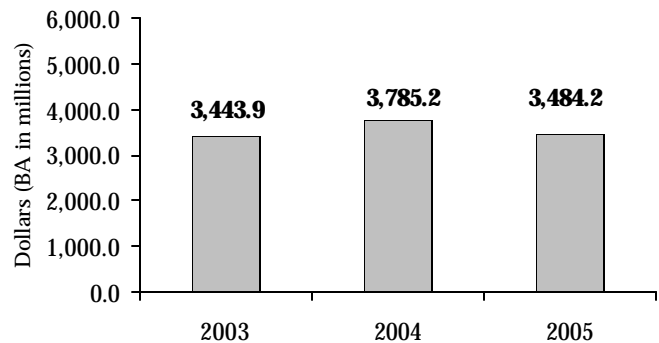


National Oceanic and Atmospheric Administration

The budget for the National Oceanic and Atmospheric Administration (NOAA) is divided into two primary accounts, Operations, Research and Facilities (ORF) and Procurement, Acquisition and Construction (PAC). Other accounts also include the Pacific Coastal Salmon Recovery Fund, Coastal Impact Assistance Fund, Fishermen's Contingency Fund, Foreign Fishing Observer Fund, Fisheries Finance Program Account, Promote and Develop American Fishery Products and Research Pertaining to American Fisheries Fund, Damage Assessment and Restoration Revolving Fund, Coastal Zone Management Fund, Federal Ship Financing Fund, the Limited Access System Administration Fund, and the Environmental Improvement and Restoration Fund.

NOAA Funding



Operations, Research and Facilities Activities

National Ocean Service (NOS):

NOS provides for the management of ocean and coastal resources, particularly in the 200-mile Exclusive Economic Zone (EEZ), and for improvements in quality, quantity, geographic distribution and timeliness of ocean observations. Mapping and charting activities produce nautical charts and supporting documents that are compiled and sold to the public and other Federal agencies. Understanding of the coastal environment is enhanced through the coastal science and the coastal zone management programs. NOS also establishes marine sanctuaries and estuarine research reserves of national significance.

National Marine Fisheries Service (NMFS):

NMFS manages fisheries within the 200-mile Exclusive Economic Zone (EEZ) to ensure the health of commercial and recreational fishery stocks. Fishery stocks are surveyed, catch data are collected, and research is conducted to better understand the variables affecting the abundance and variety of marine fisheries. Protection of endangered marine species, restoration of coastal and estuarine fishery habitats, and enforcement of fishery regulations are also primary bureau activities. Research is conducted in conjunction with states on interjurisdictional and anadromous fishery resources.

Oceanic and Atmospheric Research (OAR):

OAR provides the research and technology development necessary to improve NOAA weather services, seasonal climate outlooks, solar-terrestrial forecasts and marine services. OAR contributes scientific information to advise national policy decisions in areas such as climate change, air quality and stratospheric ozone depletion. OAR seeks to promote economic growth through efforts in marine biotechnology; sustainable usage of coastal, marine and Great Lakes resources; and development of environmental observing technologies.

National Weather Service (NWS):

NWS provides weather and flood warnings and forecasts to the general public and other users. Weather satellites as well as staffed and automated stations on land and at sea gather meteorological observations of the atmosphere and the Earth's surface. Based on these observations, NWS meteorologists prepare warnings and forecasts for dissemination to the public.

National Environmental Satellite, Data and Information Service (NESDIS):

NESDIS operates the polar-orbiting and geostationary operational environmental satellites, develops the converged polar-orbiting satellite series with the Department of Defense and NASA, and manages NOAA's environmental data collections for use in studying long-term environmental change. The polar and geostationary satellites provide meteorological data to the National Weather Service for use in developing warnings and forecasts. Environmental data and information are collected from NOAA and other sources, disseminated and archived for future use.

Program Support (PS):

Program Support includes Corporate Services, Facilities, and the Office of Marine and Aviation Operations (OMAO). Through Corporate Services, NOAA provides centralized management concerning policy and planning objectives, individual program operations, legal counsel, Legislative and public affairs. NOAA also provides management services to NOAA/DOC field offices through the regional Administrative Support Centers. The Facilities subactivity provides for the maintenance, repair and minor modification of existing NOAA-wide facilities, facilities planning and design, energy management and environmental compliance. OMAO operates and maintains NOAA's ships and aircraft and uses them to collect data to support NOAA's mission. OMAO also provides technical and management support through the NOAA Commissioned Corps, assists with outsourcing for ship and aircraft support, and plans and implements the modernization of the NOAA fleet.

Other NOAA Accounts:

The **Pacific Coastal Salmon Recovery Fund** was established in FY 2000 to fund a new Pacific Coastal Salmon Recovery initiative for the purpose of sharing the costs of State, local, and tribal salmon conservation initiatives. Utilization of this fund supports NOAA's contribution to a broad interdepartmental initiative bolstering Federal capabilities to assist in the conservation of at-risk salmon runs in the western states of California, Washington, Oregon, Idaho, and Alaska. Grants are matched by 25 percent with non-Federal contributions. The Secretary established terms and conditions to ensure effective use of the funds as well as specific reporting requirements to ensure full accountability by users of the fund.

The **Fishermen's Contingency Fund** is used to compensate domestic fishermen for the damage or loss of fishing gear and resulting economic loss due to obstructions related to oil and gas exploration, development or production in the Outer Continental Shelf. The funds are derived from fees collected annually by the Secretary of the Interior from the holders of leases, explorations, permits, easements, and rights of way.

The **Foreign Fishing Observer Fund** provides observer coverage of foreign fishing activities within the 200-mile EEZ. The fund is financed by fees collected from foreign governments with fishing vessels within the exclusive fishery jurisdiction of the U.S. The fund is used to pay salaries, administrative costs, data entry, and other expenses associated with the placement of observers aboard foreign fishing vessels.

The **Fisheries Finance Program Account** provides direct loans that promote building sustainable fisheries. The program will be used for the following purposes in FY 2005: fishing capacity reduction, individual fishing quotas, aquaculture facilities, reconditioning of fishing vessels for the purpose of reducing bycatch or reducing capacity in an overfished fishery, and the purchase of assets sold at foreclosure. The re-authorization of the Magnuson-Stevens Fisheries Conservation and Management Act in October 1996 changed the program to provide direct loans rather than loan guarantees previously made under the Fishing Vessel Obligation Guarantee appropriation.

The **Promote and Develop American Fishery Products & Research Pertaining to American Fisheries Fund** receives 30 percent of the import duties the Department of Agriculture collects on fishery-related products. A portion of these funds is used to offset marine fishery resource programs in the Operations, Research and Facilities appropriation in FY 2005. The remaining funds are used to promote industry development through competitively-awarded external grants for innovative research and development of projects in the fishing industry and for internal research that complements the external program.

The **Damage Assessment and Restoration Revolving Fund (DARRF)** receives proceeds from claims against responsible parties, as determined through court settlements or agreements, for damages to natural resources for which NOAA serves as trustee. In FY 1999 and prior years, funds were transferred to the Operations, Research and Facilities account for purposes of damage assessment and restoration. Beginning in FY 2000, funds were expended in the DARRF and treated as mandatory budget authority.

The **Coastal Zone Management Fund (CZM)** was established under the Omnibus Budget Reconciliation Act of 1990 (P.L. 101--158, Sec. 6201-6216) to receive repayments from the coastal energy impact program. These payments are used for CZM programs and administration as authorized by section 308 of the Coastal Zone Management Act (CZMA), and will offset CZM administration costs in the ORF account.

The **Federal Ship Financing Fund** manages the loan guarantee portfolio that existed prior to the enactment of the Federal Credit Reform Act of 1990.

The **Limited Access Fund** was established by Title III of Public Law 104-297. Fee collections equaling no more than one-half percent of the proceeds from the sale or transfer of limited access system permits are deposited into the Fund. These deposits to the Fund are used to administer an exclusive central registry system for the limited access system permits.

The **Environmental Improvement and Restoration Fund (EIRF)** was created by the Department of the Interior and Related Agencies Act, 1998, for the purpose of carrying out marine research activities in the North Pacific. These funds will provide grants to Federal, State, private or foreign organizations or individuals to conduct research activities on or relating to the fisheries or marine ecosystems in the North Pacific Ocean, Bering Sea, and Arctic Ocean.

Summary of FTE

	2003 <u>Actual</u>	2004 <u>Estimate</u>	2005 <u>Estimate</u>	Increase <u>(Decrease)</u>
Operations, Research & Facilities (ORF)	11,425	11,916	11,970	54
ORF Reimbursable	769	849	849	0
Procurement, Acquisition & Construction (PAC)	355	148	174	26
Damage Assessment & Restoration Fund	14	16	16	0
Promote & Develop American Fishery Products	4	4	4	0
Limited Access System Administration	18	0	0	0
Fishermen's Contingency Fund	1	1	1	0
TOTAL	12,586	12,934	13,014	80

Summary of Appropriations

(Dollars in thousands)

<u>Appropriation</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>Increase</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>(Decrease)</u>
Operations, Research & Facilities (ORF)	\$2,398,059	\$2,657,598	\$2,377,841	(\$279,757)
Procurement, Acquisition & Construction (PAC)	819,096	985,772	898,510	(87,262)
Coastal Zone Management Fund	0	0	3,000	3,000
Coastal Impact Assistance Fund	(6,938)	0	0	0
Fishermen's Contingency Fund	1	0	956	956
Foreign Fishing Observer Fund	1	0	191	191
Fisheries Finance Program Account	285	989	287	(702)
Pacific Coastal Salmon Recovery	129,155	89,052	100,000	10,948
TOTAL APPROPRIATION	3,339,659	3,733,411	3,380,785	(352,626)
Transfers:				
<u>Operations, Research & Facilities</u>				
FROM: Promote & Develop Fishery Products	65,000	62,000	79,000	17,000
Coastal Zone Management Fund	0	0	3,000	3,000
TO: Marine Mammal Commission	0	(1,194)	0	1,194
Subtotal, ORF	65,000	60,806	82,000	21,194
<u>Coastal Zone Management Fund</u>				
TO: ORF	0	0	(3,000)	(3,000)
<u>Promote & Develop American Fishery Products (P&D)</u>				
TO: ORF	(65,000)	(62,000)	(79,000)	(17,000)
FROM: Department of Agriculture	75,224	79,724	79,724	0
Subtotal, P&D	10,224	17,724	724	(17,000)
TOTAL TRANSFERS	75,224	78,530	79,724	1,194
Unobligated balances, rescission				
Operations, Research & Facilities (ORF)	0	(22,855)	0	22,855
Procurement, Acquisition & Construction (PAC)	0	(24,881)	0	24,881
Coastal and Ocean Activities	0	(2,500)	0	2,500
Fishermen's Contingency Fund	0	(603)	0	603
Foreign Fishing Observer Fund	0	(671)	0	671
TOTAL UNOBLIGATED BALANCES, RESCISSION	0	(51,510)	0	51,510
Mandatory Accounts				
Damage Assessment & Restoration Revolving Fund	748	1,000	1,000	0
Fisheries Finance Program Account	7,416	2,897	0	(2,897)
Environmental Improvement and Restoration Fund	2,842	2,150	4,219	2,069
CZMF mandatory offsetting collections	(1,279)	(3,000)	(3,000)	0
NOAA Corps Retirement Pay	15,705	18,043	17,822	(221)
Limited Access System Administration	3,634	3,634	3,634	0
TOTAL BUDGET AUTHORITY	3,443,949	3,785,155	3,484,184	(300,971)
Mandatory Funds	104,290	104,448	103,399	(1,049)

	2003	2004	2005	Increase
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>(Decrease)</u>
Discretionary Budget Authority				
Operations, Research & Facilities (ORF)	2,463,059	2,695,549	2,456,841	(238,708)
P&D Transfer	(65,000)	(62,000)	(79,000)	(17,000)
Procurement, Acquisition & Construction (PAC)	819,096	960,891	898,510	(62,381)
Coastal and Ocean Activities	0	(2,500)	0	2,500
Coastal Zone Management Fund	0	0	3,000	3,000
Coastal Impact Assistance Fund	(6,938)	0	0	0
Fishermen's Contingency Fund	1	(603)	956	1,559
Foreign Fishing Observer Fund	1	(671)	191	862
Fisheries Finance Program Account	285	989	287	(702)
Pacific Coastal Salmon Recovery	129,155	89,052	100,000	10,948
TOTAL BUDGET AUTHORITY	3,339,659	3,680,707	3,380,785	(299,922)

Highlights of Budget Changes

Appropriation: Operations, Research and Facilities

Summary of Requirements

	Detailed		Summary	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2004 Appropriation			11,916	\$2,657,598
Transfers				
From Promote and Develop American Fisheries		\$62,000		
To Marine Mammal Commission		(1,194)		
Subtotal, Transfers			0	60,806
Adjustments to Base:				
Adjustments				
Less: Terminations and Unrequested Projects		(386,096)		
Restoration of Rescissions		7,694		
Transfer from PAC of NOAA Maintenance Backlog		5,000		
Transfer to ORF of NOAA Maintenance Cyclical		2,550		
Transfer from PAC for NSOF		857		
Transfer from PAC for WFO Maintenance		7,313		
Transfer from PAC for NMFS Computer Hardware/Software		3,455		
Subtotal, Adjustments			0	(359,227)
Other Cost Changes				
2004 Pay raise		2,705		
2005 Pay raise		10,176		
Payment to Working Capital Fund		201		
Pay banding		2,003		
Wage mariners pay adjustment		18		
OMAO Wage Marine Overtime on NOAA Ships		70		
Full year costs in FY 2005 of positions financed for part-year in FY 2004	7	906		
Within-grade step increases		8,505		
Change in compensable day		(3,430)		

	Detailed		Summary	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Civil Service Retirement System(CSRS)		(\$1,442)		
Federal Employees' Retirement System(FERS)		2,227		
Thrift Savings Plan		411		
Federal Insurance Contributions Act (FICA) -OASDI		1,132		
Health insurance		5,787		
Employees' Compensation Fund		1,000		
Travel:				
Per diem		634		
Mileage		(12)		
Rent payments to GSA		10,625		
Printing and reproduction		37		
Other services:				
Working Capital Fund		2,299		
CAMS		356		
General Pricing Level Adjustment:				
Transportation of things		125		
Rental payments to others		1,463		
Communications, utilities and miscellaneous		265		
Other services		3,876		
Supplies		801		
Equipment		589		
Grants		326		
Wage Marine Pay Parity		2,047		
Subtotal, other cost changes		<u>2,047</u>	7	\$53,700
FTE Realignment			(21)	0
Less Amount Absorbed			0	(8,389)
TOTAL, ADJUSTMENTS TO BASE			<u>(14)</u>	<u>(253,110)</u>
2005 Base			11,902	2,404,488
Program Changes			68	68,353
TOTAL REQUIREMENTS			<u>11,970</u>	<u>2,472,841</u>
Recoveries from prior year obligations in FY 2004				(13,000)
Transfers:				
From Promote and Develop American Fishery Products and Research				(79,000)
From Coastal Zone Management Fund				(3,000)
2005 APPROPRIATION			<u>11,970</u>	<u>2,377,841</u>

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS								
National Ocean Service	1,222	\$502,528	1,222	\$378,044	1,224	\$378,811	2	\$767
National Marine Fisheries Service	2,790	621,339	2,792	521,753	2,812	623,192	20	101,439
Oceanic & Atmospheric Research	794	393,317	727	338,989	714	350,247	(13)	11,258
National Weather Service	4,532	722,007	4,600	735,499	4,600	749,238	0	13,739
National Environmental Satellite, Data & Information Service	735	151,670	714	133,940	714	148,983	0	15,043
Program Support	1,843	304,688	1,847	296,263	1,906	222,370	59	(73,893)
DIRECT OBLIGATIONS	11,916	2,695,549	11,902	2,404,488	11,970	2,472,841	68	68,353
NOAA Corp Retirement (mandatory)	0	18,043	0	17,822	0	17,822	0	0
TOTAL DIRECT OBLIGATIONS	11,916	2,713,592	11,902	2,422,310	11,970	2,490,663	68	68,353
REIMBURSABLE OBLIGATIONS								
Offsetting Collections	849	235,204	849	235,204	849	235,204	0	0
TOTAL OBLIGATIONS	12,765	2,948,796	12,751	2,657,514	12,819	2,725,867	68	68,353
FINANCING								
Federal Funds		(87,204)		(87,204)		(87,204)	0	0
Non-Federal Funds		(148,000)		(148,000)		(148,000)	0	0
Deobligations				(13,000)		(13,000)	0	0
Subtotal, Financing	(849)	(235,204)	(849)	(248,204)	(849)	(248,204)	0	0
TOTAL BUDGET AUTHORITY	11,916	2,713,592	11,902	2,409,310	11,970	2,477,663	68	68,353
Unobligated balance, rescission		22,855						
Transfers / Mandatory	0	(78,849)	0	(79,822)	0	(99,822)	0	(20,000)
APPROPRIATION, ORF	11,916	2,657,598	11,902	2,329,488	11,970	2,377,841	68	48,353

Highlights of Major Program Changes

National Ocean Service (NOS)	Base		Increase / Decrease	
	FTE	Amount	FTE	Amount
Navigation Services	606	\$117,122	+2	+\$14,605

Increases are requested to research, develop, and implement new oceanographic models for key ports (0 FTE; +\$495); to maintain the existing suite of Electronic Navigation Charts and expand the suite by 120 (0 FTE; +\$2,000); to extend the use of a vessel lease or time charter for hydrographic surveying in the Gulf of Mexico and Alaska (0 FTE; +\$8,600); to achieve geodetic data access and outreach activities (0 FTE; \$826); and to improve the National Water Level Observation Network (+2 FTE, \$2,684).

Ocean Resources Conservation and Assessment	413	\$121,653	0	-\$1,560
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Increases are requested to conduct harmful algal bloom and pfiesteria research (0 FTE; +\$6,598); to support the coastal storms pilot program (0 FTE; +\$250); to establish ecosystem-based management practices in coastal nations through the White Water to Blue Water initiative (0 FTE; +\$1,200); and to continue clean-up activities for the Pribilof Islands in Alaska (0 FTE; +\$2,000). Reductions are requested for certain grant programs including the Coastal Ocean Science program, coral reef activities, the National Fish and Wildlife Foundation, and the JASON Foundation (0 FTE; -\$11,608).

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Ocean and Coastal Management	203	\$139,269	0	-\$12,278

Decreases are requested for coastal management grants to states (0 FTE; -\$12,186) and for the operating costs of the National Marine Sanctuary Program (0 FTE; -\$92).

National Marine Fisheries Service (NMFS)

Fisheries Research and Management Services	1,805	\$328,181	+10	+\$40,365
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Increases are requested for activities in the science and technology and conservation and management line items, including NMFS facilities maintenance, Bluefin tuna tagging, Alaskan groundfish surveys and research, and implementation of the Magnuson-Stevens Act off Alaska (0 FTE; +\$15,473) to further understand the effects of climate change on marine and coastal ecosystems (0 FTE; +\$500); to modernize and expand annual stock assessments (0 FTE; +\$4,000); to support fisheries oceanography through stock assessments (0 FTE; +\$1,000); to strengthen living marine resource management (0 FTE; +\$2,000); to continue expansion of a multi-year comprehensive social sciences program (0 FTE; +\$1,020); to continue building a national observer program for the collection of high quality fisheries and environmental data to assess impacts on marine resources and fishing communities, particularly in the New England Groundfish fishery (+7 FTE; +\$9,872); to improve compliance with the National Environmental Policy Act (0 FTE; +\$5,000); and to streamline regulatory processes (+3 FTE; +\$1,500).

Protected Resources Research and Management Services	654	\$104,743	+10	+\$50,222
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Increased resources are requested for activities in the science and technology and conservation and management line items (0 FTE; +\$2,750); to support ongoing conservation and recovery programs for various species listed under the Endangered Species Act (0 FTE; +\$2,700); to expand protected resources stock assessments (+5 FTE; +\$1,000); to further implement the Columbia River system biological opinion (0 FTE; +\$15,100); to recover stocks of endangered Pacific Salmon (0 FTE; +\$18,197); to support data collection and research on sea turtles (0 FTE; +\$3,650); to support the Steller sea lion recovery plan (0 FTE; +\$6,035); to support research on marine mammals (0 FTE; +\$5,480); to support base conservation and management activities, including Section 7 consultations (+5 FTE; +\$6,273) ; to support Atlantic Salmon activities (0 FTE; +\$1,003); and to support right whale activities (0 FTE; +\$2,100). Decreases are requested for Steller sea lion recovery at the Alaska Sea Life Center, bottlenose dolphin research, Endangered Species Act – Pacific Salmon Recovery, and California Sea Lions (0 FTE; -\$14,066).

Habitat Conservation Research Management Services	104	\$43,120	0	+\$3,160
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An increase is requested for sustainable habitat management and fisheries habitat restoration activities (0 FTE; +\$3,182) and implementation of the Magnuson-Stevens Act off Alaska (0 FTE; +850). Decreases are requested for research on blue crab and fish stocks on the Charleston bump (0 FTE; -872).

Enforcement and Surveillance Services	229	\$45,709	0	+\$7,692
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Increases are requested for cooperative enforcement agreements with states (0 FTE; +\$2,500) and to expand the vessel monitoring system (0 FTE; +\$5,300). A decrease is requested for other enforcement and surveillance activities (0 FTE; -\$108).

Oceanic and Atmospheric Research (OAR)

Climate Research	367	\$170,038	-12	+\$13,336
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Increases are requested for climate research conducted in OAR's laboratories and joint institutes (0 FTE; +\$623) and for the President's multi-agency Climate Change Research Initiative (0 FTE; +\$23,735). Reductions are requested for the climate and global change base program and climate observations and services (-12 FTE; -\$11,022).

	<u>FTE</u>	<u>Base Amount</u>	<u>Increase / Decrease FTE</u>	<u>Amount</u>
Ocean, Coastal, and Great Lakes Research	167	\$105,559	-1	-\$2,078

Increases are requested to support ocean, coastal and Great Lakes research in laboratories and joint institutes (-1 FTE; +\$55); to continue research on invasive species (0 FTE; +\$495); and to provide aquaculture grants (0 FTE; +\$822).

Decreases are requested for the National Sea Grant College Program, the National Undersea Research Program, the Ocean Exploration Program, and Arctic research (0 FTE; -\$3,450).

National Weather Service (NWS)

Operations and Research (O&R)	4,418	\$643,481	0	+\$13,739
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Increases are requested for local warnings and forecasting programs (0 FTE, +\$7,239); to fund an increase to THORPEX: A Global Atmospheric Research Program (0 FTE, +\$1,000); and to fund implementation of a national Air Quality Forecasting Program (0 FTE, +\$5,500).

National Environmental, Satellite, Data, and Information Service

Environmental Satellite Observing Systems	411	\$84,937	0	+\$11,536
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Increases are requested satellite command and control and satellite product-related programs (0 FTE, \$8,636) and for operating costs for the NOAA Satellite Operations Facility (0 FTE, \$2,900).

Data Centers and Information Services	303	\$49,003	0	+\$3,507
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Increases are requested to improve service to users at NOAA's National Climatic, Geophysical, and Oceanographic Data Centers (0 FTE, +\$5,660) and for coastal data development (0 FTE; +\$38). A decrease is requested for modernization of environmental data systems (0 FTE; -\$2,191).

Program Support

Corporate Services	915	\$170,713	0	-\$88,698
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An increase is requested to fund the Commerce Administrative Management System (CAMS) (0 FTE; +\$5,668). A decrease is requested to reflect NOAA's intention to fund many offices under this heading on a fee-for-services basis, rather than through an appropriation (0 FTE, -\$93,984). A slight decrease is also requested in the Under Secretary and Associate Offices line item (0 FTE; -\$382).

Facilities	0	\$10,574	0	+\$9,224
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Increases are requested to fund the costs of managing, constructing, and maintaining NOAA's facilities (0 FTE, +\$6,657), to address environmental compliance issues (0 FTE, +\$2,017), and to support energy management activities (0 FTE; +\$550).

Office of Marine and Aviation Operations	922	\$112,976	+59	+\$5,581
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All costs of on-going maintenance, minor repairs, and planning for future fleet modernization and replacement efforts are accounted for in this subactivity. Expenditures for future fleet modernization activities are accounted for in the Procurement, Acquisition and Construction (PAC) account.

Increased funding is requested for: operations and maintenance on the NOAA ships OSCAR DYSON (29 FTE; +\$1,600); UNOLS (Days at Sea) (0 FTE, +\$500); HI'IALAKAI (30 FTE, +\$1,800); to fund future healthcare benefits for current officers (0 FTE; +\$745); and for marine services and fleet planning and operation (0 FTE, +\$936).

Detailed Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
NATIONAL OCEAN SERVICE								
Navigation Services:								
Mapping & Charting	308	\$58,329	308	\$49,423	308	\$51,918	0	\$2,495
Address survey backlog	10	30,512	10	23,700	10	32,300	0	8,600
Subtotal	318	88,841	318	73,123	318	84,218	0	11,095
Geodesy	183	30,201	183	24,739	183	25,565	0	826
Tide and Current Data	105	24,697	105	19,260	107	21,944	2	2,684
Total, Navigation Services	606	143,739	606	117,122	608	131,727	2	14,605
Ocean Resources Conservation & Assessment:								
Estuarine & Coastal Assessment								
Ocean assessment program	227	133,728	227	70,202	227	72,803	0	2,601
Response and restoration	112	25,221	112	26,058	112	28,058	0	2,000
Oceanic & coastal research	57	20,044	57	10,503	57	10,502	0	(1)
Subtotal	396	178,993	396	106,763	396	111,363	0	4,600
Coastal Ocean Science	17	21,037	17	14,890	17	8,730	0	(6,160)
Total, Ocean Res. Conservation & Assessment	413	200,030	413	121,653	413	120,093	0	(1,560)
Ocean & Coastal Management:								
Coastal Management								
CZM grants	0	67,399	0	66,930	0	63,963	0	(2,967)
CZM program administration	51	7,123	51	7,395	51	7,395	0	0
Estuarine research reserve system	0	15,911	0	16,294	0	16,400	0	106
Non-point pollution control	0	9,494	0	9,325	0	0	0	(9,325)
Marine Protected Areas	8	4,485	8	3,000	8	3,000	0	0
Subtotal	59	104,412	59	102,944	59	90,758	0	(12,186)
Ocean Management								
Marine sanctuary program	144	54,347	144	36,325	144	36,233	0	(92)
Subtotal	144	54,347	144	36,325	144	36,233	0	(92)
Total, Ocean & Coastal Management	203	158,759	203	139,269	203	126,991	0	(12,278)
TOTAL, NOS	1,222	502,528	1,222	378,044	1,224	378,811	2	767

NATIONAL MARINE FISHERIES SERVICE	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Science and Technology Base	0	\$6,630	0	\$0	0	\$0	0	\$0
Fisheries Research & Management Services								
Science and Technology	1,425	197,484	1,425	173,809	1,425	183,341	0	9,532
Alaskan groundfish surveys	0	5,694	0	5,776	0	6,671	0	895
Cooperative research	0	19,688	0	9,881	0	9,500	0	(381)
Driftnet Act implementation	0	2,209	0	2,069	0	1,800	0	(269)
Fisheries information networks/data coll	8	24,165	8	24,075	8	26,095	0	2,020
Observers/training	5	24,745	5	12,583	12	22,455	7	9,872
Subtotal	1,438	280,615	1,438	228,193	1,445	249,862	7	21,669
Conservation and Management	367	57,888	367	50,420	370	68,169	3	17,749
Interjurisdictional fisheries grants	0	2,554	0	2,590	0	2,590	0	0
International fisheries commission	0	0	0	0	0	400	0	400
Interstate fisheries commissions	0	7,902	0	8,000	0	8,000	0	0
Regional councils	0	14,842	0	15,000	0	15,547	0	547
Columbia River hatcheries and facilities	0	15,792	0	16,522	0	16,522	0	0
Pacific Salmon Treaty	0	7,364	0	7,456	0	7,456	0	0
Subtotal	367	106,342	367	99,988	370	118,684	3	18,696
Total, Fisheries Research & Management Services	1,805	386,957	1,805	328,181	1,815	368,546	10	40,365
Protected Resources Research & Management Services								
Science and Technology	310	10,889	310	12,546	315	17,902	5	5,356
Antarctic research	0	1,524	0	1,540	0	1,550	0	10
Atlantic salmon	0	2,852	0	2,422	0	2,427	0	5
Pacific salmon	9	1,631	9	552	9	30,349	0	29,797
Sea turtles	3	12,225	3	5,900	3	9,550	0	3,650
Marine mammals - Steller sea lions	0	15,718	0	9,023	0	13,846	0	4,823
Marine mammals - other	1	34,296	1	17,341	1	23,145	0	5,804
Subtotal	323	79,135	323	49,324	328	98,769	5	49,445

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Conservation and Management	322	\$18,284	322	\$18,716	327	\$24,046	5	\$5,330
Atlantic salmon	0	1,559	0	1,597	0	2,600	0	1,003
Pacific salmon	9	31,920	9	31,923	9	25,000	0	(6,923)
Marine mammals - other	0	2,983	0	2,234	0	3,600	0	1,366
Stellar Sea Lion Recovery Plan	0	1,964	0	0	0	0	0	0
Native Alaskan marine mammals	0	1,070	0	949	0	950	0	1
Subtotal	331	58,780	331	55,419	336	56,196	5	777
Tot. Protected Resources Research and Management Services	654	137,915	654	104,743	664	154,965	10	50,222
Habitat Conservation Research & Management Services								
Sustainable Habitat Management	74	35,725	76	20,054	76	22,067	0	2,013
Coral reefs	0	0	0	11,000	0	11,000	0	0
Subtotal	74	35,725	76	31,054	76	33,067	0	2,013
Fisheries Habitat Restoration	28	13,942	28	12,066	28	13,213	0	1,147
Subtotal	28	13,942	28	12,066	28	13,213	0	1,147
Tot., Habitat Conservation Research and Management Services	102	49,667	104	43,120	104	46,280	0	3,160
Enforcement and Surveillance Services:								
Enforcement	229	29,706	229	30,826	229	36,018	0	5,192
Partnerships in enforcement	0	17,094	0	14,883	0	17,383	0	2,500
Tot., Enforcement & Surveillance Service	229	46,800	229	45,709	229	53,401	0	7,692
TOTAL, NMFS	2,790	621,339	2,792	521,753	2,812	623,192	20	101,439

OCEANIC & ATMOSPHERIC RESEARCH	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Climate Research:								
Laboratories and joint institutes	251	\$47,246	251	\$48,615	250	\$49,238	0	\$623
Climate and Global Change Program	79	69,659	79	68,477	67	59,325	(12)	(9,152)
Climate observations & services	33	47,749	34	50,955	34	72,820	0	21,865
Other partnership programs	3	5,206	3	1,991	3	1,991	0	0
Total, Climate Research	366	169,860	367	170,038	354	183,374	(13)	13,336
Weather and Air Quality Research								
Laboratories and joint institutes	229	38,533	178	34,351	178	34,351	0	0
USWRP	17	7,070	0	0	0	0	0	0
Other partnership programs	2	9,859	2	1,007	2	1,007	0	0
Total, Weather and Air Quality Research	248	55,462	180	35,358	180	35,358	0	0
Ocean, Coastal and Great Lakes Research:								
Laboratories and joint institutes	123	20,245	123	20,655	123	20,710	0	55
National Sea Grant College Program	23	61,948	23	57,496	23	57,458	0	(38)
National Undersea Research Program	6	16,814	6	11,893	6	10,898	0	(995)
Ocean exploration	11	29,735	11	13,028	11	11,240	0	(1,788)
Other partnership programs	4	26,553	4	2,487	4	3,175	0	688
Total, Ocean, Coastal & Great Lakes Res.	167	155,295	167	105,559	167	103,481	0	(2,078)
Information, Technology, R&D and Science Education								
HPCC	13	12,700	13	28,034	13	28,034	0	0
Tot., Info Tech., R&D, & Science Educ.	13	12,700	13	28,034	13	28,034	0	0
TOTAL, OAR	794	393,317	727	338,989	714	350,247	(13)	11,258

NATIONAL WEATHER SERVICE	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Operations & Research:								
Local Warnings & Forecasts	4,051	\$574,697	4,119	\$579,441	4,119	\$593,140	0	\$13,699
AHPs	0	5,994	0	6,058	0	6,098	0	40
Aviation Weather	0	2,473	0	2,500	0	2,500	0	0
WFO maintenance	0	0	0	7,390	0	7,390	0	0
Weather radio transmitters	0	2,295	0	2,320	0	2,320	0	0
Subtotal	4,051	585,459	4,119	597,709	4,119	611,448	0	13,739
Central Forecast Guidance	299	44,626	299	45,772	299	45,772	0	0
Total, Operations & Research	4,350	630,085	4,418	643,481	4,418	657,220	0	13,739
Systems Operation and Maintenance:								
Public Warning & Forecast Systems								
NEXRAD	114	43,576	114	42,861	114	42,861	0	0
ASOS	32	8,162	32	8,388	32	8,388	0	0
AWIPS	36	37,174	36	37,727	36	37,727	0	0
NWSSTG backup - CIP	0	3,010	0	3,042	0	3,042	0	0
Total, Systems Oper. & Main.	182	91,922	182	92,018	182	92,018	0	0
TOTAL, NWS	4,532	722,007	4,600	735,499	4,600	749,238	0	13,739
NATIONAL ENVIRONMENTAL SATELLITE DATA & INFORMATION SERVICE								
Environmental Satellite Observing Systems:								
Satellite command and control	180	34,721	180	37,658	180	41,974	0	4,316
Product processing and distribution	139	23,323	126	23,290	126	27,245	0	3,955
Product developm't, readiness & appl.	101	23,775	103	22,762	103	26,008	0	3,246
Commercial remote sensing licensing and enforcement	0	1,126	2	1,227	2	1,246	0	19
Office of Space Commercialization	0	0	0	0	0	0	0	0
Total, Environmental Satellite Observing Systems	420	82,945	411	84,937	411	96,473	0	11,536
NOAA Data Centers & Information Services:								
Archive, access & assessment	304	50,123	290	33,075	290	38,735	0	5,660
Coastal data development	0	4,456	0	4,620	0	4,658	0	38
Regional climate centers	0	2,072	0	0	0	0	0	0
International Pacific Research Ctr.	0	989	0	0	0	0	0	0
Environmental data sys. modernization	11	11,085	13	11,308	13	9,117	0	(2,191)
Tot., NOAA Data Centers & Info. Serv.	315	68,725	303	49,003	303	52,510	0	3,507
TOTAL, NESDIS	735	151,670	714	133,940	714	148,983	0	15,043

PROGRAM PLANNING AND INTEGRATION	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Program Planning and Integration	10	\$1,979	10	\$2,000	10	\$2,000	0	\$0
Total, Program Planning and Integration	10	1,979	10	2,000	10	2,000	0	0
PROGRAM SUPPORT								
Corporate Services:								
Under Secretary and associate offices	152	24,637	152	25,541	152	25,159	0	(382)
Policy Formulation and Direction	763	155,383	763	145,172	763	56,856	0	(88,316)
Total, Corporate Services	915	180,020	915	170,713	915	82,015	0	(88,698)
Facilities:								
NOAA maintenance, repairs & service	0	(615)	0	8,504	0	15,161	0	6,657
Environmental compliance	0	1,885	0	2,070	0	4,087	0	2,017
Project planning and execution	0	7,892	0	0	0	550	0	550
Total, Facilities	0	9,162	0	10,574	0	19,798	0	9,224
Office of Marine and Aviation Operations (OMAO)								
Marine Operations								
Marine Services	813	82,157	817	80,770	876	84,806	59	4,036
Fleet planning & maintenance	3	12,239	3	12,423	3	13,223	0	800
Subtotal	816	94,396	820	93,193	879	98,029	59	4,836
Aviation Operations								
Aircraft services	102	17,949	102	18,587	102	18,587	0	0
Subtotal	102	17,949	102	18,587	102	18,587	0	0
NOAACorps pension & health benefits	0	1,182	0	1,196	0	1,941	0	745
Total, OMAO	918	113,527	922	112,976	981	118,557	59	5,581
TOTAL PROGRAM SUPPORT	1,833	302,709	1,837	294,263	1,896	220,370	59	(73,893)
DIRECT OBLIGATIONS	11,916	2,695,549	11,902	2,404,488	11,970	2,472,841	68	68,353
NOAA Corps retirement pay (mandatory)	0	18,043	0	17,822	0	17,822	0	0
TOTAL DIRECT OBLIGATIONS	11,916	2,713,592	11,902	2,422,310	11,970	2,490,663	68	68,353
REIMBURSABLE OBLIGATIONS								
Offsetting collections	849	235,204	849	235,204	849	235,204	0	0
Subtotal, Reimbursable Obligations	849	235,204	849	235,204	849	235,204	0	0
TOTAL OBLIGATIONS	12,765	2,948,796	12,751	2,657,514	12,819	2,725,867	68	68,353

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
FINANCING								
Federal funds	0	(\$87,204)	0	(\$87,204)	0	(\$87,204)	0	\$0
Non-Federal funds	0	(148,000)	0	(148,000)	0	(148,000)	0	0
De-obligations (direct)	0	0	0	(13,000)	0	(13,000)	0	0
Subtotal, Financing	(849)	(235,204)	(849)	(248,204)	(849)	(248,204)	0	0
TOTAL BUDGET AUTHORITY, ORF	11,916	2,713,592	11,902	2,409,310	11,970	2,477,663	68	68,353
FINANCING FROM:								
NOAA Corps retirement pay (mandatory)	0	(18,043)	0	(17,822)	0	(17,822)	0	0
Promote & develop American fisheries	0	(62,000)	0	(62,000)	0	(79,000)	0	(17,000)
Marine Mammal Commission	0	1,194	0	0	0	0	0	0
Coastal zone management fund	0	0	0	0	0	(3,000)	0	(3,000)
Unobligated balance, rescission	0	22,855	0	0	0	(3,000)	0	(3,000)
Subtotal, Transfers / Mandatory	0	(55,994)	0	(79,822)	0	(102,822)	0	(23,000)
APPROPRIATION, ORF	11,916	2,657,598	11,902	2,329,488	11,970	2,374,841	68	45,353

Appropriation: Procurement, Acquisition and Construction**Summary of Requirements**

	Detailed		Summary	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2004 Appropriation			148	\$985,772
Adjustments to Base				
Adjustments				
Terminations		(\$153,167)		
Transfer to ORF of NOAA Maintenance Backlog		(5,000)		
Transfer to ORF of NOAA Maintenance Cyclical		(2,550)		
Transfer to ORF for NSOF		(857)		
Transfer to ORF for WFO Maintenance		(7,313)		
Transfer to ORF for NMFS Computer Hardware/Software		(3,455)		
Restoration of FY 2004 Rescissions		2,997		
FTE Realignment	21	0		
Total Adjustments			21	(169,345)
TOTAL, ADJUSTMENTS TO BASE			21	(169,345)
2005 Base			169	816,427
Program Changes			5	84,083
TOTAL REQUIREMENTS			174	900,510
Recoveries from prior year obligations (FY 2005)				(2,000)
2005 APPROPRIATION			174	898,510

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS								
National Ocean Service								
Systems Acquisition								
Construction								
Coastal and Estuarine Land Conserv. Prg.	0	\$50,592	0	\$0	0	\$0	0	\$0
NERRS construction & land acq.	0	36,263	0	0	0	7,250	0	7,250
Marine Sanctuaries		3,683		5,296		7,250	0	1,954
Other NOS Construction/Acquisition	0	11,633	0	0	0	0	0	0
Subtotal	0	102,171	0	5,296	0	14,500	0	9,204
Total, NOS PAC	0	102,171	0	5,296	0	14,500	0	9,204
National Marine Fisheries Service								
Systems Acquisition								
	0	3,455	0	0	0	0	0	0
Construction								
Aquatic Resources	0	4,761	0	0	0	0	0	0
Southeastern Regional Office	0	1,584	0	0	0	0	0	0
Botanical Gardens	0	(1,584)	0	0	0	0	0	0
Honolulu	0	11,873	0	11,874	0	0	0	(11,874)
Pascagoula Laboratory	0	1,979	0	0	0	0	0	0
Fisheries Research Vessel Repl.	0	(2,124)	0	0	0	0	0	0
Galveston Lab renovation phase III	0	1,979	0	2,000	0	2,000	0	0
Subtotal	0	18,468	0	13,874	0	2,000	0	(11,874)
Total, NMFS PAC	0	21,923	0	13,874	0	2,000	0	(11,874)
Oceanic and Atmospheric Research								
Systems Acquisition								
Comprehensive Large Array Data Stewardship System	0	3,053	0	0	0	0	0	0
Research supercomputing (GFDL)	0	9,809	0	10,000	0	10,484	0	484
Subtotal	0	12,862	0	10,000	0	10,484	0	484
Construction								
Barrow Arctic Research Ctr.	0	8,410	0	0	0	0	0	0
Subtotal	0	8,410	0	0	0	0	0	0
Total, OAR PAC	0	21,272	0	10,000	0	10,484	0	484

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
National Weather Service								
Systems Acquisition								
ASOS	0	\$5,071	0	\$5,125	0	\$5,125	0	\$0
AWIPS	54	13,985	54	14,134	54	14,134	0	0
NEXRAD	0	11,379	0	11,500	0	11,860	0	360
NWSTG legacy replacement	0	2,840	0	2,870	0	3,740	0	870
Radiosonde network replacement	0	6,916	0	6,989	0	6,989	0	0
Weather & climate supercomputing	0	6,392	0	6,460	0	6,460	0	0
Weather & climate CIP supercomputing	0	12,679	0	12,825	0	12,825	0	0
Weather & climate supercomputing back	0	7,073	0	7,148	0	7,148	0	0
Nat'l Mesonet Coop. Obs. Net. Moderniz	0	0	0	0	0	1,400	0	1,400
NWS Coastal Global Ocean Observing Sy	0	0	0	0	0	2,000	0	2,000
All Hazard NWR Warning Network:	0	5,442	0	5,442	0	0	0	(5,442)
Subtotal	54	71,777	54	72,493	54	71,681	0	(812)
Construction								
WFO construction	0	13,487	0	13,630	0	13,630	0	0
WFO Maintenance		7,313		0		0	0	0
NOAA Ctr for Weather & Climate Predic	0	10,291	0	10,291	0	2,300	0	(7,991)
Subtotal	0	31,091	0	23,921	0	15,930	0	(7,991)
Total, NWS PAC	54	102,868	54	96,414	54	87,611	0	(8,803)
National Environmental Satellite, Data & Information Service:								
Systems Acquisition								
Geostationary satellites	47	274,632	41	277,125	41	308,887	0	31,762
Polar satellites	47	386,968	74	389,451	74	414,106	0	24,655
EOS data processing & archiving	0	2,474	0	2,500	0	3,000	0	500
NESDIS CIP - single pt. of failure	0	2,770	0	2,800	0	2,800	0	0
Comprehensive Large Array Data Stewar	0	0	0	3,200	0	6,600	0	3,400
Coastal Remote Sensing Imager	0	489	0	490	0	0	0	(490)
Subtotal	94	667,333	115	675,566	115	735,393	0	59,827
Construction								
Continuity of critical facilities	0	0	0	0	0	2,250	0	2,250
Suitland facility	0	8,064	0	8,217	0	11,255	0	3,038
Subtotal	0	8,064	0	8,217	0	13,505	0	5,288
Total, NESDIS PAC	94	675,397	115	683,783	115	748,898	0	65,115

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Program Support/Office of Marine and Aviation Operations								
Corporate Services								
HCHB Infrastructure Repairs	0	(\$419)	0	\$0	0	\$0	0	\$0
CAMS	0	(27)	0	0	0	0	0	0
AMNH	0	989	0	0	0	0	0	0
NOAA Maintenance - Backlog	0	4,948	0	0	0	0	0	0
NOAA Maintenance - Cyclical	0	2,523	0	0	0	0	0	0
Base / Admin Holdings / Ship Creek	0	(108)	0	0	0	0	0	0
Subtotal	0	7,906	0	0	0	0	0	0
Construction								
Construction	0	6,065	0	0	0	0	0	0
Subtotal	0	6,065	0	0	0	0	0	0
Fleet Replacement								
FAIRWEATHER Refurbishment	0	(236)	0	0	0	0	0	0
ALBATROSS IV Repairs	0	(112)	0	0	0	0	0	0
Small Waterplane Area Twin Hull Vessel	0	(5,350)	0	0	0	0	0	0
T-AGOS McARTHUR II Upgrades	0	0	0	0	0	1,800	0	1,800
GORDON GUNTHER Upgrade	0	(25)	0	0	0	0	0	0
Fisheries Survey Vessel Replacement #1	0	(4,065)	0	0	0	0	0	0
Fisheries Survey Vessel Replacement #3	0	15,332	0	0	5	33,797	5	33,797
HI'IALAKAI Fit-out	0	2,473	0	0	0	0	0	0
Ship Acquisition, Conversion, Maintenance	0	4,058	0	0	0	0	0	0
Sonar for Long Range Fisheries Research	0	5,640	0	0	0	0	0	0
Subtotal	0	17,715	0	0	5	35,597	5	35,597
Aircraft Replacement								
G-IV Instrumentation Upgrades	0	1,084	0	2,556	0	0	0	(2,556)
Regulatory Upgrades	0	1,329	0	1,343	0	1,420	0	77
Turbo Commander Replacement	0	1,534	0	1,534	0	0	0	(1,534)
WP-3D Navigation Upgrade	0	1,627	0	1,627	0	0	0	(1,627)
Subtotal	0	5,574	0	7,060	0	1,420	0	(5,640)
Total, Program Support, PAC	0	37,260	0	7,060	5	37,017	5	29,957
TOTAL OBLIGATIONS, PAC	148	960,891	169	816,427	174	900,510	5	84,083
De-obligations / Unobligated balance, rescission		24,881		(2,000)		(2,000)	0	0
DISCRETIONARY BA / APPROPRIATION, PAC	148	985,772	169	814,427	174	898,510	5	84,083

Highlights of Program Changes

Procurement, Acquisition and Construction (PAC)

The PAC account captures the cost of acquiring and improving capital assets used by NOAA in carrying out its varied missions. This account is grouped by line office into three common activities: "Systems Acquisition" which contains projects associated with modernizing NOAA's weather and climate programs, including satellite procurement; "Construction" which contains projects involving new construction, or major modification of existing facilities; and "Fleet and Aircraft Replacement" which contains funding to support modernization of NOAA's fleet of ships and aircraft either through new construction, major modification to existing assets, or long term acquisition of capacity from third parties.

National Ocean Service (NOS)

	Base		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Acquisition/ Construction	0	\$5,296	0	+\$9,204

Increases are requested for the construction and land acquisition needs of the National Estuarine Research Reserve System (NERRS) (0 FTE; +\$7,250) and for construction and exhibit costs of the National Marine Sanctuaries program (0 FTE; +\$1,954).

National Marine Fisheries Service (NMFS)

Construction	0	\$13,874	0	-\$11,874
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A decrease is requested for the Honolulu project (0 FTE; -\$11,874).

Oceanic and Atmospheric Research (OAR)

Systems Acquisition	0	\$10,000	0	+\$484
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An increase is requested to enhance computing capabilities in support of climate research activities (0 FTE; +\$484).

National Weather Service (NWS)

Systems Acquisition	54	\$72,493	0	-\$812
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Increased funding is requested for the following: NEXRAD Product Improvements to increase lead time warnings for severe storms (0 FTE; +\$360); to replace the equipment of the NWS Telecommunications Gateway to increase its capacity and reliability (0 FTE; +\$870); to fund the implementation of the COOP Modernization program (0 FTE; \$1,400), and for the Coastal Global Ocean Observing System (0 FTE, +\$2,000).

Decreased funding is requested to reflect the completion of the All Hazards National Warning Network (0 FTE, - \$5,442).

Construction	0	\$23,921	0	-\$7,991
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This activity funds renovation and replacement of weather forecast offices in the continental U.S., Alaska and the Pacific Islands.

Decreased funding is requested to reflect actual construction costs in FY 2005 of the NOAA Center for Weather and Climate Prediction Building (0 FTE; -\$7,991).

National Environmental Satellite, Data and Information Service (NESDIS)

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Systems Acquisition	115	\$675,566	0	+\$59,827

Increased funding is requested to continue the tri-agency acquisition of the next generation polar-orbiting satellites (NPOESS) (0 FTE; +\$30,946); to fund systems design and development for the GOES R geostationary satellite series (0 FTE; +\$31,762), to enhance the Comprehensive Large Array data Stewardship System (CLASS) (0 FTE; +\$3,400); and to modify the CLASS to accommodate select data from the NASA EOS satellite (0 FTE; +\$500).

Decreased funding is requested to reflect decreasing costs in the current generation of polar-orbiting satellites (POES) (0 FTE; -\$6,291), and the non-recurring development of a Coastal Remote Sensing Imager (0 FTE; -\$490).

Construction	0	\$8,217	0	+\$5,288
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An increase is requested for the continuity of critical facilities (0 FTE; +\$2,250) and for fit-out and move-in costs associated with the new NOAA Satellite Operations Facility (0 FTE; +\$3,038).

Program Support / Office of Marine and Aviation Operations

Fleet Replacement	0	0	+5	+\$35,597
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Increased funding is requested for upgrades to the McARTHUR II (0 FTE; +\$1,800) and for completion of the third Fisheries Survey Vessel (+5 FTE; +\$33,797).

Aircraft Replacement	0	\$7,060	0	-\$5,640
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Increased funding is requested for required regulatory upgrades to aircraft (0 FTE; +\$77).

Decreased funding is requested to reflect completion of replacement of the aging airframe for the Turbo Commander (0 FTE; -\$1,534); for navigation upgrades on both WP-3D aircraft (0 FTE; -\$1,627), and for upgrades to the Gulfstream IV instrumentation (0 FTE; -\$2,556).

Appropriation: Pacific Coastal Salmon Recovery**Summary of Requirements**

	Summary	
	FTE	Amount
2004 Enacted	0	\$89,052
Adjustments to Base	0	948
2005 Base	0	90,000
Program Changes	0	10,000
2005 APPROPRIATION	0	100,000

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS								
Grants	0	\$89,052	0	\$90,000	0	\$100,000	0	\$10,000
TOTAL OBLIGATIONS	0	89,052	0	90,000	0	100,000	0	10,000
FINANCING								
Unobligated balance, start of year		0		0		0	0	0
TOTAL BUDGET AUTHORITY / APPROPRIATION	0	89,052	0	90,000	0	100,000	0	10,000

The Pacific Coastal Salmon Recovery account was established in FY 2000 to share the costs of State, local and tribal salmon conservation initiatives. This fund supports NOAA's contribution to a broad interdepartmental initiative to bolster and integrate Federal capabilities to assist in the conservation of at-risk salmon runs in California, Oregon, Washington, Idaho, and Alaska. Grants are matched 25 percent with non-Federal contributions. The fund was established under the Secretary of Commerce's existing authorities under the Endangered Species Act, and is made available through agreements with the Governors of each state for distribution to state, local and tribal efforts. The Secretary has established terms and conditions to ensure effective use of the funds, as well as specific reporting requirements to ensure full accountability by users of the fund.

The request includes an increase of \$10.0 million from the FY 2004 level and targets funding to projects that address conservation and recovery of endangered salmon species, including habitat restoration activities.

Appropriation: Limited Access System Administration Fund**Summary of Requirements**

	Summary	
	<u>FTE</u>	<u>Amount</u>
2004 Enacted	0	\$3,634
Adjustments to Base	0	0
2005 Base	0	3,634
Program Changes	0	0
2005 MANDATORY APPROPRIATION	0	3,634

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	0	\$7,281	0	\$3,634	0	\$3,634	0	\$0
TOTAL OBLIGATIONS	0	7,281	0	3,634	0	3,634	0	0
FINANCING								
Unobligated balance, start of year	0	(3,647)	0	0	0	0	0	0
TOTAL BUDGET AUTHORITY / APPROPRIATION	0	3,634	0	3,634	0	3,634	0	0

This fund was established by Title III of Public Law 104-297. Fee collections equaling no more than one-half percent of the proceeds from the sale or transfer of limited access system permits are deposited into the Fund. These deposits to the Fund are used to administer an exclusive central registry system for the limited access system permits.

Appropriation: Fishermen's Contingency Fund**Summary of Requirements**

	Summary	
	<u>FTE</u>	<u>Amount</u>
2004 Enacted	1	\$0
Adjustments to Base	0	0
2005 Base	1	0
Program Changes	0	956
2005 APPROPRIATION	1	956

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS								
Administrative Expenses	1	\$909	1	\$0	1	\$956	0	\$956
Payment of Claims & Other Services	0	0	0	0	0	0	0	0
TOTAL OBLIGATIONS	1	909	1	0	1	956	0	956
FINANCING								
Unobligated balance, start of year	0	(1,512)	0	0	0	0	0	0
TOTAL BUDGET AUTHORITY	1	(603)	1	0	1	956	0	956
Unobligated balance, rescission		603						
TOTAL APPROPRIATION	1	0						

The Fishermen's Contingency Fund is used to compensate domestic fishermen for the damage or loss of fishing gear and resulting economic loss due to obstructions related to oil and gas exploration, development or production in the Outer Continental Shelf. The funds are derived from fees collected annually by the Secretary of the Interior from the holders of leases, explorations, permits, easements and rights of way.

Appropriation: Foreign Fishing Observer Fund**Summary of Requirements**

	Summary	
	<u>FTE</u>	<u>Amount</u>
2004 Enacted	0	\$0
Adjustments to Base	0	0
2005 Base	0	0
Program Changes	0	191
2005 APPROPRIATION	0	191

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	0	\$1,012	0	\$0	0	\$191	0	\$191
TOTAL OBLIGATIONS	0	1,012	0	0	0	191	0	191
FINANCING								
Unobligated balance, start of year		(1,683)						
TOTAL BUDGET AUTHORITY	0	(671)	0	0	0	191	0	191
Unobligated balance, rescission		671						
TOTAL APPROPRIATION	0	0						

The Foreign Fishing Observer Fund provides observer coverage of foreign fishing activities within the 200-mile EEZ. The fund is financed by fees collected from foreign governments with fishing vessels within the exclusive fishing jurisdiction of the U.S. The fund is used to pay salaries, administrative costs, data entry and other expenses associated with the placement of observers aboard foreign fishing vessels.

Appropriation: Fisheries Finance Program Account**Summary of Requirements**

	Summary	
	FTE	Amount
2004 Enacted	0	\$989
Adjustments to Base	0	(989)
2005 Base	0	0
Program Changes	0	287
2005 APPROPRIATION	0	287

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS								
Credit Reestimates	0	\$2,897	0	\$0	0	\$0	0	\$0
Cost of Loan Subsidy	0	989	0	0	0	287	0	287
TOTAL OBLIGATIONS	0	3,886	0	0	0	287	0	287
FINANCING								
Unobligated balance, start of year	0	1,457	0	2,446	0	2,446	0	\$0
Unobligated balance, end of year	0	(1,457)	0	(2,446)	0	(2,446)	0	\$0
Mandatory Appropriation	0	(2,897)	0	0	0	0	0	0
TOTAL BUDGET AUTHORITY / APPROPRIATION	0	989	0	0	0	287	0	287

This account was established in FY 1997 to cover the cost of financing direct loans as authorized by Title XI of the Merchant Marine Act of 1936. The President's Request includes funding for the subsidy cost of the loans in the program pursuant to the Federal Credit Reform Act. This subsidy amount will allow NOAA to provide loans for the following purposes: individual fishing quotas, aquaculture facilities, reconditioning of fishing vessels for the purpose of reducing bycatch or reducing capacity in an overfished fishery, and the purchase of assets sold at foreclosure.

Appropriation: Promote and Develop American Fishery Products & Research Pertaining to American Fisheries

Summary of Requirements

	Detailed		Summary	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2004 Enacted			0	\$0
Transfers				
From Department of Agriculture		\$79,724		
To NOAA ORF		(62,000)		
Total, Transfers			0	17,724
Adjustments to Base			0	0
2005 Base			0	17,724
Program Changes			0	(17,000)
TOTAL REQUIREMENTS			0	724
Transfers				
From Department of Agriculture			0	(79,724)
To NOAA ORF			0	79,000
2005 APPROPRIATION			0	0

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	4	\$18,488	4	\$17,724	4	\$724	0	(\$17,000)
TOTAL OBLIGATIONS	4	18,488	4	17,724	4	724	0	(17,000)
FINANCING								
Unobligated balance, start of year		(764)						
TOTAL BUDGET AUTHORITY	4	17,724	4	17,724	4	724	0	(17,000)
TRANSFERS								
From Dept of Agriculture	0	(79,724)	0	(79,724)	0	(79,724)	0	0
To NOAA ORF	0	62,000	0	62,000	0	79,000	0	17,000
TOTAL APPROPRIATION	4	0	4	0	4	0	0	0

The American Fisheries Promotion Act of 1980 authorized a grants program for fisheries research and development projects to be carried out with Saltonstall-Kennedy (S-K) funds. S-K funds are derived from duties on imported fisheries products; 30 percent of these duties are transferred from the Department of Agriculture to the Department of Commerce. The FY 2005 budget estimate of the transfer is \$79.7 million. Of this amount, \$0.724 million will be used for the grants program and the remaining \$79 million will be transferred to offset the ORF appropriation. This program supports the NOAA strategic plan goal to build sustainable fisheries.

Appropriation: Damage Assessment and Restoration Revolving Fund

Summary of Requirements

	Summary	
	<u>FTE</u>	<u>Amount</u>
2004 Enacted	16	\$1,000
Financing		
Transfer from Department of Interior	0	0
Adjustments to Base	0	0
2005 Base	16	1,000
Program Changes	0	0
TOTAL MANDATORY BUDGET AUTHORITY	16	1,000

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	16	\$26,315	16	\$4,000	16	\$4,000	0	\$0
REIMBURSABLE OBLIGATIONS	0	2,000	0	2,000	0	2,000	0	0
TOTAL OBLIGATIONS	16	28,315	16	6,000	16	6,000	0	0
FINANCING								
Estimated collections	0	(2,000)	0	(2,000)	0	(2,000)	0	0
Unobligated balance, start of year	0	(\$22,315)	0	0	0	0		
Transfer of unobligated balances from DOI	0	(3,000)	0	(3,000)	0	(3,000)	0	0
TOTAL MANDATORY BUDGET AUTHORITY	16	1,000	16	1,000	16	1,000	0	0

This fund was established in 1990 to facilitate oil and hazardous material spill response, damage assessment and restoration activities for damages to natural resources for which NOAA serves as trustee. The Fund retains sums transferred by responsible parties or government entities for future use. The source of these funds are settlements and awards by the courts. Receipts from settlements are expected to be \$2.0 million in FY 2005.

Appropriation: Coastal Zone Management Fund**Summary of Requirements**

	Summary	
	<u>FTE</u>	<u>Amount</u>
2004 Enacted	0	\$0
Adjustments to Base		
Transfer to ORF	0	0
2005 Base	<u>0</u>	<u>0</u>
Program Change	0	0
TOTAL BUDGET AUTHORITY	<u>0</u>	<u>0</u>
Transfer to ORF	0	3,000
2005 APPROPRIATION	<u>0</u>	<u>3,000</u>

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	0	\$0	0	\$0	0	\$0	0	\$0
TOTAL OBLIGATIONS	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL APPROPRIATION			0	0	0	3,000	0	3,000
Transfer to ORF	<u>0</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>(3,000)</u>	<u>0</u>	<u>(\$3,000)</u>
Budget Authority, Discretionary		0	0	0	0	0	0	0
Less: Offsetting collections, Mandatory		(3,000)	0	(3,000)	0	(3,000)	0	0
TOTAL MANDATORY BUDGET AUTHORITY	<u>0</u>	<u>(3,000)</u>	<u>0</u>	<u>(3,000)</u>	<u>0</u>	<u>(3,000)</u>	<u>0</u>	<u>0</u>

In FY 2004, NOAA proposes to continue the transfer of authorized funding in the Coastal Zone Management Fund to the ORF account for obligation to facilitate operation of the Fund, which is expected to experience declining receipts.

Appropriation: Federal Ship Financing Fund**Summary of Requirements**

	Summary	
	<u>FTE</u>	<u>Amount</u>
2004 Enacted	0	\$0
Adjustments to Base	0	0
2005 Base	0	0
Program Changes	0	0
TOTAL MANDATORY APPROPRIATION	0	0

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	0	\$4,000	0	\$4,000	0	\$4,000	0	\$0
TOTAL OBLIGATIONS	0	4,000	0	4,000	0	4,000	0	0
FINANCING								
Unobligated balance, start of year		2,400					0	0
Unobligated balance transfer to Misc. Receipts		(2,400)						
Less: offsetting collections	0	(4,000)	0	(4,000)	0	(4,000)	0	0
TOTAL MANDATORY	0	0	0	0	0	0	0	0

Premiums and fees collected under the Fishing Vessel Obligations Guarantee program for loan commitments made prior to October 1, 1991 are deposited in this fund for operations of this program, loans, and for use in case of default. Proceeds from the sale of collateral are also deposited in the fund for defaults on loans committed prior to October 1, 1991.

Appropriation: Environmental Improvement and Restoration Fund**Summary of Requirements**

	Summary	
	<u>FTE</u>	<u>Amount</u>
2004 Enacted	0	\$2,150
Adjustments to Base	0	2,069
2005 Base	0	4,219
Program Change	0	0
TOTAL MANDATORY APPROPRIATION	0	4,219

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	0	\$10,204	0	\$4,219	0	\$4,219	0	\$0
TOTAL OBLIGATIONS	0	10,204	0	4,219	0	4,219	0	0
FINANCING								
Unobligated balance, start of year		(8,054)						
TOTAL MANDATORY	0	2,150	0	4,219	0	4,219	0	0

This fund was established by Title IV of P.L. 105-83, the Department of the Interior and Related Agencies Appropriations Act, 1998. Twenty percent of the interest earned from this fund is made available to the Department of Commerce. Funds are to be used to provide grants to Federal, State, private or foreign organizations or individuals to conduct research activities on or relating to the fisheries or marine ecosystems in the North Pacific Ocean, Bering Sea, and Arctic Ocean. Research priorities and grant requests are reviewed and approved by the North Pacific Research Board with emphasis placed on cooperative research efforts designed to address pressing fishery management or marine ecosystem information needs. This program supports the NOAA strategic plan goal to sustain healthy coasts.

NOAA Performance Measures

For FY 2005, NOAA has identified a series of performance measures that can be used to assess the effectiveness of its program activities. This list of measures focuses on NOAA's priority programs and program goals and can be expected to evolve over time as NOAA, the Department, and the Administration continue to refine and develop effective performance measures to use as a key management tool, and to implement the Government Performance and Results Act.

NOAA contributes to the third Departmental Strategic Goal: Observe, Protect, and Manage the Earth's Resources to Promote Environmental Stewardship. For FY 2005 NOAA reconfigured the structure of its performance goals, reducing the number from seven to four, in large part so as to better organize and portray NOAA activities. The new goals are: 1) Advance understanding and predict changes in the Earth's environment to meet America's economic, social and environmental needs; 2) Increase understanding of climate variability and change; 3) Improve protection, restoration and management of coastal and ocean resources through ecosystem-based management; and 4) Support the Nation's commerce with information for safe, efficient, and environmentally sound transportation.

To track progress in the implementation of NOAA's Strategic Plan for 2004 – 2009 and its annual performance, NOAA developed performance measures for each of the four performance goals. NOAA has strived to make these measures an indication of the outcomes of its programs, and they are among important benchmarks used by NOAA to track progress in meeting its goals and objectives. The following table shows the measures that NOAA uses to gauge its performance. A more detailed description of these goals and measures is in the NOAA section of the Department of Commerce budget.

Performance Goals (Obligations) and Measures (Targets)

(Dollars in millions)

	2003 <u>Actual</u>	2004 <u>Estimate / Target</u>	2005 <u>Estimate / Target</u>
Goal 1: Advance understanding and predict changes in the Earth's environment to meet America's economic, social and environmental needs	\$1,404.0	\$1,515.3	\$1,541.0
Lead time (minutes), accuracy (%) and False Alarm Rate (FAR) (%) for tornado warnings	13 / 79% / 76%	12 / 72% / 70%	13 / 73% / 69%
Lead time (minutes) and accuracy (%) for flash flood warnings	41 / 89%	50 / 88%	53 / 89%
Hurricane forecast track error (48 hour)	107	129	128
Accuracy (%) (threat score) of Day 1 precipitation forecasts	27	25	27
Lead time (hours) and accuracy (%) for winter storm warnings	14 / 90%	14 / 89%	15 / 90%
Cumulative percentage of U.S. shoreline and inland areas that have improved ability to reduce coastal hazard impacts	17%	17%	28%
Goal 2: Increase understanding of climate variability and change	\$378.9	\$416.7	\$420.3
U.S. temperature forecasts (cumulative skill score)	17	21	22
New climate observations introduced	182	275	355
Assess and model carbon sources and sinks throughout the U.S.	Reduce uncertainty of atmospheric estimates of U.S. carbon source / sink to +/- 0.6 gt carbon per year	Improve model-fusion techniques and reduce uncertainty of atmospheric measurement estimates of U.S. carbon source / sink to +/- 0.7 gt carbon per year	Reduce uncertainty of atmospheric estimates of U.S. carbon source / sink to +/- 0.5 gt carbon per year

Targets and actuals shown in bold italics have been updated since the FY 2003 Performance and Accountability Report as a result of more recent and accurate data.

	2003 <u>Actual</u>	2004 <u>Estimate / Target</u>	2005 <u>Estimate / Target</u>
Assess and model carbon sources and sinks globally	<i>Completed a working prototype of a coupled carbon-climate model</i>	Develop carbon-climate scenarios for input to assessment	Improve measurements of North Atlantic and North Pacific ocean basin carbon dioxide fluxes to within +/- 0.1 petagrams carbon / year
Determine actual long-term changes in temperature and precipitation throughout the U.S.	Captured 95% of true contiguous U.S. temperature trend and captured 84% of true contiguous U.S. National annual precipitation trend	Capture more than 80% of true contiguous U.S. temperature trend and more than 55% of true contiguous U.S. precipitation trend	Capture more than 90% true contiguous U.S. temperature trend and capture more than 70% of true contiguous U.S. precipitation
Goal 3: Improve protection, restoration and management of coastal and ocean resources through ecosystem-based management	\$1,515.7	\$1,591.0	\$1,260.8
Number of overfished major stocks of fish	43	43	42
Number of major stocks with an "unknown" stock status	88	84	77
Percentage of plans to rebuild overfished major stocks to sustainable levels	90%	96%	98%
Increase in number of threatened species with lowered risk of extinction	<i>Available May 31, 2004</i>	5	6
Number of commercial fisheries that have insignificant marine mammal mortality	<i>Available May 31, 2004</i>	8	8
Increase in number of endangered species with lowered risk of extinction	<i>Available May 31, 2004</i>	6	7
Number of habitat acres restored (annual / cumulative)	5,200 / 11,020	3,760 / 14,780	4,500 / 19,280
Goal 4: Support the Nation's commerce with information for safe, efficient, and environmentally sound transportation	\$275.6	\$265.2	\$280.2
Reduce the hydrographic survey backlog within navigationally significant areas (sq. nautical miles surveyed per year)	1,762	2,290	3,000
Percentage of National Spatial Reference System (NSRS) completed (cumulative %)	84%	<i>85%</i>	<i>87%</i>
Accuracy (%) and FAR (%) of forecasts of ceiling and visibility (.3 miles / 1000 feet)	<i>48%</i> / 64%	46% / <i>70%</i>	46% / 68%
Accuracy (%) of forecast for wind speed and wave height	57% / 71%	57% / 69%	60% / 72%
Total	\$3,574.2	\$3,788.2	\$3,502.3

Targets and actuals shown in bold italics have been updated since the FY 2003 Performance and Accountability Report as a result of more recent and accurate data.

The total obligations may differ from those reported in the Congressional Justification exhibits due to the inclusion of mandatory funds in the amounts cited above.

NOAA Unrequested Projects
Terminations / Reductions
(Dollars in Thousands)

	FY 2004 Estimate	Terminated Amount	FY 2005 Estimate
OPERATIONS, RESEARCH, AND FACILITIES (ORF)			
National Ocean Service:			
Joint Hydrographic Center	\$4,298	(\$1,718)	\$2,580
Joint Hydrographic Center - Bathymetric Study	3,166	(3,166)	0
Shoreline Mapping	3,676	(1,176)	2,500
Shoreline Mapping - Chesapeake Bay	989	(989)	0
Shoreline Mapping - Aerial	989	(989)	0
Payment to OMAO	2,764	(2,764)	0
Address Survey Backlog/Contracts	23,413	(2,963)	20,450
Address Survey Backlog/Contracts - EEZ Outer Continental Shelf	2,203	(2,203)	0
Address Survey Backlog/Contracts - Gulf of Alaska	2,473	(2,473)	0
Address Survey Backlog/Contracts - North Pacific	989	(989)	0
Address Survey Backlog/Contracts - North Pacific Maritime Boundary Line	989	(989)	0
MS/LA Digital Coast	495	(495)	0
Heith Modernization Study - MS	495	(495)	0
Geodetic Survey - Louisiana	492	(492)	0
Geodetic Survey - Wisconsin	2,957	(2,957)	0
Geodetic Survey - WA	495	(495)	0
Geodetic Survey - AL	1,968	(1,968)	0
Tide & Current Data Base	20,755	(2,178)	18,577
Great Lakes NWLON	1,966	(1,966)	0
Alaska Current & Tide Data	1,484	(1,484)	0
Upper Cook Inlet Tidal Research	492	(492)	0
Ocean Assessment Program Base	57,595	(17,780)	39,815
Coastal Monitoring and Prediction	1,237	(1,237)	0
Coastal Observation Technology System	2,177	(2,177)	0
Coastal Ocean Research & Monitoring Program	2,473	(2,473)	0
Gulf of Alaska Ecosystem Monitoring	743	(743)	0
Gulf of Maine Observing System	1,979	(1,979)	0
Southeastern Coastal Ocean Observing System	1,979	(1,979)	0
So Cal Ocean Observing System (Scripps)	1,979	(1,979)	0
Center for Integrated Marine Technologies	2,473	(2,473)	0
Alliance for Coastal Technologies	2,473	(2,473)	0
Center for Coastal Ocean Observation and Analysis	2,473	(2,473)	0
Carolina Coastal Ocean Observing and Prediction System	2,473	(2,473)	0
Wallops Ocean Observation Project	1,979	(1,979)	0
B-WET Hawaii	495	(495)	0
Coastal Change Analysis	495	(495)	0
CREST	366	(366)	0
CI-CORE	2,473	(2,473)	0
Lake Pontchartrain	1,966	(1,966)	0
Aquatic Research Consortium MS	2,473	(2,473)	0
Coop Institute for Coastal and Estuarine Enviro Tech	6,732	(932)	5,800

	FY 2004 Estimate	Terminated Amount	FY 2005 Estimate
Hawaii Coral Reef Initiative	\$1,237	(\$237)	\$1,000
Nature Conservancy of HI Marine Program	248	(248)	0
Nat'l Coral Reef Initiative - Florida	989	(489)	500
Coral Reef	26,321	(571)	25,750
National Fish and Wildlife Foundation - NFWF	1,474	(474)	1,000
Monterey Bay Watershed	495	(495)	0
Marine Debris Removal - Alaska	495	(495)	0
Marine Debris Removal - SC	173	(173)	0
Edisto Beach Marsh Restoration	99	(99)	0
Aquatic Resources Environmental Initiative	4,916	(4,916)	0
Center for Marine Spill Response Project	1,979	(1,979)	0
Oceanic and Coastal Research	19,598	(9,214)	10,384
Prince William Sound Science Center	495	(495)	0
Woods Hole HAB	2,473	(2,473)	0
Long Island Sound Observing System	1,781	(1,781)	0
LUCES & High Salinity Estuaries (Baruch)	1,979	(1,979)	0
Marine Protected Areas	4,485	(1,485)	3,000
Marine Sanctuary Program Base	53,604	(17,767)	35,837
Northwest Straits Citizens Advisory Commission	743	(743)	0
Subtotal, NOS	298,165	(130,972)	167,193

National Marine Fisheries Service:

Pacific Island Regional Office	4,948	(4,948)	0
NW Fisheries Science Center (West Coast Groundfish Team)	1,682	(1,682)	0
Alaska Fisheries Development Foundation	1,483	(1,483)	0
Atlantic Billfish Research	2,473	(2,473)	0
Bluefin Tuna Tagging (Monterey)	331	(331)	0
Bluefish/Striped Bass - Chesapeake Bay	495	(495)	0
Bluefish/Striped Bass - Long Island Sound	248	(248)	0
Charleston Bump Billfish Tagging	495	(495)	0
Expand Stock Assessments - California Ocean Cooperative Investigation	891	(891)	0
Expand Stock Assessments - Improve Data Collection	18,057	(3,151)	14,906
Expand Stock Assessments - Naragansett Bay (Phase II)	989	(989)	0
FMP Extended Jurisdiction, State of Alaska	1,187	(1,187)	0
Halibut Data Collection	441	(441)	0
Hawaii Stock Management Plan	495	(495)	0
Highly Migratory Shark Fishery Research Program	1,979	(1,979)	0
Horseshoe Crab Research	643	(643)	0
Large Pelagics Research Program (UNH)	3,068	(3,068)	0
Magnuson Stevens Implementation off Alaska	7,173	(2,823)	4,350
Marine Environmental Research Institute	297	(297)	0
MarMap	1,237	(387)	850
Monkfish Trawl	593	(593)	0
NAPA/NAS Management Review	198	(198)	0
NEPA - Steller Sea Lion/Pollock Research	1,934	(1,934)	0
New England Multispecies Survey (SMAST)	2,968	(2,968)	0
Reducing Bycatch	3,760	(960)	2,800

	FY 2004 Estimate	Terminated Amount	FY 2005 Estimate
Reducing Bycatch - Gulf/Atlantic Turtle Excluder Devic (GSAFD)	\$1,187	(\$1,187)	\$0
Scallop Fishery Assessment (MFI)	1,978	(1,978)	0
Shrimp Pathogens	636	(344)	292
South Carolina Taxonomic Center	495	(495)	0
VA Trawl Study	495	(495)	0
Alaska Groundfish Monitoring - Bering Sea Fishermen's Association CDQ	173	(23)	150
Cooperative Research - North Pacific Research Board	2,968	(2,968)	0
Cooperative Research - SC Cooperative Research	1,979	(1,979)	0
Cooperative Research - SE Cooperative Research	3,216	(216)	3,000
Cooperative Research - Northeast Consortium	4,874	(4,874)	0
Cooperative Research - West Coast Cooperative Research	989	(989)	0
Driftnet Act Implementation - Ghostnet - High Seas Driftnet Detection	248	(248)	0
Recreational Fishery Harvest Monitoring RECFIN - SC	495	(245)	250
SEAMAP	1,732	(332)	1,400
Observers - Fishery Observers - NE Groundfish Court Ordered Observers	9,351	(9,351)	0
Observers/Training - Hawaii Longline Observer Program	3,804	(804)	3,000
Observers/Training - N. Pacific Observer Program	791	(141)	650
Observers/Training - S. Atlantic/Gulf Shrimp Observers	791	(791)	0
Observers/Training - West Coast Observers	4,874	(1,144)	3,730
Alaska Near Shore Fisheries	989	(989)	0
Anadromous Fish Commission (N. Pacific)	743	(743)	0
Bering Sea Crab (Alaska)	891	(291)	600
Consortium for Fisheries & Wildlife Resolution (UNH/NEA/VIMS/Duke)	495	(495)	0
Ecosystem Management - Gulf of Mexico	495	(495)	0
Ecosystem Management - Middle Atlantic	495	(495)	0
Ecosystem Management - New England	495	(495)	0
Ecosystem Management - South Atlantic	495	(495)	0
Gulf of Alaska Coastal Communities Coalition	421	(421)	0
Product Quality & Marketing - Gulf Shrimp	1,979	(1,979)	0
Product Quality & Marketing - South Atlantic Shrimp	1,979	(1,979)	0
SCORE (NH/FL/WA)	989	(989)	0
Western Alaska Salmon Failure - Bering Sea Fisheries Assoc.	989	(989)	0
Endangered Species Act - Atlantic Salmon	2,154	(437)	1,717
Endangered Species Act - Pacific Salmon Recovery	1,335	(1,335)	0
Hawaiian Sea Turtles	6,863	(6,863)	0
Steller Sea Lion Recovery Plan - Alaska Fisheries Foundation	961	(961)	0
Steller Sea Lion Recovery Plan - Alaska Sea Life Center	5,912	(3,300)	2,612
Steller Sea Lion Recovery Plan - N. Pacific Universities MM Consortium	2,465	(1,665)	800
Steller Sea Lion Recovery Plan - Winter Food Limitation Rsrch (Prince William Sound)	989	(989)	0
Endangered Species Act - Right Whale Activities	10,321	(8,071)	2,250
Marine Mammal Protection - AK Harbor Seal Research	3,958	(3,058)	900
Marine Mammal Protection - Base	3,681	(1,041)	2,640
Marine Mammal Protection - Ice Seals	246	(246)	0
Marine Mammal Protection - Manatee - New College	248	(248)	0
Protected Species Mgmt - Bottlenose Dolphin Research	3,958	(3,250)	708
Protected Species Mgmt - N. Pacific Southern Resident Orca Population	1,458	(1,458)	0
Chinook Salmon - State of Alaska	1,326	(1,326)	0
Endangered Species Act - Right Whale Cooperative State Plans	1,979	(479)	1,500
Marine Mammal Strandings - Alaska Sealife Center	989	(989)	0
Marine Mammal Strandings - Charleston Health and Risk Assessment	391	(391)	0
Steller Seal Lion Recovery Plan - State of Alaska Work	1,964	(1,964)	0

	FY 2004 Estimate	Terminated Amount	FY 2005 Estimate
Native Marine Mammals - Alaska Eskimo Whaling Commission	\$492	(\$92)	\$400
Native Marine Mammals - Alaska Eskimo Whaling Commission - Participation of AEV	99	(99)	0
Bay Watersheds Edu. & Training Prog.	2,470	(2,470)	0
Blue Crab Research Consotium	1,979	(1,400)	579
Center for Marine Edu. & Rsrch MS	2,968	(2,968)	0
Charleston Bump	643	(350)	293
Chesapeake Bay Oyster Research	1,979	(1,129)	850
Chesapeake Bay Studies	3,406	(1,406)	2,000
Connecticut River Partnership	296	(296)	0
Instream Flow Pilot Program (UNH)	593	(593)	0
Mobile Bay Oyster Recovery	973	(973)	0
Narragansett Bay Marine Education Program (Save the Bay)	495	(495)	0
Non-native Oyster Chesapeake Bay Project - VA	1,979	(1,979)	0
Oyster Restoration (Chesapeake - VIMS)	1,979	(1,979)	0
South Carolina Oyster Recovery	979	(979)	0
Fisheries Habitat Restoration - Bornx River Restoration (COA)	908	(908)	0
Fisheries Habitat Restoration - Pinellas County Environ Foundation (COA)	1,484	(1,484)	0
Enforcement and Surveillance - Cooperative Agreements w/ States	17,094	(2,319)	14,775
Subtotal, NMFS	202,610	(134,608)	68,002

Oceanic and Atmospheric Research:

East Tennessee Ozone Study	297	(297)	0
Climate and Environmental Change	2,473	(2,473)	0
Abrupt Climate Change Research	495	(495)	0
Targeted Wind Sensing	1,895	(1,895)	0
New England Air Quality Study	2,968	(2,968)	0
Inst. For Study of Earth, Oceans & Space (AirMap - CCRC)	4,919	(4,919)	0
Remote Sensing Research (ISU/BCAL)	495	(495)	0
STORM (U. of N. Iowa)	487	(487)	0
Payment to OMAO	99	(99)	0
National Sea Grant College Program Base	61,948	(4,548)	57,400
National Institute for Undersea Science and Technology	4,948	(4,948)	0
NMNH East Wing (Oceans)	15,832	(15,832)	0
Submersible Microtechnology Research	983	(983)	0
Aquatic Ecosystems - Cannan Valley Institute	2,562	(2,562)	0
Institute for Science Technology and Public Policy	965	(965)	0
Great Lakes Toxicity	495	(495)	0
Gulf of Maine Council	989	(989)	0
Lake Champlain Research Consortium	248	(248)	0
NISA/Ballast Water Demonstrations	3,431	(3,431)	0
NISA/Alaska	1,286	(1,286)	0
New Hampshire Milfoil	581	(581)	0
Ocean Health Initiative	9,894	(9,894)	0
Cooperative Institute for New England Mariculture and Fisheries	2,923	(2,914)	9
Cooperative Sensor Development Lab for Oceans & Climate	495	(495)	0
Pacific Tropical Ornamental Fish	479	(479)	0
Subtotal, OAR	122,187	(64,778)	57,409

	FY 2004 Estimate	Terminated Amount	FY 2005 Estimate
National Weather Service:			
Local Warnings and Forecasts Base	\$8,947	(\$40)	\$8,907
Local Warnings and Forecasts Base	21,647	(80)	21,567
Local Warnings and Forecasts Base	516,625	(1,880)	514,745
Pacific Ocean Monitoring Buoy Augmentation	593	(593)	0
Tsunami Warning & Environmental Obs for AK (TWEAK)	1,979	(1,979)	0
Air Quality Forecasting Pilot Program	2,968	(2,968)	0
High Resolution Temperature Forecasting	4,155	(4,155)	0
Hurricane Mitigation Alliance (SUSF)	3,711	(3,711)	0
North Dakota Ag Wather Network	267	(267)	0
Mt. Washington Observatory	989	(989)	0
New England Weather Technology Initiative	495	(495)	0
NOAA Profiler Network	4,107	(4,107)	0
NC Flood Plain Mapping Pilot	593	(593)	0
Phased Array Radar (PAR) Engineering/Manufacturing	20	(20)	0
Payment to OMAO	495	(495)	0
NEXRAD	43,576	(1,236)	42,340
Subtotal, NWS	611,167	(23,608)	587,559
National Environmental Satellite, Data and Information Service:			
Global Wind Demo	3,562	(2,562)	1,000
Archive, Access & Assessment/Climate Database Modernization	22,135	(15,921)	6,214
GOES Data Archive Project	2,473	(2,473)	0
Payment to OMAO	297	(297)	0
Regional Climate Centers	2,072	(2,072)	0
International Pacific Research Ctr (U of H)	989	(989)	0
Subtotal, NESDIS	31,528	(24,314)	7,214
Program Support			
NOS Education Program	1,484	(1,484)	0
NOAA Corp Pay Differential	989	(989)	0
OSCAR DYSON Operations	743	(743)	0
VINDICATOR/HI'IALAKAI Operations	4,155	(4,155)	0
LITTLEHALES Operations	346	(346)	0
LITTLEHALES Maintenance	99	(99)	0
Subtotal, NESDIS	7,816	(7,816)	0
TOTAL, ORF	1,273,473	(386,096)	887,377
PROCUREMENT, ACQUISITION AND CONSTRUCTION			
National Ocean Service:			
Coastal and Estuarine land conservation	50,833	(50,833)	0
NERRS construction & land acquisition			
ACE Basin	4,453	(4,453)	0
Apalachicola NERR, FL	1,484	(1,484)	0
Delaware NERR/St. Jones River	248	(248)	0
Delaware NERR/Blackbird Creek	2,227	(2,227)	0

	FY 2004 Estimate	Terminated Amount	FY 2005 Estimate
Jacques Cousteau NERR, NJ	\$2,968	(\$2,968)	\$0
Bonneau Ferry, SC	16,572	(16,572)	0
Great Bay Partnership	5,936	(5,936)	0
Old Woman Creek, NERR, OH	396	(396)	0
Guana Tolomato Matanzas Reserve	1,979	(1,979)	0
Marine Sanctuaries			
Humpback Whale National Marine Sanctuary	1,723	(1,723)	0
Fort Johnson Joint Lab (SCDNR) Modernization	1,979	(1,979)	0
Kasitsna Bay Laboratory	3,958	(3,958)	0
Marine Environmental Health Research Laboratory Enhancement & Equip.	5,937	(5,937)	0
Conservation Institute	1,183	(1,183)	0
Subtotal, NOS PAC	<u>101,876</u>	<u>(101,876)</u>	<u>0</u>
National Marine Fisheries Service:			
Aquatic Resources	4,761	(4,761)	0
Southeastern Regional Office	1,584	(1,584)	0
Pascagoula Laboratory	1,979	(1,979)	0
Subtotal, NMFS PAC	<u>8,324</u>	<u>(8,324)</u>	<u>0</u>
Oceanic and Atmospheric Research:			
Barrow Arctic Research Ctr (Phase I)	8,410	(8,410)	0
Subtotal, OAR PAC	<u>8,410</u>	<u>(8,410)</u>	<u>0</u>
Program Support/Office of Marine and Aviation Operations			
AMNH	989	(989)	0
Construction	6,065	(6,065)	0
OMAO Fleet Replacement			
Fisheries Survey Vessel Replacement #3	15,332	(15,332)	0
Hiialakai (Vindicator) Fit Out	2,473	(2,473)	0
Ship Acquisition, Conversion & Maintenance	4,058	(4,058)	0
Sonar for Long Range Fisheries Research	5,640	(5,640)	0
Subtotal, PS/OMAO PAC	<u>34,557</u>	<u>(34,557)</u>	<u>0</u>
TOTAL, PAC	<u>153,167</u>	<u>(153,167)</u>	<u>0</u>
FISHERIES FINANCING PROGRAM			
Fisheries Financing Program	989	(989)	0
TOTAL, OTHER	<u>989</u>	<u>(989)</u>	<u>0</u>
TOTAL, NOAA	<u>\$1,427,629</u>	<u>(\$540,252)</u>	<u>\$887,377</u>