

# APPENDIX VIII

## OCEAN SCIENCES DIVISION

	FY 1993	Estimated FY 1994	FY 1995
Ocean Sciences Division	\$177.7M	\$188.9M	\$193.4M
Ocean Sciences Research	92.5M	100.0M	102.9M
Ocean Drilling Program	36.0M	38.7M	39.9M
Oceanographic Facilities	49.2M	50.2 M	50.6M

## OCEANOGRAPHIC FACILITIES DETAIL

### Operations

Ship Operations	29.4 M*	32.7 M*	35.2 M*
ALVIN, Aircraft, etc.	1.4 M	2.2 M	2.4 M
MarineTechs	4.2 M	4.2 M	4.2 M
	\$35.0 M	\$39.1 M	\$41.8 M

\*Plus \$1.6 M from ODP (1993 and 1994), \$1.8 M (1995)

### Infrastructure

Science Instruments	1.3 M	2.5 M	2.3 M
Shipboard Equipment	2.1 M	2.1 M	1.4 M
Ships, Upgrades	7.2 M	2.6 M	0.4 M
UNOLS Misc.	0.5 M	0.5 M	0.6 M
	\$11.1 M	\$7.7 M	\$4.7 M

### Centers and Reserves

AMS	1.0 M	1.2 M	1.4 M
Cross Directorate/Reserves	2.1 M	2.2 M	2.7 M
	\$3.1 M	\$3.4M	\$4.2 M

(Apr. 1995)

## NSF FY 1996 BUDGET REQUEST

### OCEAN SCIENCES

Request is \$205.6 Million

Increase of \$12.2 Million or 6.3%

	FY 1994	FY 1995	FY 1996
OCEAN SCIENCES RESEARCH	\$100.0M	\$102.9M	\$110.3M
OCEANOGRAPHIC CENTERS & FACILITIES	50.3M	50.6M	54.2M
OCEAN DRILLING PROGRAM	38.7M	39.9M	41.1M

\$189.0M \$193.4M \$205.6M

**Major Research Initiatives**

GLOBAL CHANGE PROGRAMS	\$53.7M	\$57.7M	\$59.8M
BIOTECHNOLOGY	4.0M	3.6M	3.8M
HIGH PERFORMANCE COMPUTING	0.4M	0.8M	1.0M
ENVIRONMENTAL RESEARCH	7.3M	7.7M	8.3M
SMETE (EHR)	2.1M	2.1M	2.2M
	\$67.5M	\$71.9M	\$75.1M
OTHER RESEARCH ACTIVITIES	\$121.5M	\$121.4M	\$130.5M

(April 1995)

**POSSIBLE UNOLS FLEET ALIGNMENT - 1997 - 2002**

**ATLANTIC/GULF REGION**

- NORTHEAST

KNORR	GENERAL PURPOSE	GLOBAL	WOODS HOLE
ENDEAVOR	GENERAL PURPOSE	NORTH ATLANTIC	RHODE ISLAND
EWING	MCS/MGG/GP	GLOBAL	LAMONT
ATLANTIS	SUBMERSIBLE	GLOBAL	WOODS HOLE

- MID-ATLANTIC

CAPE HATTERAS	GENERAL PURPOSE	NORTH ATLANTIC	DUKE ET AL
CAPE HENLOPEN	GENERAL PURPOSE	CHESAPEAKE BAY	DELWARE

- BERMUDA

WEATHERBIRD II	GENERAL PURPOSE	BERMUDA	BERMUDA
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- SOUTHEAST/GULF

SEWARD JOHNSON	GP/SUBMERSIBLE	N. ATLANTIC	HBOI/MIAMI
EDWIN LINK	SUBMERSIBLE	CARIBBEAN GULF	(BOTH SHIPS)

- LOCAL SHIPS

BLUE FIN	GENERAL PURPOSE	S.E. LOCAL WATERS	GEORGIA
SEADIVER	SUBMERSIBLE	FLORIDA WATERS	HBOI
CALANUS	GENERAL PURPOSE	FLORIDA LOCAL	MIAMI
PELICAN	GENERAL PURPOSE	LOUISIANA GULF	LUMCON
LONGHORN	GENERAL PURPOSE	TEXAS GULF	U.TEXAS

**PACIFIC REGION**

- ALASKA

OCEANUS	GENERAL PURPOSE	N.E PACIFIC, BEARING	ALASKA
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- NORTHWEST

THOMPSON GENERAL PURPOSE GLOBAL U. WASHINGTON  
 WECOMA GENERAL PURPOSE NORTHERN PACIFIC OREGON

- CENTRAL CALIF.

PT. SUR GENERAL PURPOSE N.E. PACIFIC MOSS LANDING

- HAWAII

MELVILLE GENERAL PURPOSE GLOBAL, WEST PAC. HAWAII

- SOUTHERN CALIF

REVILLE	GENERAL PURPOSE	GLOBAL	SCRIPPS
NEW HORIZON	GENERAL PURPOSE	NORTH PACIFIC	SCRIPPS
SPROUL	GENERAL PURPOSE	N.E. PACIFIC	SCRIPPS

- LOCAL SHIPS

BARNES GENERAL PURPOSE PUGET SOUND U. WASHINGTON

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## **REQUIRED UNOLS FLEET CHANGES 1997-2002**

### **A MODEST PROPOSAL**

#### **RETIRE**

ISELIN (1996)  
 GYRE  
 MOANA WAVE  
 ALPHA HELIX  
 ATLANTIS II (1996)

#### **MOVE**

OCEANUS  
 MELVILLE

### **FLEET PROFILE**

#### **ATLANTIC/GULF**

3 LARGE SHIPS  
 3 INTERMEDIATES  
 3 REGIONAL  
 5 LOCAL

#### **PACIFIC**

3 LARGE SHIPS  
 3 INTERMEDIATES  
 2 REGIONAL  
 1 LOCAL

### **MAJOR PLAYERS**

#### **NSF**

- OCEANUS, ALPHA HELIX, ATLANTIS II, ISELIN

#### **ONR**

- KNORR, ATLANTIS, MELVILLE, MOANA WAVE

### **INSTITUTIONS**

- WHOI, SCRIPPS, HAWAII, ALASKA, MIAMI, TEXAS A&M

## **FLEET COSTS - 1997**

- ESTIMATED AT \$50.5 MILLION
- UNCHANGED UNOLS FLEET - \$60.0 MILLION

1995 ESTIMATED FUNDING - \$48.3 MILLION

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