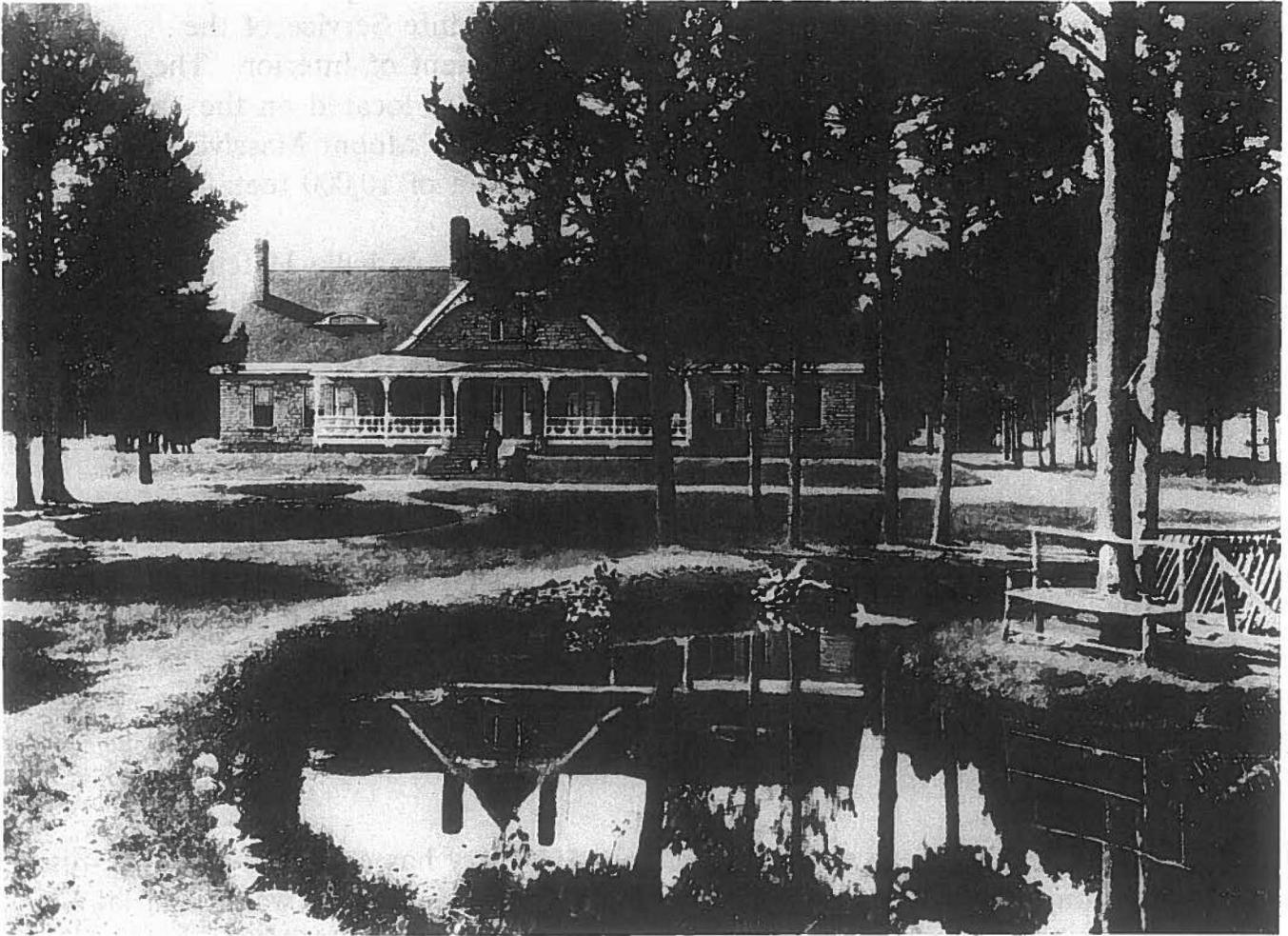


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Fish and Fish Egg Distribution Report OF THE NATIONAL FISH HATCHERY SYSTEM



Fiscal year 1989/Report No.24

UNITED STATES DEPARTMENT OF INTERIOR
FISH AND WILDLIFE SERVICE



The cover photo features the Leadville National Fish Hatchery which celebrated 100 years of continuous operation on July 8-9, 1989. The Hatchery was established in 1889 by Congress and it is the second oldest operated by the Fish and Wildlife Service of the Department of Interior. The hatchery is located on the east side of Colorado's Mount Massive at an elevation of 10,000 feet.

During the early years of operation, trout from the Leadville Hatchery were distributed over the entire Rocky Mountain region. Waters which originally held only native cutthroat trout, or none, were stocked with rainbow, brook, and brown trout. The Black Hills area and parts of Wyoming held no native trout at all and waters there were first stocked from this hatchery.

Hatchery visitors enjoy self guiding nature trails which provide excellent hiking in the summer and cross-country skiing in the winter. These trails offer opportunities to view a panorama of Colorado's high country. Beaver still build dams here and deer and elk feed in willow thickets created by the silting in of old beaver ponds. One of the main trails passes by the remains of the old Evergreen Hotel. This resort hotel was noted for its atmosphere and view in the late 1800's. The views of Mount Elbert and Mount Massive remain as spectacular now as they were then.

For 100 years, the Leadville National Fish Hatchery has contributed to the fine trout fishing in the Rocky Mountains. Changes in the use of water and land and increases in angling pressure make it necessary to give nature a helping hand. Stocking of fish from the Leadville Hatchery and other Federal Hatcheries is necessary for maintaining good fishing for millions of people.



Fish and Fish Egg Distribution Report

OF THE NATIONAL FISH HATCHERY SYSTEM

Fiscal year 1989/Report No.24

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INTRODUCTION

Federal responsibilities for stewardship of the Nations's diverse and valuable fishery resources date back to 1871 when Congress established the position of Commissioner of Fish and Fisheries in response to concerns about the decline of domestic food fish supplies. Declines in specific fish populations during the past two centuries can be attributed to several factors, such as, overfishing, degraded fishery habitat, water pollution, dam construction, and other natural and manmade phenomena. While in many cases, progress has been made in overcoming several of these factors, resource managers need to contend with ever changing challenges in order to provide a stable fishery for species of interest nationwide.

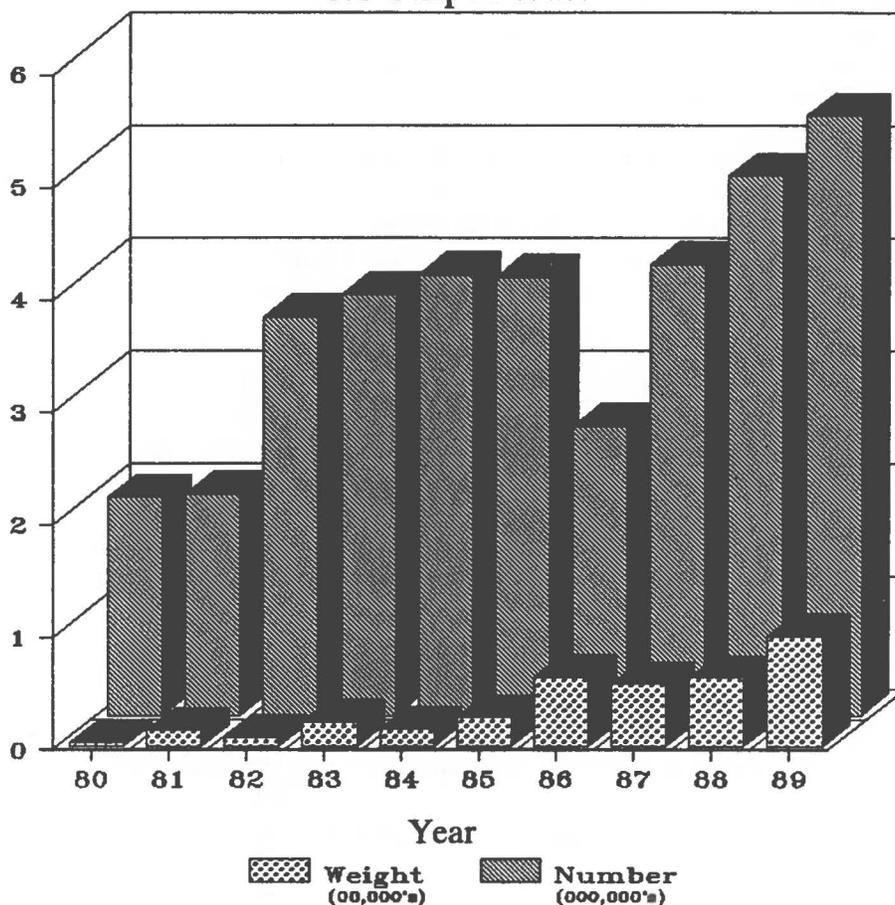
One such challenge is management of fish harvest. Fishing pressure from both commercial and recreational fisherman continues to increase. Technological advances allow for more efficient/effective commercial harvest and increased leisure time and interest of the American public translates directly to more recreational fisherman. Today, fish provide sport to over 60 million recreational fisherman in the United States annually. These anglers spend over one billion days fishing each year which results in an additional 30 billion dollars being pumped 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's National Fish Hatchery System has played a vital role in the restoration/mitigation of depleted fish populations nationwide as is demonstrated by the following examples.

Striped Bass:

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 nearly forty million striped bass of various sizes into the streams and tributaries along the Atlantic and Gulf Coasts. While the number distributed has remained somewhat constant, the total weight of striped bass distributed has increased over tenfold in the last ten years.

Ten Years of Fish Distribution for Striped Bass



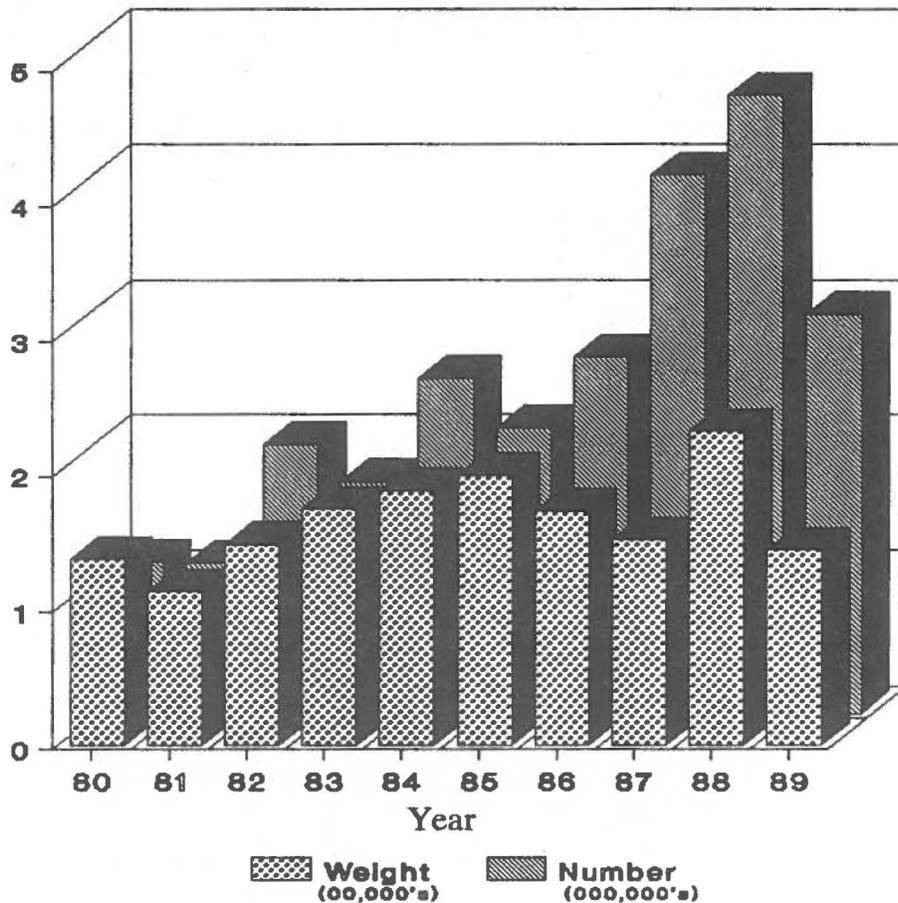
Today striped bass populations are rebounding. Chesapeake Bay was once credited with hatching 90 percent of all striped bass found in the Atlantic Ocean. After 10 years of very low levels of striped bass production in Chesapeake Bay, initial information from the 1989 Maryland young-of-the-year index for Chesapeake Bay striped bass indicates that striped bass numbers in the Bay are increasing significantly. As a result of the Maryland index, some states may reopen their striped bass fishery to limited harvest as of January, 1990.

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.

Atlantic Salmon:

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 24 million Atlantic salmon with a combined weight in excess of one and one-half 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.

Ten Years of Fish Distribution
for Atlantic Salmon



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

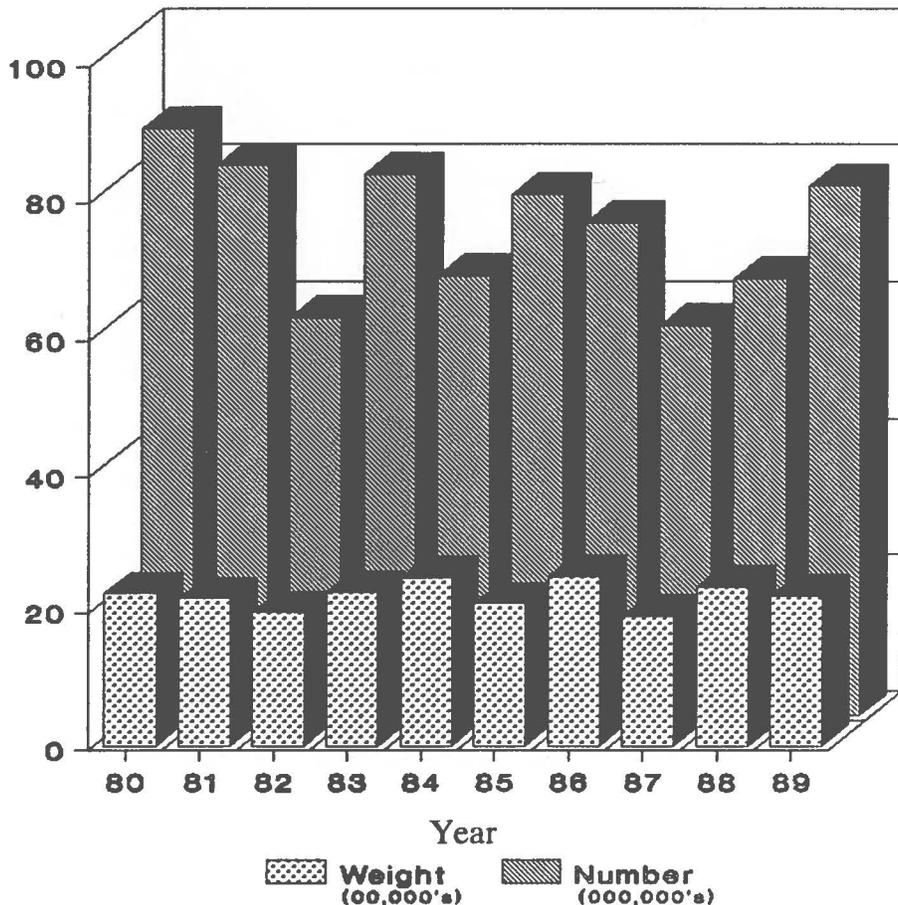
are reaching the smolt stage (ready to begin migration to the ocean) at one year versus two or more years as was common in the past. The increased availability of eggs from returning adults also is a positive indicator for the future of Atlantic salmon.

Pacific Salmon and Steelhead Trout:

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 18 National Fish Hatcheries resulted in the release of over 703 million Pacific salmon and steelhead with a combined weight of 22 million pounds during the past 10 years.

Ten Years of Fish Distribution
for Pacific Salmon and Steelhead

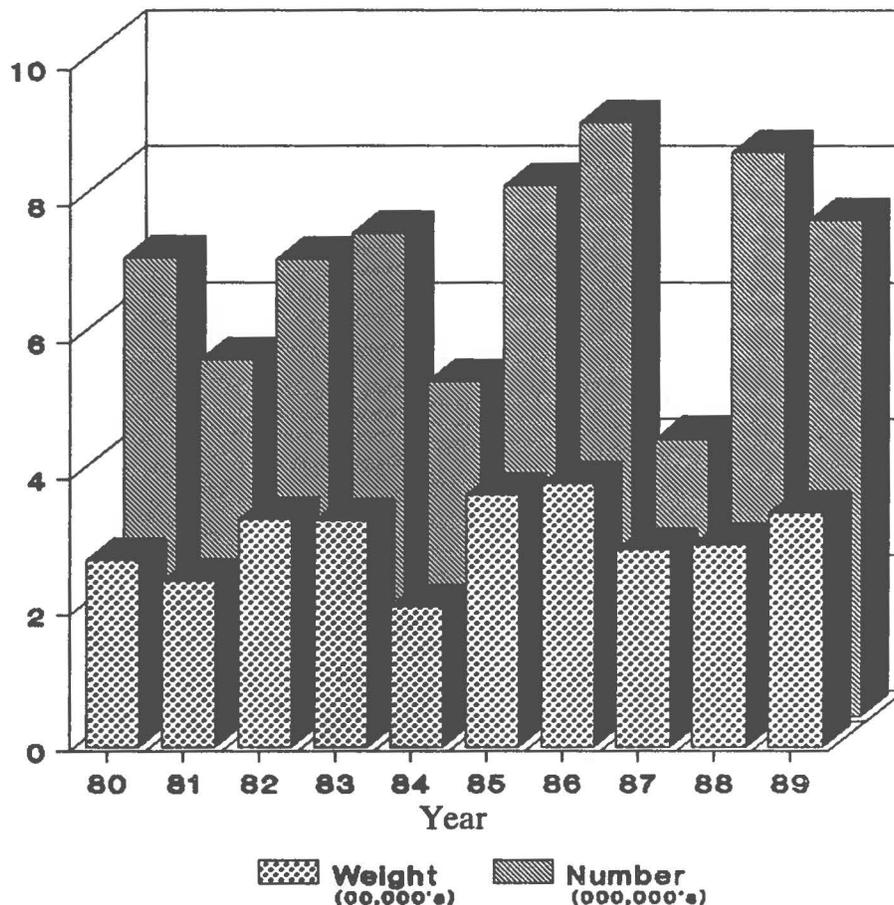


The continued successful management of Pacific salmon and steelhead is vitally important to the Northwest economy. In 1986, the commercial salmon harvest in Washington, Oregon, and California was over 7,100,000 fish with a value estimated at over \$230,000,000. The most recent figures available for sport 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.

Great Lakes Lake Trout:

The Great Lakes provided a large and successful commercial fishery in the early 1900s 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.

Ten Years of Fish Distribution
for Lake Trout in Great Lakes



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 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. Lake Huron is showing increasing signs of natural reproduction with more unmarked lake trout being recovered each year. 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, 1988, through September 30, 1989.

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	3,146,657	40,424	0
Alchesay/ Williams Creek NFH, AZ			
-Coldwater species	1,226,095	134,285	0
Allegheny NFH, PA			
-Coldwater species	1,234,109	138,758	578,000
Bears Bluff NFH, SC			
-Warmwater species	15,000	1,446	0
Berkshire NFH, MA			
-Coldwater species	0	0	896,734
Bo Ginn NFH/AQ, GA			
-Warmwater species	1,099,189	10,501	0
Bowden NFH, WV			
-Coldwater species	365,488	155,608	0
-Warmwater species	86,865	3,871	0
Bozeman FTC, MT			
-Coldwater species	147,385	7,243	0
-Coolwater species	998	111	0
Carbon Hill NFH, AL			
-Coolwater species	182,300	118	0
-Warmwater species	686,999	4,696	0
Carson NFH, WA			
-Coldwater species	2,290,639	110,423	0
Chattahoochee Forest NFH, GA			
-Coldwater species	621,408	68,512	0
Coleman NFH, CA			
-Coldwater species	23,944,463	308,825	0
Craig Brook NFH, ME			
-Coldwater species	232,137	35,986	1,715,326
Creston NFH, MT			
-Coldwater species	1,218,708	80,106	6,821,363

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

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Dale Hollow NFH, TN			
-Coldwater species	1,075,743	189,293	0
Dexter NFH, NM			
-Coolwater species	202,583	3,057	175,146
-Warmwater species	2,752	1,039	0
Dworshak FHB, ID			
-Coldwater species	3,921,152	392,648	7,579,380
Eagle Creek NFH, OR			
-Coldwater species	3,421,981	139,166	405,500
Edenton NFH, NC			
-Warmwater species	360,751	16,447	0
Ennis NFH, MT			
-Coldwater species	291,952	44,286	23,640,318
Entiat NFH, WA			
-Coldwater species	963,933	40,889	0
Erwin NFH, TN			
-Coldwater species	113,127	47,259	14,962,575
Garrison Dam NFH, ND			
-Coldwater species	1,055,849	60,504	0
-Coolwater species	18,374,679	4,422	0
-Warmwater species	123,672	621	0
Gavins Point NFH, SD			
-Coldwater species	40,482	7,519	89,000
-Coolwater species	32,242,800	1,973	67,336,000
-Warmwater species	1,906,872	15,147	1,191,000
Genoa NFH, WI			
-Coldwater species	41,115	1,264	703,332
-Coolwater species	324	151	0
-Warmwater species	348,062	2,165	0
Green Lake NFH, ME			
-Coldwater species	682,953	53,891	1,195,864
Greers Ferry NFH, AR			
-Coldwater species	855,258	196,821	0

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

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Hagerman NFH, ID -Coldwater species	2,173,109	336,219	0
Harrison Lake NFH, VA -Warmwater species	130,703	10,884	0
Hiawatha Forest NFH, MI -Coldwater species	820,500	39,551	0
Hotchkiss NFH, CO -Coldwater species	1,636,045	109,020	0
Inks Dam NFH, TX -Coldwater species	11,594	4,030	0
	813,961	30,662	0
Jackson NFH, WY -Coldwater species	434,878	31,404	0
Jones Hole NFH, UT -Coldwater species	1,955,669	179,573	0
Jordan River NFH, MI -Coldwater species	4,206,760	165,695	0
Kooskia NFH, ID -Coldwater species	1,189,569	36,340	0
Lahontan NFH, NV -Coldwater species	1,561,157	70,051	0
Lamar FTC/NFH PA -Coldwater species	101,631	33,573	0
	1,200	2	0
Leadville NFH, CO -Coldwater species	770,046	129,022	0
Leavenworth NFH, WA -Coldwater species	3,745,828	124,640	0
Little White Salmon/ Willard NFH, WA -Coldwater species	8,827,756	220,156	0

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

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Mammoth Spring NFH, AR			
-Coolwater species	576,640	332	0
-Warmwater species	1,259,905	2,609	0
Mckinney Lake NFH, NC			
-Warmwater species	894,864	16,219	0
Meridian NFH, MS			
-Warmwater species	2,839,967	7,092	0
Mescalero NFH, NM			
-Coldwater species	479,801	96,885	0
Nashua NFH, NH			
-Coldwater species	93,878	4,828	1,610,800
Natchitoches NFH, LA			
-Warmwater species	3,084,952	18,971	0
Neosho NFH, MO			
-Coldwater species	577,938	38,837	0
Norfork NFH, AR			
-Coldwater species	3,502,408	488,488	0
North Attleboro NFH, MA			
-Coldwater species	709,207	9,868	0
-Warmwater species	36,776	716	0
Orangeburg NFH, SC			
-Warmwater species	1,312,565	12,981	0
Pendills Creek NFH, MI			
-Coldwater species	1,134,400	37,569	0
Pittsford NFH, VT			
-Coldwater species	741,633	18,046	0
Private John Allen NFH, MS			
-Warmwater species	1,473,404	4,019	0
Quilcene NFH, WA			
-Coldwater species	4,129,300	51,702	60,000
Quinault NFH, WA			
-Coldwater species	3,542,281	82,314	1,470,184

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

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Richard Cronin NSS, MA -Coldwater species	0	0	237,400
San Marcos FTC/NFH, TX -Warmwater species	56,316	1,638	0
Saratoga NFH, WY -Coldwater species	621,099	33,970	8,352,922
Senecaville NFH, OH -Warmwater species	173,442	19,995	0
Spring Creek NFH, WA -Coldwater species	15,307,411	227,532	0
Tishomingo NFH, OK -Warmwater species	4,111,337	36,030	0
Uvalde NFH, TX -Warmwater species	1,746,625	48,290	5,000
Valley City/ Baldhill Dam NFH, ND -Coolwater species	19,740,322	3,241	0
-Warmwater species	136,132	715	0
Walhalla NFH, SC -Coldwater species	857,111	74,269	0
Warm Springs NFH, GA -Warmwater species	159,435	6,093	0
Warm Springs NFH, OR -Coldwater species	604,215	54,398	0
Welaka NFH, FL -Warmwater species	1,562,771	2,100	100,000
White River NFH, VT -Coldwater species	1,122,152	40,586	0
White Sulphur Springs NFH, WV -Coldwater species	325,017	37,976	11,223,158
Willow Beach NFH, AZ -Coldwater species	1,462,130	154,833	0

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

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Winthrop NFH, WA -Coldwater species	2,825,438	114,188	0
Wolf Creek NFH, KY -Coldwater species	885,335	203,329	0
Total Coldwater Species	113,245,930	5,502,602	81,541,856
Total Coolwater Species	71,320,646	13,405	67,511,146
Total Warmwater Species	24,424,517	274,949	1,296,000
Grand Total	208,991,093	5,790,956	150,349,002

Table 2. Fish And Fish Egg Distribution By Species

Species	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
<u>Coldwater Species</u>			
-Apache (Arizona) trout	69,019	7,931	0
-Arctic grayling	30,110	311	0
-Atlantic salmon	2,961,938	143,353	5,655,817
-Brook trout	1,416,284	75,470	2,935,929
-Brown trout	1,509,805	123,835	6,704,755
-Chum salmon	3,104,740	4,309	0
-Coho salmon	7,036,826	344,116	586,900
-Cutthroat trout	3,658,042	269,211	1,822,002
-Fall chinook salmon	45,591,185	415,961	475,090
-Kokanee	72,613	116	0
-Lake trout	7,514,540	365,405	1,375,712
-Landlocked Atlantic salmon	616,742	18,365	307
-Late fall chinook salmon	662,179	31,004	0
-Rainbow trout	17,043,051	2,299,162	53,443,270
-Spring chinook salmon	16,195,124	567,607	1,204,000
-Steelhead	5,763,732	836,446	7,338,074
Total Coldwater Species	113,245,930	5,502,602	81,541,856
<u>Coolwater Species</u>			
-Bonytail chub	22,056	427	0
-Chihuahua chub	6	1	0
-Colorado squawfish	162,006	14	0
-Muskellunge	43,382	737	300,000
-Northern pike	19,470,371	3,325	3,000,000
-Razorback sucker	18,515	2,615	175,146
-Sauger	1,403,500	9	0
-Saugeye	2,871,000	166	3,000,000
-Tiger Muskie	481,240	198	0
-Walleye	46,848,266	5,862	61,036,000
-Yellow perch	304	51	0
Total Coolwater Species	71,320,646	13,405	67,511,146
<u>Warmwater Species</u>			
-Atlantic sturgeon	260	2	0
-Beautiful shiner	20	1	0
-Big Bend gambusia	50	1	0

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

Species	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
<u>Warmwater Species (Continued)</u>			
-Black bullhead	12,150	11	0
-Black crappie	2	1	0
-Blue catfish	335,579	10,297	0
-Bluegill	4,028,896	5,111	0
-Carp	270	945	0
-Channel catfish	5,714,248	138,540	5,000
-Desert pupfish	700	1	0
-Fathead minnow	160,000	800	0
-Flathead catfish	13,200	201	0
-Gila topminnow	448	4	0
-Green sunfish	100	1	0
-Largemouth bass	3,213,851	8,330	0
-Paddlefish	144,756	2,297	1,180,000
-Redbreast sunfish	545,600	496	0
-Redear sunfish	2,416,287	3,007	0
-Shortnose sturgeon	43,813	43	0
-Shovelnose sturgeon	373	103	11,000
-Smallmouth bass	631,651	2,383	0
-Striped bass	6,509,609	99,565	100,000
-Striped bass hybrid	652,648	2,808	0
-Woundfin	6	1	0
Total Warmwater Species	24,424,517	274,949	1,296,000
<hr/>			
Grand Total	208,991,093	5,790,956	150,349,002
<hr/>			

Table 3. Fish and Fish Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Alabama			
-Coldwater species	10,500	3,104	0
-Warmwater species	28,200	188	0
Arizona			
-Coldwater species	2,218,040	194,913	4,661,075
-Coolwater species	42,055	2,984	144,258
-Warmwater species	221,512	8,938	0
Arkansas			
-Coldwater species	3,730,185	531,444	1,941,644
-Coolwater species	391,340	210	0
-Warmwater species	3,083,104	10,188	0
California			
-Coldwater species	23,990,788	319,585	110,931
-Coolwater species	0	0	30,888
-Warmwater species	300	1	0
Colorado			
-Coldwater species	2,297,630	223,041	4,175,426
-Coolwater species	560,000	6	0
-Warmwater species	216,350	37	0
Connecticut			
-Coldwater species	122,551	15,322	38,972
Florida			
-Warmwater species	1,587,236	8,316	0
Georgia			
-Coldwater species	1,387,476	89,686	3,058,848
-Warmwater species	512,459	4,662	0
Idaho			
-Coldwater species	7,078,012	773,950	10,885,138
-Coolwater species	1,000,000	8	0
Illinois			
-Coldwater species	105,000	6,196	547,071
-Coolwater species	2,000,000	17	0
-Warmwater species	168,848	358	0

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

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Iowa			
-Coolwater species	200,000	3	6,000,000
-Warmwater species	15,032	137	0
Kansas			
-Coldwater species	7,175	3,283	0
-Coolwater species	1,800,000	8	0
Kentucky			
-Coldwater species	676,859	196,823	1,328,998
Louisiana			
-Warmwater species	2,643,073	14,939	0
Maine			
-Coldwater species	914,150	89,766	1,715,633
-Warmwater species	36,776	716	0
Maryland			
-Coldwater species	43,040	9,849	11,506
-Warmwater species	658,574	57,313	0
Massachusetts			
-Coldwater species	202,668	24,303	1,174,152
Michigan			
-Coldwater species	5,201,460	201,670	8,322,594
-Warmwater species	1,500	10	0
Minnesota			
-Coldwater species	164,250	6,118	1,282,734
-Coolwater species	4,000,000	11	0
-Warmwater species	12,000	206	0
Mississippi			
-Warmwater species	2,405,994	10,098	0
Missouri			
-Coldwater species	713,756	85,333	5,821,748
-Coolwater species	1,004,150	35	0
-Warmwater species	147,570	198	0

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

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Montana			
-Coldwater species	1,631,241	113,693	3,694,546
-Coolwater species	2,517,204	299	5,500,000
-Warmwater species	64,795	820	0
Nebraska			
-Coldwater species	21,994	5,890	147,821
-Coolwater species	16,842,300	613	300,000
-Warmwater species	707,670	7,146	0
Nevada			
-Coldwater species	1,879,344	137,026	811,780
-Coolwater species	3,600,000	29	0
-Warmwater species	36,195	95	0
New Hampshire			
-Coldwater species	772,135	4,269	2,741,914
New Jersey			
-Coldwater species	25,650	7,708	0
-Warmwater species	51,200	44	0
New Mexico			
-Coldwater species	1,154,155	138,945	3,524,331
-Warmwater species	402,200	49,820	0
New York			
-Coldwater species	1,600,602	111,685	495,782
-Warmwater species	9	2	100,000
North Carolina			
-Coldwater species	82,447	21,908	2,046,343
-Warmwater species	924,568	9,510	0
North Dakota			
-Coldwater species	1,045,849	60,398	1,496,198
-Coolwater species	32,644,645	7,386	0
-Warmwater species	489,804	1,694	0
Oklahoma			
-Coldwater species	277,953	53,046	0
-Warmwater species	4,015,569	33,757	5,000

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

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Oregon			
-Coldwater species	4,024,596	193,502	405,500
Pennsylvania			
-Coldwater species	216,775	62,060	1,780,566
Rhode Island			
-Coldwater species	76,146	1,742	0
South Carolina			
-Coldwater species	299,519	59,601	1,577,697
-Warmwater species	1,949,133	14,319	0
South Dakota			
-Coldwater species	32,515	2,640	756,319
-Coolwater species	3,550,000	1,323	46,736,000
-Warmwater species	664,075	4,824	701,000
Tennessee			
-Coldwater species	1,095,923	211,540	4,760,880
-Coolwater species	368,100	241	0
-Warmwater species	982,976	2,025	0
Texas			
-Coldwater species	240,129	60,821	0
-Coolwater species	12	2	0
-Warmwater species	1,650,422	12,812	490,000
Utah			
-Coldwater species	1,238,399	152,682	2,280,189
-Coolwater species	516	68	0
-Warmwater species	277,903	11,770	0
Vermont			
-Coldwater species	975,420	15,007	3,599,026
Virginia			
-Coldwater species	201,176	1,155	206,255
-Warmwater species	59,556	6,165	0
Washington			
-Coldwater species	45,019,398	1,015,889	1,727,941

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

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
West Virginia			
-Coldwater species	457,042	186,237	729,510
-Warmwater species	500	2	0
Wisconsin			
-Coldwater species	732,065	30,095	2,306,977
-Coolwater species	324	151	8,800,000
-Warmwater species	258,574	1,496	0
Wyoming			
-Coldwater species	1,281,917	80,677	1,124,549
-Coolwater species	800,000	11	0
-Warmwater species	120,840	1,967	0
Total U.S. Distribution			
Total Coldwater Species	113,245,930	5,502,602	81,290,594
Total Coolwater Species	71,320,646	13,405	67,511,146
Total Warmwater Species	24,394,517	274,573	1,296,000
Total Foreign Distribution			
Total Coldwater Species	0	0	251,262
Total Warmwater Species	10,000	12	0
Grand Total	208,971,093	5,790,592	150,349,002

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	2,941,424	142,267	5,630,761
Endangered Species Program	1,744,563	78,566	112,641
Farm Pond Program	2,159,239	3,324	0
Fish and Wildlife Service Lands	5,793,363	21,973	34,897
Great Lakes Lake Trout Program	7,289,050	345,639	0
Indian Tribal Program	6,877,992	542,635	2,995,814
Inland Restoration/Mitigation	62,321,078	3,003,807	101,821,438
Military Lands	832,807	142,834	0
Pacific Salmon and Steelhead Program	77,661,364	2,191,188	9,515,064
Research and Education	2,658,327	39,590	1,367,055
Striped Bass Restoration Program	5,328,194	98,161	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 Number 6 (1970), A List of Common and Scientific Names of Fishes from the United States and Canada, ed. 1980.

<u>MAJOR GROUP AND COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Coldwater	
Apache (Arizona) Trout	<u>Salmo apache</u>
Arctic grayling	<u>Thymallus arcticus</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>Salmo clarki</u>
Greenback cutthroat	<u>Salmo clarki stomias</u>
Kokanee	<u>Oncorhynchus nerka</u>
Lahontan cutthroat.	<u>Salmo clarki henshawi</u>
Lake trout	<u>Salvelinus namaycush</u>
Rainbow trout	<u>Salmo gairdneri</u>
Steelhead	<u>Salmo gairdneri</u>

SPECIES SHIPPED (Continued)

<u>MAJOR GROUP AND COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Coolwater	
Bonytail	<u>Gila elegans</u>
Chihuahua chub.	<u>Gila nigrescens</u>
Colorado squawfish.	<u>Ptychocheilus 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</u> X <u>Stizostedion canadense</u>
Tiger Muskie.	<u>Esox masquinongy</u> X <u>Esox lucius</u>
Walleye	<u>Stizostedion vitreum</u>
Yellow perch	<u>Perca flavescens</u>
Warmwater	
Atlantic sturgeon	<u>Acipenser oxyrhynchus</u>
Beautiful shiner.	<u>Notropis formosus</u>
Big bend gambusia	<u>Gambusia gaigei</u>
Black bullhead.	<u>Ictalurus melas</u>
Black crappie	<u>Pomoxis nigromaculatus</u>
Blue catfish	<u>Ictalurus furcatus</u>
Bluegill	<u>Lepomis microchirus</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>
Green sunfish	<u>Lepomis cyanellus</u>
Hybrid sunfish.	<u>Lepomis cyanellus</u> X <u>Lepomis</u> <u>microchirus</u>
Largemouth bass	<u>Micropterus salmoides</u>
Paddlefish	<u>Polyodon spathula</u>
Redbreast sunfish	<u>Lepomis auritus</u>
Redear sunfish	<u>Lepomis microlophus</u>
Shortnose sturgeon.	<u>Acipenser brevirostrum</u>
Shovelnose sturgeon	<u>Scaphirhynchus platyrhynchus</u>
Smallmouth bass	<u>Micropterus dolomieu</u>
Striped bass.	<u>Morone saxatilis</u>
Striped bass hybrid	<u>Morone chrysops</u> X <u>Morone</u> <u>saxatilis</u>
Woundfin.	<u>Plagopterus argentissimus</u>

Listing of Fish and Wildlife Service Regional Offices

Region 1 -- Lloyd 500 Building, Suite 1692 Office Location: Suite 1250,
500 N.E. Multnomah Street 700 N.E. Multnomah Bldg.
Portland, Oregon 97232 Portland, Oregon

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

Region 2 -- U.S. Courthouse & Federal Building Office Location: Room 3118,
P.O. Box 1306 500 Gold Street, S.W.
Albuquerque, New Mexico 87103 Albuquerque, New Mexico

Areas - Arizona, New Mexico, Oklahoma, and Texas

Region 3 -- Federal Building Office Location: Same
Room 646E, Fort Snelling
Twin Cities, Minnesota 55111

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

Region 4 -- Richard B. Russell Federal Building Office Location: Same
Room 1364, 75 Spring Street, SW
Atlanta, Georgia 30303

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 Office Location: Same
Newton Corner, Massachusetts 02158

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

Region 6 -- Denver Federal Center Office Location: Third Floor
P.O. Box 25486 134 Union Blvd.,
Denver, Colorado 80225 Lakewood, Colorado

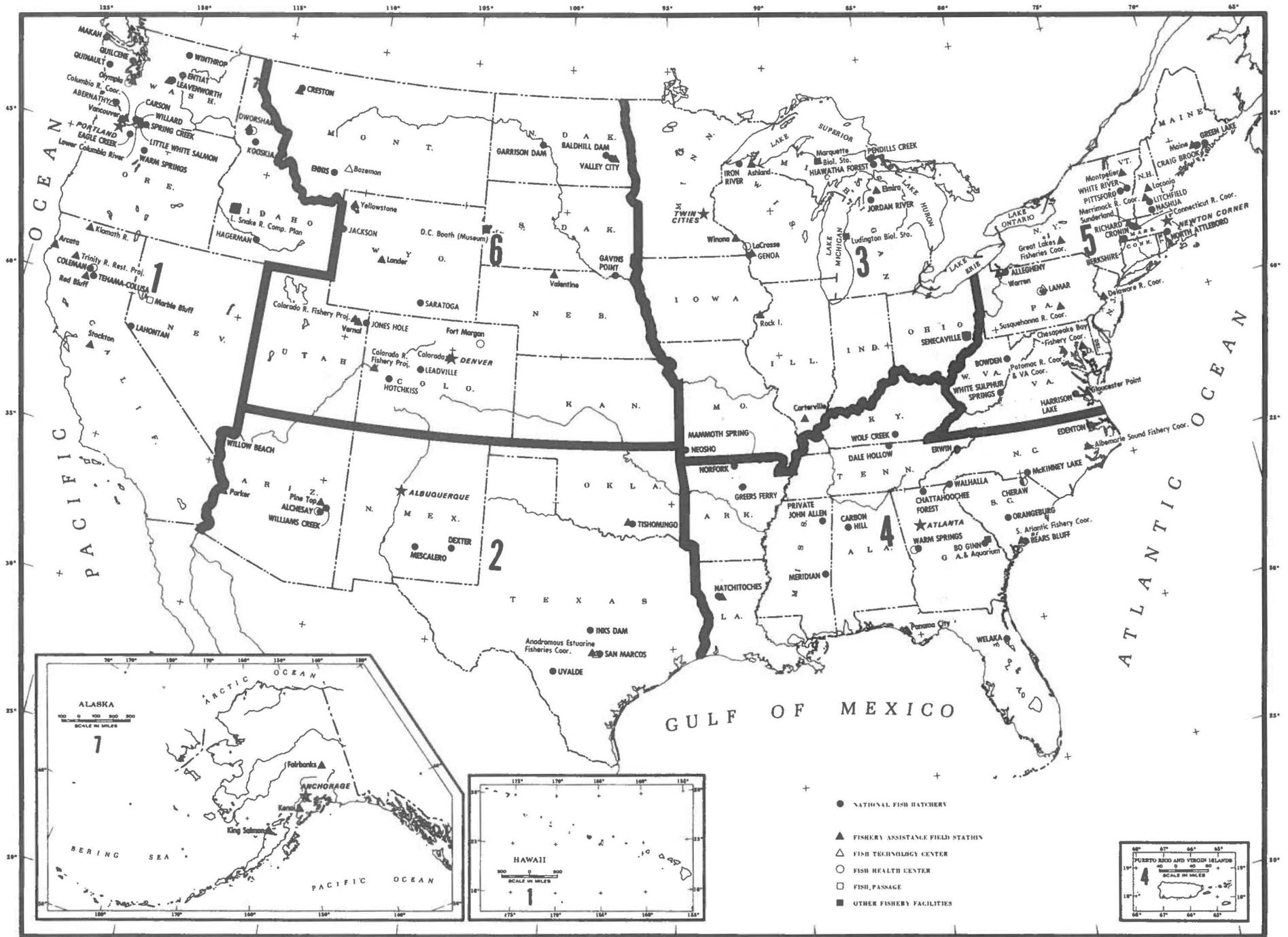
Areas - Colorado, Kansas, Montana, Nebraska, North
Dakota, South Dakota, Utah, and Wyoming

Region 7 -- 1011 E. Tudor Road Office Location: Same
Anchorage, Alaska 99503

Areas - Alaska

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

NATIONAL FISH HATCHERIES AND FISHERY ASSISTANCE STATIONS



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 May 1977.

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.

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		22,527,604	106,965			22,527,604	106,965		
-Late fall chinook salmon		637,669	28,854	24,510	2,150	662,179	31,004		
-Steelhead				754,680	170,856	754,680	170,856		
Total Distributed		23,165,273	135,819	779,190	173,006	23,944,463	308,825		
Idaho									
Dworshak FHB									
-Spring chinook salmon		2,384,821	87,412	142,559	8,776	2,527,380	96,188	1,204,000	
-Spring chinook salmon (t)		398,807	12,652			398,807	12,652		
-Steelhead				1,393,772	296,460	1,393,772	296,460	6,375,380	
Total Distributed		2,384,821	87,412	1,536,331	305,236	3,921,152	392,648	7,579,380	
Total Transferred		398,807	12,652			398,807	12,652		
Hagerman NFH									
-Rainbow trout				245,380	23,200	245,380	23,200		
-Steelhead		448,899	13,594	1,478,830	299,425	1,927,729	313,019		
-Steelhead (t)		1,711,813	53,300			1,711,813	53,300		
Total Distributed		448,899	13,594	1,724,210	322,625	2,173,109	336,219		
Total Transferred		1,711,813	53,300			1,711,813	53,300		
Kooskia NFH									
-Spring chinook salmon		1,189,569	36,340			1,189,569	36,340		
Total Distributed		1,189,569	36,340			1,189,569	36,340		
Nevada									
Lahontan NFH									
-Cutthroat trout		764,369	5,631	796,788	64,420	1,561,157	70,051		

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			764,369	5,631	796,788	64,420	1,561,157	70,051	
Oregon									
Eagle Creek NFH									
-Coho salmon			1,928,485	87,230	487,965	34,495	2,416,450	121,725	
-Spring chinook salmon	187,128	150					187,128	150	
-Steelhead	533,464	253	170,859	1,646	114,080	15,392	818,403	17,291	405,500
Total Distributed	720,592	403	2,099,344	88,876	602,045	49,887	3,421,981	139,166	405,500
Warm Springs NFH									
-Rainbow trout			15,000	33	20,542	8,602	35,542	8,635	
-Spring chinook salmon			800	5	567,873	45,758	568,673	45,763	
Total Distributed			15,800	38	588,415	54,360	604,215	54,398	
Washington									
Abernathy STC									
-Fall chinook salmon			3,146,657	40,424			3,146,657	40,424	
Total Distributed			3,146,657	40,424			3,146,657	40,424	
Carson NFH									
-Spring chinook salmon	307,000	244			1,983,639	110,179	2,290,639	110,423	
Total Distributed	307,000	244			1,983,639	110,179	2,290,639	110,423	
Entiat NFH									
-Spring chinook salmon			963,933	40,889			963,933	40,889	
Total Distributed			963,933	40,889			963,933	40,889	

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)									
Leavenworth NFH									
-Spring chinook salmon			3,531,167	106,572	119,479	6,458	3,650,646	113,030	
-Steelhead					95,182	11,610	95,182	11,610	
Total Distributed			3,531,167	106,572	214,661	18,068	3,745,828	124,640	
Little White Salmon/ Willard NFH									
-Coho salmon			85,105	571	1,803,171	132,839	1,888,276	133,410	
-Fall chinook salmon			3,453,958	28,809			3,453,958	28,809	
-Spring chinook salmon	2,403,535	1,688	582,191	17,495	499,796	38,754	3,485,522	57,937	
Total Distributed	2,403,535	1,688	4,121,254	46,875	2,302,967	171,593	8,827,756	220,156	
Quilcene NFH									
-Chum salmon			1,901,700	2,811			1,901,700	2,811	
-Coho salmon			1,351,700	35,020			1,351,700	35,020	60,000
-Fall chinook salmon			660,000	5,940			660,000	5,940	
-Spring chinook salmon			95,000	897	120,900	7,034	215,900	7,931	
Total Distributed			4,008,400	44,668	120,900	7,034	4,129,300	51,702	60,000
Quinault NFH									
-Chum salmon			1,203,040	1,498			1,203,040	1,498	
-Coho salmon			1,380,400	53,961			1,380,400	53,961	526,900
-Fall chinook salmon			220,555	1,971			220,555	1,971	386,090
-Steelhead			559,662	7,180	178,624	17,704	738,286	24,884	557,194
Total Distributed			3,363,657	64,610	178,624	17,704	3,542,281	82,314	1,470,184
Spring Creek NFH									
-Fall chinook salmon			15,307,411	227,532			15,307,411	227,532	
Total Distributed			15,307,411	227,532			15,307,411	227,532	

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)									
Winthrop NFH									
-Brook trout			709,097	18,215			709,097	18,215	
-Cutthroat trout			244,800	1,665			244,800	1,665	
-Rainbow trout			711,688	26,673	44,119	8,679	755,807	35,352	
-Spring chinook salmon			250,000	300	865,734	58,656	1,115,734	58,956	
-Spring chinook salmon (t)	506,056	311					506,056	311	
Total Distributed			1,915,585	46,853	909,853	67,335	2,825,438	114,188	
Total Transferred	506,056	311					506,056	311	
Region 1 - Total Distributed	3,431,127	2,335	66,426,139	986,133	11,737,623	1,361,447	81,594,889	2,349,915	9,515,064
Region 1 - Total Transferred	506,056	311	2,110,620	65,952			2,616,676	66,263	
Region 1 - Total Shipped	3,937,183	2,646	68,536,759	1,052,085	11,737,623	1,361,447	84,211,565	2,416,178	9,515,064
Region 2									
Arizona									
Alchesay/									
Williams Creek NFH									
-Apache (Arizona) trout			25,000	1,412	44,019	6,519	69,019	7,931	
-Brook trout			242,603	2,993			242,603	2,993	
-Brown trout			87,500	3,090	83,158	6,629	170,658	9,719	
-Cutthroat trout					101,582	9,462	101,582	9,462	
-Rainbow trout			133,433	1,149	508,800	103,031	642,233	104,180	
-Rainbow trout (t)					5,000	417	5,000	417	
Total Distributed			488,536	8,644	737,559	125,641	1,226,095	134,285	
Total Transferred					5,000	417	5,000	417	
Willow Beach NFH									
-Rainbow trout			792,150	3,163	669,980	151,670	1,462,130	154,833	

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)									
Arizona (Continued)									
Willow Beach NFH (Continued)									
Total Distributed			792,150	3,163	669,980	151,670	1,462,130	154,833	
New Mexico									
Dexter NFH									
-Beautiful shiner			20	1			20	1	
-Big Bend gambusia	50	1					50	1	
-Bonytail chub			21,540	359	516	68	22,056	427	
-Channel catfish					993	764	993	764	
-Chihuahua chub			6	1			6	1	
-Colorado squawfish	160,000	3	2,006	11			162,006	14	
-Colorado squawfish (t)	150,000	2	26,000	13			176,000	15	
-Desert pupfish			700	1			700	1	
-Gila topminnow	448	4					448	4	
-Largemouth bass					535	267	535	267	
-Razorback sucker					18,515	2,615	18,515	2,615	175,146
-Woundfin			6	1			6	1	
Total Distributed	160,498	8	24,278	374	20,559	3,714	205,335	4,096	175,146
Total Transferred	150,000	2	26,000	13			176,000	15	
Mescalero NFH									
-Cutthroat trout			50,000	2,426	80,271	14,809	130,271	17,235	
-Cutthroat trout (t)			5,161	302	6,000	1,296	11,161	1,598	
-Rainbow trout					349,530	79,650	349,530	79,650	
-Rainbow trout (t)			10,160	379	6,000	1,395	16,160	1,774	
Total Distributed			50,000	2,426	429,801	94,459	479,801	96,885	
Total Transferred			15,321	681	12,000	2,691	27,321	3,372	

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									
Tishomingo NFH									
-Channel catfish	2,914,869	376	282,613	5,319	242,942	29,633	3,440,424	35,328	
-Smallmouth bass	5,880	8	142,309	271			148,189	279	
-Striped bass	428,786	359	93,938	64			522,724	423	
Total Distributed	3,349,535	743	518,860	5,654	242,942	29,633	4,111,337	36,030	
Texas									
Inks Dam NFH									
-Channel catfish			12,249	4,950	103,764	25,163	116,013	30,113	
-Channel catfish (t)	108,200	8					108,200	8	
-Cutthroat trout					5,594	2,043	5,594	2,043	
-Largemouth bass	440,072	320	80,216	148			520,288	468	
-Rainbow trout					6,000	1,987	6,000	1,987	
-Striped bass	177,660	81					177,660	81	
Total Distributed	617,732	401	92,465	5,098	115,358	29,193	825,555	34,692	
Total Transferred	108,200	8					108,200	8	
San Marcos FTC/NFH									
-Bluegill					44	30	44	30	
-Largemouth bass			270	1	4,113	1,448	4,383	1,449	
-Largemouth bass (t)			900	6	2,559	560	3,459	566	
-Redear sunfish			5,015	25			5,015	25	
-Striped bass	32,000	11	14,862	65	12	58	46,874	134	
Total Distributed	32,000	11	20,147	91	4,169	1,536	56,316	1,638	
Total Transferred			900	6	2,559	560	3,459	566	
Uvalde NFH									
-Channel catfish	216,350	37	100,725	1,859	242,705	44,842	559,780	46,738	5,000
-Channel catfish (t)					87,724	7,951	87,724	7,951	
-Largemouth bass	331,435	200	461,870	940			793,305	1,140	
-Largemouth bass (t)	5,000	6					5,000	6	

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)									
-Paddlefish					1,125	54	1,125	54	
-Striped bass	392,415	358					392,415	358	
Total Distributed	940,200	595	562,595	2,799	243,830	44,896	1,746,625	48,290	5,000
Total Transferred	5,000	6			87,724	7,951	92,724	7,957	
Region 2 - Total Distributed	5,099,965	1,758	2,549,031	28,249	2,464,198	480,742	10,113,194	510,749	180,146
Region 2 - Total Transferred	263,200	16	42,221	700	107,283	11,619	412,704	12,335	
Region 2 - Total Shipped	5,363,165	1,774	2,591,252	28,949	2,571,481	492,361	10,525,898	523,084	180,146
Region 3									
Michigan									
Hiawatha Forest NFH									
-Lake trout			349,400	12,613	471,100	26,938	820,500	39,551	
Total Distributed			349,400	12,613	471,100	26,938	820,500	39,551	
Jordan River NFH									
-Lake trout	30,000	11	2,280,600	53,444	1,896,160	112,240	4,206,760	165,695	
-Lake trout (t)	350,000	119	507,000	4,832			857,000	4,951	
Total Distributed	30,000	11	2,280,600	53,444	1,896,160	112,240	4,206,760	165,695	
Total Transferred	350,000	119	507,000	4,832			857,000	4,951	
Pendills Creek NFH									
-Lake trout			1,134,400	37,569			1,134,400	37,569	
Total Distributed			1,134,400	37,569			1,134,400	37,569	

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			465,800	7,344	112,138	31,493	577,938	38,837	
-Rainbow trout (t)			2,637,750	23,186			2,637,750	23,186	
Total Distributed			465,800	7,344	112,138	31,493	577,938	38,837	
Total Transferred			2,637,750	23,186			2,637,750	23,186	
Ohio									
Senecaville NFH									
-Striped bass					173,442	19,995	173,442	19,995	
-Striped bass (t)	123,175	191	166,532	455			289,707	646	
Total Distributed					173,442	19,995	173,442	19,995	
Total Transferred	123,175	191	166,532	455			289,707	646	
Wisconsin									
Genoa NFH									
-Black bullhead			12,150	11			12,150	11	
-Black crappie					2	1	2	1	
-Bluegill	10,000	22	150	4	30	15	10,180	41	
-Brook trout			6,510	155	7,610	409	14,120	564	
-Brown trout									40,000
-Carp					270	945	270	945	
-Channel catfish					437	44	437	44	
-Flathead catfish			10,000	41			10,000	41	
-Green sunfish			100	1			100	1	
-Largemouth bass			313,918	980	1,005	101	314,923	1,081	
-Largemouth bass (t)			150,020	442			150,020	442	
-Northern pike					20	100	20	100	
-Rainbow trout			24,860	460	2,135	240	26,995	700	663,332
-Yellow perch					304	51	304	51	

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)									
Total Distributed	10,000	22	367,688	1,652	11,813	1,906	389,501	3,580	703,332
Total Transferred			150,020	442			150,020	442	
Iron River NFH									
-Lake trout									
-Lake trout (t)			133,644	2,101			133,644	2,101	
Total Distributed							0	0	
Total Transferred			133,644	2,101			133,644	2,101	
Region 3 - Total Distributed	40,000	33	4,597,888	112,622	2,664,653	192,572	7,302,541	305,227	703,332
Region 3 - Total Transferred	473,175	310	3,594,946	31,016			4,068,121	31,326	
Region 3 - Total Shipped	513,175	343	8,192,834	143,638	2,664,653	192,572	11,370,662	336,553	703,332
Region 4									
Alabama									
Carbon Hill NFH									
-Blue catfish			36,000	600			36,000	600	
-Bluegill	375,000	375	1,000	10			376,000	385	
-Channel catfish			121,700	1,914			121,700	1,914	
-Largemouth bass	52,700	16					52,700	16	
-Largemouth bass (t)	30,000	25					30,000	25	
-Striped bass	76,000	60	24,599	1,721			100,599	1,781	
-Walleye	182,300	118					182,300	118	
Total Distributed	686,000	569	183,299	4,245			869,299	4,814	
Total Transferred	30,000	25					30,000	25	

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	Number
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	(Pounds)		

Region 4 (Continued)

Arkansas

Greens Ferry NFH								
-Rainbow trout			41,386	638	813,872	196,183	855,258	196,821
Total Distributed			41,386	638	813,872	196,183	855,258	196,821

Mammoth Spring NFH								
-Bluegill	202,500	172					202,500	172
-Channel catfish			149,240	1,244			149,240	1,244
-Largemouth bass	143,590	108	7,000	12			150,590	120
-Redear sunfish	733,075	679					733,075	679
-Smallmouth bass	19,000	19					19,000	19
-Striped bass			5,500	375			5,500	375
-Striped bass (t)					80	560	80	560
-Tiger Muskie			11,640	49			11,640	49
-Walleye	535,000	253	30,000	30			565,000	283
Total Distributed	1,633,165	1,231	203,380	1,710			1,836,545	2,941
Total Transferred					80	560	80	560

Norfolk NFH								
-Brown trout			239,017	11,913	19,338	6,587	258,355	18,500
-Cutthroat trout			341,812	19,863	113,008	30,090	454,820	49,953
-Lake trout			168,348	5,941			168,348	5,941
-Rainbow trout			830,787	28,507	1,790,098	385,587	2,620,885	414,094
Total Distributed			1,579,964	66,224	1,922,444	422,264	3,502,408	488,488

Florida

Welaka NFH								
-Atlantic sturgeon			200	1	60	1	260	2
-Bluegill			11,700	40			11,700	40
-Channel catfish					2,325	129	2,325	129
-Channel catfish (t)					5,510	510	5,510	510

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 (Continued)									
Welaka NFH (Continued)									
-Largemouth bass	96,800	67	2,560	8			99,360	75	
-Largemouth bass (t)	80,700	69			180	345	80,880	414	
-Redear sunfish			2,900	9			2,900	9	
-Striped bass	1,423,900	954	20,680	99	1,646	792	1,446,226	1,845	100,000
-Striped bass (t)	926,200	235	1,000	2			927,200	237	
Total Distributed	1,520,700	1,021	38,040	157	4,031	922	1,562,771	2,100	100,000
Total Transferred	1,006,900	304	1,000	2	5,690	855	1,013,590	1,161	
Georgia									
Bo Ginn NFH/AQ									
-Bluegill	458,750	456					458,750	456	
-Channel catfish	20,000	1	158,175	2,648	4,314	906	182,489	3,555	
-Channel catfish (t)			15,500	326			15,500	326	
-Largemouth bass	65,010	57	1,530	5			66,540	62	
-Redear sunfish	173,800	109	450	1			174,250	110	
-Shortnose sturgeon									
-Shortnose sturgeon (t)					105	47	105	47	
-Striped bass	166,157	73	2,230	193	48,773	6,052	217,160	6,318	
-Striped bass (t)	59,577	97			578	934	60,155	1,031	
Total Distributed	883,717	696	162,385	2,847	53,087	6,958	1,099,189	10,501	
Total Transferred	59,577	97	15,500	326	683	981	75,760	1,404	
Chattahoochee Forest NFH									
-Rainbow trout			383,302	14,713	238,106	53,799	621,408	68,512	
Total Distributed			383,302	14,713	238,106	53,799	621,408	68,512	
Warm Springs NFH									
-Striped bass	116,427	93	1,003	3	42,005	5,997	159,435	6,093	
-Striped bass (t)					1	13	1	13	

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)									
Georgia (Continued)									
Warm Springs NFH (Continued)									
Total Distributed	116,427	93	1,003	3	42,005	5,997	159,435	6,093	
Total Transferred					1	13	1	13	
Kentucky									
Wolf Creek NFH									
-Brown trout			9,700	281	42,085	8,025	51,785	8,306	
-Rainbow trout			208,476	6,506	625,074	188,517	833,550	195,023	
Total Distributed			218,176	6,787	667,159	196,542	885,335	203,329	
Louisiana									
Natchitoches NFH									
-Blue catfish			293,579	9,363			293,579	9,363	
-Bluegill	786,383	1,109					786,383	1,109	
-Channel catfish	71,680	6	293,177	5,249			364,857	5,255	
-Channel catfish (t)	77,600	15					77,600	15	
-Largemouth bass	492,922	565					492,922	565	
-Redear sunfish	163,350	274	200	1			163,550	275	
-Striped bass	573,361	472	200	1	12,674	1,483	586,235	1,956	
-Striped bass (t)	2,611,000	3					2,611,000	3	
-Striped bass hybrid	365,426	384	32,000	64			397,426	448	
Total Distributed	2,453,122	2,810	619,156	14,678	12,674	1,483	3,084,952	18,971	
Total Transferred	2,688,600	18					2,688,600	18	
Mississippi									
Meridian NFH									
-Bluegill	1,191,050	968					1,191,050	968	
-Channel catfish			94,200	358			94,200	358	

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 (Continued)									
Meridian NFH (Continued)									
-Largemouth bass			262,495	794			262,495	794	
-Largemouth bass (t)			20,000	20			20,000	20	
-Redear sunfish	510,450	416					510,450	416	
-Striped bass			511,538	2,313	20,234	2,023	531,772	4,336	
-Striped bass hybrid			250,000	220			250,000	220	
Total Distributed	1,701,500	1,384	1,118,233	3,685	20,234	2,023	2,839,967	7,092	
Total Transferred			20,000	20			20,000	20	
Private John Allen NFH									
-Blue catfish					6,000	334	6,000	334	
-Bluegill	483,692	919	96,517	238			580,209	1,157	
-Channel catfish					5,000	276	5,000	276	
-Flathead catfish					3,200	160	3,200	160	
-Largemouth bass			66,094	384			66,094	384	
-Redear sunfish	775,943	1,234	31,008	124			806,951	1,358	
-Striped bass			5,950	350			5,950	350	
Total Distributed	1,259,635	2,153	199,569	1,096	14,200	770	1,473,404	4,019	
North Carolina									
Edenton NFH									
-Striped bass	175,000	133	180,694	15,520	5,057	794	360,751	16,447	
-Striped bass (t)	685,000	119	25,884	60			710,884	179	
Total Distributed	175,000	133	180,694	15,520	5,057	794	360,751	16,447	
Total Transferred	685,000	119	25,884	60			710,884	179	
Mckinney Lake NFH									
-Bluegill	40,000	40	7,000	140			47,000	180	
-Largemouth bass	20,000	23					20,000	23	
-Striped bass	650,000	266	172,642	13,610			822,642	13,876	

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)									
North Carolina (Continued)									
Mckinney Lake NFH (Continued)									
-Striped bass hybrid					5,222	2,140	5,222	2,140	
Total Distributed	710,000	329	179,642	13,750	5,222	2,140	894,864	16,219	
South Carolina									
Bears Bluff NFH									
-Striped bass			6,000	857	9,000	589	15,000	1,446	
Total Distributed			6,000	857	9,000	589	15,000	1,446	
Orangeburg NFH									
-Channel catfish					4,950	510	4,950	510	
-Largemouth bass					35	70	35	70	
-Redbreast sunfish	545,600	496					545,600	496	
-Shortnose sturgeon	39,163	2	3,850	1	800	40	43,813	43	
-Shortnose sturgeon (t)	33,500	2					33,500	2	
-Striped bass	564,725	509	152,145	11,210	1,297	143	718,167	11,862	
-Striped bass (t)	50,003	80					50,003	80	
Total Distributed	1,149,488	1,007	155,995	11,211	7,082	763	1,312,565	12,981	
Total Transferred	83,503	82					83,503	82	
Walhalla NFH									
-Brown trout			180,312	2,801	67,376	9,561	247,688	12,362	
-Rainbow trout			408,920	11,232	200,503	50,675	609,423	61,907	
Total Distributed			589,232	14,033	267,879	60,236	857,111	74,269	
Tennessee									
Dale Hollow NFH									
-Brown trout					160,417	24,354	160,417	24,354	
-Rainbow trout			333,034	5,057	582,292	159,882	915,326	164,939	
-Rainbow trout (t)			500,778	2,081			500,778	2,081	

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)									
Tennessee (Continued)									
Dale Hollow NFH (Continued)									
Total Distributed			333,034	5,057	742,709	184,236	1,075,743	189,293	
Total Transferred			500,778	2,081			500,778	2,081	
Erwin NFH									
-Rainbow trout			65,590	723	47,537	46,536	113,127	47,259	14,962,575
Total Distributed			65,590	723	47,537	46,536	113,127	47,259	14,962,575
Region 4 - Total Distributed	12,288,754	11,426	6,258,080	177,934	4,872,298	1,182,235	23,419,132	1,371,595	15,062,575
Region 4 - Total Transferred	4,553,580	645	563,162	2,489	6,454	2,409	5,123,196	5,543	
Region 4 - Total Shipped	16,842,334	12,071	6,821,242	180,423	4,878,752	1,184,644	28,542,328	1,377,138	15,062,575
Region 5									
Massachusetts									
Berkshire NFH									
-Atlantic salmon									896,734
Total Distributed							0	0	896,734
North Attleboro NFH									
-Atlantic salmon	579,197	196	70,051	1,059	59,959	8,613	709,207	9,868	
-Striped bass			36,776	716			36,776	716	
Total Distributed	579,197	196	106,827	1,775	59,959	8,613	745,983	10,584	
Richard Cronin NSS									
-Atlantic salmon									237,400
-Atlantic salmon (t)					483	1,682	483	1,682	
Total Distributed							0	0	237,400
Total Transferred					483	1,682	483	1,682	

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)									
Maine									
Craig Brook NFH									
-Atlantic salmon			11,317	925	220,486	35,029	231,803	35,954	1,715,326
-Landlocked Atlantic salmon					334	32	334	32	
Total Distributed			11,317	925	220,820	35,061	232,137	35,986	1,715,326
Green Lake NFH									
-Atlantic salmon	120	2	278,621	8,352	399,414	43,718	678,155	52,072	1,195,557
-Brook trout					3,250	1,486	3,250	1,486	
-Lake trout	30	1					30	1	
-Landlocked Atlantic salmon	30	1			1,488	331	1,518	332	307
Total Distributed	180	4	278,621	8,352	404,152	45,535	682,953	53,891	1,195,864
New Hampshire									
Nashua NFH									
-Atlantic salmon			84,035	3,368	9,843	1,460	93,878	4,828	1,610,800
-Atlantic salmon (t)					339	1,529	339	1,529	
Total Distributed			84,035	3,368	9,843	1,460	93,878	4,828	1,610,800
Total Transferred					339	1,529	339	1,529	
Pennsylvania									
Allegheny NFH									
-Lake trout			257,190	7,163	919,959	102,399	1,177,149	109,562	578,000
-Rainbow trout					56,960	29,196	56,960	29,196	
Total Distributed			257,190	7,163	976,919	131,595	1,234,109	138,758	578,000
Lamar FTC/NF									
-Brook trout					28,935	7,632	28,935	7,632	
-Rainbow trout					72,696	25,941	72,696	25,941	
-Striped bass			1,200	2			1,200	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 5 (Continued)									
Pennsylvania (Continued)									
Lamar FTC/NF (Continued)									
Total Distributed			1,200	2	101,631	33,573	102,831	33,575	
Virginia									
Harrison Lake NFH									
-Channel catfish			1,580	24	3,470	3,168	5,050	3,192	
-Largemouth bass			3,341	257			3,341	257	
-Redear sunfish			20,096	135			20,096	135	
-Striped bass			102,216	7,300			102,216	7,300	
Total Distributed			127,233	7,716	3,470	3,168	130,703	10,884	
Vermont									
Pittsford NFH									
-Atlantic salmon	126,743	45					126,743	45	
-Landlocked Atlantic salmon	279,659	105	263,696	13,145	71,535	4,751	614,890	18,001	
Total Distributed	406,402	150	263,696	13,145	71,535	4,751	741,633	18,046	
White River NFH									
-Atlantic salmon	464,918	215	438,449	7,001	218,785	33,370	1,122,152	40,586	
Total Distributed	464,918	215	438,449	7,001	218,785	33,370	1,122,152	40,586	
West Virginia									
Bowden NFH									
-Brook trout			54,100	1,448	39,450	22,859	93,550	24,307	
-Brown trout			68,200	914	13,187	11,663	81,387	12,577	
-Rainbow trout					118,724	118,724	190,551	118,724	
-Striped bass			86,865	3,871			86,865	3,871	

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)									
West Virginia (Continued)									
Bowden NFH (Continued)									
Total Distributed			209,165	6,233	243,188	153,246	452,353	159,479	
White Sulphur Springs NFH									
-Brook trout	1,600	1	51,247	361	6,629	5,721	59,476	6,083	2,935,929
-Brook trout (t)			44,000	384			44,000	384	
-Brown trout			42,123	567	12,504	9,435	54,627	10,002	931,547
-Brown trout (t)			13,721	218			13,721	218	
-Rainbow trout	191,888	23	160	3	18,866	21,865	210,914	21,891	7,355,682
-Rainbow trout (t)					72,000	6,000	72,000	6,000	
Total Distributed	193,488	24	93,530	931	37,999	37,021	325,017	37,976	11,223,158
Total Transferred			57,721	602	72,000	6,000	129,721	6,602	
Region 5 - Total Distributed	1,644,185	589	1,871,263	56,611	2,348,301	487,393	5,863,749	544,593	17,457,282
Region 5 - Total Transferred			57,721	602	72,822	9,211	130,543	9,813	
Region 5 - Total Shipped	1,644,185	589	1,928,984	57,213	2,421,123	496,604	5,994,292	554,406	17,457,282
Region 6									
Colorado									
Hotchkiss NFH									
-Cutthroat trout			43,855	311			43,855	311	
-Kokanee			72,613	116			72,613	116	
-Rainbow trout			1,058,204	52,563	461,373	56,030	1,519,577	108,593	
Total Distributed			1,174,672	52,990	461,373	56,030	1,636,045	109,020	
Leadville NFH									
-Brook trout			5,000	190			5,000	190	
-Cutthroat trout	22,200	18	8,000	14	217,579	62,385	247,779	62,417	
-Rainbow trout			223,406	3,077	293,861	63,338	517,267	66,415	

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)									
Colorado (Continued)									
Leadville NFH (Continued)									
Total Distributed	22,200	18	236,406	3,281	511,440	125,723	770,046	129,022	
Montana									
Bozeman FTC									
-Arctic grayling			30,110	311			30,110	311	
-Brown trout			40,200	576			40,200	576	
-Cutthroat trout					809	60	809	60	
-Lake trout					6,300	1,084	6,300	1,084	
-Rainbow trout	22,256	10	37,135	951	10,575	4,251	69,966	5,212	
-Walleye					998	111	998	111	
Total Distributed	22,256	10	107,445	1,838	18,682	5,506	148,383	7,354	
Creston NFH									
-Brook trout			94,409	1,124	95,493	10,777	189,902	11,901	
-Cutthroat trout	20,151	10	59,415	750	5,200	1,120	84,766	1,880	
-Rainbow trout			494,998	11,438	449,042	54,887	944,040	66,325	6,821,363
Total Distributed	20,151	10	648,822	13,312	549,735	66,784	1,218,708	80,106	6,821,363
Ennis NFH									
-Rainbow trout			262,668	2,720	29,284	41,566	291,952	44,286	23,640,318
Total Distributed			262,668	2,720	29,284	41,566	291,952	44,286	23,640,318
North Dakota									
Garrison Dam NFH									
-Brown trout			52,995	604	174,684	15,254	227,679	15,858	
-Fall chinook salmon			275,000	4,320			275,000	4,320	
-Northern pike	3,803,139	533	1,806,032	1,180			5,609,171	1,713	
-Paddlefish			110,873	279	12,778	242	123,651	521	
-Paddlefish (t)			320,000	11			320,000	11	

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)									
Garrison Dam NFH (Continued)									
-Rainbow trout			354,524	17,684	162,966	20,316	517,490	38,000	
-Rainbow trout (t)			13,000	294			13,000	294	
-Shovelnose sturgeon					21	100	21	100	
-Steelhead					35,680	2,326	35,680	2,326	
-Walleye	12,199,695	2,126	565,813	583			12,765,508	2,709	
Total Distributed	16,002,834	2,659	3,165,237	24,650	386,129	38,238	19,554,200	65,547	
Total Transferred			333,000	305			333,000	305	
Valley City/									
Baldhill Dam NFH									
-Channel catfish			45,000	392			45,000	392	
-Largemouth bass	18,300	16	47,800	115			66,100	131	
-Muskellunge			35,452	174	7,930	563	43,382	737	
-Northern pike	9,654,000	163	980,180	1,264			10,634,180	1,427	
-Smallmouth bass			25,000	50	32	142	25,032	192	
-Tiger Muskie			19,600	35			19,600	35	
-Walleye	9,022,420	894	20,400	114	340	34	9,043,160	1,042	
Total Distributed	18,694,720	1,073	1,173,432	2,144	8,302	739	19,876,454	3,956	
South Dakota									
Gavins Point NFH									
-Bluegill	325,000	364	40,000	169	80	40	365,080	573	
-Brook trout			7,500	383	2,300	550	9,800	933	
-Channel catfish			621,790	8,728			621,790	8,728	
-Channel catfish (t)	1,100,000	122					1,100,000	122	
-Fall chinook salmon									89,000
-Fathead minnow			160,000	800			160,000	800	
-Hybrid sunfish									
-Hybrid sunfish (t)	3,000	1					3,000	1	

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)									
-Largemouth bass	175,000	221	125,000	487	240	720	300,240	1,428	
-Largemouth bass (t)					100	75	100	75	
-Muskellunge									300,000
-Northern pike	3,227,000	85					3,227,000	85	3,000,000
-Paddlefish					19,980	1,722	19,980	1,722	1,180,000
-Rainbow trout			6,000	366	24,682	6,220	30,682	6,586	
-Sauger	1,400,000	5	3,500	4			1,403,500	9	
-Saugeye	2,774,000	69	97,000	97			2,871,000	166	3,000,000
-Shovelnose sturgeon			300	1	52	2	352	3	11,000
-Smallmouth bass	348,800	385	90,000	198	630	1,310	439,430	1,893	
-Tiger Muskie	400,000	11	50,000	103			450,000	114	
-Walleye	23,924,400	1,252	366,900	347			24,291,300	1,599	61,036,000
Total Distributed	32,574,200	2,392	1,567,990	11,683	47,964	10,564	34,190,154	24,639	68,616,000
Total Transferred	1,103,000	123			100	75	1,103,100	198	
Utah									
Jones Hole NFH									
-Brook trout			8,379	399	6,867	630	15,246	1,029	
-Brook trout (t)			9,831	250			9,831	250	
-Brown trout			150,975	4,231	65,381	6,044	216,356	10,275	
-Cutthroat trout			81,865	2,294	90,125	13,565	171,990	15,859	
-Cutthroat trout (t)			255,750	3,325			255,750	3,325	
-Rainbow trout			929,333	32,759	622,744	119,651	1,552,077	152,410	
Total Distributed			1,170,552	39,683	785,117	139,890	1,955,669	179,573	
Total Transferred			265,581	3,575			265,581	3,575	

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)									
Wyoming									
Jackson NFH									
-Cutthroat trout			270,063	11,732	164,815	19,672	434,878	31,404	
Total Distributed			270,063	11,732	164,815	19,672	434,878	31,404	
Saratoga NFH									
-Brook trout			45,305	137			45,305	137	
-Brown trout					653	1,306	653	1,306	5,733,208
-Cutthroat trout			165,473	1,949	10,268	4,922	175,741	6,871	1,822,002
-Lake trout					1,053	6,002	1,053	6,002	797,712
-Rainbow trout			270,125	3,698	128,222	15,956	398,347	19,654	
Total Distributed			480,903	5,784	140,196	28,186	621,099	33,970	8,352,922
Region 6 - Total Distributed	67,336,361	6,162	10,258,190	169,817	3,103,037	532,898	80,697,588	708,877	107,430,603
Region 6 - Total Transferred	1,103,000	123	598,581	3,880	100	75	1,701,681	4,078	
Region 6 - Total Shipped	68,439,361	6,285	10,856,771	173,697	3,103,137	532,973	82,399,269	712,955	107,430,603
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Grand Total Distributed	89,840,392	22,303	91,960,591	1,531,366	27,190,110	4,237,287	208,991,093	5,790,956	150,349,002
Grand Total Transferred	6,899,011	1,405	6,967,251	104,639	186,659	23,314	14,052,921	129,358	
Grand Total Shipped	96,739,403	23,708	98,927,842	1,636,005	27,376,769	4,260,601	223,044,014	5,920,314	150,349,002



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.



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