological reference points and biomass levels based on updated stock assessment information.

TC

u

Exploitation – The percent of a fish population removed by fishing over the course of a year.

USFWS	U.S. Fish and Wildlife Service – a bureau within the Department of the	
	Interior with the mission of "working with others to conserve, protect and	
	enhance fish, wildlife and plants and their habitats for the continuing benefit	

of the American people."

VPA Virtual Population Analysis – A method of estimating stock size through

examination of the sizes, growth, and mortality rates of individual age groups and using that information to "back calculate" the virtual populations that must have existed previously to produce the catches

currently observed in a fishery.

YPR Yield per recruit – The expected yield in weight for a single fish or year

class over the life of the fish or year class.

Z Total Mortality – The instantaneous rate at which fish die from both natural

and fishing related causes. Z = F + M.

Fill-in Your Own Acronyms

OTHER USEFUL TERMS (AS DEFINED BY ISMFP CHARTER)

Action plan A document prepared annually by ASMFC staff and approved by the Policy

Board to provide priorities and schedules for the specific activities of the

ISFMP during a given year.

Adaptive An iterative process which includes evaluation of the response of the

managed

Management fishery and stock to specific management measures and adjusting such

measures based on that evaluation. FMPs may provide for changes within the management program to adapt to changing circumstances. FMPs which

provide for adaptive management shall identify specifically the

circumstances under which adaptive management changes may be made,

the types of measures that may be changed, the schedule for state

implementation of changes, and the procedural steps necessary to effect a

change.

Addendum The mechanism by which changes are made to FMPs and Amendments

under adaptive management.

Best scientific information available

Includes but is not limited to that body of biological, environmental, ecological, economic, and social data concerning the fish stock and fisheries which are the subject of an FMP or amendment, provided that the methods of collecting such information are clearly described and are generally.

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accepted as scientifically valid. Data may come from state, federal, or private databases and from published and unpublished sources. Information that becomes available during preparation of an FMP or amendment should be

incorporated to the extent practicable.

Bycatch That portion of a catch taken in addition to the targeted species because of

non-selectivity of gear to either species or size differences; may include non-

directed, threatened, or endangered and protected species.

Compliance Condition in which a state has implemented and is enforcing all measures

required by an FMP. States are presumed to be in compliance unless

determined to be out of compliance pursuant to Section Seven.

Conservation The restoring, rebuilding, and maintaining of any coastal fishery resource

and the marine environment, in order to assure the availability of coastal

fishery resources on a long-term basis.

Conservation equivalency

Actions taken by a state which differ from the specific requirements of the FMP, but which achieve the same quantified level of conservation for the resource under management. For example, various combinations of size limits, gear restrictions, and season length can be demonstrated to achieve the same targeted level of fishing mortality. The appropriate Management Board/Section will determine conservation equivalency.

Conservation program

Enactment of rules or statutes, research, biological monitoring, collection of statistics, stock enhancement, and enforcement activities conducted by a state to maintain, restore, and/or rebuild a fish stock and its habitat.

De minimis

A situation in which, under existing conditions of the stock and scope of the fishery, conservation and enforcement actions taken by an individual state would be expected to contribute insignificantly to a coastwide conservation program required by an FMP or amendment.

Directed fishery

Fishing for a stock using gear or strategies intended to catch a given target species, group of species, or size class.

Emergency

Unanticipated changes in the ecosystem, the stock, or the fishery which place public health, the conservation of coastal fishery resources, or attainment of fishery management objectives substantially at risk.

Non-compliance

A condition under which the ASMFC has determined that a state has failed to implement and enforce a conservation program as required in an FMP or amendment.

Overfishing

In the context of the ISFMP, harvesting from a stock at a rate greater than the stock's reproductive capacity to replace the fish removed through harvest. Each FMP contains a plan-specific definition of overfishing.

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- Song for the Blue Ocean: Encounters Along the World's Coasts and Beneath the Seas by Carl Safina
- The Secret Life of Lobsters: How Fishermen and Scientists Are Unraveling the Mysteries of Our Favorite Crustacean by Trevor Corson, http://www.secretlifeoflobsters.com/
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- Magnuson-Stevens Fishery Conservation and Management Act (as amended in 2006)
- Atlantic Coastal Fisheries Cooperative Management Act of 1993

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- New England Fishery Management Council, http://www.nefmc.org/
- Mid-Atlantic Fishery Management Council, http://www.mafmc.org/mid-atlantic/mafmc.htm
- South Atlantic Fishery Management Council, http://www.safmc.net/
- Gulf of Mexico Fishery Management Council, http://www.gulfcouncil.org/
- Pacific Fishery Management Council, http://www.pcouncil.org/
- North Pacific Fishery Management Council, http://www.fakr.noaa.gov/npfmc/
- Western Pacific Fishery Management Council, http://www.wpcouncil.org/
- Caribbean Fishery Management Council, http://www.caribbeanfmc.com/

Interstate Fisheries Commissions

- Atlantic States Marine Fisheries Commission, http://www.asmfc.org
- Gulf States Marine Fisheries Commission, http://www.gsmfc.org
- Pacific States Marine Fisheries Commission, http://www.psmfc.org

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