

A. SALARIES AND WAGES

# of People	Effort in Man-Months		Cost		
	SG	Cost-Share	Salary SG	Salary C-S	
1. SENIOR PERSONNEL					
a. (Co) Principal Investigator					
1	1.0	1.0	6,500	6,500	Co-Project leader J. Doe will contribute 2 months of time (SG \$6,500, Match \$6,500) to oversee all aspects of project coordination and oversight, including finalizing all data analyses, reports and manuscripts. A cost-of-living increase of 4% is included in the salary.
1		1.0		6,500	Co-PL Dr. Jones will contribute one month (\$6,500 match) for his role as project advisor, data interpretation and reporting.
2	1.0	3.0	6,500	13,000	Subtotal 1a
b. Associates (Faculty or Staff) (Include name, salary or cost-of-living increases and activities in year 1					
1	4.0	2.0	14,000	7,000	L. Terry will contribute four months (\$3,500/month; \$14,000 SG; \$7,000 match) as the project manager. She will oversee all day-to-day aspects of the experimental work including managing the technicians, setting up trials executing trials collecting data, conducting preliminary analyses, drafting reports, etc.
1	4.0	2.0	14,000	7,000	Subtotal 1b.

2. OTHER PERSONNEL
a. Professionals: Professionals are persons who are non-faculty and non-staff associated with the project.

b. Research Associates
 Research associates are professional persons participating in the project who are part-time employees, persons retained solely for the project, or staff members of participating organizations. (Consultants should be listed under "other costs" because fringe benefits or some elements of indirect costs may not be computed on their compensation.)

1	2.3	3			A total of 5 months of research associates time (2.3 Sea Grant \$6,000 +2.7 match \$7,000) is required to complete Year 1 of the proposed study. Sampling including comp time, preparation and Tucker trawl sampling.
1	2.3	2.7	0	0	

c. Research Asst/Grad Students
 Research associates/graduate students are part- or full-time students who hold at least a bachelor's degree or equivalent, are enrolled in a program leading to an advanced or professional degree, and are integral to the project as research assistants.

0	0.0	0.0	0	0	
---	-----	-----	---	---	--

d. Prof School Students
 Professional school students are students enrolled in medical, legal, and other professional schools.

0	0.0	0.0	0	0	
---	-----	-----	---	---	--

e. Pre-Bachelor Students
 Pre-baccalaureate students may be employed as aides or helpers on a Sea Grant project as part-time employees or on an hourly basis. [Prebaccalaureates are undergraduate students enrolled either part- or full-time in a course leading to a degree, including an Associate Degree in the case of students in two-year programs or a certificate in the case of some vocational students.]

0	0.0	0.0	0	0	
---	-----	-----	---	---	--

f. Secretarial
 Secretarial-clerical is a category for office personnel. Only under extraordinary circumstance can clerical personnel be funded by Sea Grant. Clerical assistance is considered part of the University overhead.

g. Technical
 Technical is a category for technicians, shop personnel, and other persons with special skills.

1	1.0	2.0	3,500	3,500	Salary (\$3,500/mo; SG \$3,500; Match \$3,500) is requested for a laboratory assistant who will assist with all aspects of laboratory and field work including field studies and experiments, organization of sampling logistics, processing and analysis samples, and training and supervision of undergraduate volunteers.
3	5.6	7.4	3500	3500	

h. Other
 Personnel not fitting any of the above categories.

0	0.0	0.0	0	0	
---	-----	-----	---	---	--

B. FRINGE BENEFITS
 Fringe benefits are those customarily paid by the grantee institution, following its usual practices in the payment of such benefits. Rates can change annually, please verify your institution's guidelines at the time of proposal submission and include formulas in the budget justification.
 Fringe benefits are calculated at a rate of 25% for Senior Personnel (\$3,500 SG; \$1,750 Match) and 33% for Other Personnel.

6	10.6	12.4	24,000	23,500	Subtotal Salaries and Benefits
---	------	------	--------	--------	---------------------------------------

C. PERMANENT EQUIPMENT
 This category should include only major equipment (more than \$5,000 per unit) directly related to the conduct of the proposed project and NOT supportive items of office or laboratory furniture, typewriters, etc., which are considered to be the obligation of the institution. For each item of equipment requested, a short justification is required as well as a lease vs purchase comparison. If there are questions regarding the definition of major equipment, the policy of the participant's institution can be used as a guideline.

			5,001		A delayed coincidence counter to supplement those we already own will be purchased by the University of California as cost sharing to allow processing of a large number of samples. This counter (\$5,001), which is not available for lease, is required to enumerate radium activities in water samples. Currently, we own two working counters that allow the simultaneous measurement of radium in two samples. Our proposed work entails collecting hundreds of samples over 2-3 days. Because two of the radium isotopes we will be enumerating have half lives on the order of days, we must analyze the samples quickly and efficiently before the radium activities decay to levels at which they are undetectable. Therefore, we need to purchase more counters in order to run the number of samples proposed.
			0	5,001	Subtotal Equipment

D. Expendable Supplies and Equipment		Provide a detailed list of the types of supplies to be purchased. It is important that the funds requested be thoroughly justified
	800	Bottles for sample collection.
	8,025	Funds are requested for field and laboratory supplies necessary to conduct radium analyses (\$3,000), chemical analyses (\$3,000), microbial analyses (\$2,025),
	1,000	Replacement tucker trawl (\$500), Calibration of flow meters (\$500)
	300	Miscellaneous supplies
	6,250	Cost-share provided by the Southern California Coastal Water Research Project to perform radium analyses (\$2,000), chemical analyses (\$1,895), and microbial analyses (\$2,355).
	10,125	6,250 Subtotal Supplies

For each trip requested list the destination, estimated mileage, method of travel, cost per mile and duration, number of travelers, and per diem rate for meals and lodging. Include the relevance of the travel to the successful completion of the project. If trip details are unknown show the basis for the proposed cost. Domestic travel includes travel to all U.S. Possessions or Trusts, including Puerto Rico, the Virgin Islands, the Trust Territories, Guam, and Samoa. At this time Canada and Mexico are considered domestic travel, however a change in this policy is expected this year. For the purpose of the budget, please request trips to Mexico and Canada in the foreign travel category. All foreign travel must comply with the Fly America Act.

E. Travel: Domestic		ALL foreign travel not expressly detailed by date, place and expense requires prior approval by the National Sea Grant Office via CA Sea Grant.
	2,000	Funds are requested (SG:\$700 airfare ea + \$200 hotel ea + \$75 meals ea + \$25 misc. x 2 people) to support travel for the PI and trainee to present at the Society for Good Works.
	1,621	We request mileage (7 trips x 317 mi./trip @ .505/mi = \$1,121) and meals (20 days @ \$25/day) for travel to/from field sites
	3,621	0 Subtotal Domestic Travel

Travel: Foreign		Please see instructions above.
	7,000	Funds are requested to travel to Korea for field work. (airfare \$2,000/ea + Per diem @ \$30/day x 25 days + Lodging @ \$30/day x 25 days for both Project Leaders). A U.S. air carrier will be used on all segments of the trip.
	7,000	0 Subtotal Foreign Travel

F. PUBLICATION AND DOCUMENTATIONS		
	500	Funds are requested to offset journal page charges.

Under Other Costs, list items of cost by type of material or nature of expense. For each charge, include the number of units, cost per unit and total cost and the necessity for the successful completion of the project. Payments for subscriptions and memberships are not allowed. In addition, computer costs, equipment rental, maintenance costs and support services (e.g., project-related utilities such as phone, postage, photocopying, etc.) may only be included if they are clearly justified in the budget justification as being directly allocable to the project.

G. Other costs excluding Tuition/Remission		
	350	Project specific costs including telephone equipment, tolls, voice and data communication charges, photocopying, faxing, postage, visas, and subscriptions are requested. Supply and expenses that specifically benefit this project and are reasonable and necessary for the performance of this project.
	450	Small boat hire(\$25/hr x 18 hrs) is requested for required animal collection.
H. Tuition/Remission	9,000	F&A rate = 0%
I. Ship Time		Check with your institution on applicable F&A rates.

J. Total Direct Costs	54,246	34,751
K. INDIRECT COSTS		IDC applied.

Base:	45,246	34,751	23528	18071	Overhead is calculated applying the federally negotiated F&A on-campus rate of 52% to the total direct costs less tuition/remission.
Rate:	52%	52%			Type: <u>MTDC</u> (MTDC or SWB) On-Campus
			23,528	18,071	if-Campus
L. Subtotal Project Costs	77,774	52,822			

M. RESEARCH TRAINEE COSTS		Use \$19,800 for each trainee. Include how having the trainee will benefit the project as well as the benefit to the trainee. The traineeship is a fellowship award and should be treated as such.
		The Trainee will participate directly and significantly in this research project. Involvement will be in all phases of the project and will result in both material for PhD theses and will further trainee education. [Note: No overhead is charged on these funds per the Code of Federal Regulations, Title 15 (15CFR917). UC campuses use waiver 95R-062.]
Trainees: 1	19,800	
N. Total Costs	97,574	52,822

Total Project Costs (SG & C-S)	150,396
C-S to SG percentage (50% or higher)	54.1%