

DEP CONTRACT / GRANT REVIEW FORM

DEP Contract No. SP676 - Original Contract / Agreement

CONTRACTOR / GRANTEE INFORMATION

Name	Address	City, State, Zip	Contact Person	Phone	FY End	FEID
Smithsonian Institution	PO Box 28 647 Contees Wharf Road	Edgewater, MD 21037	Dr. Cynthia Gilmour	443-482-2498	9/30 12/31	53-0206027

DEP CONTRACT / GRANT INFORMATION

DEP Contract / Grant No.: SP676		DEP Original Contract / Grant Agreement: x		Amendment No.:		Funding Increment No.:	
Type: ☒ Services ☐ Grants ☐ Commodities ☐ Visitor Services ☐ Other Type	Procurement Method:			SS DEP 07/08 SSA027			
Change Order No.:	Is travel cost reimbursable? N		DMS/Class Group: 973-360	Program Reference:			
Grant Information	Are federal funds supporting this Contract? N	Are State funds supporting this contract being used as match to a federal grant? N		Enter Federal Grant here & CFDA# in FUNDING INFORMATION section			
Land/Equipment Ownership	Are equipment purchases authorized under this Contract? N	Will DEP retain ownership? N	Are land purchases authorized under Contract? N	Will DEP/BOT retain ownership? N			
Is this a Certified Minority Business? N	If Yes, Certified MBE:		Registered Minority Business? N	If Yes, Registered MBE Code:			
Contract Period				Payment Method			
Contract Begin Date:	Execution	End Date:	1 Year	☐ Cost Reimb. ☐ Cost Reimb./Fixed Fee ☒ Fixed Price ☐ Fee Schedule ☐ Advance Pymt.			
Subject/Brief Description of Contract:							
Aquatic cycling of mercury in the Everglades							

FUNDING INFORMATION

Contract Ceiling Amount, if any	\$0.00	For Amendments & Funding Increment Letters	☐ Increase Funding ☐ Decrease Funding ☐ No change	Change Amount	\$0.00	Contract Funding Amount	\$133,583.00
Org Code	ZE	Object Code	139900	Fund/ FID	221013	BE	141117
Category	08	GAA LI		CSFA/ CFDA		Rec. Type	
Grant No.		OCA/ Module No.		Project No.		Amount	
37104100000	139900	221013	141117	08			\$133,583.00
Specify County or Counties where work is being performed.				For projects containing an object code of 75XXXX or 79XXXX, CFSA or CFDA and Recipient Type must be completed.		Journal Transfer Info (29 digit code)	
Statewide						BIF Object	

MANAGEMENT INFORMATION

Division/District/Office:	DEAR	Bureau/Office:	
Contract Manager:	Don Axelrad	Phone No. of Manager:	850-245-2400
		Mail Station #:	

REVIEW AND EXECUTION INFORMATION

Review Role	Approved By - Signature	Date Approved	Identify Delegation of Authority for Person Executing Contract:
Contract Manager:	<i>[Signature]</i>	08/07/2008	Reviewer Comments & Checks (for Procurement Section use only) DOS Registered? ☐ Y ☒ N/A ☒ Required MFMP Registered? Transaction Fee Exemption Form? ☐ Y ☒ N/A ☒ Required Vendor/Recipient Relationship Checklist? Insurance Certificates? ☒ Y ☐ N/A Summary of Contractual Services Agreement (CSA) Form? Other Requirements?
Budget Representative:	<i>[Signature]</i>	8/11/2008	
Bureau Chief:	<i>[Signature]</i>	8/11/08	
Division/District Director:	<i>[Signature]</i>	8/11/08	
Quality Assurance:	N/A	N/A	
Contracts Administrator:	<i>[Signature]</i>	8/5/08	
General Counsel:	<i>[Signature]</i>	8/5/08	Procurement Initials DB
Division/District IRM:	N/A	N/A	
Department CIO:	N/A	N/A	

DEP Contract No. SP676 - Original Contract / Agreement
CONTRACT REVIEW PROCESS

Note: The Contract Review Process should only be initiated after the Department's Procurement Section has developed and/or approved the contractual agreement. The purpose of this review process is to demonstrate concurrence with the contractual agreement as written. It is the Contract Manager's responsibility to insure that the Contract Review Process has been completed prior to contract execution.

Position		Purpose/Requirement
Contract Manager		Signature indicates concurrence with the contract as written. If the Contract Manager has the authority to execute contracts, he/she must not do so. Someone with proper delegated authority in a supervisory role over the Contract Manager must be responsible for contract execution.
Budget Representative		Signature indicates concurrence with the payment arrangements included in the contract, including the funding sources depicted on the Contract Review Form. If changes to the funding information are made, the Procurement Section must be contacted regarding possible impacts to the contract language as a result of the funding change.
Bureau Chief or Comparable Position		Signature indicates concurrence with the contract as written. If the Bureau Chief is delegated authority to execute the contract, review and approval by the Division/District Director may not be required.
Division/District Director		Signature indicates concurrence with the contract as written. If the Bureau Chief is delegated authority to execute the contract, then the review and approval of the Division/District Director may not be required.
Quality Assurance		Signature demonstrating concurrence with the quality assurance language contained in the contract must be obtained in cases where water, soil or air sampling and/or analysis will be performed under the contract. The Division of Air Resources Management will be responsible for approving all quality assurance language regarding air sampling/analysis activities. The Environmental Assessment Section with the Division of Resource Assessment and Management will be responsible for approving all quality assurance language regarding water and soil sampling/analysis activities.
Contracts Administrator		Unless specifically waived by DEP Directives 315, 316, and 317, review and approval by the Department's Contract Administrator (Procurement Administrator or designee) is required on all agency contracts.
General Counsel		The Office of General Counsel is required to review and approve all Department contracts which exceed the purchasing threshold category three. In addition, review and approval of contracts funded with federal dollars which fall under the purchasing threshold category three must be conducted by the General Counsel's Office. The Office of General Counsel reviews and approves contracts regarding form and legality. Review/approval by the Office of General Counsel is not required for state funded activities which utilize DEP 55-205 and are not in excess of Purchasing Category Three.
Division/District IRM and Department CIO		Approval required for contracts in which the Department is procuring information technology goods or services.

CONTRACT DISTRIBUTION PROCESS

Upon full execution of the contract, the Contract Manager is responsible for distributing copies of the Contract and Contract Review Form as follows:

Entity	Distribution Process Steps
Procurement Section (MS93)	Send original executed contract and a photocopy of the Contract Review Form. This is not required for agreements that fall under DEP Directive 316.
Contracts Disbursements Section (MS78)	Send two photocopies of the executed contract and two photocopies of the Contract Review Form.
Contract Manager	Maintain a photocopy of the executed contract and the original Contract Review Form.
Contractor	Send the remaining originally executed contract to the Contractor for its records.

RECIPIENT TYPE CODES FOR STATE AND FEDERAL FINANCIAL ASSISTANCE

A	B	C	D	E	F	G	H	I
Non-Profit	For-Profit	Local Gov't & WMO	State Community Colleges	District School Boards	Another State Agency	State Universities	No Subrecipient	Mixed Sub-recipient (Fed. Only)

CONTRACT

THIS CONTRACT is entered into between the STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, whose address is 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 (hereinafter referred to as the "Department"), and the SMITHSONIAN INSTITUTION, whose address is Smithsonian Environmental Research Center (SERC), P.O. Box 28, 647 Contees Wharf Road, Edgewater, MD 21037, (hereinafter referred to as the "Contractor"), a non-profit Trust Instrumentality of the United States, for the services of the Smithsonian Environmental Research Center, to provide research services on the aquatic cycling of mercury in the Everglades.

In consideration of the mutual benefits to be derived herefrom, the Department and Contractor do hereby agree as follows:

1. The Department does hereby retain the Contractor to provide research services on the aquatic cycling of mercury in the Everglades as defined herein and the Contractor does hereby agree to perform such services upon the terms and conditions set forth in this Contract, Attachment A, Scope of Services, and all attachments and exhibits named herein which are attached hereto and incorporated by reference. The Contractor has been determined to be a vendor to the Department under this Contract.
2. The Contractor shall perform the services in a proper and satisfactory manner as determined by the Department. Any and all equipment, products or materials necessary to perform this Contract shall be supplied by the Contractor, unless otherwise specified herein.
3. The Contractor shall perform as an independent contractor and not as an agent, representative, or employee of the Department.
4. This Contract shall begin upon execution by both parties and remain in effect for a period of one (1) year, inclusive. In accordance with Section 287.058(2), Florida Statutes, the Contractor shall not be eligible for reimbursement for services rendered prior to the execution date of this Contract. This Contract may not be renewed.
5.
 - A. As consideration for the services rendered by the Contractor under the terms of this Contract, the Department shall pay the Contractor on a fixed price basis in the amount of \$133,583.
 - B. The Contractor shall submit invoices on a quarterly basis based on the percentage of completion of each task, in conjunction with progress reports as required herein. All bills for amounts due under this Contract shall be submitted in detail sufficient for a proper pre-audit and post-audit thereof. A final invoice must be submitted no later than thirty (30) days after the completion date of this Contract to assure the availability of funding for final payment. All travel and incidental expenses are included in the fixed price amount of the Contract.
6. The State of Florida's performance and obligation to pay under this Contract is contingent upon an annual appropriation by the Legislature.
7. Pursuant to Section 215.422, Florida Statutes, the Department's Contract Manager shall have five (5) working days, unless otherwise specified herein, to inspect and approve the services for payment; the Department must submit a request for payment to the Florida Department of Financial Services within twenty (20) days; and the Department of Financial Services is given ten (10) days to issue a warrant. Days are calculated from the latter date the invoice is received or services received, inspected, and approved. Invoice payment requirements do not start until a proper and correct invoice has been received. Invoices which have to be returned to a contractor for correction(s) will result in a delay in the payment. A Vendor Ombudsman has been established within the Florida Department of Financial Services who may be contacted if a contractor is experiencing problems in obtaining timely payment(s) from a State of Florida agency. The Vendor Ombudsman may be contacted at 850-410-9724 or 1-800-848-3792.

8. In accordance with Section 215.422, Florida Statutes, the Department shall pay the Contractor, interest at a rate as established by Section 55.03(1), Florida Statutes on the unpaid balance, if a warrant in payment of an invoice is not issued within forty (40) days after receipt of a correct invoice and receipt, inspection, and approval of the goods and services. Interest payments of less than \$1 will not be enforced unless a contractor requests payment. The interest rate established pursuant to Section 55.03(1), Florida Statutes may be obtained by calling the Department of Financial Services, Vendor Ombudsman at the telephone number provided above or the Department's Procurement Section at 850-245-2361.
9. The Contractor shall submit quarterly progress reports which indicate the work performed during the reporting period, work scheduled for the next reporting period, percentage completion of each task, problems encountered and resolutions of the problems, and any schedule updates. Quarterly reports shall be submitted to the Department's Contract Manager no later than twenty (20) days following the completion of the quarterly reporting period. It is hereby understood and agreed by the parties that the term "quarterly" shall reflect the calendar quarters ending March 31, June 30, September 30 and December 31. The Contractor shall also submit all deliverables specified in Attachment A in accordance with the schedule therein.
10. The Contractor shall save and hold harmless and indemnify the State of Florida and the Department against any and all liability, claims, judgments or costs of whatsoever kind and nature for injury to, or death of any person or persons and for the loss or damage to any property resulting from the use, service, operation or performance of work under the terms of this Contract, resulting from any negligent act, or failure to act, by the Contractor, his subcontractor, or any of the employees, agents or representatives of the Contractor or subcontractor to the extent allowed by law.

The foregoing notwithstanding, the Department is hereby put on notice that: (1) the Smithsonian Institution falls within the purview of the Federal Tort Claims Act (37 U.S.P. 3721, et. Seq.); (2) the General Counsel of the Smithsonian Institution is authorized to settle all claims against the United States (Smithsonian Institution) for damage to property, personal injury, or death caused by the negligent act of failure to act of a Smithsonian Institution employee in the course of his/her employment recognizable under the Federal Tort Claims Act, as amended, up to the amount of \$25,000. Any claims beyond that amount require approval by the U.S. Department of Justice; and, (3) in some instances this may be an exclusive remedy.

11. The Department may terminate this Contract at any time in the event of the failure of the Contractor to fulfill any of its obligations under this Contract. Prior to termination, the Department shall provide ten (10) calendar days written notice of its intent to terminate and shall provide the Contractor an opportunity to consult with the Department regarding the reason(s) for termination.

Either party may terminate this Contract at any time for convenience by giving thirty (30) calendar days written notice by certified mail, return receipt requested, to the other party. In case of such termination, the Contractor shall be paid for work satisfactorily completed.

Notice shall be sufficient if delivered personally or by certified mail to the address set forth in paragraph 12.

12. Any and all notices shall be delivered to the parties at the following addresses:

Contractor
Ruth Tallman
Office of Sponsored Projects
Smithsonian Institution
P.O. Box 37012, MRC 1205
Washington, DC 20013-7012

Department
Don Axelrad, MS # 6511
Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400
Tallahassee, FL 32399-2400

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13. The Department's Contract Manager Don Axelrad, Phone 850-245-8072. The Contractor's Contract Manager is Ruth Tallman, Phone 202-633-7109. All matters shall be directed to the Contract Managers for appropriate action or disposition
14. This Contract may be unilaterally canceled by the Department for refusal by the Contractor to allow public access to all documents, papers, letters, or other material made or received by the Contractor in conjunction with this Contract, unless the records are exempt from Section 24(a) of Article I of the State Constitution and Section 119.07(1), Florida Statutes.
15. The Contractor shall maintain books, records and documents directly pertinent to performance under this Contract in accordance with generally accepted accounting principles consistently applied. The Department, the State, or their authorized representatives shall have access to such records for audit purposes during the term of this Contract and for five years following Contract completion. In the event any work is subcontracted, the Contractor shall similarly require each subcontractor to maintain and allow access to such records for audit purposes.
16. The Contractor covenants that it presently has no interest and shall not acquire any interest which would conflict in any manner or degree with the performance of services required.
17. This Contract has been delivered in the State of Florida and shall be construed in accordance with the laws of Florida. Wherever possible, each provision of this Contract shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Contract shall be prohibited or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Contract. Any action hereon or in connection herewith shall be brought in Leon County, Florida.
18. No delay or failure to exercise any right, power or remedy accruing to either party upon breach or default by either party under this Contract, shall impair any such right, power or remedy of either party; nor shall such delay or failure be construed as a waiver of any such breach or default, or any similar breach or default thereafter.
19. The Contractor recognizes that the State of Florida, by virtue of its sovereignty, is not required to pay any taxes on the services or goods purchased under the terms of this Contract.
20. This Contract is neither intended nor shall it be construed to grant any rights, privileges or interest in any third party without the mutual written agreement of the parties hereto.
21.
 - A. No person, on the grounds of race, creed, color, national origin, age, sex, or disability, shall be excluded from participation in; be denied the proceeds or benefits of; or be otherwise subjected to discrimination in performance of this Contract.
 - B. An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity. The Florida Department of Management Services is responsible for maintaining the discriminatory vendor list and intends to post the list on its website. Questions regarding the discriminatory vendor list may be directed to the Florida Department of Management Services, Office of Supplier Diversity at 850-487-0915.
22. This Contract is an exclusive contract for services and may not be assigned in whole or in part without the written approval of the Department.
23.
 - A. The Contractor shall not subcontract, assign, or transfer any work under this Contract without the prior written consent of the Department's Contract Manager. The Contractor agrees to be responsible for the fulfillment of all work elements included in any subcontract consented to by the Department and agrees to be responsible for the payment of all monies due under any subcontract. It is understood and agreed by the Contractor that the Department shall not be liable to any subcontractor for any expenses or liabilities incurred under the subcontract and

that the Contractor shall be solely liable to the subcontractor for all expenses and liabilities incurred under the subcontract.

- B. The Department of Environmental Protection supports diversity in its procurement program and requests that all subcontracting opportunities afforded by this Contract embrace diversity enthusiastically. The award of subcontracts should reflect the full diversity of the citizens of the State of Florida. A list of Minority Owned firms that could be offered subcontracting opportunities may be obtained by contacting the Office of Supplier Diversity at 850- 487-0915.

24. It is expressly understood and agreed that any articles which are the subject of, or required to carry out, this Contract shall be purchased from the corporation identified under Chapter 946, Florida Statutes (F.S.), if available, in the same manner and under the same procedures set forth in Section 946.515(2), (4), F.S.; and for purposes of this Contract the person, firm or other business entity carrying out the provisions of this Contract shall be deemed to be substituted for this agency insofar as dealings with such corporation are concerned.

The "Corporation identified" is PRISON REHABILITATIVE INDUSTRIES AND DIVERSIFIED ENTERPRISES, INC. (P.R.I.D.E.) which may be contacted at:

P.R.I.D.E.
12425 28th Street, North
St. Petersburg, Florida 33716-1826
Toll Free: 1-800-643-8459
Website: <http://www.pride-enterprises.org/>

25. It is expressly understood and agreed that any articles that are the subject of, or required to carry out, this Contract shall be purchased from a nonprofit agency for the blind or for the severely handicapped that is qualified pursuant to Chapter 413, Florida Statutes, in the same manner and under the same procedures set forth in Section 413.036(1) and (2), Florida Statutes; and for purposes of this Contract the person, firm, or other business entity carrying out the provisions of this Contract shall be deemed to be substituted for the state agency insofar as dealing with such qualified nonprofit agency are concerned.

The "nonprofit agency" identified is RESPECT of Florida which may be contacted at:

RESPECT of Florida
2475 Apalachee Parkway, Suite 205
Tallahassee, Florida 32301-4946
850-487-1471
Website: www.respectofflorida.org

26. To the extent required by law, the Contractor will be self-insured against, or will secure and maintain during the life of this Contract, Workers' Compensation Insurance for all of his employees connected with the work of this project and, in case any work is subcontracted, the Contractor shall require the subcontractor similarly to provide Workers' Compensation Insurance for all of the latter's employees unless such employees are covered by the protection afforded by the Contractor. Such self-insurance program or insurance coverage shall comply fully with the Florida Workers' Compensation law. In case any class of employees engaged in hazardous work under this Contract is not protected under Workers' Compensation statutes, the Contractor shall provide, and cause each subcontractor to provide, adequate insurance satisfactory to the Department, for the protection of his employees not otherwise protected.
27. The Contractor shall secure and maintain comprehensive general liability coverage with limits of not less than \$100,000 per occurrence and \$500,000 annual aggregate for bodily injury and property damage; and comprehensive automobile liability coverage with limits of not less than \$100,000 combined single limit. The Contractor's current certificate of insurance shall contain a provision that the insurance will not be canceled for any reason except after thirty (30) days written notice to the Department's Contracts Administrator. The insurance certificate must name the Department as an additional insured and reference the DEP Contract Number (SP676).

28. The purchase of non-expendable personal property or equipment costing \$1,000 or more is not authorized under the terms of this Contract.
29. The Department may at any time, by written order designated to be a change order, make any change in the work within the general scope of this Contract (e.g., specifications, time, method or manner of performance, requirements, etc.). All change orders are subject to the mutual agreement of both parties as evidenced in writing. Any change order which causes an increase or decrease in the Contractor's cost or time shall require formal amendment to this Contract.
30. The employment of unauthorized aliens by any contractor/vendor is considered a violation of Section 274A(e) of the Immigration and Nationality Act. If the Contractor/vendor knowingly employs unauthorized aliens, such violation shall be cause for unilateral cancellation of this Contract. The Contractor shall be responsible for including this provision in all subcontracts with private organizations issued as a result of this Contract.
31. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not perform work as a grantee, contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, F.S., for Category Two, for a period of 36 months from the date of being placed on the convicted vendor list.
32. The Contractor shall comply with all applicable federal, state and local rules and regulations in providing services to the Department under this Contract. The Contractor acknowledges that this requirement includes compliance with all applicable federal, state and local health and safety rules and regulations. The Contractor further agrees to include this provision in all subcontracts issued as a result of this Contract.
33. The State of Florida, through the Department of Management Services, has instituted MyFloridaMarketPlace, a statewide e-procurement system. Pursuant to rule 60A-1.032(1), Florida Administrative Code, this Contract shall be exempt from the one percent (1%) transaction fee.
34. This Contract represents the entire agreement of the parties. Any alterations, variations, changes, modifications or waivers of provisions of this Contract shall only be valid when they have been reduced to writing, duly signed by each of the parties hereto, and attached to the original of this Contract, unless otherwise provided herein.

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IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed, the day and year last written below.

SMITHSONIAN INSTITUTION

By: Karen Oly for
Title: J. Scott Robinson, CRA, Director
Office of Sponsored Projects
Date: 8/18/08

P.O. Box 28
647 Contees Wharf Road
Edgewater, MD 21037

FEID No: 53-0206027

List of attachments/exhibits included as part of this Contract:

Specify Type	Letter/ Number	Description (include number of pages)
Attachment	A	Scope of Services (3 Pages)

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

By: [Signature]
Director, Division of Environmental Assessment
and Restoration
Date: 8/11/08

[Signature]
Don Axelrad, DEP Contract Manager

[Signature]
DEP Contracts Administrator

Approved as to form and legality:

[Signature]
DEP Attorney

ATTACHMENT A

SCOPE OF SERVICES

OVERVIEW

Since 1995, the Aquatic Cycling of Mercury in the Everglades (ACME) project team has studied mercury cycling in the Everglades.

The ACME study has focused on the biogeochemical mechanisms driving the high rates of methylmercury (MeHg) bioaccumulation in the ecosystem. Key findings have been as regards the roles of sulfur and dissolved organic carbon (DOC) in MeHg production, and reduction in mercury (Hg) bioavailability for methylation as it ages in soils.

The core ACME project team consist of:

David Krabbenhoft, Ph.D., U.S. Geological Survey (USGS), Middleton, WI

William Orem, Ph.D., USGS, Reston, VA

George Aiken, Ph.D., USGS, Boulder, CO

Cynthia Gilmour, Ph.D., Smithsonian Environmental Research Center, Edgewater, MD

The ACME study has included two main components. One is a detailed assessment, through time, of the biogeochemistry of core sites across the full length of the Everglades ecosystem. These core sites include locations in each of the main components of the system, from Arthur R. Marshall Loxahatchee National Wildlife Refuge (LNWR) to Everglades national Park (ENP). The core study sites – LOX (in LNWR), F1, U3 (in WCA 2A), 2BS (WCA 2B), 3A15 (WCA 3A), TS7 and TS9 (ENP) - have been sampled most years since 1995. From 1995 - 1998, these sites were visited 2-4 times per year. Over the years, many stormwater treatment areas (STAs) have also been sampled by the project team. This data set provides correlative information on the relationship between MeHg production and biogeochemical variables, like nutrients, sulfate and sulfide.

The data set for core ACME sites includes information on Hg and MeHg concentrations in surface water, soil interstitial waters (pore waters), soils, and the food web. Food web components include invertebrates and small fish. Detailed biogeochemical data for the sites was also measured, including microbial activity and soils and water chemistry, with a focus on sulfur cycling and organic matter characterization.

The second component of the study is a series of field mesocosm experiments designed to test cause and effect hypotheses. Additions to mesocosms have included mercury, sulfate, dissolved organic carbon (DOC), and phosphate. Mesocosm experiments have been run at LOX, F1, U3, 2BS and 3A15. The most detailed sulfate and DOC addition studies were carried out at site 3A15.

Study data have been published in a variety of papers in the primary literature and in reports to the Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), and the U.S. Geological Survey (USGS). Updates on the study appear regularly in the South Florida Environmental Report (SFER) (https://my.sfwmd.gov/portal/page?_pageid=2714,14424186&_dad=portal&_schema=PORTAL). However, the full data set from the study has not been compiled in one location nor undergone final QA.

This project will compile data from all ACME researchers in one central data set (Excel or Access), where it can be queried and studied as controls on sulfur inputs to the Everglades are debated. Metadata will be included. The data set will be made openly accessible to the public (as well as submitted to the USGS for consideration for publication as an open file report). The project will also include a text report on the synthesized dataset.

As part of that report, a synthesis of the literature on methylmercury production with a detailed focus on studies of the relationship between sulfate, sulfide and MeHg will be provided. The literature summary will help to put the ACME data sets into a larger context, and provide information to decision makers.

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SCOPE OF WORK

The specific tasks to be accomplished under this Contract are set out below:

Task 1. Compile and synthesize field data sets from ACME intensive biogeochemical study sites 1995- 2007

- Lox, F1, U3, 2BS, 3A15, TS7, TS9 + scattered other sites, including STAs
- Deliverables and due dates:
 - 1. Full data set(s) including metadata
 - Teleconference(s) with the Department to discuss and refine metadata and data organization needs. Initial teleconference within the first month of the Contract, other teleconferences scheduled as needed.
 - Quarterly progress reports
 - First draft data set, Jan. 1, 2009
 - Final data set, April 1, 2009
 - 2. Text data report
 - Quarterly progress reports
 - First draft April 1, 2009
 - Final report, June 1, 2009
- Task 1 Total Cost: \$98,790

Task 2. Synthesis of available literature on sulfate and sulfide effects on MeHg production in all types of ecosystems.

- Deliverables and due dates:
 - 1. Detailed report, to be integrated with the ACME data report from Task 1. To include a synthesis of the literature on methylmercury production with a detailed focus on studies of the relationship between sulfate, sulfide and MeHg.
 - Draft report, April 1, 2009
 - Final data and literature synthesis report, June 1, 2009
 - 2. Attendance at the Department workshop to present data and conclusions and receive comment on the integrated data and literature synthesis report, and if necessary revise report.
 - Attend Workshop, April 2009
- Task 2 Total Cost: \$34,793

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TARGET ACTIVITIES FOR QUARTERLY BUDGET PERIODS, BY TASK

TASK 1. Synthesis of ACME field data sets - Florida Fiscal Year 2008/2009

Work Products' Due Dates	Target activities		Anticipated % completion of task
First month of Contract (others as needed)	Teleconference(s) with the Department regarding metadata and data organization		0%
Oct. 1, 2008		Quarterly progress report	30%
Jan. 1, 2009	Draft data set	Quarterly progress report	30%
Apr. 1, 2009	Final data set	First draft report	20%
June 1, 2009		Final Report	20%

TASK 2. Literature synthesis – Florida Fiscal Year 2008/2009

Work Products' Due Dates	Target activities		Anticipated % completion of task
Oct. 1, 2008	Quarterly progress report		20%
Jan. 1, 2009	Quarterly progress report		30%
Feb./Mar. 2009	Attend meeting with the Department Tallahassee regarding work products		0%
Apr. 1, 2009	First Draft Report		30%
Apr. 2009	Attend Department Workshop in Florida		0%
June 1, 2009	Final Report		20%