

CCNA2018 WORK ORDER 1

Blue Cypress Lake Water Quality Study

This Work Order Number 1 is entered into as of this ____ day of _____, 2018, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of the 17th day of April, 2018 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Jones Edmunds & Associates, Inc. ("Consultant").

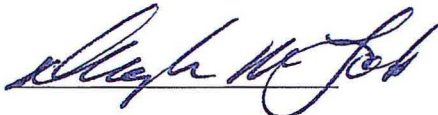
The COUNTY has selected the Consultant to perform the professional services set forth in Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit A. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), attached to this Work Order and made a part hereof by this reference. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:

BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY

By:



By:

Peter D. O'Bryan, Chairman

Print Name:

Douglas Toth, PhD, PE

Title:

Managing Director &
Senior Vice President

BCC Approved Date:

B Cunningham 7/31/2018

Attest: Jeffrey R. Smith, Clerk of Court and Comptroller

By:

Deputy Clerk

Approved:

Jason E. Brown, County Administrator

Approved as to form and legal sufficiency:

Dylan T. Reingold, County Attorney

Blue Cypress Lake Water Quality Study

Exhibit A Scope of Work

Objective

The objective is to gather, validate, and assess the water quality data associated with Blue Cypress Lake and its watershed, including the permitted use of land application of biosolids, to determine if anthropogenic influences are a significant causative factor in water quality trends.

Related Project

As part of a Purchase Order the Consultant performed the initial elements of this project, including data collection, one interagency coordination meeting, and trend analysis. This Scope of Work is a continuation of those efforts to reach a conclusion on the project objective.

Task 1: Kickoff Meeting and Site Visit

The Consultant will attend a kickoff meeting with the County and conduct a site visit in the watershed. The kickoff meeting will be used to confirm project goals, establish lines of communication, and discuss past efforts.

Deliverable: Meeting agenda and minutes.

Task 2: Interagency Coordination

The Consultant will attend up to three interagency coordination meetings. One purpose of the meetings will be to discuss past and proposed efforts to avoid duplication and to facilitate information sharing. We are proposing these to be online meetings due to the wide geographic extent of the applicable agencies. Coordination meetings will include FDEP, SJRWMD, FDACS, FWC, and others as needed to discuss data sources, guidance, regulatory oversight, and jurisdictional responsibilities.

Deliverable: Meeting agendas, presentation material, and minutes.

Task 3: WBID Assessment

Using the same statistical protocols used by FDEP, the Consultant will assess each of the WBIDs (Attachment A) against the applicable water quality criteria. The Blue Cypress Lake and the surrounding WBIDs are part of the Upper St. Johns Group 3 Basin, which was last assessed in 2016 with data collected through July, 2015. The next assessment will likely occur in either 2019 or 2020, and it is important to be able to anticipate any change in impairment status. This task is not directly related to determination of anthropogenic sources but speaks to assimilative capacity, causation of impairment, and potential for involvement of the Florida Watershed Restoration Act.

Deliverable: Technical memorandum summarizing the WBID assessments.

Blue Cypress Lake Water Quality Study

Task 4: Stakeholder Meetings

The Consultant will conduct two in-person stakeholder meetings to discuss data collection, methodology, and findings. We will use the first meeting to discuss data collection and proposed methodology and the second to discuss findings.

Deliverable: Meeting agendas and minutes.

Task 5: County Meetings

The Consultant will attend up to three in-person coordination, information and presentation meetings with staff and the Board of County Commissioners to discuss project activities, data collection, findings and recommendations.

Deliverable: Meeting agendas and minutes.

Task 6: Conclusions and Recommendations

Based on the data analysis and findings from the tasks above, the Consultant will provide our conclusion on anthropogenic influences as a significant causative factor in water quality trends. Depending on the outcome of the tasks above, we will also provide recommendations on potential additional data collection and future analyses.

Deliverable: Technical memorandum summarizing conclusions and recommendations.

Schedule

We understand the County's need to produce findings in advance of the current 180-day moratorium on biosolids that began on July 17, 2018, and the desire to have a significant portion of this scope completed prior to 120 days after the beginning of the moratorium. Therefore, we propose the following schedule:

Task Description	Start Date	End Date
Task 1: Kickoff Meeting and Site Visit	August 17, 2018	August 31, 2018
Task 2: Interagency Coordination	August 17, 2018	October 31, 2018
Task 3: WBID Assessment	August 24, 2018	September 20, 2018
Task 4: Stakeholder Meetings	August 31, 2018	October 31, 2018
Task 5: County Meetings	August 31, 2018	November 20, 2018
Task 6: Conclusions and Recommendations	October 31, 2018	November 20, 2018

Blue Cypress Lake Water Quality Study

Fees

We will perform the Scope of Services above for a lump sum fee of \$48,490 based on the breakdown by task shown below. We will invoice by task based on deliverables.

Job/Task Description	Blue Cypress Lake – Water Quality Study											
	Jones Edmunds						Janicki Environmental			Total Hours	Expenses	Total
	Project Officer	Sr. Project Manager	Engineer	Engineer Intern	GIS Analyst	Senior Admin. Assist.	Principal	Scientist				
Rate	\$ 250	\$ 225	\$ 130	\$ 120	\$ 100	\$ 85	\$ 185	\$ 85				
Task 1: Kickoff Meeting and Site Visit	1	20	0	0	0	2	8	0	31	\$ 200	\$ 6,600	
Task 2: Interagency Coordination	1	28	0	0	0	3	22	0	54		\$ 10,875	
Task 3: WBID Assessment	1	2	0	0	2	2	4	24	35		\$ 3,850	
Task 4: Stakeholder Meetings	1	22	0	0	4	4	12	0	43		\$ 8,160	
Task 5: County Meetings	1	24	0	0	4	4	12	0	45	\$ 600	\$ 9,210	
Task 6: Conclusions and Recommendations	1	17	16	0	8	8	8	8	66		\$ 9,795	
Total Hours	6	113	16	0	18	23	66	32	274	\$ 800		
Total Fee	\$ 1,500	\$ 25,425	\$ 2,080	\$ -	\$ 1,800	\$ 1,955	\$ 12,210	\$ 2,720			\$ 48,490	

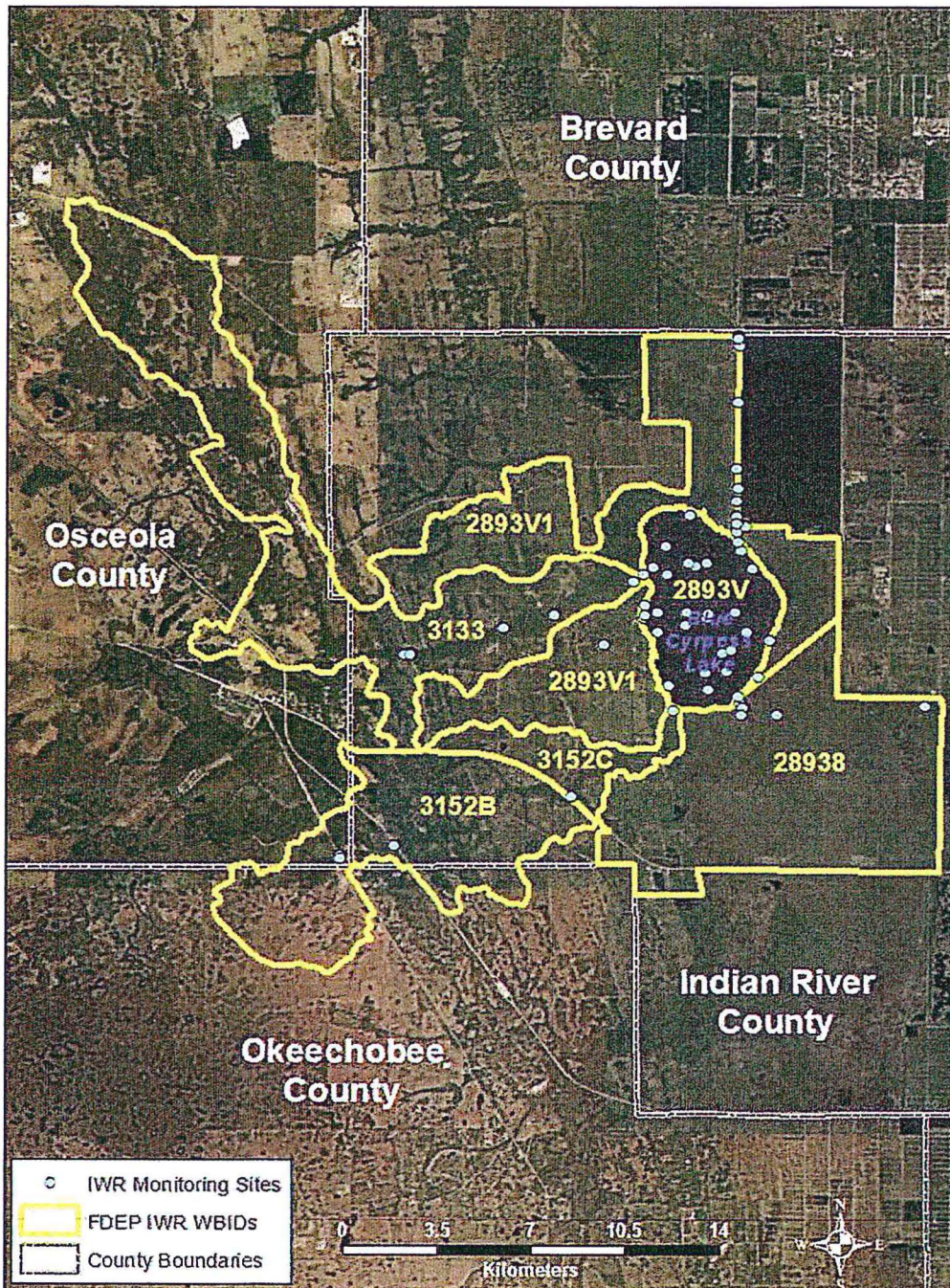
Assumptions

1. The Jones Edmunds Team will not perform monitoring under this Task Order. However, we will use results from FDEP, SJRWMD, and other agencies as applicable if the monitoring data are available within the needed timeframe for this project.

Blue Cypress Lake Water Quality Study

Exhibit A

Blue Cypress Lake Water Quality Study



Blue Cypress Lake Water Quality Study

Exhibit B

Exhibit 1

Indian River County

RFQ No. 2018008

Continuing Consulting Engineering Services

Fee Schedule for Initial 3-Year Contract Period

Group	Labor Category	Hourly Rate
Engineering / Science	Project Officer / Senior Consultant	\$ 250
	Senior Project Manager / Chief Engineer	\$ 225
	Senior Engineer	\$ 215
	Project Manager / Project Engineer	\$ 170
	Senior Scientist	\$ 160
	Project Scientist	\$ 150
	Engineer or Scientist	\$ 130
	Engineer Intern (PhD) / Designer	\$ 120
	Engineer Intern or Associate Scientist	\$ 100
CADD	Senior CADD Designer	\$ 115
	CADD Designer	\$ 100
	Senior CADD Technician	\$ 90
GIS	Senior Database Administrator	\$ 165
	Systems Analyst	\$ 160
	Senior GIS Analyst or Programmer / Database Administrator	\$ 130
	GIS Analyst or Programmer	\$ 100
	Senior GIS Technician	\$ 80
	GIS Technician	\$ 70
Environmental	Senior Field Technician Environmental	\$ 95
	Environmental Data Analyst	\$ 90
Construction	Senior Construction Administrator	\$ 155
	Construction Administrator	\$ 120
	Senior Field Representative Construction	\$ 105
	Field Representative Construction	\$ 85
	Construction Project Coordinator	\$ 70
Administrative	Senior Technical Editor	\$ 110
	Senior Administrative Assistant	\$ 85
	Administrative Assistant	\$ 65

These hourly billing rates will remain effective for the initial duration of this Agreement, and may be renegotiated should an additional renewal period be exercised.

Subconsultants and other direct expenses are not included in the hourly billing rates. All subconsultant and other direct project related expenses are subject to a minimum handling/administrative charge of 10 percent.

Reimbursable Expense Schedule

Reproduction Costs

Color Copies	
8-1/2 x 11 and 8-1/2 x 14	\$0.50 page
11x17	\$0.75 page
Black and White Copies	
8-1/2 x 11 and 8-1/2 x 14	\$0.05 page
11x17	\$0.10 page
KIP Plotter	\$0.125 square foot
Mylars	actual cost + 10%

Office Supplies

Project-specific office supplies	actual cost + 10%
Computer disks, tapes	actual cost + 10%

Equipment Rental

GPS Equipment	\$5.00 hour
RTK Unit (Survey Grade)	\$25.00 hour
Equipment rental	actual cost + 10%

Travel Expenses

Jones Edmunds vehicle	\$0.60 mile
Rental vehicle	actual cost + 10%
Personal vehicle mileage	current IRS rate + 10%
Other travel expenses in accordance with FS Chapter 112.061	

Computer Services

CADD	\$12.50 hour
GIS	\$5.00 hour
HYDR (Hydraulic Modeling)	\$7.50 hour
SKM Power	\$10.00 hour

Consultants

Subconsultant services	actual cost + 10%
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Delivery Services

Couriers and delivery services (UPS, FedEx)	actual cost + 10%
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