

Task 1 Summary Report

(DEP Grant INV13)

Reporting Period: April 6, 2021 - October 31 ,2021

Submission Date: October 29, 2021

Submitted by:

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Task Identification:

- 1.) Signed acceptance letter from GIS IT Coordinator hired by the IRL Council

The IRLNEP hired Kirsten Jo (KJ) Ayres as the GIS IT Coordinator on May 13, 2021. Please see the attached acceptance letter to verify the fulfillment of this requirement.

- 2.) Electronic copy of GeoCollaborate Instance licenses purchase.

Please see the attached 2021-12a invoice that was completed on May 21, 2021.

- 3.) Agenda and attendance log for all meetings and conference calls
Standing Agenda:

Update from KJ
Update from Kathy (IRLNEP) and Ellen (SCC) on communication efforts
Update from Science Advisors Charles Jacoby and Dennis Hanisak
Update from StormCenter Communications
All hands: Review of all materials developed since prior meeting

Please see attached Log

- 4.) Quality Assurance Manual
Please see attachment.

- 5.) Summary Report for completed items in this task including description of purchases for setup of IRL Council/IRLNEP GeoCollaborate lab and feedback from the initial GeoCollaborate instance and session demonstration

Staff and the project team developed an initial presentation to review the elements of the project and presented it the IRL Council board of directors and management conference on May 14th, 2021. There were a few questions from the board of directors and the responses are listed below. Overall, the general consensus of the management conference was they were curious and interested in the first public instance session that will be occurring on December 6, 2021.

Q1: “Was the public involved in the information shown (in the presentation) and could the public add data to the algal bloom (information center) that they saw, or does it (GeoCollaborate) just pull from the agencies?” Jacqui Thurlow-Lippisch Governing Board Member for the SFWMD

Dave, CEO of StormCenter Communication: Using any data collection platform, that could be set up by an app or website, the public would be able to submit pictures or reports or things of that nature so we could harness the power of crowd sourcing to improve situational awareness. Currently, we have some other projects asking if we can do that sort of thing, like up in rural Alaska, where they won a grant from the NASA Globe program, where they (the public) can send crowd sourced images into the Globe database. We (GeoCollaborate) can access that data, quickly showing report.”

Q2: “How would you deal with ethereal nature of algal blooms? How does it match in real time?” Jacqui Thurlow-Lippisch Governing Board Member for the SFWMD

Dave Jones, CEO of StormCenter Communications: “Through the series of the project, as it (the project) evolves we are going to see how useful certain satellite imagery is, certain reports are, also that’s why we have Chuck (Charles Jacoby, PhD.) so we can leverage his expertise, as well as the IRLNEP and their new hired GIS expert, so we are going to want to process that data and test it out.”

Ellen Prager, PhD., Chief Scientist at StormCenter Communications – “Adding in, we want to add that dashboard can automatically update depending on the streams of data we are pulling in. Hopefully that will resolve if the algae present or if it is not and how quickly it is changing.”

This table summarizes the items purchased for the IRLNEP GIS lab.

Date of Purchase	Product Name	Price
05/25/2021	ArcGIS Professional Advanced Term License	\$3,800.00
06/03/2021	Samsung 870 QVO SATA III 2.5” SSD 1TB	\$99.99
06/23/2021	ArcGIS Geostatistical License	\$552.33
06/23/2021	ArcGIS Spatial Analyst License	\$552.33
7/15/2021	ArcGIS Image Analyst License	\$516.16
8/30/2021	ArcGIS Online Service Credits: Block of 1000	\$100.00
		Total: \$5,620.81

Date	Day of Week	Attendance	Topic of Discussion	Organizations represented
5/24/2021	Monday	Duane, Daniel, Kathy and KJ	Introduction and Purchase of GIS materials	IRLNEP
5/25/2021	Tuesday	Dave and KJ	Geocollaborate introduction for KJ	IRLNEP and StormCenter
5/31/2021	Monday	Duane, Daniel, Kathy and KJ	Standing Agenda	IRLNEP
6/2/2021	Wednesday	Dave and KJ	Updates from both organizations	IRLNEP and StormCenter
6/2/2021	Wednesday	Charles and KJ	SJRWMD introduction for KJ	IRLNEP and SJRWMD
6/7/2021	Monday	Duane, Daniel, Kathy and KJ	Standing Agenda	IRLNEP
6/9/2021	Wednesday	Dennis, Kristen, KJ	FAU/HBOI Introduction for KJ	IRLNEP and HBOI
6/10/2021	Thursday	Charles and KJ	Data access from SJRWMD	IRLNEP and SJRWMD
6/14/2021	Monday	Duane, Daniel, Kathy and KJ	Standing Agenda	IRLNEP
6/18/2021	Friday	Duane, Daniel, Kathy, KJ, Charles and Dennis	Standing Agenda	IRLNEP, SJRWMD and HBOI
6/23/2021	Wednesday	Charles and IT department at SJRWMD, Yan, Mitch, Dave and KJ	Publishing data into public geospatial formats	IRLNEP, SJRWMD and StormCenter
6/28/2021	Monday	Duane, Daniel, Kathy and KJ	Standing Agenda	IRLNEP
7/1/2021	Thursday	Charles, Dave, Mitch and KJ	Reviewing progress and status of 6/12/2021 meeting	IRLNEP, SJRWMD and StormCenter
7/1/2021	Thursday	Dave and KJ	Updates from both organizations	IRLNEP and StormCenter
7/2/2021	Friday	Duane, Daniel, Kathy, KJ, Charles and Dennis	Standing Agenda	IRLNEP, SJRWMD and HBOI

7/6/2021	Tuesday	Duane, Daniel, Kathy and KJ	Standing Agenda	IRLNEP
7/9/2021	Friday	Charles and KJ	Discussing different interpolation models	IRLNEP and SJRWMD
7/12/2021	Monday	Duane, Daniel, Kathy, KJ	Standing Agenda	IRLNEP
7/15/2021	Thursday	Duane, Daniel, Kathy, KJ, Dave and Ellen	Standing Agenda	IRLNEP and StormCenter
7/16/2021	Friday	Duane, Daniel, Kathy, KJ, Charles and Dennis	Standing Agenda	IRLNEP, SJRWMD and HBOI
7/19/2021	Monday	Duane, Daniel, Kathy, Ashley, Jennifer and KJ	Standing Agenda	IRLNEP
7/28/2021	Wednesday	Duane, Daniel, Kathy, Ashley, and KJ	Standing Agenda	IRLNEP
7/30/2021	Friday	Duane, Daniel, Kathy, Ashley, KJ, Charles and Dennis	Standing Agenda	IRLNEP, SJRWMD and HBOI
8/2/2021	Monday	Duane, Daniel, Kathy, Ashley, and KJ	Standing Agenda	IRLNEP
8/6/2021	Friday	KJ and Charles	Update meeting and review of interpolation models	IRLNEP and SJRWMD
8/9/2021	Monday	Duane, Daniel, Kathy, Ashley, and KJ	Standing Agenda	IRLNEP
8/13/2021	Friday	Duane, Daniel, Kathy, Ashley, KJ, Charles and Dennis	Standing Agenda	IRLNEP, SJRWMD and HBOI
8/16/2021	Monday	Duane, Daniel, Kathy, Ashley and KJ	Standing Agenda	IRLNEP
8/18/2021	Wednesday	Charles, Rex, and KJ	Discussion of Data modeling interpolation techniques with SJRWMD modeling team	IRLNEP and SJRWMD



Indian River Lagoon National Estuary Program

May 13, 2021

Kirsten Jo Ayres
2206 West 250 South, Unit G
Pleasant Grove, UT 84062

RE: LETTER OF EMPLOYMENT – GIS INFORMATION TECHNOLOGY COORDINATOR POSITION

Dear Ms. Ayres,

Following our recent negotiations, I am pleased to offer you the contract position of GIS Information Technology Coordinator with the IRL Council, an independent Special District of Florida. If you join the IRL Council, you will become part of a fast-paced, dedicated and focused team that hosts the Indian River Lagoon National Estuary Program (IRLNEP). The IRL Council works together with the IRLNEP Management Conference and our community partners to implement the mission and goals of the IRLNEP.

This is a temporary, 18-month position. The job description is attached.

This career opportunity requires your focused commitment to deliver outstanding quality and results that meet and/or exceed the stated goals and mission of the IRL Council, IRLNEP, and the awarded project with the Department of Environmental Protection. The IRL Council is dedicated to providing our IRL partners the highest level of public service and science-based guidance for Indian River Lagoon restoration and stewardship.

In addition, I expect your personal accountability in all the products, actions, guidance and results that you provide as a representative of the IRL Council. In return, I am committed to providing you with every opportunity to learn, grow professionally, and diversify your skills to the highest level of your ability and potential. I am confident you will find this new opportunity both challenging and rewarding. The following points outline this employment offer:

Title: GIS Information Technology Coordinator

Job Description: See attached.

Start Date: As soon as possible, dependent upon sufficient notice to your present employer.

Salary: \$104,894.40 total over the term or \$33.62/hr.

Benefits/Policies and Procedures: No benefits as provided for in the IRL Council Handbook of Personnel Policies and Practices, attached.

I look forward to the opportunity to work with you!

Sincerely,

Duane E. De Freese, Ph.D.
Executive Director, IRL Council

With the signature below, I accept this offer for employment. I understand this is an at-will position and no contractual right of employment exists under this letter of employment.

05/13/2021
Kirsten Jo Ayres Date

ONE LAGOON
ONE COMMUNITY · ONE VOICE



1450 South Rolling Road, Suite 4.029
 Halethorpe, MD 21227
 410-203-1316

Proforma Invoice

Bill to: IRL Council
 1235 Main Street
 Sebastian, FL 32958

Invoice #	2021-12a
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Period of Performance	April 2021
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Invoice Date	Contract / Subcon / PO #	Encumbrance #			Terms	Due Date
5/21/2021	IRL.2021-06	GL01-1531				
Item	Description	Quantity	U/M	Rate	Total	Cumulative
	GeoCollaborate licenses for period 4/6/21 - 4/5/22	3		\$20,000.00	\$60,000.00	\$60,000.00
Total this invoice					\$60,000.00	\$60,000.00

I hereby certify that the above is correct and just, and that payment thereof has not been received.

Nancy K. Campbell

Remittance information

Electronic funds transfer: Wells Fargo 2000005956319,
 routing 055003201
 Checks: StormCenter Communications, Inc.
 1450 S. Rolling Road, Suite 4.029
 Halethorpe, MD 21227

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