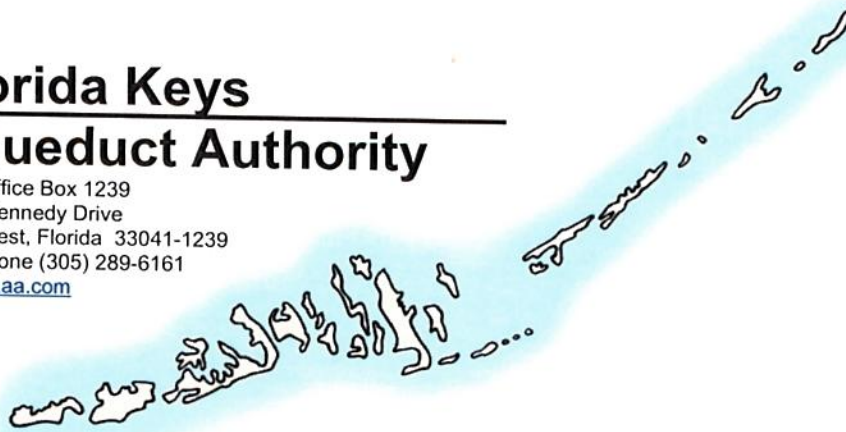




Florida Keys Aqueduct Authority

Post Office Box 1239
1100 Kennedy Drive
Key West, Florida 33041-1239
Telephone (305) 289-6161
www.fkaa.com



David C. Ritz
Chairman
Key Largo

Rose M. Dell
Vice-Chairman
Big Pine Key

Antoinette M. Appell
Secretary/Treasurer
Marathon

J. Robert Dean
Key West

Elena Z. Herrera
Rockland Key

James C. Reynolds
Executive Director

March 25, 2010

Mr. Robert Bastian
Senior Environmental Scientist
Rm. 7329K EPA East
1201 Constitution Ave NW
Washington, DC 20004

Dear Mr. Bastian:

Enclosed is our application for federal grant funds to assist the FKAA with implementing a project to provide residents of the Florida Keys with upgraded Decentralized Wastewater Systems. This program is envisioned to provide a high level of success in the concerted efforts to protect environmental conditions in the Florida Keys.

Please let us know if there is any other information needed to determine grant approval. We have forwarded a copy of this package to Lauren Milligan for State Clearinghouse determination.

We appreciate EPA's consideration of our request.

Sincerely,

FLORIDA KEYS AQUEDUCT AUTHORITY

Tom G. Walker, PE, BCEE
Director of Engineering

TGW/omn
Enclosure

c: Bob Freeman, EPA
Judi Clarke, Monroe County Office
Lauren Milligan, Florida State Clearinghouse

Application for Federal Assistance SF-424

Version 02

*1. Type of Submission

☐ Preapplication

☒ Application

☐ Changed/Corrected Application

*2. Type of Application

☒ New

☐ Continuation

☐ Revision

*If Revision, select appropriate letter(s):

* Other (Specify)

*3. Date Received:

4. Application Identifier:

5a. Federal Entity Identifier:

*5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: FLORIDA KEYS AQUEDUCT AUTHORITY

* b. Employer/Taxpayer Identification Number (EIN/TIN):

*c. Organizational DUNS:

d. Address:

*Street1: 1100 KENNEDY DRIVE

Street 2:

*City: KEY WEST

County:

*State: FL

Province:

Country: USA

*Zip/ Postal Code: 33040

e. Organizational Unit:

Department Name:

ENGINEERING

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: MR.

First Name: THOMAS

Middle Name: GRANT

*Last Name: WALKER

Suffix:

Title: DIRECTOR OR ENGINEERING

Organizational Affiliation:

*Telephone Number: 305-296-2454

Fax Number:

*Email: twalker@fkaa.com

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type: D. Special District Government

Type of Applicant 2: Select Applicant Type:

- Select One -

Type of Applicant 3: Select Applicant Type:

- Select One -

*Other (specify):

*10. Name of Federal Agency:

11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

*12. Funding Opportunity Number:

*Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

LOWER FLORIDA KEYS - MONROE COUNTY, FL

*15. Descriptive Title of Applicant's Project:

DECENTRALIZED WASTEWATER TREATMENT DEMONSTRATION PROJECT FOR THE FLORIDA KEYS.

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

*a. Applicant
FLORIDA'S 18th DISTRICT

*b. Program/Project:
FLORIDA'S 18th DISTRICT

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

*a. Start Date: March 1, 2010

*b. End Date: June 30, 2012

18. Estimated Funding (\$):

*a. Federal	\$3.60	*d. Local	
*b. Applicant	\$0.90	*e. Other	
*c. State		*f. Program Income	
*d. Local		*g. TOTAL	\$4.50

*19. Is Application Subject to Review By State Under Executive Order 12372 Process?

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☐ c. Program is not covered by E.O. 12372

*20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)

☐ Yes ☒ No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

☒ **I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Mr. *First Name: JAMES

Middle Name:

*Last Name: REYNOLDS

Suffix:

*Title: EXECUTIVE DIRECTOR

*Telephone Number: 305-296-2454

Fax Number: 305-295-2220

*Email: jreynolds@fkaa.com

*Signature of Authorized Representative:

Date Signed: 3/22/10

Application for Federal Assistance SF-424

Version 02

*Applicant Federal Debt Delinquency Explanation

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

This is a standard form (including the continuation sheet) required for use as a cover sheet for submission of preapplications and applications and related information under discretionary programs. Some of the items are required and some are optional at the discretion of the applicant or the Federal agency (agency). Required items are identified with an asterisk on the form and are specified in the instructions below. In addition to the instructions provided below, applicants must consult agency instructions to determine specific requirements.

Item	Entry:	Item	Entry:
1.	Type of Submission: (Required): Select one type of submission in accordance with agency instructions. - Preapplication - Application - Changed/Corrected Application – If requested by the agency, check if this submission is to change or correct a previously submitted application. Unless requested by the agency, applicants may not use this to submit changes after the closing date.	10.	Name Of Federal Agency: (Required) Enter the name of the Federal agency from which assistance is being requested with this application.
2.	Type of Application: (Required) Select one type of application in accordance with agency instructions. - New – An application that is being submitted to an agency for the first time. - Continuation - An extension for an additional funding/budget period for a project with a projected completion date. This can include renewals. - Revision - Any change in the Federal Government's financial obligation or contingent liability from an existing obligation. If a revision, enter the appropriate letter(s). More than one may be selected. If "Other" is selected, please specify in text box provided. A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration E. Other (specify)	11.	Catalog Of Federal Domestic Assistance Number/Title: Enter the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested, as found in the program announcement, if applicable.
		12.	Funding Opportunity Number/Title: (Required) Enter the Funding Opportunity Number and title of the opportunity under which assistance is requested, as found in the program announcement.
		13.	Competition Identification Number/Title: Enter the Competition Identification Number and title of the competition under which assistance is requested, if applicable.
		14.	Areas Affected By Project: List the areas or entities using the categories (e.g., cities, counties, states, etc.) specified in agency instructions. Use the continuation sheet to enter additional areas, if needed.
3.	Date Received: Leave this field blank. This date will be assigned by the Federal agency.	15.	Descriptive Title of Applicant's Project: (Required) Enter a brief descriptive title of the project. If appropriate, attach a map showing project location (e.g., construction or real property projects). For preapplications, attach a summary description of the project.
4.	Applicant Identifier: Enter the entity identifier assigned by the Federal agency, if any, or applicant's control number, if applicable.	16.	Congressional Districts Of: (Required) 16a. Enter the applicant's Congressional District, and 16b. Enter all District(s) affected by the program or project. Enter in the format: 2 characters State Abbreviation – 3 characters District Number, e.g., CA-005 for California 5 th district, CA-012 for California 12 th district, NC-103 for North Carolina's 103 rd district. - If all congressional districts in a state are affected, enter "all" for the district number, e.g., MD-all for all congressional districts in Maryland. - If nationwide, i.e. all districts within all states are affected, enter US-all. - If the program/project is outside the US, enter 00-000.
5a.	Federal Entity Identifier: Enter the number assigned to your organization by the Federal Agency, if any.		
5b.	Federal Award Identifier: For new applications leave blank. For a continuation or revision to an existing award, enter the previously assigned Federal award identifier number. If a changed/corrected application, enter the Federal Identifier in accordance with agency instructions.		
6.	Date Received by State: Leave this field blank. This date will be assigned by the State, if applicable.		
7.	State Application Identifier: Leave this field blank. This identifier will be assigned by the State, if applicable.	17.	Proposed Project Start and End Dates: (Required) Enter the proposed start date and end date of the project.
8.	Applicant Information: Enter the following in accordance with agency instructions:		
	a. Legal Name: (Required): Enter the legal name of applicant that will undertake the assistance activity. This is the name that the organization has registered with the Central Contractor Registry. Information on registering with CCR may be obtained by visiting the Grants.gov website.	18.	Estimated Funding: (Required) Enter the amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines, as applicable. If the action will result in a dollar change to an existing award, indicate only the amount of the change. For decreases, enclose the amounts in parentheses.
	b. Employer/Taxpayer Number (EIN/TIN): (Required): Enter the Employer or Taxpayer Identification Number (EIN or TIN) as assigned by the Internal Revenue Service. If your organization is not in the US, enter 44-4444444.		
	c. Organizational DUNS: (Required) Enter the organization's DUNS or DUNS+4 number received from Dun and Bradstreet. Information on obtaining a DUNS number may be obtained by visiting the Grants.gov website.		
	d. Address: Enter the complete address as follows: Street address (Line 1 required), City (Required), County, State (Required, if country is US), Province, Country (Required), Zip/Postal Code (Required, if country is US).		
	e. Organizational Unit: Enter the name of the primary organizational unit (and department or division, if applicable) that will undertake the		
		19.	Is Application Subject to Review by State Under Executive Order 12372 Process? Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the

	assistance activity, if applicable. f. Name and contact information of person to be contacted on matters involving this application: Enter the name (First and last name required), organizational affiliation (if affiliated with an organization other than the applicant organization), telephone number (Required), fax number, and email address (Required) of the person to contact on matters related to this application.		State intergovernmental review process. Select the appropriate box. If "a." is selected, enter the date the application was submitted to the State																								
		20.	Is the Applicant Delinquent on any Federal Debt? (Required) Select the appropriate box. This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes. If yes, include an explanation on the continuation sheet.																								
9.	Type of Applicant: (Required) Select up to three applicant type(s) in accordance with agency instructions.	21.	Authorized Representative: (Required) To be signed and dated by the authorized representative of the applicant organization. Enter the name (First and last name required) title (Required), telephone number (Required), fax number, and email address (Required) of the person authorized to sign for the applicant. A copy of the governing body's authorization for you to sign this application as the official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.)																								
	<table border="0"> <tr> <td>A. State Government</td> <td>M. Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)</td> </tr> <tr> <td>B. County Government</td> <td>N. Nonprofit without 501C3 IRS Status (Other than Institution of Higher Education)</td> </tr> <tr> <td>C. City or Township Government</td> <td>O. Private Institution of Higher Education</td> </tr> <tr> <td>D. Special District Government</td> <td>P. Individual</td> </tr> <tr> <td>E. Regional Organization</td> <td>Q. For-Profit Organization (Other than Small Business)</td> </tr> <tr> <td>F. U.S. Territory or Possession</td> <td>R. Small Business</td> </tr> <tr> <td>G. Independent School District</td> <td>S. Hispanic-serving Institution</td> </tr> <tr> <td>H. Public/State Controlled Institution of Higher Education</td> <td>T. Historically Black Colleges and Universities (HBCUs)</td> </tr> <tr> <td>I. Indian/Native American Tribal Government (Federally Recognized)</td> <td>U. Tribally Controlled Colleges and Universities (TCCUs)</td> </tr> <tr> <td>J. Indian/Native American Tribal Government (Other than Federally Recognized)</td> <td>V. Alaska Native and Native Hawaiian Serving Institutions</td> </tr> <tr> <td>K. Indian/Native American Tribally Designated Organization</td> <td>W. Non-domestic (non-US) Entity</td> </tr> <tr> <td>L. Public/Indian Housing Authority</td> <td>X. Other (specify)</td> </tr> </table>	A. State Government	M. Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)	B. County Government	N. Nonprofit without 501C3 IRS Status (Other than Institution of Higher Education)	C. City or Township Government	O. Private Institution of Higher Education	D. Special District Government	P. Individual	E. Regional Organization	Q. For-Profit Organization (Other than Small Business)	F. U.S. Territory or Possession	R. Small Business	G. Independent School District	S. Hispanic-serving Institution	H. Public/State Controlled Institution of Higher Education	T. Historically Black Colleges and Universities (HBCUs)	I. Indian/Native American Tribal Government (Federally Recognized)	U. Tribally Controlled Colleges and Universities (TCCUs)	J. Indian/Native American Tribal Government (Other than Federally Recognized)	V. Alaska Native and Native Hawaiian Serving Institutions	K. Indian/Native American Tribally Designated Organization	W. Non-domestic (non-US) Entity	L. Public/Indian Housing Authority	X. Other (specify)		
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L. Public/Indian Housing Authority	X. Other (specify)																										

KEY CONTACTS

AGENCY/ORGANIZATION DIRECTOR

(Individual authorized to sign the assistance agreement application and award acceptance.)

NAME: Jim Reynolds

TITLE: Executive Director

ADDRESS: 1100 Kennedy Drive
Key West, FL 33040

TELEPHONE: 305-295-2200 EMAIL jreynolds@fkaa.com

PROGRAM/PROJECT DIRECTOR

(Technical program director or person responsible for the project as a contact person in Block #5 of the application.)

NAME: Tom Walker

TITLE: Director of Engineering

ADDRESS: 1100 Kennedy Drive
Key West, FL 33040

TELEPHONE: 305-295-2140 EMAIL twalker@fkaa.com

FINANCE DIRECTOR

(Individual responsible for maintaining the accounting and financial management system supporting expenditures, preparing the financial reports, etc.)

NAME: Kerry Shelby

TITLE: Deputy Executive Director

ADDRESS: 1100 Kennedy Drive
Key West, FL 33040

TELEPHONE: 305-295-2230 EMAIL kshelby@fkaa.com

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

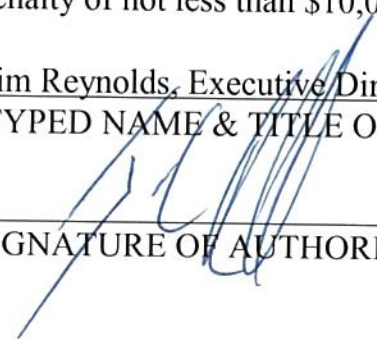
(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Jim Reynolds, Executive Director

TYPED NAME & TITLE OF AUTHORIZED REPRESENTATIVE


SIGNATURE OF AUTHORIZED REPRESENTATIVE

3/22/10
DATE

____ I am unable to certify to the above statements. My explanation is attached.

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10.
 - (a) Enter the full name, address, city State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.
 - (b) Enter the full names of the individual(s) performing services, and include full address if different from 10(a). Enter Last Name, and Middle Name (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minute per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352
(See reverse for public burden disclosure.)

0348-0046

1. Type of Federal Action:	2. Status of Federal Action:	3. Report Type:
4. Name and Address of Reporting Entity Congressional District, <i>if known</i> :		5. If Reporting Entity in No. 4 is a Sub-Awardee, Enter Name and Address of Prime: Congressional District, <i>if known</i> :
6. Federal Department/Agency:		7. Federal Program Name/Description: CFDA Number, if applicable: _____
8. Federal Action Number, if known:		9. Award Amount, if known: \$
10. a. Name and Address of Lobbying Registrant (if individual, last name, first name, MI):		b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI):
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.		Signature: Print Name: Title: Telephone No: _____ Date: _____
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev 4-2012)

ASSURANCES - CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application. 2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives. 3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project. 4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications. 5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and | <ol style="list-style-type: none"> 8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F). 9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures. 10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) 523 and 527 of the Public Health Service Act of |
|---|--|

specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State. 6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency. 7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.	1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. 3601 et seq.), as amended relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases. 12. Will comply with the provisions of the Hatch Act (5 U.S.C. 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds. 13. Will comply, as applicable, with the provision of the Davis-Bacon Act (40 U.S.C. 276a to 276a-7), the Copeland Act (40 U.S.C. 276c and 18 U.S.C.874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333) regarding labor standards of federally assisted construction sub-agreements. 14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more. 15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the	National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in flood plains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205). 16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system. 17. Will assist the awarding agency in assuring

compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).

18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

TITLE

APPLICANT ORGANIZATION

DATE SUBMITTED

BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION		a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1.	Administrative and legal expenses	\$ 125,000	\$	\$ 125,000
2.	Land, structures, rights-of-way, appraisals, etc.	\$ 200,000	\$	\$ 200,000
3.	Relocation expenses and payment	\$ -	\$	\$ -
4.	Architectural and engineering fees	\$ 542,495	\$	\$ 542,495
5.	Other architectural and engineering fees	\$ 250,000	\$	\$ 250,000
6.	Project inspection fees	\$ 150,000	\$	\$ 150,000
7.	Site work	\$	\$	\$
8.	Demolition and removal	\$	\$	\$
9.	Construction	\$ 3,200,000	\$	\$ 3,200,000
10.	Equipment	\$ 75,000	\$	\$ 75,000
11.	Miscellaneous	\$ 25,000	\$	\$ 25,000
12.	SUBTOTAL (sum of lines 1-11)	\$ 4,567,495	\$	\$ 4,567,495
13.	Contingencies	\$ 300,000	\$	\$ 300,000
14.	SUBTOTAL	\$ 4,867,495	\$	\$ 4,867,495
15.	Project (program) income	\$ -	\$	\$ -
16.	TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 4,867,495	\$	\$ 4,867,495

FEDERAL FUNDING

17.	Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.)	Enter eligible costs from line 16c Multiply
X	75 % Enter the resulting Federal share.	\$ 3,650,621

Previous Edition Usable
Authorized for Local ReproductionStandard Form 424C (Rev 4-2012)
Prescribed by OMB Circular A-102

EPA Form 4700-4 (Rev. 04/2009). Previous editions are obsolete.

Instructions for EPA FORM 4700-4 (Rev. 04/2009)

General

Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment).

Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities.

Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities.

The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission.

Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution.

40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972.

40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973.

The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items

"Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed.

"Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability.

Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission.

If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable."

In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification.

* Questions VII – XI are for informational use only and will not affect an applicant's grant status. However, applicants should answer all questions on this form. (40 C.F.R. Parts 5 and 7).

** Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

Approval indicates, in the reviewer's opinion, questions I – VI of Form 4700-4 comply with the preaward administrative requirements for EPA assistance.

"Burden Disclosure Statement"

EPA estimates public reporting burden for the preparation of this form to average 30 minutes per response. This estimate includes the time for reviewing instructions, gathering and maintaining the data needed and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to U.S. EPA, Attn: Collection Strategies Division (MC 2822T), Office of Information Collection, 1200 Pennsylvania Ave., NW, Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

The information on this form is required to enable the U.S. Environmental Protection Agency to determine whether applicants and prospective recipients are developing projects, programs and activities on a nondiscriminatory basis as required by the above statutes and regulations.

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Work Plan

Decentralized Wastewater Treatment Demonstration Project Monroe County, Florida

Project Summary:

This project is to provide a demonstration of decentralized wastewater treatment in the lower Florida Keys, unincorporated Monroe County, which will serve as management information resource/example of the capabilities and advantages of decentralized treatment systems with centralized management. The project will utilize onsite/decentralized treatment technologies designed to achieve the high levels of wastewater treatment required (including nutrient removal) by the State of Florida laws and regulations for Monroe County. The project will be implemented in several phases including planning, design, construction, monitoring, and reporting of results. Due to the high level of Agency involvement, the funding instrument for this project will be a Cooperative Agreement.

Introduction:

Monroe County, and FKAA have partnered through Interlocal Agreement(s), to provide wastewater conveyance and treatment strategies that will comply with the Monroe County Master Plan and the standards mandated by the Florida Legislature. The cost-effectiveness of various strategies has been evaluated and centralized sewer will be provided to the majority population where cost-effective. Those decentralized areas where centralized sewer is not deemed cost-effective are termed "Cold Spot Areas", and are the areas targeted for EPA funding.

This application for EPA funding is to provide upgraded decentralized wastewater treatment to the population of the unincorporated Monroe County "Cold Spot" areas in the lower keys. Please refer to **Figure 1** attached, for the general project location. **Figures 2-15**, also attached, shows the project areas in more detail.

The area is primarily residential. Most of the wastewater generated in this community currently discharges to on-site septic-systems. These systems are not capable of treating wastewater to the standards mandated by the 1999 Florida Legislature; therefore, an upgrade of the wastewater management system is necessary.

The proposed decentralized wastewater system will be centrally managed by the Florida Keys Aqueduct Authority (FKAA), as an EPA Model 5 management entity. The proposal is for the FKAA to replace onsite systems in areas not scheduled to be provided with central sewer, with new DOH approved BAT systems and provide complete management of those systems.

The plan being discussed with Monroe County and DOH includes an "Opt In / Opt Out" provision for the residents in the decentralized areas. This provision will give the residents a choice to be included in FKAA's utility structure for servicing decentralized, on-site systems. If a resident opts in, then FKAA will design, permit, construct, operate and maintain the system. In return, the resident will pay an assessment for building the system and monthly wastewater utility fees to the FKAA. If the resident opts out, they will be responsible on their own to meet state standards, as currently mandated. Under current state law, all onsite systems in the Florida Keys must be upgraded to performance based treatment systems, designed to provide advanced secondary treatment and nitrogen and phosphorus reductions.

Environmental, Public Health and Economic Impacts:

The negative environmental impact of inadequately treated wastewater discharges within the Florida Keys has

been the subject of numerous studies and legislative initiatives. The construction of centrally-managed wastewater treatment systems throughout Monroe County has been identified as the means of responding to the legislative mandates. All actions which preserve the Keys' habitats and natural beauty are both environmentally and economically significant, because Monroe County's local economy is in large part dependent upon tourism. Upgraded wastewater treatment also enhances public health protection.

Characteristics of the Selected Community:

The areas identified as the subject of this grant application are located in three primary locations:

Area 1 – Cudjoe Regional Service Area (Figures 2-13) extends from Lower Sugarloaf Key to Big Pine Key. The population density in this community is significantly lower than in other areas of Monroe County. Also enhancing the appropriateness of on-site systems in this area is the large lot size which results in long residential setbacks leading to long lateral service line connections if a centralized sewer system were to be provided. Additionally many roads are privately owned and require extensive acquisition of easements from non-occupied lot owners providing an additional impediment to centralized sewer systems. Approximately 300 residential units are located within the selected area, including the residences associated with an area not served by centralized electrical power. There are also a small number of commercial establishments in the subject area including a military installation and an airport.

Area 2 – Big Coppitt Service Area (Figure 14) has a few remaining on-site systems that will be evaluated to determine if any of these systems are reasonable to include in the work plan analysis.

Area 3 – Long Key Service Area (Figure 15) has a combined number of 21 on-site systems on the east and west ends of the island. The center of the island (City of Layton) is served by a small BAT WWTP owned by FKAA. This facility is too far away to cost-effectively serve both extreme ends of the island, thus the plan to potentially maintain a certain number of the on-site systems on this island.

Onsite systems to provide upgraded wastewater treatment to this decentralized community would be a permanent solution to wastewater management.

The scope of this joint program does not include systems that serve offshore islands. There are a handful of small, private islands scattered throughout the Florida Keys with individual residences. These houses must also meet state wastewater standards, yet they are neither convenient nor critical for inclusion in this study.

Technology:

The Monroe County Master Plan identified on-site systems as the most cost-effective means of satisfying the 2010 legislative requirements in this area, and as providing a permanent means of providing wastewater treatment. Individual and clustered on-site wastewater nutrient reduction (OWNR) systems appear suitable applications in this area. The current technology specified consists of an aerobic biological nitrogen removal system coupled with a physical chemical phosphorus removal system and a subsurface drip irrigation and/or drain field system or injection well. Various systems designed to meet the Keys standards have been evaluated and approved for use by the Department of Health. Consideration will be given to those systems which have received an innovative permit from the Department of Health to allow evaluation under the Florida Keys' conditions. This program will also include the review of performance sample data collected by the Department of Health, from other relevant OWRN technologies.

The use of cluster systems may be evaluated and may, in some areas, be more cost effective and practical than individual systems. In these cases the wastewater collection and treatment system proposed in this grant application consists of an on-site component to collect wastewater, along with pressurized collection system piping leading to clustered treatment system components which will perform the wastewater treatment, including nutrient and total suspended solids (TSS) reduction, disinfection and effluent disposal. Configuring the treatment system components in this manner may have the following advantages:

- The utilization of pressurized piping allows various groups of residences to be clustered even in the case of semi-isolated properties or where low densities are unfavorable to centralized sewer systems.
- The utilization of pressurized piping allows flexibility in the placement of the clustered components of the treatment system, alleviating the space constraints that may arise if all components of each of the systems had to be positioned within the lots being serviced.
- Pressurized pipe is less expensive to install than vacuum or gravity mains. The pipe diameter can be smaller, and can be installed in shallow trenching with no grade or slope requirements.

Project Phases:

The project will be accomplished in the following Phases. The phases of the project are not all intended to be sequential; some of the Phases may occur concurrently due to the nature of the work or information being collected. The Agency will be working with the FKAA to assure that the different work tasks are accomplished at the appropriate time to achieve the goal of the demonstration. The phases may be repeated through the progression of the project as necessary.

Phase 1 - Planning and Existing System Evaluation

This phase will include development of the detailed scope of work for the initial work tasks. The scope for the demonstration project will consist of the following:

- survey and assessment of existing project area needs.
- identification of possible service areas for decentralized wastewater treatment.
- development of possible alternatives to meet the wastewater needs in those areas.
- identification of the centralized management structures/approach.
- Establish procedure for setting and collecting system assessments and operating fee structure
- preparation of a Project development report.
- Initial public outreach for engagement and input of effected residents in service area

Phase 1 will also evaluate, in collaboration with the Florida Department of Health (FDOH), the existing onsite decentralized systems in the subject service area that have been permitted by the FDOH to achieve the level of treatment standards per design criteria. The intended result of Phase 1 efforts will be to identify systems-technologies, and management strategies for utilization by the FKAA that achieve the required goals and are cost effective. Out of those systems/technologies and management strategies identified, a recommendation(s) for use in Phase 2 will be made.

Phase 2 – Design and Plan/Specification Preparation

Phase 2 will consist of the drafting of a conceptual design for the project based upon the Phase 1. The conceptual design will be worked up into a project design for the delineated project area and sub-areas. For the purpose of submission of this work plan, the subject community, as shown in **Figures 3 through 13**, have been divided into eleven areas for the purpose of planning conceptual construction. **Table 2**, below, lists the number of dwellings and facilities located in each area.

Table 2
Service Area Description

	Cold Spot EDUs to be converted	Cold Spot EDUs already converted	Notes
Area A Lower Sugarloaf	29	7	Airport included as commercial
Area B Upper Sugarloaf	26	4	
Area C Cudjoe	2	None	Includes blimp site and transfer station
Area D Summerland	9	None	Includes old shrimp farm
Area E Ramrod	5	3	
Area F Big Torch	55	17	
Area G Little Torch	1	1	
Area H,I,J Big Pine Key	113	17	
Area K No-Name Key	43	1 (tentative)	No electric power available
Big Coppitt	3	None	3 remote units near airbase
Long Key	21	None	City of Layton and Bahia Honda State Park are on central system
Totals	307	50	Total BAT wastewater flow to be converted is estimated to be approximately 60,000 gpd

The conceptual and project design will permit a staged implementation strategy for the construction elements of the project in order to permit an information feedback loop to subsequent construction stages. The conceptual/project design shall also address any right-of-way (ROW) and public or private land acquisition issues incurred as a result of the conceptual and project design. Plans and specifications for the project design including survey and geotechnical information, will be drafted, compiled, and prepared for project bidding.

Phase 3 – Public Meetings

A series of public meetings will be held to inform the public of the plans under the Project Agreement. Depending on public feedback, changes may be made to the project plan.

Phase 4 – RFP/Bid/Award

One or more requests for proposals (RFP) will be prepared and will include the project design, plans, and specifications. This phase includes bid solicitation and award. The FKAA may elect to construct and inspect systems using in-house resources.

Phase 5 – Construction

Phase 5 includes the staged construction of the project, based upon the project design, by the selected contractor(s) or FKAA.

Phase 6 – Startup/Monitoring/Management System Implementation

Phase 6 includes the start-up of the constructed systems. Following startup, a monitoring regimen will be implemented in order to monitor system efficacy. Centralized system management will also be implemented at the time of system start-up. Data will be collected on operation and maintenance costs, such as power required, chemicals, labor, etc., to provide an accurate picture of the total costs as well as the performance of these systems.

FKAA will evaluate remote monitoring for system operation. Since there will potentially be hundreds of these on-site systems under FKAA domain, a real-time monitoring system for tracking system status and disruptions will be an important means of providing responsive maintenance—services to residences in the managed, decentralized utility system.

Phase 7 – Project Documentation

This phase includes the preparation of project documentation and outreach materials to allow project information and accomplishments to be distributed. Documentation will include management entity organization, formation, issues, and other information to document the process and difficulties in implementing a Model V program. Outreach materials include a color brochure documenting the process and issues.

The deliverables will include a management plan which provides the roadmap for running this decentralized utility component.

Project Schedule

Start Date – 90 days following award of cooperative agreement (grant).

Completion date – 48 months following award of cooperative agreement (grant)

Project Costs

The total project budget is \$4,600,000, as shown on Application Form 424. These costs are general order-of-magnitude estimates which will be refined as the treatment system selection process progresses. The budget assumes 75% funding via the EPA program and a 25% match from FKAA (includes in-kind services for engineering and operations start-up services) to be applied to local customers of the proposed service. A more detailed explanation of some of the cost categories and related tasks is presented below.

Planning and Engineering Costs / Project Inspection Fees

- Preliminary Research which may include agency review and peer review; Easement acquisition, survey costs, geotechnical information, access agreements, licenses etc. to be acquired and recorded.
- Neighborhood workshops to exchange information with residents and to determine areas for system installations.
- Preparation of Detailed Conceptual Design Report.
- Preparation of RFP(s).
- Preparation of Final Design and Layout.
- Individual site plan preparation and Permitting.
- Engineering Services During Construction, final certification.
- Analytical and other monitoring costs.

Procurement and Construction Costs

Equipment purchase, installation, testing and startup, including any pilot study portion of the project. The construction implementation is based upon the fact that this area is a "cold spot" (an area where on-site systems are deemed to be the most cost effective wastewater management solution as defined in the Monroe County Wastewater Master Plan).

A 25% contingency will need to be included due to the highly variable and unknown field conditions.

Right-of-way acquisition, if necessary, will be included in the construction cost.

Refined cost estimates prepared during the Conceptual Design phase may indicate that other homes, could also be included in this project. The full extent of the area that could be serviced would not be known until Phase 1 is completed.

Startup and Management System Implementation

Costs will includes the operational start-up of the on-site systems. Costs will include labor, materials, testing and monitoring of the installed treatment units.

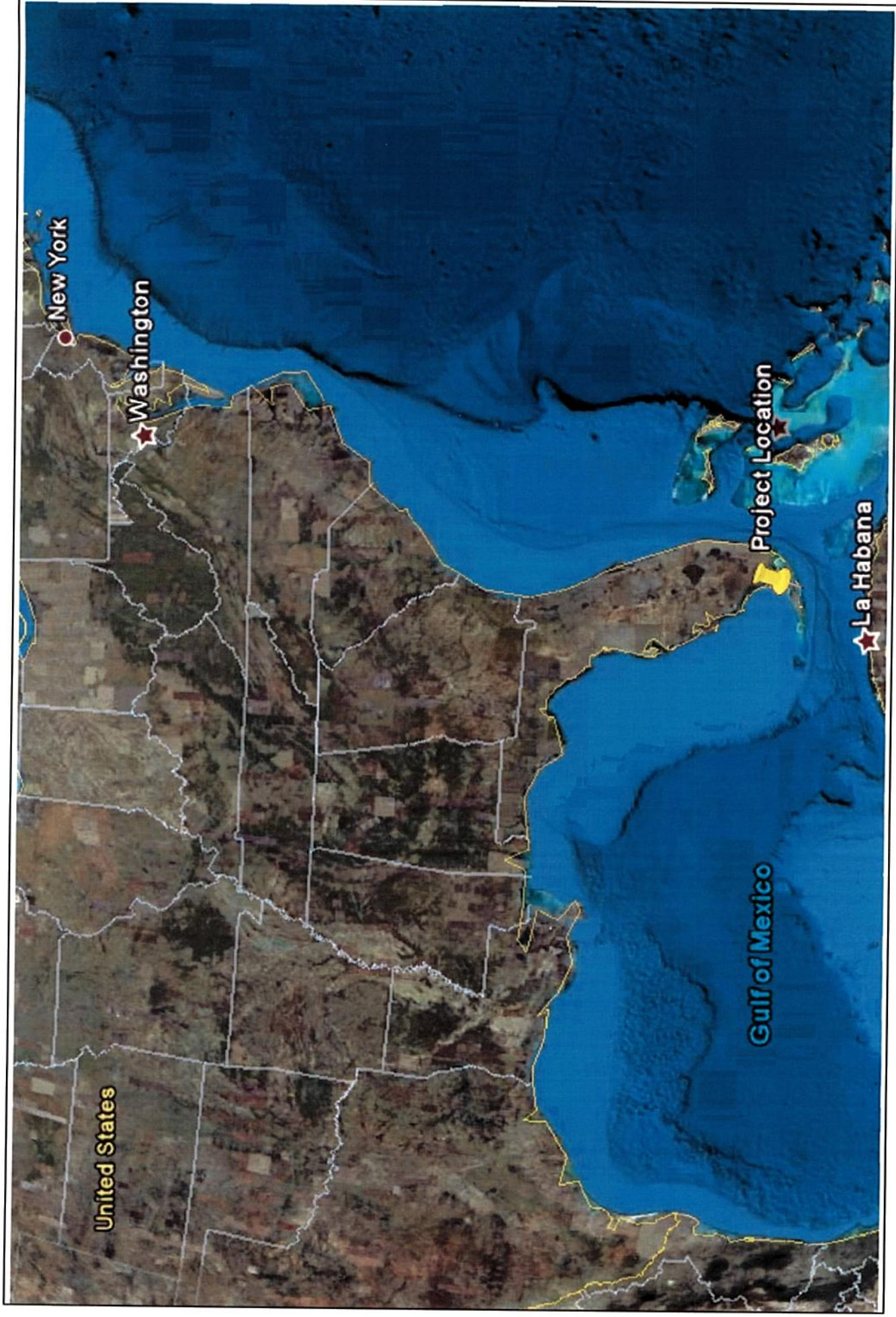
Project Documentation

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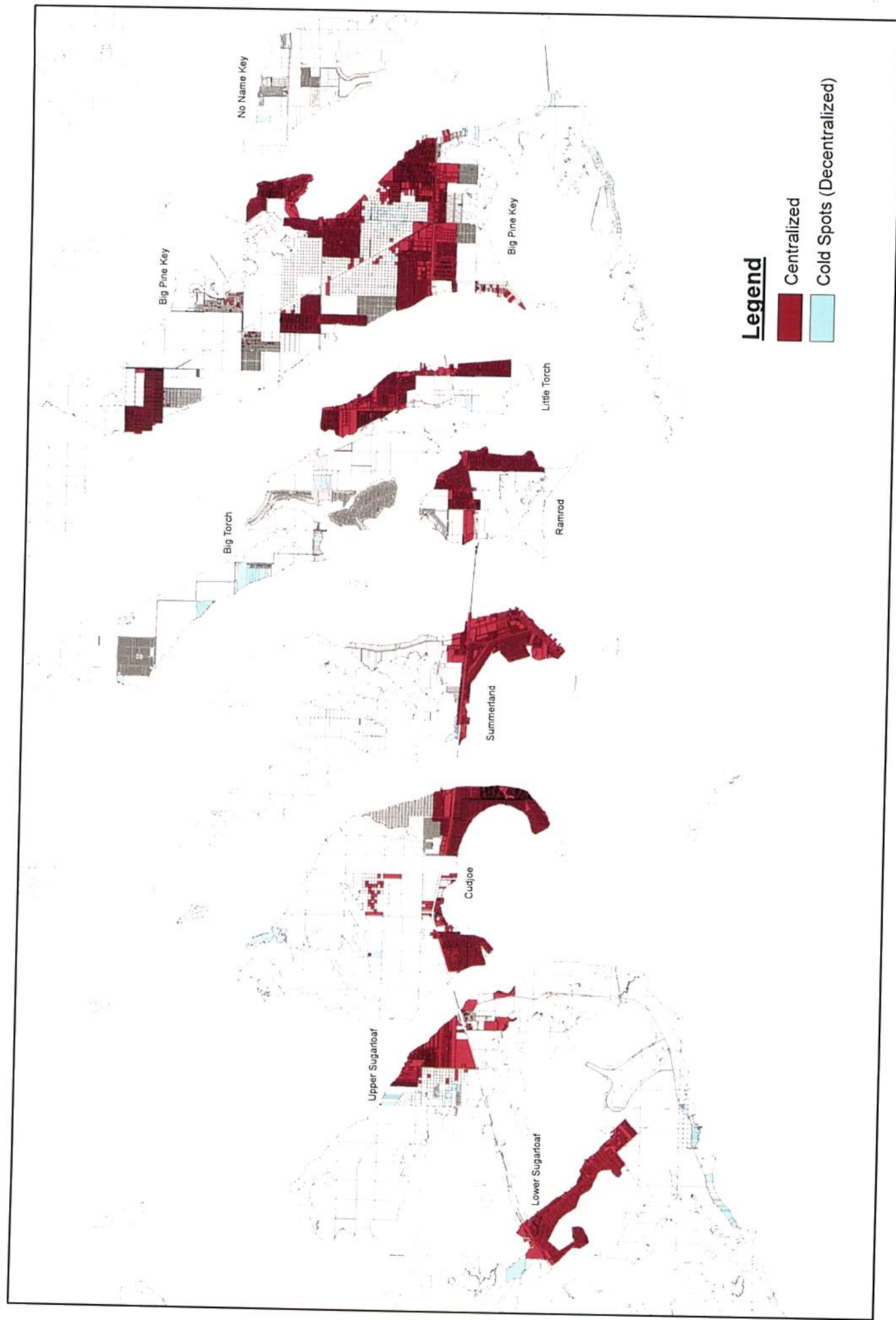
Budgeted Cost Summary

Budget Item	Budget Year	Estimated Budget	Local Share (25%)	EPA Grant Share (75%)
Planning/Evaluation/ Design	1	\$ 600,000	\$ 150,000	\$ 450,000
Procurement/Construction	2 & 3	\$ 3,800,000	\$ 691,874	\$ 3,108,126
Start-Up Program	4	\$ 367,495	\$ 300,000	\$ 67,495
Project Documentation	4	\$ 100,000	\$ 75,000	\$ 25,000
Total Estimated Budget		\$ 4,867,495	\$1,216,874	\$ 3,650,621



Cudjoe Regional Wastewater Service Area Location

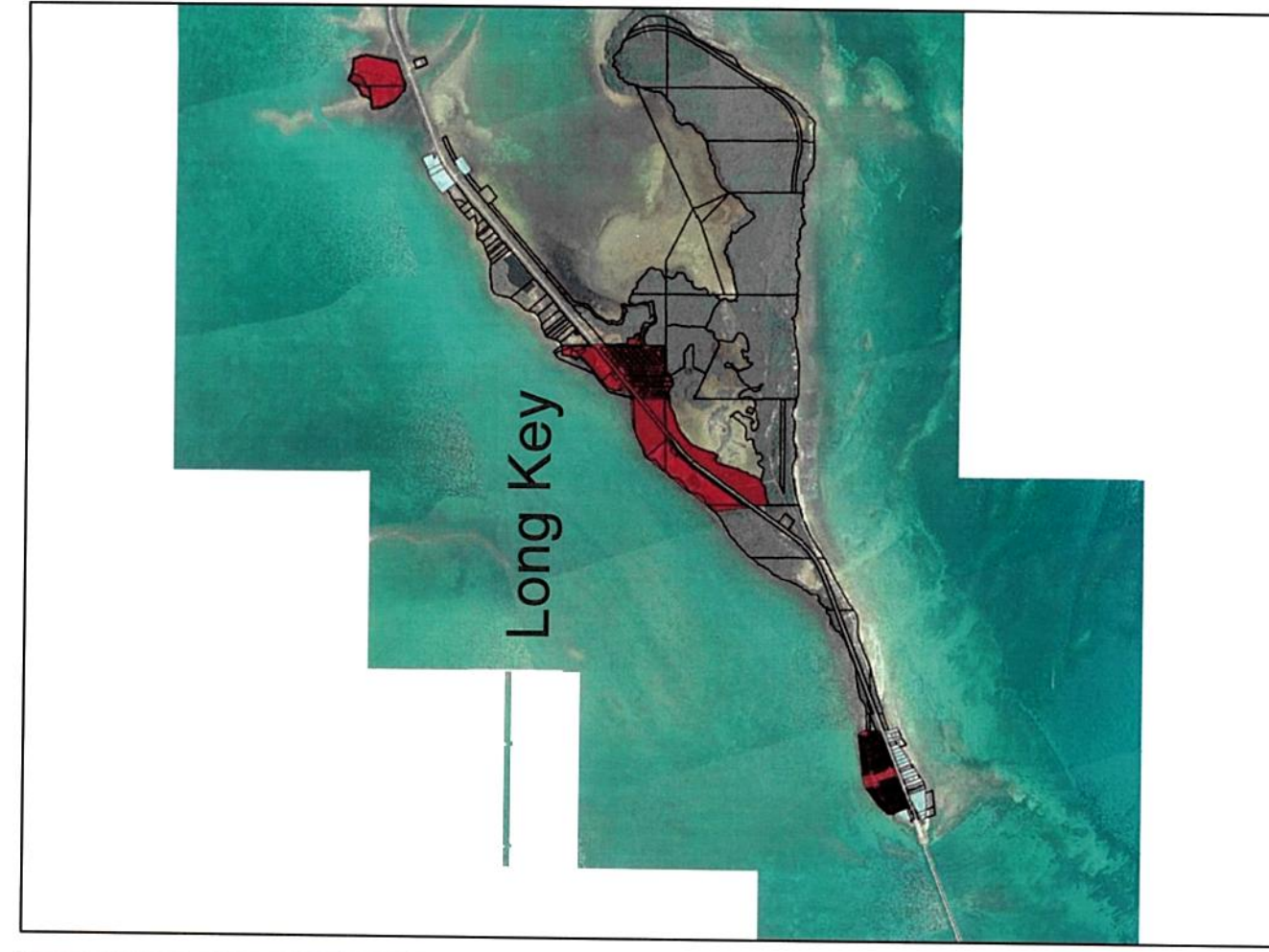
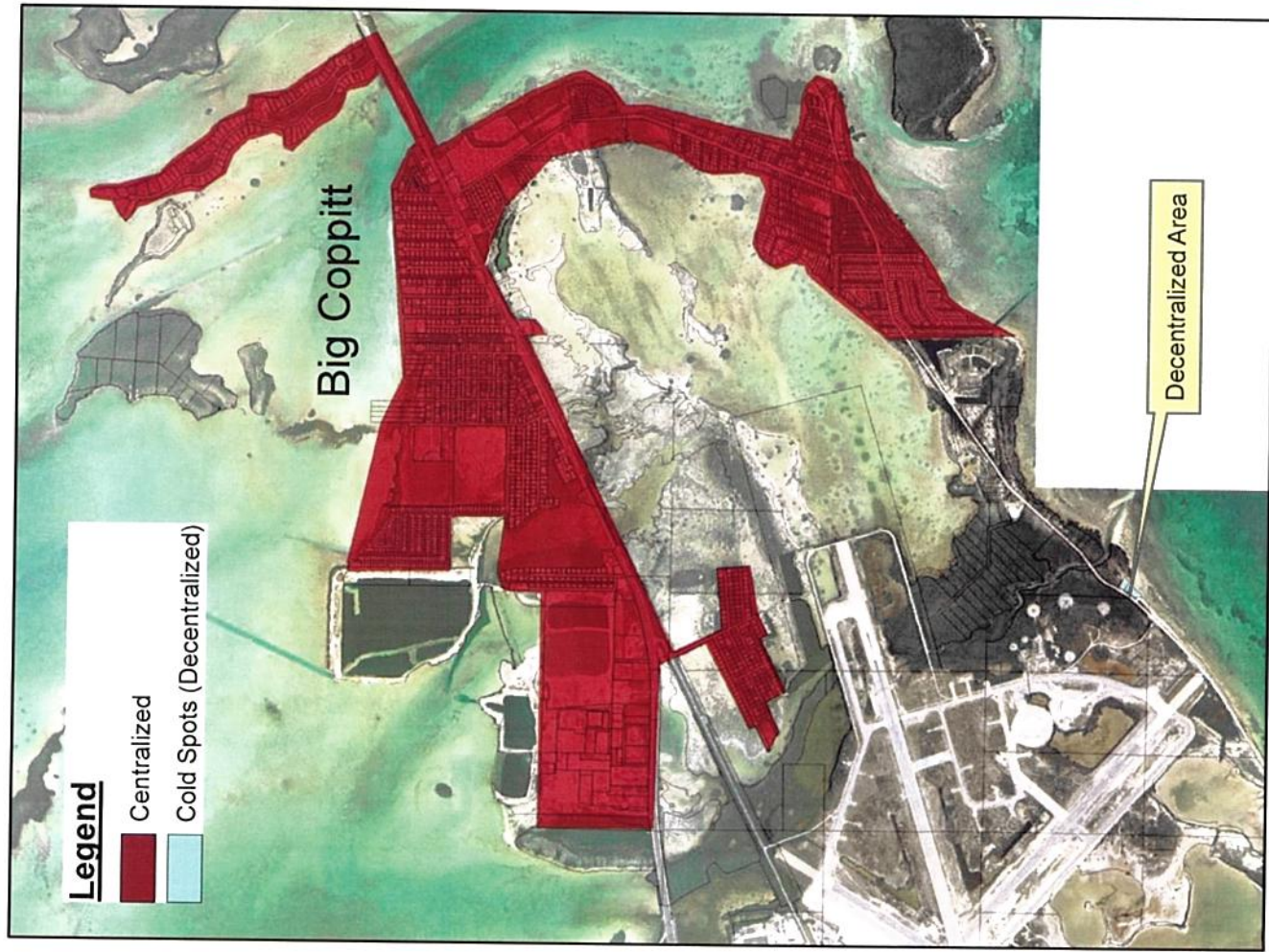
Not to scale - Maps to be used for general reference only



Cudjoe Regional Wastewater Service Area Location

Not to scale - Maps to be used for general reference only

Fig. 2



Other Areas

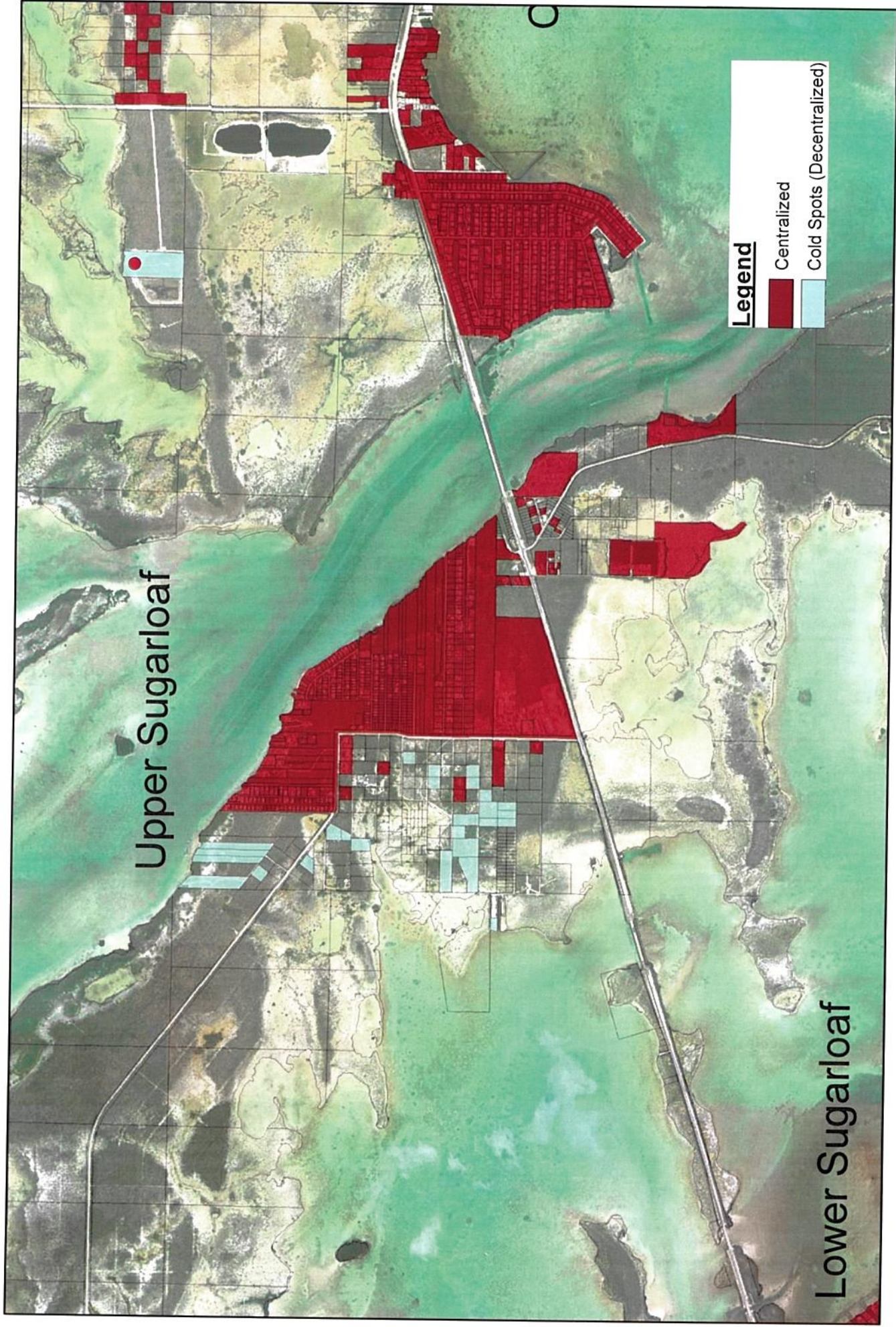
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Fig. 2a



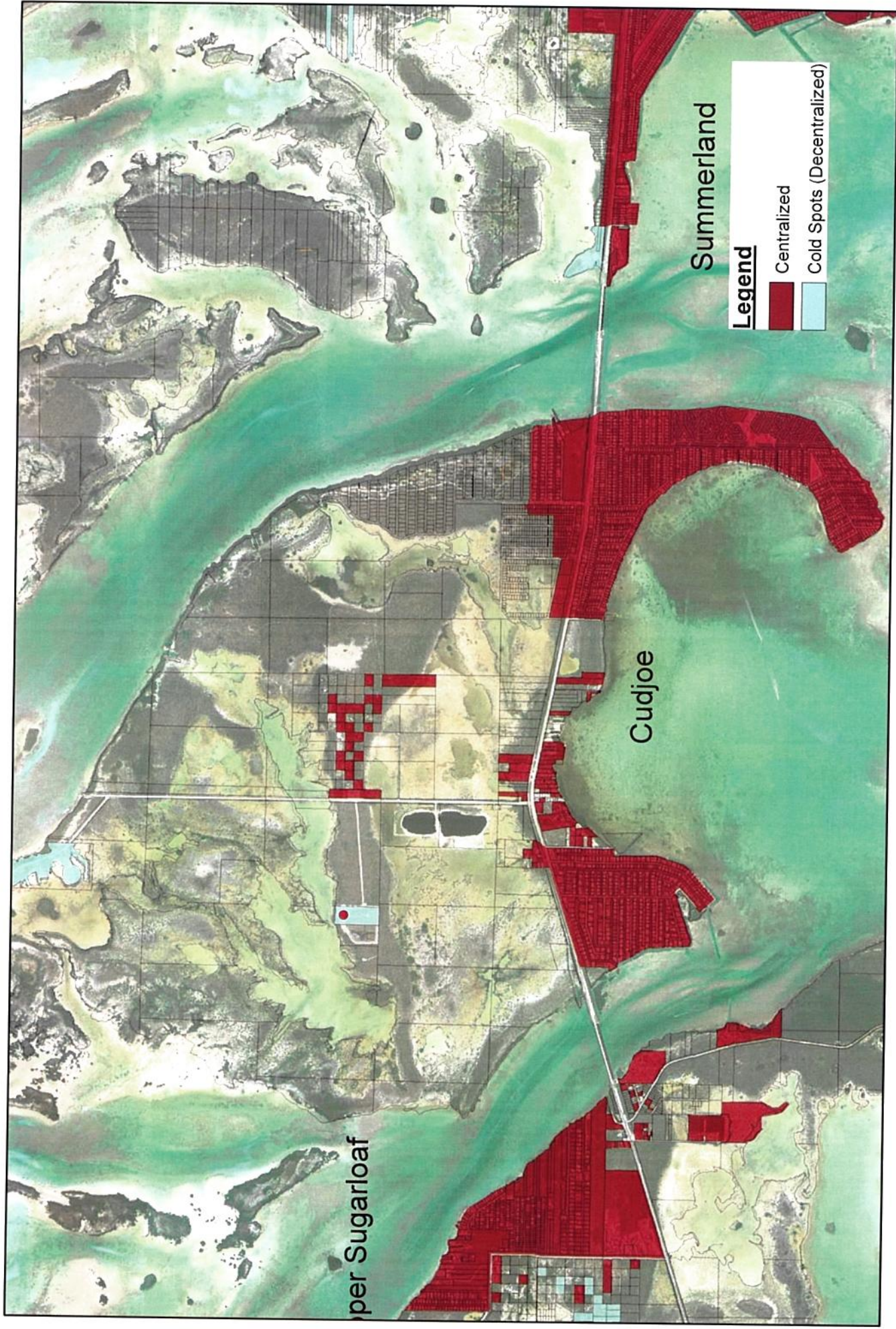
Cudjoe Regional Wastewater Service Area A

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Cudjoe Regional Wastewater Service Area B

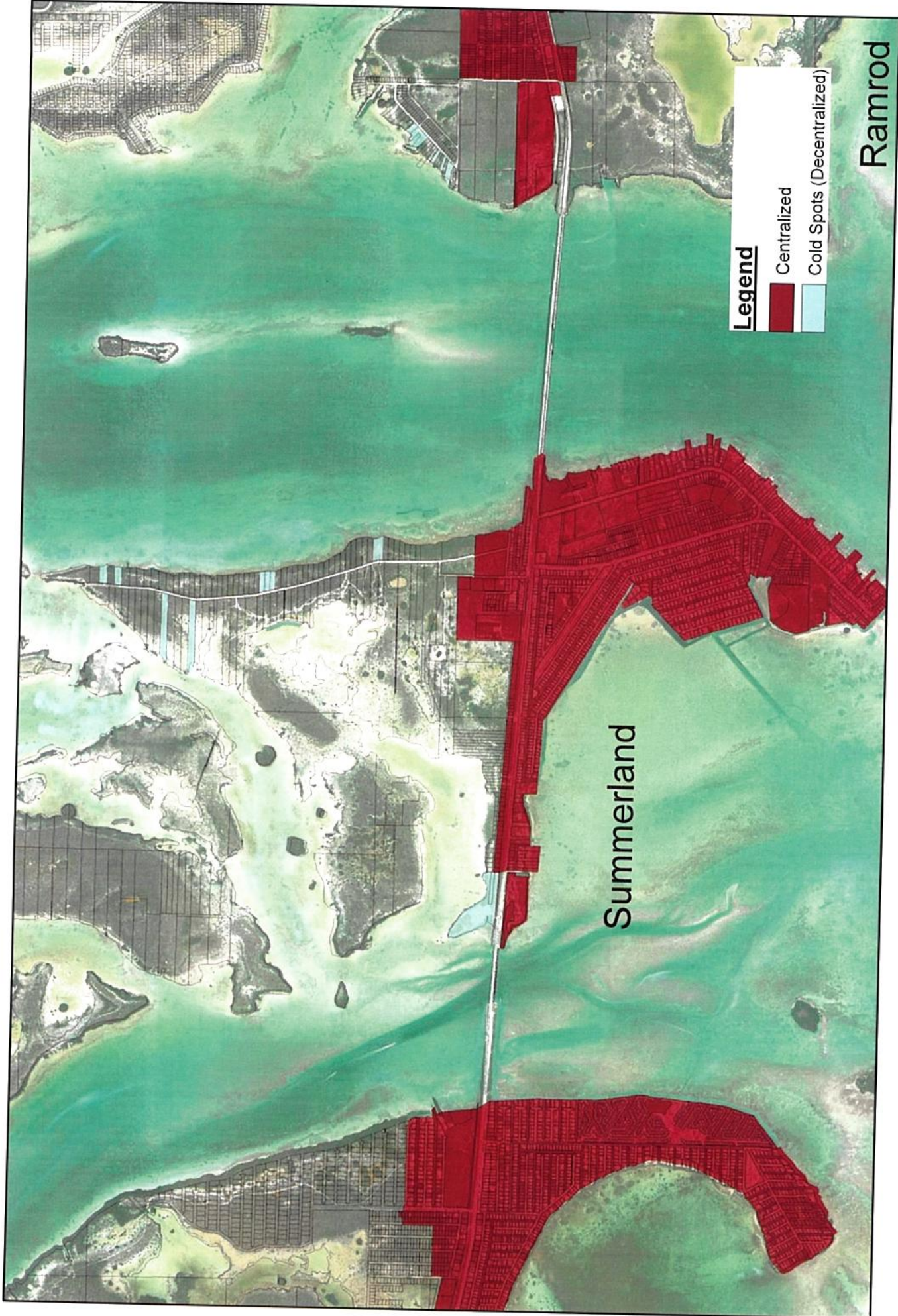
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Cudjoe Regional Wastewater Service Area C

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Fig. 5



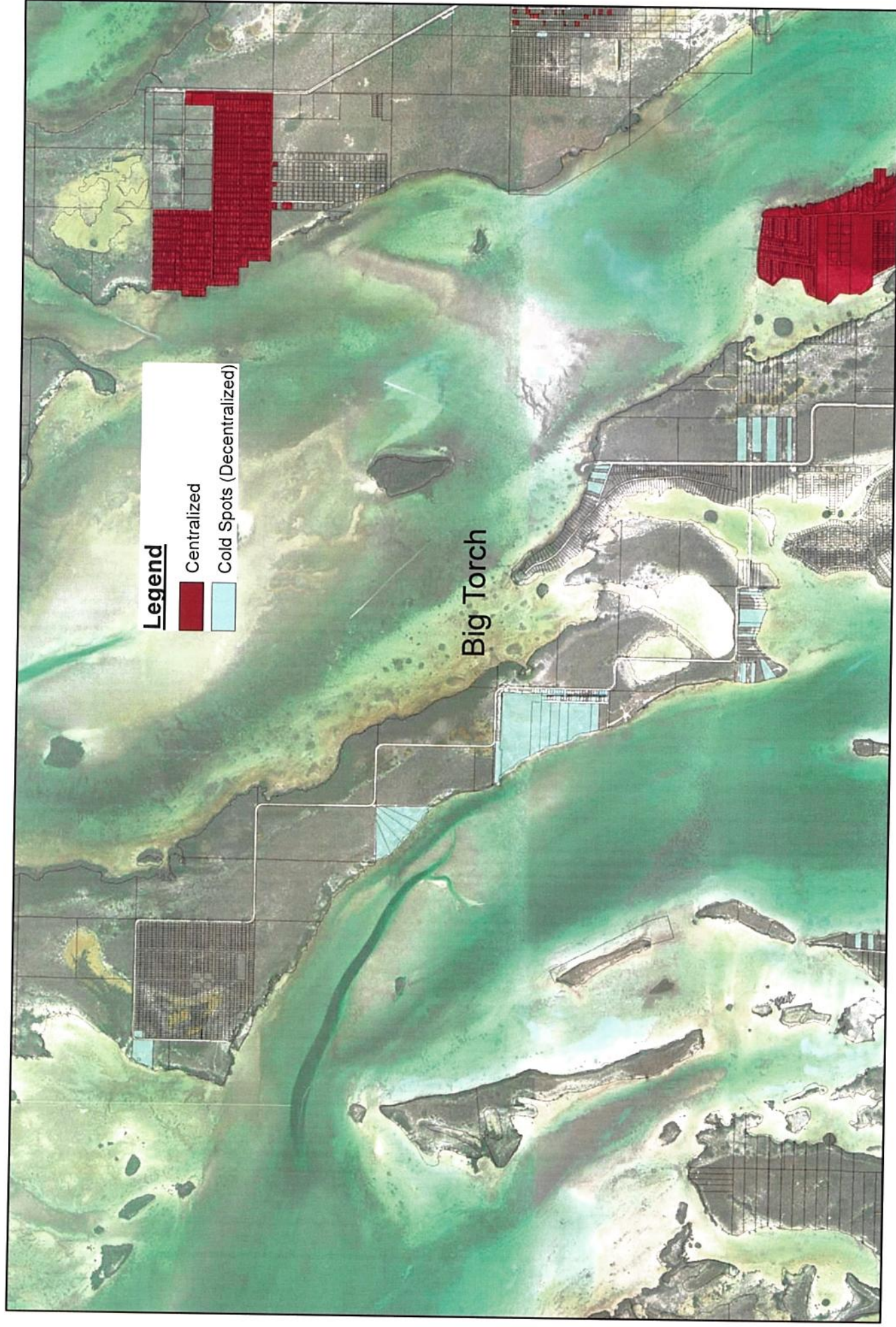
Cudjoe Regional Wastewater Service Area D

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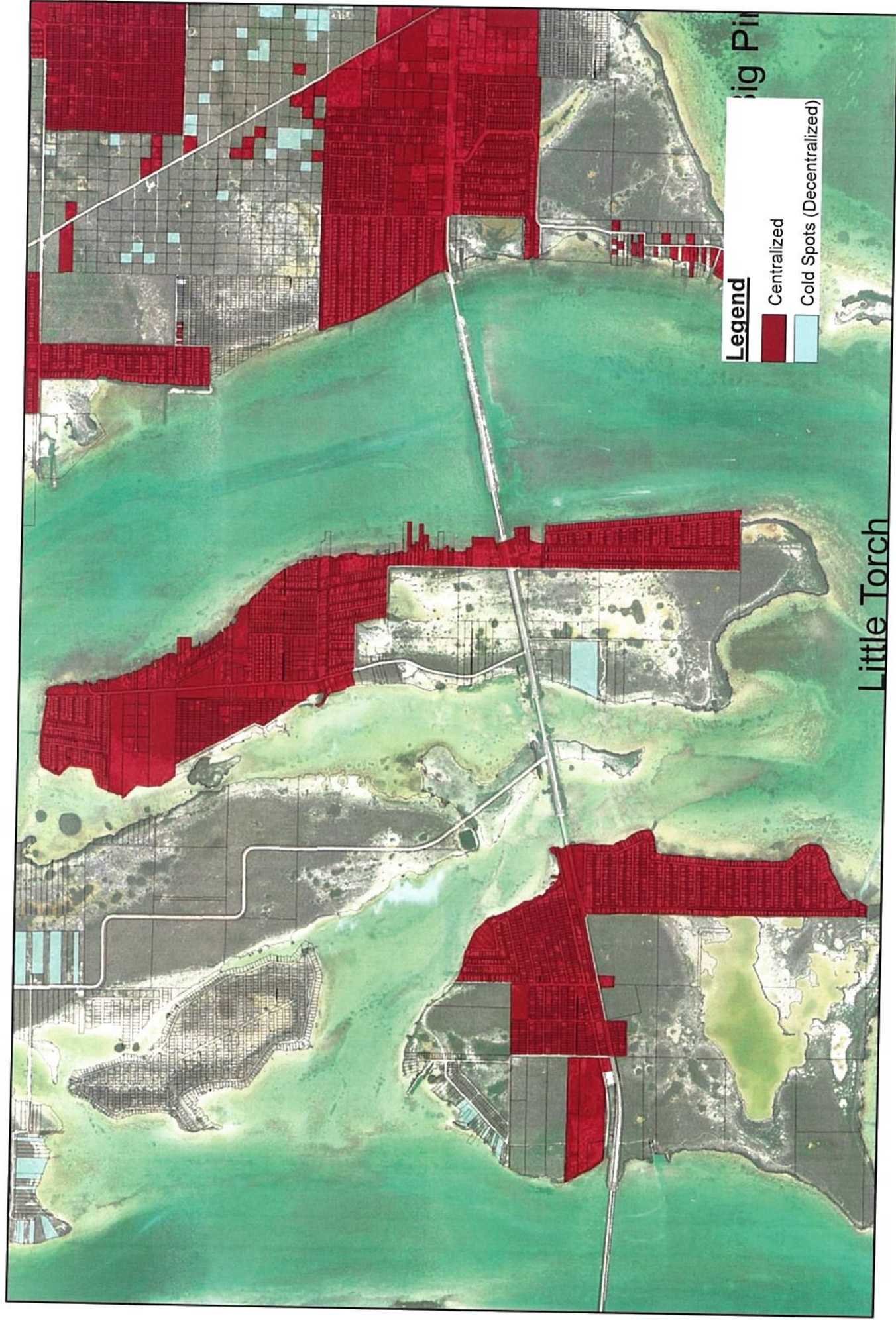
Cudjoe Regional Wastewater Service Area E

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Cudjoe Regional Wastewater Service Area F

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Cudjoe Regional Wastewater Service Area G

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Cudjoe Regional Wastewater Service Area H

Not to scale - Maps to be used for general reference only

Fig. 10



Other Areas - Big Coppitt

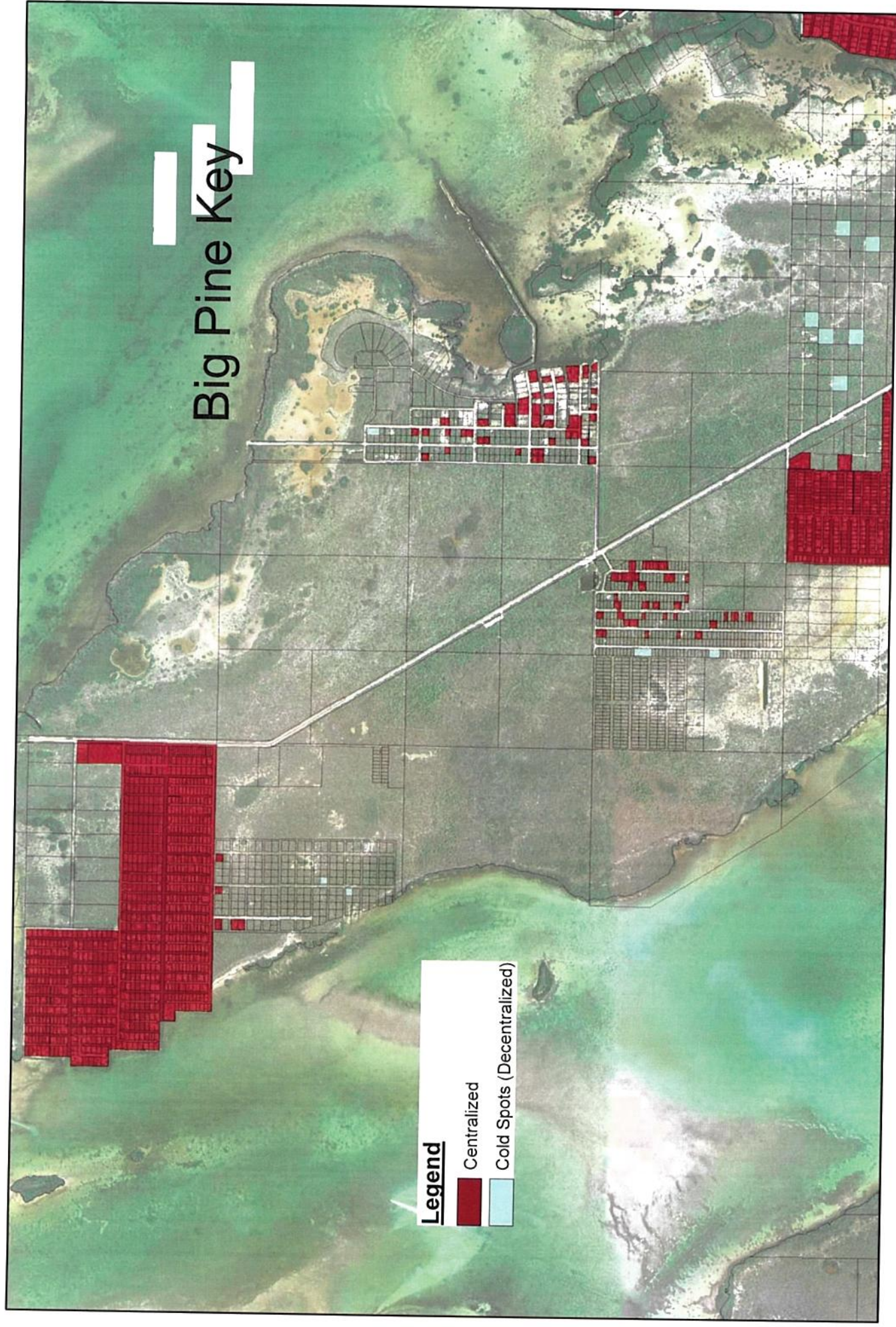
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Fig. 14



Cudjoe Regional Wastewater Service Area I

Not to scale - Maps to be used for general reference only



Cudjoe Regional Wastewater Service Area J

Not to scale - Maps to be used for general reference only

No Name Key



Cudjoe Regional Wastewater Service Area K

Not to scale - Maps to be used for general reference only

Fig. 13



Other Areas - Long Key

Not to scale - Maps to be used for general reference only