Fish and Fish Egg Distribution Report

Fiscal Year 1994

Report No. 29

Contribution of the

National Fish Hatchery System to Aquatic Ecosystem Management

U.S. Department of the Interior • U.S. Fish and Wildlife Service

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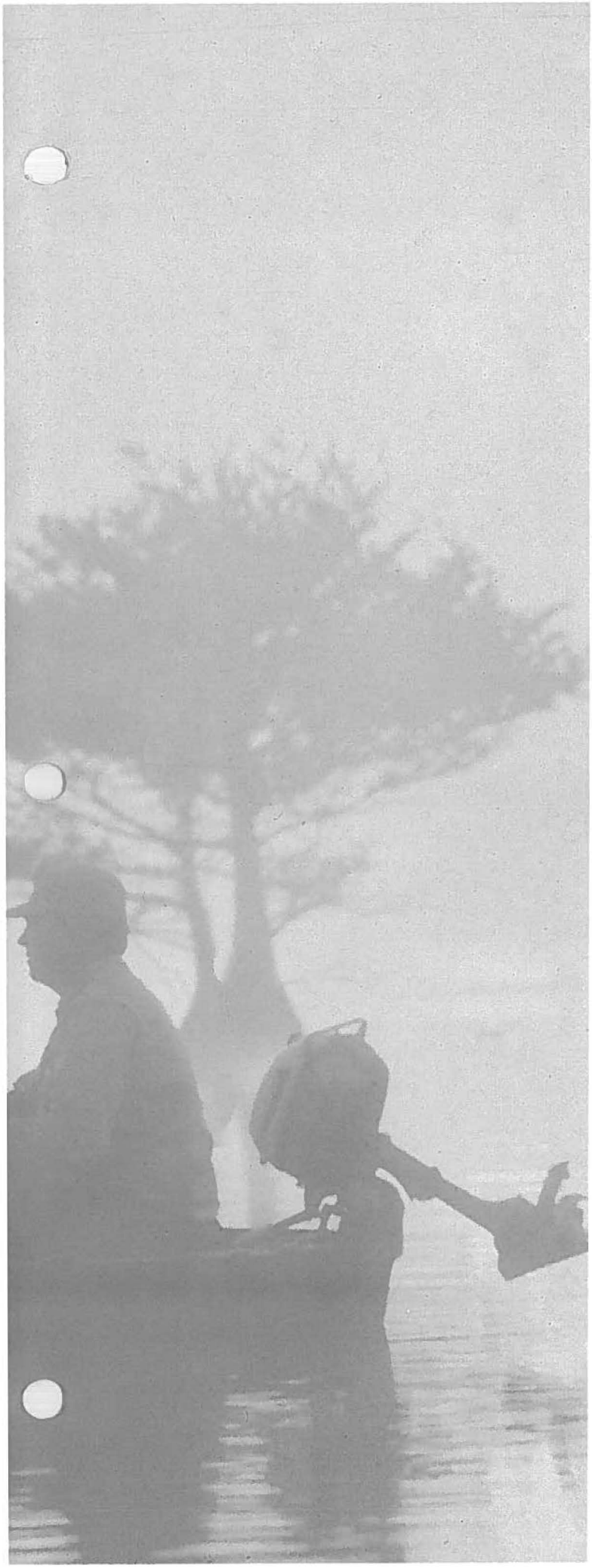
Our Role

National Fish Hatcheries operate under a broad array of legislative authorities and legislative acts, including, but not limited to:

- Fish and Wildlife Act of 1956
- Fish and Wildlife Coordination Act
- Water Resources Development Act of 1976
- Mitchell Act
- Endangered Species Act of 1973
- National Aquaculture Act of 1980
- Atlantic Striped Bass Conservation Act
- Great Lakes Fishery Act of 1956
- Recreational Use of Fish and Wildlife Areas
- Sikes Act
- New England Fishery Resources Restoration Act of 1990



The Fish and Wildlife Service (Service) has a responsibility to conserve, restore, enhance, and manage the Nation's fishery resources and aquatic ecosystems for the benefit of future generations. Federal stewardship of the Nation's fishery resources has been a core responsibility of the Service for over 120 years. The National Fish Hatchery System was established in 1871 by Congress through the creation of a U.S. Commissioner of Fish and Fisheries. The original purpose of National Fish Hatcheries was to provide additional domestic food fish supplies. Propagated fish provided opportunities for creation of new and expanded recreational fisheries opportunities. Cultured fish were used to create or enhance sport fisheries, to replace fish that were lost from natural (drought, flood, habitat destruction) or human (over-harvest, habitat loss due to development) influences, and to establish fish populations to meet specific management needs.

The role of the National Fish Hatchery System has changed and diversified greatly over the past 30 years as increasing demands are placed upon aquatic ecosystems. In the last three decades, human influences have pushed the Nation's natural resources beyond the ability of fish and aquatic resources to sustain themselves. In the last 100 years at least 27 species and 13 subspecies of North American fishes have become extinct, primarily as a result of habitat loss or over exploitation. Over 100 other aquatic species and subspecies are now listed as threatened or endangered. Over the past decade the number of aquatic species listed as threatened or endangered has doubled. The National Fish Hatchery System has responded to this challenge by focusing its resources on:

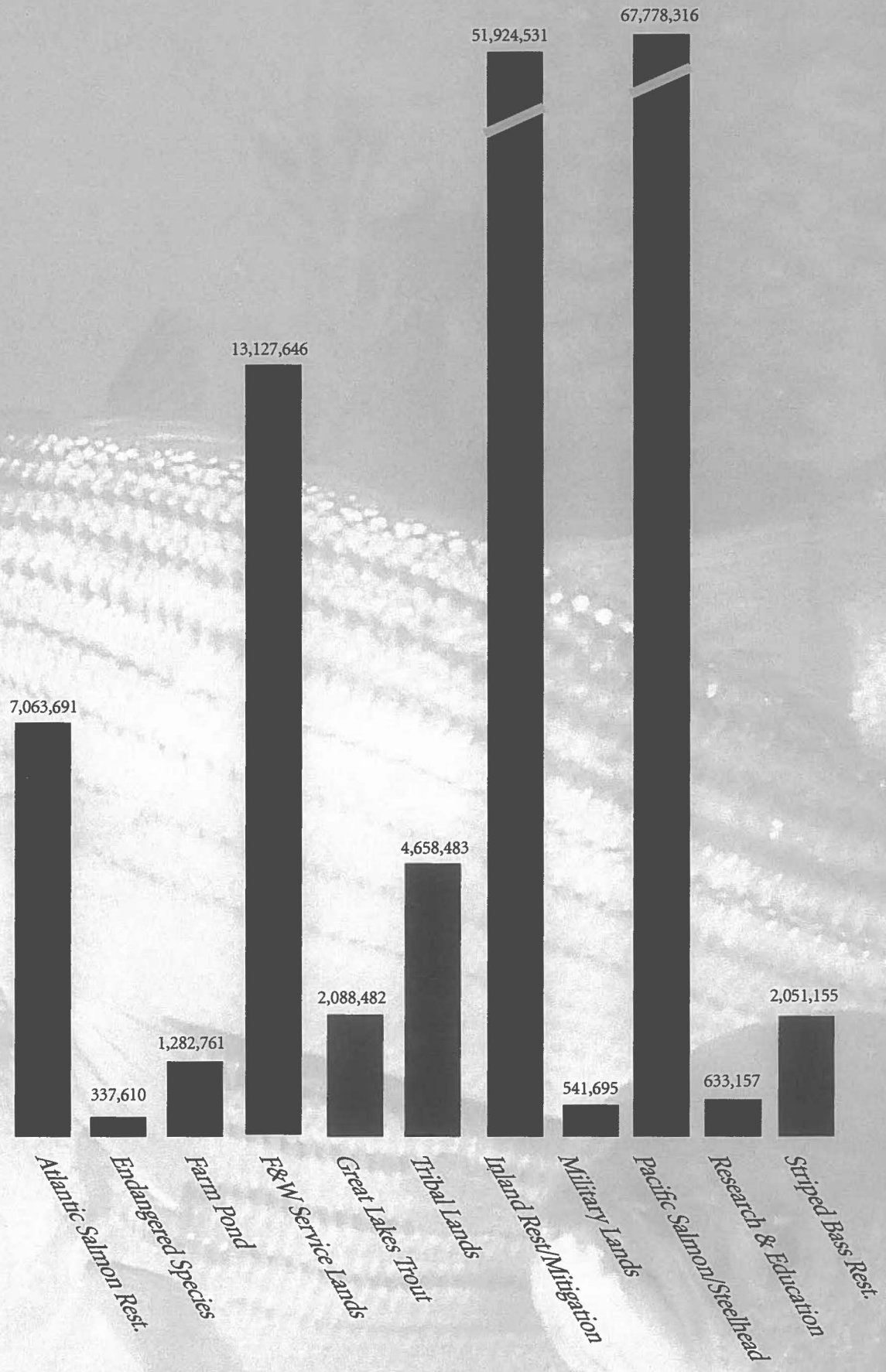
- restoring fish populations in interjurisdictional water where stocks are severely threatened;
- maintaining fish populations where portions of their habitat have been permanently altered in such manner as to disrupt the natural life cycle;
- assisting in recovery efforts for candidate, threatened, and endangered fish species and other aquatic species;
- complying with legal responsibilities to mitigate for the effect of Federal water development projects;

- assisting Native American governments in conserving their fishery resources;
- providing the leadership in developing new fish culture technologies and fish health strategies;
- establishing effective partnerships to meet joint Federal/State stewardship responsibilities for our Nation's fishery resources.

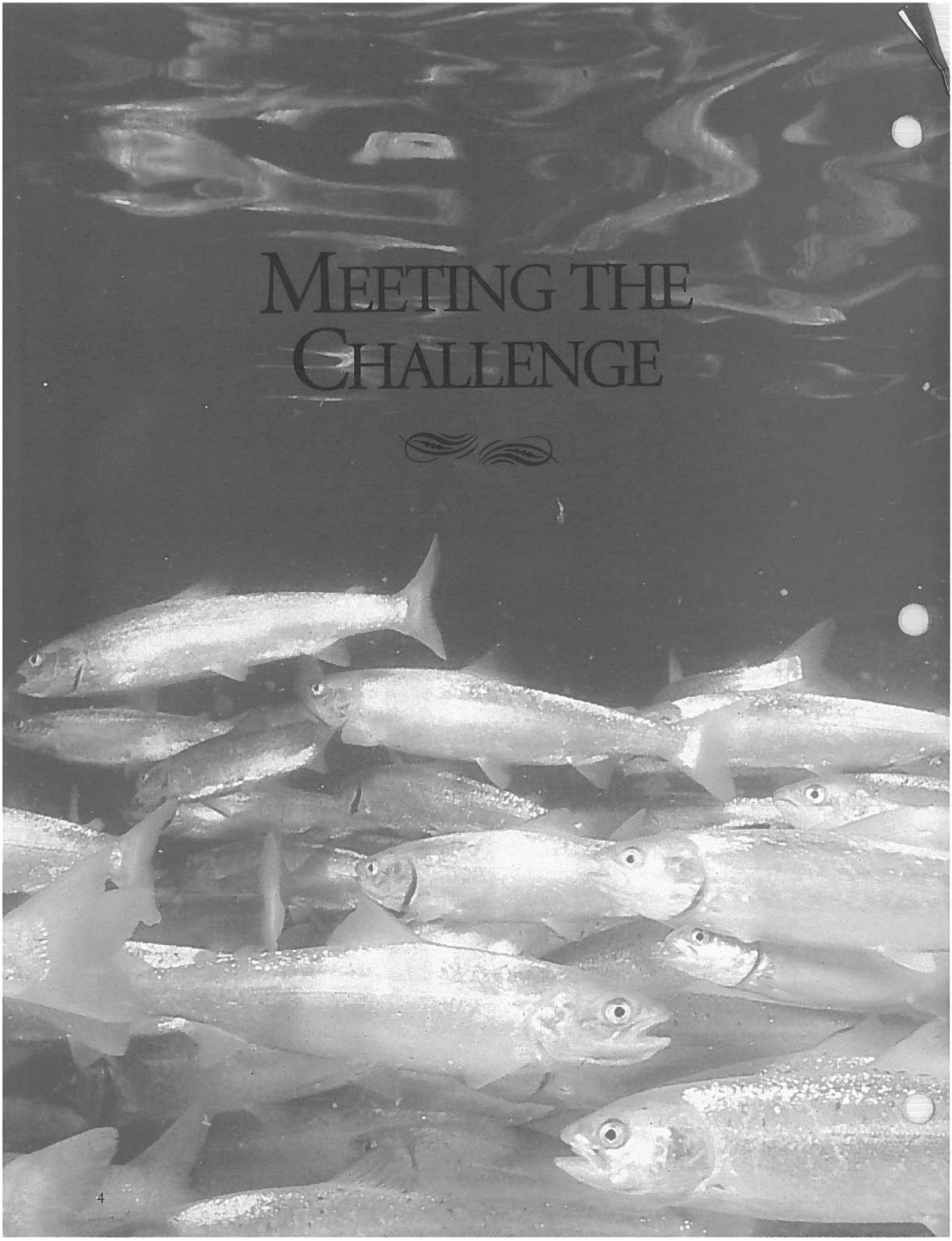
Propagated fish are essential to the survival, maintenance, and restoration of fishable stocks of many freshwater, anadromous, and increasingly, coastal aquatic ecosystems. The National Fish Hatchery System serves as a critical fishery management option in meeting the objectives of comprehensive fishery management plans that are often multi-Federal and/or multi-State in responsibility. Recovery of nationally significant fish stocks such as Pacific salmon, Atlantic salmon, lake trout, and striped bass is interjurisdictional and/or transboundary and requires a cooperative effort between Federal agencies, Foreign governments, Native American governments, and State government to achieve common goals. Federal participation in these programs through fish propagation ensures cooperation across jurisdictional boundaries and development of functional partnerships.

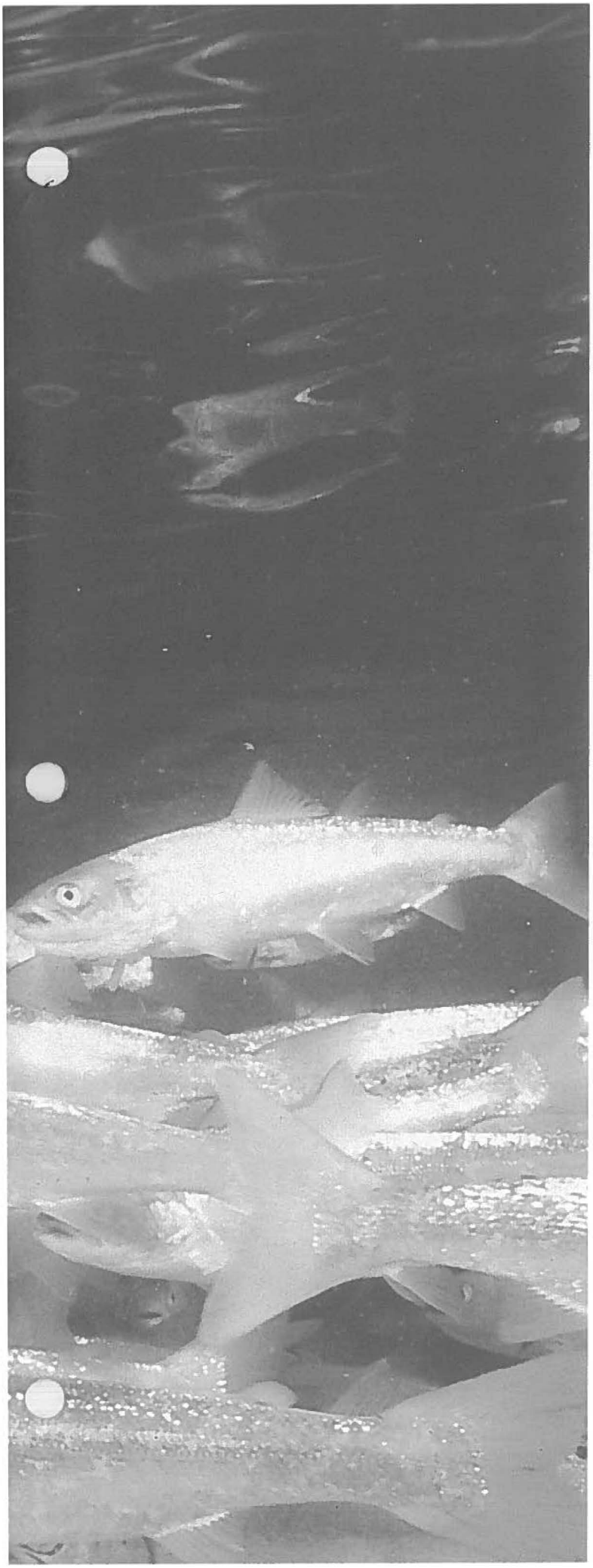
Fish produced in National Fish Hatcheries are used to maintain populations that cannot naturally reproduce, rebuild populations that have been reduced to levels where the species is imperiled, enhance populations that need to be increased to self-sustaining levels, and mitigate the impacts of Federal water development projects. An extensive field presence and broad fishery management capabilities has enabled the Service to focus on the scientific management of the Nation's fishery resources and the long-term sustainability of our aquatic ecosystems. In support of this effort, the National Fish Hatchery System is comprised of a network of 74 National Fish Hatcheries, 9 Fish Health Centers and 5 Fish Technology Centers to accomplish its mission.

Number of Fish Distributed
by Program/Area of Interest



MEETING THE CHALLENGE

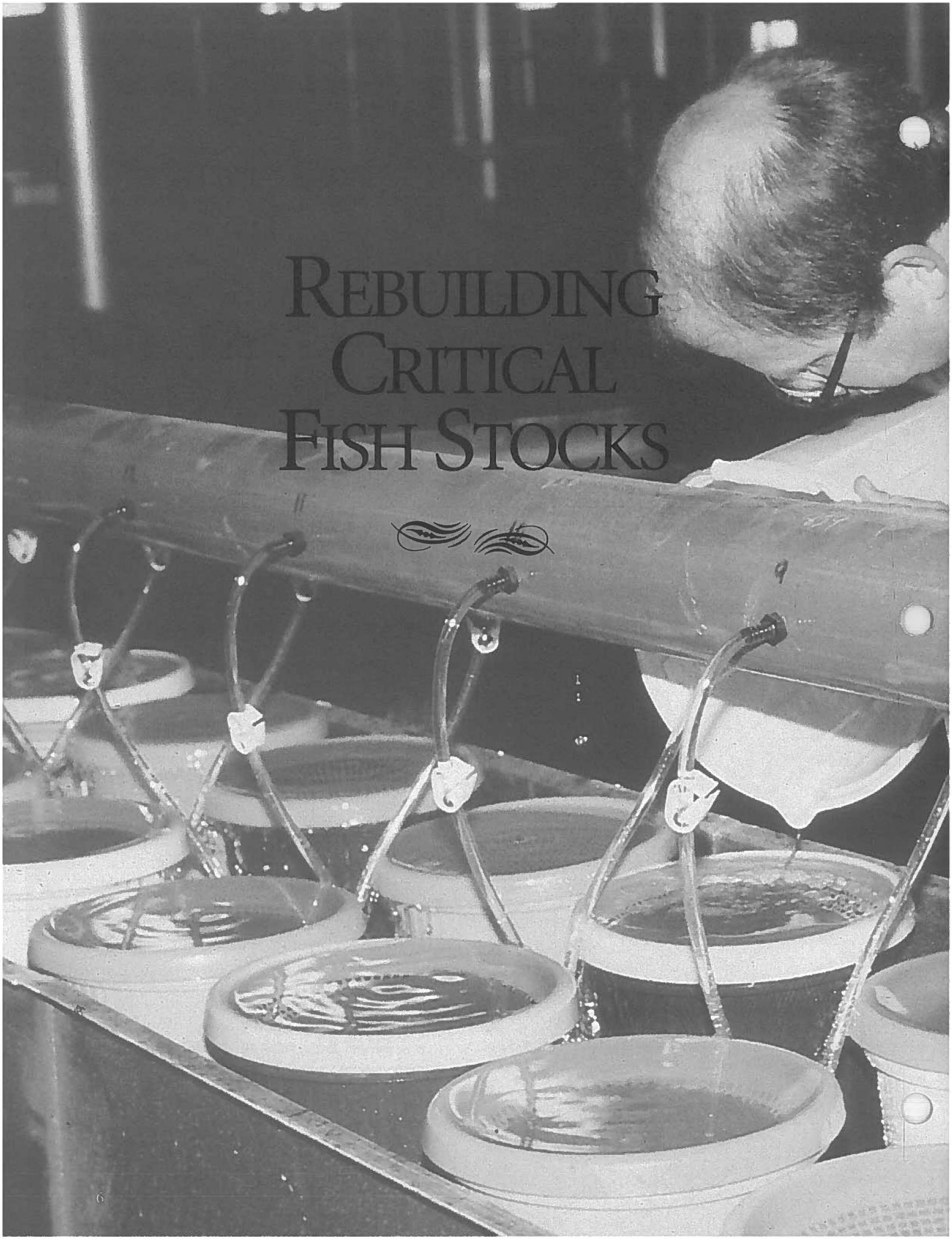




The Service's **Action Plan for Fishery Resources and Aquatic Ecosystems** was approved by Fish and Wildlife Service Director, Mollie Beattie in May 1994. The Action Plan, which was developed through a cooperative effort with constituency groups, incorporates a comprehensive ecosystem approach to conserving, restoring, and enhancing fish resources. The Action Plan is based on scientific management, conservation of natural diversity, effective partnerships, and enhanced public awareness and stewardship. The Plan focuses on aquatic ecosystems where there is a Federal interest (i.e., areas that contain threatened or endangered species, interjurisdictional waters, Federal mitigation projects, National Wildlife Refuges, Tribal lands, military installations, and areas with healthy ecosystems that can be maintained). The National Fish Hatchery System is a key player in the implementation of the Plan by focusing resources on:

- conserving self-sustaining native fish populations for the maintenance of productive fisheries in healthy aquatic habitats,
- maintaining healthy wild populations through genetic diversity, harvest management, habitat improvements, and judicious use of hatchery stocks,
- developing and encouraging partnerships between governments and the private sector to provide greater opportunities for conserving and enhancing aquatic ecosystems and for advancing their stewardship,
- increasing public education and outreach to develop an informed and involved citizenry,
- serving as a catalyst in ensuring that aquatic resource problems are quickly identified, corrective steps are organized, and action is agreed upon, coordinated, and addressed,
- assuring long-term ecosystem health while supporting sustainable development of aquatic ecosystems, fishery resources, and compatible recreational, cultural, and other uses.

Rebuilding Critical Fish Stocks



Atlantic Salmon

No concerted effort to restore Atlantic salmon was made until the mid-1960s, when the Anadromous Fish Conservation Act was passed, providing for Federal cost-sharing with the States. Since then, the Service has undertaken a major effort to restore the Atlantic salmon to its native rivers in New England. Currently, the Atlantic salmon restoration program is a cooperative effort between the Service, the States (Maine, New Hampshire, Vermont, Massachusetts, Connecticut, and Rhode Island), and the National Marine Fisheries Service. The restoration program focuses on protecting and enhancing all life stages of Atlantic salmon, including hatchery fry stocking rather than parr or smolts, restoration of spawning and rearing habitat, reductions of harvest, and providing adequate upstream and downstream fish passage to ensure successful completion of the life cycle. Over the past five years, National Fish Hatcheries have provided over 28 million Atlantic salmon for stocking in New England waters. Major river systems targeted include: Penobscot, Connecticut, Merrimack, and Pawcatuck. In 1994, more than 6 million Atlantic salmon fry were stocked and nearly 12 million eggs were incubated in the Connecticut River basin. This is expected to yield higher adult returns in 5-7 years, making progress towards the establishment of natural spawning populations.

Great Lakes Lake Trout

The Great Lakes Fish and Wildlife Restoration Act of 1990 provides resources to address mutually developed goals for the Great Lakes. Under provisions of the Act, in partnership with National, State, Tribal, provincial, and conservation organizations, the Service is implementing restoration actions for the Great Lakes. In an effort to rebuild naturally reproducing lake trout in all of the Great Lakes, an aggressive stocking program has been combined with efforts to control the sea lamprey, improve water quality, and regulate harvest. Over the past ten years, National Fish Hatcheries have stocked over 65 million lake trout eggs, fry and juveniles into the Great Lakes. Many of these fish are stocked on offshore reefs where lake trout are known to spawn and survival has been the highest. Progress towards lake

trout restoration as a result of stocking has been made in each of the Great Lakes; particularly Lake Superior, Lake Huron and Lake Erie. Evidence of natural reproduction from lake trout stocked in 1985 on Six Fathom Bank of Lake Huron has recently been documented. Hatchery product evaluation is an ongoing effort to determine survival and growth of hatchery produced lake trout and to identify critical spawning habitats.

Pacific Salmon and Steelhead Trout

Pacific salmon and steelhead trout restoration efforts consists of a combination of hatchery propagation, wild stock management, and habitat rehabilitation. The Service is working cooperatively with other Federal agencies, the western States, and the Tribes in developing and implementing a watershed approach to anadromous fish restoration. The Service continues to work cooperatively with the Bureau of Reclamation to carry out the Central Valley Improvement Act to restore anadromous fishery resources in the Sacramento River. The Coleman National Fish Hatchery has been a major contributor to these efforts. Restoration activities in the Columbia River basin include management of three stocks of Snake River salmon listed under the Endangered Species Act and efforts to prevent future listings of other stocks at risk. In 1994, National Fish Hatcheries produced over 10 million spring chinook salmon, over 46 million fall chinook salmon, over 8 million coho salmon, over 2 million chum salmon, and over 6 million steelhead trout to supplement and mitigate natural production of the Columbia River Basin and western Washington river basin.

Striped Bass

Striped bass restoration efforts have largely focused on the Atlantic and Gulf coasts. Over 8.6 million striped bass were stocked in support of this critical restoration effort in 1994. The Service's cooperative evaluation and management program for the Atlantic striped bass continues to prove to be an extremely successful program. In 1982, the Service began working with the Atlantic States Marine Fisheries Commission to implement the Striped

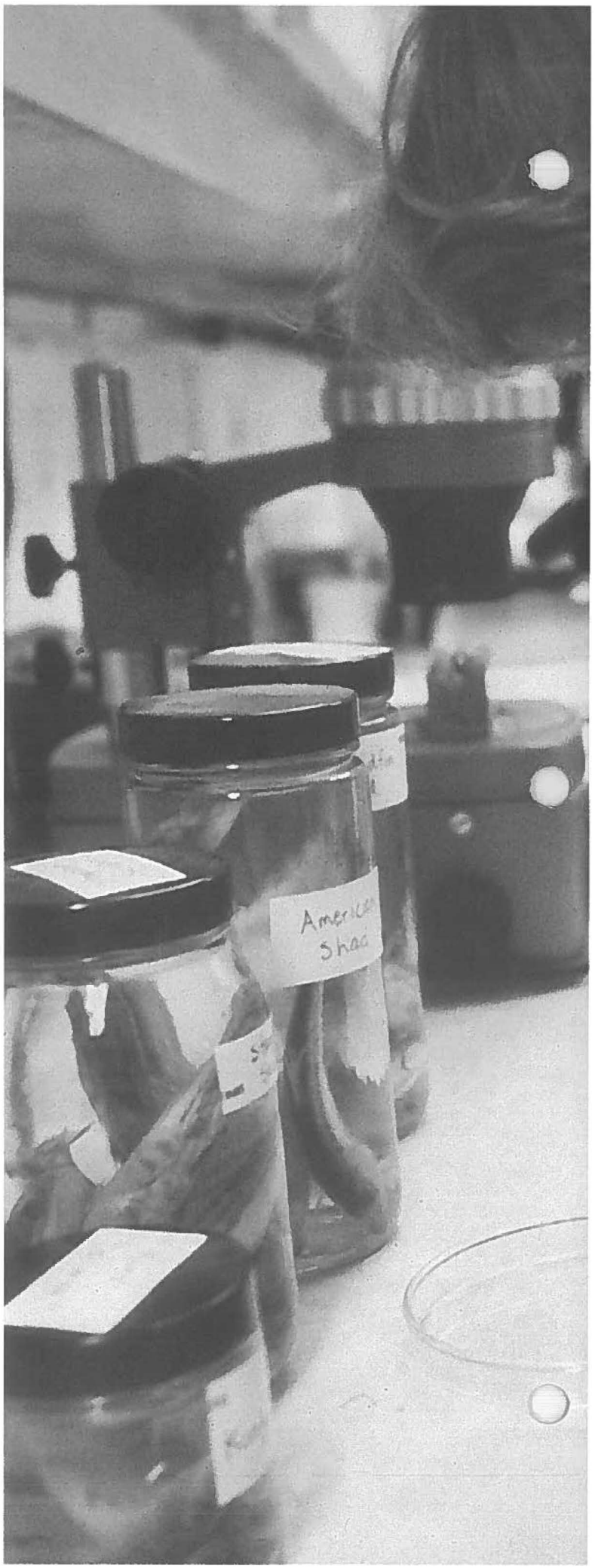
Bass Fishery Management Plan after populations of Atlantic striped bass reached a record low. A total moratorium was placed on harvesting striped bass in the Chesapeake Bay. A cooperative effort was initiated to limit harvest and enhance striped bass production. As part of the restoration effort, the States developed cooperative stocking programs with the Service that included assessing the use of hatchery-reared fish in restoring the Chesapeake Bay population to a self-sustaining level. All hatchery fish were tagged and monitored. In 1993, historical juvenile striped bass indices showed a strong comeback from the low point in the early 1980's. These indices continued to show an improved fishery in 1994. The striped bass fishery along the Atlantic coast has been reopened. This success is also being seen along the Gulf Coast. A stocking program which was initiated by the Service in the 1980's is showing significant results.

Mitigation Responsibilities

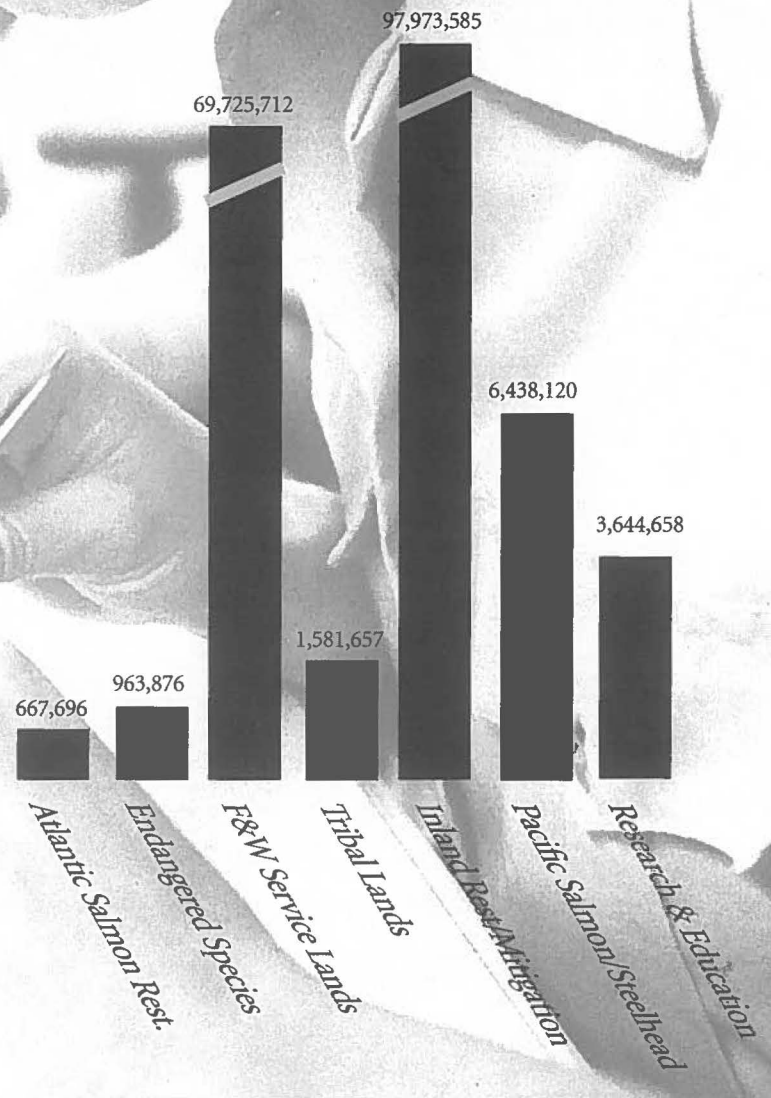
The Service implements several forms of mitigation associated with existing Federal water development projects by 1) minimizing project impacts (i.e., fish-passage facilities), 2) rectify project impacts (i.e., restoring habitat), and 3) compensating for project impacts (i.e., enhancement of fishery resources in reservoirs and tailwaters created by Federal water development projects). Mitigation hatcheries, as part of the National Fish Hatchery System, compensate for the impacts cause by Federal water development projects. Statutory mandates require that the Service mitigates the impacts of Federal water development projects on fishery resources. Within the National Fish Hatchery System, 33 hatcheries are considered mitigation hatcheries. In many cases, the cost to operate these facilities is funded by the responsible agency for the water project (i.e., U.S. Army Corps of Engineers, Tennessee Valley Authority, National Marine Fisheries Service, Bureau of Reclamation, and Bonneville Power Administration). In FY 1994, National Fish Hatcheries involved in mitigation distributed over 55 million fish. Some of these mitigation efforts include:

- salmon production at Coleman National Fish Hatchery to impact fishery resource losses in the Sacramento River system,

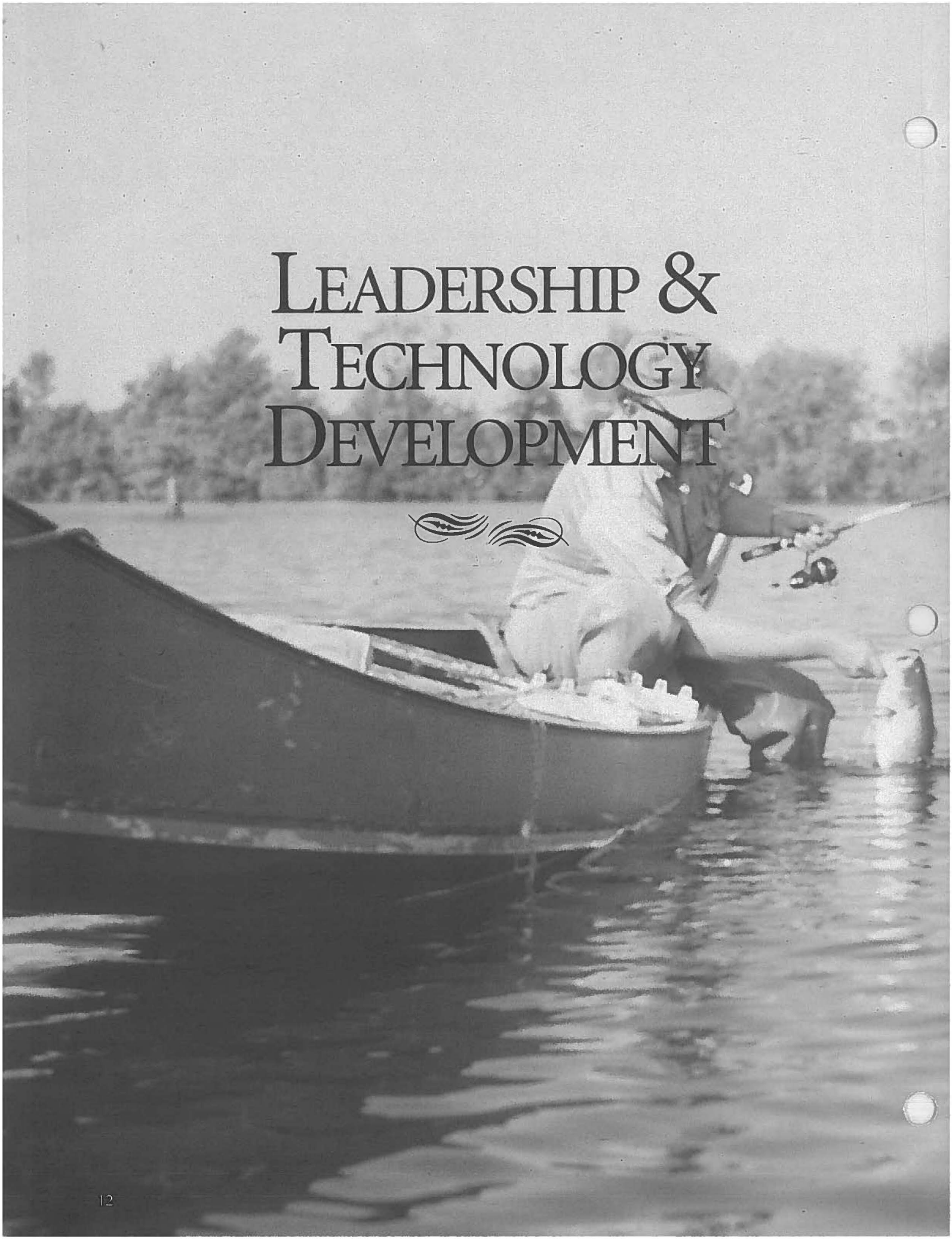
- northern pike and walleye production at Garrison Dam National Fish Hatchery to mitigate fishery losses caused by the construction of six dams on the Missouri River,
- production of over 34 million fall and spring chinook salmon annually at six National Fish Hatcheries to mitigate the loss of fishery resources in the Columbia River due to the construction of the Bonneville and Grand Coulee Dams,
- production of spring chinook and steelhead trout at Dworshak and Hagerman National Fish Hatcheries for the Snake River Basin as part of the Lower Snake River Compensation Plan, authorized by Congress in the Water Resources Development Act of 1976,
- production of rainbow trout by Norfork National Fish Hatchery to mitigate fishery losses to the White River drainage of Arkansas and Missouri as the result of dams constructed by the Corps of Engineers,
- trout production at Hotchkiss and Jones Hole National Fish Hatcheries to mitigate the impacts of the Colorado River Storage Project.

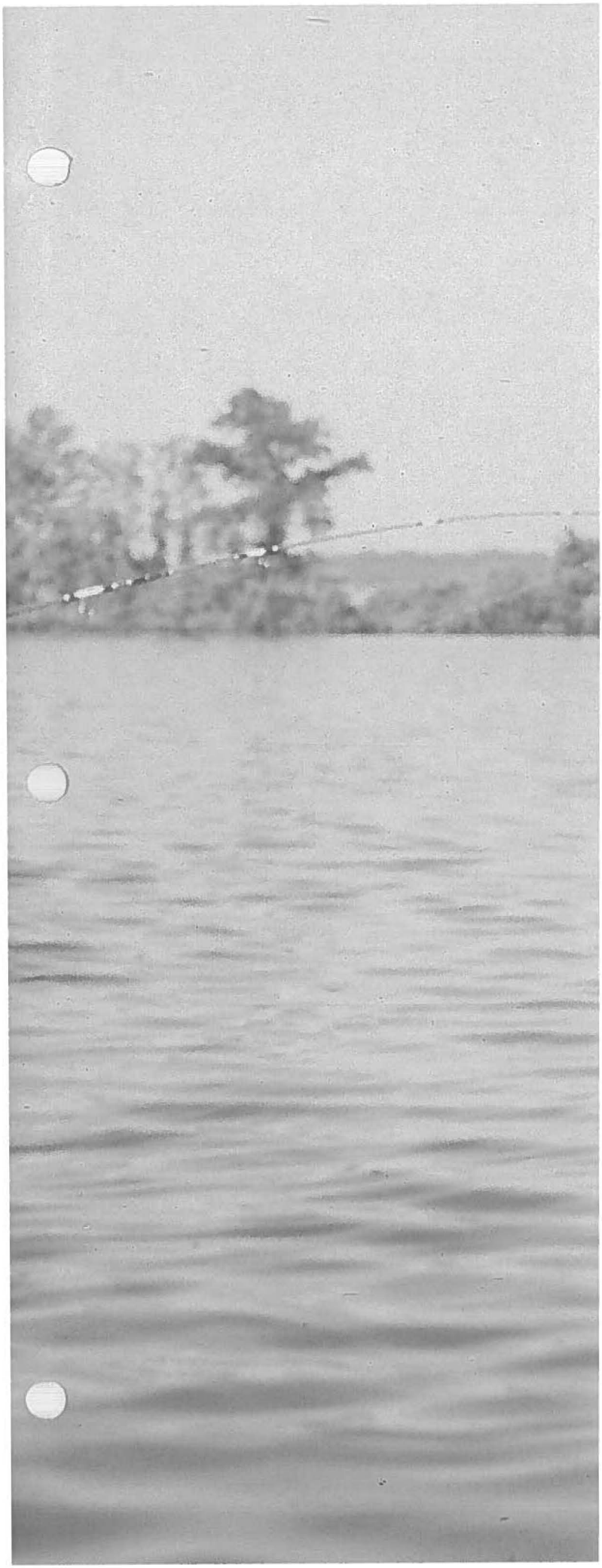


Number of Fish Eggs Distributed
by Program/Area of Interest



LEADERSHIP & TECHNOLOGY DEVELOPMENT





To foster successful management of the Nation's fishery resources, the Service continues to focus on the scientific management of fish stocks and aquatic communities. The Service carries out its leadership responsibilities by developing new concepts and improved technologies in fish propagation (particularly captive propagation for threatened and endangered fish species and other aquatic species), fish health, broodstock management, drug and chemical usage, stock assessment and aquaculture.

Fish Technology Development

The Service's five Fish Technology Centers provide direct technical support to the entire National Fish Hatchery System and thereby help ensure efficient operation of the National Fish Hatcheries. Technology Centers also provide technical assistance and fish culture technology to State hatcheries, the commercial aquaculture industry, and to other organizations and individuals engaged in raising fish. This includes development, testing, and quality-control of feeds and feeding systems; application of research results and new technologies to hatchery operations; improvement of water reconditioning methods to increase efficiency of hatchery operations; and evaluation of fish strain performance under specific management conditions. A Fish Technology Center Advisory Team ensures that Centers focus on the highest priority needs of the Service, especially those involving conservation of ecosystem integrity through maintenance of biological diversity. Fish Technology Centers have provided leadership in technology development in fish culture by:

- development and improvement of cultural techniques for striped bass and several threatened or endangered fish species (e.g. greenback cutthroat trout, Arctic grayling, sturgeon species);
- development of oxygen supplementation systems;
- development of improved diets and feeding systems for larval fishes and several hard-to-rear species, such as striped bass, walleye and sturgeon species;

- development of cryopreservation methodologies needed to preserve genetic material of imperiled native fishes;
- development of genetic management and broodstock plans for Gila trout, Apache trout, razorback sucker, bonytail, and the Colorado squawfish;

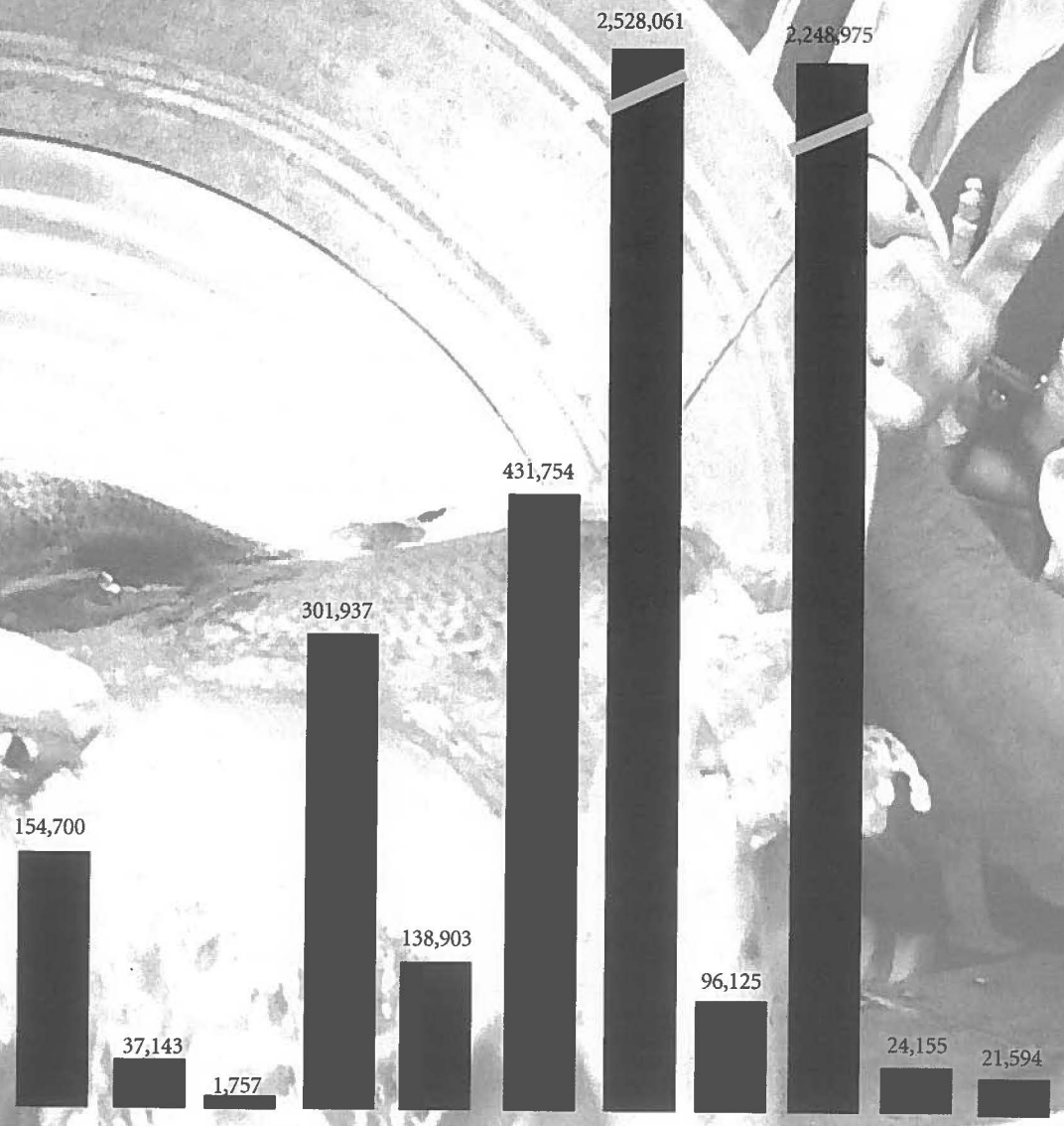
Increased areas of emphasis that Fish Technology Centers will focus to provide continued leadership in fish culture include:

- conserving the genetic integrity of fish stocks especially native fishes;
- developing criteria and standards to ensure that multiple site hatchery production evaluations are comparable;
- evaluating the interactions of cultured fish on wild stocks;
- developing techniques and technologies to assist in the recovery of threatened and endangered fishes; and
- providing assistance to National Fish Hatcheries in managing drugs and chemicals used as therapeutants and in reducing use of these compounds.

Product Evaluation

Biologists continue to utilize tagged hatchery fish to obtain important fishery management information, thus providing the basis for hatchery product evaluation programs. The Service works in partnership with commercial and sport fishermen, State agencies, and regional watershed authorities to retrieve management information from tagged fish on migration patterns, the contribution of hatchery fish to restoration efforts, and the long-term survival of stocked fish. Tagging has increased to keep pace with the demands of a changing management environment that demands greater attention to management planning and program evaluation. Hatchery fish serve as indicators of the wild populations to help determine how and why the overall restoration program worked. The Service is placing greater emphasis on evaluating the contributions of hatchery stocks in

Pounds of Fish Distributed
by Program/Area of Interest



conserving our Nation's fishery resources. Special attention is being focused on genetics management, conservation biology, and coordination with fishery management plans. In partnership with Fish Technology Centers and Fishery Resource Offices, National Fish Hatcheries continue to use the results of evaluations to review, and redirect, when needed, its focus.

Imperiled Fish Species Recovery

National Fish Hatcheries are increasing emphasis on recovery activities for imperiled fishes, which includes threatened, endangered, and candidate fish species. An increasing effort of the National Fish Hatchery System is being devoted to holding imperiled fish species in refugia, developing technology to support propagation, and propagating fish. Federally-listed endangered, threatened, and candidate fish species are being handled at 30 of the Service's facilities. Included are 26 National Fish Hatcheries, two Fish Technology Centers, and two Fishery Resource Offices. Twenty-eight fish species Federally-listed as threatened or endangered and 11 species recognized as candidates are currently being propagated or held in refugia at these 30 facilities. Controlled propagation is an important strategy identified in most of the approved recovery plans for endangered fishes. Implementation of strategies identified in recovery plans is coordinated with other recovery priorities. Additionally, the National Fish Hatchery System is evaluating the appropriateness of expanding its controlled propagation program to incorporate other aquatic species. Native freshwater mussels will be held at Genoa National Fish Hatchery as a two-year pilot project in a cooperative study with other Federal agencies, State resource agencies, and private organizations.

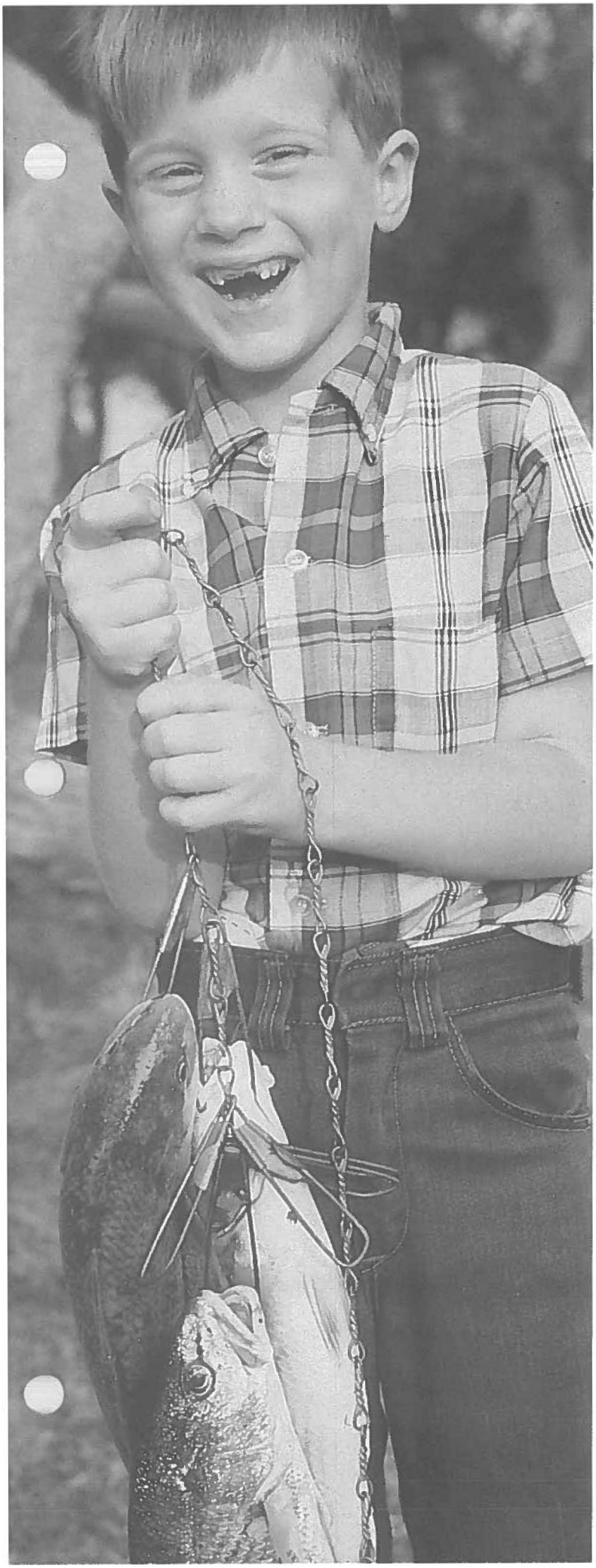
Fish Health

Nine Fish Health Centers work cooperatively with National Fish Hatcheries, Tribes, States and other Federal agencies to detect, identify, document, and control fish pathogens and diseases. Essential diagnostic services and disease treatment recommendations assist resource managers in restoration, supplementation, and enhancement programs by reducing mortality and morbidity in hatchery and wild fish. Continual fish health monitoring is necessary to better understand disease processes and interactions between hatchery and wild stocks. Fish Health Centers are expanding their roles in efforts to recover endangered and threatened species. For example Fish Health Centers are:

- providing diagnostic services and expertise for recovery programs for Lahontan cutthroat trout, Cui-ui suckers, Sacramento River winter-run chinook salmon, Puget Sound summer chum salmon, Columbia River chinook salmon, Columbia River sturgeon, and Redfish Lake sockeye salmon.
- conducting investigations in cryopreservation of gametes of winter-run chinook in the Sacramento River.
- developing non-lethal sampling methods to provide an alternative for disease determinations that does not require sacrificing valuable or endangered fishes.

Drug and Chemical Registration

The Food and Drug Administration (FDA) has increased its emphasis on compliance with regulations governing the use of non-approved drugs and chemicals in aquaculture. Since only four of the 50 compounds commonly used in Service fishery programs are FDA approved, this has posed a major problem for the Service. Therapeutant drug and chemical use is critical to many Service fishery programs, including programs for the restoration of endangered or threatened fish species. The approval process for a new animal drug is expensive and time consuming. The research required for approval of even one compound can cost several million dollars and take 5-7 years. Therefore, in response to the FDA's increased demand for compliance and the high cost of meeting FDA approval requirements for needed compounds, the Service initiated an effort in 1993 to identify compounds critical to Service fishery programs and to begin working with the FDA to gain approval for use of the critical compounds. Since that time, the Service has reduced the list of 50 compounds to 12 critical compounds and uses.



Partnerships to provide funding and perform needed research on critical compounds have been initiated with National Biological Service, the International Association of Fisheries Agencies, other affected government agencies, and private aquaculture organizations.

National Broodstock Program

The National Broodstock Program was established to ensure the availability of adequate numbers of disease-free, genetically distinct strains of trout eggs needed to meet the production needs of the National Fish Hatchery System. In 1994, broodstock program hatcheries produced over 53 million trout eggs that were provided to Service hatcheries, State cooperators, other Federal agencies, research institutions, and universities. These eggs were used by the Service and State cooperators to support critical restoration efforts (i.e., stocking of lake trout in the Great Lakes), meet mitigation responsibilities as the result of Federal water development projects, and provide recreational fishing opportunities for the 50 million people who fish annually. Additionally, the Service has been assisting private aquaculture interests in securing difficult-to-obtain freshwater finfish seedstocks necessary to establish broodstocks. This is done only if all efforts have been exhausted in obtaining the particular strain from the private sector. The Service has a responsibility within its leadership role to maintain desired strains of broodstocks to meet the restoration and mitigation needs of the different aquatic ecosystems throughout the United States. Currently 22 different strains of trout including rainbow, brown, brook, lake, and cutthroat are available through the National Broodstock Program. The Service continues to receive requests from State cooperators for additional strains necessary to meet specific fishery management needs. Strain Management Plans are being developed for all broodstocks currently held on Service facilities. The plans will ensure that all Service broodstocks are properly managed using established guidelines for maintaining genetic integrity.

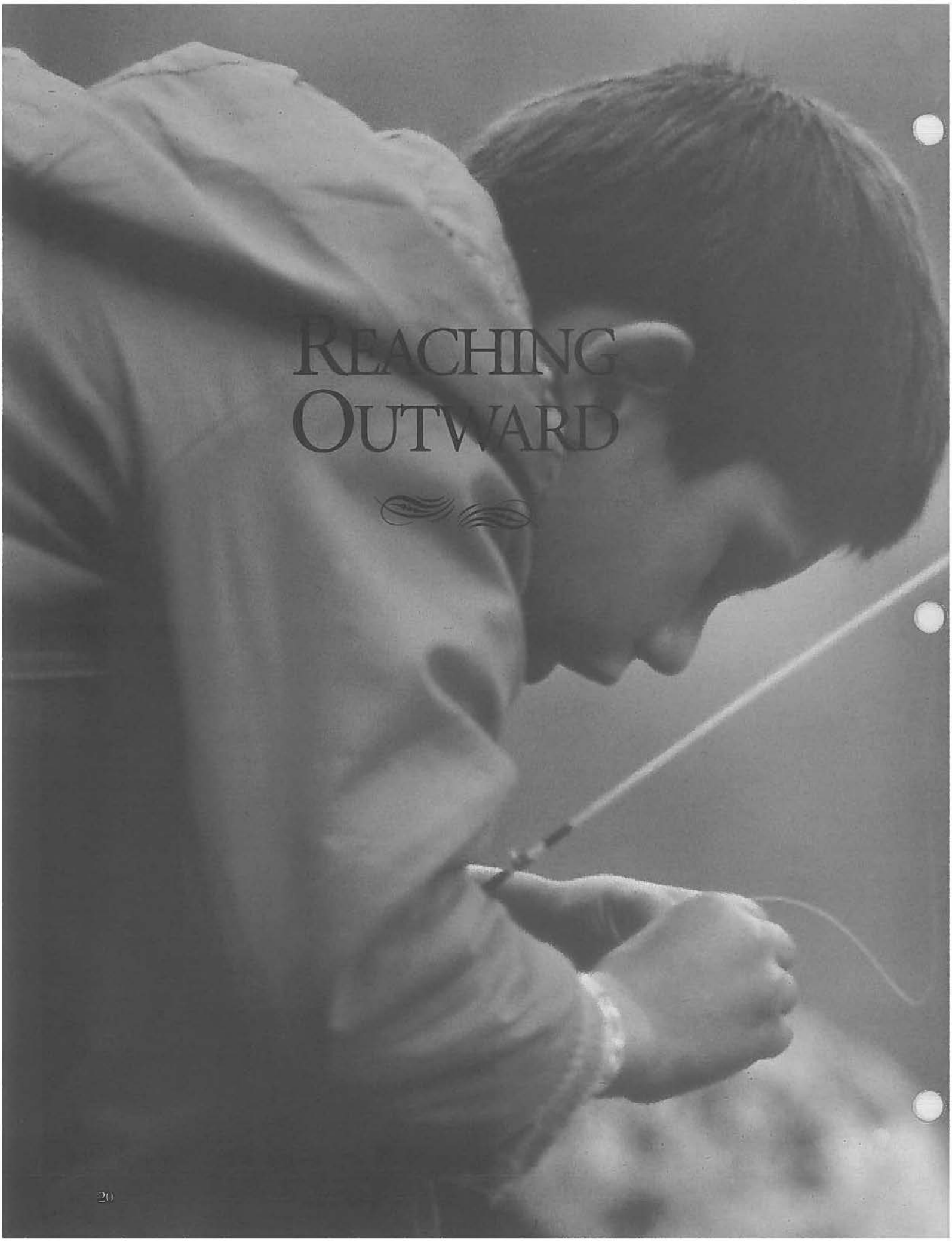
Aquaculture

The Service has a long-standing interest in public and private aquaculture based on the Service's own fish culture activities and the potential impacts of aquaculture activities on public resources. The present technology development and resource management functions of the Service include substantial aquaculture activities based on the National Aquaculture Act of 1980. The National Aquaculture Act as amended establishes the U. S. Department of Agriculture as the lead agency for private aquaculture promotion and development. However, in as much as the Department of the Interior has major responsibilities as a resource conservation agency relative to aquaculture development, the Service coordinates Department support of aquaculture efforts to ensure that such aquaculture development occurs in a manner compatible with responsible resource stewardship. The Service has responsibilities for certain laws and regulations that may be important to fish farmers, but is not responsible for any regulations that concern the growing, processing, or marketing of farmed freshwater fishes. The Service administers regulations concerning the transportation of certain fish pathogens and the control of fish-eating nuisance birds. Violations of State wildlife regulations during interstate or international commerce is a violation of Federal regulations that are enforced by the Service. Information based on the expertise and experience of the professional staffs at National Fish Hatcheries, Fish Technology Centers, and Fish Health Centers is available to the private fish farmer. Information developed at Service fisheries facilities is also available from Aquaculture Information Centers at the National Agriculture Library, most State agriculture colleges, and the Cooperative Extension Service.

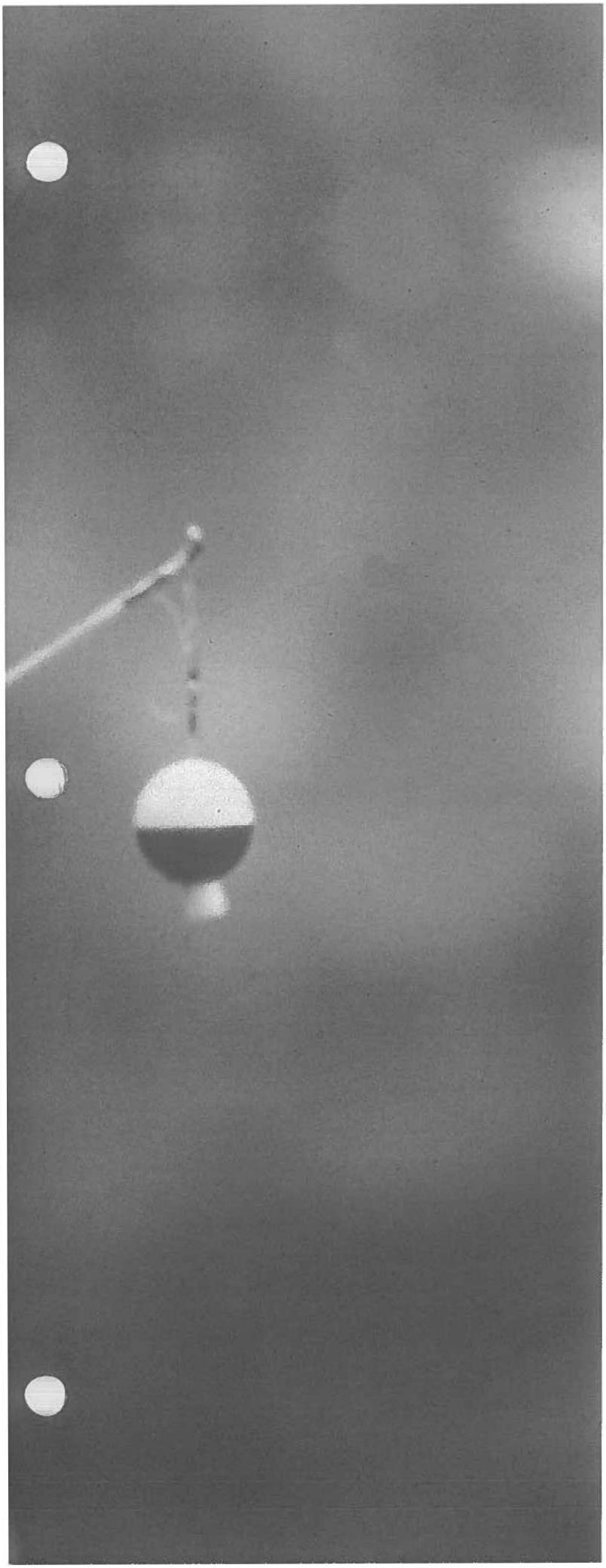
Economic Benefit of Eight Inland Salmonid Mitigation Hatcheries

Fiscal Year	Annual Facility Operational Cost	Total Fish Stocked	Angler Trips	Angler Expenditures
1994	$2,500,000	7,800,000	1,472,000	$73,600,000
1995	$2,500,000	7,800,000	1,472,000	$76,500,000
1996 (est.)	$2,700,000	7,800,000	1,472,000	$79,600,000

Assumptions:
Based on production at the following National Fish Hatcheries: Jackson NFH, KY; Dale Hollow–NFH,TN; Greers Ferry NFH, AR; Norfork NFH, AR; Neosho NFH, MO; Hotchkiss NFH, CO; Leadville NFH, CO; and Jones Hole NFH, UT. Calculation of angler trips makes two conservative assumptions: a 75% return to creel and catch rate of 4 fish per angler trip. Angler expenditures are calculated based on historical trends identified in the *Economic Impact of Sport Fishing in United States, Sport Fishing Institute.* 1994. A 4% inflation rate is assumed.



Reaching Outward



The National Fish Hatchery System provides outreach programs to heighten environmental awareness and to inform and involve the public in support of responsible fishery stewardship. Over 3 million citizens visit our National Fish Hatcheries annually. Many of our National Fish Hatcheries serve as outdoor laboratories for school groups, environmental organizations, and universities. In 1994, many National Fish Hatcheries initiated cooperative programs with secondary schools with the goal to provide instruction in fish biology, aquaculture, fishing, and ecosystem stewardship. A curriculum developed includes laboratory analysis of fish specimens, principles of applied fisheries management, and opportunities for international students to learn hatchery production techniques. National Fishing Week, an annual activity designed for outreach purposes, is actively supported by all National Fish Hatcheries. Fishing clinics, display aquariums, demonstrations, and environmental education sessions are highlights of this event. These events not only expose children and adults to the joys of recreational fishing, but also illustrate the importance of a quality environment necessary to provide these opportunities.

Fishery resources are an integral component of our national heritage and essential and irreplaceable parts of most ecosystems. Fishery resources play an important role in our Nation's social, cultural, and economic well-being.

Recreational angling in America provides $69.4 billion in economic output, 1 million jobs, $2.1 billion in federal income taxes, $1.1 billion in state sales taxes, $227 million in state income taxes and about $200 million in excise taxes to create new fishing opportunities *(American Sportfishing Association, May 3, 1995).*

The Service is committed to expanding chances for people to enjoy the Nation's recreational fisheries. The Service's Fisheries' outreach efforts develop and support activities that introduce America's children and adults to personal and environmental values, resource conservation and management, and outdoor recreational opportunities.

TABLE I.

Fish and Fish Egg Distribution by National Fish Hatchery

Hatchery	Number Distributed	Weight (Pounds)	Number Eggs Produced
Abernathy STC, WA	491,668	19,379	0
Alchesay/Williams Creek NFH, AZ	1,047,133	176,407	604,298
Allegheny NFH, PA	1,176,905	78,113	3,006,540
Berkshire NFH, MA	175	1,750	1,208,000
Bo Ginn NFH/AQ, GA	1,109,521	17,748	0
Bowden NFH, WV	657,380	194,102	0
Bozeman FTC, MT	71,662	3,315	0
Carbon Hill NFH, AL	776,948	10,998	0
Carson NFH, WA	2,992,959	111,948	570,690
Chattahoochee Forest NFH, GA	798,791	131,574	0
Coleman NFH, CA	18,811,456	345,767	0
Craig Brook NFH, ME	1,168,638	413	1,963,780
Creston NFH, MT	1,275,283	112,672	0
Dale Hollow NFH, TN	1,311,580	198,446	0
Dexter NFH, NM	399,043	2,969	611,253
Dworshak NFH, ID	3,323,690	372,907	2,699,900
Eagle Creek NFH, OR	2,298,181	159,044	0
Edenton NFH, NC	982,339	20,461	0
Ennis NFH, MT	32,499	28,734	20,064,036
Entiat NFH, WA	782,218	38,315	0
Erwin NFH, TN	49,818	52,401	13,517,765
Garrison Dam NFH, ND	5,595,253	111,167	39,669,000
Gavins Point NFH, SD	20,226,266	22,222	10,123,000
Genoa NFH, WI	15,007,887	13,328	24,990,884
Greers Ferry NFH, AR	1,043,356	223,876	0

TABLE I. (CONTINUED)

Fish and Fish Egg Distribution by National Fish Hatchery

Hatchery	Number Distributed	Weight (Pounds)	Number Eggs Produced
Green Lake NFH, ME	658,069	99,946	2,066,350
Hagerman NFH, ID	2,124,441	351,611	0
Harrison Lake NFH, VA	320,162	5,116	0
Hiawatha Forest NFH, MI	693,700	35,325	0
Hotchkiss NFH, CO	2,006,901	117,255	0
Inks Dam NFH, TX	1,019,087	43,634	0
Iron River NFH, WI	959,456	96,697	5,761,600
Jackson NFH, WY	707,501	60,092	200,000
Jones Hole NFH, UT	1,899,882	148,870	0
Jordan River NFH, MI	3,625,100	171,499	0
Kooskia NFH, ID	305,813	15,132	0
Lahontan NFH, NV	327,345	32,382	5,000
Lamar NFH, PA	111,025	28,317	0
Leadville NFH, CO	499,107	99,150	0
Leavenworth NFH, WA	1,627,991	98,050	1,000
Little White Salmon/Willard NFH, WA	6,132,516	116,293	2,605,965
Makah NFH, WA	4,147,514	86,729	0
Mammoth Spring NFH, AR	4,536,626	10,526	0
Mckinney Lake NFH, NC	808,206	3,792	0
Meridian NFH, MS	2,735,216	3,223	0
Mescalero NFH, NM	359,381	87,609	0
Nashua NFH, NH	52,459	30,312	8,662,900
Natchitoches NFH, LA	1,611,927	11,961	96,600
Neosho NFH, MO	299,276	91,091	0
North Attleboro NFH, MA	3,104,185	19,890	0

TABLE I. (CONTINUED)

Fish and Fish Egg Distribution by National Fish Hatchery

Hatchery	Number Distributed	Weight (Pounds)	Number Eggs Produced
Norfork NFH, AR	1,876,314	430,424	0
Orangeburg NFH, SC	1,246,218	1,310	0
Pendills Creek NFH, MI	452,930	25,372	2,730,463
Pittsford NFH, VT	389,655	12,258	0
Private John Allen NFH, MS	618,275	3,227	0
Quilcene NFH, WA	2,591,348	39,911	582,255
Quinault NFH, WA	2,259,551	95,922	0
Richard Cronin NSS, MA	124	840	1,727,723
Saratoga NFH, WY	145,902	21,988	5,454,573
Spring Creek NFH, WA	18,966,288	227,189	70,000
Tishomingo NFH, OK	2,624,155	48,861	202,500
Uvalde NFH, TX	2,626,156	60,507	0
Valley City/Baldhill Dam NFH, ND	7,702,066	4,996	0
Walhalla NFH, SC	1,111,473	124,351	0
Welaka NFH, FL	2,151,723	5,305	0
White River NFH, VT	3,366,478	50,442	472,860
Willow Beach NFH, AZ	804,445	182,702	0
Willard NFH, WA	3,843,024	135,734	0
Winthrop NFH, WA	556,313	29,742	0
Wolf Creek NFH, KY	1,005,345	236,677	0
Warm Springs NFH, OR	554,324	35,653	0
White Sulphur Springs NFH, WV	74,683	34,376	1,468,666
GRAND TOTAL	177,070,326	6,120,345	151,137,601

TABLE II.

Fish and Fish Egg Distribution by Species

Coldwater Species	Number Distributed	Weight (Pounds)	Number Eggs Produced
*Apache trout	136,940	34,039	604,298
Arctic grayling	15,262	787	0
Atlantic salmon	8,576,180	201,246	16,101,613
Brook trout	294,276	22,703	0
Brown trout	1,613,639	127,816	3,269,203
Chum salmon	2,530,840	5,383	0
Coho salmon	5,760,319	338,302	529,250
Cutthroat trout	1,810,061	179,428	205,000
Fall chinook salmon	46,188,860	465,221	2,675,965
Kokanee	802,174	73,993	0
Lake trout	6,979,958	422,168	15,086,807
Landlocked Atlantic salmon	130,304	11,042	0
Late fall chinook salmon	760,543	52,723	0
Rainbow trout	13,601,086	2,478,559	35,050,467
Spring chinook salmon	10,272,670	492,151	899,595
Steelhead	6,287,340	921,568	2,425,000
*Winter chinook salmon	19,721	296	0
Total Coldwater Species:	**105,780,173**	**5,827,425**	**76,847,198**

* indicates Federally listed threatened/endangered species

TABLE II. (CONTINUED)

Fish and Fish Egg Distribution by Species

Coolwater Species	Number Distributed	Weight (Pounds)	Number Eggs Produced
*Bonytail chub	145,365	639	432,718
*Chihuahua chub	6	1	0
*Colorado squawfish	37,005	243	110,000
Northern pike	3,725,838	1,723	4,930,000
*Razorback sucker	212,195	1,971	68,535
Sauger	100	200	1,050,000
Saugeye	233,043	284	13,001,500
Snortnose gar	57	171	0
Tiger muskellunge	47,000	48	0
Walleye	37,516,111	6,015	50,572,550
Yellow perch	2,454,081	1,499	3,000,000
Total Coolwater Species	**44,370,801**	**12,794**	**73,165,303**

* indicates Federally listed threatened/endangered species

TABLE II. (CONTINUED)

Fish and Fish Egg Distribution by Species

Warmwater Species	Number Distributed	Weight (Pounds)	Number Eggs Produced
American shad	203,602	334	0
Atlantic sturgeon	8,750	32	0
*Beautiful shiner	24	2	0
Black bullhead	50	50	0
Black crappie	388,488	754	0
Blue catfish	229,050	7,925	0
Bluegill	5,399,521	6,509	0
Bowfin	83	664	0
Carp	179	772	0
Channel catfish	5,059,465	169,737	196,700
Freshwater drum	132	248	0
*Gila topminnow	25	1	0
Goldfish	240,300	1,498	0
Grass carp	640	3,007	0
Green sunfish	6,572	120	0
Lake Sturgeon	8,782	104	0
Largemouth bass	3,034,058	13,356	0
*Leon Springs pupfish	2,375	8	0
Paddlefish	252,917	10,578	428,400
*Pallid sturgeon	93	22	0
Pallid X Shovelnose	3	3	0
Palmetto bass	8,590	359	0
Red drum	45	90	0
Redbreast sunfish	465,800	574	0
Redear sunfish	2,147,354	1,910	0

* indicates Federally listed threatened/endangered species

TABLE II. (CONTINUED)

Fish and Fish Egg Distribution by Species

Warmwater Species continued	Number Distributed	Weight (Pounds)	Number Eggs Produced
*Shortnose sturgeon	196	1,808	0
Shovelnose sturgeon	50,000	5	0
Smallmouth bass	763,592	1,394	500,000
Striped bass	8,600,890	58,036	0
White crappie	42,648	87	0
White sucker	1,780	30	0
*Woundfin	3,308	12	0
*Yaqui catfish	40	97	0
Total Warmwater Species	**26,919,352**	**280,126**	**1,125,100**
GRAND TOTAL	**177,070,326**	**6,120,345**	**151,137,601**

* indicates Federally listed threatened/endangered species

TABLE III.

Fish and Fish Egg Distribution Within States

State	Number Distributed	Weight (Pounds)	Number Eggs Distributed
Alabama	956,914	8,070	0
Alaska	0	0	406,454
Arizona	2,272,671	365,554	2,327,281
Arkansas	6,091,022	553,266	4,553,013
California	18,839,130	348,142	0
Colorado	2,879,934	213,324	2,808,366
Connecticut	422,264	11,640	14,941
Florida	1,491,968	4,688	0
Foreign	3,450	3	0
Georgia	2,933,857	160,250	1,972,559
Idaho	7,741,431	749,702	4,169,365
Illinois	105,170	9,199	18,509,800
Iowa	200,580	687	1,718,358
Kansas	193,742	4,164	4,592,500
Kentucky	840,108	228,264	1,620,852
Louisiana	3,721,072	18,828	19,200
Maine	1,826,707	100,359	2,253,616
Maryland	377,783	31,799	0
Massachusetts	954,437	52,538	5,027,356
Michigan	4,869,474	254,891	8,342,958
Minnesota	293,231	10,732	677,251
Mississippi	2,757,836	2,662	62,400
Missouri	1,934,565	87,285	646,380
Montana	7,349,830	127,629	3,941,309
Nebraska	452,719	2,223	703,642

TABLE III. (CONTINUED)

Fish and Fish Egg Distribution Within States

State	Number Distributed	Weight (Pounds)	Number Eggs Distributed
Nevada	1,849,272	32,387	926,745
New Hampshire	1,910,088	22,859	5,455,616
New Jersey	14,202	6,255	0
New Mexico	1,120,626	163,081	635,956
New York	911,646	63,674	598,666
North Carolina	1,310,050	18,186	1,489,886
North Dakota	10,015,836	111,898	22,843,090
Ohio	0	0	136,680
Oklahoma	2,527,625	89,159	7,049,600
Oregon	2,850,281	194,435	3,085,965
Pennsylvania	1,913,952	32,135	8,987,891
Rhode Island	605,245	7,103	0
South Carolina	3,126,707	121,548	2,851,385
South Dakota	6,087,433	14,065	454,379
Tennessee	1,517,175	245,855	5,815,436
Texas	5,070,371	98,023	833,500
Utah	1,634,687	102,727	1,388,983
Vermont	2,975,242	17,231	6,105,437
Virginia	310,738	6,433	430,961
Washington	44,452,028	1,005,445	743,945
West Virginia	585,821	214,283	24,768
Wisconsin	15,436,464	72,039	10,869,296
Wyoming	1,334,942	135,625	6,041,815
GRAND TOTAL	**177,070,326**	**6,120,345**	**151,137,601**

TABLE IV.

Fish and Fish Egg Distribution by Region

REGION 1

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
CALIFORNIA						
Coleman NFH	Fall chinook salmon	B	24,497	242		Research and Development
	Fall chinook salmon	B	16,678,295	127,103		Restoration/Mitigation
	Distributed:		16,702,792	127,345		
	Late fall chinook salmon	B	84,174	4,228		Endangered/Threatened Species
	Late fall chinook salmon	B	238	14		Research and Development
	Late fall chinook salmon	C	676,131	48,481		Restoration/Mitigation
	Distributed:		760,543	52,723		
	Steelhead	B	572,292	2,981		Restoration/Mitigation
	Steelhead	C	756,108	162,422		Restoration/Mitigation
	Distributed:		1,328,400	165,403		
	Winter chinook salmon	B	19,721	296		Endangered/Threatened Species
	Distributed:		19,721	296		
	Total Distributed by Facility:		**18,811,456**	**345,767**		
IDAHO						
Dworshak NFH	Rainbow trout	B	162,726	7,817		Restoration/Mitigation
	Distributed:		162,726	7,817		
	Spring chinook salmon				114,900	Endangered/Threatened Species
	Spring chinook salmon				160,000	Restoration/Mitigation
	Spring chinook salmon	C	24,414	1,431		Research and Development
	Spring chinook salmon	C	1,278,273	73,943		Restoration/Mitigation
	Distributed:		1,302,687	75,374	274,900	
	Steelhead				2,425,000	Restoration/Mitigation
	Steelhead	C	34,000	4,540		Research and Development
	Steelhead	C	1,824,277	285,176		Restoration/Mitigation
	Distributed:		1,858,277	289,716	2,425,000	
	Total Distributed by Facility		**3,323,690**	**372,907**	**2,699,900**	

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 1 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Hagerman NFH	Rainbow trout	B	264,243	7,880		Restoration/Mitigation
	Distributed:		264,243	7,880		
	Steelhead	A	3,000	2		Research and Development
	Steelhead	B	338,030	14,324		Restoration/Mitigation
	Steelhead	C	1,519,168	329,405		Restoration/Mitigation
	Distributed:		**1,860,198**	**343,731**		
	Total Distributed by Facility:		**2,124,441**	**351,611**		
Kooskia NFH	Spring chinook salmon	B	305,813	15,132		Restoration/Mitigation
	Distributed:		**305,813**	**15,132**		
	Total Distributed by Facility:		**305,813**	**15,132**		
NEVADA						
Lahontan NFH	Cutthroat trout				5,000	Research and Development
	Cutthroat trout	B	1,650	3		Research and Development
	Cutthroat trout	C	15	2		Other programs
	Cutthroat trout	C	323,069	27,155		Restoration/Mitigation
	Distributed:		**324,734**	**27,160**	**5,000**	
	Rainbow trout	C	2,611	5,222		Other programs
	Distributed:		**2,611**	**5,222**		
	Total Distributed by Facility:		**327,345**	**32,382**	**5,000**	
OREGON						
Eagle Creek NFH	Coho salmon	B	673,987	32,769		Restoration/Mitigation
	Coho salmon	C	1,356,870	93,470		Restoration/Mitigation
	Distributed:		**2,030,857**	**126,239**		
	Steelhead	B	70,919	368		Restoration/Mitigation
	Steelhead	C	772	181		Mgmt. Asst. on Fed/Indian
	Steelhead	C	195,633	32,256		Restoration/Mitigation
	Distributed:		**267,324**	**32,805**		
	Total Distributed by Facility:		**2,298,181**	**159,044**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 1 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Warm Springs NFH	Rainbow trout	C	1,533	1,268		Restoration/Mitigation
	Distributed:		1,533	1,268		
	Spring chinook salmon	B	1,210	56		Research and Development
	Spring chinook salmon	B	23,099	1,119		Restoration/Mitigation
	Spring chinook salmon	C	917	55		Research and Development
	Spring chinook salmon	C	527,565	33,155		Restoration/Mitigation
	Distributed:		552,791	34,385		
	Total Distributed by Facility:		554,324	35,653		
WASHINGTON						
Abernathy STC	Fall chinook salmon	B	491,668	19,379		Restoration/Mitigation
	Distributed:		491,668	19,379		
	Total Distributed by Facility:		491,668	19,379		
Carson NFH	Spring chinook salmon				90,690	Research and Development
	Spring chinook salmon				480,000	Restoration/Mitigation
	Spring chinook salmon	B	43,491	151		Research and Development
	Spring chinook salmon	B	320,000	3,251		Restoration/Mitigation
	Spring chinook salmon	C	900	54		Research and Development
	Spring chinook salmon	C	2,040,568	108,029		Restoration/Mitigation
	Spring chinook salmon (t)	A	588,000	463		Restoration/Mitigation
	Distributed:		2,404,959	111,485	570,690	
	Transferred:		588,000	463		
	Total Distributed by Facility:		2,404,959	111,485	570,690	
	Total Transferred by Facility:		588,000	463		
Entiat NFH	Spring chinook salmon	B	4,000	156		Research and Development
	Spring chinook salmon	B	399,429	10,330		Restoration/Mitigation
	Spring chinook salmon	C	60	4		Research and Development
	Spring chinook salmon	C	378,729	27,825		Restoration/Mitigation
	Distributed:		782,218	38,315		
	Total Distributed by Facility:		782,218	38,315		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 1 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Leavenworth NFH	Spring chinook salmon		1,000			Research and Development
	Spring chinook salmon	B	1,000	54		Research and Development
	Spring chinook salmon	B	1,522,846	82,511		Restoration/Mitigation
	Distributed:		1,523,846	82,565	1,000	
	Steelhead	C	104,145	15,485		Restoration/Mitigation
	Distributed:		104,145	15,485		
	Total Distributed by Facility:		**1,627,991**	**98,050**	**1,000**	
Little White Salmon/ Willard NFH	Fall chinook salmon				2,605,965	Restoration/Mitigation
	Fall chinook salmon	B	6,266	14		Research and Development
	Fall chinook salmon	B	4,555,461	38,583		Restoration/Mitigation
	Distributed:		4,561,727	38,597	2,605,965	
	Spring chinook salmon	B	4,750	151		Research and Development
	Spring chinook salmon	B	571,101	15,005		Restoration/Mitigation
	Spring chinook salmon	C	350	27		Research and Development
	Spring chinook salmon	C	994,588	62,513		Restoration/Mitigation
	Distributed:		1,570,789	77,696		
	Total Distributed by Facility:		**6,132,516**	**116,293**	**2,605,965**	
Makah NFH	Chum salmon	B	10,690	33		Restoration/Mitigation
	Distributed:		10,690	33		
	Coho salmon	A	76,000	69		Restoration/Mitigation
	Coho salmon	B	119,500	3,586		Restoration/Mitigation
	Coho salmon	C	300,380	21,934		Restoration/Mitigation
	Distributed:		495,880	25,589		
	Fall chinook salmon	B	3,391,596	46,618		Restoration/Mitigation
	Distributed:		3,391,596	46,618		
	Steelhead	B	138,907	288		Restoration/Mitigation
	Steelhead	C	110,441	14,201		Restoration/Mitigation
	Distributed:		249,348	14,489		
	Total Distributed by Facility:		**4,147,514**	**86,729**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 1 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Quilcene NFH	Chum salmon	B	1,883,927	4,340		Restoration/Mitigation
	Distributed:		1,883,927	4,340		
	Coho salmon				529,250	Restoration/Mitigation
	Coho salmon	B	558,317	27,070		Restoration/Mitigation
	Distributed:		558,317	27,070	529,250	
	Spring chinook salmon				53,005	Restoration/Mitigation
	Spring chinook salmon	B	32,124	1,190		Restoration/Mitigation
	Spring chinook salmon	C	116,980		7,311	Restoration/Mitigation
	Distributed:		149,104	8,501	53,005	
	Total Distributed by Facility		**2,591,348**	**39,911**	**582,255**	
Quinault NFH	Chum salmon	B	636,223	1,010		Restoration/Mitigation
	Distributed:		636,223	1,010		
	Coho salmon	B	582,133	29,705		Restoration/Mitigation
	Distributed:		582,133	29,705		
	Fall chinook salmon	B	421,547	5,268		Restoration/Mitigation
	Distributed:		421,547	5,268		
	Steelhead	B	198,800	1,506		Restoration/Mitigation
	Steelhead	C	420,848	58,433		Restoration/Mitigation
	Distributed:		619,648	59,939		
	Total Distributed by Facility:		**2,259,551**	**95,922**		
Spring Creek NFH	Fall chinook salmon				70,000	Restoration/Mitigation
	Fall chinook salmon	B	3,400	79		Research and Development
	Fall chinook salmon	B	15,607,856	202,806		Restoration/Mitigation
	Fall chinook salmon(t)	A	2,818,882	5,811		Restoration/Mitigation
	Distributed:		15,611,256	202,885	70,000	
	Transferred:		2,818,882	5,811		
	Spring chinook salmon	B	377,500	9,679		Restoration/Mitigation
	Spring chinook salmon	C	158,650	8,814		Restoration/Mitigation
	Distributed:		536,150	18,493		
	Total Distributed by Facility:		**16,147,406**	**221,378**	**70,000**	
	Total Transferred by Facility:		**2,818,882**	**5,811**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 1 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Willard NFH	Coho salmon	B	100,800	2,880		Restoration/Mitigation
	Coho salmon	C	1,992,332	126,819		Restoration/Mitigation
	Distributed:		2,093,132	129,699		
	Fall chinook salmon	B	1,703,892	5,804		Restoration/Mitigation
	Fall chinook salmon (t)	B	46,000	231		Restoration/Mitigation
	Distributed:		1,703,892	5,804		
	Transferred:		46,000	231		
	Total Distributed by Facility:		3,797,024	135,503		
	Total Transferred by Facility:		46,000	231		
Winthrop NFH	Spring chinook salmon	B	556,313	29,742		Restoration/Mitigation
	Distributed:		556,313	29,742		
	Total Distributed by Facility:		556,313	29,742		
REGION 1 TOTALS						
	Region 1 Total Distributed		68,683,758	2,305,203	6,534,810	
	Region 1 Total Transferred		3,452,882	6,505	0	
	Region 1 Grand Total		72,136,640	2,311,708	6,534,810	

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 2

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
ARIZONA						
Alchesay/	Apache trout				604,298	Endangered/Threatened Species
Williams Creek NFH	Apache trout	B	9,110	85		Endangered/Threatened Species
	Apache trout	B	10,500	287		Mgmt. Asst. on Fed/Indian
	Apache trout	C	117,330	33,667		Endangered/Threatened Species
	Distributed:		**136,940**	**34,039**	**604,298**	
	Brook trout	B	55,000	264		Mgmt. Asst. on Fed/Indian
	Brook trout	B	19,497	97		Other programs
	Brook trout	C	9,000	1,054		Mgmt. Asst. on Fed/Indian
	Distributed:		**83,497**	**1,415**		
	Brown trout	B	41,250	1,357		Mgmt. Asst. on Fed/Indian
	Brown trout	C	36,193	4,036		Mgmt. Asst. on Fed/Indian
	Distributed:		**77,443**	**5,393**		
	Cutthroat trout	C	83,962	14,401		Mgmt. Asst. on Fed/Indian
	Distributed:		**83,962**	**14,401**		
	Rainbow trout	B	191,676	11,654		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	473,140	109,409		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	475	96		Research and Development
	Distributed:		**665,291**	**121,159**		
	Total Distributed by Facility:		**1,047,133**	**176,407**	**604,298**	
Willow Beach NFH	Brook trout	C	52	100		Restoration/Mitigation
	Distributed:		**52**	**100**		
	Rainbow trout	B	66,960	4,185		Restoration/Mitigation
	Rainbow trout	C	37,650	11,572		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	699,783	166,845		Restoration/Mitigation
	Distributed:		**804,393**	**182,602**		
	Total Distributed by Facility:		**804,445**	**182,702**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 2 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
NEW MEXICO						
Dexter NFH	Beautiful shiner	B	24	2		Endangered/Threatened Species
	Distributed:		**24**	**2**		
	Bonytail chub				432,718	Endangered/Threatened Species
	Bonytail chub	A	60,250	5		Endangered/Threatened Species
	Bonytail chub	B	39,565	628		Endangered/Threatened Species
	Bonytail chub (t)	A	44,250	1		Endangered/Threatened Species
	Distributed:		**99,815**	**633**	**432,718**	
	Transferred:		**44,250**	**1**		
	Chihuahua chub	C	6	1		Endangered/Threatened Species
	Distributed:		**6**	**1**		
	Colorado squawfish				110,000	Endangered/Threatened Species
	Colorado squawfish	B	36,875	201		Endangered/Threatened Species
	Colorado squawfish	C	130	42		Endangered/Threatened Species
	Distributed:		**37,005**	**243**	**110,000**	
	Gila topminnow	B	25	1		Endangered/Threatened Species
	Distributed:		**25**	**1**		
	Leon Springs pupfish	A	800	1		Endangered/Threatened Species
	Leon Springs pupfish	B	1,575	7		Endangered/Threatened Species
	Distributed:		**2,375**	**8**		
	Razorback sucker				68,535	Endangered/Threatened Species
	Razorback sucker	A	190,900	5		Endangered/Threatened Species
	Razorback sucker	B	20,006	342		Endangered/Threatened Species
	Razorback sucker	C	1,289	1,624		Endangered/Threatened Species
	Distributed:		**212,195**	**1,971**	**68,535**	
	Woundfin	B	3,308	12		Endangered/Threatened Species
	Distributed:		**3,308**	**12**		
	Yaqui catfish (t)	C	40	97		Endangered/Threatened Species
	Transferred:		**40**	**97**		
	Total Distributed by Facility:		**354,753**	**2,871**	**611,253**	
	Total Transferred by Facility:		**44,290**	**98**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 2 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Mescalero NFH	Cutthroat trout	C	536	1,191		Endangered/Threatened Species
	Distributed:		**536**	**1,191**		
	Rainbow trout	B	12,000	404		Endangered/Threatened Species
	Rainbow trout	C	750	216		Endangered/Threatened Species
	Rainbow trout	C	333,395	81,865		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	5,000	1,318		Other programs
	Rainbow trout (t)	C	7,700	2,615		Mgmt. Asst. on Fed/Indian
	Distributed:		**351,145**	**83,803**		
	Transferred:		**7,700**	**2,615**		
	Total Distributed by Facility:		**351,681**	**84,994**		
	Total Transferred by Facility:		**7,700**	**2,615**		
OKLAHOMA						
Tishomingo NFH	Bluegill	C	75	38		Mgmt. Asst. on Fed/Indian
	Distributed:		**75**	**38**		
	Channel catfish				162,500	Mgmt. Asst. on Fed/Indian
	Channel catfish	A	331,400	28		Other programs
	Channel catfish	A	504,500	58		Restoration/Mitigation
	Channel catfish	B	162,030	3,894		Other programs
	Channel catfish	B	400	8		Research and Development
	Channel catfish	C	117,355	10,988		Mgmt. Asst. on Fed/Indian
	Channel catfish	C	196,240	18,233		Other programs
	Channel catfish	C	25,265	3,546		Research and Development
	Channel catfish	C	82,900	7,599		Restoration/Mitigation
	Distributed:		**1,420,090**	**44,354**	**162,500**	
	Largemouth bass	C	12,800	2,375		Research and Development
	Distributed:		**12,800**	**2,375**		
	Paddlefish				40,000	Future Broodstock
	Paddlefish	C	5,840	901		Restoration/Mitigation
	Distributed:		**5,840**	**901**	**40,000**	
	Smallmouth bass	A	18,000	14		Mgmt. Asst. on Fed/Indian
	Smallmouth bass	A	223,700	279		Restoration/Mitigation
	Distributed:		**241,700**	**293**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 2 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Tishomingo NFH	Striped bass	A	943,650	900		Restoration/Mitigation
continued:	*Distributed:*		943,650	900		
	Total Distributed by Facility:		2,624,155	48,861	202,500	
TEXAS						
Inks Dam NFH	Channel catfish	B	70,092	2,535		Mgmt. Asst. on Fed/Indian
	Channel catfish	B	52,000	1,793		Other programs
	Channel catfish	B	30,000	1,034		Restoration/Mitigation
	Channel catfish	C	124,890	25,362		Mgmt. Asst. on Fed/Indian
	Channel catfish	C	25,065	4,591		Other programs
	Channel catfish	C	3,080	2,800		Restoration/Mitigation
	Distributed:		305,127	38,115		
	Largemouth bass	A	30,000	27		Mgmt. Asst. on Fed/Indian
	Largemouth bass	A	20,000	18		Other programs
	Largemouth bass	A	137,000	80		Restoration/Mitigation
	Largemouth bass	C	10,504	1,010		Mgmt. Asst. on Fed/Indian
	Largemouth bass	C	250	25		Restoration/Mitigation
	Distributed:		197,754	1,160		
	Rainbow trout	C	7,246	4,061		Mgmt. Asst. on Fed/Indian
	Distributed:		7,246	4,061		
	Striped bass	A	44,800	32		Mgmt. Asst. on Fed/Indian
	Striped bass	A	464,160	266		Restoration/Mitigation
	Distributed:		508,960	298		
	Total Distributed by Facility:		1,019,087	43,634		
Uvalde NFH	Channel catfish	A	405,713	41		Other programs
	Channel catfish	B	249,484	9,939		Mgmt. Asst. on Fed/Indian
	Channel catfish	B	92,523	3,687		Other programs
	Channel catfish	B	20,000	1,000		Restoration/Mitigation
	Channel catfish	C	74,551	21,192		Mgmt. Asst. on Fed/Indian
	Channel catfish	C	38,631	9,806		Other programs
	Channel catfish	C	10,040	632		Research and Development
	Channel catfish	C	54,547	5,673		Restoration/Mitigation
	Channel catfish (t)	A	224,561	37		Mgmt. Asst. on Fed/Indian
	Distributed:		945,489	51,970		
	Transferred:		224,561	37		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 2 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Uvalde NFH	Largemouth bass	A	12,000	4		Mgmt. Asst. on Fed/Indian
continued:	Largemouth bass	A	39,200	38		Other programs
	Largemouth bass	A	565,310	437		Restoration/Mitigation
	Largemouth bass	B	53,884	2,451		Mgmt. Asst. on Fed/Indian
	Largemouth bass	B	25,600	189		Other programs
	Largemouth bass	B	227,837	399		Restoration/Mitigation
	Largemouth bass	C	22,362	2,976		Mgmt. Asst. on Fed/Indian
	Largemouth bass	C	1,432	212		Other programs
	Largemouth bass	C	315	175		Restoration/Mitigation
	Distributed:		947,940	6,881		
	Paddlefish	C	420	24		Research and Development
	Paddlefish	C	15,886	841		Restoration/Mitigation
	Distributed:		16,306	865		
	Striped bass	A	486,960	541		Restoration/Mitigation
	Striped bass	B	3,900	82		Research and Development
	Striped bass	C	1,000	131		Restoration/Mitigation
	Distributed:		491,860	754		
	Total Distributed by Facility:		2,401,595	60,470		
	Total Transferred by Facility:		224,561	37		
REGION 2 TOTALS						
	Region 2 Total Distributed		8,602,849	599,939	1,418,051	
	Region 2 Total Transferred		276,551	2,750	0	
	Region 2 Grand Total		8,879,400	602,689	1,418,051	

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 3

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
MICHIGAN						
Hiawatha Forest NFH	Lake trout	B	101,900	4,054		Restoration/Mitigation
	Lake trout	C	591,800	31,271		Restoration/Mitigation
	Distributed:		693,700	35,325		
	Total Distributed by Facility:		693,700	35,325		
Jordan River NFH	Lake trout	B	14,800	673		Restoration/Mitigation
	Lake trout	C	2,729,500	168,137		Restoration/Mitigation
	Lake trout (t)	B	880,800	2,689		Restoration/Mitigation
	Distributed:		2,744,300	168,810		
	Transferred:		880,800	2,689		
	Total Distributed by Facility:		2,744,300	168,810		
	Total Transferred by Facility:		880,800	2,689		
Pendills Creek NFH	Lake trout				2,730,463	Restoration/Mitigation
	Lake trout	B	95,600	3,958		Restoration/Mitigation
	Lake trout	C	230	1,858		Research and Development
	Lake trout	C	357,100	19,556		Restoration/Mitigation
	Distributed:		452,930	25,372	2,730,463	
	Total Distributed by Facility:		452,930	25,372	2,730,463	
MISSOURI						
Neosho NFH	Rainbow trout	C	10,680	3,596		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	850	887		Other programs
	Rainbow trout	C	227,736	86,307		Restoration/Mitigation
	Rainbow trout (t)	B	14,510	122		Mgmt. Asst. on Fed/Indian
	Rainbow trout (t)	B	11,060	152		Restoration/Mitigation
	Distributed:		239,266	90,790		
	Transferred:		25,570	274		
	Striped bass	B	1,290	2		Mgmt. Asst. on Fed/Indian
	Distributed:		1,290	2		
	Walleye	A	33,150	25		Mgmt. Asst. on Fed/Indian
	Distributed:		33,150	25		
	Total Distributed by Facility:		273,706	90,817		
	Total Transferred by Facility:		25,570	274		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 3 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
WISCONSIN						
Genoa NFH	Black bullhead	C	50	50		Research and Development
	Distributed:		**50**	**50**		
	Bluegill	B	14,700	245		Mgmt. Asst. on Fed/Indian
	Bluegill	C	148	46		Mgmt. Asst. on Fed/Indian
	Distributed:		**14,848**	**291**		
	Brown trout				200,655	Cooperator Management Program
	Brown trout				30,000	Mgmt. Asst. on Fed/Indian
	Brown trout				11,830	Research and Development
	Brown trout				689,755	Restoration/Mitigation
	Brown trout				470,594	Trade off
	Brown trout	C	959	2,763		Mgmt. Asst. on Fed/Indian
	Distributed:		**959**	**2,763**	**1,402,834**	
	Bowfin	C	83	664		Mgmt. Asst. on Fed/Indian
	Distributed:		**83**	**664**		
	Carp	C	153	765		Research and Development
	Distributed:		**153**	**765**		
	Freshwater drum	C	132	248		Research and Development
	Distributed:		**132**	**248**		
	Largemouth bass	B	1,940	7		Research and Development
	Largemouth bass	C	576	114		Mgmt. Asst. on Fed/Indian
	Distributed:		**2,516**	**121**		
	Lake Sturgeon	B	200	1		Research and Development
	Lake Sturgeon	C	3,560	102		Restoration/Mitigation
	Lake Sturgeon (t)	A	5,022	1		Restoration/Mitigation
	Distributed:		**3,760**	**103**		
	Transferred:		**5,022**	**1**		
	Northern pike				3,280,000	Cooperator Management Program
	Northern pike				120,000	Restoration/Mitigation
	Northern pike	A	1,700,000	11		Mgmt. Asst. on Fed/Indian
	Distributed:		**1,700,000**	**11**	**3,400,000**	

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Fish and Fish Egg Distribution by Region

REGION 3 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
WISCONSIN						
Genoa NFH	Rainbow trout	B	6,284	268		Mgmt. Asst. on Fed/Indian
continued:	Rainbow trout	C	23,702	6,731		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	50	8		Research and Development
	Distributed:		**30,036**	**7,007**		
	Sauger				1,050,000	Cooperator Management Program
	Distributed:				**1,050,000**	
	Smallmouth bass	A	2,250	1		Research and Development
	Smallmouth bass	C	22	44		Mgmt. Asst. on Fed/Indian
	Distributed:		**2,272**	**45**		
	Snortnose gar	C	57	171		Mgmt. Asst. on Fed/Indian
	Distributed:		**57**	**171**		
	Walleye				4,407,600	Cooperator Management Program
	Walleye				807,500	Research and Development
	Walleye				12,052,950	Restoration/Mitigation
	Walleye				1,487,500	Trade off
	Walleye	A	12,941,700	91		Mgmt. Asst. on Fed/Indian
	Walleye	A	3,600	2		Research and Development
	Walleye	A	290,500	3		Restoration/Mitigation
	Walleye	B	1,652	36		Mgmt. Asst. on Fed/Indian
	Walleye	C	8,743	902		Mgmt. Asst. on Fed/Indian
	Distributed:		**13,246,195**	**1,034**	**18,755,550**	
	White sucker	B	1,780	30		Research and Development
	Distributed:		**1,780**	**30**		
	Saugeye				340,000	Cooperator Management Program
	Saugeye				42,500	Research and Development
	Distributed:				**382,500**	
	Yellow perch	C	24	24		Research and Development
	Distributed:		**24**	**24**		
	Total Distributed by Facility:		**15,002,865**	**13,327**	**24,990,884**	
	Total Transferred by Facility:		**5,022**	**1**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 3 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Iron River NFH	Black crappie	C	400	300		Mgmt. Asst. on Fed/Indian
	Distributed:		400	300		
	Lake trout				378,000	Research and Development
	Lake trout				5,383,600	Restoration/Mitigation
	Lake trout	B	50,498	357		Restoration/Mitigation
	Lake trout	C	166	1,416		Mgmt. Asst. on Fed/Indian
	Lake trout	C	900,582	78,581		Restoration/Mitigation
	Lake trout (t)	C	3,113	15,089		Future Broodstock
	Distributed:		951,246	80,354	5,761,600	
	Transferred:		3,113	15,089		
	Walleye	C	4,697	954		Mgmt. Asst. on Fed/Indian
	Distributed:		4,697	954		
	Total Distributed by Facility:		956,343	81,608	5,761,600	
	Total Transferred by Facility:		3,113	15,089		
REGION 3 TOTALS						
	Region 3 Total Distributed		20,123,844	415,259	33,482,947	
	Region 3 Total Transferred		914,505	18,053	0	
	Region 3 Grand Total		21,038,349	433,312	33,482,947	

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 4

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
ALABAMA						
Carbon Hill NFH	Bluegill	A	10,000	20		Mgmt. Asst. on Fed/Indian
	Distributed:		**10,000**	**20**		
	Channel catfish	B	131,000	4,175		Restoration/Mitigation
	Channel catfish	C	25,190	4,090		Mgmt. Asst. on Fed/Indian
	Distributed:		**156,190**	**8,265**		
	Goldfish	C	300	300		Other programs
	Goldfish (t)	A	196,000	98		Mgmt. Asst. on Fed/Indian
	Distributed:		**300**	**300**		
	Transferred:		**196,000**	**98**		
	Largemouth bass	B	1,400	4		Mgmt. Asst. on Fed/Indian
	Largemouth bass	B	53,350	89		Restoration/Mitigation
	Distributed:		**54,750**	**93**		
	Paddlefish	C	3,518	1,332		Restoration/Mitigation
	Distributed:		**3,518**	**1,332**		
	Striped bass	B	56,000	84		Endangered/Threatened Species
	Striped bass	B	109,930	570		Restoration/Mitigation
	Striped bass (t)	B	10,000	10		Endangered/Threatened Species
	Distributed:		**165,930**	**654**		
	Transferred:		**10,000**	**10**		
	Walleye	B	180,260	226		Restoration/Mitigation
	Distributed:		**180,260**	**226**		
	Total Distributed by Facility:		**570,948**	**10,890**		
	Total Transferred by Facility:		**206,000**	**108**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
ARKANSAS						
Greers Ferry NFH	Brook trout	B	15,950	680		Restoration/Mitigation
	Distributed:		**15,950**	**680**		
	Rainbow trout	B	342,000	18,762		Restoration/Mitigation
	Rainbow trout	C	632,406	202,357		Restoration/Mitigation
	Rainbow trout (t)	B	53,000	2,077		Restoration/Mitigation
	Distributed:		**974,406**	**221,119**		
	Transferred:		**53,000**	**2,077**		
	Total Distributed by Facility:		**990,356**	**221,799**		
	Total Transferred by Facility:		**53,000**	**2,077**		
Mammoth Spring NFH	Bluegill	A	44,000	40		Research and Development
	Bluegill	A	569,000	286		Restoration/Mitigation
	Bluegill	B	633,000	453		Restoration/Mitigation
	Distributed:		**1,246,000**	**779**		
	Channel catfish	B	216,340	4,480		Restoration/Mitigation
	Channel catfish	C	15,909	2,258		Restoration/Mitigation
	Channel catfish (t)	A	100,000	1		Restoration/Mitigation
	Distributed:		**232,249**	**6,738**		
	Transferred:		**100,000**	**1**		
	Grass carp	C	242	1,962		Restoration/Mitigation
	Distributed:		**242**	**1,962**		
	Largemouth bass	B	51,000	30		Restoration/Mitigation
	Distributed:		**51,000**	**30**		
	Paddlefish	C	4,576	313		Restoration/Mitigation
	Paddlefish (t)	B	3,491	36		Restoration/Mitigation
	Distributed:		**4,576**	**313**		
	Transferred:		**3,491**	**36**		
	Rainbow trout	C	12	67		Restoration/Mitigation
	Distributed:		**12**	**67**		
	Redear sunfish	A	587,400	113		Restoration/Mitigation
	Redear sunfish	B	144,000	120		Restoration/Mitigation
	Distributed:		**731,400**	**233**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Mammoth Spring NFH continued:	Smallmouth bass	B	47,040	53		Restoration/Mitigation
	Smallmouth bass	C	616	90		Restoration/Mitigation
	Distributed:		**47,656**	**143**		
	Striped bass (t)	A	1,900,000	7		Restoration/Mitigation
	Transferred:		**1,900,000**	**7**		
	Walleye	B	220,000	217		Restoration/Mitigation
	Distributed:		**220,000**	**217**		
	Total Distributed by Facility:		**2,533,135**	**10,482**		
	Total Transferred by Facility:		**2,003,491**	**44**		
Norfork NFH	Brown trout	C	282,815	23,649		Restoration/Mitigation
	Distributed:		**282,815**	**23,649**		
	Cutthroat trout	B	75,000	1,384		Restoration/Mitigation
	Distributed:		**75,000**	**1,384**		
	Rainbow trout	B	150	2		Research and Development
	Rainbow trout	B	361,354	19,465		Restoration/Mitigation
	Rainbow trout	C	6,800	2,530		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	1,150,195	383,394		Restoration/Mitigation
	Distributed:		**1,518,499**	**405,391**		
	Total Distributed by Facility:		**1,876,314**	**430,424**		
FLORIDA						
Welaka NFH	Bluegill	B	603,500	678		Mgmt. Asst. on Fed/Indian
	Distributed:		**603,500**	**678**		
	Channel catfish	B	8,200	164		Mgmt. Asst. on Fed/Indian
	Distributed:		**8,200**	**164**		
	Grass carp	C	398	1,045		Mgmt. Asst. on Fed/Indian
	Distributed:		**398**	**1,045**		
	Largemouth bass	A	60,200	38		Mgmt. Asst. on Fed/Indian
	Largemouth bass	B	124,000	238		Mgmt. Asst. on Fed/Indian
	Largemouth bass	C	1,748	244		Mgmt. Asst. on Fed/Indian
	Largemouth bass (t)	A	60,000	50		Mgmt. Asst. on Fed/Indian
	Distributed:		**185,948**	**520**		
	Transferred:		**60,000**	**50**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Welaka NFH	Red drum	C	45	90		Mgmt. Asst. on Fed/Indian
continued:	*Distributed:*		45	90		
	Redear sunfish	B	346,500	450		Mgmt. Asst. on Fed/Indian
	Distributed:		346,500	450		
	Striped bass	A	242,800	167		Restoration/Mitigation
	Striped bass	B	565,000	1,151		Restoration/Mitigation
	Striped bass	C	5,827	663		Restoration/Mitigation
	Striped bass (t)	B	27,300	75		Mgmt. Asst. on Fed/Indian
	Striped bass (t)	B	106,200	192		Restoration/Mitigation
	Striped bass (t)	C	5	60		Restoration/Mitigation
	Distributed:		813,627	1,981		
	Transferred:		133,505	327		
	Total Distributed by Facility:		1,958,218	4,928		
	Total Transferred by Facility:		193,505	377		
GEORGIA						
Bo Ginn NFH/AQ	Bluegill	A	447,058	481		Restoration/Mitigation
	Bluegill	B	198,795	935		Endangered/Threatened Species
	Bluegill	B	16,400	82		Mgmt. Asst. on Fed/Indian
	Distributed:		662,253	1,498		
	Channel catfish	B	98,820	1,937		Mgmt. Asst. on Fed/Indian
	Channel catfish	B	105,000	1,500		Restoration/Mitigation
	Channel catfish (t)	B	8,000	156		Mgmt. Asst. on Fed/Indian
	Distributed:		203,820	3,437		
	Transferred:		8,000	156		
	Green sunfish	B	6,572	120		Endangered/Threatened Species
	Distributed:		6,572	120		
	Largemouth bass	A	2,050	3		Mgmt. Asst. on Fed/Indian
	Distributed:		2,050	3		
	Redear sunfish	A	4,100	4		Mgmt. Asst. on Fed/Indian
	Redear sunfish	A	153,900	128		Restoration/Mitigation
	Distributed:		158,000	132		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Bo Ginn NFH/AQ continued:	Shortnose sturgeon (t)	C	185	1,714		Endangered/Threatened Species
	Transferred:		185	1,714		
	Striped bass	C	500	125		Research and Development
	Striped bass	C	68,141	10,563		Restoration/Mitigation
	Distributed:		68,641	10,688		
	Total Distributed by Facility:		1,101,336	15,878		
	Total Transferred by Facility:		8,185	1,870		
Chattahoochee Forest NFH	Rainbow trout	B	410,156	14,097		Mgmt. Asst. on Fed/Indian
	Rainbow trout	B	1,521	39		Research and Development
	Rainbow trout	C	354,422	106,681		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	32,692	10,757		Restoration/Mitigation
	Distributed:		798,791	31,574		
	Total Distributed by Facility:		798,791	131,574		
KENTUCKY						
Wolf Creek NFH	Brown trout	B	2,074	21		Mgmt. Asst. on Fed/Indian
	Brown trout	C	9,950	2,301		Mgmt. Asst. on Fed/Indian
	Brown trout	C	38,446	8,725		Restoration/Mitigation
	Brown trout (t)	B	63,508	1,513		Restoration/Mitigation
	Distributed:		50,470	11,047		
	Transferred:		63,508	1,513		
	Rainbow trout	B	4,025	121		Research and Development
	Rainbow trout	B	71,524	2,156		Restoration/Mitigation
	Rainbow trout	C	235,922	70,026		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	458,167	144,913		Restoration/Mitigation
	Rainbow trout (t)	B	99,067	2,221		Restoration/Mitigation
	Rainbow trout (t)	C	22,662	4,680		Restoration/Mitigation
	Distributed:		769,638	217,216		
	Transferred:		121,729	6,901		
	Total Distributed by Facility:		820,108	228,263		
	Total Transferred by Facility:		185,237	8,414		

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Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
LOUISIANA						
Natchitoches NFH	Blue catfish	B	209,420	7,072		Restoration/Mitigation
	Blue catfish	C	155	378		Restoration/Mitigation
	Distributed:		**209,575**	**7,450**		
	Bluegill	A	6,550	10		Research and Development
	Bluegill	A	222,900	218		Restoration/Mitigation
	Distributed:		**229,450**	**228**		
	Channel catfish				15,000	Research and Development
	Channel catfish				19,200	Restoration/Mitigation
	Channel catfish	A	52,000	4		Restoration/Mitigation
	Channel catfish	B	155,717	3,598		Restoration/Mitigation
	Distributed:		**207,717**	**3,602**	**34,200**	
	Largemouth bass	A	136,287	155		Restoration/Mitigation
	Distributed:		**136,287**	**155**		
	Paddlefish				62,400	Restoration/Mitigation
	Distributed:				**62,400**	
	Striped bass	A	828,898	526		Restoration/Mitigation
	Distributed:		**828,898**	**526**		
	Total Distributed by Facility:		**1,611,927**	**11,961**	**96,600**	
MISSISSIPPI						
Meridian NFH, MS	Bluegill	A	112,350	113		Restoration/Mitigation
	Bluegill	B	628,600	628		Farm Pond Program
	Bluegill	B	1,084,150	1,205		Restoration/Mitigation
	Distributed:		**1,825,100**	**1,946**		
	Largemouth bass	A	24,000	12		Restoration/Mitigation
	Largemouth bass	B	80,626	323		Farm Pond Program
	Largemouth bass	B	23,000	107		Restoration/Mitigation
	Distributed:		**127,626**	**442**		
	Redear sunfish	A	18,150	19		Restoration/Mitigation
	Redear sunfish	B	269,400	270		Farm Pond Program
	Redear sunfish	B	494,940	546		Restoration/Mitigation
	Distributed:		**782,490**	**835**		
	Total Distributed by Facility:		**2,735,216**	**3,223**		

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Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Private John Allen NFH, MS	Blue catfish	B	19,475	475		Restoration/Mitigation
	Distributed:		**19,475**	**475**		
	Bluegill	B	175,521	314		Farm Pond Program
	Bluegill	B	11,950	51		Restoration/Mitigation
	Distributed:		**187,471**	**365**		
	Channel catfish	B	122,182	996		Restoration/Mitigation
	Distributed:		**122,182**	**996**		
	Goldfish (t)	B	44,000	1,100		Other programs
	Transferred:		**44,000**	**1,100**		
	Largemouth bass	A	11,600	13		Farm Pond Program
	Distributed:		**11,600**	**13**		
	Paddlefish (t)	A	87,688	3		Restoration/Mitigation
	Transferred:		**87,688**	**3**		
	Redear sunfish	B	117,014	209		Farm Pond Program
	Redear sunfish	B	11,950	51		Restoration/Mitigation
	Distributed:		**128,964**	**260**		
	Striped bass	B	16,895	15		Restoration/Mitigation
	Distributed:		**16,895**	**15**		
	Total Distributed by Facility:		**486,587**	**2,124**		
	Total Transferred by Facility:		**131,688**	**1,103**		
NORTH CAROLINA						
Edenton NFH	Striped bass	A	3,450	3		Research and Development
	Striped bass	A	441,871	550		Restoration/Mitigation
	Striped bass	B	403,122	8,455		Restoration/Mitigation
	Striped bass	C	133,896	11,453		Restoration/Mitigation
	Distributed:		**982,339**	**20,461**		
	Total Distributed by Facility:		**982,339**	**20,461**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
McKinney Lake NFH	Bluegill	A	77,500	74		Mgmt. Asst. on Fed/Indian
	Distributed:		77,500	74		
	Carp	C	26	7		Mgmt. Asst. on Fed/Indian
	Distributed:		26	7		
	Largemouth bass	A	15,800	9		Mgmt. Asst. on Fed/Indian
	Largemouth bass	B	7,500	14		Mgmt. Asst. on Fed/Indian
	Distributed:		23,300	23		
	Striped bass	A	644,051	485		Restoration/Mitigation
	Striped bass	B	54,116	2,252		Restoration/Mitigation
	Striped bass	C	9,213	951		Restoration/Mitigation
	Distributed:		707,380	3,688		
	Total Distributed by Facility:		808,206	3,792		
SOUTH CAROLINA						
Orangeburg NFH	Redbreast sunfish	B	465,800	574		Restoration/Mitigation
	Distributed:		465,800	574		
	Shortnose sturgeon (t)	C	11	94		Endangered/Threatened Species
	Transferred:		11	94		
	Striped bass	B	780,407	642		Restoration/Mitigation
	Distributed:		780,407	642		
	Total Distributed by Facility:		1,246,207	1,216		
	Total Transferred by Facility:		11	94		
Walhalla NFH	Brown trout	B	353,225	6,491		Mgmt. Asst. on Fed/Indian
	Brown trout	B	23,265	1,269		Other programs
	Brown trout	C	24,993	7,099		Mgmt. Asst. on Fed/Indian
	Brown trout	C	63,459	14,943		Other programs
	Brown trout	C	25	16		Research and Development
	Brown trout (t)	A	226,000	45		Egg Shipment
	Distributed:		464,967	29,818		
	Transferred:		226,000	45		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Walhalla NFH	Rainbow trout	B	168,604	3,953		Mgmt. Asst. on Fed/Indian
continued:	Rainbow trout	B	300	1		Research and Development
	Rainbow trout	C	118,284	33,152		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	102,646	33,971		Other programs
	Rainbow trout	C	2,680	552		Research and Development
	Rainbow trout	C	27,992	22,859		Restoration/Mitigation
	Distributed:		**420,506**	**94,488**		
	Total Distributed by Facility:		**885,473**	**124,306**		
	Total Transferred by Facility:		**226,000**	**45**		
TENNESSEE						
Dale Hollow NFH	Brown trout	C	63,428	10,802		Restoration/Mitigation
	Distributed:		**63,428**	**10,802**		
	Lake trout	C	9,667	448		Restoration/Mitigation
	Distributed:		**9,667**	**448**		
	Rainbow trout	B	159,997	9,662		Restoration/Mitigation
	Rainbow trout	C	563,299	174,294		Restoration/Mitigation
	Rainbow trout (t)	B	500,161	2,170		Restoration/Mitigation
	Rainbow trout (t)	C	15,028	1,070		Restoration/Mitigation
	Distributed:		**723,296**	**183,956**		
	Transferred:		**515,189**	**3,240**		
	Total Distributed by Facility:		**796,391**	**195,206**		
	Total Transferred by Facility:		**515,189**	**3,240**		
Erwin NFH	Rainbow trout				4,032	Egg Shipment
	Rainbow trout				723,262	Cooperator Management Program
	Rainbow trout				13,165	Future Broodstock
	Rainbow trout				3,894,740	Mgmt. Asst. on Fed/Indian
	Rainbow trout				765,768	Other programs
	Rainbow trout				107,588	Research and Development
	Rainbow trout				8,009,210	Restoration/Mitigation
	Rainbow trout	B	6,644	440		Mgmt. Asst. on Fed/Indian
	Rainbow trout	B	10,732	87		Research and Development
	Rainbow trout	B	3,327	125		Restoration/Mitigation

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Fish and Fish Egg Distribution by Region

REGION 4 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Erwin NFH	Rainbow trout	C	6,965	7,302		Mgmt. Asst. on Fed/Indian
continued:	Rainbow trout	C	2,195	6,483		Other programs
	Rainbow trout	C	1,329	477		Research and Development
	Rainbow trout	C	18,626	37,487		Restoration/Mitigation
	Distributed:		**49,818**	**52,401**	**13,517,765**	
	Total Distributed by Facility:		**49,818**	**52,401**	**13,517,765**	
REGION 4 TOTALS						
	Region 4 Total Distributed		**20,251,370**	**1,468,928**	**13,614,365**	
	Region 4 Total Transferred		**3,522,306**	**17,372**	**0**	
	Region 4 Grand Total		**23,773,676**	**1,486,300**	**13,614,365**	

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 5

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
MASSACHUSETTS						
Berkshire NFH	Atlantic salmon				1,208,000	Restoration/Mitigation
	Atlantic salmon	C	175	1,750		Restoration/Mitigation
	Distributed:		175	1,750	1,208,000	
	Total Distributed by Facility:		175	1,750	1,208,000	
North Attleboro NFH	Atlantic salmon	A	34,005	14		Research and Development
	Atlantic salmon	A	2,979,306	1,008		Restoration/Mitigation
	Atlantic salmon	B	3,300	70		Research and Development
	Atlantic salmon	C	977	5,862		Other programs
	Atlantic salmon	C	7,016	1,030		Research and Development
	Atlantic salmon	C	76,961	10,685		Restoration/Mitigation
	Distributed:		3,101,565	18,669		
	Rainbow trout	B	1,519	12		Other programs
	Rainbow trout	C	1,101	1,209		Other programs
	Distributed:		2,620	1,221		
	Total Distributed by Facility:		3,104,185	19,890		
Richard Cronin	Atlantic salmon				1,727,723	Restoration/Mitigation
NSS, MA	Atlantic salmon	C	124	840		Restoration/Mitigation
	Distributed:		124	840	1,727,723	
	Total Distributed by Facility:		124	840	1,727,723	
MAINE						
Craig Brook NFH	Atlantic salmon				81,908	Endangered/Threatened Species
	Atlantic salmon				1,881,872	Restoration/Mitigation
	Atlantic salmon	A	1,156,638	408		Endangered/Threatened Species
	Atlantic salmon	A	12,000	5		Research and Development
	Distributed:		1,168,638	413	1,963,780	
	Total Distributed by Facility:		1,168,638	413	1,963,780	
Green Lake NFH	Atlantic salmon				2,066,350	Restoration/Mitigation
	Atlantic salmon	C	2,122	5,796		Other programs
	Atlantic salmon	C	650,637	92,931		Restoration/Mitigation
	Distributed:		652,759	98,727	2,066,350	
	Brook trout	C	2,300	676		Mgmt. Asst. on Fed/Indian
	Distributed:		2,300	676		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 5 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Green Lake NFH continued:	Landlocked Atlantic salmon	C	1,551	296		Other programs
	Distributed:		1,551	296		
	Lake trout	C	1,459	247		Other programs
	Distributed:		1,459	247		
	Total Distributed by Facility:		**658,069**	**99,946**	**2,066,350**	
NEW HAMPSHIRE						
Nashua NFH	Atlantic salmon				8,662,900	Restoration/Mitigation
	Atlantic salmon	A	42,120	34		Restoration/Mitigation
	Atlantic salmon	C	10,339	30,278		Restoration/Mitigation
	Distributed:		52,459	30,312	8,662,900	
	Total Distributed by Facility:		**52,459**	**30,312**	**8,662,900**	
PENNSYLVANIA						
Allegheny NFH	Landlocked Atlantic salmon	B	60	2		Research and Development
	Landlocked Atlantic salmon	C	23,000	1,770		Restoration/Mitigation
	Distributed:		23,060	1,772		
	Lake trout				6,800	Research and Development
	Lake trout				2,999,740	Restoration/Mitigation
	Lake trout	A	200,000	50		Restoration/Mitigation
	Lake trout	B	164,000	1,689		Mgmt. Asst. on Fed/Indian
	Lake trout	B	1,040	14		Research and Development
	Lake trout	B	41,500	1,483		Restoration/Mitigation
	Lake trout	C	220	2,923		Mgmt. Asst. on Fed/Indian
	Lake trout	C	85	263		Research and Development
	Lake trout	C	707,000	67,419		Restoration/Mitigation
	Lake trout (t)	C	40,000	2,500		Restoration/Mitigation
	Distributed:		1,113,845	73,841	3,006,540	
	Transferred:		40,000	2,500		
	Total Distributed by Facility:		**1,136,905**	**75,613**	**3,006,540**	
	Total Transferred by Facility:		**40,000**	**2,500**		
Lamar NFH	Atlantic sturgeon	A	8,400	5		Research and Development
	Atlantic sturgeon	B	300	1		Research and Development
	Atlantic sturgeon	C	50	26		Research and Development
	Distributed:		8,750	32		

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Fish and Fish Egg Distribution by Region

REGION 5 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Lamar NFH	Rainbow trout	C	5,032	6,985		Mgmt. Asst. on Fed/Indian
continued:	Rainbow trout	C	24,412	15,394		Other programs
	Distributed:		29,444	22,379		
	Striped bass	B	60	5		Other programs
	Striped bass	B	72,771	5,901		Restoration/Mitigation
	Distributed:		72,831	5,906		
	Total Distributed by Facility:		111,025	28,317		
VIRGINIA						
Harrison Lake NFH	American shad	A	173,602	34		Restoration/Mitigation
	American shad	B	30,000	300		Restoration/Mitigation
	Distributed:		203,602	334		
	Channel catfish	B	63,500	1,410		Mgmt. Asst. on Fed/Indian
	Channel catfish	B	1,500	33		Other programs
	Channel catfish (t)	B	24,580	548		Other programs
	Distributed:	65,000	1,443			
	Transferred:	24,580	548			
	Striped bass	C	26,981	2,791		Restoration/Mitigation
	Distributed:		26,981	2,791		
	Total Distributed by Facility:		295,583	4,568		
	Total Transferred by Facility:		24,580	548		
VERMONT						
Pittsford NFH, VT	Atlantic salmon	A	233,982	93		Restoration/Mitigation
	Distributed:		233,982	93		
	Landlocked Atlantic salmon	C	105,693	8,974		Restoration/Mitigation
	Distributed:		105,693	8,974		
	Lake trout	C	49,980	3,191		Restoration/Mitigation
	Distributed:		49,980	3,191		
	Total Distributed by Facility:		389,655	12,258		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 5 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
White River NFH	Atlantic salmon				472,860	Restoration/Mitigation
	Atlantic salmon	A	2,825,979	934		Restoration/Mitigation
	Atlantic salmon	B	2,497	39		Research and Development
	Atlantic salmon	B	186,823	5,461		Restoration/Mitigation
	Atlantic salmon	C	4,167	540		Research and Development
	Atlantic salmon	C	344,000	43,025		Restoration/Mitigation
	Atlantic salmon (t)	C	3,012	443		Restoration/Mitigation
	Distributed:		3,363,466	49,999	472,860	
	Transferred:		3,012	443		
	Total Distributed by Facility:		3,363,466	49,999	472,860	
	Total Transferred by Facility:		3,012	443		
WEST VIRGINIA						
Bowden NFH	Brook trout	B	89,269	1,449		Mgmt. Asst. on Fed/Indian
	Brook trout	C	27,837	14,878		Mgmt. Asst. on Fed/Indian
	Distributed:		117,106	16,327		
	Brown trout	C	10,033	4,452		Mgmt. Asst. on Fed/Indian
	Distributed:		10,033	4,452		
	Rainbow trout	B	119,244	2,108		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	262,801	162,472		Mgmt. Asst. on Fed/Indian
	Rainbow trout (t)	C	500	357		Mgmt. Asst. on Fed/Indian
	Distributed:		382,045	164,580		
	Transferred:		500	357		
	Striped bass	B	147,696	8,386		Restoration/Mitigation
	Distributed:		147,696	8,386		
	Total Distributed by Facility:		656,880	193,745		
	Total Transferred by Facility:		500	357		
White Sulphur Springs NFH	Brook trout	B	15,000	37		Restoration/Mitigation
	Brook trout	C	12,030	2,333		Restoration/Mitigation
	Distributed:		27,030	2,370		
	Rainbow trout				24,768	Future Broodstock
	Rainbow trout				262,546	Other programs
	Rainbow trout				1,181,352	Trade off

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Fish and Fish Egg Distribution by Region

REGION 5 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
White Sulphur	Rainbow trout	B	22,164	406		Restoration/Mitigation
Springs NFH	Rainbow trout	C	25,489	31,600		Restoration/Mitigation
continued:	*Distributed:*		47,653	32,006	1,468,666	
	Total Distributed by Facility:		74,683	34,376	1,468,666	
REGION 5 TOTALS						
	Region 5 Total Distributed		11,011,847	552,027	20,576,819	
	Region 5 Total Transferred		68,092	3,848	0	
	Region 5 Grand Total		11,079,939	555,875	20,576,819	

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 6

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
COLORADO						
Hotchkiss NFH	Cutthroat trout	A	812	1		Other programs
	Cutthroat trout	B	45,858	77		Other programs
	Cutthroat trout	B	2,000	3		Restoration/Mitigation
	Distributed:		**48,670**	**81**		
	Rainbow trout	B	60,821	1,883		Other programs
	Rainbow trout	B	1,415,277	60,714		Restoration/Mitigation
	Rainbow trout	C	2,563	743		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	349,234	51,221		Restoration/Mitigation
	Rainbow trout (t)	B	130,336	2,613		Restoration/Mitigation
	Distributed:		**1,827,895**	**114,561**		
	Transferred:		**130,336**	**2,613**		
	Total Distributed by Facility:		**1,876,565**	**114,642**		
	Total Transferred by Facility:		**130,336**	**2,613**		
Leadville NFH	Brook trout	B	11,014	271		Mgmt. Asst. on Fed/Indian
	Distributed:		**11,014**	**271**		
	Brown trout	B	3,916	189		Mgmt. Asst. on Fed/Indian
	Brown trout	B	39,140	412		Restoration/Mitigation
	Brown trout	C	3,639	269		Restoration/Mitigation
	Distributed:		**46,695**	**870**		
	Cutthroat trout	A	12,550	14		Restoration/Mitigation
	Cutthroat trout	B	10,110	600		Other programs
	Cutthroat trout	B	19,359	2,394		Restoration/Mitigation
	Cutthroat trout	C	120,612	35,213		Mgmt. Asst. on Fed/Indian
	Cutthroat trout	C	15,861	2,460		Other programs
	Cutthroat trout	C	125,235	25,903		Restoration/Mitigation
	Cutthroat trout (t)	C	585	130		Other programs
	Distributed:		**303,727**	**66,584**		
	Transferred:		**585**	**130**		
	Lake trout	B	18,191	622		Restoration/Mitigation
	Distributed:		**18,191**	**622**		

(t) = Transferred to a Service facility Size Key: A = Less than 1.5" B = 1.5" to 5.5" C = Greater than 5.5"

Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Leadville NFH	Rainbow trout	C	5,813	1,615		Mgmt. Asst. on Fed/Indian
continued:	Rainbow trout	C	23,451	4,103		Other programs
	Rainbow trout	C	89,631	24,955		Restoration/Mitigation
	Distributed:		118,895	30,673		
	Total Distributed by Facility:		**498,522**	**99,020**		
	Total Transferred by Facility:		**585**	**130**		
MONTANA						
Bozeman FTC	Arctic grayling	B	2,600	18		Research and Development
	Arctic grayling	C	12,662	769		Restoration/Mitigation
	Distributed:		15,262	787		
	Cutthroat trout	C	425	40		Other programs
	Distributed:		425	40		
	Shovelnose sturgeon	A	25,000	2		Other programs
	Shovelnose sturgeon	A	25,000	3		Research and Development
	Distributed:		50,000	5		
	Rainbow trout	C	2,695	2,360		Other programs
	Distributed:		2,695	2,360		
	Walleye	B	2,719	31		Other programs
	Walleye	C	561	92		Other programs
	Distributed:		3,280	123		
	Total Distributed by Facility:		**71,662**	**3,315**		
Creston NFH	Cutthroat trout	B	67,000	2,577		Mgmt. Asst. on Fed/Indian
	Distributed:		67,000	2,577		
	Kokanee	C	802,174	73,993		Restoration/Mitigation
	Distributed:		802,174	73,993		
	Lake trout	C	1,742	3,340		Restoration/Mitigation
	Distributed:		1,742	3,340		
	Rainbow trout	B	209,878	7,627		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	168,763	21,405		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	1,000	200		Other programs
	Rainbow trout	C	24,726	3,530		Restoration/Mitigation
	Distributed:		404,367	32,762		
	Total Distributed by Facility:		**1,275,283**	**112,672**		

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Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Ennis NFH	Rainbow trout				1,990,000	Cooperator Management Program
	Rainbow trout				42,637	Future Broodstock
	Rainbow trout				2,395,558	Mgmt. Asst. on Fed/Indian
	Rainbow trout				1,378,036	Other programs
	Rainbow trout				1,072,796	Research and Development
	Rainbow trout				8,678,139	Restoration/Mitigation
	Rainbow trout				4,506,870	Trade off
	Rainbow trout	B	14,313	164		Other programs
	Rainbow trout	B	4,930	125		Research and Development
	Rainbow trout	C	1,481	5,077		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	11,400	22,295		Other programs
	Rainbow trout	C	366	1,050		Research and Development
	Rainbow trout (t)	C	9	23		Other programs
	Distributed:		**32,490**	**28,711**	**20,064,036**	
	Transferred:		**9**	**23**		
	Total Distributed by Facility:		**32,490**	**28,711**	**20,064,036**	
	Total Transferred by Facility:		**9**	**23**		
NORTH DAKOTA						
Garrison Dam NFH	Black crappie	C	278	45		Restoration/Mitigation
	Distributed:		**278**	**45**		
	Brown trout	C	226,155	22,703		Restoration/Mitigation
	Distributed:		**226,155**	**22,703**		
	Fall chinook salmon	B	439,500	13,283		Restoration/Mitigation
	Distributed:		**439,500**	**13,283**		
	Largemouth bass	B	442,172	343		Restoration/Mitigation
	Distributed:		**442,172**	**343**		
	Northern pike				1,530,000	Restoration/Mitigation
	Northern pike	B	79,630	77		Mgmt. Asst. on Fed/Indian
	Northern pike	B	567,477	522		Restoration/Mitigation
	Distributed:		**647,107**	**599**	**1,530,000**	
	Pallid sturgeon	C	87	20		Research and Development
	Distributed:		**87**	**20**		

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Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Garrison Dam NFH	Rainbow trout	B	700	1		Research and Development
continued:	Rainbow trout	B	82,000	3,393		Restoration/Mitigation
	Rainbow trout	C	20,048	2,826		Other programs
	Rainbow trout	C	700	93		Research and Development
	Rainbow trout	C	311,225	64,504		Restoration/Mitigation
	Rainbow trout (t)	C	5,135	1,309		Restoration/Mitigation
	Distributed:		**414,673**	**70,817**		
	Transferred:		**5,135**	**1,309**		
	Sauger	C	100	200		Restoration/Mitigation
	Distributed:		**100**	**200**		
	Smallmouth bass				500,000	Restoration/Mitigation
	Smallmouth bass	B	28,536	21		Mgmt. Asst. on Fed/Indian
	Smallmouth bass	B	39,548	47		Other programs
	Smallmouth bass	B	97,683	131		Restoration/Mitigation
	Smallmouth bass (t)	C	197	394		Mgmt. Asst. on Fed/Indian
	Distributed:		**165,767**	**199**	**500,000**	
	Transferred:		**197**	**394**		
	Walleye				15,252,000	Other programs
	Walleye				11,000	Research and Development
	Walleye				7,920,000	Restoration/Mitigation
	Walleye	A	200,000	2		Mgmt. Asst. on Fed/Indian
	Walleye	A	1,455,000	15		Restoration/Mitigation
	Walleye	B	79,170	63		Mgmt. Asst. on Fed/Indian
	Walleye	B	1,319,358	997		Restoration/Mitigation
	Distributed:		**3,053,528**	**1,077**	**23,183,000**	
	White crappie	C	168	28		Restoration/Mitigation
	Distributed:		**168**	**28**		
	Saugeye				2,516,000	Other programs
	Saugeye				8,940,000	Restoration/Mitigation
	Saugeye	B	81,403	51		Restoration/Mitigation
	Distributed:		**81,403**	**51**	**11,456,000**	

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Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Garrison Dam NFH	Yellow perch				3,000,000	Restoration/Mitigation
continued:	Yellow perch	B	60,307	39		Mgmt. Asst. on Fed/Indian
	Yellow perch	B	58,676	60		Restoration/Mitigation
	Distributed:		**118,983**	**99**	**3,000,000**	
	Total Distributed by Facility:		**5,589,921**	**109,464**	**39,669,000**	
	Total Transferred by Facility:		**5,332**	**1,703**		
Valley City/	Black crappie	B	15,960	8		Mgmt. Asst. on Fed/Indian
Baldhill Dam NFH	Black crappie	B	86,890	46		Restoration/Mitigation
	Distributed:		**102,850**	**54**		
	Bluegill	B	122,550	49		Restoration/Mitigation
	Distributed:		**122,550**	**49**		
	Bonytail chub	B	1,300	5		Research and Development
	Distributed:		**1,300**	**5**		
	Channel catfish	B	133,400	667		Mgmt. Asst. on Fed/Indian
	Channel catfish	B	150,000	750		Restoration/Mitigation
	Distributed:		**283,400**	**1,417**		
	Largemouth bass	B	428,510	317		Restoration/Mitigation
	Distributed:		**428,510**	**317**		
	Tiger muskellunge	B	10,000	10		Mgmt. Asst. on Fed/Indian
	Tiger muskellunge	B	37,000	38		Restoration/Mitigation
	Distributed:		**47,000**	**48**		
	Northern pike	A	11,200	56		Other programs
	Northern pike	B	9,000	9		Mgmt. Asst. on Fed/Indian
	Northern pike	B	1,358,531	1,048		Restoration/Mitigation
	Distributed:		**1,378,731**	**1,113**		
	Walleye	A	1,500,000	17		Other programs
	Walleye	A	900,000	10		Restoration/Mitigation
	Walleye	B	49,940	23		Mgmt. Asst. on Fed/Indian
	Walleye	B	673,340	387		Restoration/Mitigation
	Walleye	C	1,854	206		Mgmt. Asst. on Fed/Indian
	Walleye	C	1,017	113		Restoration/Mitigation
	Distributed:		**3,126,151**	**756**		

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Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Valley City/	Yellow perch	B	311,426	178		Mgmt. Asst. on Fed/Indian
Baldhill Dam NFH	Yellow perch	B	1,900,148	1,059		Restoration/Mitigation
continued:	*Distributed:*		2,211,574	1,237		
	Total Distributed by Facility:		7,702,066	4,996		
SOUTH DAKOTA						
Gavins Point NFH	Black crappie	A	284,960	355		Restoration/Mitigation
	Distributed:		284,960	355		
	Bluegill	A	218,500	154		Mgmt. Asst. on Fed/Indian
	Bluegill	A	201,424	149		Restoration/Mitigation
	Bluegill	C	500	100		Other programs
	Bluegill	C	350	140		Restoration/Mitigation
	Distributed:		420,774	543		
	Channel catfish	B	3,000	30		Mgmt. Asst. on Fed/Indian
	Channel catfish	B	30,000	560		Other programs
	Channel catfish	B	419,860	7,867		Restoration/Mitigation
	Channel catfish (t)	A	300,000	37		Restoration/Mitigation
	Distributed:		452,860	8,457		
	Transferred:		300,000	37		
	Largemouth bass	A	86,000	102		Mgmt. Asst. on Fed/Indian
	Largemouth bass	A	53,000	53		Other programs
	Largemouth bass	B	19,335	256		Mgmt. Asst. on Fed/Indian
	Largemouth bass	B	191,470	419		Restoration/Mitigation
	Distributed:		349,805	830		
	Paddlefish				200,000	Other programs
	Paddlefish				46,000	Research and Development
	Paddlefish				80,000	Restoration/Mitigation
	Paddlefish	A	10,000	1		Mgmt. Asst. on Fed/Indian
	Paddlefish	A	100,000	5		Restoration/Mitigation
	Paddlefish	B	58	5		Restoration/Mitigation
	Paddlefish	C	21,440	7,117		Restoration/Mitigation
	Distributed:		131,498	7,128	326,000	

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Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Gavins Point NFH	Pallid sturgeon	C	6	2		Restoration/Mitigation
continued:	***Distributed:***		**6**	**2**		
	Pallid X Shovelnose	C	3	3		Restoration/Mitigation
	Distributed:		**3**	**3**		
	Rainbow trout	C	5,300	2,154		Mgmt. Asst. on Fed/Indian
	Distributed:		**5,300**	**2,154**		
	Palmetto bass	B	7,590	357		Mgmt. Asst. on Fed/Indian
	Palmetto bass	B	1,000	2		Restoration/Mitigation
	Distributed:		**8,590**	**359**		
	Smallmouth bass	A	160,000	8		Restoration/Mitigation
	Smallmouth bass	B	3,000	7		Mgmt. Asst. on Fed/Indian
	Smallmouth bass	B	21,500	36		Other programs
	Smallmouth bass	B	121,500	269		Restoration/Mitigation
	Distributed:		**306,000**	**320**		
	Walleye				8,634,000	Restoration/Mitigation
	Walleye	A	6,500,000	52		Mgmt. Asst. on Fed/Indian
	Walleye	A	8,595,000	221		Restoration/Mitigation
	Walleye	B	1,153,850	1,319		Restoration/Mitigation
	Walleye (t)	A	1,400,000	11		Restoration/Mitigation
	Distributed:		**16,248,850**	**1,592**	**8,634,000**	
	Transferred:		**1,400,000**	**11**		
	White crappie	A	42,480	59		Restoration/Mitigation
	Distributed:		**42,480**	**59**		
	Saugeye				1,163,000	Restoration/Mitigation
	Saugeye	B	61,140	135		Mgmt. Asst. on Fed/Indian
	Saugeye	B	90,500	98		Restoration/Mitigation
	Distributed:		**151,640**	**233**	**1,163,000**	
	Yellow perch	B	123,500	139		Restoration/Mitigation
	Distributed:		**123,500**	**139**		
	Total Distributed by Facility:		**18,526,266**	**22,174**	**10,123,000**	
	Total Transferred by Facility:		**1,700,000**	**48**		

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Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
UTAH						
Jones Hole NFH	Brook trout	B	13,505	199		Mgmt. Asst. on Fed/Indian
	Brook trout	B	12,500	480		Restoration/Mitigation
	Brook trout (t)	B	11,322	185		Mgmt. Asst. on Fed/Indian
	Distributed:		**26,005**	**679**		
	Transferred:		**11,322**	**185**		
	Brown trout	C	17,034	1,530		Mgmt. Asst. on Fed/Indian
	Brown trout	C	7,038	510		Restoration/Mitigation
	Distributed:		**24,072**	**2,040**		
	Cutthroat trout	B	15,400	140		Mgmt. Asst. on Fed/Indian
	Cutthroat trout	C	13,517	1,446		Mgmt. Asst. on Fed/Indian
	Cutthroat trout	C	51,832	4,361		Restoration/Mitigation
	Cutthroat trout (t)	B	173,046	4,100		Restoration/Mitigation
	Cutthroat trout (t)	C	6,870	904		Mgmt. Asst. on Fed/Indian
	Distributed:		**80,749**	**5,947**		
	Transferred:		**179,916**	**5,004**		
	Rainbow trout	B	132,385	7,167		Mgmt. Asst. on Fed/Indian
	Rainbow trout	B	67,502	818		Other programs
	Rainbow trout	B	739,023	6,926		Restoration/Mitigation
	Rainbow trout	C	28,962	6,412		Mgmt. Asst. on Fed/Indian
	Rainbow trout	C	1,000	350		Other programs
	Rainbow trout	C	608,946	113,342		Restoration/Mitigation
	Distributed:		**1,577,818**	**135,015**		
	Total Distributed by Facility:		**1,708,644**	**143,681**		
	Total Transferred by Facility:		**191,238**	**5,189**		
WYOMING						
Jackson NFH	Brown trout	C	72,943	6,692		Mgmt. Asst. on Fed/Indian
	Distributed:		**72,943**	**6,692**		
	Cutthroat trout				200,000	Cooperator Management Program
	Cutthroat trout	B	85,513	1,293		Mgmt. Asst. on Fed/Indian
	Cutthroat trout	B	1,053	3		Other programs
	Cutthroat trout	B	100	1		Research and Development
	Cutthroat trout	B	75,714	3,269		Restoration/Mitigation

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Fish and Fish Egg Distribution by Region

REGION 6 (continued)

Delivering Facility	Species	Size	Fish Stocked	Fish Weight	Eggs Shipped	Program
Jackson NFH	Cutthroat trout	C	101,774	14,220		Mgmt. Asst. on Fed/Indian
continued:	Cutthroat trout	C	1,000	87		Other programs
	Cutthroat trout	C	278,873	28,886		Restoration/Mitigation
	Cutthroat trout (t)	B	72,051	234		Other programs
	Distributed:		**544,027**	**47,759**	**200,000**	
	Transferred:		**72,051**	**234**		
	Lake trout	C	18,480	5,407		Restoration/Mitigation
	Distributed:		**18,480**	**5,407**		
	Total Distributed by Facility:		**635,450**	**59,858**	**200,000**	
	Total Transferred by Facility:		**72,051**	**234**		
Saratoga NFH	Brown trout				21,998	Future Broodstock
	Brown trout				422,825	Mgmt. Asst. on Fed/Indian
	Brown trout				641,596	Other programs
	Brown trout				779,950	Restoration/Mitigation
	Brown trout	C	967	1,072		Mgmt. Asst. on Fed/Indian
	Brown trout	C	3,184	4,957		Other programs
	Distributed:		**4,151**	**6,029**	**1,866,369**	
	Cutthroat trout	C	22,280	5,664		Mgmt. Asst. on Fed/Indian
	Cutthroat trout	C	6,399	1,272		Other programs
	Distributed:		**28,679**	**6,936**		
	Lake trout				3,588,204	Restoration/Mitigation
	Lake trout	C	505	4,933		Restoration/Mitigation
	Distributed:		**505**	**4,933**	**3,588,204**	
	Rainbow trout	B	112,567	4,090		Other programs
	Distributed:		**112,567**	**4,090**		
	Total Distributed by Facility:		**145,902**	**21,988**	**5,454,573**	
REGION 6 TOTALS						
	Region 6 Total Distributed		**38,062,771**	**720,521**	**75,510,609**	
	Region 6 Total Transferred		**2,099,551**	**9,940**	**0**	
	Region 6 Grand Total		**40,162,322**	**730,461**	**75,510,609**	
USFWS GRAND TOTALS						
	USFWS Total Distributed		**166,736,439**	**6,061,877**	**151,137,601**	
	USFWS Total Transferred		**10,333,887**	**58,468**	**0**	
	USFWS Grand Total		**177,070,326**	**6,120,345**	**151,137,601**	

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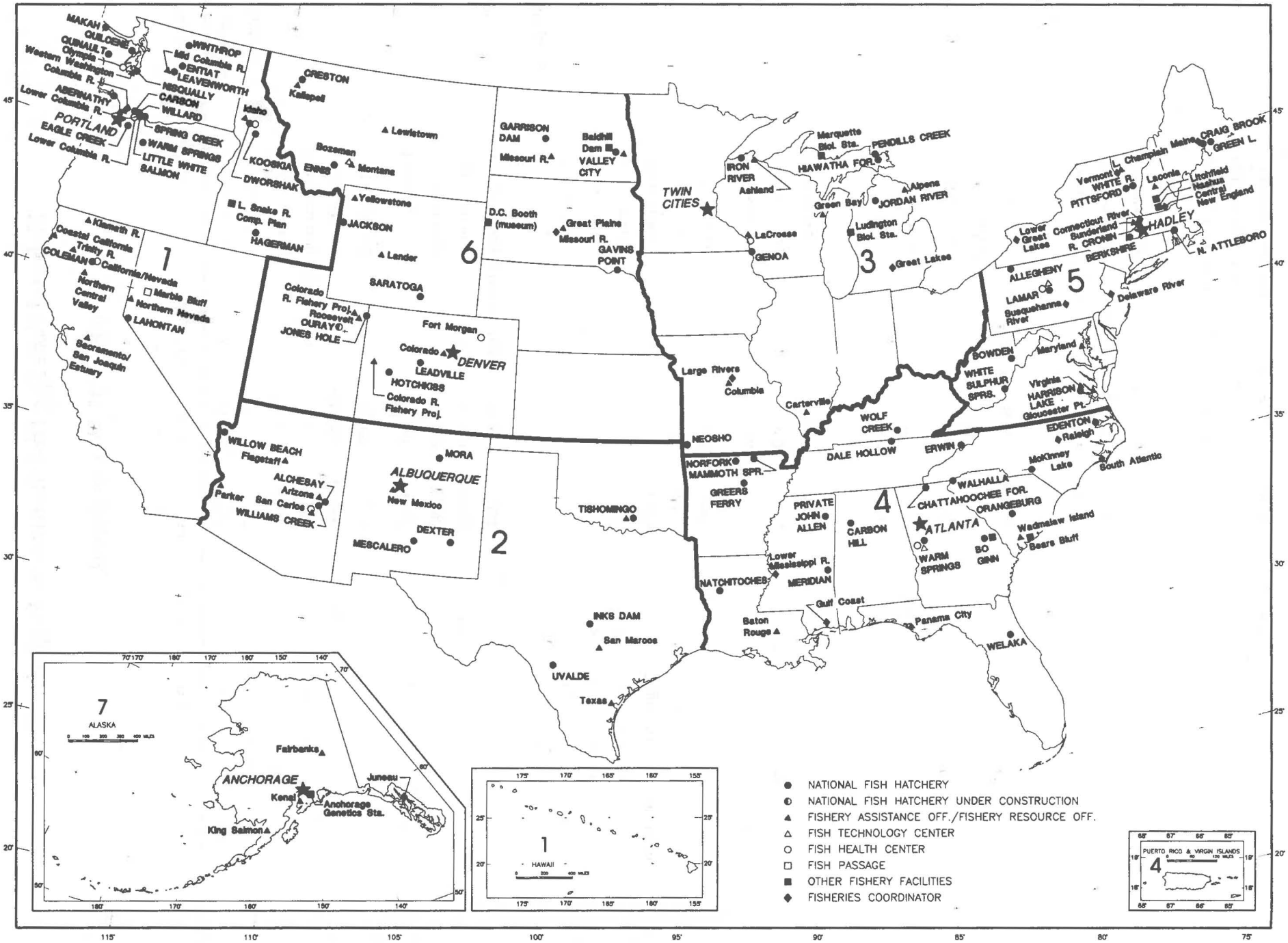

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