

REGIONAL OBSERVING ACTIVITIES		2004 NOAA	2005 COCMP	2005 NOAA	2006 COCMP	2006 NOAA	2007 COCMP	2007 NOAA	2008 NOAA	totals
BIGHT-WIDE SAMPLING										
Maintain and operate auto-shore stations	UCSD - LARGIER	40,000								40,000
Maintain and operate auto-shore stations	UCSD - TERRILL			53,888		47,453		13,500		114,841
Conduct nearshore egg and larval surveys for in-shore CALCOFI stations - 2004 included bio-optical algorithm development with Mitchell	UCSD - GOERCKE	199,727		105,039		92,304			100,000	497,070
Santa Monica Bay Sampling from R/V Seaworld	UCLA - Stolzenbach	47,000								47,000
	Cal Poly SLO - MOLINE		30,785	76,667	25,350	59,400	25,940			218,142
	UCSB - WASHBURN		342,928		383,370		375,082			1,101,380
	USC - JONES		208,192		261,484		274,019			743,695
Install, maintain and operate HF RADAR - NOTE: UCSD group purchased equipment for all of Southern California. totaling \$3,095,830)	UCSD- TERRILL		3,387,924		552,885		565,227			4,506,036
Test and maintain two Long Range Radar systems for SCCOOS	UCSD- TERRILL	241,012		113,612		77,060		30,075		461,759
Bight-scale sections using an underway CTD	UCSB - WASHBURN		41,509		21,656		21,994			85,159
Seafloor surveys	UCSD - DRISCOLL/BABCOCK	18,577		52,999		46,539				118,115
Bight-scale monitoring using underwater gliders - COCMP now funds Monterey line	UCSD - DAVIS		197,167		100,957		162,308			460,432
Southern glider line	UCSD - RUDNICK			97,091		85,320		51,182		233,593
LOCAL OBSERVING ACTIVITIES										
MOORINGS										
Santa Barbara mooring	UCSB - CHANG/DICKEY	138,770		110,000		108,900				357,670
Santa Monica mooring	UCLA - MCWILLIAMS/STOLZENBACH/GRUBER	49,259		206,540		193,715		70,000		519,514
San Diego mooring - acoustic fish detection development	SIO - JAFFE	38,993								38,993
San Diego mooring	SIO - SEND	247,000		110,000		108,900				465,900
Coastal moorings for HB06	SIO - SEND		60,000		30,000					90,000
San Diego mooring	SIO - DEVER	126,750								126,750
DRIFTERS/SHORELINE/WAVES										
HB06 - waves and surf zone currents	UCSD - Guza / Fedderson		101,634		249,342		31,024			382,000
Modeling wave evolution and currents to nowcast surf-zone currents	UCSD - Guza/Fedderson	100,000	49,766	90,001	55,115	79,089	36,219	55,000		465,190
Northern and Central California wave modeling	UCSD - O'Reilly		82,387		84,796		82,291			249,474
REMUS deployment at special sites including HB06	Cal Poly SLO - MOLINE	100,088	8,400		105,514		0	30,000		244,002
Drifter validation exercise for HF radar	UCSB - OHLMANN	31,936	52,963	24,465	43,105	21,497	4,240	11,714		189,920
HARMFUL ALGAL BLOOMS										
	Cal Poly SLO- MOLINE								12,846	12,846
	UCSB - BRZEZINSKI								41,570	41,570
	USC - JONES/CARON								57,502	57,502
	UCSD - VENRICK					21,969				21,969
	UCLA - SHIPE								60,177	60,177
Conduct HAB Surveillance Shoreline Sampling	UCSD- MCGOWAN			26,810		27,560			40,000	94,370
Implement in-shore glider track	USC- JONES					91,835		35,000		126,835
DATA MANAGEMENT, SYNTHESIS, MODELING, and FORECASTING										
DATA MANAGEMENT										
COCMP Product Development	UCSD - TERRILL		117,601		117,612		106,369			341,582
Manage www.sccoos.org, data management	UCSD - TERRILL							76,211		76,211
Information technology for HF radars and data management	UCSD - VERNON/ORCUTT	63,300	447,321	56,149	306,025	69,030	310,853			1,252,678
Data management	SCCWRP - WEISBERG	29,250		22,406						51,656
Observing System QA/QC Data management	UCSD - DAVIS	16,608		12,722		11,179				40,509
JPL Data Management for ROMS	JPL - CHAO	39,250		161,820		142,200		10,000		353,270
MODELING AND DATA SYNTHESIS										
Develop O&M of MMS/WRF real-time operation atmospheric model at 1-km	UCLA - McWilliams and HALL		38,251		21,763		21,686		24,904	106,604
Maintain and operate ROMS at 1-km over the southern California Bight	JPL - CHAO	108,000							75,000	183,000
(Service fee to RAYTHEON FOR computer cluster)	JPL - CHAO								15,000	15,000
Subcontract to JPL/Raytheon for COCMP, operate and develop ROMS	JPL -CHAO		320,809		321,455		321,408			963,672

Model research and development with focus on nearshore	UCLA - MCWILLIAMS	79,000	188,515		139,527		139,557		546,599	
Develop retrospective bight-scale hindcast, and assimilation technique development	UCLA - MCWILLIAMS JPL - CHAO						60,000		60,000	
Covariances and objective mapping of HF radar and direct observations	UCSD - CORNUELLE		67,463		69,581		72,214		209,258	
Climatology Development										
1. Assemble and develop coastal climatology of ocean state variables										
2. Develop climate relevant indices for ecosystem assessment	UCSD - CORNUELLE							70,000	70,000	
Develop and run a finer resolution ROMS at 200-m resolution, San Diego coast; deliver the output to SCCOOS	UCSD - CORNUELLE	74,750		57,258		50,317		44,000	226,325	
REMOTE SENSING										
Remote sensing	JPL	64,000							64,000	
Maintenance of near real-time interface to Po.DAAC	JPL: - HOLT							13,000	13,000	
Maintenance of remote sensing license for OCM 300m ocean color product	UCSD - TERRILL			3,983		5,197			9,180	
High resolution chlorophyll and turbidity product	UCSD - MITCHELL	16,200		6,201		5,866			28,267	
PROGRAM MANAGEMENT										
COCMP Program direct management costs (reduced overhead from State) - reporting, publications, outreach, etc. Includes \$8K for overhead for subcontracts to Cal Poly and USC.	UCSD - TERRILL		91,954		82,706		85,323		259,983	
REGIONAL ASSOCIATION DEVELOPMENT										
NOAA Regional Association development	UCSD - TERRILL	85,000		140,626		311,865		310,409	1,201,685	
Economic Analysis Studies	UCLA - PENDLETON	0		0		57,866		58,746	116,612	
California Coastal Coalition	STEVE ACETI	15,000		10,000		15,015		15,015	55,030	
Bateman Productions (watchthewater.org)	MICHAEL BATEMAN			0		14,970		14,970	29,940	
EDUCATION AND PUBLIC OUTREACH										
Web-based education and outreach	UCSD - PEACH	37,801		9,933		9,884			57,618	
Ocean Institute activities	OCEAN INSTITUTE - HELLING	41,946		43,696		50,180			135,822	
TOTALS		2,049,217	5,835,569	1,591,906	2,972,243	1,805,110	2,635,754	898,822	850,784	18,639,405