

### ***3.0 PROGRAM FUNDING FROM ALL SOURCES***

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#### **Funding History**

Level federal funding during the 1980s and early 1990s for the National Sea Grant College Program has clearly impacted Florida Sea Grant core programs. While some increased funding has been received in recent years, the level of effort or “buying power” of core program funds is still woefully short of early 1980 levels. When inflation is taken into account, the peak buying power year was 1980. Significant core program increases began in 1997, but buying power for 2006 was still 42 percent below the peak year. With 2006 core program funds at \$2,013K, and adding funds awarded to Florida due to national competitions of \$663K, the overall 2006 buying power of the program was still 24 percent below the peak year, as noted in Table 1.

The number of full time equivalents (FTEs) budgeted for the core program from 1986 through 1988 ranged from 55 to 58. This is a level much lower than that of the late 1970’s and early 1980’s. For the last decade, FTEs supported with core program funds has ranged from 39 to 46 as shown in Table 2.

While FTEs have declined, the cost of operating research, education and Extension programs per FTE has increased. In terms of current dollars, the cost per FTE has increased from a low of \$13,000 in 1976 to a high of about \$49,000. Clearly, level or slowly growing budgets and a higher cost per FTE have driven downward the number of FTEs the program is able to purchase. On a real dollar basis (accounting for inflation), the cost per FTE has risen from a low of \$27,000 in 1984 to \$45,950 in 2003 as shown in Figure 1.

Florida Sea Grant historically matched federal funds on an approximate 1:1 basis. During 1989 and 1990 this ratio was reduced and since 1991, our core program proposal has been matched on a 2:1 basis as required by federal law. University policy now mandates that matching funds may only be included at the rate prescribed by the granting agency.

Florida Sea Grant’s recent funding history indicates an increased reliance on funding other than federal Sea Grant dollars. A comparative analysis of all Sea Grant funding sources for 2004-2005 to 2006-2007 indicates that the federal NOAA Sea Grant core program funds represented from 36 to 43 percent of total Florida Sea Grant program effort as shown in Table 3. Florida Sea Grant’s use of federal Sea Grant program funds has consistently met national guidelines that at least 50 percent be used to fund research as shown in Table 4. A listing of all funding sources for the Florida Sea Grant College Program funds for the last three years is shown in Table 5, 6 and 7.

Sea Grant federal funds plus all extramural grants generated 6.2 times the amount of state appropriations received through the Education and General budget of the University of Florida for 2006-07. Including faculty salaries dedicated to the program by UF/IFAS, 2.5 grant dollars were generated per state dollar of 2006-07 appropriations as shown in Table 8.

Table 1. Federal Sea Grant funding (\$1,000's) for Florida Sea Grant College Program, 1972-2006

Current				Real <sup>a</sup>		Percent Below Peak Year	
Year	Core Funding	National Competitions	Total	Core	Total	Core	Total
1972	378			1253		58	
1973	600			1884		37	
1974	740			2132		29	
1975	900			2368		21	
1976	975			2425		19	
1977	1125			2635		12	
1978	1260			2757		8	
1979	1450			2929		3	
1980	1627			3007		0	
1981	1575			2665		11	
1982	1575			2520		17	
1983	1428			2190		27	
1984	1458			2157		28	
1985	1458			2092		31	
1986	1506 <sup>b</sup>			2115		30	
1987	1506			2057		32	
1988	1386 <sup>c</sup>			1831		39	
1989	1489			1894		37	
1990	1530			1875		38	
1991	1652			1937		35	
1992	1652			1912		37	
1993	1500	86	1586	1697	1794	44	41
1994	1500	127	1827	1661	2023	45	33
1995	1620	626	2246	1759	2439	42	20
1996	1620	455	2075	1727	2212	43	27
1997	1880	194	2074	1970	2174	35	28
1998	1780	322	2102	1846	2178	40	28
1999	1846	444	2290	1886	2339	38	23
2000	1907	1125	3032	1907	3032	37	0
2001	1965	463	2428	1919	2371	36	22
2002	1990	535	2525	1912	2426	37	20
2003	1990	504	2494	1872	2353	34	22
2004	1990	874	2864	1824	2647	39	13
2005	1990	893	2883	1775	2570	41	15
2006 <sup>e</sup>	2013	663	2676	1734	2306	42	24

<sup>a</sup> Deflated using Gross Domestic Product Price deflator, 2000=100.

<sup>b</sup> Includes MAREP add-on and GRH reduction.

<sup>c</sup> After NOAA overall budget cut of seven percent from base of \$1,489K.

<sup>d</sup> Beginning in 1993, total Sea Grant federal funding includes various initiatives and other funds provided through special national competitions.

Table 2. Individuals and full-time equivalents (FTEs) supported by federal Sea Grant core program funding 1972-2006.

Year	Research Number				Education		Advisory		Total	
	Faculty	Students	Total	FTE	Number	FTE	Number	FTE	Number	FTE
1972	14	25	47	13	0	0	6	1	59	15
1973	29	39	93	32	0	0	10	8	103	40
1974	32	34	17	36	0	0	29	10	136	46
1975	44	55	151	49	8	<sup>b</sup>	4	13	204	62
1976	38	50	109	40	17	12	26	22	152	74
1977	32	54	108	40	24	14	74	27	206	81
1978	28	37	115	42	23	4	59	26	197	77
1979	34	41	99	49	31	2	115	32	245	83
1980	46	38	128	48	7	1	111	28	246	77
1981	53	39	153	46	4	1	120	31	277	78
1982	39	35	91	44	12	3	108	34	211	81
1983	29	30	75	33	1	1	102	32	178	65
1984	48	44	108	39	5	2	102	29	216	70
1985	48	48	118	37	2	<sup>b</sup>	89	26	209	64
1986	39	35	83	30	0	0	90	26	173	55
1987	44	23	86	30	4	4	79	27	181	58
1988	53	30	96	31	0	0	79	27	181	57
1989	48	24	87	28	9	2	37	15	133	44
1990	45	23	81	28	7	1	36	15	133	44
1991	44	26	85	26	0	0	29	22	114	48
1992	43	25	80	25	0	0	29	22	109	47
1993	29	20	61	19	0	0	29	22	90	41
1994	25	14	48	18	0	0	32	22	80	40
1995	38	16	54	19	4	6	22	22	96	45
1996	39	14	53	19	0	0	22	22	97	45
1997	54	24	101	24	0	0	23	19	124	43
1998	46	21	70	20	0	0	34	24	104	44
1999	44	21	68	21	0	0	33	23	101	44
2000	55	24	82	20	0	0	29	19	111	39
2001	65	31	99	26	0	0	28	19	127	45
2002	39	30	71	20	0	0	34	25	105	45
2003	36	27	64	20	0	0	34	25	98	44
2004	37	21	58	15	0	0	35	26	93	41
2005	37	22	59	16	0	0	35	26	94	42
2006	47	21	68	21	0	0	26	25	106	46

Table 3. Florida Sea Grant funding effort by source for fiscal years (1 July - 30 June)  
2004-2005 to 2006-2007

Source	2004-05		2005-06		2006-07	
	\$000	%	\$000	%	\$000	%
Federal NOAA Sea Grant Core Program	1,990	36.3	2,013	37.7	2,013	43.0
Federal NOAA Sea Grant National Competitions	893	16.3	663	12.4	334	7.2
Faculty Match (Core + National) <sup>a</sup>	938	17.0	807	15.1	650	13.9
Other Federal Grants <sup>c</sup>	271	4.9	271	5.1	75	1.6
Non-federal Grants <sup>c</sup>	187	3.4	252	4.7	220	4.7
State Appropriations <sup>b</sup>	920	16.8	998	18.7	1,056	22.6
Florida Counties	236	4.3	282	5.3	264	5.7
Foundations/Endowments	48	0.9	51	1.0	62	1.3
Total Program Effort	5,483	100.0	5,337	100.0	4,674	100.0

<sup>a</sup> This includes all match except state university system appropriations used as match.

<sup>b</sup> This includes state appropriations to Florida Sea Grant via the Education and General budget of the University of Florida and via the UF/Institute of Food and Agricultural Sciences used as match in extension, communications and management.

<sup>c</sup> This includes only grants that were administered by the Florida Sea Grant College Program office. Sea Grant faculty also use their academic departments to administer grants. "New" grants in 2005 with Sea Grant faculty as principal investigator or co-principal investigator administered through academic departments were as follows: Jacoby (\$148K), Adams (\$7K) and Otwell and Adams (\$500K).

NR - Not reported prior to 2003-04. Became more significant in 2003-04.

Source calculated from data in Tables 5, 6 and 7.

Table 4. Percentage of Florida Sea Grant core and total sea grant federal funds used for research, extension, communications and management, 2003-04 to 2004-05.

Program Function	2004-05	2005-06	2006-07
	Core (%)		
Research	51.1	50.9	51.3
Extension	31.1	30.8	30.8
Communications	8.3	8.2	8.2
Management	9.5	10.1	9.7
TOTAL	100.0	100.0	100.0
	Total %		
Research	58.3	58.2	50.0
Extension	28.6	27.1	34.7
Communications	6.1	6.6	7.0
Management	7.0	8.1	8.3
TOTAL	100.0	100.0	100.0

Source: Calculated from data in Tables 5, 6 and 7.

Table 5. Sea Grant Funding July 1, 2004 to June 30, 2005.

<b>FEDERAL SEA GRANT CORE:</b>	<b>Federal</b>	<b>Match</b>
Research	\$1,016,000	\$471,442
Extension	620,000	310,000
Communications	165,000	87,500
Management	189,000	133,500
Other	0	0
<b>TOTAL SEA GRANT CORE</b>	<b>\$1,990,000</b>	<b>\$1,002,442</b>
<b>FEDERAL SEA GRANT NATL COMP:</b>		
SGEP-13FE	195,300	53,319
E/INDST-4 Industry Fellow	30,000	15,000
E/ST-30 Knauss Fellowship - J. Wilson	40,000	0
E/T-11	149,326	73,169
R/C-E-47	79,997	40,000
R/C-E-48	121,416	74,845
R.MI-12	100,000	121,828
E/ST-31 Knauss Fellow - K. Denit	40,000	0
E/ST-32 Knauss Fellow - C.M. Almeida	40,000	0
R/LR-A-42	69,800	50,000
R/C-E-49	27,084	19,156
<b>TOTAL FEDERAL SEA GRANT NATL COMP</b>	<b>\$892,923</b>	<b>\$447,317</b>
<b>OTHER FEDERAL GRANTS:</b>		
SEA-COOS University of North Carolina	\$157,186	\$ 0
E/T-13 NA16RG2258 Aquatic Nuisance	39,432	19,716
E/T-9 NOAA So. Fla. Marine Ecosystem	\$50,000	\$ 0
E/T-15 Case Studies	24,785	0
<b>TOTAL OTHER FEDERAL GRANTS</b>	<b>\$271,403</b>	<b>\$19,716</b>
<b>TOTAL FEDERAL GRANTS</b>	<b>3,154,326</b>	<b>1,469,475</b>
<b>MATCH COVERED BY STATE APPROPRIATION</b>		<b>(531,000)</b>
<b>NET MATCH</b>		<b>938,475</b>
<b>NON-FEDERAL GRANTS:</b>		
EX-FDEP-1 Clean Vessel	\$12,500	\$ 0
EX-WCIND-3 Sarasota Boating	70,052	0
EX-SAPW-1 Guide to Boating	24,000	0
EX-FWCC-1 Mapping Tampa	80,000	0
<b>TOTAL NON-FEDERAL GRANTS</b>	<b>\$186,552</b>	<b>\$ 0</b>
<b>TOTAL GRANT FUNDING</b>	<b>\$3,340,878</b>	<b>\$938,475</b>
<b>FOUNDATIONS/ENDOWMENT REVENUES</b>	<b>\$48,343</b>	<b>\$ 0</b>
<b>COUNTIES</b>	<b>236,262</b>	<b>0</b>
<b>STATE APPROPRIATIONS:</b>		
E&G 07/01/03 - 06/30/04	\$396,106	\$ 0
IFAS 07/01/03 - 06/30/04	523,791	0
<b>TOTAL SEA GRANT FUNDING</b>	<b>\$4,545,380</b>	<b>\$938,475</b>

**Table 6. Sea Grant Funding July 1, 2005 to June 30, 2006**

<b>FEDERAL SEA GRANT CORE:</b>	<b>FEDERAL</b>	<b>MATCH</b>
Research	1,024,800	533,483
Extension	620,000	310,003
Communications	165,000	85,000
Management	203,000	101,500
Other	0	0
<b>TOTAL SEA GRANT CORE</b>	<b>2,012,800</b>	<b>1,029,986</b>
<b>FEDERAL SEA GRANT NATL COMP:</b>		
<b>E/INDST-4</b> INDUSTRY FELLOW Y-2	30,000	15,000
E/ST-33                        KNAUSS FELLOWSHIP-C. Barrientos	41,500	0
R/MI-12	55,000	0
R/LR-A-42                    Y-2	70,000	36,542
R/LR-Q-29	100,000	50,000
R/LR-Q-28A&B	100,000	50,528
M/PD-11 Supplemental	30,700	15,350
E/T-16	25,000	0
E/T-17	15,000	5,000
SGEP-13-FE-A	105,319	53,319
SGEP-13-FE-C	89,981	47,474
<b>TOTAL FEDERAL SEA GRANT NATL COMP</b>	<b>662,500</b>	<b>273,213</b>
<b>OTHER FEDERAL GRANTS:</b>		
<b>SEA-COOS Y-4</b> University of North Carolina	<b>145,640</b>	<b>0</b>
<b>E/T-18</b> University of Connecticut	<b>14,689</b>	<b>0</b>
<b>COSEE-GOM-2</b> University of So. Mississippi	<b>110,231</b>	<b>0</b>
<b>TOTAL OTHER FEDERAL GRANTS</b>	<b>270,560</b>	<b>0</b>
<b>TOTAL FEDERAL GRANTS</b>	<b>2,945,860</b>	<b>1,303,199</b>
<b>MATCH COVERED BY STATE APPROPRIATIONS</b>		<b>(496,503)</b>
<b>NET MATCH</b>		<b>806,696</b>
<b>NON-FEDERAL GRANTS:</b>		
<b>EX-FCC-6</b> Boat Regs	<b>26,850</b>	<b>0</b>
<b>EX-FCC-7</b> Boating Regs.	<b>120,000</b>	<b>0</b>
<b>EX-FCC-8</b> Seasonal Boating Patterns	<b>80,000</b>	<b>0</b>
<b>EX-JID-1</b> Boater Ed Guide	<b>24,725</b>	<b>0</b>
<b>TOTAL NON-FEDERAL GRANTS</b>	<b>251,575</b>	<b>0</b>
<b>TOTAL GRANT FUNDING</b>	<b>3,197,435</b>	<b>806,696</b>
<b>FOUNDATIONS/ENDOWMENT REVENUES</b>	<b>51,145</b>	<b>0</b>
<b>COUNTIES</b>	<b>282,448</b>	<b>0</b>
<b>STATE APPROPRIATIONS:</b>		
<b>E&amp;G 07/01/05--06/30/06</b>	<b>412,686</b>	<b>0</b>
<b>IFAS 07/01/05--06/30/06</b>	<b>585,571</b>	<b>0</b>
<b>TOTAL SEA GRANT FUNDING</b>	<b>4,529,285</b>	<b>806,696</b>

**Table 7. Sea Grant Funding July 1, 2006 to June 30, 2007**

<b>FEDERAL SEA GRANT CORE:</b>	<b>FEDERAL</b>	<b>MATCH</b>
RESEARCH	1,032,800	534,983
EXTENSION	620,000	310,003
COMMUNICATIONS	165,000	85,000
MANAGEMENT	195,000	100,000
OTHER	0	0
<b>TOTAL SEA GRANT CORE</b>	<b>2,012,800</b>	<b>1,029,986</b>
<b>FEDERAL SEA GRANT NATL COMP:</b>		
E/ST-34      KNAUSS FELLOWSHIP      Halter	41,500	0
E/ST-35      KNAUSS FELLOWSHIP      Morris	41,500	0
E/ST-36      KNAUSS FELLOWSHIP      Uyeda	41,500	0
SGEP-13-FE-A      Fish Extension      Spranger	105,319	53,319
SGEP-13-FE-C      Fish Extension      Holland	89,981	46,091
RRP-SA-1      SA-Planning	11,560	5,780
RRP-GOM-1      GOM-Planning	3,000	2,601
<b>TOTAL FEDERAL SEA GRANT NATL COMP</b>	<b>334,360</b>	<b>107,791</b>
<b>OTHER FEDERAL GRANTS:</b>		
SEA-COOS Y-5      University of North Carolina	65,000	0
E/T-18      UCONN-Aquatic Nuisance	13,498	6,751
COSEE-GOM-2      Y2 University of So. Mississippi	0	0
<b>TOTAL OTHER FEDERAL GRANTS</b>	<b>78,498</b>	<b>6,751</b>
<b>TOTAL FEDERAL GRANTS</b>	<b>2,425,658</b>	<b>1,144,528</b>
<b>MATCH COVERED BY STATE APPROPRIATIONS</b>		<b>(495,003)</b>
<b>NET MATCH</b>		<b>649,525</b>
<b>NON-FEDERAL GRANTS:</b>		
EX-FCC-7      Boating Regs.	92,000	0
EX-FCC-8      Seasonal Boating Patterns	84,190	0
EX-JID-1      Boater Ed Guide	24,725	0
EX-FDEP-2      Reef Workshop-1	2,895	0
EX-FDEP-3      Reef Workshop-2	2,895	0
EX-MCG-1      Admin Support Project		
<b>TOTAL NON-FEDERAL GRANTS</b>	<b>206,705</b>	<b>0</b>
<b>TOTAL GRANT FUNDING</b>	<b>2,632,363</b>	<b>649,525</b>
<b>FOUNDATIONS/ENDOWMENT REVENUES</b>	<b>61,565</b>	<b>0</b>
<b>COUNTIES</b>	<b>264,273</b>	<b>0</b>
<b>STATE APPROPRIATIONS:</b>		
E&G 07/01/06--06/30/07	428,599	0
IFAS 07/01/06--06/30/07	627,207	0
<b>TOTAL SEA GRANT FUNDING</b>	<b>4,014,007</b>	<b>649,525</b>

Table 8. Florida Sea Grant total grants generated per dollar of state appropriations, 2006-07 program year.

	UF Appropriations Through Education and General Budget (\$428,599)	UF/IFAS Faculty Dedicated to Sea Grant (\$627,207)	Total (\$1,055,806)
Sea Grant Federal Funds (\$2,347,160)	5.5	3.7	2.2
All Other Extramural Grants (\$298,203)	.7	.5	.3
TOTAL (\$2,645,363)	6.2	4.2	2.5

Source: Calculated from Table 6.

Figure 1. A comparison of Florida Sea Grant core program FTEs and current and real funding per FTE, 1972-2006.

