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# Sample Form: Wetland Monitoring Pilot Project: project

This proposal is for the [Science Program 2004 solicitation](#) as prepared by John Alpha

## instructions

Information provided on this form will automatically support subsequent forms to be completed as part of the Science PSP submission process. Please be mindful of what information you enter and how it may be represented in the Personnel, Task and Budget forms. Please provide this information before continuing to those forms.

**proposal title** **Sample Proposal: Wetland Monitoring Pilot Project**

**institutions** ('Wetland Institute', 'Delta University')

*List each institution involved, one per line.*

**proposal document**

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**project duration** **27 months**

Is the start date a determining factor to the successful outcome of the proposed effort?

- No.
- Yes. Anticipated start date of this effort: **2006-01-01**

Select all of the following study topics which apply to this proposal.

- life cycle models and population biology of key species
- environmental influences on key species and ecosystems
- relative stresses on key fish species
- direct and indirect effects of diversions on at-risk species
- processes controlling Delta water quality
- implications of future change on regional hydrology, water operations, and environmental processes
- water management models for prediction, optimization, and strategic assessments
- assessment and monitoring
  - salmonid-related projects
  - Delta smelt-related projects

Select as many keywords as necessary to describe this proposal (minimum of 3).

- adaptive management**
- **aquatic plants**
- **benthic invertebrates**

**- biological indicators**

**X birds**

- neotropical migratory birds
- shorebirds
- upland birds

**X wading birds**

**X waterfowl**

**- climate**

- climate change
- precipitation
- sea level rise
- snowmelt

**- contaminants / toxicants / pollutants**

- contaminants and toxicity of unknown origin
- emerging contaminants
- mercury
- nutrients and oxygen depleting substances
- organic carbon and disinfection byproduct precursors
- persistent organic contaminants
- pesticides
- salinity
- sediment and turbidity
- selenium
- trace metals

**- database management**

**- economics**

**- engineering**

- civil
- environmental
- hydraulic

**- environmental education**

**- environmental impact analysis**

**- environmental laws and regulations**

**- environmental risk assessment**

**- fish biology**

- bass and other centrarchids
- delta smelt
- longfin smelt
- other species
- salmon and steelhead
- splittail
- striped bass
- sturgeon

**- fish management and facilities**

- hatcheries
- ladders and passage
- screens

**- forestry**

**- genetics**

**- geochemistry**

**- geographic information systems (GIS)**

**- geology**

**- geomorphology**

**- groundwater**

**X habitat**

- benthos
- channels and sloughs
- flooded islands
- floodplains and bypasses
- oceanic
- reservoirs
- riparian
- rivers and streams
- shallow water
- upland habitat

- vernal pools
- water column
- X** wetlands, freshwater
- X** wetlands, seasonal
- X** wetlands, tidal
- **human health**
- **hydrodynamics**
- X** **hydrology**
- **insects**
- **invasive species / non-native species / exotic species**
- **land use management, planning, and zoning**
- **limnology**
- **mammals**
  - large
  - small
- **microbiology / bacteriology**
- **modeling**
  - conceptual
  - quantitative
- X** **monitoring**
- **natural resource management**
- **performance measures**
- **phytoplankton**
- X** **plants**
- **primary productivity**
- **reptiles**
- **restoration ecology**
- **riparian ecology**
- **sediment**
- **soil science**
- **statistics**
- **subsidence**
- **trophic dynamics and food webs**
- **water operations**
  - barriers
  - diversions / pumps / intakes / exports
  - gates
  - levees
  - reservoirs
- **water quality management**
  - ag runoff
  - mine waste assessment and remediation
  - remediation
  - temperature
  - urban runoff
  - water quality assessment and monitoring
- **water resource management**
- **water supply**
  - demand
  - environmental water account
  - water level
  - water storage
- **watershed management**
- **weed science**
- **wildlife**
  - ecology
  - management
  - wildlife-friendly agriculture
- **zooplankton**

Indicate whether your project area is local, regional, or system-wide. If it is local, provide a central ZIP Code. If it is regional, provide the central ZIP Code and choose the counties affected. If it is system-wide, describe the area using information such as water bodies, river miles, and road intersections.

- local	ZIP Code:
- regional	ZIP Code: counties:
<input checked="" type="checkbox"/> system-wide	<b>San Pablo Bay, Suisun Bay, Sacramento-San Joaquin River Delta</b>

Does your project fall on or adjacent to tribal lands?

**No.**

(Refer to [California Indian reservations](#) to locate tribal lands.)

If it does, list the tribal lands.

Has a proposal for this effort or a similar effort ever been submitted to CALFED for funding or to any other public agency for funding?

**No.**

If yes, complete the table below.

**status proposal title funding source amount comments**

Has the lead scientist or principal investigator of this effort ever submitted a proposal to CALFED for funding or to any other public agency for funding?

**Yes.**

If yes, provide the name of the project, when it was submitted, and to which agency and funding mechanism it was submitted. Also describe the outcome and any other pertinent details describing the proposal's current status.

**Wetland Restoration of Delta Islands, 1999, California Department of Water Resources, Prop. 13, the funding was received and the project is completed**

All applicants must identify all sources of funding other than the funds requested through this solicitation to support the effort outlined in their proposal. Applicants must include the status of these commitments (tentative, approved, received), the source, and any cost-sharing requirements. Successful proposals that demonstrate multiple sources of funding must have the commitment of the non-Science Program PSP related funding within 30 days of notification of approval of Science Program PSP funds. If an applicant fails to secure the non-Science Program PSP funds identified in the proposal, and as a result has insufficient funds to complete the project, CBDA retains the option to amend or terminate the award. The California Bay-Delta Authority reserves the right to audit grantees.

**status proposal title funding source funding source period of commitment requirements and comments**

Are you specifically seeking non-federal cost-share funds for this proposal?

**No.**

In addition to the general funds available, are you targeting additional funds set aside specifically for collaborative proposals?

**Yes.**

List people you feel are qualified to act as scientific reviewers for this proposal and are not associated with CALFED.

full name	organization	telephone	e-mail	expertise
John Dough, Jr., Ph.D.	University of West Carolina	999-898-8888	jdough@wcarolina.edu	
Peter Petersen, Ph.D.	University of Carquinas	889-999-9998	ppeterson@carquinasu.edu	
Finn Finney, Ph.D.	University of East Dakota	998-898-8888	ffinney@eastdakota.edu	
Gina Aguabonita	USGS	899-898-9999	gaguabonita@usgs.gov	

## executive summary

Provide a brief but complete summary description of the proposed project; its geographic location; project objective; approach to implement the proposal; hypotheses being tested; expected outcomes; and relationship to Science Program priorities. The Executive Summary should be a concise, informative, stand-alone description of the proposed project. *(This information will be made public on our website shortly after the closing date of this PSP.)*

### Sample Proposal: Wetlands Monitoring Pilot Project

The Wetlands Monitoring Pilot Project seeks to accomplish two goals on behalf of CALFED: (1) to evaluate the underlying management question, how are ecosystem restoration efforts throughout the region affecting ecosystem processes at different scales; and (2) through application of adaptive monitoring strategy concepts, prepare for subsequent longer-term monitoring. To achieve these two goals, Wetland Institute and Delta University have joined efforts to collect and analyze a variety of field-based physical data in restored and natural wetland sites in San Pablo Bay, Suisun Bay, and the Sacramento-San Joaquin River Delta. This monitoring work will form the first phase in a program that will also include monitoring of plants, birds, fish, and invertebrates. The project will specifically assist the Science Program with assessing the performance of CALFED restoration actions, and will help improve approaches for substantiating cause-and-effect relationships between multiple CALFED restoration and conservation actions and specific CALFED tidal wetland restoration goals (Priority Topic Area iii in the 2004 Science Program Proposal Solicitation).

### Part 1. Wetland Institute Component

Wetland Institute will be providing technical services for all three components of the CALFED Wetland Monitoring Pilot Project (WMPP): Physical Processes 100%, Lead Principal Investigator (100%), and Landscape Ecology (54%). Each of these three components is summarized below.

**Physical Processes.** Wetland Institute will collect and analyze field data at all six field sites over an approximately two-year period commencing after contract completion. Field data activities include inundation regimes, accretion rates, suspended sediment concentrations, salinity, geomorphic characteristics, and sediment and pore water chemistry. Data analysis activities include analyzing field data, preparing and presenting data results to Delta University, the collaborating project participant, and preparing a final report.

**Lead Principal Investigator.** Wetland Institute staff will serve as lead PI for this project, which will include a number of specific activities: (1) facilitate site selection; (2) take lead in obtaining site use permits; (3) facilitate completion of experimental designs; (4) facilitate completion of an integrated conceptual model; (5) organize and facilitate a technical forum; (6) facilitate preparation of one integrated technical report; (7) compile progress updates; and (8) coordinating with the other PIs.

**Landscape Ecology.** Wetland Institute will carry out a number of discrete components of the Landscape Ecology Team (LET) efforts, in collaboration with Delta University. Specific activities include: (1) contribute to and review work plans, management plans, progress updates, and semiannual reporting; (2) review data inventory and data gaps analyses prepared by Delta University; (3) obtain, rectify, and distribute new aerial imagery; (4) obtain and distribute stock aerial imagery; (5) review vegetation maps prepared by other LET participants; (6) prepare partial topographic maps, geomorphic attribute maps, inundation maps, and sampling locations maps for each site; (7) derive geomorphic metrics; (8) review vegetation and edge/ecotone metrics prepared by other LET participants; (9) review landscape-scale patch delineation methods, maps, metrics, and report prepared by other LET participants; (10) assist other LET participants in developing database of site metrics;

and (11) contribute to and review LET conceptual model, integration methods, site to landscape scale relationships, data presentations to other project members, and final integration report.

## Part 2. Delta University Component

**Landscape Ecology.** Delta University will carry out a number of discrete components of the Landscape Ecology Team (LET) efforts in collaboration with Wetland INstitute.

**Specific Delta University activities include:**

**(1) contribute to and review work plans, management plans, progress updates, and semiannual reporting; (2) review data inventory and data gaps analyses prepared by Wetland Institute; (3) review efforts to obtain, rectify, and distribute new aerial imagery by Wetland Institute; (4) review efforts to obtain and distribute stock aerial imagery by Wetland Institute; (5) create vegetation maps; (6) review partial topographic maps, geomorphic attribute maps, inundation maps, and sampling locations maps for each site prepared by Wetland Institute; (7) review geomorphic metrics derived by Wetland Institute; (8) derive vegetation and edge/ecotone metrics; (9) prepare landscape-scale patch delineation methods, maps, metrics, and reports; and (10) develop LET conceptual model, integration methods, site to landscape scale relationships, data presentations to other project members, and final integration report.**

Give additional comments, information, etc. here.

**This is a sample proposal, and not a real submittal**

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# Sample Form: Wetland Monitoring Pilot Project: applicant

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## instructions

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All information on this page is to be provided for the agency or institution to whom funds for this proposal would be awarded.

**applicant institution** **Wetland Institute**

*This list comes from the project form.*

**applicant\_institution type** **state agency**

<b>institution contact</b>	
Please provide information for the primary person responsible for oversight of grant operation, management, and reporting requirements.	
<b>salutation</b>	Dr.
<b>first name</b>	John
<b>last name</b>	Alpha
<b>street address</b>	515 Corbicula Court
<b>city</b>	Oakland
<b>state or province</b>	CA
<b>ZIP Code or mailing code</b>	94612
<b>telephone</b>	510-999-9999 <i>Include area code.</i>
<b>e-mail</b>	jalpha@wetlandinst.ca.gov

Additional information regarding prior applications submitted to CALFED by the applicant organization or agency and/or funds received from CALFED programs by applicant organization or agency may be required.

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## Sample Form: Wetland Monitoring Pilot Project: personnel

This proposal is for the [Science Program 2004 solicitation](#) as prepared by John Alpha

### instructions

Applicants must provide brief biographical sketches, titles, affiliations, and descriptions of roles, relevant to this effort, of the principal and supporting project participants by completing a Personnel Form. This includes the use of any consultants, subcontractors and/or vendors; provide information on this form for all such people.

Information provided on this form will automatically support subsequent forms to be completed as part of the Science PSP submission process. Please be mindful of what information you enter and how it may be represented in the Task and Budget forms.

Information regarding anticipated subcontractor services must be provided regardless if the specific service provider has been selected or not. If the specific subcontractor has not been identified or selected, please list TBD (to be determined) in the Full Name field and the anticipated service type in the Title field (example: Hydrology Expert).

Please provide this information before continuing to those forms.

### Alpha, John, Ph.D.

*This person is the **Lead Investigator**. Contact information for this person is required.*

<b>full name</b>	Alpha, John, Ph.D.	<i>example: Wright, Jeffrey R., PhD.</i>
<b>institution</b>	Wetland Institute	<i>This list comes from the project form.</i>
<b>title</b>	Director	<i>example: Dean of Engineering</i>
<b>position classification</b>	primary staff	
<b>responsibilities</b>	Lead Principal Investigator, Lead Wetland Scientist, project management, facilitation and integration of team research efforts, permitting assistance	

<b>qualifications</b>		<p>You have already uploaded a PDF file for this question. <a href="#">Review the file</a> to verify that appears correctly.</p>
<b>mailing address</b>	101 Carquinas Street	
<b>city</b>	Oakland	
<b>state</b>	CA	
<b>ZIP</b>	94612	
<b>business phone</b>	510-999-9999	
<b>mobile phone</b>	510-888-8888	
<b>e-mail</b>	jalpha@wetlandinst.ca.gov	

Describe other staff below. If you run out of spaces, submit your updates and return to this form.

## Delta, Jane

<b>full name</b>	Delta, Jane	<p>example: Wright, Jeffrey R., PhD.</p> <p>Leave blank if name not known.</p>
<b>institution</b>	Wetland Institute	This list comes from the project form.
<b>title</b>	Wetland Biologist	example: Dean of Engineering
<b>position classification</b>	secondary staff	
<b>responsibilities</b>	Field mapping, aerial photography interpretation, GIS analysis, report writing, editing	
<b>qualifications</b>		<p><b>This is only required for primary staff.</b></p> <p>Upload a <a href="#">PDF version</a> of this person's resume that is no more than five pages long. To upload a resume, use the "Browse" button to select the PDF file containing the resume.</p>

## Epsilon, John

<b>full name</b>	Epsilon, John	<p>example: Wright, Jeffrey R., PhD.</p> <p>Leave blank if name not known.</p>
<b>institution</b>	Wetland Institute	This list comes from the project form.
<b>title</b>	Restoration Specialist	example: Dean of Engineering

<b>position classification</b>	secondary staff	
<b>responsibilities</b>	Field mapping, aerial photography interpretation, GIS analysis	
<b>qualifications</b>		<p><b><i>This is only required for primary staff.</i></b></p> <p>Upload a <a href="#">PDF version</a> of this person's resume that is no more than five pages long. To upload a resume, use the "Browse" button to select the PDF file containing the resume.</p>

## Chi, John, PhD.

<b>full name</b>	Chi, John, PhD.	<p><i>example: Wright, Jeffrey R., PhD.</i></p> <p>Leave blank if name not known.</p>
<b>institution</b>	Wetland Institute	<i>This list comes from the project form.</i>
<b>title</b>	Senior Ecologist	<i>example: Dean of Engineering</i>
<b>position classification</b>	primary staff	
<b>responsibilities</b>	Manage field data collection, data analysis	
<b>qualifications</b>		<p><b><i>This is only required for primary staff.</i></b></p> <p>You have already uploaded a PDF file for this question. <a href="#">Review the file</a> to verify that appears correctly.</p>

## Beta, Jane, PhD.

<b>full name</b>	Beta, Jane, PhD.	<p><i>example: Wright, Jeffrey R., PhD.</i></p> <p>Leave blank if name not known.</p>
<b>institution</b>	Delta University	<i>This list comes from the project form.</i>
<b>title</b>	Assistant Professor	<i>example: Dean of Engineering</i>
<b>position classification</b>	primary staff	

<b>responsibilities</b>	Geospatial modeling and assessments. Oversight of GIS analysis staff	
<b>qualifications</b>		<p><b><i>This is only required for primary staff.</i></b></p> <p>You have already uploaded a PDF file for this question. <a href="#">Review the file</a> to verify that appears correctly.</p>

## Graduate Student

<b>full name</b>		<p>example: Wright, Jeffrey R., PhD.</p> <p>Leave blank if name not known.</p>
<b>institution</b>	Delta University	This list comes from the project form.
<b>title</b>	Graduate Student	example: Dean of Engineering
<b>position classification</b>	secondary staff	
<b>responsibilities</b>	GIS analysis, image analysis and processing, mapping, data management	
<b>qualifications</b>		<p><b><i>This is only required for primary staff.</i></b></p> <p>You have already uploaded a PDF file for this question. <a href="#">Review the file</a> to verify that appears correctly.</p>

## Zeta, Jane

<b>full name</b>	Zeta, Jane	<p>example: Wright, Jeffrey R., PhD.</p> <p>Leave blank if name not known.</p>
<b>institution</b>	Wetland Institute	This list comes from the project form.
<b>title</b>	Administrative assistant	example: Dean of Engineering
<b>position classification</b>	secondary staff	
<b>responsibilities</b>	Administrative duties, clerical support	

<b>qualifications</b>	<p><b><i>This is only required for primary staff.</i></b></p> <p><i>You have already uploaded a PDF file for this question. <a href="#">Review the file</a> to verify that appears correctly.</i></p>
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## Peer Reviewers

<b>full name</b>		<p><i>example: Wright, Jeffrey R., PhD.</i></p> <p><i>Leave blank if name not known.</i></p>
<b>institution</b>	Wetland Institute	<i>This list comes from the project form.</i>
<b>title</b>	Peer Reviewers	<i>example: Dean of Engineering</i>
<b>position classification</b>	subcontractor	
<b>responsibilities</b>	Three peer reviewers will review the field data collection methods and approach for the Physical Processes Team	
<b>qualifications</b>		<p><b><i>This is only required for primary staff.</i></b></p> <p><i>Upload a <a href="#">PDF version</a> of this person's resume that is no more than five pages long. To upload a resume, use the "Browse" button to select the PDF file containing the resume.</i></p>

## Surveyor

<b>full name</b>		<p><i>example: Wright, Jeffrey R., PhD.</i></p> <p><i>Leave blank if name not known.</i></p>
<b>institution</b>	Wetland Institute	<i>This list comes from the project form.</i>
<b>title</b>	Surveyor	<i>example: Dean of Engineering</i>
<b>position classification</b>	subcontractor	
<b>responsibilities</b>	Conduct marsh elevation surveys (Task 7.2)	

**qualifications**

**This is only required for primary staff.**

Upload a [PDF version](#) of this person's resume that is no more than five pages long. To upload a resume, use the "Browse" button to select the PDF file containing the resume.

## person #10

<b>full name</b>	example: Wright, Jeffrey R., PhD. Leave blank if name not known.
<b>institution</b>	This list comes from the project form.
<b>title</b>	example: Dean of Engineering
<b>position classification</b>	
<b>responsibilities</b>	
<b>qualifications</b>	<b>This is only required for primary staff.</b> Upload a <a href="#">PDF version</a> of this person's resume that is no more than five pages long. To upload a resume, use the "Browse" button to select the PDF file containing the resume.

## person #11

<b>full name</b>	example: Wright, Jeffrey R., PhD. Leave blank if name not known.
<b>institution</b>	This list comes from the project form.
<b>title</b>	example: Dean of Engineering
<b>position classification</b>	
<b>responsibilities</b>	
<b>qualifications</b>	<b>This is only required for primary staff.</b> Upload a <a href="#">PDF version</a> of this person's resume that is no more than five pages long. To upload a resume, use the "Browse" button to select the PDF file containing the resume.

## person #12

<b>full name</b>	example: Wright, Jeffrey R., PhD. Leave blank if name not known.
<b>institution</b>	This list comes from the project form.
<b>title</b>	example: Dean of Engineering
<b>position classification</b>	

<b>responsibilities</b>
-------------------------

<b>qualifications</b>
-----------------------

*This is only required for primary staff.*

*Upload a [PDF version](#) of this person's resume that is no more than five pages long. To upload a resume, use the "Browse" button to select the PDF file containing the resume.*

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# Sample Form: Wetland Monitoring Pilot Project: tasks

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## instructions

Utilize this Task Table to delineate the tasks identified in your project description. Each task and subtask must have a number, title, brief description of the task (detailed information should be provided in the project description), timeline, list of personnel or subcontractors providing services on each specific task, and list of anticipated deliverables (where appropriate). When creating subtasks, information must be provided in a way that avoids dual presentation of supporting tasks within the overall task (i.e. avoid double counting). Information provided in the Task Table will be used to support the Budget Form. Ensuring information regarding deliverables, personnel and costs associated with subtasks are only provided once is imperative for purposes of avoiding double counting of efforts within the Budget Form.

For proposals involving multiple institutions (including subcontractors), the table must clearly state which institutions are performing which tasks and subtasks.

task ID	task name	start month	end month	personnel involved	description	deliverables
1	Site selection, experimental design, and permitting	1	7	Alpha, John, Ph. D. Delta, Jane	Select sites, design experiments, and obtain permits, organize meetings and field visits	Site selection criteria memo, list of potential field sites, land use classification maps, land use classification, available land use data, site maps, air photos, site selection memo, site lead memo, permitting approach memo, site selection confirmation memo, permit application materials

2	Periodic technical forums to support project integration	15	21	Alpha, John, Ph. D. Delta, Jane	Prepare and facilitate 2 meetings with project staff to support project integration, prepare meeting summaries.	two meeting agendas and organizational packets, two meeting summaries
3	Year 1 Integrated Technical Report	13	27	Alpha, John, Ph. D. Delta, Jane Zeta, Jane	Prepare administrative draft, draft and final technical report, facilitate review among teams, respond to CBDA questions and comments	Year 1 Integrated Technical Report: admin draft 1, admin draft 2, CBDA draft, admin final 1, CBDA final
4	General coordination and monthly progress updates	1	27	Alpha, John, Ph. D. Delta, Jane Epsilon, John Zeta, Jane	Contact project PIs and obtain monthly summaries of progress, combine individual summaries to obtain an integrated project update, daily coordination of project activities	Monthly integrated progress updates
5	Tidal water supply	10	27	Delta, Jane Epsilon, John Chi, John, PhD.	Monitor water levels, suspended sediment concentrations, and salinity for inlet channels, monitor marsh plain water levels, describe and tabulate inundation frequencies at monitoring sites	Time series inundation data, summary inundation frequency statistics
6	Accretion rates	9	27	Delta, Jane Epsilon, John Chi, John, PhD.	Monitor sediment elevation, analyze sediment elevation tables	Accretion rate tables
7.1	Coordination with Landscape Ecology Team	9	27	Alpha, John, Ph. D. Delta, Jane Chi, John, PhD.	Coordinate with LET to generate site maps and metrics	Technical memorandum with field topographic and general observation data
7.2	Topographic survey and ground control for aerials	9	27	Delta, Jane Epsilon, John Chi, John, PhD. *Surveyor	Conduct topographic surveys, provide ground control for aerial photography	Georeferenced field topographic tabular data

8	Sediment and pore water chemistry	10	27	Delta, Jane Epsilon, John Chi, John, PhD.	Monitor sediment chemistry and pore water salinity	Data tables of laboratory and field measurements
9	Administrative functions	1	27	Delta, Jane Chi, John, PhD. Zeta, Jane *Peer Reviewers	Support site selection, develop final work plan, develop PPT integrated conceptual model components, project management activities, write monthly progress reports, coordinate team activities	Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports
10	Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports	1	27	Delta, Jane Epsilon, John Chi, John, PhD. Zeta, Jane	Technical forums and final report	Participate in technical forums and report writing
11.1	Delta University component of project initiation, management and general reporting	1	27	Beta, Jane, PhD. *Graduate Student	Initiate and coordinate project including telephone calls, meetings, e-mails and other activities, and prepare work plan, management plan, and progress reports	"LET project work plan, LET project management plan, monthly brief progress updates, semi-annual report of activities "
11.2	Wetland Institute component of project initiation, management and general reporting	1	27	Delta, Jane Epsilon, John Chi, John, PhD.	Contribute to initiation and coordination of project, and preparation of work plan, management plan, and progress reports	"Contribution to and review of LET project work plan, contribution to and review of LET project management plan, contribution to monthly brief progress updates, contribution to and review of semi-annual report of activities "

12.1	Delta University component of data inventory and gap identification	1	18	Beta, Jane, PhD. *Graduate Student	Identify data gaps and develop methods to fill them, prepare data inventory spreadsheet and data gap report	First, second and final drafts of data inventory spreadsheet for existing spatial data resources, first and final draft reports of gaps in spatial data
12.2	Wetland Institute component of data inventory and gap identification	1	18	Delta, Jane Chi, John, PhD.	Review data inventory spreadsheet and data gap report	Reviews of Task 12.1 deliverables
13.1	Delta University component of spatial data collection and analysis using a site-scale approach	1	27	Beta, Jane, PhD. *Graduate Student	Obtain digital imagery, develop site maps, and develop site-scale spatial metrics, develop vegetation metrics and edge/ecotone metrics	Report of collected imagery, imagery hard copies, rectified digital imagery, vegetation maps, partial topographic maps, geomorphic attributes maps, inundation maps, sampling locations maps, report of geomorphic metrics, report of vegetation metrics, report of edge/ecotone metrics
13.2	Wetland Institute component of spatial data collection and analysis using a site-scale approach	1	27	Delta, Jane Epsilon, John Chi, John, PhD.	Develop site maps, prepare the geomorphic metrics report and review the vegetation metrics and edge/ecotone metrics	Contributions to Task 13.1 deliverables, review of Task 13.1 deliverables
14.1	Delta University component of spatial data collection and analysis using a landscape-scale approach	1	21	Beta, Jane, PhD. *Graduate Student	Identify wetland patches, calculate and summarize spatial metrics at patch, class and landscape level	"Report of patch delineation method, maps of wetland patches, digital versions of wetland patches, draft and final reports detailing metrics, database of sites with associated metrics, final report summarizing temporal and spatial variation in marsh patches "

14.2	Wetland Institute component of spatial data collection and analysis using a landscape-scale approach	1	21	Delta, Jane Chi, John, PhD.	Review maps and reports on landscape-scale spatial metrics	Contributions to Task 14.1 deliverables, review of Task 14.1 deliverables
15.1	Delta University component of collaborative integrative analysis	1	27	Beta, Jane, PhD. *Graduate Student	Develop conceptual approach and methods for integrating PPT and LET findings, integrate monitoring efforts, extrapolate from site to region, facilitate periodic technical forums	LET component of integrated conceptual model, report analyzing relationships among site-scale monitoring data and site- and landscape-scale spatial metrics, draft and final Integrative Group Report, data presentation material packet
15.2	Wetland Institute component of collaborative integrative analysis	1	27	Delta, Jane Chi, John, PhD.	Contribute to Task 15.1 activities	Contributions to Task 15.1 deliverables, review of Task 15.1 deliverables

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# Sample Form: Wetland Monitoring Pilot Project: budget

This proposal is for the [Science Program 2004 solicitation](#) as prepared by John Alpha

## instructions

All applicants must complete a budget for each task and subtask. The Budget Form uses data entered in the Task Form, thus tasks should be entered before starting this form. Failure to complete a Budget Form for each task and/or subtask will result in removal of the application from consideration for funding.

CBDA retains the right to request additional information pertaining to the items, rates, and justification of the information presented in the Budget Form(s).

Supporting details on how costs were derived for each line item must be included in the justification section for each item. The cost detail for each item should include the individual cost calculations associated with each line item to provide the basis for determining the total amount for each budget category.

Following are guidelines for completing the justification section of this form:

### Labor (Salary & Wages)

Ensure each employee and associated classification is correctly identified for each task and subtask. This information will automatically be provided once the Staff Form has been completed. Provide estimated hours and hourly rate of compensation for each position proposed in the project.

### Employee Benefits

Benefits, calculated as a percentage of salaries, are contributions made by the applicant for sick leave, retirement, insurance, etc. Provide the overall benefit rate and specify benefits included in this rate for each employee classification proposed in the project.

### Travel

Travel includes the cost of transportation, subsistence, and other associated costs incurred by personnel during the term of the project. Provide purpose and estimated costs for all travel. Reoccurring travel costs for a particular task or subtask may be combined into one entry. The number of trips and cost for each occurrence must be clearly represented in the justification section for reoccurring travel items of this nature.

Any reimbursement for necessary travel and per diem shall be at rates specified by the California Department of Personnel Administration for similar employees ([www.dpa.ca.gov/jobinfo/statetravel.shtml](http://www.dpa.ca.gov/jobinfo/statetravel.shtml)).

### Equipment

Equipment is classified as any item of \$5,000 or more and has an expected life of three years or more. Equipment purchased in whole or in part with these grant funds must be itemized. List each piece of equipment and provide a brief description and justification for each.

## Supplies

Provide a basic description and cost for expendable research supplies. Costs associated with GIS services, air photos, reports, etc. must be listed separately and have a clear justification associated with each entry. Postage, copying, phone, fax and other basic operational costs associated with each task and subtask may be combined unless the cost associated with one particular service is unusually excessive.

## Subcontractor Services

Subcontractor services (Professional and Consultant services) include the total costs for any services needed by the applicant to complete the project tasks. Ensure the correct organization is entered in the Personnel Form so that it appropriately appears on the Budget Form. The applicant must provide all associated costs of all subcontractors (i.e. outside service providers) when completing this form. Applicants must be able to demonstrate that all subcontractors were selected according to an applicant's institutional requirements for the selection of subcontractors (competitive selection or sole source justification).

CBDA retains the right to request that a subcontractor provide cost estimates in writing prior to distribution of grant funds.

CBDA retains the right to request consultant, subcontractor, and/or outside service provider cost estimates in writing prior to distribution of grant funds.

## Indirect Costs (Overhead)

Indirect costs are overhead expenses incurred by the applicant organization as a result of the project but are not easily identifiable with a specific project. The indirect cost rate consists of a reasonable percentage of all costs to run the agency or organization while completing the project. List the cost and items associated with indirect costs. (These items may include general office expenses such as rent, office equipment, administrative staff, operational costs, etc. Generally these items are represented by the applicant through a predetermined percentage or surcharge separate from other specific costs of items necessary to complete a specific task or subtask.)

If indirect cost rates are different for State and Federal funds, please identify each rate and the specific items included in the calculation for that rate.

<b>task 1, Site selection, experimental design, and permitting: labor</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	220 hrs x \$100 (2006)	22000
<b>Delta, Jane</b>	270 hrs x \$70 (2006)	18900
<b>task 1, Site selection, experimental design, and permitting: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	15% of salary	3300
<b>Delta, Jane</b>	15% of salary	2835
<b>task 1, Site selection, experimental design, and permitting: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>mileage</b>	1 trip to 10 field sites at 82 mi average roundtrip @ \$0.34/mi	279
<b>task 1, Site selection, experimental design, and permitting: supplies and expendables</b>	<b>justification</b>	<b>amount</b>

<b>reproduction</b>	<b>1,000 copies @ \$0.10/each</b>	<b>100</b>
<b>postage/delivery</b>	<b>6 FedEx deliveries @ \$25 each</b>	<b>150</b>
<b>other</b>	<b>Boat: Zodiac 340S with 15hp Mercury outboard</b>	<b>2900</b>
<b>task 1, Site selection, experimental design, and permitting: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 1, Site selection, experimental design, and permitting: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 1, Site selection, experimental design, and permitting: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 1, Site selection, experimental design, and permitting: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 1 total</b>	<b>\$50,464</b>
<b>task 2, Periodic technical forums to support project integration: labor</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	<b>40 hrs x \$105 (2007)</b>	<b>4200</b>
<b>Delta, Jane</b>	<b>70 hrs x \$75 (2007)</b>	<b>5250</b>
<b>task 2, Periodic technical forums to support project integration: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	<b>15% of salary</b>	<b>630</b>
<b>Delta, Jane</b>	<b>15% of salary</b>	<b>788</b>
<b>task 2, Periodic technical forums to support project integration: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 2, Periodic technical forums to support project integration: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>reproduction</b>	<b>2,500 copies @ \$0.10/each</b>	<b>250</b>
<b>postage/delivery</b>	<b>6 FedEx deliveries @ \$25 each</b>	<b>150</b>
<b>task 2, Periodic technical forums to support project integration: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 2, Periodic technical forums to support project integration: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 2, Periodic technical forums to support project integration: other direct</b>	<b>justification</b>	<b>amount</b>

<b>task 2, Periodic technical forums to support project integration: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 2 total</b>	\$11,268
<b>task 3, Year 1 Integrated Technical Report: labor</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	80 hrs x \$105 (2007) + 40 hrs x \$110 (2008)	12800
<b>Delta, Jane</b>	80 hrs x \$75 (2007) + 40 hrs x \$80 (2008)	9200
<b>Zeta, Jane</b>	20 hrs x \$ 50 (2007) + 10 hrs x \$ 55 (2008)	1550
<b>task 3, Year 1 Integrated Technical Report: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	15% of salary	1920
<b>Delta, Jane</b>	15% of salary	1380
<b>Zeta, Jane</b>	15% of salary	233
<b>task 3, Year 1 Integrated Technical Report: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 3, Year 1 Integrated Technical Report: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 3, Year 1 Integrated Technical Report: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 3, Year 1 Integrated Technical Report: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 3, Year 1 Integrated Technical Report: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 3, Year 1 Integrated Technical Report: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 3 total</b>	\$27,083
<b>task 4, General coordination and monthly progress updates: labor</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	410 hrs x \$100 (2006) + 410 x \$105 (2007) + 200 x \$110 (2008)	106050
<b>Delta, Jane</b>	104 hrs x \$70 (2006) + 104 hrs x \$75 (2007) + 50 x \$80 (2008)	19080
<b>Epsilon, John</b>	40 hrs x \$70 (2006) + 40 hrs x \$75 (2007) + 20 x \$80 (2008)	7400
<b>Zeta, Jane</b>	20 hrs x \$50 (2006) + 20 hrs x \$ 52 (2007) + 10 hrs x \$ 55 (2008)	2590
<b>task 4, General coordination and monthly progress updates: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	15% of salary	15908
<b>Delta, Jane</b>	15% of salary	2862
<b>Epsilon, John</b>	15% of salary	1110
<b>Zeta, Jane</b>	15% of salary	389

<b>task 4, General coordination and monthly progress updates: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 4, General coordination and monthly progress updates: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 4, General coordination and monthly progress updates: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 4, General coordination and monthly progress updates: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 4, General coordination and monthly progress updates: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 4, General coordination and monthly progress updates: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 4 total</b>	\$155,389
<b>task 5, Tidal water supply: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	200 hrs x \$70 (2006) + 600 hrs x \$75 (2007) + 160 x \$80 (2008)	71800
<b>Epsilon, John</b>	200 hrs x \$70 (2006) + 600 hrs x \$75 (2007) + 80 x \$80 (2008)	65400
<b>Chi, John, PhD.</b>	130 hrs x \$100 (2006)+ 260 hrs x \$105 (2007) + 130 hrs x \$110 (2008)	54600
<b>task 5, Tidal water supply: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	15% of salary	10770
<b>Epsilon, John</b>	15% of salary	9810
<b>Chi, John, PhD.</b>	15% of salary	8190
<b>task 5, Tidal water supply: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>mileage</b>	24 trips to 6 field sites at 82 miles average round trip @\$0.34/mi	4015
<b>task 5, Tidal water supply: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>other</b>	Depth sounder (Depthmate SM-5)	180
<b>other</b>	Staff gauges (6 gauges @ \$75 ea)	450
<b>other</b>	Deployment supplies (feltspar, stakes, etc.)	2000
<b>other</b>	Data loggers: 24 Telogs @ \$1,080	25920
<b>task 5, Tidal water supply: subcontractors</b>	<b>justification</b>	<b>amount</b>

<i>No subcontractor was assigned to this task.</i>		
<b>task 5, Tidal water supply: equipment</b>	<b>justification</b>	<b>amount</b>
<b>Multiparameter instruments</b>	<b>6 YSI 6600 @ \$7,500</b>	<b>45000</b>
<b>task 5, Tidal water supply: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 5, Tidal water supply: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 5 total</b>	<b>\$298,135</b>
<b>task 6, Accretion rates: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>160 hrs x \$70 (2006) + 400 hrs x \$75 (2007) + 120 x \$80 (2008)</b>	<b>50800</b>
<b>Epsilon, John</b>	<b>160 hrs x \$70 (2006) + 400 hrs x \$75 (2007) + 120 x \$80 (2008)</b>	<b>50800</b>
<b>Chi, John, PhD.</b>	<b>100 hrs x \$100 (2006)+ 210 hrs x \$105 (2007) + 80 hrs x \$110 (2008)</b>	<b>40850</b>
<b>task 6, Accretion rates: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>15% of salary</b>	<b>7620</b>
<b>Epsilon, John</b>	<b>15% of salary</b>	<b>7620</b>
<b>Chi, John, PhD.</b>	<b>15% of salary</b>	<b>6128</b>
<b>task 6, Accretion rates: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>mileage</b>	<b>4 trips to 10 field sites at 82 miles 12 @ \$0.34/mi</b>	<b>1115</b>
<b>task 6, Accretion rates: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>other</b>	<b>Sedimentation Elevation Tables: 10 @ \$220 ea</b>	<b>2200</b>
<b>task 6, Accretion rates: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 6, Accretion rates: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 6, Accretion rates: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 6, Accretion rates: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 6 total</b>	<b>\$167,133</b>
<b>task 7.1, Coordination with Landscape Ecology Team: labor</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	<b>20 hrs x \$100 (2006)+ 20 hrs x \$105 (2007) + 8 hrs x \$110 (2008)</b>	<b>4980</b>
<b>Delta, Jane</b>	<b>16 hrs x \$70 (2006) + 24 hrs x \$75 (2007) + 4 x \$80 (2008)</b>	<b>3240</b>
<b>Chi, John, PhD.</b>	<b>20 hrs x \$100 (2006)+ 40 hrs x \$105 (2007) + 8 hrs x \$110 (2008)</b>	<b>7080</b>

<b>task 7.1, Coordination with Landscape Ecology Team: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Alpha, John, Ph.D.</b>	15% of salary	747
<b>Delta, Jane</b>	15% of salary	486
<b>Chi, John, PhD.</b>	15% of salary	1062
<b>task 7.1, Coordination with Landscape Ecology Team: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 7.1, Coordination with Landscape Ecology Team: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 7.1, Coordination with Landscape Ecology Team: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 7.1, Coordination with Landscape Ecology Team: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 7.1, Coordination with Landscape Ecology Team: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 7.1, Coordination with Landscape Ecology Team: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
<b>task 7.1 total</b>		\$17,595
<b>task 7.2, Topographic survey and ground control for aerials: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	48 hrs x \$70 (2006) + 16 hrs x \$75 (2007) + 16 x \$80 (2008)	5840
<b>Epsilon, John</b>	48 hrs x \$70 (2006) + 16 hrs x \$75 (2007) + 16 x \$80 (2008)	5840
<b>Chi, John, PhD.</b>	32 hrs x \$100 (2006)+ 4 hrs x \$105 (2007) + 4 hrs x \$110 (2008)	4060
<b>task 7.2, Topographic survey and ground control for aerials: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	15% of salary	876
<b>Epsilon, John</b>	15% of salary	876
<b>Chi, John, PhD.</b>	15% of salary	609
<b>task 7.2, Topographic survey and ground control for aerials: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>mileage</b>	4 trips to 10 field sites at 82 miles 12 @ \$0.34/mi	1115
<b>task 7.2, Topographic survey and ground control for aerials: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>other</b>	Optical level: SDCL 2340D	1200

	<b>other</b>	Laser total station: LDR 3443	1800
<b>task 7.2, Topographic survey and ground control for aerials: subcontractors</b>		<b>justification</b>	<b>amount</b>
	<b>* Surveyor</b>	Survey of marsh elevations	10000
<b>task 7.2, Topographic survey and ground control for aerials: equipment</b>		<b>justification</b>	<b>amount</b>
<b>task 7.2, Topographic survey and ground control for aerials: other direct</b>		<b>justification</b>	<b>amount</b>
<b>task 7.2, Topographic survey and ground control for aerials: indirect (overhead)</b>		<b>justification</b>	<b>amount</b>
		<b>task 7.2 total</b>	\$32,216
<b>task 8, Sediment and pore water chemistry: labor</b>		<b>justification</b>	<b>amount</b>
	<b>Delta, Jane</b>	48 hrs x \$70 (2006) + 20 hrs x \$75 (2007) + 16 x \$80 (2008)	6140
	<b>Epsilon, John</b>	48 hrs x \$70 (2006) + 20 hrs x \$75 (2007) + 16 x \$80 (2008)	6140
	<b>Chi, John, PhD.</b>	32 hrs x \$100 (2006)+ 4 hrs x \$105 (2007) + 4 hrs x \$110 (2008)	4060
<b>task 8, Sediment and pore water chemistry: benefits</b>		<b>justification</b>	<b>amount</b>
	<b>Delta, Jane</b>	15% of salary	921
	<b>Epsilon, John</b>	15% of salary	921
	<b>Chi, John, PhD.</b>	15% of salary	609
<b>task 8, Sediment and pore water chemistry: travel expenses</b>		<b>justification</b>	<b>amount</b>
		4 x 300 mi @ \$0.34	444
<b>task 8, Sediment and pore water chemistry: supplies and expendables</b>		<b>justification</b>	<b>amount</b>
	<b>other</b>	120 still wells at \$20 ea	2400
<b>task 8, Sediment and pore water chemistry: subcontractors</b>		<b>justification</b>	<b>amount</b>
		<i>No subcontractor was assigned to this task.</i>	
<b>task 8, Sediment and pore water chemistry: equipment</b>		<b>justification</b>	<b>amount</b>
<b>task 8, Sediment and pore water chemistry: other direct</b>		<b>justification</b>	<b>amount</b>
	<b>Chemical analyses of soil samples</b>	212 samples @ \$66 ea	13992

<b>task 8, Sediment and pore water chemistry: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 8 total</b>	\$35,627
<b>task 9, Administrative functions: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	40 hrs x \$70 (2006) + 40 hrs x \$75 (2007) + 20 x \$80 (2008)	7400
<b>Chi, John, PhD.</b>	200 hrs x \$100 (2006)+ 120 hrs x \$105 (2007) + 60 hrs x \$110 (2008)	39200
<b>Zeta, Jane</b>	20 hrs x \$50 (2006) + 20 hrs x \$ 52 (2007) + 40 hrs x \$ 55 (2008)	4240
<b>task 9, Administrative functions: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	15% of salary	1110
<b>Chi, John, PhD.</b>	15% of salary	5880
<b>Zeta, Jane</b>	15% of salary	636
<b>task 9, Administrative functions: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 9, Administrative functions: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 9, Administrative functions: subcontractors</b>	<b>justification</b>	<b>amount</b>
<b>*Peer Reviewers</b>	Peer review of field methods and approach; 3 reviewers @ \$3,000 ea	9000
<b>task 9, Administrative functions: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 9, Administrative functions: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 9, Administrative functions: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 9 total</b>	\$67,466
<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	20 hrs x \$80 (2008)	1600
<b>Epsilon, John</b>	20 hrs x \$80 (2008)	1600
<b>Chi, John, PhD.</b>	20 hrs x \$105 (2007) + 400 hrs x \$110 (2008)	46100
<b>Zeta, Jane</b>	80 hrs x \$55 (2008)	4400
<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	15% of salary	240
<b>Epsilon, John</b>	15% of salary	240
<b>Chi, John, PhD.</b>	15% of salary	6915
<b>Zeta, Jane</b>	15% of salary	660
<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: travel expenses</b>	<b>justification</b>	<b>amount</b>

<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>reproduction</b>	2,000 copies @ \$0.10/each	200
<b>postage/delivery</b>	6 FedEx deliveries @ \$25 each	150
<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 10, Draft and final work plan, PPT contribution to Integrated Conceptual Model, monthly progress reports: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 10 total</b>	\$62,105
<b>task 11.1, Delta University component of project initiation, management and general reporting: labor</b>	<b>justification</b>	<b>amount</b>
<b>Beta, Jane, PhD.</b>	10% of \$21630/yr in Yr 1; \$23112/yr in Yr 2	6711
<b>*Graduate Student</b>	10% of \$24300/yr	7290
<b>task 11.1, Delta University component of project initiation, management and general reporting: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Beta, Jane, PhD.</b>		
<b>*Graduate Student</b>	health Ins. : 0.15* (300/semester * 4)	180
<b>task 11.1, Delta University component of project initiation, management and general reporting: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>mileage</b>	8 trips to meeting at Wetland Inst. 62 mi @ 0.34/mi	169
<b>task 11.1, Delta University component of project initiation, management and general reporting: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>reproduction</b>	1,500 copies @ \$0.10/each	150

<b>postage/delivery</b>	<b>6 FedEx deliveries @ \$25 each</b>	<b>150</b>
<b>task 11.1, Delta University component of project initiation, management and general reporting: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 11.1, Delta University component of project initiation, management and general reporting: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 11.1, Delta University component of project initiation, management and general reporting: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 11.1, Delta University component of project initiation, management and general reporting: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
<b>Standard Delta University overhead</b>	<b>10% of direct</b>	<b>1433</b>
	<b>task 11.1 total</b>	<b>\$16,083</b>
<b>task 11.2, Wetland Institute component of project initiation, management and general reporting: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>8 hrs x \$70 (2006) + 8 hrs x \$75 (2007) + 8 x \$80 (2008)</b>	<b>1800</b>
<b>Epsilon, John</b>	<b>8 hrs x \$70 (2006) + 8 hrs x \$75 (2007) + 8 x \$80 (2008)</b>	<b>1800</b>
<b>Chi, John, PhD.</b>	<b>50 hrs x \$100 (2006)+ 90 hrs x \$105 (2007) + 90 hrs x \$110 (2008)</b>	<b>24350</b>
<b>task 11.2, Wetland Institute component of project initiation, management and general reporting: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>15% of salary</b>	<b>270</b>
<b>Epsilon, John</b>	<b>15% of salary</b>	<b>270</b>
<b>Chi, John, PhD.</b>	<b>15% of salary</b>	<b>3653</b>
<b>task 11.2, Wetland Institute component of project initiation, management and general reporting: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 11.2, Wetland Institute component of project initiation, management and general reporting: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 11.2, Wetland Institute component of project initiation, management and general reporting: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		

task 11.2, Wetland Institute component of project initiation, management and general reporting: equipment	justification	amount
task 11.2, Wetland Institute component of project initiation, management and general reporting: other direct	justification	amount
task 11.2, Wetland Institute component of project initiation, management and general reporting: indirect (overhead)	justification	amount
	task 11.2 total	\$32,143
task 12.1, Delta University component of data inventory and gap identification: labor	justification	amount
Beta, Jane, PhD.	15% of \$21630/yr in Yr 1; \$23112/yr in Yr 2	4474
* Graduate Student	15% of \$24300/yr	2430
task 12.1, Delta University component of data inventory and gap identification: benefits	justification	amount
Beta, Jane, PhD.		
* Graduate Student	health Ins. : 0.1 x (300/semester * 4)	120
task 12.1, Delta University component of data inventory and gap identification: travel expenses	justification	amount
	2 x 82 mi @ \$0.34	61
task 12.1, Delta University component of data inventory and gap identification: supplies and expendables	justification	amount
reproduction	3,000 copies @ \$0.10/each	300
postage/delivery	6 FedEx deliveries @ \$25 each	150
task 12.1, Delta University component of data inventory and gap identification: subcontractors	justification	amount
<i>No subcontractor was assigned to this task.</i>		
task 12.1, Delta University component of data inventory and gap identification: equipment	justification	amount
task 12.1, Delta University component of data inventory and gap identification: other direct	justification	amount
task 12.1, Delta University component of data inventory and gap identification: indirect (overhead)	justification	amount
Standard Delta University overhead	10% of direct	1260
	task 12.1 total	\$8,795
task 12.2, Wetland Institute component of data inventory and gap identification: labor	justification	amount

	<b>Delta, Jane</b>	8 hrs x \$70 (2006) + 8 hrs x \$75 (2007)	2050
	<b>Chi, John, PhD.</b>	10 hrs x \$100 (2006)+ 10 hrs x \$105 (2007)	1160
<b>task 12.2, Wetland Institute component of data inventory and gap identification: benefits</b>		<b>justification</b>	<b>amount</b>
	<b>Delta, Jane</b>	15% of salary	308
	<b>Chi, John, PhD.</b>	15% of salary	174
<b>task 12.2, Wetland Institute component of data inventory and gap identification: travel expenses</b>		<b>justification</b>	<b>amount</b>
<b>task 12.2, Wetland Institute component of data inventory and gap identification: supplies and expendables</b>		<b>justification</b>	<b>amount</b>
<b>task 12.2, Wetland Institute component of data inventory and gap identification: subcontractors</b>		<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>			
<b>task 12.2, Wetland Institute component of data inventory and gap identification: equipment</b>		<b>justification</b>	<b>amount</b>
<b>task 12.2, Wetland Institute component of data inventory and gap identification: other direct</b>		<b>justification</b>	<b>amount</b>
<b>task 12.2, Wetland Institute component of data inventory and gap identification: indirect (overhead)</b>		<b>justification</b>	<b>amount</b>
		<b>task 12.2 total</b>	\$3,692
<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: labor</b>		<b>justification</b>	<b>amount</b>
	<b>Beta, Jane, PhD.</b>	35% of \$21630/yr in Yr 1; \$23112/yr in Yr 2	15660
	<b>*Graduate Student</b>	35% of \$24300/yr	8505
<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: benefits</b>		<b>justification</b>	<b>amount</b>
	<b>Beta, Jane, PhD.</b>		
	<b>*Graduate Student</b>	health Ins. : 0.35 x (300/semester * 4)	420
<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: travel expenses</b>		<b>justification</b>	<b>amount</b>
<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: supplies and expendables</b>		<b>justification</b>	<b>amount</b>
	<b>other</b>	digital imagery data: 2 scenes @ \$2,000 ea	4000
	<b>other</b>	plotting cost: 42 plots of 3 feet @ \$3 / ft	378

<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 13.1, Delta University component of spatial data collection and analysis using a site-scale approach: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	10% of direct	2896
	<b>task 13.1 total</b>	\$31,859
<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	24 hrs x \$70 (2006) + 240 hrs x \$75 (2007) + 48 x \$80 (2008)	23520
<b>Epsilon, John</b>	24 hrs x \$70 (2006) + 240 hrs x \$75 (2007) + 48 x \$80 (2008)	23520
<b>Chi, John, PhD.</b>	10 hrs x \$100 (2006)+ 130 hrs x \$105 (2007) + 32 hrs x \$110 (2008)	18170
<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	15% of salary	3528
<b>Epsilon, John</b>	15% of salary	3528
<b>Chi, John, PhD.</b>	15% of salary	2726
<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: travel expenses</b>	<b>justification</b>	<b>amount</b>
	16 * 300 @ \$0.34	1776
<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: equipment</b>	<b>justification</b>	<b>amount</b>

<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 13.2, Wetland Institute component of spatial data collection and analysis using a site-scale approach: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 13.2 total</b>	\$76,768
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: labor</b>	<b>justification</b>	<b>amount</b>
<b>Beta, Jane, PhD.</b>	<b>20% of \$21630/yr in Yr 1; \$23112/yr in Yr 2</b>	<b>8948</b>
<b>*Graduate Student</b>	<b>20% of \$24300/yr</b>	<b>4860</b>
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Beta, Jane, PhD.</b>		
<b>*Graduate Student</b>	<b>health Ins. : 0.2 x (300/semester * 4)</b>	<b>240</b>
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 14.1, Delta University component of spatial data collection and analysis using a landscape-scale approach: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>10% of direct</b>	<b>1405</b>
	<b>task 14.1 total</b>	<b>\$15,453</b>
<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>24 hrs x \$75 (2007) + 8 x \$80 (2008)</b>	<b>2440</b>
<b>Chi, John, PhD.</b>	<b>10 hrs x \$105 (2007) + 16 hrs x \$110 (2008)</b>	<b>2810</b>

<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>15% of salary</b>	<b>422</b>
<b>Chi, John, PhD.</b>	<b>15% of salary</b>	<b>366</b>
<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 14.2, Wetland Institute component of spatial data collection and analysis using a landscape-scale approach: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
	<b>task 14.2 total</b>	<b>\$6,038</b>
<b>task 15.1, Delta University component of collaborative integrative analysis: labor</b>	<b>justification</b>	<b>amount</b>
<b>Beta, Jane, PhD.</b>	<b>20% of \$21630/yr in Yr 1; \$23112/yr in Yr 2</b>	<b>8948</b>
<b>*Graduate Student</b>	<b>20% of \$24300/yr</b>	<b>4860</b>
<b>task 15.1, Delta University component of collaborative integrative analysis: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Beta, Jane, PhD.</b>		
<b>*Graduate Student</b>	<b>health Ins. : 0.15* (300/semester * 4)</b>	<b>240</b>
<b>task 15.1, Delta University component of collaborative integrative analysis: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 15.1, Delta University component of collaborative integrative analysis: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
<b>reproduction</b>	<b>3,000 copies @ \$0.10/each</b>	<b>300</b>

<b>postage/delivery</b>	<b>6 FedEx deliveries @ \$25 each</b>	<b>150</b>
<b>task 15.1, Delta University component of collaborative integrative analysis: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 15.1, Delta University component of collaborative integrative analysis: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 15.1, Delta University component of collaborative integrative analysis: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 15.1, Delta University component of collaborative integrative analysis: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>
<b>Standard Delta University overhead</b>	<b>10% of direct</b>	<b>2071</b>
	<b>task 15.1 total</b>	<b>\$16,569</b>
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: labor</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>8 hrs x \$70 (2006) + 24 hrs x \$75 (2007) + 48 x \$80 (2008)</b>	<b>6200</b>
<b>Chi, John, PhD.</b>	<b>16 hrs x \$100 (2006)+ 40 hrs x \$105 (2007) + 80 hrs x \$110 (2008)</b>	<b>14600</b>
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: benefits</b>	<b>justification</b>	<b>amount</b>
<b>Delta, Jane</b>	<b>15% of salary</b>	<b>930</b>
<b>Chi, John, PhD.</b>	<b>15% of salary</b>	<b>2190</b>
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: travel expenses</b>	<b>justification</b>	<b>amount</b>
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: supplies and expendables</b>	<b>justification</b>	<b>amount</b>
	<b>photocopies shipping</b>	<b>350</b>
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: subcontractors</b>	<b>justification</b>	<b>amount</b>
<i>No subcontractor was assigned to this task.</i>		
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: equipment</b>	<b>justification</b>	<b>amount</b>
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: other direct</b>	<b>justification</b>	<b>amount</b>
<b>task 15.2, Wetland Institute component of collaborative integrative analysis: indirect (overhead)</b>	<b>justification</b>	<b>amount</b>

<b>task 15.2 total</b>	\$24,270
<b>grand total</b>	\$1,156,151

- The indirect costs may change by more than 10% if federal funds are awarded for this proposal.

What is the total of non-federal funds requested? **1156151**

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