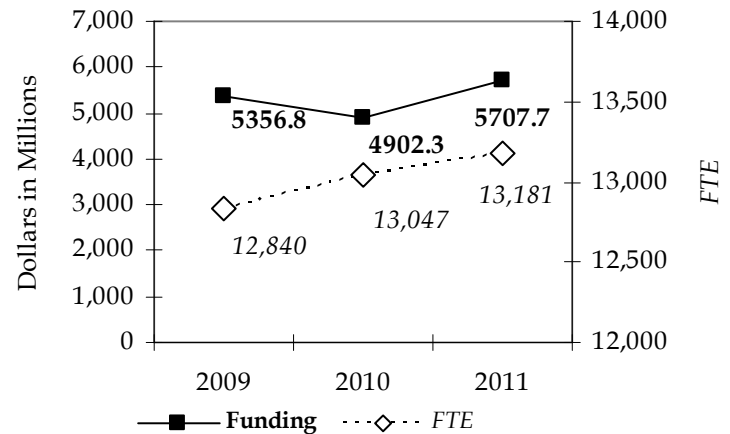


National Oceanic and Atmospheric Administration

The National Oceanic and Atmospheric Administration (NOAA) budget is divided into two primary accounts: Operations, Research and Facilities (ORF) and Procurement, Acquisition and Construction (PAC). These two accounts make up over 99 percent of the total FY 2011 NOAA appropriation. Other accounts include Pacific Coastal Salmon Recovery, 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, Limited Access System Administration Fund, Environmental Mammal Unusual Mortality Event Fund, and Medicare-Eligible Retiree Healthcare Fund.



For Fiscal Year (FY) 2011, the National Oceanic and Atmospheric Administration (NOAA) requests a total appropriation of \$5,554.5 million an increase of \$806.1 million or 17 percent over the Consolidated Appropriations Act, 2010.

Operations, Research and Facilities (ORF) and Procurement, Acquisition and Construction (PAC)

The President's budget requests \$220.1 million (over the FY 2011 base) in program changes for ORF and \$876.7 million in program changes for PAC (calculation of the FY 2011 base is depicted in the Highlights of Budget Changes tables). These two accounts fund the following NOAA elements that provide nearly all of NOAA's services:

National Ocean Service (NOS): NOS programs provide scientific, technical, and management expertise to promote safe navigation; protect and restore coastal and marine resources damaged by natural or human-induced threats; and manage and preserve coastal and ocean environments. Mapping and charting activities build on marine and coastal observations collected to increase efficiency and safety of maritime commerce for the public and other Federal agencies.

Understanding and managing the coastal environment is enhanced through coastal and ocean observations, and the coastal zone management program. NOS also manages the Papahānaumokuākea Marine National Monument, marine sanctuaries, and, through partnerships with coastal states, the nationally significant estuarine research reserves. The President's FY 2011 Budget requests a net increase of \$46.4 million for NOS.

National Marine Fisheries Service (NMFS): NMFS is responsible for the management and conservation of living marine resources within the 200-mile U.S. Exclusive Economic Zone (EEZ). NMFS is dedicated to the stewardship of living marine resources through science-based conservation and management. NMFS conserves, protects, and manages living marine resources in a way that ensures their continuation as functioning components of marine ecosystems, affords economic opportunities, and enhances the quality of life for the American public. NMFS also provides critical support and scientific and policy leadership in the international arena, and plays a key role in the management of living marine resources in coastal areas under state jurisdiction. The President's FY 2011 Budget requests a net increase of \$79.9 million for NMFS (including the Pacific Coastal Salmon Recovery Fund and the Fisherman's Contingency Fund).

Oceanic and Atmospheric Research (OAR): OAR provides the research and technology development necessary to improve NOAA climate, weather, coastal and ocean services. Through its network of over fifty Federal laboratories and university-based research programs, OAR supplies the scientific information to advise national policy decisions in such areas as climate change, air quality, coastal resource management, and stratospheric ozone depletion. OAR promotes economic growth through the development of environmental observation technologies; extreme weather preparedness; the sustainable usage of coastal, marine, and Great Lakes resources; and marine biotechnology. The President's FY 2011 Budget requests a net increase of \$55.9 million for OAR.

National Weather Service (NWS): NWS provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters, and ocean areas, for the protection of life and property and the enhancement of the national economy. NWS derives its data and products from a national information database and infrastructure that is available for use by other government agencies, the private sector, the public, and the global community. The President's FY 2011 Budget requests a net increase of \$28.0 million for NWS.

National Environmental Satellite, Data and Information Service (NESDIS): NESDIS operates the Nation's civil polar-orbiting and geostationary operational environmental satellites, plans for and develops next generation environmental satellite systems, and transitions proven NASA research satellites to operations. In addition, NESDIS manages NOAA's environmental data collections for use in studying long-term environmental change. The polar and geostationary satellites provide meteorological data to the NWS for use in developing warnings and forecasts. Environmental data and information are collected from NOAA and other sources, disseminated, and archived for future use. The President's FY 2011 Budget requests a net increase of \$847.6 million for NESDIS.

Program Support (PS): Program Support includes Corporate Services, the NOAA Education Program, Facilities, and the Office of Marine and Aviation Operations (OMAO). Through Corporate Services, NOAA provides overall NOAA management, planning and administrative support for NOAA, including acquisition and grants, budget, accounting, and human resources. The Education Program focuses on NOAA's strategic cross-cutting priorities of promoting environmental literacy and developing, valuing, and sustaining a world-class workforce. The Facilities program provides for repair, restoration and other construction efforts, along with NOAA-wide environmental compliance and safety issues. 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, plans and implements the modernization of the NOAA fleet, and provides centralized guidance for NOAA's small-boat safety program. OMAO also operates the NOAA diving program, the Teacher at Sea program, and the Teacher in the Air pilot program. The President's FY 2011 Budget requests a net increase of \$54.4 million for PS.

Other NOAA Accounts

Pacific Coastal Salmon Recovery Fund was established in FY 2000 to fund State, Tribal and local conservation initiatives to help recover threatened and endangered Pacific salmon populations in the states of California, Washington, Oregon, Idaho, and Alaska. FY 2011 President's Request includes \$65 million for the Pacific Coastal Salmon Recovery Fund.

NOAA uses the **Fishermen's Contingency Fund** 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 come from fees collected annually by the Secretary of the Interior from the holders of leases, explorations, permits, easements, and rights of way. FY 2011 President's Request includes \$350 thousand for the Fisherman's Contingency Fund.

The **Foreign Fishing Observer Fund** provides observer coverage of foreign fishing activities within the 200-mile EEZ. Fees collected from foreign governments with fishing vessels within the exclusive fishery jurisdiction of the U.S. finance the fund and are 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 provides Individual Fishing Quota (IFQ) financing at the request of a Fishery Management Council. The program also makes long term fixed rate financing available to U.S. citizens who otherwise do not qualify for financing and refinancing of the construction, reconstruction, reconditioning, and in some cases, the purchasing of fishing vessels, shoreside processing, aquaculture, and mariculture facilities. These loans provide stability to at least one aspect of an otherwise volatile industry.

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. NOAA will use a portion of these funds to offset marine fishery resource programs in the ORF appropriation in FY 2011. NOAA uses the remaining funds 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, NOAA transferred funds to the ORF account for purposes of damage assessment and restoration. Beginning in FY 2000, funds were expended in the DARRF and treated as mandatory budget authority. NOAA utilizes funds transferred to this account to respond to hazardous materials spills in the coastal and marine environments, by conducting damage assessments, providing scientific support during litigation, and using recovered damages to restore injured resources.

The **Coastal Zone Management Fund (CZMF)** 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 (CIAP). The **Coastal Impact Assistance Fund (CIAF)** receives deobligations from the Coastal Impact Assistance Program (CIAP) grants. CIAP was authorized by Congress in 2001 to assist states in mitigating the impacts from Outer Continental Shelf (OCS) oil and gas production. Congress appropriated \$150 million in FY 2001 to seven coastal states to implement this program. Funds were expended according to Coastal Impact Assistance Plans developed by the states. NOAA was charged with implementing this program at the Federal level. FY 2001 was the only year NOAA received an appropriation for these activities; however, NOAA continues to receive deobligations from this grant program, which are deposited in this account. The President's FY 2011 Budget would permanently cancel all balances in the CZMF and treat any future receipts in accordance with the Federal Credit Reform Act.

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 System Administration Fund** was established by Title III of Public Law 104-297. Fee collections equaling no more than three 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** 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.

Marine Mammal Unusual Mortality Event Fund provides funds to support investigations and responses to unusual marine mammal mortality events.

Medicare-Eligible Retiree Healthcare Fund finances the cost of Tricare retirement health care benefits accrued by the active duty members of the NOAA Commissioned Corps.

Summary of FTE

	2009 <u>Actual</u>	2010 <u>Estimate</u>	2011 <u>Estimate</u>	Increase <u>(Decrease)</u>
Operations, Research & Facilities (ORF)	11,800	12,130	12,264	134
ORF Reimbursable	705	706	706	0
Procurement, Acquisition & Construction (PAC)	271	190	190	0
Pacific Coastal Salmon Recovery	7	0	0	0
Limited Access System Administration Fund	32	0	0	0
Damage Assessment & Restoration Revolving Fund	13	16	16	0
Promote & Develop American Fishery Products	2	4	4	0
Coastal Impact Assistance Fund	10	0	0	0
Fishermen's Contingency Fund	0	1	1	0
TOTAL	12,840	13,047	13,181	134

Summary of Appropriations

(Dollars in Thousands)

<u>Appropriation</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>Increase</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>(Decrease)</u>
Operations, Research & Facilities (ORF)	\$3,045,549	\$3,305,178	\$3,303,081	(\$2,097)
ORF Recovery Act	230,000	0	0	0
Procurement, Acquisition & Construction (PAC)	1,243,647	1,358,353	2,184,091	825,738
PAC Recovery Act	600,000	0	0	0
Coastal Zone Management Fund	3,000	3,000	0	(3,000)
Fishermen's Contingency Fund	0	0	350	350
Fisheries Finance Program Account	0	0	0	0
Pacific Coastal Salmon Recovery	80,000	80,000	65,000	(15,000)
Medicare-Eligible Retiree Healthcare Fund	1,674	1,822	1,936	114
TOTAL APPROPRIATION	5,203,870	4,748,353	5,554,458	806,105
Transfers:				
<u>Operations, Research & Facilities</u>				
FROM: Promote & Develop Fishery Products	79,000	104,600	104,600	0
Coastal Zone Management Fund	3,000	3,000	0	(3,000)
Pacific Coastal Salmon Recovery	80	0	0	0
Procurement, Acquisition and Construction	1,844	0	0	0
Fisheries Finance Program Account	495	0	0	0
Subtotal, ORF	84,419	107,600	104,600	(3,000)
<u>Coastal Zone Management Fund</u>				
TO: ORF	(3,000)	(3,000)	0	3,000
<u>Pacific Coastal Salmon Recovery</u>				
TO: Fisheries Finance Program Account	(80)	0	0	0
<u>Procurement, Acquisition & Construction (PAC)</u>				
TO: ORF	(1,844)	0	0	0
<u>Fisheries Finance Program Account (FFPA)</u>				
TO: ORF	(495)	0	0	0
<u>Promote & Develop American Fishery Products (P&D)</u>				
TO: ORF	(79,000)	(104,600)	(104,600)	0
FROM: Department of Agriculture (mandatory funds)	108,511	113,371	113,371	0
Subtotal, P&D	29,511	8,771	8,771	0
TOTAL TRANSFERS	108,511	113,371	113,371	0
Unobligated balances, rescission				
Foreign Fishing Observer Fund	0	0	(350)	(350)
	0	0	0	0
TOTAL UNOBLIGATED BALANCES, RESCISSION	0	0	(350)	(350)

	2009	2010	2011	Increase
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>(Decrease)</u>
Mandatory Accounts				
Damage Assessment & Restoration Revolving Fund	\$2,585	\$3,000	\$3,000	\$0
Fisheries Finance Program Account	1,996	5,777	0	(5,777)
Environmental Improvement and Restoration Fund	9,641	506	3,039	2,533
CZMF mandatory offsetting collections	(887)	(1,500)	(1,500)	0
Federal Ship Financing Fund	(144)	(740)	0	740
NOAA Corps Retirement Pay	24,272	26,116	28,269	2,153
Western Pacific Sustainable Fisheries	650	0	0	0
Limited Access System Administration Fund	6,271	7,444	7,444	0
TOTAL BUDGET AUTHORITY	5,356,765	4,902,327	5,707,731	805,404
Mandatory Funds	152,895	153,974	153,623	(351)
Discretionary Budget Authority				
Operations, Research & Facilities (ORF)	3,359,968	3,412,778	3,407,681	(5,097)
P&D Transfer	(79,000)	(104,600)	(104,600)	0
Procurement, Acquisition & Construction (PAC)	1,841,803	1,358,353	2,184,091	825,738
Medicare-Eligible Retiree Healthcare Fund	1,674	1,822	1,936	114
Fishermen's Contingency Fund	0	0	350	350
Foreign Fishing Observer Fund	0	0	(350)	(350)
Fisheries Finance Program Account	(495)	0	0	0
Pacific Coastal Salmon Recovery	79,920	80,000	65,000	(15,000)
TOTAL DISCRETIONARY	5,203,870	4,748,353	5,554,108	805,755
BUDGET AUTHORITY				
OFFSETTING RECEIPTS:				
Fisheries Finance Negative Subsidy Receipt Account	(1,626)	(6,929)	(8,001)	(1,072)
Adjustment to reflect reestimates				0
Total, Negative Subsidy	(1,626)	(6,929)	(8,001)	(1,072)

Highlights of Budget Changes

Appropriation: Operations, Research and Facilities

Summary of Requirements

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2010 Appropriation			12,130	\$3,305,178
<u>Transfers</u>				
From Promote and Develop American Fisheries		\$104,600		
From Coastal Zone Management Fund		3,000		
Subtotal, Transfers				107,600
Adjustments to Base:				
<u>Adjustments</u>				
Less Terminations (terminated projects identified in NOAA technical budget)		(277,484)		
Transfer PAC to ORF NWS		3,504		
Subtotal, Adjustments			0	(273,980)
<u>Other Cost Changes</u>				
2010 Pay raise		7,333		
2011 Pay raise		13,312		
Payment to Working Capital Fund		230		
Full year costs of positions financed for part-year in FY 2010	54	4,794		
OMAO Wage Marine Overtime on NOAA Ships		64		
Civil Service Retirement System(CSRS)		(2,098)		
Federal Employees' Retirement System(FERS)		7,624		
Thrift Savings Plan		600		
Federal Insurance Contributions Act (FICA) - OASDI		1,822		
Health insurance		4,320		
Employees Compensation Fund		820		
Travel:				
Per diem		1,630		
Mileage		(214)		
Rent payments to GSA		1,035		
Printing and reproduction		68		
Electricity		61		
NARA Storage & maintenance costs		(9)		
Other services:				
Working Capital Fund		3,975		
Postage		116		
Commerce Business System		180		

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
General Pricing Level Adjustment:				
Transportation of things		\$130		
Rental payments to others		144		
Communications, utilities and miscellaneous charges		599		
Other services		6,465		
Supplies & Materials		631		
Equipment		433		
Grants		550		
Fuel Cost - OMAO		4,403		
Subtotal, other cost changes			54	\$59,018
Less Amount Absorbed				(4,241)
TOTAL, ADJUSTMENTS TO BASE			54	54,777
2011 Base			12,184	3,193,575
Program Changes			80	220,106
TOTAL REQUIREMENTS			12,264	3,413,681
Recoveries from prior year obligations in FY 2011				(6,000)
Transfers:				
From Promote and Develop American Fishery Products and Research				(104,600)
2011 APPROPRIATION			12,264	3,303,081

Comparison by Activity

	2010 Currently Avail.		2011 Base		2011 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS								
National Ocean Service	1,229	\$522,545	1,230	\$464,164	1,242	\$500,608	12	\$36,444
National Marine Fisheries Service	2,818	926,598	2,860	843,222	2,877	907,777	17	64,555
Oceanic & Atmospheric Research	744	441,293	747	398,631	773	454,481	26	55,850
National Weather Service	4,613	892,151	4,614	884,997	4,618	902,462	4	17,465
National Environmental Satellite, Data & Information Service	678	200,238	678	174,077	682	190,223	4	16,146
Program Support	2,048	468,687	2,055	428,484	2,072	458,130	17	29,646
DIRECT OBLIGATIONS	12,130	3,451,512	12,184	3,193,575	12,264	3,413,681	80	220,106
NOAA Corp Retirement (mandatory)	0	26,116	0	28,269	0	28,269	0	0
TOTAL DIRECT OBLIGATIONS	12,130	3,477,628	12,184	3,221,844	12,264	3,441,950	80	220,106
REIMBURSABLE OBLIGATIONS								
From Offsetting Collections	706	361,154	706	242,000	706	242,000	0	0
TOTAL OBLIGATIONS	12,836	3,838,782	12,890	3,463,844	12,970	3,683,950	80	220,106
FINANCING								
Unobligated balance, start of year	0	(157,888)	0	0	0	0	0	0
Offsetting Collections	(706)	(242,000)	(706)	(242,000)	(706)	(242,000)	0	0
Deobligations	0	0	0	(6,000)	0	(6,000)	0	0
Subtotal, Financing	(706)	(399,888)	(706)	(248,000)	(706)	(248,000)	0	0
TOTAL BUDGET AUTHORITY	12,130	3,438,894	12,184	3,215,844	12,264	3,435,950	80	220,106
Transfers / Mandatory	0	(133,716)	0	(135,869)	0	(132,869)	0	3,000
APPROPRIATION, ORF	12,130	3,305,178	12,184	3,079,975	12,264	3,303,081	80	223,106

Highlights of Major Program Changes

Program Changes are summarized by line office at the sub-activity level below.

National Ocean Service (NOS)

	Base		Increase / Decrease	
	FTE	Amount	FTE	Amount
<u>Ocean Resources Conservation & Assessment</u>	428	\$161,076	+11	+\$17,594

NOAA requests the following increases for this sub-activity:

- An increase of 9 FTE and \$6,770 to develop an agency-wide capability to conduct and support comprehensive coastal and marine spatial planning (CMSP) in U.S. waters.
- An increase of 2 FTE and \$4,000 to reduce the vulnerability of coastal communities and the Federal treasury to the hardship and costs associated with climate-related natural hazards.
- An increase of 0 FTE and \$2,000 to develop a nationally integrated topographic/bathymetric dataset to address a range of high-priority coastal issues.

- An increase of 0 FTE and \$9,500 to develop and improve sensors that will detect and sample ocean biological and physical parameters at multiple spatial and temporal scales.
- An increase of 0 FTE and \$74 for the Coastal Storms Program to support existing program requirements at the level of funding recommended in the FY 2010 President’s Budget, but not provided for in the Consolidated Appropriations Act, 2010.

NOAA requests the following decrease for this sub-activity:

- A decrease of 0 FTE and -\$4,750 ending the competitive grant program targeted at advancing regional coastal resource priorities identified by the Gulf of Mexico Alliance. Previous recipients of these grants will be eligible to compete for funding under the new regional ocean partnership grants.

	Base		Increase / Decrease	
	FTE	Amount	FTE	Amount
<u>Ocean and Coastal Management</u>	252	\$146,938	+1	+\$18,850

NOAA requests the following increase for this sub-activity:

- An increase of 1 FTE and \$20,000 for a targeted competitive grant program to advance regional ocean management through support for regional ocean partnerships, including coastal and marine spatial planning.

NOAA requests the following decrease for this sub-activity:

- A decrease of 0 FTE and -\$1,150 for reduced funding for emerging energy responsibilities.

National Marine Fisheries Service (NMFS)

<u>Protected Species Research and Management</u>	817	\$194,447	+10	+\$15,804
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NOAA requests the following increases for this sub-activity:

- An increase of 7 FTE and \$3,000 to meet the growing demand for consultations under Section 7 of the Endangered Species Act (ESA).
- An increase of 0 FTE and \$9,636 for the conservation and recovery of marine and anadromous species under NMFS jurisdiction and listed under the Endangered Species Act (ESA) through the Species Recovery Grants Program.
- An increase of 0 FTE and \$2,668 to monitor Pacific Salmon reintroductions, evaluate the effectiveness of restoration efforts, and expand NMFS genetic stock identification capability.
- An increase of 3 FTE and \$1,000 to support the Water Operations Oversight and Coordination activities under the CalFED Bay Delta program.

NOAA requests the following decrease for this sub-activity:

- A decrease of 0 FTE and -\$500 for the Atlantic Salmon program.

<u>Fisheries Research and Management</u>	1,366	\$426,976	+15	+\$36,600
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NOAA requests the following increases for this sub-activity:

- An increase of 10 FTE and \$36,600 to accelerate and enhance implementation of a National Catch Share Program.
- An increase of 5 FTE and \$5,400 to support the creation of Integrated Ecosystem Assessments.

NOAA requests the following decrease for this sub-activity:

- A decrease of 0 FTE and -\$5,400 for Salmon Management Activities to reflect completion of activities related to the implementation of the Pacific Salmon Treaty.

	Base		Increase / Decrease	
	FTE	Amount	FTE	Amount
<u>Habitat Conservation and Restoration</u>	149	\$44,554	+0	+\$10,364

NOAA requests the following increase for this sub-activity:

- An increase of 0 FTE and \$10,364 for the community based restoration program to implement larger-scale ecological restoration projects.

<u>Other Activities Supporting Fisheries</u>	143	\$71,900	-8	+\$1,787
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NOAA requests the following increases for this sub-activity:

- An increase of 1 FTE and \$2,352 to support the NOAA/USDA Alternative Feeds Initiative to develop alternative aquaculture feeds.
- An increase of 4 FTE and \$5,000 to support the Chesapeake Bay Executive Order and NOAA's Chesapeake Bay restoration efforts.

NOAA requests the following decrease for this sub-activity:

- A decrease of -13 FTE and -\$4,565 for Cooperative Research.
- A decrease of 0 FTE and -\$1,000 for temporary leases at the Southwest Fisheries Science Center.

Oceanic and Atmospheric Research (OAR)

<u>Climate Research</u>	361	\$207,209	+23	+\$34,300
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NOAA requests the following increases for this sub-activity:

- An increase of 2 FTE and \$1,500 to support development of a new NOAA Climate Services Portal.
- An increase of 10 FTE and \$6,980 to enable continued development and use of state of the art Earth System Models to address urgent climate issues, including sea-level rise, feedbacks to the global carbon cycle, Arctic climate change, and decadal predictability of extreme events.
- An increase of 7 FTE and \$8,000 to complete and sustain an observation and analysis system to determine uptake and emissions of carbon dioxide and greenhouse gases across North America.
- An increase of 0 FTE and \$4,820 to accelerate the build-out of the U.S. contribution to the Global Ocean Observing System (GOOS).
- An increase of 1 FTE and \$3,000 to continue and sustain Arctic observations as part of the U.S. contribution to the International Arctic Observing Network and the associated Global Ocean Observing System (GOOS).
- An increase of 3 FTE and \$10,000 to provide permanent capability to produce climate assessments at national and regional scales.

<u>Weather and Air Quality Research</u>	210	\$64,855	0	+\$10,697
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NOAA requests the following increases for this sub-activity:

- An increase of 0 FTE and \$6,000 for Multi-Function Phase Array Radar (MPAR).
- An increase of 0 FTE and \$7,672 to facilitate the transition of water resources research to operations.
- An increase of 0 FTE and \$25 for the Weather and Air Quality Research Laboratories and Cooperative Institutes maintenance at the level of funding recommended in the FY 2010 President's Budget, but not provided for in the Consolidated Appropriations Act, 2010.

NOAA requests the following decrease for this sub-activity:

- A decrease of 0 FTE and -\$3,000 to reflect the planned completion in FY 2010 of a program to test the ability of High Altitude Long-range Endurance unmanned aircraft systems to meet NOAA mission requirements.

	Base		Increase / Decrease	
	FTE	Amount	FTE	Amount
<u>Ocean, Coastal & Great Lakes Research</u>	163	\$113,490	3	+\$10,800

NOAA requests the following increases for this sub-activity:

- An increase of 0 FTE and \$2,700 for the National Sea Grant Marine Aquaculture Initiative
- An increase of 0 FTE and \$2,000 for the National Sea Grant to help coastal communities prepare for and respond to natural hazards and extreme events.
- An increase of 3 FTE and \$6,100 for the implementation of a NOAA Integrated Ocean Acidification (OA) Initiative.

National Weather Service (NWS)

<u>Operations and Research</u>	4,426	\$782,771	+4	+\$17,136
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NOAA requests the following increases for this sub-activity:

- An increase of 0 FTE and \$2,000 to make required IT security improvements to the Nation's National Critical Space Weather System required to maintain its authority to operate.
- An increase of 4 FTE and \$15,136 to improve aviation weather services and support the weather information component of the multi-agency Next Generation Air Transportation System (NextGen) program.

<u>Systems Operation and Maintenance</u>	188	\$102,226	+0	+\$329
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NOAA requests the following increases for this sub-activity:

- An increase of 0 FTE and \$127 to support NEXRAD operations and maintenance at the level of funding recommended in the FY 2010 President's Budget, but not provided for in the Consolidated Appropriations Act, 2010.
- An increase of 0 FTE and \$202 to support the ASOS operations and maintenance at the level of funding recommended in the FY 2010 President's Budget, but not provided for in the Consolidated Appropriations Act, 2010.

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

<u>Environmental Satellite Observing Systems</u>	409	\$112,166	0	+\$3,108
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NOAA requests the following increases for this sub-activity:

- An increase of 0 FTE and \$3,108 for product, processing and distribution to improve Information Technology (IT) Satellite Security.

<u>Data Centers & Information Services</u>	269	\$61,911	4	+\$13,038
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NOAA requests the following increases for this sub-activity:

- An increase of 2 FTE and \$2,000 for Data Center operations to close the gap in long-term safe storage of and access to the Nation's environmental data and information.

- An increase of 2 FTE and \$11,000 for Climate Data Records to transform raw satellite data into unified and coherent long-term environmental observations and products, which are critical to advancing climate change understanding, prediction, mitigation, and adaptation.
- An increase of \$38 to support Coastal Data Development at the level of funding recommended in the FY 2010 President's Budget, but not provided for in the Omnibus Appropriations Act, 2010.

Program Support

<u>Corporate Services</u>	1,010	\$206,126	+11	+\$16,898
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NOAA requests the following increases for this sub-activity:

- An increase of 0 FTEs and \$1,000 to enable NOAA General Counsel to provide necessary legal support to NOAA programs.
- An increase of 0 FTE and \$4,345 to support acquisition and grant services for NOAA.
- An increase of 1 FTE and \$1,113 to implement a DOC wide acquisition intern program housed in NOAA.
- An increase of 4 FTE and \$795 to build additional acquisition management capacity within the Department.
- An increase of 2 FTE and \$4,000 to acquire, install, operate, and maintain the NOAAnet Single Enterprise Network.
- An increase of 4 FTE and \$4,700 to improve Enterprise Information Technology (IT) Security by enhancing nationwide security monitoring and incident response and providing an incremental implementation of the NOAA Cyber Security
- An increase of 0 FTE and \$945 to support compliance with Homeland Security Presidential Directive-12 (HSPD-12), Personal Identity Verification-II (PIV-II) access requirements.

<u>Facilities</u>	5	\$30,648	+1	+\$5,758
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- An increase of 0 FTE and \$5,000 to support major restoration and modernization projects to address critical facility condition deficiencies, and improve safety and operating conditions in support of NOAA's mission.
- An increase of 1 FTE and \$758 to restore funding for the long-term property transfer and environmental monitoring activities on the Pribilof Islands.

<u>Marine Operations</u>	931	\$147,655	+5	+\$6,990
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- An increase of 5 FTE and \$790 to continue improve the NOAA Dive Center.
- An increase of 0 FTE and \$6,200 for Preventative, Corrective, and Deferred Ship Maintenance.

Detailed Comparison by Activity

	2010 Currently Avail.		2011 Base		2011 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
NATIONAL OCEAN SERVICE								
Navigation Services:								
Mapping & Charting	272	\$97,335	272	\$96,999	272	\$96,999	0	\$0
Geodesy	154	37,265	154	29,436	154	29,436	0	0
Tide & Current Data	124	33,794	124	29,715	124	29,715	0	0
Total, Navigation Services	550	168,394	550	156,150	550	156,150	0	0
Ocean Research Conservation and Assessment:								
Ocean Assessment Program (OAP)	113	113,009	112	80,589	123	88,683	11	8,094
Response and Restoration	118	28,136	118	24,706	118	24,706	0	0
National Centers for Coastal Ocean Science	197	54,849	198	55,781	198	65,281	0	9,500
Total, Ocean Res. Conservation & Assessment	428	195,994	428	161,076	439	178,670	11	17,594
Ocean and Coastal Management:								
Coastal Management	69	105,065	70	101,285	71	120,135	1	18,850
Ocean Management (Marine Sanctuary Program)	182	53,092	182	45,653	182	45,653	0	0
Total, Ocean & Coastal Management	251	158,157	252	146,938	253	165,788	1	18,850
TOTAL, NOS	1,229	522,545	1,230	464,164	1,242	500,608	12	36,444
NATIONAL MARINE FISHERIES SERVICE								
Protected Species Research & Management	799	206,806	817	194,447	827	210,251	10	15,804
Fisheries Research and Management	1,353	436,867	1,366	426,976	1,381	463,576	15	36,600
Enforcement & Observers/Training	375	107,482	385	105,345	385	105,345	0	0
Habitat Conservation & Restoration	149	70,698	149	44,554	149	54,918	0	10,364
Other Activities Supporting Fisheries	142	104,745	143	71,900	135	73,687	(8)	1,787
TOTAL, NMFS	2,818	926,598	2,860	843,222	2,877	907,777	17	64,555
OCEANIC & ATMOSPHERIC RESEARCH								
Climate Research:								
Laboratories & Cooperative Institutes	249	55,218	249	53,846	249	53,846	0	0
Climate Data & Information	3	12,094	3	12,091	5	13,591	2	1,500
Competitive Research Program	107	153,809	109	140,359	130	173,159	21	32,800
Climate Operations	0	913	0	913	0	913	0	0
Other Partnership Programs	0	4,099	0	0	0	0	0	0
Total, Climate Research	359	226,133	361	207,209	384	241,509	23	34,300
Weather and Air Quality Research:								
Laboratories & Cooperative Institutes	188	55,346	189	55,318	189	60,015	0	4,697
Weather & Air Quality Research Programs	21	9,588	21	9,537	21	15,537	0	6,000
Invasive Species & Partnership Programs	0	5,475	0	0	0	0	0	0
Total, Weather and Air Quality Res.	209	70,409	210	64,855	210	75,552	0	10,697

	2010 Currently Avail.		2011 Base		2011 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Ocean, Coastal and Great Lakes Research:								
Laboratories & Cooperative Institutes	119	\$21,961	119	\$22,355	119	\$22,355	0	\$0
National Sea Grant College Program	27	63,231	27	57,796	27	62,496	0	4,700
National Undersea Research Program	0	8,955					0	0
Ocean Exploration and Research	17	22,383	17	27,839	17	27,839	0	0
Other Ecosystems Programs	0	0	0	5,500	3	11,600	3	6,100
Other Partnership Programs	0	15,092	0	0	0	0	0	0
Total, Ocean, Coastal and Great Lakes Research	163	131,622	163	113,490	166	124,290	3	10,800
Info Technology and R&D	13	13,129	13	13,077	13	13,130	0	53
TOTAL, OAR	744	441,293	747	398,631	773	454,481	26	55,850
NATIONAL WEATHER SERVICE								
Operations & Research:								
Local Warnings & Forecasts	4,118	710,633	4,119	702,279	4,123	719,415	4	17,136
Central Forecast Guidance	307	79,534	307	80,492	307	80,492	0	0
Total, Operations & Research	4,425	790,167	4,426	782,771	4,430	799,907	4	17,136
Systems Operation and Maintenance	188	101,984	188	102,226	188	102,555	0	329
TOTAL, NWS	4,613	892,151	4,614	884,997	4,618	902,462	4	17,465
NATIONAL ENVIRONMENTAL SATELLITE DATA & INFORMATION SERVICE								
Environmental Satellite Observing Systems:								
Satellite command and control	174	47,569	174	48,199	174	48,199	0	0
Product processing and distribution	123	33,046	123	33,132	123	36,240	0	3,108
Product develop, readiness & appl.	102	28,027	102	28,352	102	28,352	0	0
Office of Space Commercialization	5	654	5	658	5	658	0	0
Group on Earth Observations (GEO)	0	500	0	506	0	506	0	0
Commercial Remote Sensing Lic. & Enf.	5	1,414	5	1,319	5	1,319	0	0
Total, Environmental Satellite Observing Systems	409	111,210	409	112,166	409	115,274	0	3,108
NOAA Data Centers & Information Services:								
Archive, access & assessment	230	67,546	230	47,739	234	60,739	4	13,000
Coastal data development	16	4,559	16	4,620	16	4,658	0	38
Regional Climate Centers	0	3,500	0	0	0	0	0	0
NOAA Regional Climate Center program	0	850	0	0	0	0	0	0
Environmental data systems modern.	23	9,573	23	9,552	23	9,552	0	0
Integrated Env. Appl. & Info. Ctr.	0	3,000	0	0	0	0	0	0
Tot., NOAA Data Centers & Info. Serv.	269	89,028	269	61,911	273	74,949	4	13,038
TOTAL, NESDIS	678	200,238	678	174,077	682	190,223	4	16,146

	2010 Currently Avail.		2011 Base		2011 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
PROGRAM SUPPORT								
Corporate Services:								
Under Secretary & Assoc. Office	219	\$28,438	219	\$28,965	219	\$29,965	0	\$1,000
NOAA-wide Corporate Services	790	176,765	791	177,161	802	193,059	11	15,898
Sub-total, Corporate Services	1,009	205,203	1,010	206,126	1,021	223,024	11	16,898
NOAA Education Program	10	55,467	10	20,758	10	20,758	0	0
Facilities Mgmt, Construct & Maint.	4	30,353	5	30,648	6	36,406	1	5,758
Total, Corporate/Education/Facilities	1,023	291,023	1,025	257,532	1,037	280,188	12	22,656
Office of Marine and Aviation Operations (OMAO)								
Marine Operations								
Marine Services	918	120,125	923	123,465	928	124,255	5	790
Fleet planning & maintenance	3	28,010	3	17,200	3	23,400	0	6,200
Sub-total, Marine Ops & Maint.	921	148,135	926	140,665	931	147,655	5	6,990
Aviation Operations	104	29,529	104	30,287	104	30,287	0	0
NOAA Corps pension & health benefits	0	0	0	0	0	0	0	0
Total, OMAO	1,025	177,664	1,030	170,952	1,035	177,942	5	6,990
TOTAL, PROGRAM SUPPORT	2,048	468,687	2,055	428,484	2,072	458,130	17	29,646
DIRECT OBLIGATIONS								
NOAA Corps retirement pay (mand.)	0	26,116	0	28,269	0	28,269	0	0
TOTAL DIRECT OBLIGATIONS	12,130	3,477,628	12,184	3,221,844	12,264	3,441,950	80	220,106
REIMBURSABLE OBLIGATIONS								
From Offsetting collections	706	361,154	706	242,000	706	242,000	0	0
TOTAL OBLIGATIONS, ORF	12,836	3,838,782	12,890	3,463,844	12,970	3,683,950	80	220,106
FINANCING								
Unobligated balance, start of year	0	(157,888)	0	0	0	0	0	0
Offsetting Collections	(706)	(242,000)	(706)	(242,000)	(706)	(242,000)	0	0
De-obligations (direct)	0	0	0	(6,000)	0	(6,000)	0	0
Subtotal, Financing	(706)	(399,888)	(706)	(248,000)	(706)	(248,000)	0	0
TOTAL BUDGET AUTHORITY, ORF	12,130	3,438,894	12,184	3,215,844	12,264	3,435,950	80	220,106
FINANCING FROM:								
NOAA Corps retirement pay (mandatory)	0	(26,116)	0	(28,269)	0	(28,269)	0	0
From Promote and Develop American Fisheries	0	(104,600)	0	(104,600)	0	(104,600)	0	0
From Coastal Zone Management	0	(3,000)	0	(3,000)	0	0	0	3,000
Subtotal, Transfers / Mandatory	0	(133,716)	0	(135,869)	0	(132,869)	0	3,000
APPROPRIATION, ORF	12,130	3,305,178	12,184	3,079,975	12,264	3,303,081	80	223,106