

Chapter 7

Special Exhibits

Summary by Appropriation (Dollars in thousands)

<u>Appropriation</u>	2005 <u>Actual</u>	2006 <u>Estimate</u>	2007 <u>Estimate</u>	Increase <u>(Decrease)</u>
Operations, Research & Facilities (ORF)	\$2,789,674	\$2,744,236	\$2,587,843	(\$156,393)
Procurement, Acquisition & Construction (PAC)	1,053,335	1,147,319	1,024,467	(122,852)
Coastal Zone Management Fund	3,000	3,000	3,000	0
Fishermen's Contingency Fund	492	0	0	0
Marine Mammal Unusual Event Mortality Fund	800	0	0	0
Fisheries Finance Program Account	628	283	0	(283)
Pacific Coastal Salmon Recovery	88,798	66,638	66,825	187
Medicare-Eligible Retiree Healthcare Fund	0	1,645	2,012	367
TOTAL APPROPRIATION	3,936,727	3,963,121	3,684,147	(278,974)
Transfers:				
<u>Operations, Research & Facilities</u>				
FROM: Promote & Develop Fishery Products	65,000	67,000	77,000	10,000
Coastal Zone Management Fund	3,000	3,000	3,000	0
Pacific Coastal Salmon Recovery	89	67	0	(67)
Procurement, Acquisition and Construction	1,842	1,147	0	(1,147)
Fisheries Finance Program Account	1	0	0	0
Department of Defense - Navy	18,000	0	0	0
Department of Interior	(4,500)	0	0	0
TO: Procurement, Acquisition and Construction	(366)	0	0	0
Fisheries Finance Program Account	(247)	(1,972)	0	1,972
Marine Mammal Commission	0	0	0	0
Subtotal, ORF	82,819	69,242	80,000	10,758
<u>Coastal Zone Management Fund</u>				
TO: ORF	(3,000)	(3,000)	(3,000)	0
<u>Pacific Coastal Salmon Recovery</u>				
TO: Fisheries Finance Program Account	(493)	0	0	0
TO: ORF	(89)	(67)	0	67
Subtotal, PCSR	(582)	(67)	0	67
<u>Procurement, Acquisition & Construction (PAC)</u>				
TO: ORF	(1,842)	(1,147)	0	1,147
FROM: ORF	366	0	0	0
TO: NASA	0	(26,629)	0	26,629
<u>Fisheries Finance Program Account (FFPA)</u>				
TO: ORF	(1)	0	0	0
FROM: Pacific Coastal Salmon Recovery	493	0	0	0
FROM: ORF	247	1,972	0	(1,972)
Subtotal, FFPA	739	1,972	0	(1,972)

<u>Appropriation</u>	2005 <u>Actual</u>	2006 <u>Estimate</u>	2007 <u>Estimate</u>	Increase <u>(Decrease)</u>
<u>Promote & Develop American Fishery Products (P&D)</u>				
TO: ORF	(\$65,000)	(\$67,000)	(\$77,000)	(\$10,000)
FROM: Department of Agriculture	77,539	79,283	79,283	0
Subtotal, P&D	12,539	12,283	2,283	(10,000)
TOTAL TRANSFERS	91,039	52,654	79,283	26,629
Unobligated balances, rescission				
Operations, Research & Facilities (ORF)	0	(11,629)	0	11,629
Procurement, Acquisition & Construction (PAC)	0	(13,371)	0	13,371
TOTAL UNOBLIGATED BALANCES, RESCISSION	0	(25,000)	0	25,000
Mandatory Accounts				
Damage Assessment & Restoration Revolving Fund	16	1,000	1,000	0
Fisheries Finance Program Account	5,144	6,316	0	(6,316)
Environmental Improvement and Restoration Fund	6,836	8,281	8,720	439
CZMF mandatory offsetting collections	(1,637)	(3,000)	(3,000)	0
Federal Ship Financing Fund	0	(2,000)	(2,000)	0
NOAA Corps Retirement Pay	17,574	18,504	19,322	818
Limited Access System Administration Fund	3,040	7,444	7,444	0
TOTAL BUDGET AUTHORITY	4,058,739	4,027,320	3,794,916	(232,404)
Mandatory Funds	108,512	115,828	110,769	(5,059)
Discretionary Budget Authority				
Operations, Research & Facilities (ORF)	2,872,493	2,801,849	2,667,843	(134,006)
P&D Transfer	(65,000)	(67,000)	(77,000)	(10,000)
Procurement, Acquisition & Construction (PAC)	1,051,859	1,106,172	1,024,467	(81,705)
Coastal Zone Management Fund	0	0	0	0
Fishermen's Contingency Fund	492	0	0	0
Marine Mammal Unusual Mortality Event Fund	800	0	0	0
Medicare-Eligible Retiree Healthcare Fund	0	1,645	2,012	367
Fisheries Finance Program Account	1,367	2,255	0	(2,255)
Pacific Coastal Salmon Recovery	88,216	66,571	66,825	254
TOTAL DISCRETIONARY	3,950,227	3,911,492	3,684,147	(227,345)
BUDGET AUTHORITY				

Adjustments to Current Programs (Adjustments to Base) – requested \$29,649,000:

Adjustments to Base (ATBs) are defined as increases or decreases to *specific object classes* that:

1. Represent the *same level of effort* as the current budget year,
2. Are *outside of the agency management’s control*,
3. Are supported by *specific documentation*, and
4. Are a *known cost* (or fixed cost of doing business).

NOAA has requested the following increases for labor-related and non-labor ATBs:

(Dollars in Millions)

	Labor-related (Salary & Benefits)	Non-labor (Other Object Classes)	Total
NOS	\$0.8	\$0.3	\$1.1
NMFS	3.9	0.5	4.4
OAR	3.2	0.0	3.2
NWS	20.0	5.5	25.5
NESDIS	1.7	0.0	1.7
Program Support	1.7	2.2	3.9
ORF/PAC – Total	31.3	8.5	39.8
Restored Rescissions			5.2
Technical ATBs, Adjustments & Transfers Deobligations			-9.4 -6.0
Total Appropriated (Budget Authority) ATBs	\$31.3	\$8.5	\$29.6

These increases for ATBs will help fund the agency’s overall anticipated adjustments to the current programs. Program totals will fund the FY 2007 Federal pay raise of 2.2 percent and annualize the FY 2006 pay raise of 3.1 percent. In addition, program totals will also fund inflationary increases for non-labor activities, including service contracts, utilities, field office lease payments, and rent charges from the General Services Administration.

FY06 Proposed Terminations

NOAA (\$ in Thousands)	FY 2006 Terminations
NATIONAL OCEAN SERVICE	
EEZ Outer Continental Shelf Ocean Bottom Claims	2,170
Alaska Surveys, Current and Tide Data	3,451
MS/LA Digital Coast	986
Vessel Time Charter	11,687
Dune System Assessment & Shoreline Change Analysis	493
Coastal Environmental Mapping Consortium	789
River Studies	740
Height Modernization Regional Expansion - AL	1,943
Height Modernization Regional Expansion -TX	740
Height Modernization Study - MS	591
Geodetic Survey- KY	493
Geodetic Survey - WI	2,959
Geodetic Survey - AZ	494
Great Lakes NWLON	1,972
Ocean Assessment Program Base	8,176
Coastal OCEAN Research & Monitoring Program	493
NOAA ICOOS	7,397
NOAA/UNH Joint Ocean Observing Technology Center	1,972
Alaska Ocean Observing System	1,676
Gulf of Maine Observing System	493
Long Island Sound Observing System	986
Central Gulf of Mexico Observing System (USM)	1,972
So Cal Coastal Ocean Observing System (Scripps)	1,480
Center for Integrated Marine Technologies	2,022
Alliance for Coastal Technologies	2,959
Center for Coastal Ocean Observation and Analysis	2,466
Carolina Coastal Ocean Observing and Prediction System	2,022
Wallops Ocean Observation Project	1,972
Cook Inlet Coastal Monitoring and Habitat	986
Coastal Services Center	1,041
Mississippi Digital Earth	2,959
Pacific Coastal Services Center	3,538
Coastal Change Analysis	493
Lake Pontchartrain	1,972
CREST	986
CI-CORE	2,466
Aquatic Research Consortium MS	2,466
Hawaii Coral Reef Initiative	1,480
Florida Coral Reef	986
Coral Reef - Puerto Rico	493
National Fish and Wildlife Foundation - NFWF	690
Ocean Health Initiative	4,931
White Water to Blue Water	986

NOAA (\$ in Thousands)	FY 2006 Terminations
Oregon Ocean Observing	493
SURA Coastal Ocean Observing System	2,466
National Maritime Center	1,972
Lake Erie Monitoring	494
Louisiana Long Term Estuary Assessment	986
Mitigating Coastal Development Impacts/MS State Univ.	986
Marine Wildlife Noise Impacts / Univ of RI	493
Marine Debris	3,945
Marine Debris Removal - Alaska	1,233
Aquatic Resources	4,438
Vieques	986
Center for Marine Spill Response Project	2,959
Center for Coastal Environmental Health & Biomolecular Rsrch Oxford, MD	7,140
Center for Sponsored Coastal Ocean Research	2,908
NCCOS Headquarters	1,263
Marine Environmental Health Rsrch Lab (MEHRL)	779
CZM Grants	114
Non-point Pollution Implementation Grants	2,117
Baldwin Educational Program	2,959
Northeast Hawaiian Islands Rsrch / HI Institute of Marine Biology	986
Northwest Straits Citizens Advisory Commission	2,220
Armand Bayou and Genoa-Red Bluff, TX	1,381
Maumee River Basin, Ohio	345
Orange Beach (Robinson Island), AL	1,479
Moose Mountain	789
Newfields	986
Winnicut Headwaters	1,972
Twelve Oaks	1,479
Grand River Big Pond	887
Eastern Shore	306
Jamestown	542
Sowams Property	1,972
Maquoit Bay	986
South Carolina Coastal Inittative	542
Babcock Ranch	1,479
Chesapeake Bay	2,959
Blackbird Creek Reserve	3,945
Tuniper's Pond	1,479
Detroit Riverfront West	494
Potter Creek/Otis Bogs	2,959
Piedras Blancas	494
Herring River	494
Elmer's Island	494
Tchefuncte Marsh	247
Webster Woods	197
Commencement Bay	740
	1,529

NOAA (\$ in Thousands)	FY 2006 Terminations
Coastal Ecosystems (Mobile & Baldwin)	4,931
Pond Brook	1,332
Ferolbink Farm	494
Common Pasture	247
Hidalgo Park	346
Brays Bayou	395
Oswegatchie Hills	875
Texas NERR	4,375
Great Bay Partnership, NH	5,917
Village Point Park Preserve	986
Channel Islands National Marine Sanctuary	2,959
Flower Gardens Banks Patrol Craft	3,156
Small Boats	4,931
Thunder Bay NMS Exhibit	986
Monterey Bay National Marine Sanctuary	1,479
Gulf of Farallones	2,466
Down East Inst. For Marine Research (ME)	986
Conservation Institute	4,931
Center for Aquatic Resource Management	5,917
Pascagoula River Basin Estuarine Center	1,479
Oxford Cooperative Lab	1,480
Gulf Coast Marine Aquaculture Laboratory	5,917
TOTAL NOS	221,765
NATIONAL MARINE FISHERIES SERVICE	
Marine Mammals	18,883
Hawaiian Sea Turtles	4,468
Western Alaska Salmon Stock Identification	197
Atlantic Cooperative Management	1,874
Fish Information Networks	1,149
Chesapeake Bay	690
Other fisheries-related projects	17,061
Sustainable Habitat Management	6,904
Fisheries Habitat Restoration	11,162
Chesapeake Bay Studies	1,545
Cooperative Research:	9,862
Other projects:	11,095
AK Composite Research and Development Program	18,969
Acquatic Resources	4,437
Pascagoula Lab	1,945
Center for Ecosystem Base Fish Management	4,931
Barrow Arctic Research Center	5,917
Fisheries Finance Program Account (Discretionary & Mandatory)	8,571
TOTAL NMFS	129,660
NOAA RESEARCH	
Laboratories & Joint Institutes	3,001

NOAA (\$ in Thousands)	FY 2006 Terminations
East Tennessee Ozone Study	296
Climate System Research Center	740
Univ of AL Huntsville Climate Research	986
Abrupt Climate Change Research	247
Drought Research Study	986
Coastal Vulnerability to Climate Change	1,480
Center for Urban Environmental Research	986
Advanced Study Institute for Environmental Prediction	1,479
NOAA Joint Institute for Northern Gulf of Mexico	2,959
Tornado Severe Storm Research / Phased Array Radar	2,957
New England Air Quality Study	2,959
NE Center for Atmospheric Science and Policy	1,480
Inst. for Study of Earth, Oceans & Space (Air-Map - CCRC)	4,931
Risk Reduction in Water Forecasts (MSU)	1,972
Remote Sensing Research (ISU/BCAL)	493
STORM (U. of N. Iowa)	641
Central CA Air Quality Study	370
Great Plains Center for Atmosphere and Human Health	986
Urbanet	5,917
High Altitude Air Study	346
Reducing Wind-Induced Damages from Storms	986
Targeted Wind Sensing	1,972
Coordinate NASA-NOAA Severe Storm R&D	1,972
Laboratories & Cooperative Institutes	2,957
National Sea Grant Law Center	896
National Institute for Undersea Science and Technology	4,931
Exploration Autonomous Underwater Vehicle	494
Marine Aquaculture Program	2,959
Aquatic Ecosystems - Canaan Valley Institute	5,917
Atmospheric Dispersion Forecasting / Jackson State Univ.	1,480
Gulf of Maine Council	740
Lake Champlain Research Consortium	346
NISA/Ballast Water Demonstrations	2,959
NISA/Alaska	1,480
Invasive Milfoil	246
HI Micronesia Invasive Species Program	493
Cooperative Institute for New England Mari-culture and Fisheries	1,972
Pacific Tropical Ornamental Fish	493
Center for Aquaculture Development	986
West Alabama Shrimp Aquaculture Program	493
Urban Coastal Institute	493
Lake Champlain Emerging Threats	493
Center for the Environment	789
Bio-screening Technology for Imported Seafood	986
TOTAL NOAA RESEARCH	73,745
NATIONAL WEATHER SERVICE	

NOAA (\$ in Thousands)	FY 2006 Terminations
Tsunami Warning & Environmental Obs for AK (TWEAK)	1,972
Hurricane Mitigation Alliance (SUSF)	2,071
Susquehanna River Basin Flood System	1,972
Vermont Northeast Weather & Wind Data Integration	217
Strengthen U.S. Tsunami Warning Network	128
Coastal & Inland Hurricane Monitoring & Prediction Program	1,480
Coastal Weather Monitoring for Catastrophic Events	468
Western Kentucky Environmental Monitoring Network	1,479
National Data Bouy Center	1,740
Shenandoah Air Quality Forecasting	1,726
Sea Level Monitoring & Tide Guage Network	237
NOAA Weather Radio Transmitters - MS	197
NOAA Weather Radio Transmitters - AI	50
AWIPS	571
Radiosonde Network Replacement	1,972
NOAA Center for Weather & Climate Prediction (NCEP)	30
TOTAL NWS	16,310
NESDIS	
Research to Ops/NOAA-NASA Partnerships	3,945
Global Wind Demo	2,667
Remote Sensing Cetner	1,972
Regional Climate Centers	2,959
NOAA's Data Centers & Information Services - KY	5,647
NOAA's Data Centers & Information Services - MD	3,930
NOAA's Data Centers & Information Services - WV	5,537
International Pacific Research Ctr (U of H)	1,972
Integrated Environmeantal Applications & Information Center	2,959
National Climatic Data Center - GOES Date Archive Project	2,466
National Climatic Data Center - Prototyping Data Grids	296
EOS & Advanced Polar Data Processing, Distribution& A Archiving Systems	1,960
CIP - single point of failure	37
Comprehensive Large Array Data Stewardship Sys (CLASS)	2,335
TOTAL NESDIS	38,682
PROGRAM SUPPORT / OMAO	
NOAA Education Program / Education Initiative	6,283
Hollings Scholarship	3,962
JASON Education and Outreach	1,466
BWET Hawaii	1,480
BWET California	1,972
BWET Chesapeake Bay	3,452
Hawaii Humpback Education Program	1,726
Gulf Coast Exploreum	986
Chesapeake Bay Interpretive Buoys	493
Narragansett Bay Marine Education (Save the Bay)	493
Data Acquisition	7,936

NOAA (\$ in Thousands)	FY 2006 Terminations
OE and NOAA Corps Pay Differential	1,479
Fleet Planning and Maintenance	2,071
NOAA ICOSS Observing Systems (NOS)	8,876
Convert NOAA Weather Bouys with NDBC (NOS)	3,945
Pacific Region Center	19,725
Small Waterplane Area Twin Hull Vessel (SWATH) & Mission Equipment	3,945
Upgrades : NANCY FOSTER /OSCAR DYSON/HI'IALAKAI/FAIRWEATHER	24
Fisheries Survey Vessel Replacement #2	2,466
Fisheries Survey Vessel #3	5,425
Fisheries Survey Vessel #4	11,539
AUV Sensors	2,959
TOTAL PROGRAM SUPPORT / OMAO	92,703

NOAA (\$ in Thousands)	FY 2006 One-time Projects Terminations
NATIONAL MARINE FISHERIES SERVICE	
Pascagoula Lab	13,200
TOTAL NMFS	13,200
NOAA RESEARCH	
Competitive Research Program	328
Laboratories & Cooperative Institutes	1,344
TOTAL NOAA RESEARCH	1,672
NATIONAL WEATHER SERVICE	
Local Warnings and Forecasts	8,870
WFO Maintenance	990
Central Forecast Guidance	2,000
ASOS	3,900
NEXRAD	1,000
All Hazard National Warning Network: NOAA Weather Radio	2,000
Strengthen U.S. Tsunami Warning Network	3,800
TOTAL NWS	22,560
NESDIS	
Coastal Data Development	868
TOTAL NESDIS	868
PROGRAM SUPPORT / OMAO	
Data Acquisition	250
Aircraft Services	2,550
Aircraft Equipment and Technology Refreshment	4,500
Third WP-3D Navigation	9,000
TOTAL PROGRAM SUPPORT	16,300

NOAA MARINE AND AVIATION OPERATIONS

Planned Fiscal Year 2007 Operating Days of Ship Support for NOAA Programs

Operating days are days that a ship is away from home port and engaged in a project including days in any port other than home port or days transiting to or from a project. Days at sea are days that a ship is at sea engaged in a project or days transiting to or from a project.

The private sector and University National Oceanographic Laboratory System (UNOLS) ships generally track operating days rather than days at sea, so all days in the table below, including in-house ships days, are operating days. Operating days are typically 10 to 15 percent higher than days at sea.

	<u>Operating Days</u>	<u>Dollars in Millions</u>
<u>In-house</u>	4,650	\$ 94.1 Operations \$ 16.1 Fleet Planning & Maint.
	-----	-----
<i>In-house subtotal</i>	4,650	\$ 110.2
<u>Outsourced</u>		
Private Sector	2,600	\$15.0
UNOLS	560	\$13.5
Time Charter	220	\$11.8
Contracts for hydro- graphic data		\$21.0
	-----	-----
<i>Outsourced subtotal</i>	3,380	\$61.3
	=====	=====
Grand Total	8,030	\$171.5

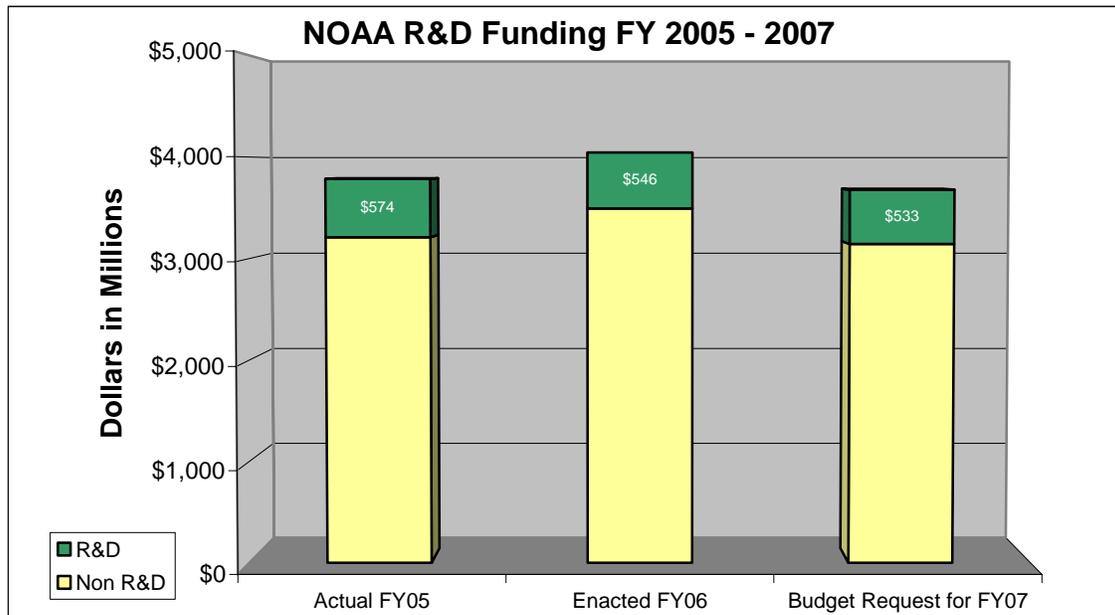
NOAA Research and Development

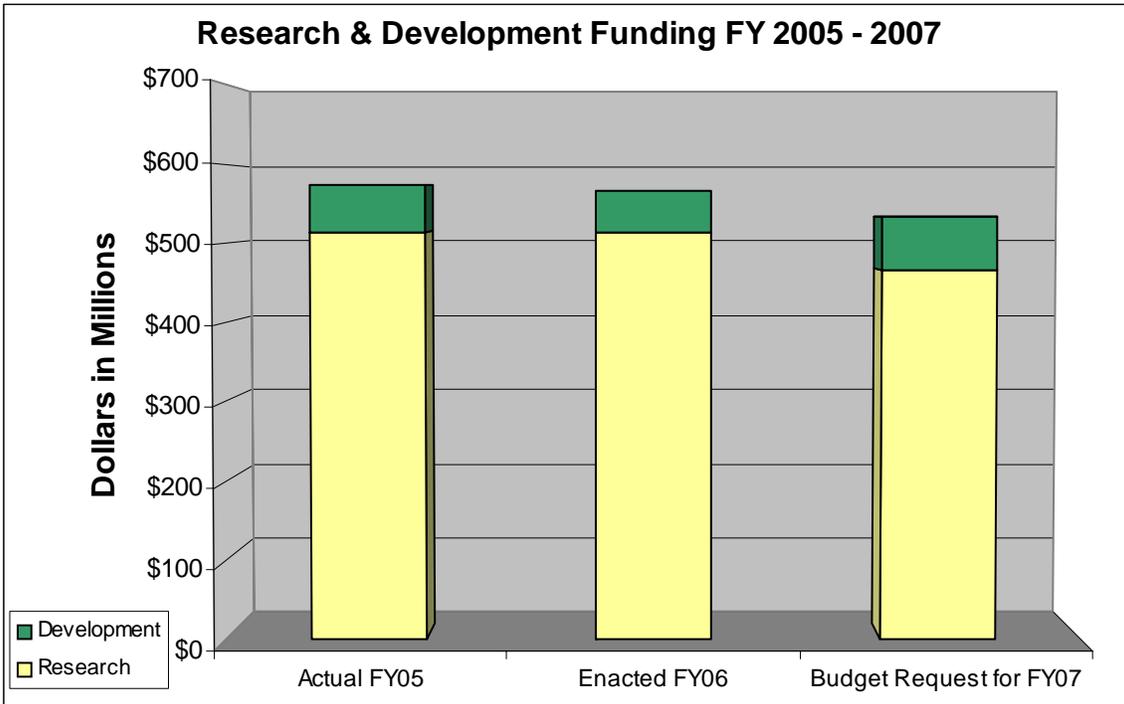
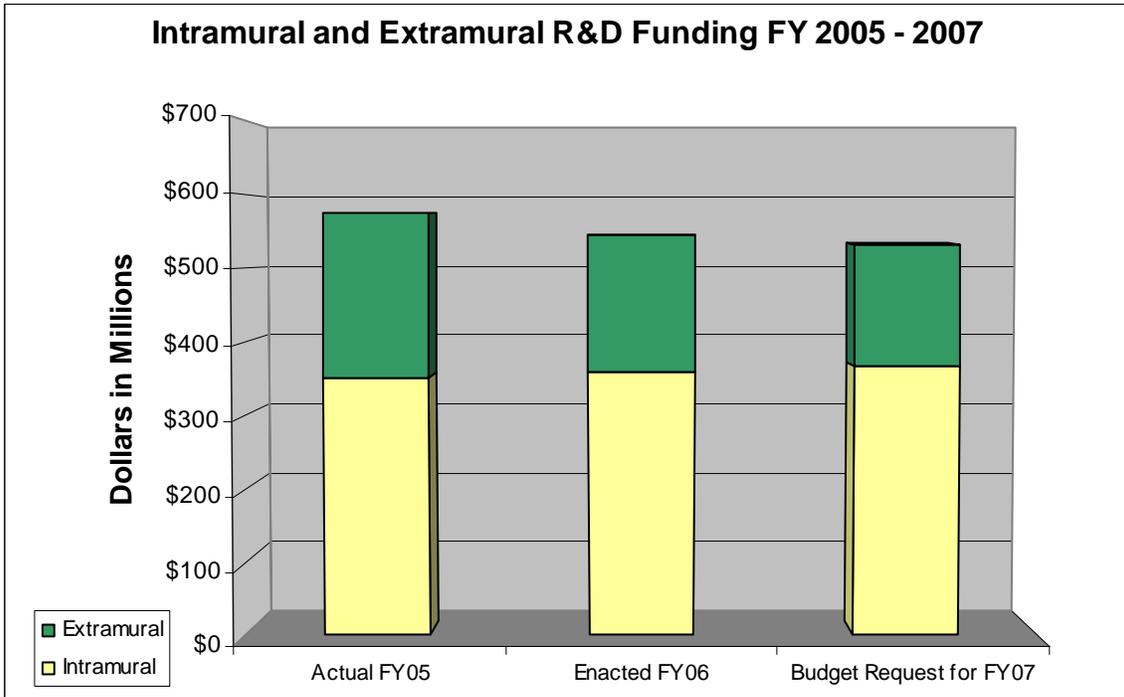
Research and development (R&D) play vital roles in enabling NOAA to accomplish its science-based missions to predict changes in Earth's environment and to conserve and manage coastal and marine resources.

The following charts display the scope and nature of R&D at NOAA. Key elements include the following for FY 2007:

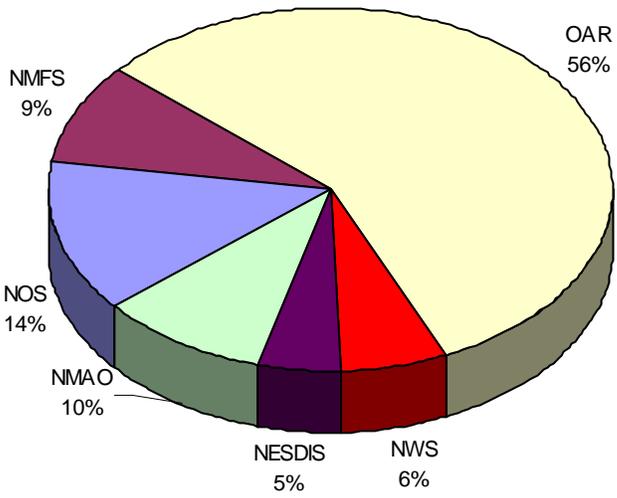
- R&D represents 13.9% of total NOAA funding in FY 2007.
- 69% of NOAA's R&D is intramural and 31% extramural.
- NOAA's R&D budget is 87% research and 13% development.
- NOAA's Office of Oceanic and Atmospheric Research (OAR, also known as "NOAA Research") manages 56% of NOAA's R&D. The remainder is distributed among NOAA's operational units.
- Major R&D efforts are supported by three of NOAA's mission goals: Ecosystems (37%), Climate (30%), and Weather & Water (19%). 0% is focused on Commerce & Transportation. The 14% conducted for "Mission Support" primarily provides research vessels for research.

NOAA Research and Development





FY 2007 R&D Budget by Line Office



FY 2007 R&D Budget by Goal

