

BUDGET JUSTIFICATION

AN IMPORTANT STUDY OF THE GREAT BAY ESTUARY PI SMITH

2016

A. Salaries

1. Senior Personnel. (\$9,599 Federal/\$24,304 Match)

One month of summer salary is requested for Principal Investigator Smith (plus 3.5 months AY of match). PI Smith will be responsible for project coordination and oversight; report and manuscript preparation; outreach activities; and training graduate students in sediment sampling, erosion experiments and analytical techniques. One week of summer salary is requested for PI Jones. PI Jones is responsible for deployment of the two-axis rotating sonar and the acoustic doppler velocimeters, outreach activities, manuscript preparation and training a graduate student in data analysis and field techniques.

2. Students (\$34,938 Federal)

We are requesting funds to support the education of two graduate students. Both graduate students will receive one academic semester and full summer support each year. The remainder of their tuition and salary will be supported with teaching assistantships within the earth sciences and mechanical engineering departments.

B. Fringe Benefits (\$2,491 Federal/\$10,356 Match)

Partial fringe was calculated at 8.4% through 06/30/2016 then 8.6% thereafter.

D. Expendable Supplies and Equipment (\$10,005 Federal)

\$1360 for syringe filters for water sampling consumables – sampling vials, trace metal grade acids, filtering membranes, reagents for nutrient; \$3425 for sulfide analysis; \$3800 for field deployment supplies and expenses; \$1220 for metal analysis (ICP-MS analysis @ \$610/day); and \$200 for sediment sieves for outreach module.

E. Travel (\$1,000 Federal)

We request funds for travel and mobilization to each sampling site, including van and small boat rental in Year 1.

Facilities and Administration (\$26,115 Federal/\$15,597 Match)

Facilities and Administration is charged at a rate of 47.5% of MTDC based on the rate schedule for externally-funded research and sponsored programs' DHHS Agreement dated March 14, 2014.

2017

A. Salaries

1. Senior Personnel. (\$9,935 Federal/\$23,358 Match)

One month of summer salary is requested for Principal Investigator Smith (plus 3.25 months AY of match). PI Smith will be responsible for project coordination and oversight; report and manuscript preparation; outreach activities; and training graduate students in sediment sampling, erosion experiments and analytical techniques. One week of summer salary is requested for PI Jones. PI Jones is responsible for deployment of the two-axis rotating sonar and the acoustic doppler velocimeters, outreach activities, manuscript preparation and training a graduate student in data analysis and field techniques.

2. Students (\$35,988 Federal)

We are requesting funds to support the education of two graduate students. Both graduate students will receive one academic semester and full summer support each year. The remainder of their tuition and salary will be supported with teaching assistantships within the earth sciences and mechanical engineering departments.

B. Fringe Benefits (\$2,594 Federal/\$10,021 Match)

Partial fringe was calculated at 8.6%.

D. Expendable Supplies and Equipment (\$7,393 Federal)

\$5490 for 9 days of ICP-MS analysis @ \$610/day Carbon and Nutrient Analysis; and \$1903 for CHN analysis.

E. Travel (\$3,000 Federal)

The travel funds cover travel to a professional national meeting for two students in Year 2.

Facilities and Administration (\$27,409 Federal/\$15,020 Match)

Facilities and Administration is charged at a rate of 47.5% of MTDC based on the rate schedule for externally-funded research and sponsored programs' DHHS Agreement dated March 14, 2014.