



CALIFORNIA STATE UNIVERSITY

Monterey Bay

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PROPOSAL INFORMATION

Water Management District
Attn: Larry Hampson
5 Harris Court, Building G
P.O. Box 85
Monterey, CA 93942-0085
831-658-5601
831-644-9558 (fax)

OCT 3, 2008
MPWMD

Sponsor

Los Padres Reservoir Bathymetry – Fall 2008

Proposal Title

\$16,495 10/20/08-2/28/09
Amount Term

PRINCIPAL INVESTIGATOR

Dr. Douglas Smith
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Principal Investigator

Division of Science & Environmental Policy/College of Science, Media Arts and Technology
Department/College

INSTITUTIONAL INFORMATION

Send Notice of Award To:
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FOUNDATION OF CALIFORNIA UNIVERSITY, MONTEREY BAY ENDORSEMENT

Cynthia E. Lopez
Director, Grants & Contracts
Email: cindy_lopez@csumb.edu

10/2/08
Date

SCOPE OF WORK

Foundation of CSUMB on behalf of CSUMB proposes to provide Monterey Peninsula Water Management District (MPWMD) with a report and electronic files detailing the bathymetry of the Los Padres Reservoir (Carmel River watershed) as it exists in Fall 2008. We list the deliverables, approximate budget, and contingencies below.

Project Period

October 20, 2008 – February 28, 2009

Deliverables

The deliverables will be a brief report with:

1. background for the project,
2. methods of data collection and analysis,
3. general error analysis
4. calculations of sub-surface reservoir volume
5. cursory comparison with prior estimates of reservoir volume, and
6. electronic file with cleaned xyz data in UTM NAD83 NAVD88 (absolute vertical control and will ultimately depend upon the availability of a vertical benchmark located near the reservoir)

Budget

Bathymetric work and report cost estimate: \$16,495.

Personnel (wages + benefits): \$12,128

Travel: \$624

Other: \$121

Ship Time: \$1,470

F&A 15%: \$2,152

Assumptions for this estimate include:

1. approximately 50 acres of surface water,
2. depths not in great excess of 50 feet,
3. approximately 3 days boat time using high-quality bathymetric equipment and survey-grade GPS (base and rover),
4. single point vertical precision of 0.5 ft or less,
5. standard post-cruise data reduction,
6. FCSUMB will not collect terrestrial data,
7. FCSUMB will incorporate terrestrial data MPWMD provides, and
8. 15% Facilities & Administrative (F&A) rate.