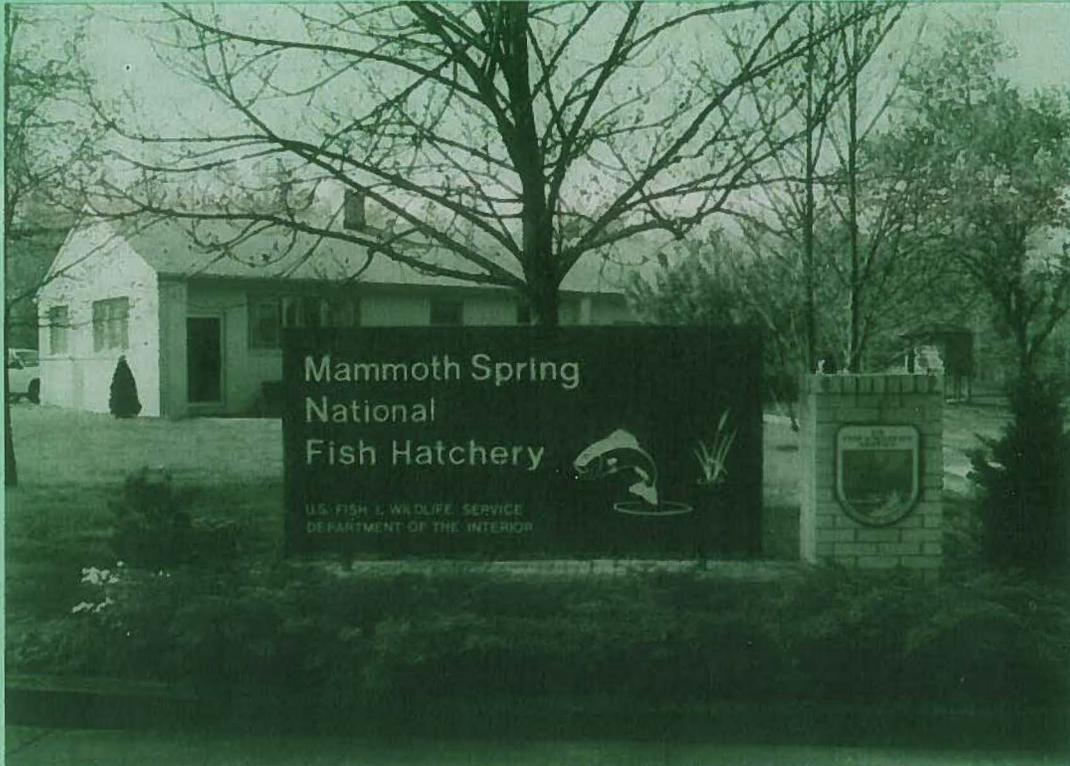


Fish and Fish Egg Distribution Report

OF THE NATIONAL FISH HATCHERY SYSTEM



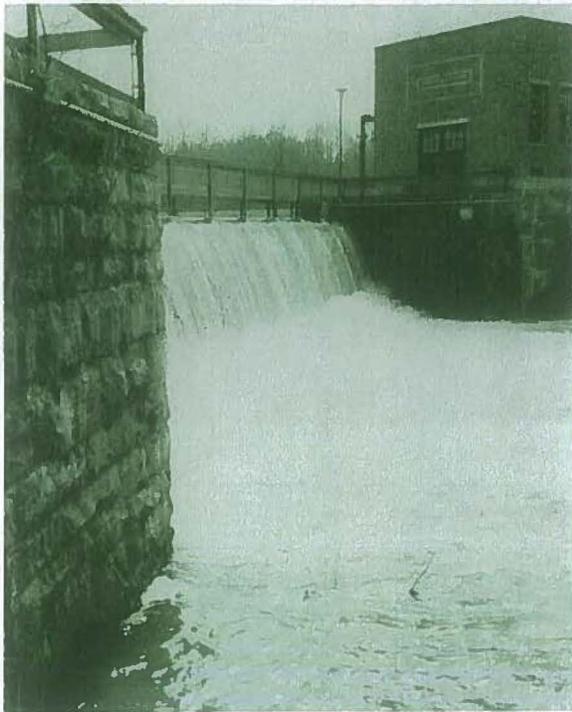
Fiscal Year 1991/Report No.26

UNITED STATES DEPARTMENT OF INTERIOR
FISH AND WILDLIFE SERVICE

MAMMOTH SPRING NATIONAL FISH HATCHERY

The cover photo features the Mammoth Spring National Fish Hatchery which is located in the "foothills of the Ozarks" in northcentral Arkansas at the mouth of the world's tenth largest spring.

Mammoth Spring has an average flow rate of ten million gallons per hour and is the source of water for Spring Lake from which the hatchery takes water (constant temperature of 58^o F) for fish production.



Spillway to dam that forms Spring Lake with historic hydroelectric plant on right of photo. Tailwaters of the dam mark the beginning of the Spring River.

The Mammoth Spring NFH was authorized by Congress on March 3, 1903 (32 Statute 1107) and began

production in 1904. No doubt, U.S. Fish Commission officials at that time recognized the great potential of this site for rearing fish, with an unlimited availability of high-quality, gravity-flow water at a near optimum year-round temperature. Owing to the foresight of these early fishery pioneers, Mammoth Spring NFH is still one of the nation's most versatile hatcheries which boasts a unique pond-raceway water distribution system which permits the production of warm, cool, and coldwater fish, simultaneously, if desired.

Originally established to satisfy the nation's growing expectation for recreational fisheries, Mammoth Spring NFH has raised over 20 different species of fish, including smallmouth bass, walleye, and trout for stocking the region's cool spring-fed rivers and streams and striped bass, largemouth bass, catfish, and sunfish for the natural lakes and numerous federal reservoirs dotting this part of the country. The hatchery is playing a critical role in restoration efforts for several species. The hatchery is an important source of Gulf Coast striped bass eggs taken from captive broodstock held on station. Hatchery staff have also played a significant role in developing and improving cultural techniques for this species.

Continued on inside of back page.

Fish and Fish Egg Distribution Report

OF THE NATIONAL FISH HATCHERY SYSTEM

Fiscal Year 1991/Report No.26

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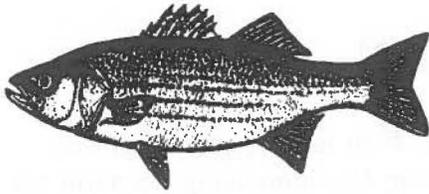
INTRODUCTION

Federal responsibilities for stewardship of the Nation's diverse and valuable fishery resources date back to 1871 when Congress established the position of U.S. Commissioner of Fish and Fisheries in response to the decline of domestic food fish supplies. These declines in specific fish populations during the past two centuries can be attributed to several factors, such as, over-fishing, degraded fishery habitat, water pollution, dam construction, and other natural and manmade phenomena. The artificial propagation of fish was recognized early on as an essential tool for the restoration of depleted fish stocks. As a part of the National Fish Hatchery System, facilities such as the Craig Brook NFH in Maine and the Leadville NFH in Colorado have been involved in the artificial propagation of fish species for over 100 years. While in many cases, significant progress has been made in restoring specific fish populations, resource managers face ever changing challenges to provide a stable fishery for species of interest nationwide.

One such challenge is to protect and where necessary, restore existing fisheries while providing the public an opportunity for a quality fishing experience. Today, fish provide sport to over 60 million recreational fisherman in the United States. These anglers spend over one billion days fishing each year and pump 30 billion dollars into the economy annually. Experts predict that by the year 2030, recreational fishing in the United States will increase by 40%.

The U.S. Fish and Wildlife Service recognizing the increasing demand on recreational fisheries was instrumental in developing the National Recreational Fisheries Policy. The Service recreational fisheries policy, Fisheries - USA, was developed under the umbrella of the National Policy. On November 25, 1991, the Director signed the Service's implementation plan for Fisheries - USA, "Action for Angling". The plan provides direction to all elements of the Service for developing field programs that reflect the guiding principles, goals, and objectives of both the National Recreational Fisheries Policy and Fisheries - USA. The plan also serves as a cornerstone for the Department of Interior's "Enjoy Outdoors America" initiative, which stresses the need to enhance citizen partnerships and participation in the recreational opportunities found on Interior lands. Consistent with its 100 year history, the National Fish Hatchery System will play a major role in assisting the Service to achieve the goals set forth in "Action for Angling".





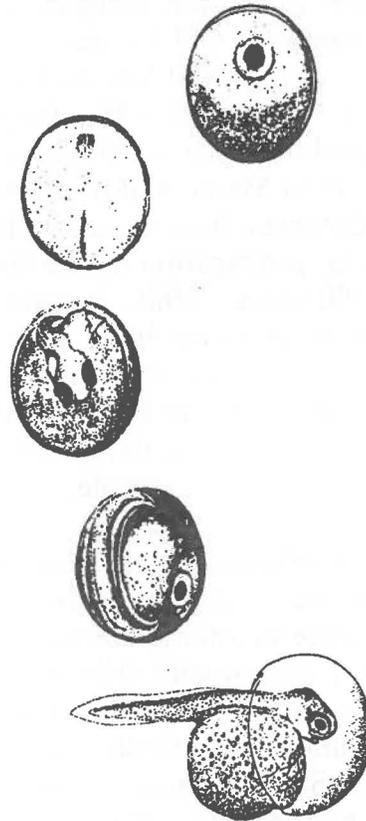
Striped Bass Restoration:

Historically, striped bass were one of America's most important recreational and commercial fisheries with millions of pounds of stripers being landed each year. However, by the mid- to late 1970s there was a significant decline in the landings of striped bass, and the need to better manage the resource became obvious. The restoration of striped bass in Atlantic and Gulf Coast waters is one of the Service's highest priorities. As part of this restoration effort, during the past 10 years, Service hatcheries in the Southeast, Southwest, and mid-Atlantic states, working in cooperation with state fish and wildlife agencies and federal fisheries management activities, have distributed over forty nine million striped bass of various sizes into the streams and tributaries along the Atlantic and Gulf Coasts.

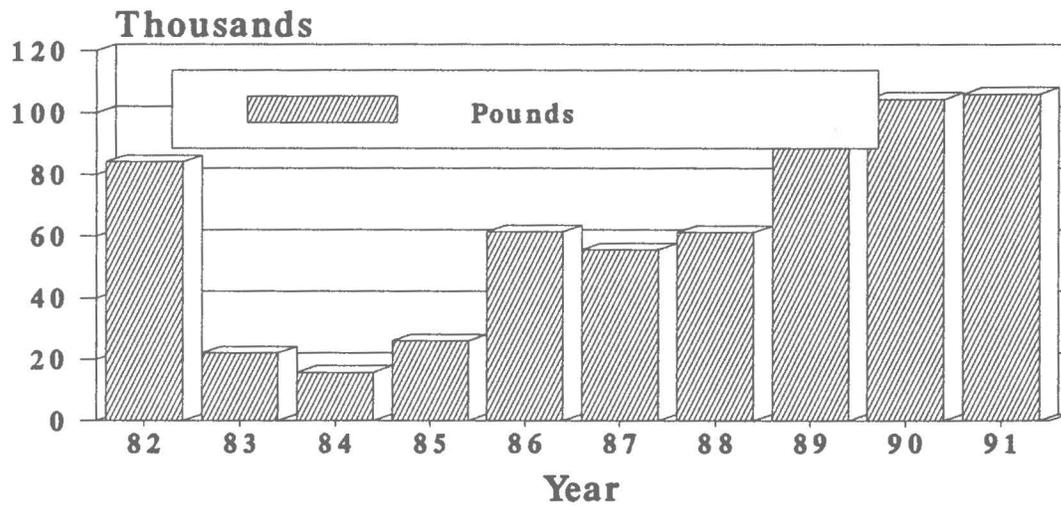
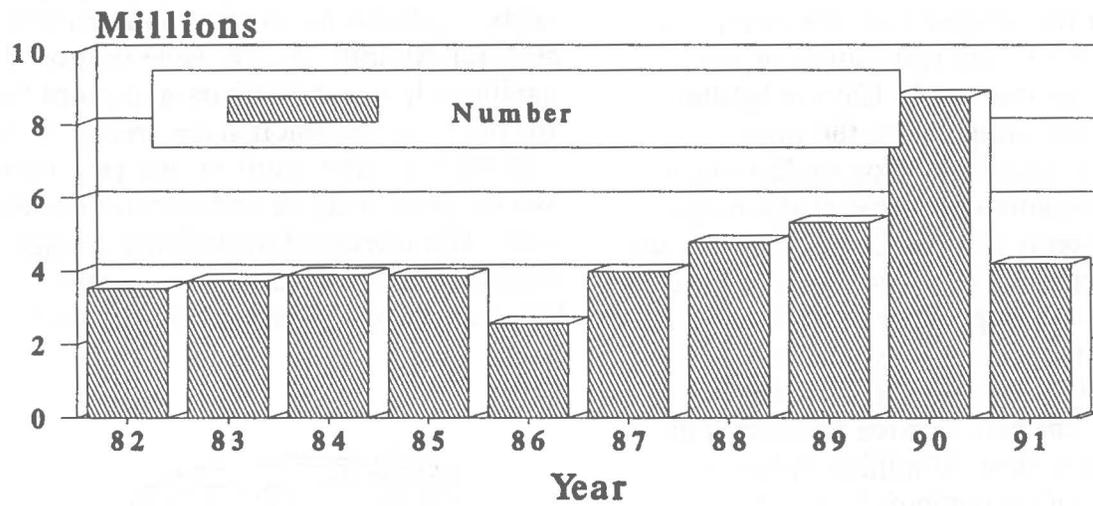
Today striped bass populations are rebounding. The Chesapeake Bay was once credited with hatching 90 percent of all striped bass found in the Atlantic Ocean. After 10 years of very low levels of striped bass production in the Chesapeake Bay, the 1989 Maryland young-of-the-year index for Chesapeake Bay striped bass indicated that striped bass numbers in the Bay had increased significantly. As a result of the Maryland index, some states reopened

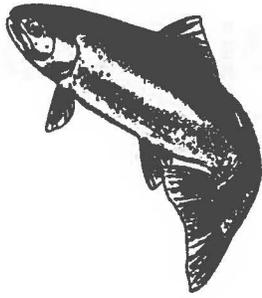
their striped bass fishery to limited harvest in 1990 and 1991.

Hatchery rearing and stocking of striped bass alone cannot sustain a healthy striped bass population for the future. However, together with harvest restrictions, efforts to reduce water pollution in breeding grounds, and expanded knowledge of the biological needs of striped bass, hatchery rearing and stocking has played and will continue to play a key role in the recovery of this species.



Ten Years of Fish Distribution for Striped Bass

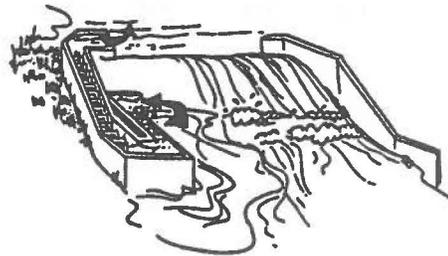




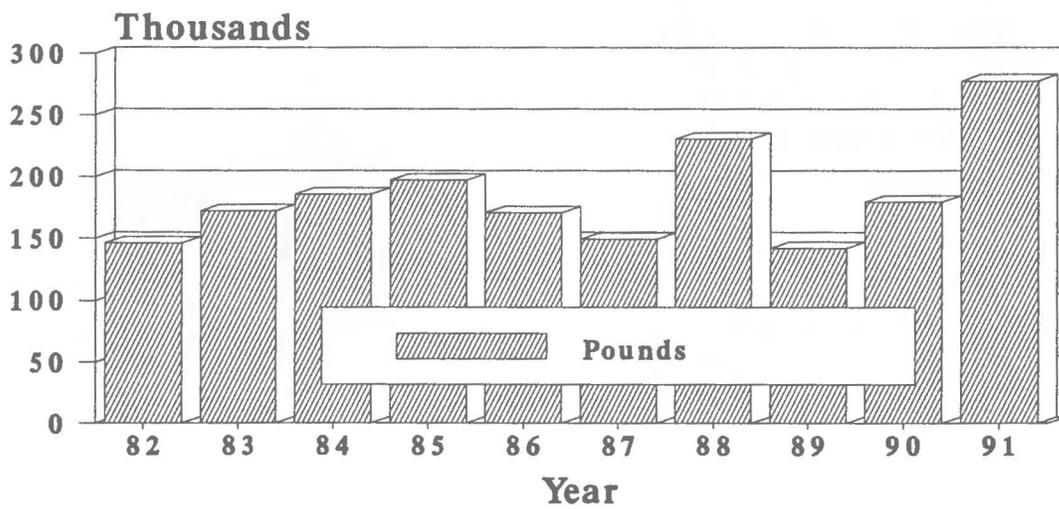
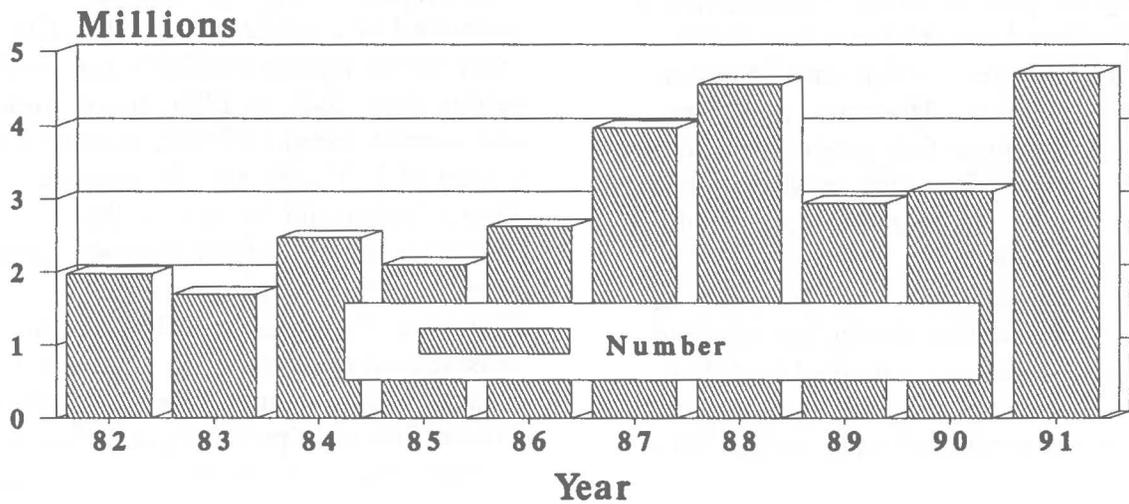
Atlantic Salmon Restoration:

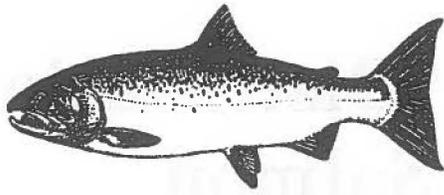
As with the striped bass, the Service is committed to the restoration of the Atlantic salmon to its historic habitat. During the early 1800s, the once plentiful Atlantic salmon underwent a drastic decline in several of the major river systems of New England due to the construction of dams, water pollution, and over-fishing. As part of a cooperative effort between state and federal fisheries agencies to restore Atlantic salmon, Service hatcheries have distributed over 30 million Atlantic salmon with a combined weight of nearly two million pounds in New England rivers during the past 10 years. The majority of the fish were stocked in the Penobscot, Connecticut, Merrimack, Union, and St. Croix Rivers.

While current numbers of returning adults fall short of maintaining a healthy sport fishery for Atlantic salmon, there are many reasons for optimism. Several fish passages have recently been completed at hydroelectric plants with more scheduled for completion in the near future. These will allow for fish to access more of the excellent salmon habitat that currently exists. Cultural techniques and artificial diets for Atlantic salmon have improved significantly in recent years and more fish are reaching the smolt stage (ready to begin migration to the ocean) at one year versus two or more years as was common in the past. The increased availability of eggs from returning adults also is a positive indicator for the future of Atlantic salmon.



Ten Years of Fish Distribution for Atlantic Salmon





Pacific Salmon and Steelhead Trout Restoration:

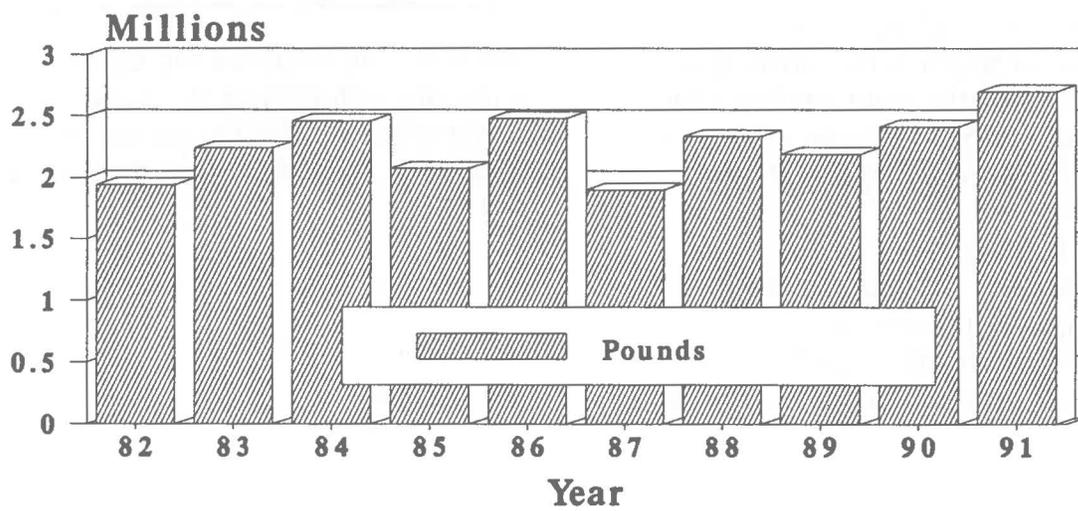
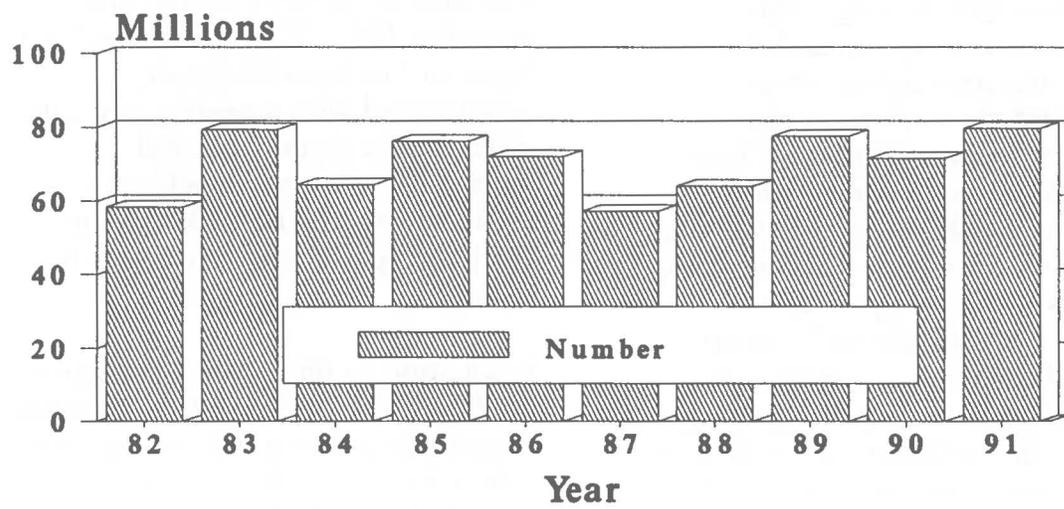
During the past 20 years, Pacific salmon and steelhead management has been plagued by bitter conflict and litigation in the Northwest. However, in recent years anadromous fish producing States, the 24 Indian tribes with treaty fishing rights, and the Federal Government have worked cooperatively to manage these important resources. The Service is an integral part of this closely coordinated interagency network involved with the production and management of Pacific salmon and steelhead trout on the West Coast.

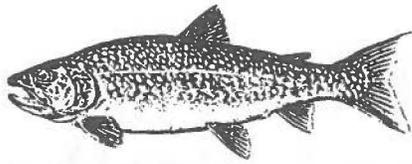
The Service's fisheries program in the Northwest consists of restoring and mitigating for salmon and steelhead losses as a result of Federal power and water development projects, changing land use practices, and pollution. Fish losses as a result of these actions are replaced by a combination of hatchery production and habitat rehabilitation to improve natural production. Fish production at a network of 17 National Fish Hatcheries resulted in the release of over 720 million Pacific salmon and steelhead with a combined weight of 23 million pounds during the past 10 years.

The continued successful management of Pacific salmon and steelhead is vitally important to the Northwest economy. In 1986, the commercial salmon harvest in Washington, Oregon, and California was over 7,100,000 fish with a value estimated at over \$230,000,000. The most recent figures available for sport fishing show that, in 1986, sports men and women caught 940,000 salmon worth a total of \$107,500,000. In addition, the Treaty Indian net fishery on the Columbia River yielded another 138,000 salmon. Most salmon produced in the Columbia River Basin and along the Washington coast migrate northward and many are caught in British Columbia and Alaska fisheries, providing significant contribution to the economies of these areas.



Ten Years of Fish Distribution for Pacific Salmon and Steelhead





Great Lakes Lake Trout **Restoration:**

The Great Lakes provided a large and successful commercial fishery in the early 1800s composed primarily of lake trout, whitefish, and lake herring. The combined effects of an unregulated fishery, habitat destruction, water pollution, and the invasion of the parasitic sea lamprey eliminated lake trout in Lakes Erie, Ontario, and Michigan, with only vestigial populations remaining in Lakes Superior and Huron by the early 1950s. As part of a combined effort of state and federal (both the United States and Canada) fisheries agencies to restore lake trout populations in the Great Lakes, Service hatcheries have distributed nearly 67 million lake trout of various sizes with a combined weight in excess of three million pounds during the last 10 years.

Restoration efforts for lake trout in the Great Lakes have relied on several factors, one of which is the stocking of hatchery reared lake trout (initiated by the Service in 1955). Intense efforts to control sea lampreys, important predators of lake trout, have been successful in most of the Great Lakes with sea lamprey populations presently being held to 10 percent of pretreatment population levels. Close regulation of harvest, reduction in water

pollution, improved fish habitat, and continued research of those factors thought to be most critical to the survival of stocked fish (including site of release, culture techniques, and artificial diets fed in hatcheries) also have played an important role in restoration efforts. While progress in restoring lake trout has been made in all Lakes, the degree of progress has been Lake specific. In Lake Ontario, survival of adult lake trout exceeded 65 percent for the first time on record in 1987. The eastern end of Lake Superior has been essentially rehabilitated with a healthy population of adult lake trout. Natural reproduction in Lake Michigan has produced fry, but unmarked (non-hatchery) fingerlings have yet to be found.

In addition to the contributions made by the Service's fish production units toward restoring/preserving our nation's valuable fishery resources, the Service operates various fish technology centers, fish health centers/offices, and fishway facilities as a part of the National Fish Hatchery System.

This report summarizes the distribution of fish and fish eggs by the National Fish Hatchery System for the period of October 1, 1990, through September 30, 1991.

Ten Years of Fish Distribution for Lake Trout in Great Lakes

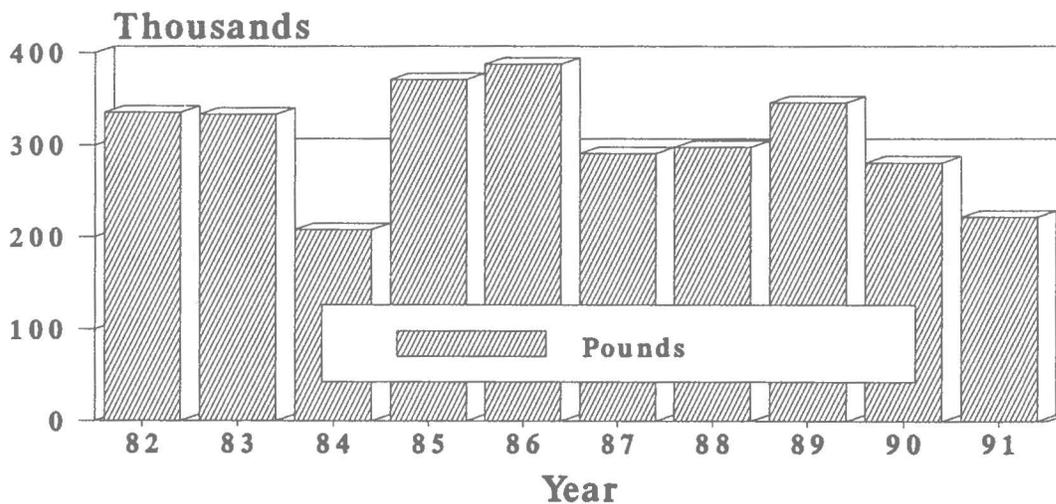
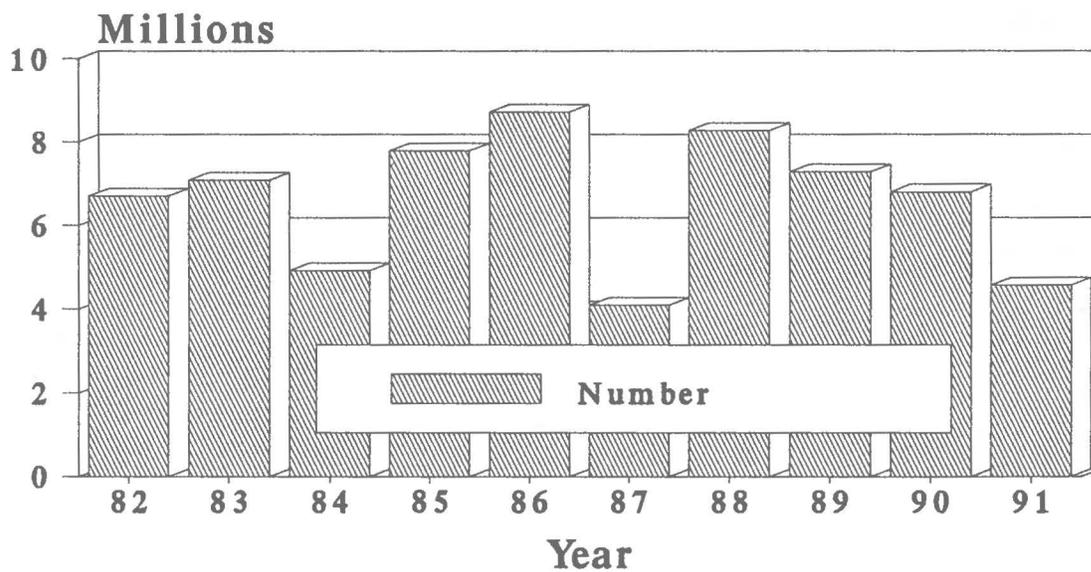


Table 1. Fish and Fish Egg Distribution By National Fish Hatchery

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Abernathy STC, WA -Coldwater species	1,696,754	45,672	1,115,837
Alchesay/ Williams Creek NFH, AZ -Coldwater species	1,095,466	133,978	0
Allegheny NFH, PA -Coldwater species	1,412,849	124,457	756,600
Bears Bluff NFH, SC -Warmwater species	5,142	556	0
Berkshire NFH, MA -Coldwater species	0	0	345,047
Bo Ginn NFH/AQ, GA -Warmwater species	1,684,858	15,285	0
Bowden NFH, WV -Coldwater species	307,533	124,152	0
-Warmwater species	31,213	2,242	0
Bozeman FTC, MT -Coldwater species	59,728	3,634	0
-Coolwater species	829	146	0
Carbon Hill NFH, AL -Coolwater species	403,320	128	0
-Warmwater species	155,070	3,218	0
Carson NFH, WA -Coldwater species	2,435,609	133,373	2,371,500
Chattahoochee Forest NFH, GA -Coldwater species	994,417	106,645	0
Coleman NFH, CA -Coldwater species	24,732,389	348,693	1,259,936
Craig Brook NFH, ME -Coldwater species	378,662	26,163	2,169,625

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Creston NFH, MT			
-Coldwater species	905,099	76,728	6,338,253
-Warmwater species	100	150	0
Dale Hollow NFH, TN			
-Coldwater species	911,587	202,434	0
Dexter NFH, NM			
-Coolwater species	227,105	2,209	30,000
-Warmwater species	507	4	0
Dworshak NFH, ID			
-Coldwater species	5,109,909	531,463	4,407,750
Eagle Creek NFH, OR			
-Coldwater species	4,309,953	260,836	406,443
Edenton NFH, NC			
-Warmwater species	186,879	9,918	0
Ennis NFH, MT			
-Coldwater species	31,868	38,090	25,083,954
Entiat NFH, WA			
-Coldwater species	1,231,079	46,367	0
Erwin NFH, TN			
-Coldwater species	127,770	48,465	8,265,708
Garrison Dam NFH, ND			
-Coldwater species	1,184,245	101,169	1,883,380
-Coolwater species	12,625,352	8,873	0
-Warmwater species	1,875,054	1,202	1,500,000
Gavins Point NFH, SD			
-Coldwater species	31,595	7,887	0
-Coolwater species	28,789,325	1,866	19,501,000
-Warmwater species	1,639,643	18,641	450,000
Genoa NFH, WI			
-Coldwater species	33,662	4,673	0
-Coolwater species	41,131,120	846	0
-Warmwater species	478,608	4,430	0
Green Lake NFH, ME			
-Coldwater species	1,448,582	121,532	1,381,174

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Greers Ferry NFH, AR -Coldwater species	1,047,052	218,563	0
Hagerman NFH, ID -Coldwater species	2,018,953	354,380	0
Harrison Lake NFH, VA -Warmwater species	279,044	16,029	0
Hiawatha Forest NFH, MI -Coldwater species	791,535	30,193	0
Hotchkiss NFH, CO -Coldwater species	1,824,679	117,331	0
Inks Dam NFH, TX -Coldwater species	3,300	866	0
	890,410	45,422	0
Iron River NFH, WI -Coldwater species	1,569,174	72,687	0
Jackson NFH, WY -Coldwater species	660,532	54,871	0
Jones Hole NFH, UT -Coldwater species	1,073,572	113,689	0
Jordan River NFH, MI -Coldwater species	3,001,400	148,885	0
Kooskia NFH, ID -Coldwater species	701,454	33,437	2,178
Lahontan NFH, NV -Coldwater species	889,003	48,601	0
Lamar NFH, PA -Coldwater species	96,871	62,840	0
	44,944	887	0
Leadville NFH, CO -Coldwater species	471,693	89,941	0
Leavenworth NFH, WA -Coldwater species	3,520,884	156,735	0

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Little White Salmon/ Willard NFH, WA -Coldwater species	9,390,621	283,563	0
Makah NFH, WA -Coldwater species	360,911	3,913	0
Mammoth Spring NFH, AR -Coolwater species	353,025	288	0
-Warmwater species	1,374,348	2,019	0
Mckinney Lake NFH, NC -Warmwater species	472,132	18,515	0
Meridian NFH, MS -Warmwater species	3,369,500	7,126	0
Mescalero NFH, NM -Coldwater species	513,985	108,691	0
Nashua NFH, NH -Coldwater species	142,838	39,958	916,700
Natchitoches NFH, LA -Warmwater species	2,616,293	24,253	0
Neosho NFH, MO -Coldwater species	428,455	29,769	0
Norfork NFH, AR -Coldwater species	1,755,451	320,053	0
North Attleboro NFH, MA -Coldwater species	1,253,776	20,127	0
-Coolwater species	10,266	85	0
-Warmwater species	37,940	1,270	0
Orangeburg NFH, SC -Warmwater species	1,756,191	17,417	0
Pittsford NFH, VT -Coldwater species	319,424	16,783	0
Private John Allen NFH, MS -Warmwater species	282,661	2,430	0

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Quilcene NFH, WA -Coldwater species	3,400,051	76,533	40,000
Quinalt NFH, WA -Coldwater species	3,765,962	104,349	1,694,049
Richard Cronin NSS, MA -Coldwater species	0	0	713,104
San Marcos FTC/NFH, TX -Warmwater species	33,061	1,364	0
Saratoga NFH, WY -Coldwater species	164,171	12,601	9,837,626
Senecaville NFH, OH -Warmwater species	295,324	23,708	0
Spring Creek NFH, WA -Coldwater species	14,918,706	219,363	0
Tishomingo NFH, OK -Warmwater species	2,196,102	81,039	0
Uvalde NFH, TX -Warmwater species	1,250,585	45,506	0
Valley City/ Baldhill Dam NFH, ND -Coolwater species	4,104,642	2,090	0
-Warmwater species	1,150,534	1,880	0
Walhalla NFH, SC -Coldwater species	1,530,994	182,209	0
Warm Springs NFH, GA -Warmwater species	18,821	3,027	0
Warm Springs NFH, OR -Coldwater species	876,755	60,321	0
Welaka NFH, FL -Warmwater species	1,754,081	3,873	0
White River NFH, VT -Coldwater species	1,457,213	74,347	0

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
White Sulphur Springs NFH, WV -Coldwater species	111,204	37,857	0
Willow Beach NFH, AZ -Coldwater species	737,282	198,513	0
Winthrop NFH, WA -Coldwater species	1,637,820	60,207	0
Wolf Creek NFH, KY -Coldwater species	796,173	224,475	0
<hr/>			
Total Coldwater Species	109,670,650	6,063,062	68,988,864
Total Coolwater Species	87,644,984	16,531	19,531,000
Total Warmwater Species	23,879,045	351,411	1,950,000
Grand Total	221,194,679	6,431,004	90,469,864

Table 2. Fish And Fish Egg Distribution By Species

Species	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
<u>Coldwater Species</u>			
-Apache trout	373,047	54,098	0
-Atlantic salmon	4,732,826	281,780	5,525,650
-Brook trout	356,717	36,327	0
-Brown trout	1,676,254	146,606	4,861,554
-Chum salmon	2,817,592	5,916	0
-Coho salmon	8,871,995	466,823	1,108,275
-Cutthroat trout	2,013,620	164,086	235,311
-Fall chinook salmon	46,117,967	458,665	4,884,927
-Golden trout	13,485	172	0
-Lake trout	6,922,941	367,377	5,497,361
-Landlocked Atlantic salmon	206,638	13,240	0
-Late fall chinook salmon	204,576	14,664	0
-Rainbow trout	13,053,969	2,285,785	39,687,915
-Spring chinook salmon	14,759,197	681,388	3,620,121
-Steelhead	7,168,601	1,084,785	3,567,750
-Summer chinook salmon	379,939	1,333	0
-Winter chinook salmon	1,286	17	0
Total Coldwater Species	109,670,650	6,063,062	68,988,864
<u>Coolwater Species</u>			
-Bonytail chub	44,315	1,373	30,000
-Colorado squawfish	95,000	5	0
-Muskellunge	46,092	136	0
-Northern pike	17,288,701	4,997	2,565,000
-Razorback sucker	87,790	831	0
-Sauger	3,771,000	75	0
-Saugeye	432,825	166	0
-Tiger muskellunge	65,550	56	0
-Walleye	65,813,651	8,879	16,936,000
-Yellow perch	60	13	0
Total Coolwater Species	87,644,984	16,531	19,531,000
<u>Warmwater Species</u>			
-Beautiful shiner	65	1	0
-Black bullhead	10,740	77	0
-Black crappie	1,359,806	781	1,500,000

Table 2. (Continued) Fish And Fish Egg Distribution By Species

Species	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
<u>Warmwater Species (Continued)</u>			
-Blue catfish	430,891	13,994	0
-Bluegill	5,015,834	6,312	0
-Bowfin	45	1	0
-Carp	600	2,400	0
-Channel catfish	3,600,253	194,924	0
-Desert pupfish	407	2	0
-Fathead minnow	100	1	0
-Flathead catfish	15,600	8	0
-Gila topminnow	35	1	0
-Goldfish	21,137	618	0
-Green sunfish	294	15	0
-Guadalupe bass	218	401	0
-Largemouth bass	4,156,463	4,723	0
-Paddlefish	676,912	11,362	450,000
-Palmetto bass	64,480	496	0
-Redbreast sunfish	783,000	403	0
-Redear sunfish	1,824,558	2,196	0
-Shortnose sturgeon	10,439	145	0
-Smallmouth bass	887,483	970	0
-Striped bass	4,989,669	111,558	0
-Western mosquitofish	30,000	20	0
-White crappie	16	2	0
Total Warmwater Species	23,879,045	351,411	1,950,000
<hr/>			
Grand Total	221,194,679	6,431,004	90,469,864
<hr/>			

Table 3. Fish and Fish Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Alabama			
-Coldwater species	10,604	3,103	117,354
-Warmwater species	71,007	600	0
Arizona			
-Coldwater species	1,668,458	296,684	2,591,313
-Coolwater species	94,562	2,198	0
-Warmwater species	445,379	17,390	0
Arkansas			
-Coldwater species	2,364,398	412,335	5,111,871
-Coolwater species	85,868	77	0
-Warmwater species	1,273,279	1,705	0
California			
-Coldwater species	24,808,789	367,928	1,363,176
Colorado			
-Coldwater species	1,984,911	192,624	5,163,564
-Coolwater species	75,750	6	0
-Warmwater species	708,150	15,623	0
Connecticut			
-Coldwater species	136,779	28,061	13,830
Florida			
-Warmwater species	399,384	4,279	0
Georgia			
-Coldwater species	1,999,780	146,967	790,982
-Warmwater species	459,288	9,751	0
Idaho			
-Coldwater species	7,964,155	963,020	9,296,429
-Coolwater species	100,000	1	0
Illinois			
-Coldwater species	104,500	5,661	306,451
-Coolwater species	8,600,000	133	2,500,000
-Warmwater species	122,790	190	0
Indiana			
-Coldwater species	0	0	21,000

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Iowa			
-Coldwater species	1,500	177	0
-Coolwater species	7,910,650	156	0
-Warmwater species	6,327	1,406	0
Kansas			
-Coolwater species	600,000	2	0
-Warmwater species	78,900	53	0
Kentucky			
-Coldwater species	702,353	221,434	1,616,126
Louisiana			
-Warmwater species	2,501,817	20,562	0
Maine			
-Coldwater species	1,824,958	145,170	2,166,625
-Warmwater species	10,961	338	0
Maryland			
-Coldwater species	20,255	11,255	3,700
-Warmwater species	568,306	44,364	0
Massachusetts			
-Coldwater species	284,205	72,850	838,845
-Warmwater species	70	2	0
Michigan			
-Coldwater species	3,928,105	185,548	7,562,878
Minnesota			
-Coldwater species	134,602	5,664	233,449
-Coolwater species	829	146	0
-Warmwater species	8,500	34	0
Mississippi			
-Warmwater species	3,624,781	9,613	0
Missouri			
-Coldwater species	590,532	76,970	600,518
-Coolwater species	0	0	2,500,000
-Warmwater species	25,000	21	0

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Montana			
-Coldwater species	871,120	70,999	3,296,904
-Coolwater species	2,228,500	47	8,738,000
-Warmwater species	78,100	901	0
Nebraska			
-Coldwater species	14,595	3,884	298,923
-Coolwater species	20,856,594	846	0
-Warmwater species	439,422	1,739	0
Nevada			
-Coldwater species	889,003	48,601	811,011
-Warmwater species	41,800	30	0
New Hampshire			
-Coldwater species	1,334,338	14,738	1,760,068
New Jersey			
-Coldwater species	25,950	15,197	0
New Mexico			
-Coldwater species	948,746	134,192	732,601
-Coolwater species	5,000	1	0
-Warmwater species	682,317	51,458	0
New York			
-Coldwater species	1,376,302	94,050	343,463
-Coolwater species	10,266	85	0
-Warmwater species	188,000	766	0
North Carolina			
-Coldwater species	35,535	15,478	1,616,645
-Warmwater species	329,709	8,445	0
North Dakota			
-Coldwater species	1,180,445	100,669	2,416,254
-Coolwater species	15,663,894	10,652	4,763,000
-Warmwater species	2,951,588	3,045	1,500,000
Ohio			
-Warmwater species	7,500	1	0

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Oklahoma			
-Coldwater species	136,028	37,481	0
-Coolwater species	6,175,400	81	0
-Warmwater species	1,811,493	60,408	150,000
Oregon			
-Coldwater species	5,285,529	325,940	3,262,280
Pennsylvania			
-Coldwater species	201,330	78,850	655,016
-Coolwater species	100,000	1	0
Rhode Island			
-Coldwater species	147,039	6,925	0
South Carolina			
-Coldwater species	614,351	145,120	1,996,915
-Warmwater species	4,354,044	26,003	0
South Dakota			
-Coldwater species	20,800	4,503	533,197
-Coolwater species	2,319,581	1,248	30,000
-Warmwater species	760,756	11,278	0
Tennessee			
-Coldwater species	998,318	232,126	4,582,192
-Coolwater species	673,020	340	0
-Warmwater species	169,150	6,500	0
Texas			
-Coldwater species	189,089	55,816	0
-Coolwater species	0	0	1,000,000
-Warmwater species	680,651	18,384	300,000
Utah			
-Coldwater species	773,327	104,974	1,343,006
-Warmwater species	176,070	2,396	0
Vermont			
-Coldwater species	1,165,974	24,115	2,237,472

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Virginia			
-Coldwater species	0	0	153,975
-Warmwater species	314,760	18,619	0
Washington			
-Coldwater species	42,276,220	1,125,294	2,803,845
West Virginia			
-Coldwater species	393,738	156,395	146,625
-Warmwater species	1,030	30	0
Wisconsin			
-Coldwater species	1,228,464	59,988	1,672,890
-Coolwater species	19,145,070	485	0
-Warmwater species	330,946	2,795	0
Wyoming			
-Coldwater species	1,035,485	72,268	527,471
-Coolwater species	3,000,000	26	0
-Warmwater species	257,770	12,682	0
Total U.S. Distribution			
Total Coldwater Species	109,670,610	6,063,054	68,988,864
Total Coolwater Species	87,644,984	16,531	19,531,000
Total Warmwater Species	23,879,045	351,411	1,950,000
Total Foreign Distribution			
Total Coldwater Species	40	8	0
Grand Total	221,194,679	6,431,004	90,469,864

Table 4. Fish and Fish Egg Distribution By Program/Area Of Interest

Program/Area of Interest	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Atlantic Salmon Restoration Program	4,710,058	277,775	5,522,650
Endangered Species Program	1,347,383	105,678	0
Farm Pond Program	1,393,500	1,393	0
Fish and Wildlife Service Lands	7,908,372	28,565	177,120
Great Lakes Lake Trout Program	4,564,474	221,518	0
Indian Tribal Program	21,867,876	587,247	2,324,447
Inland Restoration/Mitigation	79,101,552	2,519,455	19,987,571
Military Lands	861,592	125,137	0
Pacific Salmon and Steelhead Program	79,738,060	2,700,307	11,256,693
Research and Education	1,180,520	40,792	1,020,622
Striped Bass Restoration Program	4,203,240	106,150	0

SPECIES SHIPPED

The following list represents the general groups and scientific names of fishes produced and distributed to meet fisheries activity responsibilities. The nomenclature used is that established in the American Fisheries Society Special Publication 20, Common and Scientific Names of Fishes from the United States and Canada, Fifth Edition, 1991.

<u>MAJOR GROUP AND COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Coldwater	
Apache trout.....	<u>Oncorhynchus apache</u>
Atlantic salmon.....	<u>Salmo salar</u>
Brook trout.....	<u>Salvelinus fontinalis</u>
Brown trout.....	<u>Salmo trutta</u>
Chinook salmon.....	<u>Oncorhynchus tshawytscha</u>
Chum salmon.....	<u>Oncorhynchus keta</u>
Coho salmon.....	<u>Oncorhynchus kisutch</u>
Cutthroat trout.....	<u>Oncorhynchus clarki</u>
Golden trout.....	<u>Oncorhynchus aguabonita</u>
Greenback cutthroat.....	<u>Oncorhynchus clarki stomias</u>
Lahontan cutthroat.....	<u>Oncorhynchus clarki henshawi</u>
Lake trout.....	<u>Salvelinus namaycush</u>
Rainbow trout.....	<u>Oncorhynchus mykiss</u>
Steelhead.....	<u>Oncorhynchus mykiss</u>
Coolwater	
Bonytail.....	<u>Gila elegans</u>
Colorado squawfish.....	<u>Ptychocheilichthys lucius</u>
Muskellunge.....	<u>Esox masquinongy</u>
Northern pike.....	<u>Esox lucius</u>
Razorback sucker.....	<u>Xyrauchen texanus</u>
Sauger.....	<u>Stizostedion canadense</u>
Saugeye.....	<u>Stizostedion vitreum X</u> <u>Stizostedion canadense</u>
Tiger muskellunge.....	<u>Esox lucias X Esox masquinongy</u>
Walleye.....	<u>Stizostedion vitreum</u>
Yellow perch.....	<u>Perca flavescens</u>

SPECIES SHIPPED (Continued)

<u>MAJOR GROUP AND COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Warmwater	
Beautiful shiner.....	<u>Cyprinella formosa</u>
Black bullhead.....	<u>Ameiurus melas</u>
Black crappie.....	<u>Pomoxis nigromaculatus</u>
Blue catfish.....	<u>Ictalurus furcatus</u>
Bluegill.....	<u>Lepomis microchirus</u>
Bowfin.....	<u>Amia calva</u>
Carp.....	<u>Cyprinus carpio</u>
Channel catfish.....	<u>Ictalurus punctatus</u>
Desert pupfish.....	<u>Cyprinodon macularius</u>
Fathead minnow.....	<u>Pimephales promelas</u>
Flathead catfish.....	<u>Pylodictis olivaris</u>
Gila topminnow.....	<u>Poeciliopsis occidentalis</u>
Goldfish.....	<u>Carassius auratus</u>
Green sunfish.....	<u>Lepomis cyanellus</u>
Guadalupe bass.....	<u>Micropterus treculi</u>
Largemouth bass.....	<u>Micropterus salmoides</u>
Paddlefish.....	<u>Polyodon spathula</u>
Palmetto bass.....	<u>Morone chrysops X</u> <u>Morone saxatilis</u>
Redbreast sunfish.....	<u>Lepomis auritus</u>
Redear sunfish.....	<u>Lepomis microlophus</u>
Shortnose sturgeon.....	<u>Acipenser brevirostrum</u>
Smallmouth bass.....	<u>Micropterus dolomieu</u>
Striped bass.....	<u>Morone saxatilis</u>
Western mosquitofish.....	<u>Gambusia affinis</u>
White crappie.....	<u>Pomoxis annularis</u>

Listing of Fish and Wildlife Service Regional Offices

Region 1 - Eastside Federal Complex
911 N.E. 11th Avenue
Portland, Oregon 97232-4181

Office Location: 4th Floor

Areas - California, Hawaii, Idaho, Nevada, Oregon, Washington, and the Pacific Trust Territories

Region 2 - U.S.Courthouse & Federal Building
P.O. Box 1306
Albuquerque, New Mexico 87103

Office Location: Room 3118,
500 Gold Street, S.W.
Albuquerque, New Mexico

Areas - Arizona, New Mexico, Oklahoma, and Texas

Region 3 - Federal Building
Room 646E, Fort Snelling
Twin Cities, Minnesota 55111

Office Location: Same

Areas - Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin

Region 4 - Richard B. Russell Federal Building
Room 1290, 75 Spring Street, SW
Atlanta, Georgia 30303

Office Location: Same

Areas - Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico, and the Virgin Islands

Region 5 - One Gateway Center, Suite 700
Newton Corner, Massachusetts 02158

Office Location: Same

Areas - Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia, and Washington, D.C.

Region 6 - Denver Federal Center
P.O. Box 25486
Denver, Colorado 80225

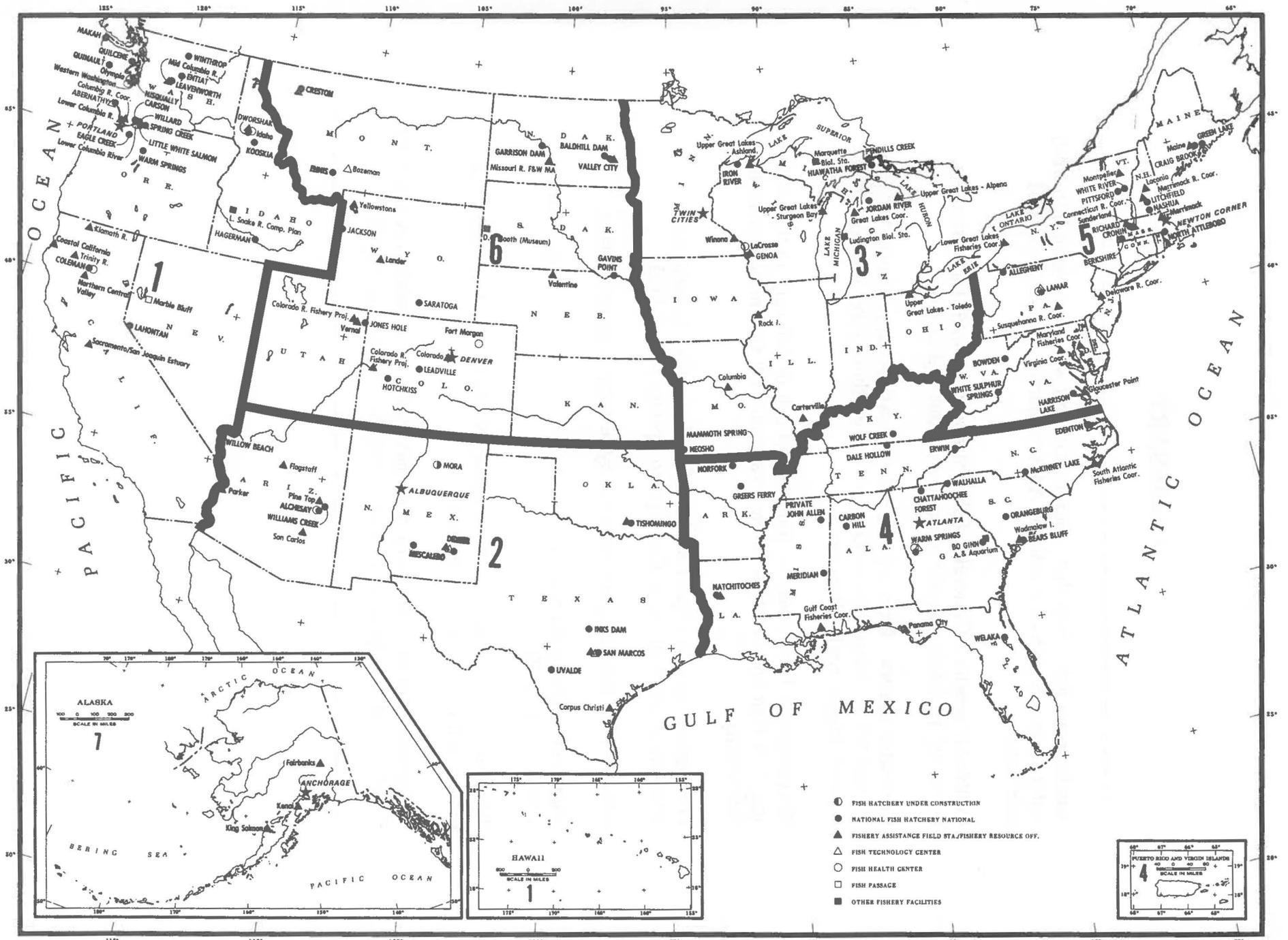
Office Location: Third Floor
134 Union Blvd.,
Lakewood, Colorado

Areas - Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, and Wyoming

Region 7 - 1011 E. Tudor Road
Anchorage, Alaska 99503
Areas - Alaska

Office Location: Same

Copies of National and State Listing of Fisheries Offices are available from the Office of Administration - Fisheries at the address given on page one of this publication.



COMPILED IN THE DIVISION OF REALTY

SCALE IN MILES
100 0 100 200 300

★ REGIONAL OFFICE ■ REGIONAL BOUNDARY

GLOSSARY

Anadromous fish - Fish that migrate from salt water upstream into fresh water to spawn such as Pacific or Atlantic salmon, striped bass, and steelhead.

Coldwater species - Generally, fish that spawn in water temperatures below 55° F. Main cultured species are trout and salmon.

Coolwater species - Generally, fish that spawn in temperatures between 40° and 60° F. Main cultured species are northern pike, muskellunge, walleye, sauger, and yellow perch.

Distribution - The release or transport of fish or fish eggs to the wild or non- U.S Fish and Wildlife Service National Fish Hatcheries for further fish rearing.

Endangered species - Species of fish listed as either endangered or threatened under the U.S. Endangered Species Act of 1973.

Inland - Fish that complete their life cycle entirely in fresh water.

Shipment - All distribution and transfers of fish and fish eggs from a National Fish Hatchery.

Transfer - The shipment of fish between National Fish Hatcheries for further fish rearing or distribution.

Warmwater species - Generally, fish that spawn at temperatures above 60° F. Main cultured species are bass, sturgeon, sunfish, and catfish.

CONVERSION TABLE

Metric to U.S. Customary

<u>Multiply:</u>	<u>By:</u>	<u>To Obtain:</u>
millimeters (mm)	0.03937	inches
centimeters (cm)	0.3937	inches
meters (m)	3.281	feet
kilometers (km)	0.6214	miles
square meters (m ²)	10.76	square feet
square kilometers (km ²)	0.3861	square miles
hectares (ha)	2.471	acres
liters (l)	0.2642	gallons
cubic meters (m ³)	35.31	cubic feet
cubic meters	0.0008110	acre-feet
milligrams (mg)	0.00003527	ounces
grams (g)	0.03527	ounces
kilograms (kg)	2.205	pounds
metric tons (t)	2205.0	pounds
metric tons	1.102	short tons
kilocalories (kcal)	3.968	BTUs
Celsius degrees	1.8(°C)+32	Fahrenheit degrees

U.S. Customary to Metric

<u>Multiply:</u>	<u>By:</u>	<u>To Obtain:</u>
inches	25.40	millimeters
inches	2.54	centimeters
feet (ft)	0.3048	meters
fathoms	1.829	meters
miles (mi)	1.609	kilometers
nautical miles (nmi)	1.852	kilometers
square feet (ft ²)	0.0929	square meters
acres	0.4047	hectares
square miles (mi ²)	2.590	square kilometers
gallons (gal)	3.785	liters
cubic feet (ft ³)	0.02831	cubic meters
acre-feet	1233.0	cubic meters
ounces (oz)	28.35	grams
pounds (lb)	0.4536	kilograms
short tons (ton)	0.9072	metric tons
British thermal units (BTUs)	0.2520	kilocalories
Fahrenheit degrees	0.5556 (°F - 32)	Celsius degrees

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 1									
California									
Coleman NFH									
-Fall chinook salmon		23,443,049	147,944				23,443,049	147,944	1,259,936
-Late fall chinook salmon		1,189	4	203,387	14,660		204,576	14,664	
-Steelhead		384,631	3,171	698,847	182,897		1,083,478	186,068	
-Winter chinook salmon		1,286	17				1,286	17	
Total Distributed		23,830,155	151,136	902,234	197,557		24,732,389	348,693	1,259,936
Idaho									
Dworshak NFH									
-Spring chinook salmon		2,450,618	78,151				2,450,618	78,151	840,000
-Steelhead				2,659,291	453,312		2,659,291	453,312	3,567,750
Total Distributed		2,450,618	78,151	2,659,291	453,312		5,109,909	531,463	4,407,750
Hagerman NFH									
-Rainbow trout				156,814	16,093		156,814	16,093	
-Steelhead		425,230	12,630	1,436,909	325,657		1,862,139	338,287	
-Steelhead (t)		527,074	13,066				527,074	13,066	
Total Distributed		425,230	12,630	1,593,723	341,750		2,018,953	354,380	
Total Transferred		527,074	13,066				527,074	13,066	
Kooskia NFH									
-Spring chinook salmon		320,281	13,480	381,173	19,957		701,454	33,437	2,178
Total Distributed		320,281	13,480	381,173	19,957		701,454	33,437	2,178
Nevada									
Lahontan NFH									
-Cutthroat trout		739,669	38,569	149,334	10,032		889,003	48,601	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 1 (Continued)									
Nevada (Continued)									
Lahontan NFH (Continued)									
Total Distributed			739,669	38,569	149,334	10,032	889,003	48,601	
Oregon									
Eagle Creek NFH									
-Coho salmon			180,307	9,255	3,214,995	218,433	3,395,302	227,688	
-Spring chinook salmon			556,814	650			556,814	650	406,443
-Steelhead			150,519	2,499	207,318	29,999	357,837	32,498	
Total Distributed			887,640	12,404	3,422,313	248,432	4,309,953	260,836	406,443
Warm Springs NFH									
-Spring chinook salmon					876,755	60,321	876,755	60,321	
Total Distributed					876,755	60,321	876,755	60,321	
Washington									
Abernathy STC									
-Chum salmon			157,798	539			157,798	539	
-Fall chinook salmon			1,538,956	45,133			1,538,956	45,133	1,115,837
Total Distributed			1,696,754	45,672			1,696,754	45,672	1,115,837
Carson NFH									
-Spring chinook salmon			98,821	4,783	2,336,788	128,590	2,435,609	133,373	2,371,500
-Spring chinook salmon (t)	122,500	88	100,890	774			223,390	862	
Total Distributed			98,821	4,783	2,336,788	128,590	2,435,609	133,373	2,371,500
Total Transferred	122,500	88	100,890	774			223,390	862	
Entiat NFH									
-Spring chinook salmon			1,231,079	46,367			1,231,079	46,367	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 1 (Continued)									
Washington (Continued)									
Entiat NFH (Continued)									
Total Distributed			1,231,079	46,367			1,231,079	46,367	
Leavenworth NFH									
-Spring chinook salmon	310,000	350	2,716,842	139,633			3,026,842	139,983	
-Steelhead					114,103	15,419	114,103	15,419	
-Summer chinook salmon			379,939	1,333			379,939	1,333	
Total Distributed	310,000	350	3,096,781	140,966	114,103	15,419	3,520,884	156,735	
Little White Salmon/ Willard NFH									
-Coho salmon			10,267	246	2,573,323	176,255	2,583,590	176,501	
-Fall chinook salmon			5,781,406	46,771			5,781,406	46,771	
-Spring chinook salmon			5,903	212	1,019,722	60,079	1,025,625	60,291	
-Spring chinook salmon (t)	506,352	316					506,352	316	
Total Distributed			5,797,576	47,229	3,593,045	236,334	9,390,621	283,563	
Total Transferred	506,352	316					506,352	316	
Makah NFH									
-Coho salmon	250,000	208	60,911	3,583			310,911	3,791	
-Fall chinook salmon			50,000	122			50,000	122	
Total Distributed	250,000	208	110,911	3,705			360,911	3,913	
Quilcene NFH									
-Chum salmon			1,664,227	2,485			1,664,227	2,485	
-Coho salmon	466,210	320	619,361	2,818	352,556	23,475	1,438,127	26,613	40,000
-Fall chinook salmon			51,218	704			51,218	704	
-Spring chinook salmon			17,400	19,998	229,079	26,733	246,479	46,731	
Total Distributed	466,210	320	2,352,206	26,005	581,635	50,208	3,400,051	76,533	40,000

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
<u>Region 1 (Continued)</u>									
Washington (Continued)									
Quinalt NFH									
-Chum salmon			995,567	2,892			995,567	2,892	
-Coho salmon			1,144,065	32,230			1,144,065	32,230	1,068,275
-Fall chinook salmon			534,577	10,026			534,577	10,026	625,774
-Steelhead			898,416	44,500	193,337	14,701	1,091,753	59,201	
Total Distributed			3,572,625	89,648	193,337	14,701	3,765,962	104,349	1,694,049
Spring Creek NFH									
-Fall chinook salmon			14,348,604	197,486			14,348,604	197,486	
-Spring chinook salmon			471,402	14,285	98,700	7,592	570,102	21,877	
Total Distributed			14,820,006	211,771	98,700	7,592	14,918,706	219,363	
Winthrop NFH									
-Spring chinook salmon			1,449,838	49,328	187,982	10,879	1,637,820	60,207	
Total Distributed			1,449,838	49,328	187,982	10,879	1,637,820	60,207	
Region 1 - Total Distributed	1,026,210	878	62,880,190	971,844	17,090,413	1,795,084	80,996,813	2,767,806	11,297,693
Region 1 - Total Transferred	628,852	404	627,964	13,840			1,256,816	14,244	
Region 1 - Total Shipped	1,655,062	1,282	63,508,154	985,684	17,090,413	1,795,084	82,253,629	2,782,050	11,297,693
<u>Region 2</u>									
Arizona									
Alchesay/ Williams Creek NFH									
-Apache trout			157,936	1,022	215,111	53,076	373,047	54,098	
-Brook trout	59,400	27	117,762	1,801	42,943	4,545	220,105	6,373	
-Brown trout			70,543	305	72,708	9,509	143,251	9,814	
-Rainbow trout			81,960	683	277,103	63,010	359,063	63,693	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
<u>Region 2 (Continued)</u>									
Arizona (Continued)									
Alchesay/ Williams Creek NFH (Continued)									
Total Distributed	59,400	27	428,201	3,811	607,865	130,140	1,095,466	133,978	
Willow Beach NFH									
-Rainbow trout					737,282	198,513	737,282	198,513	
Total Distributed					737,282	198,513	737,282	198,513	
New Mexico									
Dexter NFH									
-Beautiful shiner			65	1			65	1	
-Bonytail chub			43,516	448	799	925	44,315	1,373	30,000
-Colorado squawfish	95,000	5					95,000	5	
-Desert pupfish			407	2			407	2	
-Gila topminnow			35	1			35	1	
-Razorback sucker	87,543	7			247	824	87,790	831	
Total Distributed	182,543	12	44,023	452	1,046	1,749	227,612	2,213	30,000
Mescalero NFH									
-Cutthroat trout					45,339	2,793	45,339	2,793	
-Rainbow trout			46,367	2,152	422,279	103,746	468,646	105,898	
Total Distributed			46,367	2,152	467,618	106,539	513,985	108,691	
Oklahoma									
Tishomingo NFH									
-Bluegill					510	170	510	170	
-Channel catfish	9,000	2	996,178	24,685	251,939	52,354	1,257,117	77,041	
-Flathead catfish	15,600	8					15,600	8	
-Paddlefish					2,590	287	2,590	287	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 2 (Continued)									
Oklahoma (Continued)									
Tishomingo NFH (Continued)									
-Palmetto bass	64,480	496					64,480	496	
-Smallmouth bass	444,442	481	86,425	130			530,867	611	
-Striped bass	324,938	2,426					324,938	2,426	
Total Distributed	858,460	3,413	1,082,603	24,815	255,039	52,811	2,196,102	81,039	
Texas									
Inks Dam NFH									
-Channel catfish			135,922	5,894	167,740	38,982	303,662	44,876	
-Largemouth bass	364,300	164			20	60	364,320	224	
-Paddlefish					978	58	978	58	
-Rainbow trout					3,300	866	3,300	866	
-Striped bass	120,750	112	100,700	152			221,450	264	
Total Distributed	485,050	276	236,622	6,046	172,038	39,966	893,710	46,288	
San Marcos FTC/NFH									
-Channel catfish									
-Channel catfish (t)					5,058	416	5,058	416	
-Fathead minnow			100	1			100	1	
-Green sunfish					3	8	3	8	
-Guadalupe bass					218	401	218	401	
-Largemouth bass					460	291	460	291	
-Largemouth bass (t)					98	23	98	23	
-Paddlefish					11,829	508	11,829	508	
-Striped bass			20,451	155			20,451	155	
Total Distributed			20,551	156	12,510	1,208	33,061	1,364	
Total Transferred					5,156	439	5,156	439	
Uvalde NFH									
-Channel catfish			259,412	4,306	222,302	40,033	481,714	44,339	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 2 (Continued)									
Texas (Continued)									
Uvalde NFH (Continued)									
-Goldfish			20,977	556			20,977	556	
-Largemouth bass	667,752	444			142	114	667,894	558	
-Striped bass	80,000	53					80,000	53	
Total Distributed	747,752	497	280,389	4,862	222,444	40,147	1,250,585	45,506	
Region 2 - Total Distributed	2,333,205	4,225	2,138,756	42,294	2,475,842	571,073	6,947,803	617,592	30,000
Region 2 - Total Transferred					5,156	439	5,156	439	
Region 2 - Total Shipped	2,333,205	4,225	2,138,756	42,294	2,480,998	571,512	6,952,959	618,031	30,000
Region 3									
Michigan									
Hiawatha Forest NFH									
-Lake trout			681,885	24,581	109,650	5,612	791,535	30,193	
Total Distributed			681,885	24,581	109,650	5,612	791,535	30,193	
Jordan River NFH									
-Lake trout			622,200	26,745	2,379,200	122,140	3,001,400	148,885	
-Lake trout (t)			665,700	1,868			665,700	1,868	
Total Distributed			622,200	26,745	2,379,200	122,140	3,001,400	148,885	
Total Transferred			665,700	1,868			665,700	1,868	
Pendills Creek NFH									
-Lake trout									
-Lake trout (t)	2,658,000	639					2,658,000	639	
Total Distributed							0	0	
Total Transferred	2,658,000	639					2,658,000	639	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 3 (Continued)									
Missouri									
Neosho NFH									
-Rainbow trout			337,355	2,272	91,100	27,497	428,455	29,769	
-Rainbow trout (t)			38,500	961			38,500	961	
Total Distributed			337,355	2,272	91,100	27,497	428,455	29,769	
Total Transferred			38,500	961			38,500	961	
Ohio									
Senecaville NFH									
-Striped bass					295,324	23,708	295,324	23,708	
Total Distributed					295,324	23,708	295,324	23,708	
Wisconsin									
Genoa NFH									
-Black bullhead	10,600	7			140	70	10,740	77	
-Black crappie			4,365	11			4,365	11	
-Bluegill	27,000	23	50	6			27,050	29	
-Bowfin			45	1			45	1	
-Carp					600	2,400	600	2,400	
-Channel catfish					6,327	1,406	6,327	1,406	
-Green sunfish			291	7			291	7	
-Largemouth bass	336,750	124	92,400	367	24	6	429,174	497	
-Muskellunge					40	118	40	118	
-Northern pike	8,783,000	247	8,820	14			8,791,820	261	
-Rainbow trout			7,500	332	26,162	4,341	33,662	4,673	
-Sauger	3,735,000	26					3,735,000	26	
-Sauger (t)	250,000	1					250,000	1	
-Walleye	28,604,200	428					28,604,200	428	
-Walleye (t)	500,000	11					500,000	11	
-White crappie			16	2			16	2	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 3 (Continued)									
Wisconsin (Continued)									
Genoa NFH (Continued)									
-Yellow perch					60	13	60	13	
Total Distributed	41,496,550	855	113,487	740	33,353	8,354	41,643,390	9,949	
Total Transferred	750,000	12					750,000	12	
Iron River NFH									
-Lake trout	3,600	2	461,637	19,489	1,103,937	53,196	1,569,174	72,687	
-Lake trout (t)			647,796	4,419			647,796	4,419	
Total Distributed	3,600	2	461,637	19,489	1,103,937	53,196	1,569,174	72,687	
Total Transferred			647,796	4,419			647,796	4,419	
Region 3 - Total Distributed	41,500,150	857	2,216,564	73,827	4,012,564	240,507	47,729,278	315,191	
Region 3 - Total Transferred	3,408,000	651	1,351,996	7,248			4,759,996	7,899	
Region 3 - Total Shipped	44,908,150	1,508	3,568,560	81,075	4,012,564	240,507	52,489,274	323,090	
Region 4									
Alabama									
Carbon Hill NFH									
-Channel catfish	1,500	1	78,650	2,200	6,500	650	86,650	2,851	
-Channel catfish (t)	50,000	1					50,000	1	
-Largemouth bass									
-Largemouth bass (t)			15,000	50			15,000	50	
-Saugeye	105,000	30	49,400	38			154,400	68	
-Striped bass			66,200	215	2,220	152	68,420	367	
-Striped bass (t)	100,000	50	24,000	40			124,000	90	
-Walleye	248,920	60					248,920	60	
Total Distributed	355,420	91	194,250	2,453	8,720	802	558,390	3,346	
Total Transferred	150,000	51	39,000	90			189,000	141	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 4 (Continued)									
Arkansas									
Greers Ferry NFH									
-Rainbow trout			397,640	20,295	649,412	198,268	1,047,052	218,563	
-Rainbow trout (t)	366,250	390	321,012	3,072			687,262	3,462	
Total Distributed			397,640	20,295	649,412	198,268	1,047,052	218,563	
Total Transferred	366,250	390	321,012	3,072			687,262	3,462	
Mammoth Spring NFH									
-Bluegill			711,600	637			711,600	637	
-Channel catfish			15,416	188	9,360	312	24,776	500	
-Largemouth bass			51,490	86			51,490	86	
-Paddlefish					2,169	241	2,169	241	
-Redear sunfish			467,200	465			467,200	465	
-Smallmouth bass			117,113	90			117,113	90	
-Striped bass									
-Striped bass (t)	1,860,000	4					1,860,000	4	
-Walleye			353,025	288			353,025	288	
Total Distributed			1,715,844	1,754	11,529	553	1,727,373	2,307	
Total Transferred	1,860,000	4					1,860,000	4	
Norfolk NFH									
-Brook trout					8,587	1,159	8,587	1,159	
-Brown trout	160,000	25	50,195	382	113,270	11,100	323,465	11,507	
-Cutthroat trout					109,410	9,944	109,410	9,944	
-Rainbow trout			250,958	7,132	1,063,031	290,311	1,313,989	297,443	
-Rainbow trout (t)					13,240	1,000	13,240	1,000	
Total Distributed	160,000	25	301,153	7,514	1,294,298	312,514	1,755,451	320,053	
Total Transferred					13,240	1,000	13,240	1,000	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 4 (Continued)									
Florida									
Welaka NFH									
-Bluegill			684,260	1,457			684,260	1,457	
-Channel catfish			4,000	94			4,000	94	
-Largemouth bass			206,931	243			206,931	243	
-Redear sunfish			317,540	686			317,540	686	
-Striped bass	170,000	15	335,275	452	6,075	906	511,350	1,373	
-Striped bass (t)			3,000	3	7	100	3,007	103	
-Western mosquitofish	30,000	20					30,000	20	
Total Distributed	200,000	35	1,548,006	2,932	6,075	906	1,754,081	3,873	
Total Transferred			3,000	3	7	100	3,007	103	
Georgia									
Bo Ginn NFH/AQ									
-Bluegill	515,800	578	434,064	754			949,864	1,332	
-Channel catfish			238,204	5,101	230	22	238,434	5,123	
-Channel catfish (t)	100,000	9	5,300	123	142	1,316	105,442	1,448	
-Redear sunfish	80,640	72					80,640	72	
-Shortnose sturgeon									
-Shortnose sturgeon (t)					206	107	206	107	
-Striped bass	296,964	115	87,106	698	31,850	7,945	415,920	8,758	
Total Distributed	893,404	765	759,374	6,553	32,080	7,967	1,684,858	15,285	
Total Transferred	100,000	9	5,300	123	348	1,423	105,648	1,555	
Chattahoochee Forest NFH									
-Rainbow trout			679,304	15,955	315,113	90,690	994,417	106,645	
Total Distributed			679,304	15,955	315,113	90,690	994,417	106,645	
Warm Springs NFH									
-Striped bass					18,821	3,027	18,821	3,027	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
<u>Region 4 (Continued)</u>									
Georgia (Continued)									
Warm Springs NFH (Continued)									
Total Distributed					18,821	3,027	18,821	3,027	
Kentucky									
Wolf Creek NFH									
-Brown trout			3,200	82	36,059	7,956	39,259	8,038	
-Brown trout (t)			80,000	321			80,000	321	
-Rainbow trout			93,820	3,041	663,094	213,396	756,914	216,437	
-Rainbow trout (t)			75,000	530			75,000	530	
Total Distributed			97,020	3,123	699,153	221,352	796,173	224,475	
Total Transferred			155,000	851			155,000	851	
Louisiana									
Matchitoches NFH									
-Blue catfish			427,496	12,704	3,395	1,290	430,891	13,994	
-Blue catfish (t)	79,900	12					79,900	12	
-Bluegill			10,816	34			10,816	34	
-Channel catfish	66,400	11	329,152	5,894	25	125	395,577	6,030	
-Channel catfish (t)	112,800	13	42,750	750			155,550	763	
-Largemouth bass	722,512	433	4,222	206	6,948	572	733,682	1,211	
-Paddlefish					3,385	141	3,385	141	
-Paddlefish (t)	280,000	14			684	114	280,684	128	
-Striped bass	1,022,446	1,169			19,496	1,674	1,041,942	2,843	
Total Distributed	1,811,358	1,613	771,686	18,838	33,249	3,802	2,616,293	24,253	
Total Transferred	472,700	39	42,750	750	684	114	516,134	903	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 4 (Continued)									
Mississippi									
Meridian NFH									
-Bluegill			2,156,350	2,106			2,156,350	2,106	
-Largemouth bass			236,000	311			236,000	311	
-Redear sunfish			924,150	924			924,150	924	
-Striped bass			53,000	3,785			53,000	3,785	
Total Distributed			3,369,500	7,126			3,369,500	7,126	
Private John Allen NFH									
-Channel catfish					27,050	1,450	27,050	1,450	
-Largemouth bass			61,000	61			61,000	61	
-Paddlefish									
-Paddlefish (t)	170,000	40					170,000	40	
-Striped bass			180,000	150	14,611	769	194,611	919	
Total Distributed			241,000	211	41,661	2,219	282,661	2,430	
Total Transferred	170,000	40					170,000	40	
North Carolina									
Edenton NFH									
-Striped bass	79,461	112			107,418	9,806	186,879	9,918	
-Striped bass (t)	269,684	277					269,684	277	
Total Distributed	79,461	112			107,418	9,806	186,879	9,918	
Total Transferred	269,684	277					269,684	277	
Mckinney Lake NFH									
-Bluegill	80,000	91					80,000	91	
-Goldfish			150	37	10	25	160	62	
-Largemouth bass	105,200	52	12,000	20			117,200	72	
-Largemouth bass (t)					35	45	35	45	
-Striped bass	72,525	97	37	3	202,210	18,190	274,772	18,290	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
<u>Region 4 (Continued)</u>									
North Carolina (Continued)									
Mckinney Lake NFH (Continued)									
Total Distributed	257,725	240	12,187	60	202,220	18,215	472,132	18,515	
Total Transferred					35	45	35	45	
South Carolina									
Bears Bluff NFH									
-Striped bass					5,142	556	5,142	556	
Total Distributed					5,142	556	5,142	556	
Orangeburg NFH									
-Redbreast sunfish	783,000	403					783,000	403	
-Shortnose sturgeon	10,000	1			439	144	10,439	145	
-Shortnose sturgeon (t)	10,000	2					10,000	2	
-Striped bass	743,587	637	219,035	16,089	130	143	962,752	16,869	
Total Distributed	1,536,587	1,041	219,035	16,089	569	287	1,756,191	17,417	
Total Transferred	10,000	2					10,000	2	
Walhalla NFH									
-Brown trout			157,800	2,671	82,567	23,256	240,367	25,927	
-Rainbow trout			927,012	34,392	363,615	121,890	1,290,627	156,282	
Total Distributed			1,084,812	37,063	446,182	145,146	1,530,994	182,209	
Tennessee									
Dale Hollow NFH									
-Brown trout					92,901	21,413	92,901	21,413	
-Lake trout			69,606	4,289			69,606	4,289	
-Rainbow trout			160,034	6,131	589,046	170,601	749,080	176,732	
-Rainbow trout (t)			895,025	5,280	39,572	4,207	934,597	9,487	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
<u>Region 4 (Continued)</u>									
Tennessee (Continued)									
Dale Hollow NFH (Continued)									
Total Distributed			229,640	10,420	681,947	192,014	911,587	202,434	
Total Transferred			895,025	5,280	39,572	4,207	934,597	9,487	
Erwin NFH									
-Rainbow trout			80,986	1,298	46,784	47,167	127,770	48,465	8,265,708
-Rainbow trout (t)			33,921	531	5,342	10,270	39,263	10,801	
Total Distributed			80,986	1,298	46,784	47,167	127,770	48,465	8,265,708
Total Transferred			33,921	531	5,342	10,270	39,263	10,801	
Region 4 - Total Distributed	5,293,955	3,922	11,701,437	151,684	4,600,373	1,255,291	21,595,765	1,410,897	8,265,708
Region 4 - Total Transferred	3,398,634	812	1,495,008	10,700	59,228	17,159	4,952,870	28,671	
Region 4 - Total Shipped	8,692,589	4,734	13,196,445	162,384	4,659,601	1,272,450	26,548,635	1,439,568	8,265,708
<u>Region 5</u>									
Massachusetts									
Berkshire NFH									
-Atlantic salmon									345,047
Total Distributed							0	0	345,047
North Attleboro NFH									
-Atlantic salmon	1,098,394	378	86,567	1,368	68,815	18,381	1,253,776	20,127	
-Striped bass			37,940	1,270			37,940	1,270	
-Walleye			10,266	85			10,266	85	
Total Distributed	1,098,394	378	134,773	2,723	68,815	18,381	1,301,982	21,482	
Richard Cronin NSS									
-Atlantic salmon									713,104

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 5 (Continued)									
Massachusetts (Continued)									
Richard Cronin NSS (Continued)									
Total Distributed							0	0	713,104
Maine									
Craig Brook NFH									
-Atlantic salmon	104,010	74	105,078	3,156	169,574	22,933	378,662	26,163	2,169,625
Total Distributed	104,010	74	105,078	3,156	169,574	22,933	378,662	26,163	2,169,625
Green Lake NFH									
-Atlantic salmon	312,960	214	479,733	13,626	653,644	107,326	1,446,337	121,166	1,381,174
-Lake trout	60	1					60	1	
-Landlocked Atlantic salmon	60	1			2,125	364	2,185	365	
Total Distributed	313,080	216	479,733	13,626	655,769	107,690	1,448,582	121,532	1,381,174
New Hampshire									
Nashua NFH									
-Atlantic salmon			49,650	621	93,188	39,337	142,838	39,958	916,700
Total Distributed			49,650	621	93,188	39,337	142,838	39,958	916,700
Pennsylvania									
Allegheny NFH									
-Lake trout			316,000	8,731	1,052,349	90,279	1,368,349	99,010	756,600
-Lake trout (t)					550	1,375	550	1,375	
-Rainbow trout					44,500	25,447	44,500	25,447	
-Rainbow trout (t)			90,496	448			90,496	448	
Total Distributed			316,000	8,731	1,096,849	115,726	1,412,849	124,457	756,600
Total Transferred			90,496	448	550	1,375	91,046	1,823	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
<u>Region 5 (Continued)</u>									
Pennsylvania (Continued)									
Lamar NFH									
-Rainbow trout			120	2	96,751	62,838	96,871	62,840	
-Striped bass			44,944	887			44,944	887	
Total Distributed			45,064	889	96,751	62,838	141,815	63,727	
Virginia									
Harrison Lake NFH									
-Black crappie			3,000	3			3,000	3	
-Bluegill					50	100	50	100	
-Channel catfish			41,125	1,892	11	77	41,136	1,969	
-Largemouth bass					30	60	30	60	
-Redear sunfish	35,000	35			28	14	35,028	49	
-Striped bass	27,000	18	172,800	13,830			199,800	13,848	
-Striped bass (t)	203,500	115	57,000	108			260,500	223	
Total Distributed	62,000	53	216,925	15,725	119	251	279,044	16,029	
Total Transferred	203,500	115	57,000	108			260,500	223	
Vermont									
Pittsford NFH									
-Atlantic salmon	54,000	19					54,000	19	
-Lake trout					60,971	3,889	60,971	3,889	
-Landlocked Atlantic salmon			90,051	5,197	114,402	7,678	204,453	12,875	
Total Distributed	54,000	19	90,051	5,197	175,373	11,567	319,424	16,783	
White River NFH									
-Atlantic salmon	624,045	321	503,319	9,907	329,849	64,119	1,457,213	74,347	
-Atlantic salmon (t)			550	23			550	23	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 5 (Continued)									
Vermont (Continued)									
White River NFH (Continued)									
Total Distributed	624,045	321	503,319	9,907	329,849	64,119	1,457,213	74,347	
Total Transferred			550	23			550	23	
West Virginia									
Bowden NFH									
-Brook trout			4,210	104	37,830	18,699	42,040	18,803	
-Brown trout	20,000	25			10,965	4,218	30,965	4,243	
-Rainbow trout			87,650	1,447	146,878	99,659	234,528	101,106	
-Rainbow trout (t)			5,014	109			5,014	109	
-Striped bass					31,213	2,242	31,213	2,242	
Total Distributed	20,000	25	91,860	1,551	226,886	124,818	338,746	126,394	
Total Transferred			5,014	109			5,014	109	
White Sulphur Springs NFH									
-Brook trout	16,644	2	39,430	230	10,315	9,343	66,389	9,575	
-Brook trout (t)	46,000	2					46,000	2	
-Brown trout					8	91	8	91	
-Rainbow trout			20,000	788	24,807	27,403	44,807	28,191	
-Rainbow trout (t)	63,616	4					63,616	4	
Total Distributed	16,644	2	59,430	1,018	35,130	36,837	111,204	37,857	
Total Transferred	109,616	6					109,616	6	
Region 5 - Total Distributed	2,292,173	1,088	2,091,883	63,144	2,948,303	604,497	7,332,359	668,729	6,282,250
Region 5 - Total Transferred	313,116	121	153,060	688	550	1,375	466,726	2,184	
Region 5 - Total Shipped	2,605,289	1,209	2,244,943	63,832	2,948,853	605,872	7,799,085	670,913	6,282,250

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 6									
Colorado									
Hotchkiss NFH									
-Cutthroat trout			48,435	272			48,435	272	
-Rainbow trout			1,657,650	83,404	118,594	33,655	1,776,244	117,059	
-Rainbow trout (t)			107,510	3,458	110,328	8,740	217,838	12,198	
Total Distributed			1,706,085	83,676	118,594	33,655	1,824,679	117,331	
Total Transferred			107,510	3,458	110,328	8,740	217,838	12,198	
Leadville NFH									
-Brook trout			11,596	268			11,596	268	
-Brown trout			25,807	866			25,807	866	
-Cutthroat trout	14,200	13	29,925	85	152,629	41,696	196,754	41,794	
-Lake trout			14,330	458			14,330	458	
-Rainbow trout					223,206	46,555	223,206	46,555	
Total Distributed	14,200	13	81,658	1,677	375,835	88,251	471,693	89,941	
Montana									
Bozeman FTC									
-Cutthroat trout			39,954	1,643	1,963	227	41,917	1,870	
-Golden trout	4,560	4	8,925	168			13,485	172	
-Rainbow trout					4,326	1,592	4,326	1,592	
-Walleye					829	146	829	146	
Total Distributed	4,560	4	48,879	1,811	7,118	1,965	60,557	3,780	
Creston NFH									
-Brown trout			118,560	4,677			118,560	4,677	
-Cutthroat trout			24,500	410	28,526	1,817	53,026	2,227	
-Largemouth bass					100	150	100	150	
-Rainbow trout			350,995	11,447	382,518	58,377	733,513	69,824	6,338,253

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 6 (Continued)									
Montana (Continued)									
Creston NFH (Continued)									
Total Distributed			494,055	16,534	411,144	60,344	905,199	76,878	6,338,253
Ennis NFH									
-Rainbow trout			14,596	275	17,272	37,815	31,868	38,090	25,083,954
-Rainbow trout (t)					13	65	13	65	
Total Distributed			14,596	275	17,272	37,815	31,868	38,090	25,083,954
Total Transferred					13	65	13	65	
North Dakota									
Garrison Dam NFH									
-Black crappie	1,351,648	450			793	317	1,352,441	767	1,500,000
-Brown trout			117,109	6,036	337,622	41,643	454,731	47,679	
-Fall chinook salmon			357,894	9,029	12,263	1,450	370,157	10,479	1,883,380
-Largemouth bass	171,760	169	32,412	111			204,172	280	
-Northern pike			2,418,081	3,067	60	12	2,418,141	3,079	
-Paddlefish	315,000	17			3,441	138	318,441	155	
-Paddlefish (t)	93,500	5					93,500	5	
-Rainbow trout			138,641	6,138	220,716	36,873	359,357	43,011	
-Steelhead									
-Steelhead (t)			35,696	194			35,696	194	
-Walleye	9,225,644	4,746	981,567	1,048			10,207,211	5,794	
-Walleye (t)	5,305,000	84					5,305,000	84	
Total Distributed	11,064,052	5,382	4,045,704	25,429	574,895	80,433	15,684,651	111,244	3,383,380
Total Transferred	5,398,500	89	35,696	194			5,434,196	283	
Valley City/									
Baldhill Dam NFH									
-Bluegill	214,974	162	360	20			215,334	182	
-Channel catfish			200,060	1,098			200,060	1,098	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

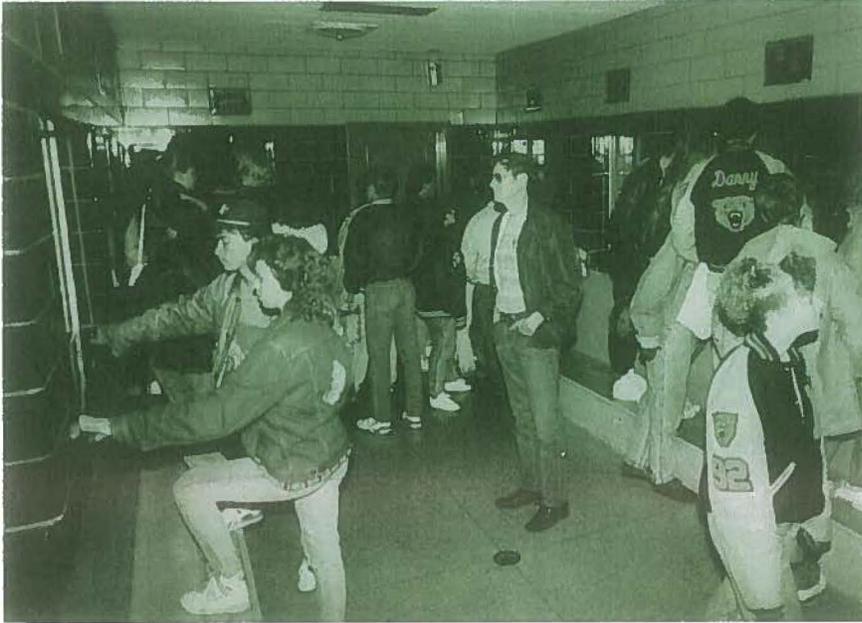
Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 6 (Continued)									
North Dakota (Continued)									
Valley City/ Baldhill Dam NFH (Continued)									
-Largemouth bass	729,900	389					729,900	389	
-Largemouth bass (t)					115	230	115	230	
-Muskellunge	32,533	9	13,519	9			46,052	18	
-Northern pike	117,600	4	1,461,140	1,512			1,578,740	1,516	
-Paddlefish					3,840	209	3,840	209	
-Smallmouth bass			1,400	2			1,400	2	
-Tiger muskellunge			40,800	34			40,800	34	
-Tiger muskellunge (t)			24,000	20			24,000	20	
-Walleye	2,439,050	522					2,439,050	522	
Total Distributed	3,534,057	1,086	1,717,279	2,675	3,840	209	5,255,176	3,970	
Total Transferred			24,000	20	115	230	24,115	250	
South Dakota									
Gavins Point NFH									
-Bluegill	140,000	113	40,000	61			180,000	174	
-Channel catfish			533,750	8,147			533,750	8,147	
-Channel catfish (t)	300,000	29					300,000	29	
-Largemouth bass	345,650	250	8,460	40			354,110	290	
-Largemouth bass (t)	104,000	6					104,000	6	
-Northern pike	4,500,000	141					4,500,000	141	2,565,000
-Paddlefish	287,500	10			46,180	9,753	333,680	9,763	450,000
-Paddlefish (t)	132,200	5					132,200	5	
-Rainbow trout			500	30	31,095	7,857	31,595	7,887	
-Sauger			36,000	49			36,000	49	
-Saugeye	210,000	10	68,425	88			278,425	98	
-Smallmouth bass	211,700	198	26,400	68	3	1	238,103	267	
-Tiger muskellunge			24,750	22			24,750	22	
-Walleye	23,317,000	662	633,150	894			23,950,150	1,556	16,936,000
-Walleye (t)	500,000	4					500,000	4	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
Region 6 (Continued)									
South Dakota (Continued)									
Gavins Point NFH (Continued)									
Total Distributed	29,011,850	1,384	1,371,435	9,399	77,278	17,611	30,460,563	28,394	19,951,000
Total Transferred	1,036,200	44					1,036,200	44	
Utah									
Jones Hole NFH									
-Brook trout			8,000	149			8,000	149	
-Brook trout (t)			13,500	281			13,500	281	
-Brown trout			30,997	1,212	29,100	2,273	60,097	3,485	
-Cutthroat trout			20,608	638	35,647	6,767	56,255	7,405	
-Cutthroat trout (t)			267,000	6,924	170,439	18,625	437,439	25,549	
-Rainbow trout			403,013	10,179	546,207	92,471	949,220	102,650	
-Rainbow trout (t)				5,000		658	5,000	658	
Total Distributed			462,618	12,178	610,954	101,511	1,073,572	113,689	
Total Transferred			280,500	7,205	175,439	19,283	455,939	26,488	
Wyoming									
Jackson NFH									
-Brown trout			145,890	5,963			145,890	5,963	
-Cutthroat trout			96,831	2,213	370,295	38,730	467,126	40,943	
-Lake trout					47,516	7,965	47,516	7,965	
-Lake trout (t)			6,370	244			6,370	244	
Total Distributed			242,721	8,176	417,811	46,695	660,532	54,871	
Total Transferred			6,370	244			6,370	244	
Saratoga NFH									
-Brown trout					953	2,903	953	2,903	4,861,554
-Cutthroat trout	22,374	22	61,643	1,514	22,338	6,701	106,355	8,237	235,311
-Lake trout									4,740,761

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches		Number	Weight (Pounds)	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)			
<u>Region 6 (Continued)</u>									
Wyoming (Continued)									
Saratoga NFH (Continued)									
-Rainbow trout			56,863	1,461			56,863	1,461	
Total Distributed	22,374	22	118,506	2,975	23,291	9,604	164,171	12,601	9,837,626
Region 6 - Total Distributed	43,651,093	7,891	10,303,536	164,805	2,638,032	478,093	56,592,661	650,789	64,594,213
Region 6 - Total Transferred	6,434,700	133	454,076	11,121	285,895	28,318	7,174,671	39,572	
Region 6 - Total Shipped	50,085,793	8,024	10,757,612	175,926	2,923,927	506,411	63,767,332	690,361	64,594,213
Grand Total Distributed	96,096,786	18,861	91,332,366	1,467,598	33,765,527	4,944,545	221,194,679	6,431,004	90,469,864
Grand Total Transferred	14,183,302	2,121	4,082,104	43,597	350,829	47,291	18,616,235	93,009	
Grand Total Shipped	110,280,088	20,982	95,414,470	1,511,195	34,116,356	4,991,836	239,810,914	6,524,013	90,469,864



Aquarium located at Mammoth Spring NFH. Due to public demand, facility remains open 365 days a year.

As the Ozarks continue to attract more tourists annually, public use at Mammoth Spring NFH has grown dramatically. The hatchery now hosts an estimated 90,000 visitors a year! A new half-million dollar tourist information center adjacent to the hatchery at Mammoth Spring State Park hosts over 300,000 visitors each year. Plans to construct a new interstate highway linking major metropolitan centers in Arkansas, Tennessee, and Missouri and passing

less than 1/2 mile from the hatchery will further add to public use of the hatchery grounds. Currently public use facilities and opportunities at Mammoth Spring NFH include an aquarium, informational kiosks, the opportunity to view fish in raceways, and day-to-day hatchery operations. Improvements have been made on the Warm Fork River bordering the hatchery to enhance public fishing opportunities.



Aerial view of Mammoth Spring NFH with 15 production ponds, 4 raceways, and associated hatching, holding, and service facilities.

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally-owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. Administration.



UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
WASHINGTON, D.C. 20240

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