



CITRUS COUNTY
BOARD OF COUNTY COMMISSIONERS
MINUTES • JANUARY 19, 2021

Public Workshop

Citrus County Courthouse

9:30 AM

Room 100, 110 N. Apopka Avenue, Inverness, FL 34450

A. CALL TO ORDER

January 19, 2021 Citrus County Courthouse
The meeting was called to order at 9:30 AM

1. Invocation

Chairman Scott Carnahan led the invocation.

2. Pledge of Allegiance

3. Roll Call

Attendee Name	Title	Status	Arrived
Scott Carnahan	Chair, District 4	Present	
Ronald E. Kitchen Jr.	1st Vice Chair, District 2	Present	
Ruthie Davis Schlabach	2nd Vice Chair, District 3	Remote	
Jeff Kinnard D.C.	Commissioner District 1	Present	
Holly L. Davis	Commissioner, District 5	Present	
Denise A. Dymond Lyn	County Attorney	Remote	
Charles R. Oliver	County Administrator	Present	
Amy Charley	Deputy Clerk	Present	

B. WORKSHOP SOLID WASTE STRATEGY PLAN**B.1. Conduct a Workshop For Wastewater Treatment Feasibility Analysis**

Conduct a workshop on Tuesday, January 19th, at 9:30 a.m., for Water Resources to update the Board on the progress of the Wastewater Treatment Feasibility Analysis (septic to sewer).

Water Resources Director Ken Cheek and Nicole Hawker, Director of Public Relations and Communications Strategist with The Valerin Group, Inc. provided the presentation and responded to questions from the Board.

Mr. Cheek announced the future virtual meeting dates, then will come back to the Board in April 2021, and bring back a finalized report on May 13, 2021.

Mr. Cheek and County Administrator Charles R. Oliver continued to respond to questions from the Board.

C. OPEN TO THE PUBLIC

There were no public comments.

D. UPCOMING MEETINGS

- | |
|---|
| 1. Regular Meeting: January 19, 2021, at 1:00 PM , Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450 |
|---|

E. UPCOMING WORKSHOPS AND SPECIAL MEETINGS**F. ADJOURN**

The meeting was adjourned at 10:28 AM



AGENDA MEMORANDUM

FROM:	Ken Cheek, Director, Water Resources Department
SUBJECT:	Conduct a Workshop For Wastewater Treatment Feasibility Analysis
AGENDA DATE:	January 19, 2021

BRIEF OVERVIEW:

It is the intent of the Department of Water Resources to conduct a workshop with the BOCC for Tuesday, January 19th, 2021, at 9:30 a.m. The staff presentation will include the following:

- A review of the Basin Management Action Plans
- A review of past and current project phases and associated funding (FDEP, SWFWMD and Special Assessments)
- The goal of the ongoing Wastewater Treatment Facility Feasibility Analysis
- Preliminary results of the Feasibility Analysis

BUDGET IMPACT/FUNDING SOURCE:

Account No.	Account Title	Current Budget	YTD Expenditures	Encumbrances	Available Balance
					\$0

RECOMMENDED ACTION:

Conduct a workshop on Tuesday, January 19th, at 9:30 a.m., for Water Resources to update the Board on the progress of the Wastewater Treatment Feasibility Analysis (septic to sewer).

Wastewater Treatment Facility Feasibility Analysis

Attachment: WWTF A Presentation (12389 : Conduct a Workshop For Wastewater



CITRUS COUNTY'S NATURAL RESOURCES

- Home to Homosassa, Chassahowitzka, and Crystal River/Kings Bay springs group
- Nearly 100 springs in total
- Fed from Upper Floridan aquifer groundwater
- Tourism since early 1800s, drawing 500,000 people/year to Citrus County
- In 2019 tourism brought \$270 million in revenue
- 43% of visitors came for "manatee watching"

1947

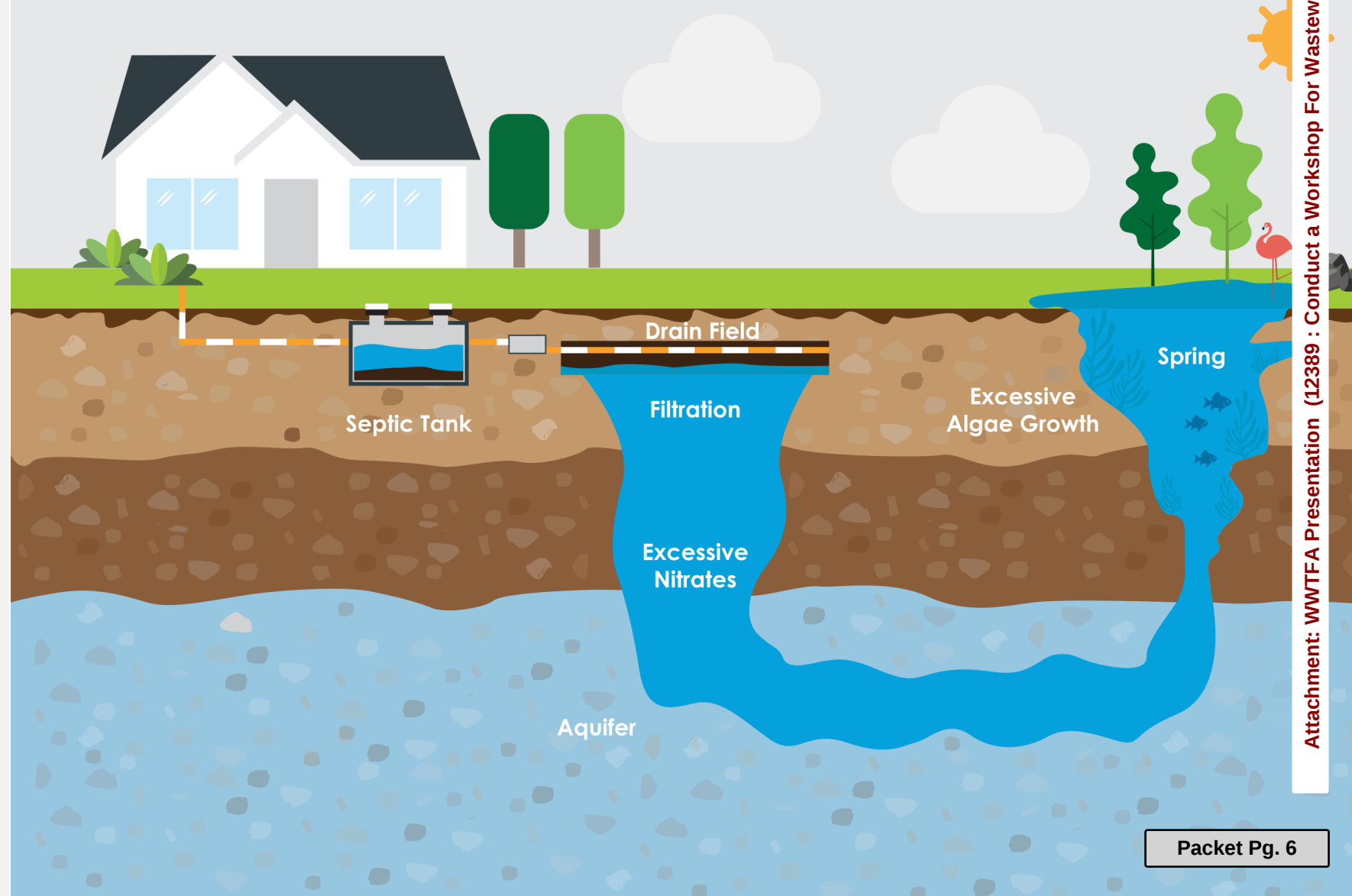
Homosassa Springs

SEPTIC SYSTEMS & THE ENVIRONMENT

- Approximately 41,000 septic systems currently installed
- Traditional septic system consists of septic tank and drain field
 - Proper installation above water table
 - Regular maintenance
 - Little wastewater treatment (N)
- Advanced septic systems include enhancements in tank/drain field
 - Proper installation
 - Regular maintenance
 - Includes mechanical parts
 - Higher level of treatment (N)

SLIDE B

How Septic Systems Impact Springs



B.1.a

Attachment: WWTF Presentation (12389) : Conduct a Workshop For Wastewater

Packet Pg. 6

SEPTIC-TO-SEWER INITIATIVES TO DATE



Attachment: WWTEFA Presentation (12389 : Conduct a Workshop For Wastewater

TMDL, BMAP, & PFA?

What is a TMDL (Total Maximum Daily Load)?

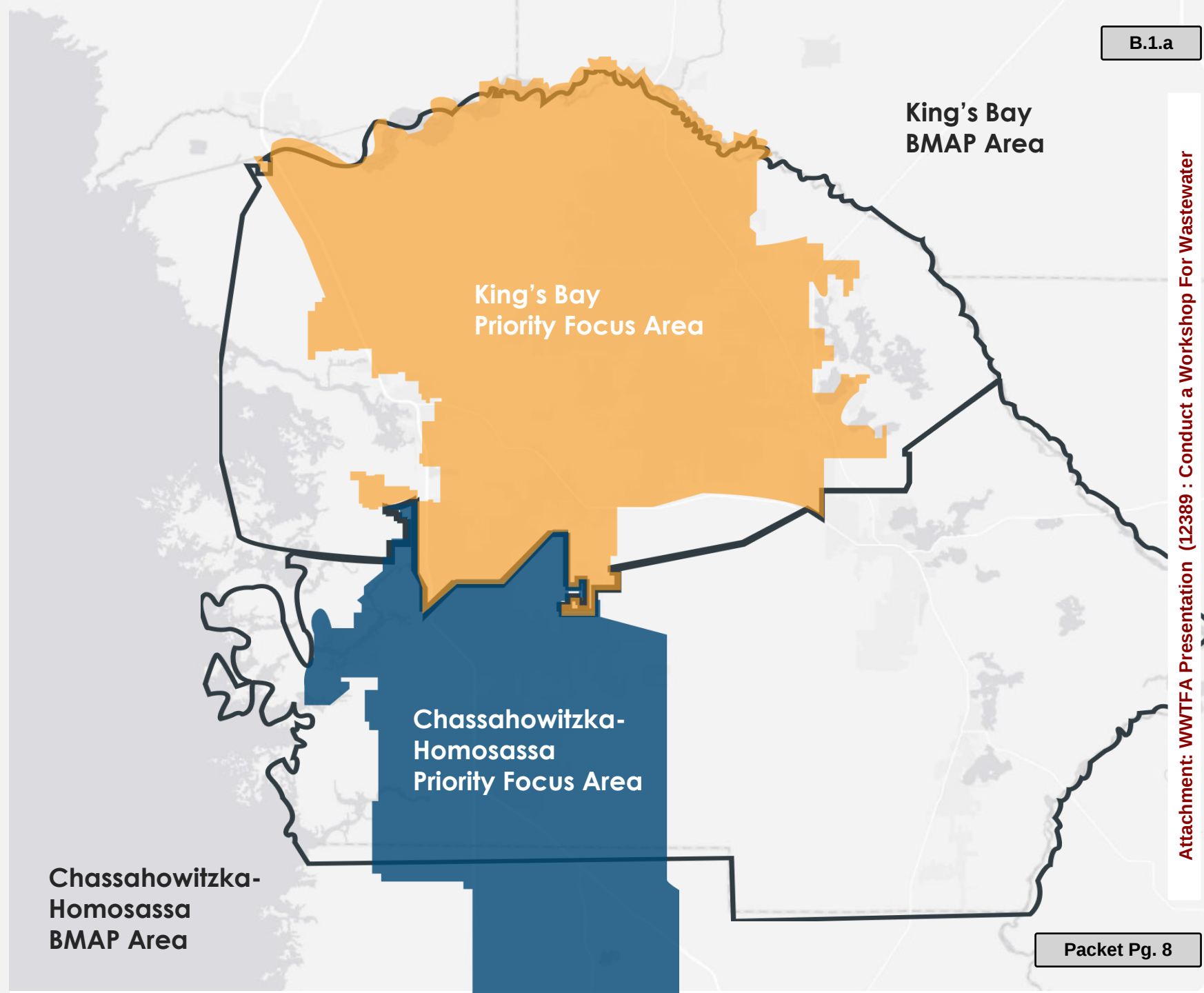
- Maximum amount of a pollutant allowed to enter a water body
- 0.23 mg/l for Nitrate

What is a BMAP (Basin Management Action Plan)?

- Plans developed to reduce pollutants in water bodies in order to meet the TMDL

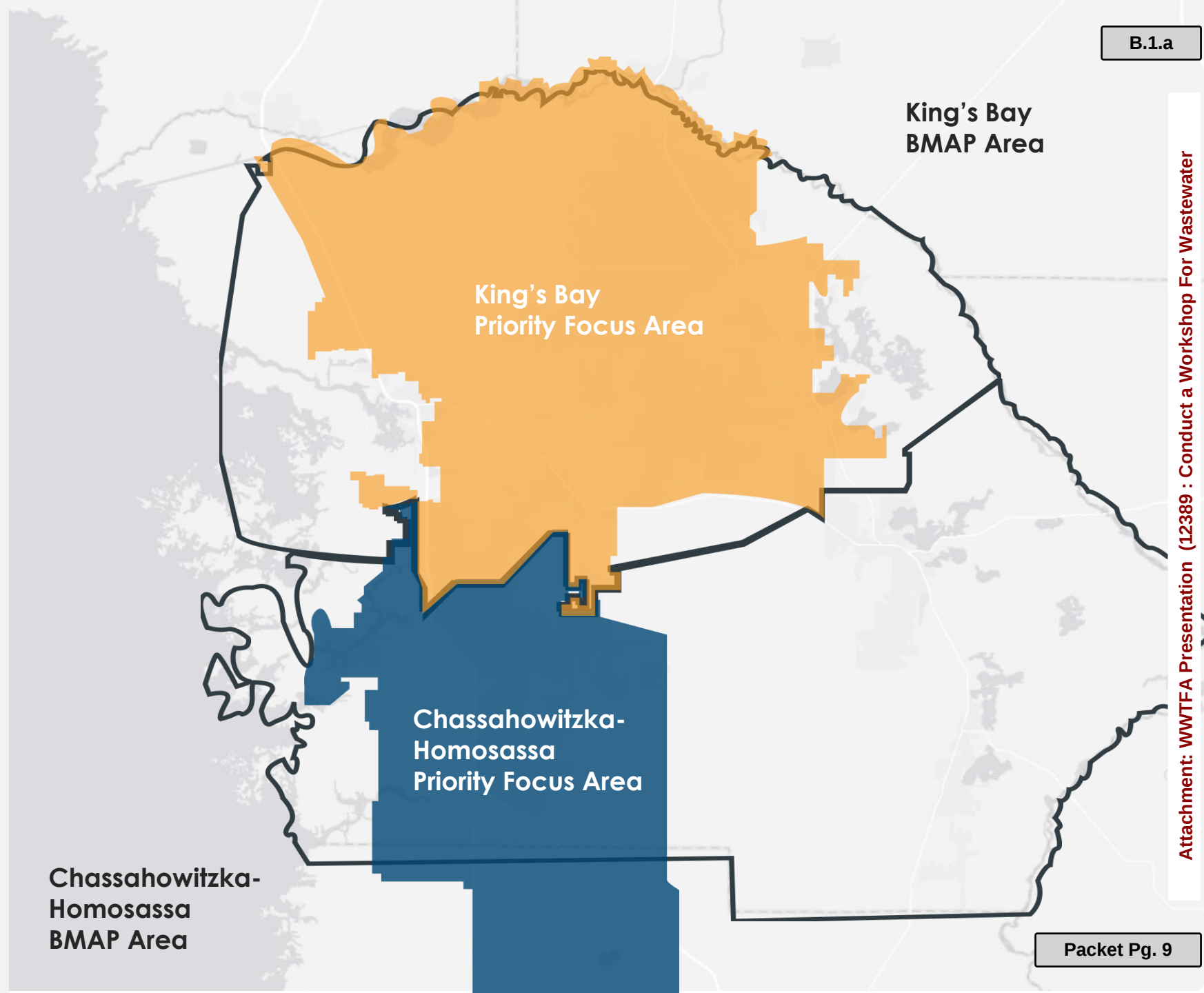
What is a PFA (Priority Focus Area)?

- The most critical area within the BMAP



BMAP OBJECTIVES

- Reduce nitrogen discharge from conventional septic systems
- Recommend areas to be served by upgraded septic systems or sewer
- Determine infrastructure improvements to accommodate additional wastewater flows
- Develop an implementation plan that minimizes costs and prioritizes areas to be served based on infrastructure



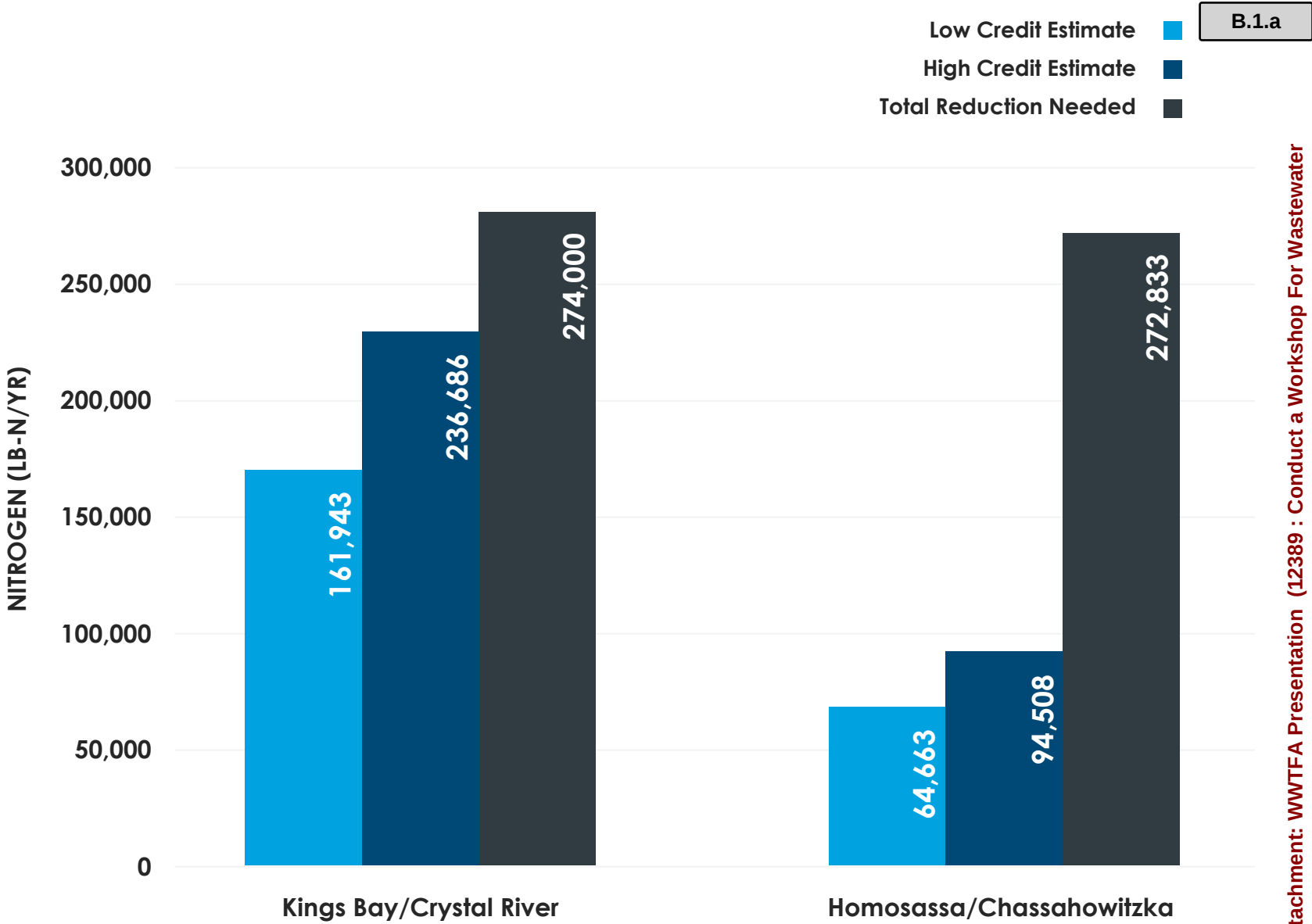
BMAP GOAL & REQUIREMENTS

Goal

- Develop a cost-effective plan to reduce the nitrogen load affecting our springs.

Requirements

- In BMAP areas
 - Limit nitrogen in wastewater treatment facility effluent
- In Priority Focus Areas
 - Limit new septic systems
 - Address existing septic systems



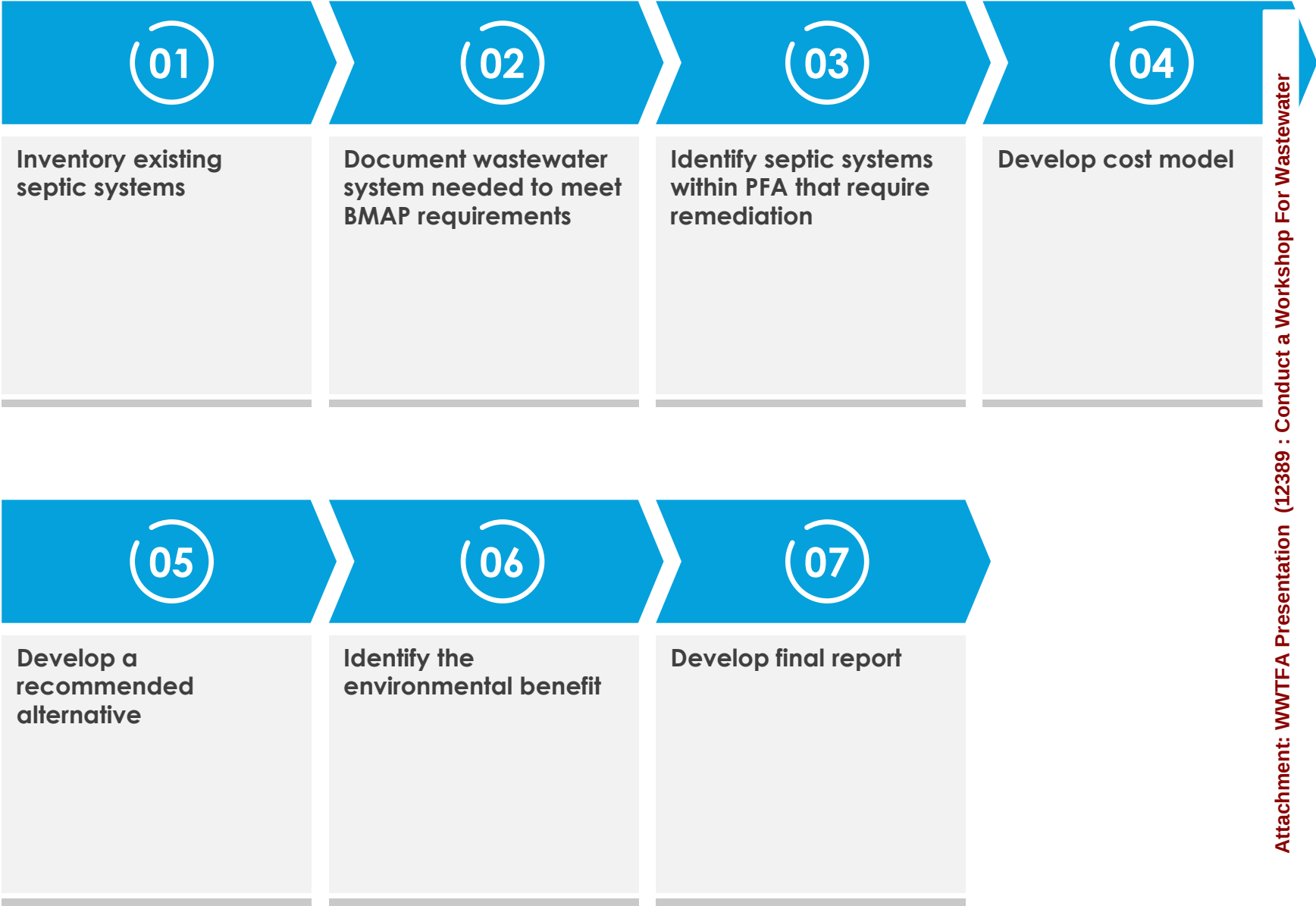
Attachment: WWTFEA Presentation (12389 : Conduct a Workshop For Wastewater

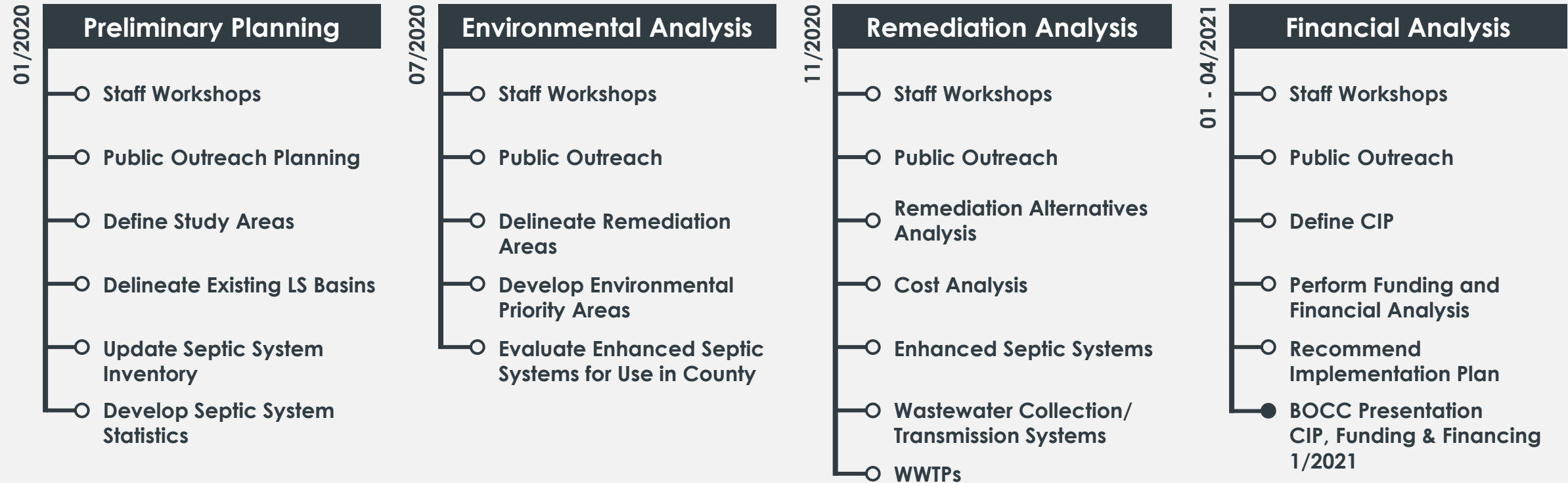


Credits are generated for reducing pollutants in water bodies.

FDEP WASTEWATER TREATMENT FEASIBILITY ANALYSIS

Study funded by FDEP for 9
counties with Class I Outstanding
Florida Springs (OFS)





Attachment: WWTFEA Presentation (12389 : Conduct a Workshop For Wastewater

PROJECT AREAS

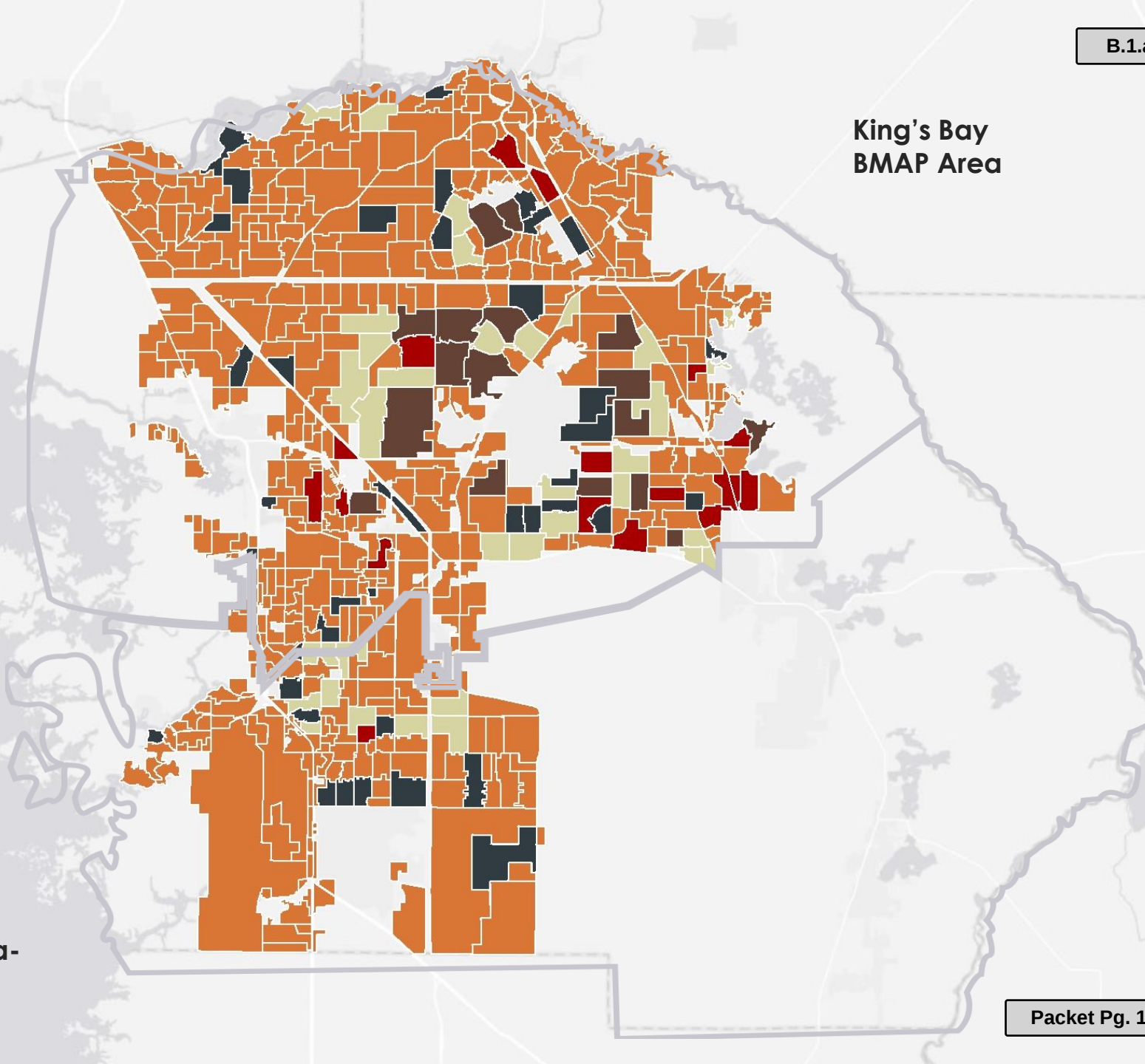
Environmental scoring criteria used to develop project areas

- Within the PFAs
- Nitrogen load per acre
- Average age of septic system
- Scored from least (1) to most (5) critical

1	(488)
2	(40)
3	(35)
4	(18)
5	(17)

Chassahowitzka-Homosassa
BMAP Area

King's Bay
BMAP Area

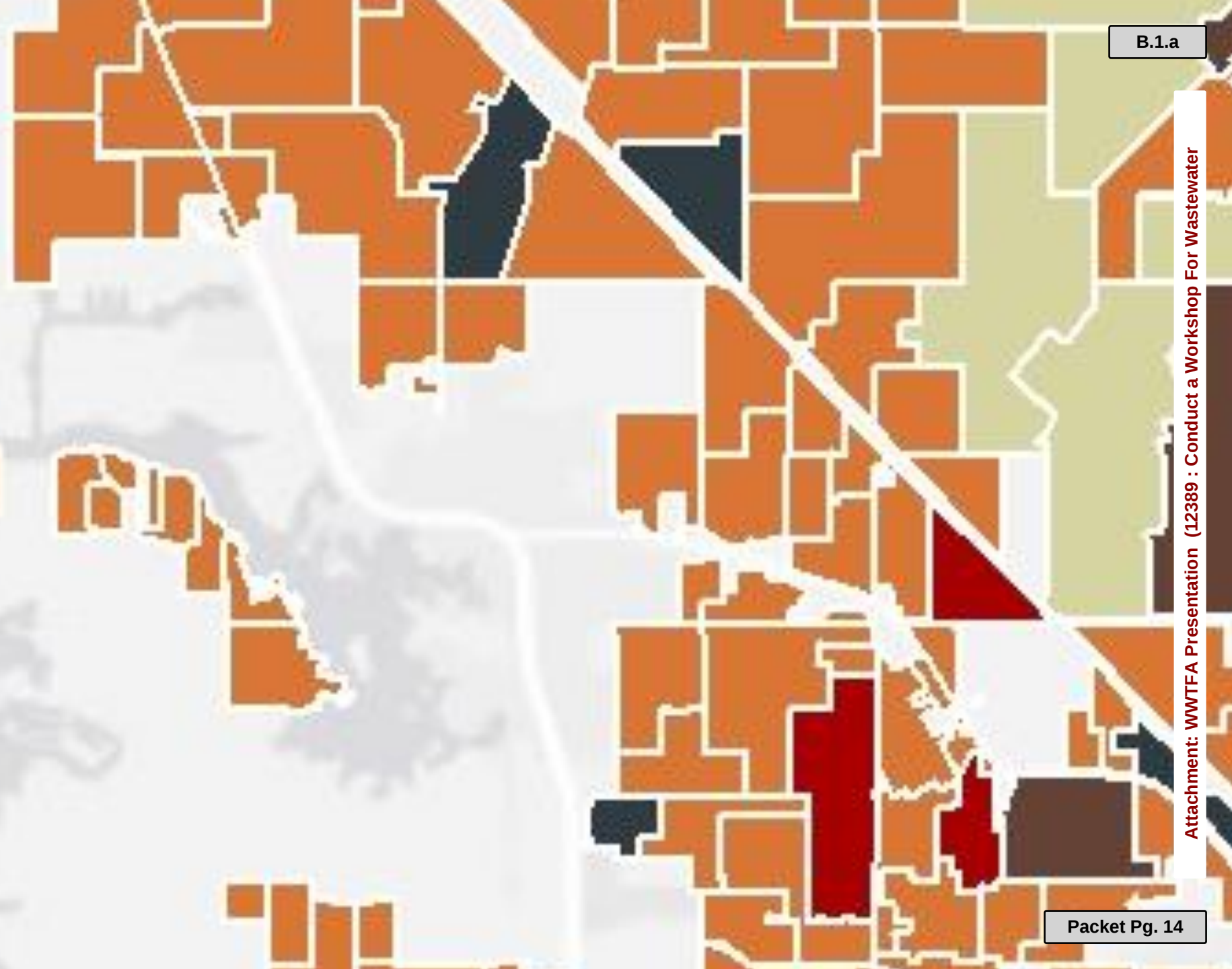


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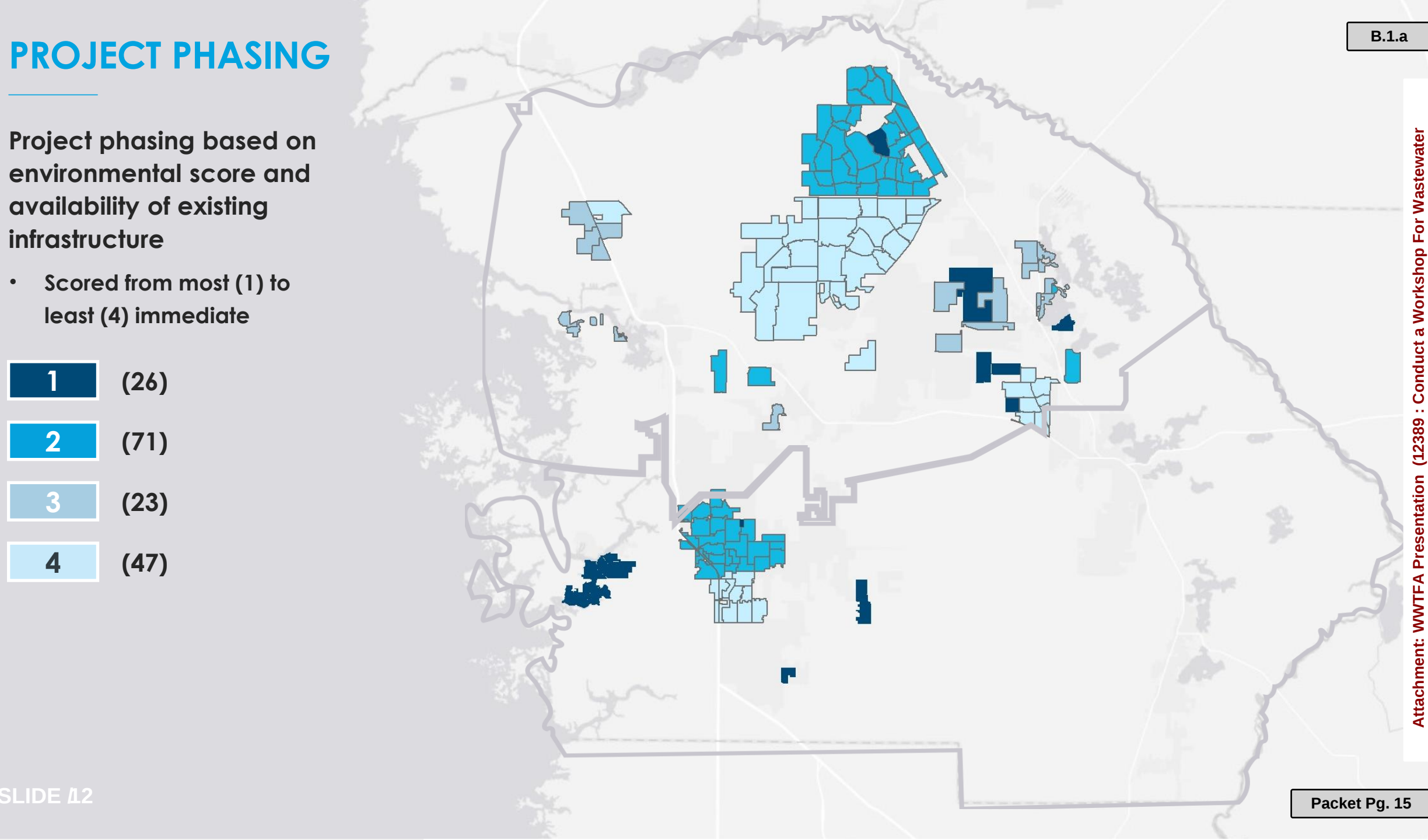


PROJECT PHASING

Project phasing based on environmental score and availability of existing infrastructure

- Scored from most (1) to least (4) immediate

1	(26)
2	(71)
3	(23)
4	(47)

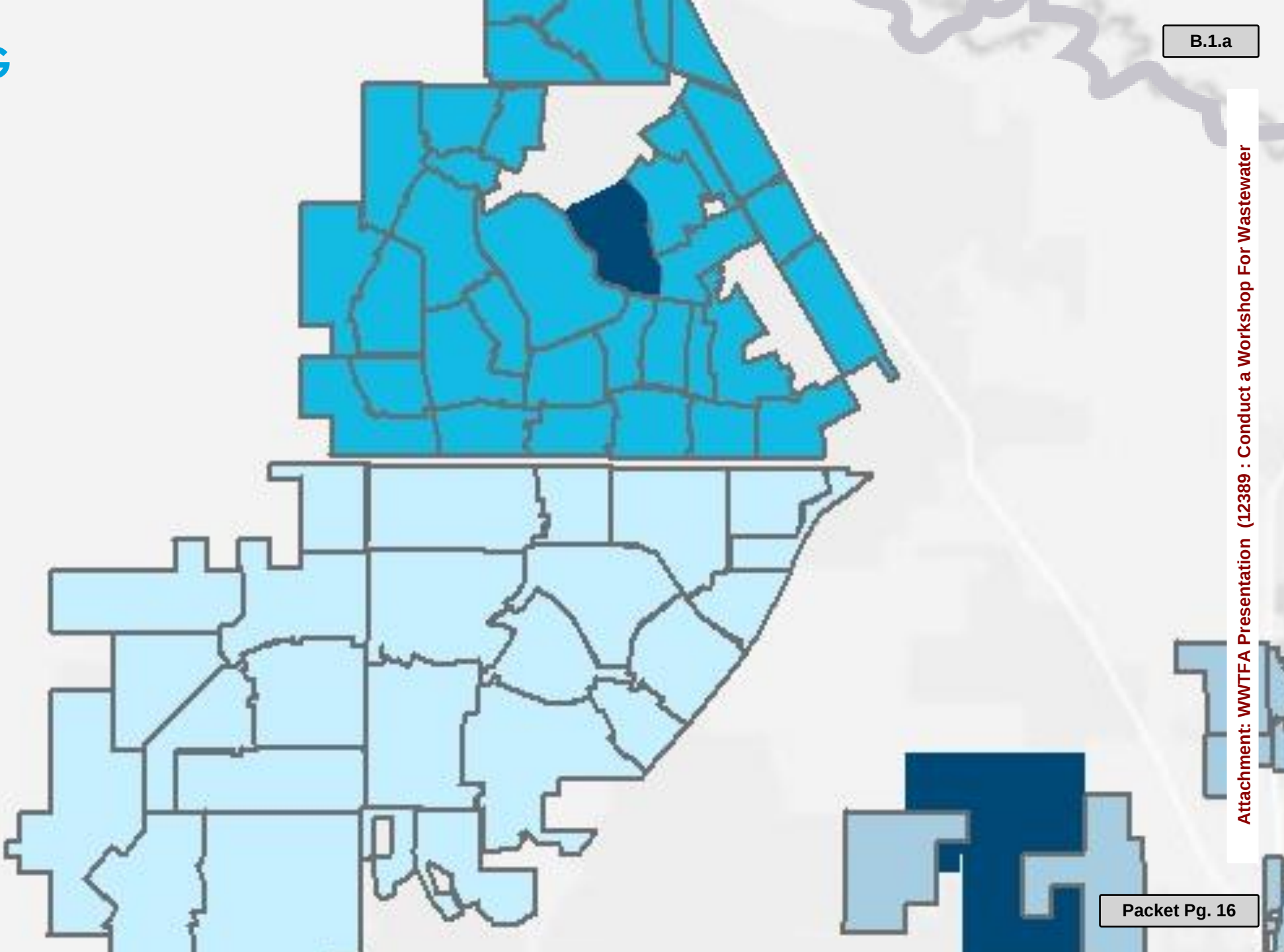


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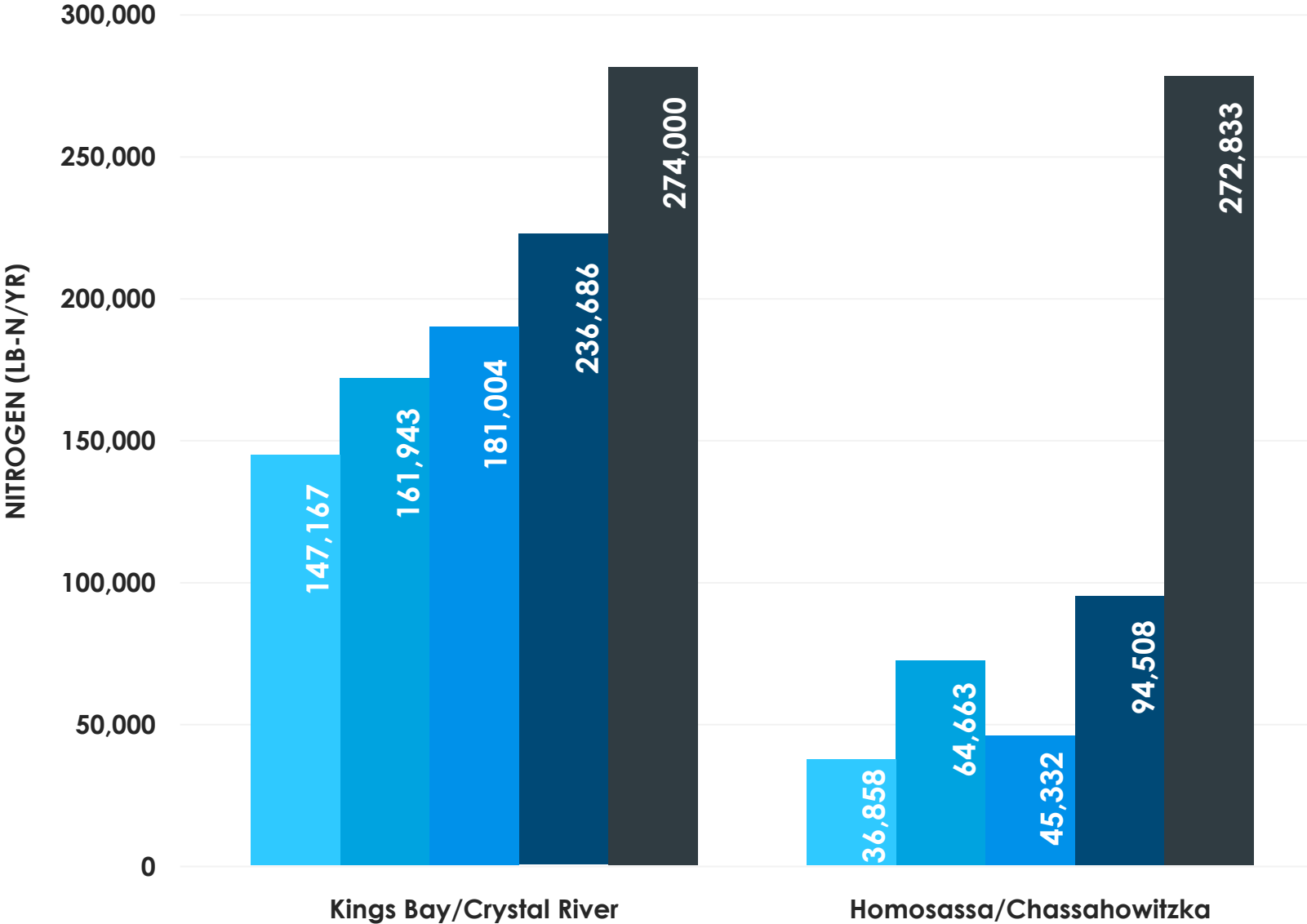
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PLANNED NITROGEN CREDITS

Using environmental scoring, project areas, and project phasing, we developed our planned nitrogen credits

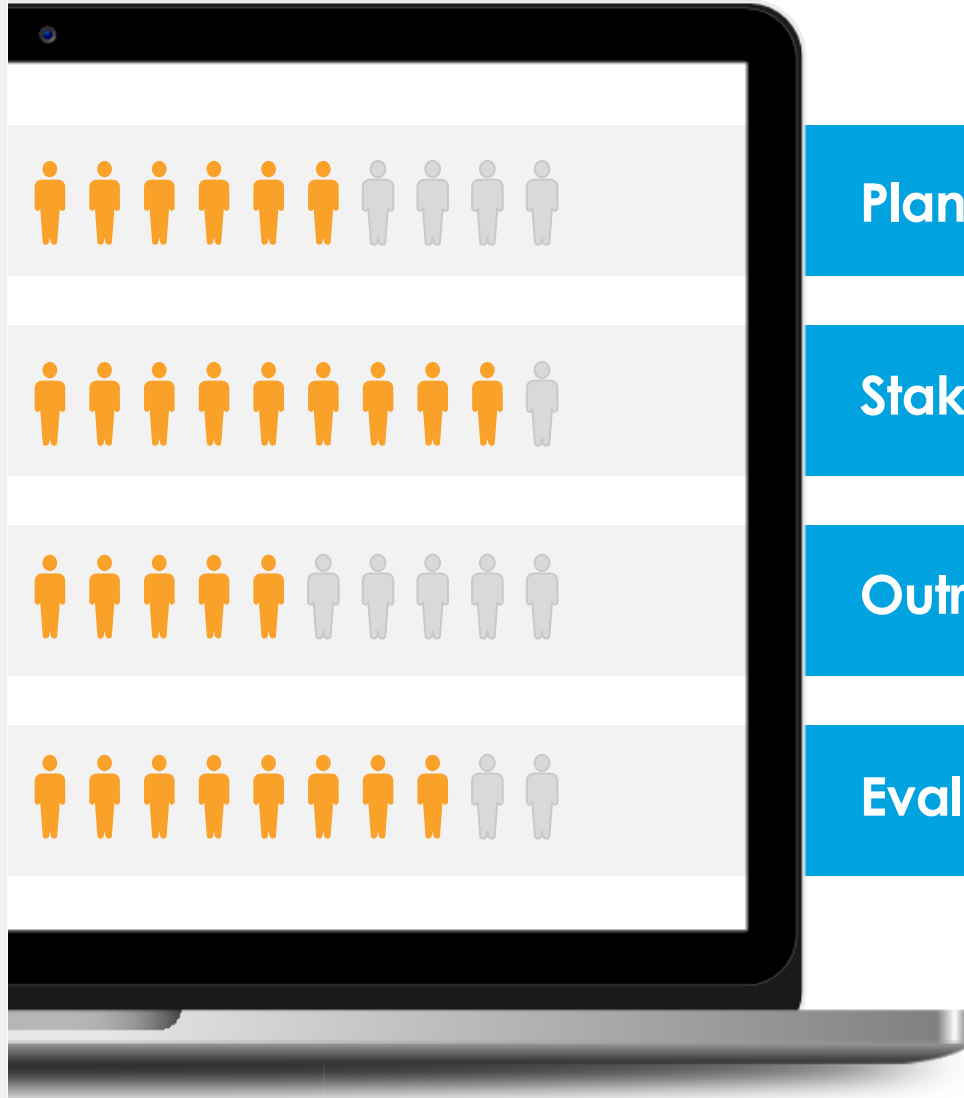
- Planned Low Credit Estimate
- BMAP Estimated Low Credit
- Planned High Credit Estimate
- BMAP Estimated High Credit
- Total Reduction Needed



PUBLIC INVOLVEMENT PROCESS

Stakeholders

- Citrus County
- FDEP
- Southwest Florida Water Management District
- Florida Fish & Wildlife Commission
- Save Crystal River
- Homosassa River Alliance
- Florida Springs Institute
- Crystal River State Park
- Crabbers, Fisherman, Fishing Guides/Charters



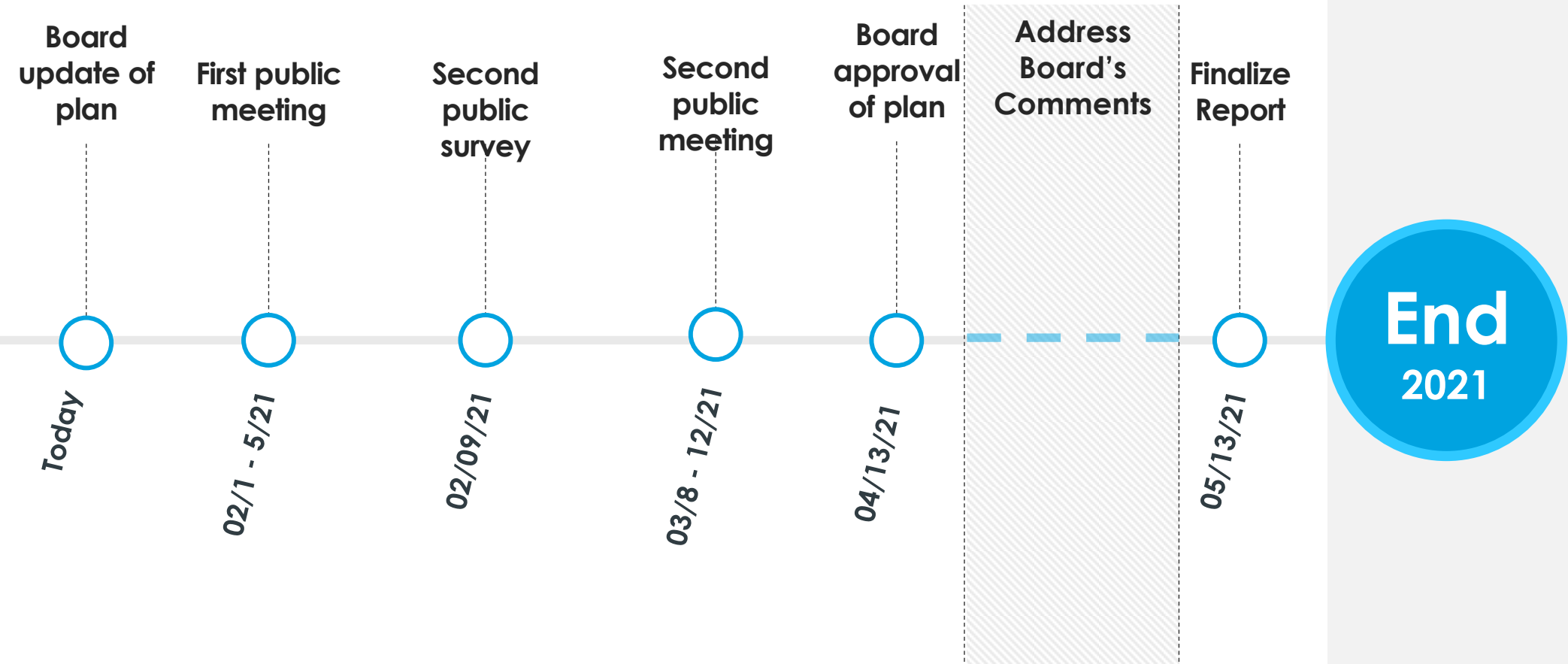
Plan Development

Stakeholder Identification

Outreach Strategies

Evaluation & Analysis

NEXT STEPS



QUESTIONS?

ADDITIONAL INFORMATION
ITEM 9:30 AM
DATE 1-19-21



Wastewater Treatment Facility Feasibility Analysis



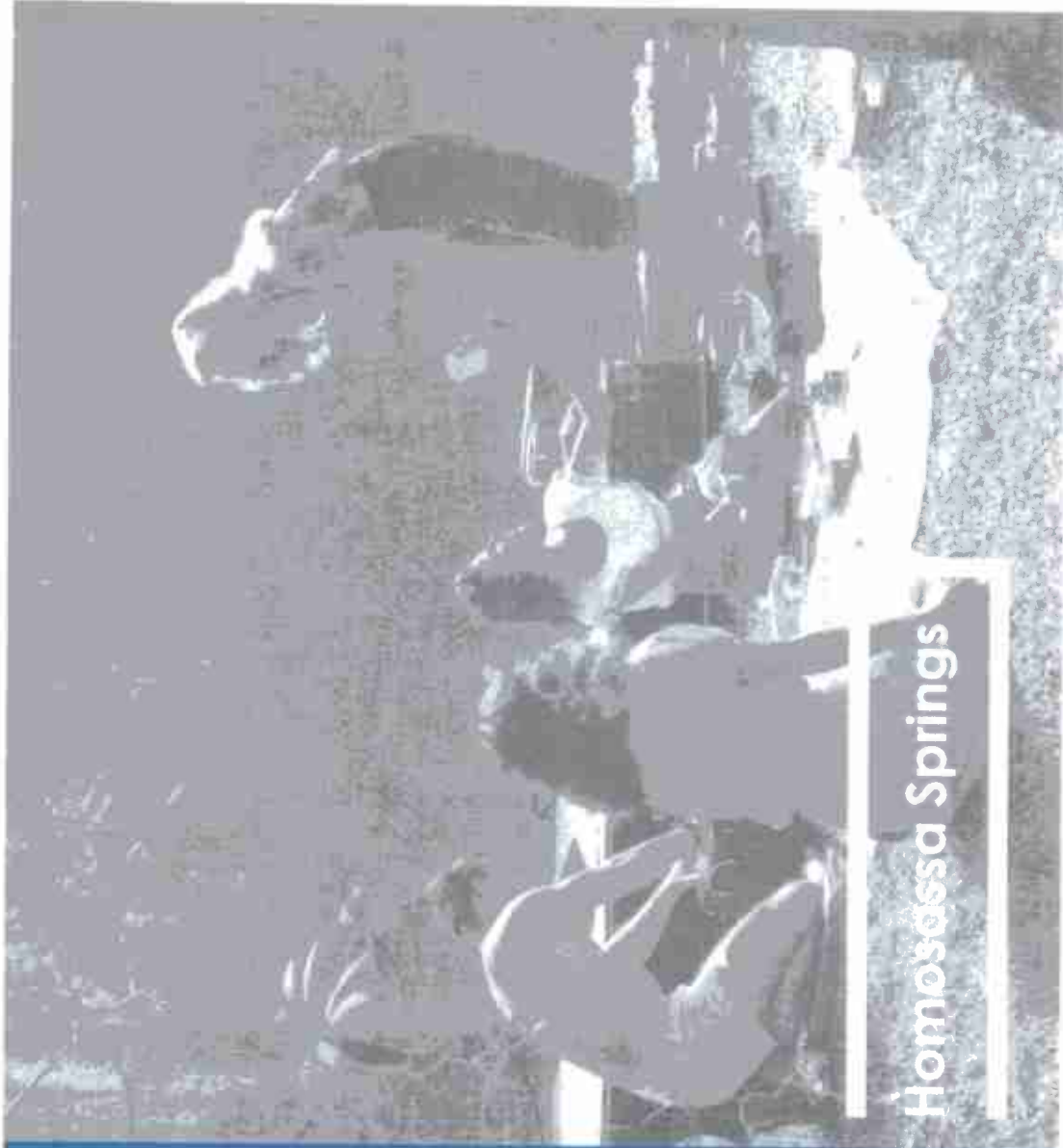
WRIGHT-PIERCE
Engineering a Better Environment

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SLIDE 2

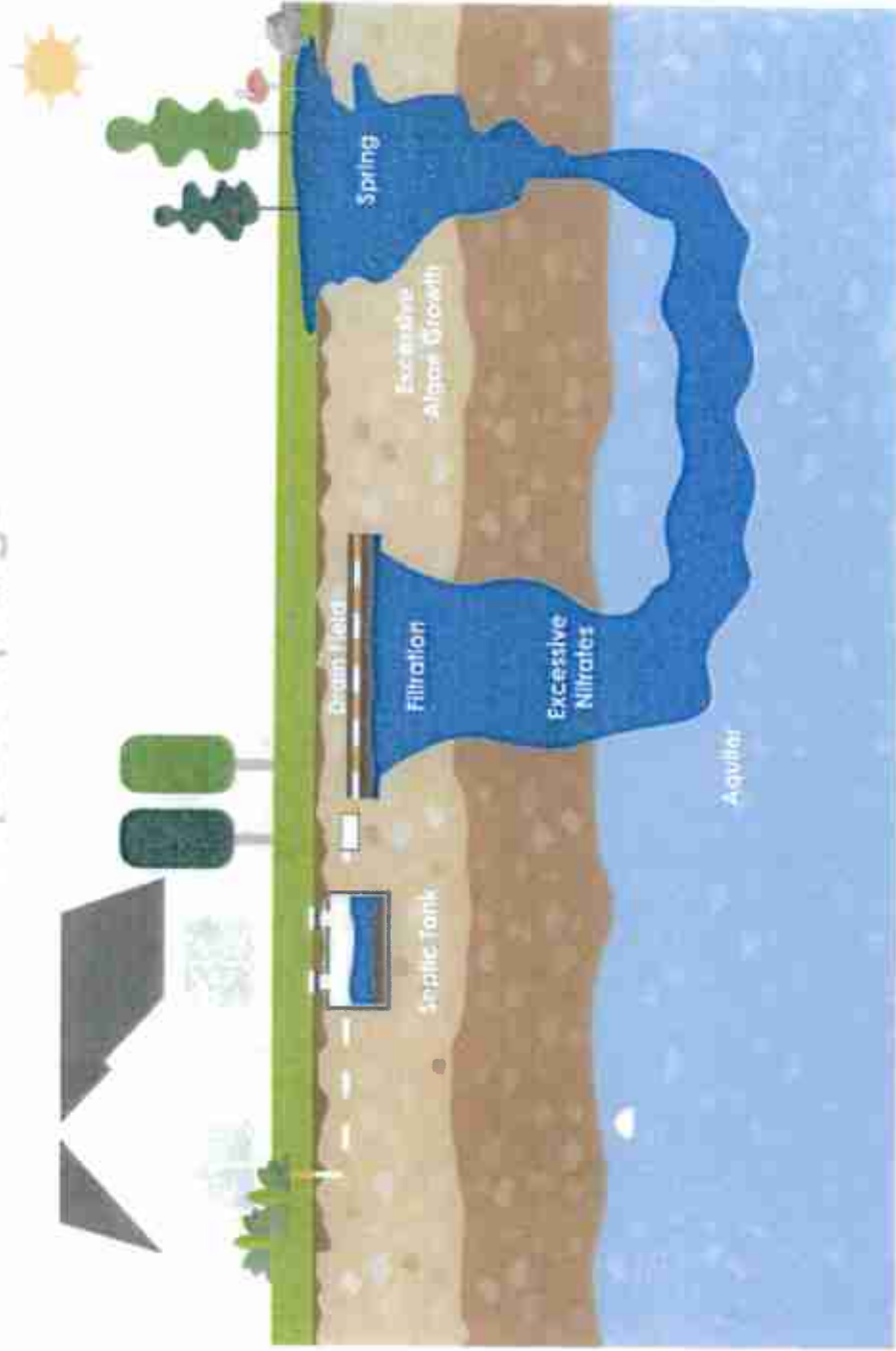


Homosassa Springs

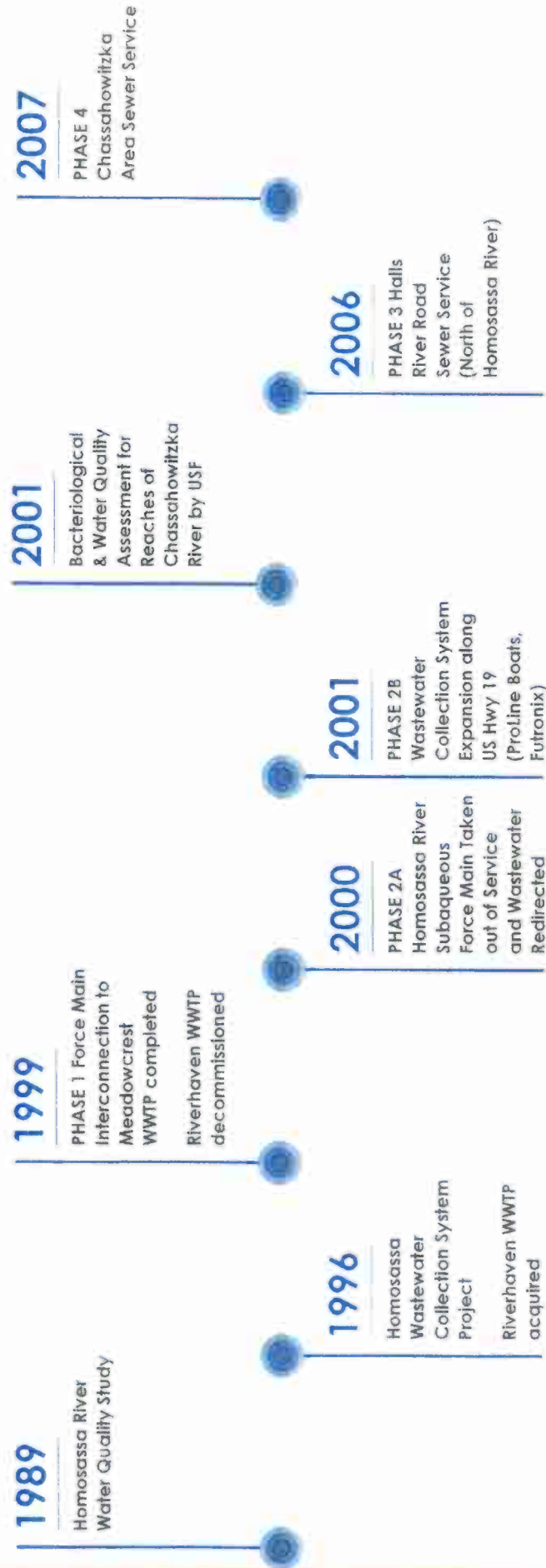
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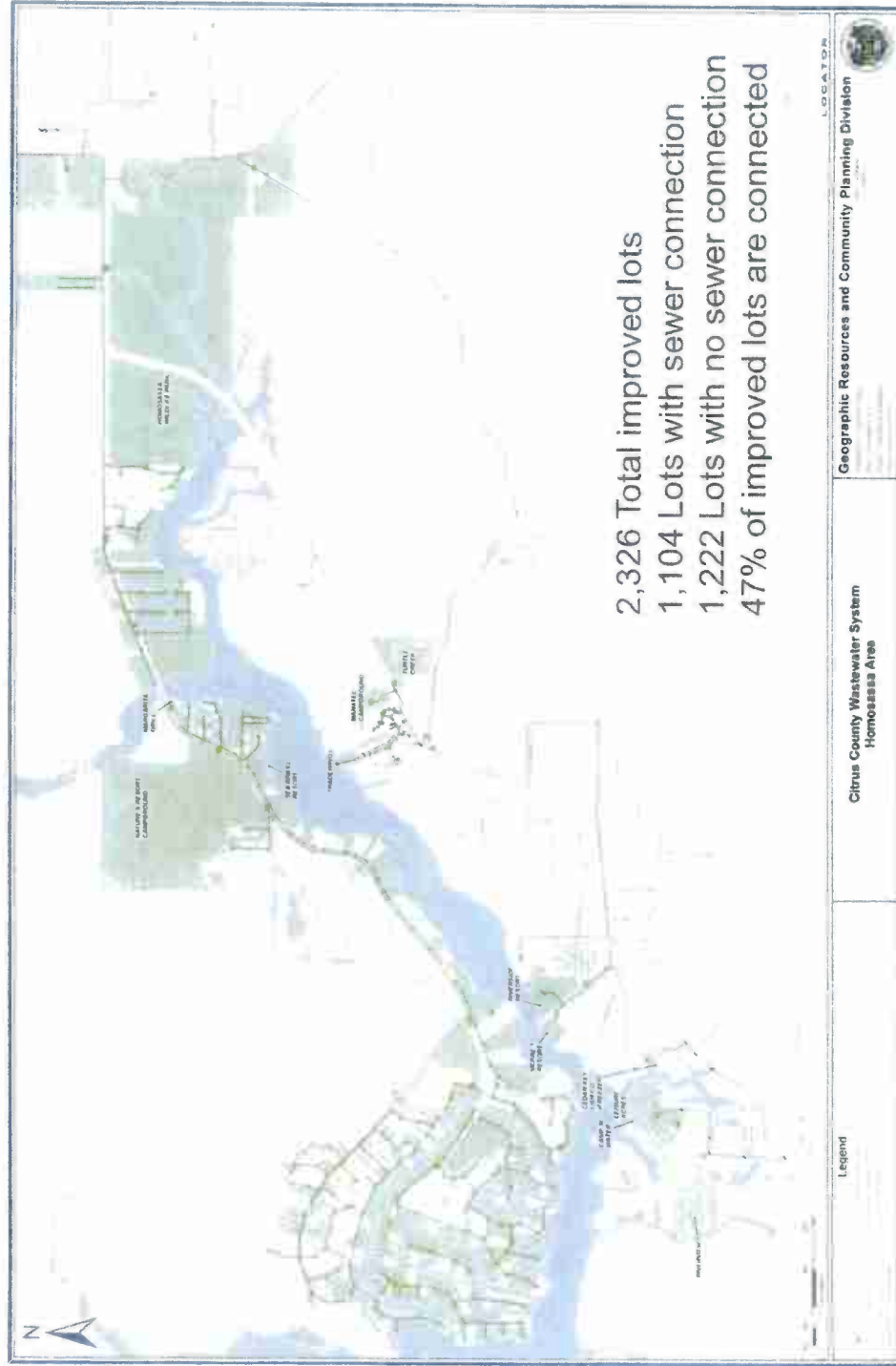
How Septic Systems Impact Springs



SEPTIC-TO-SEWER INITIATIVES TO DATE



Properties Connected to Sewer



TMDL, BMAP, & PFA?

What is a TMDL (Total Maximum Daily Load)?

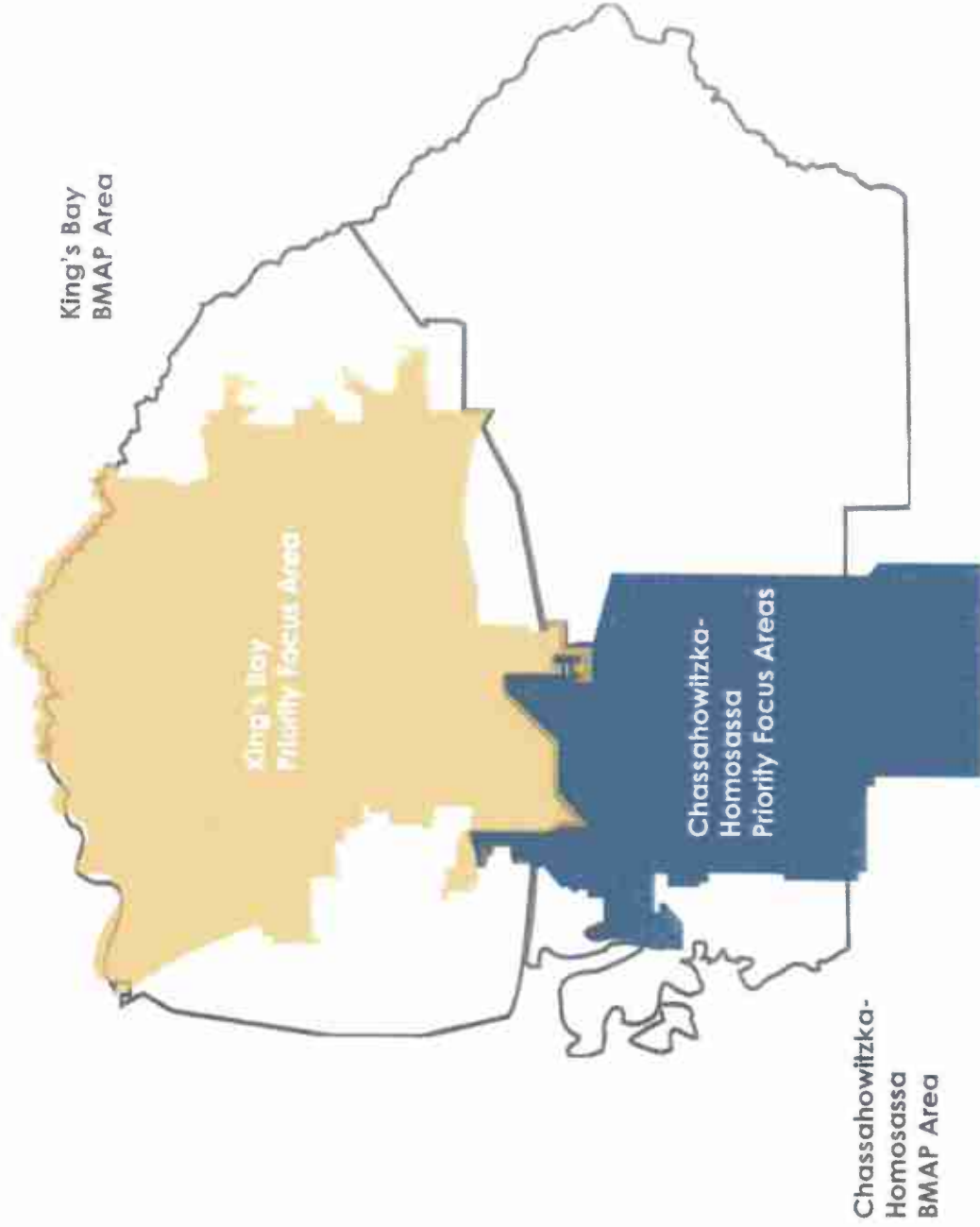
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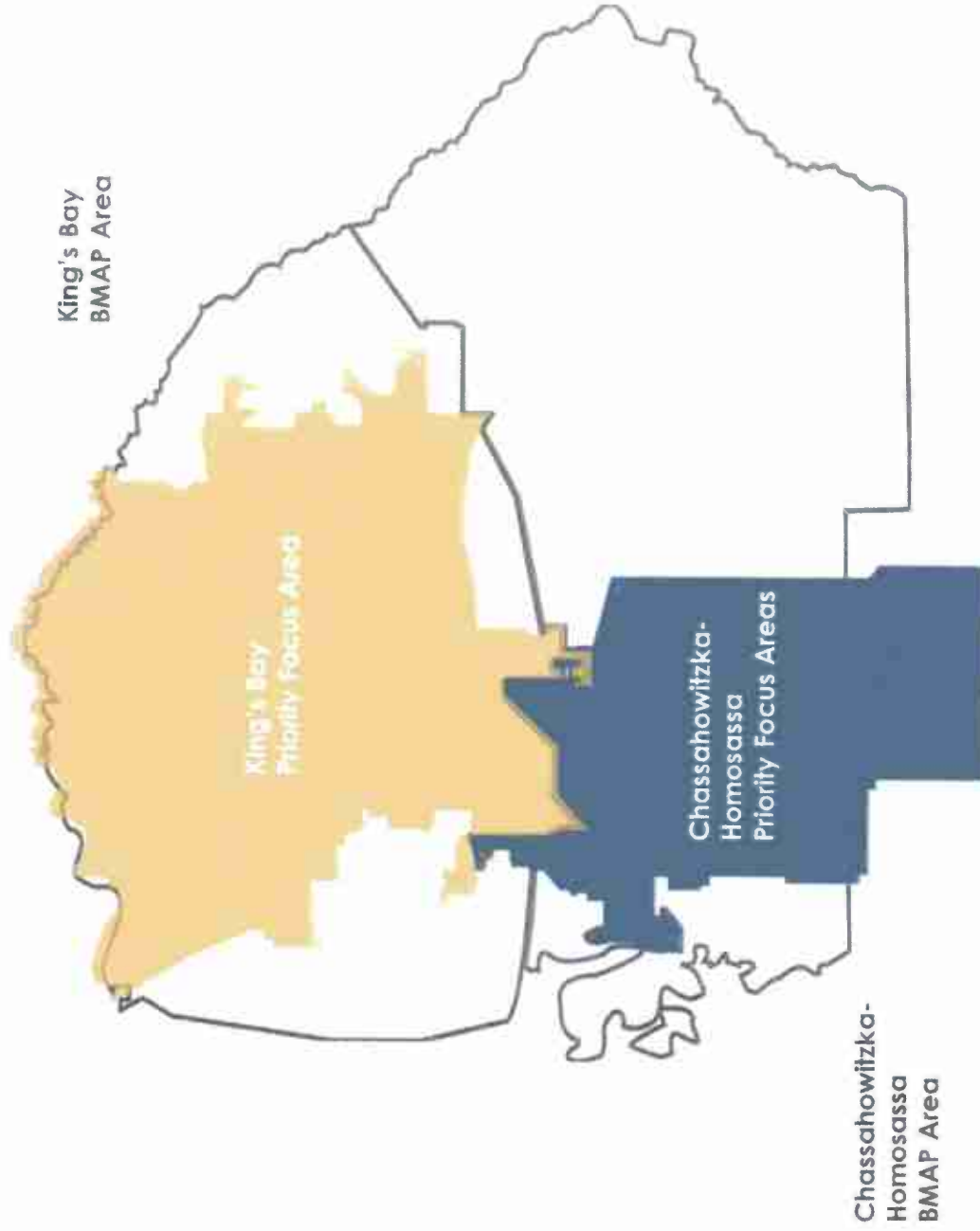
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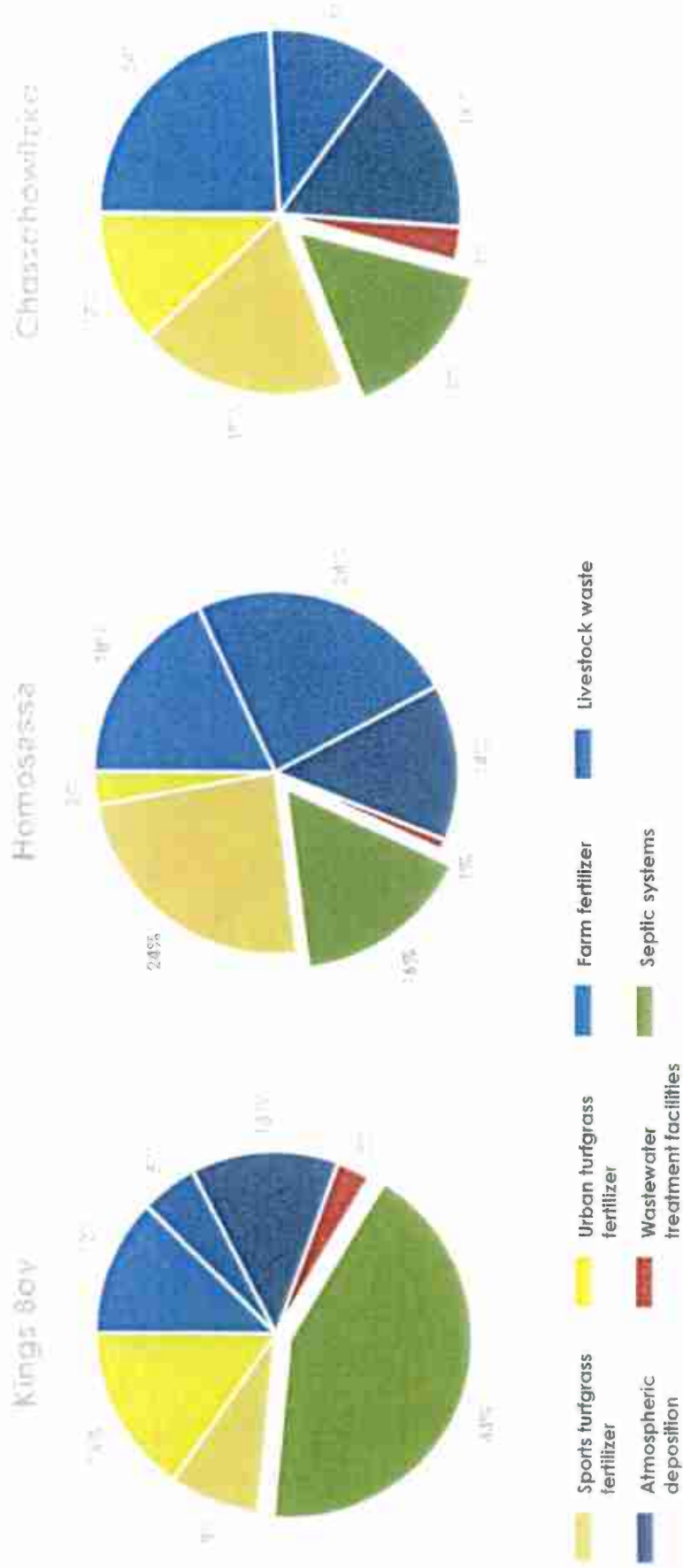


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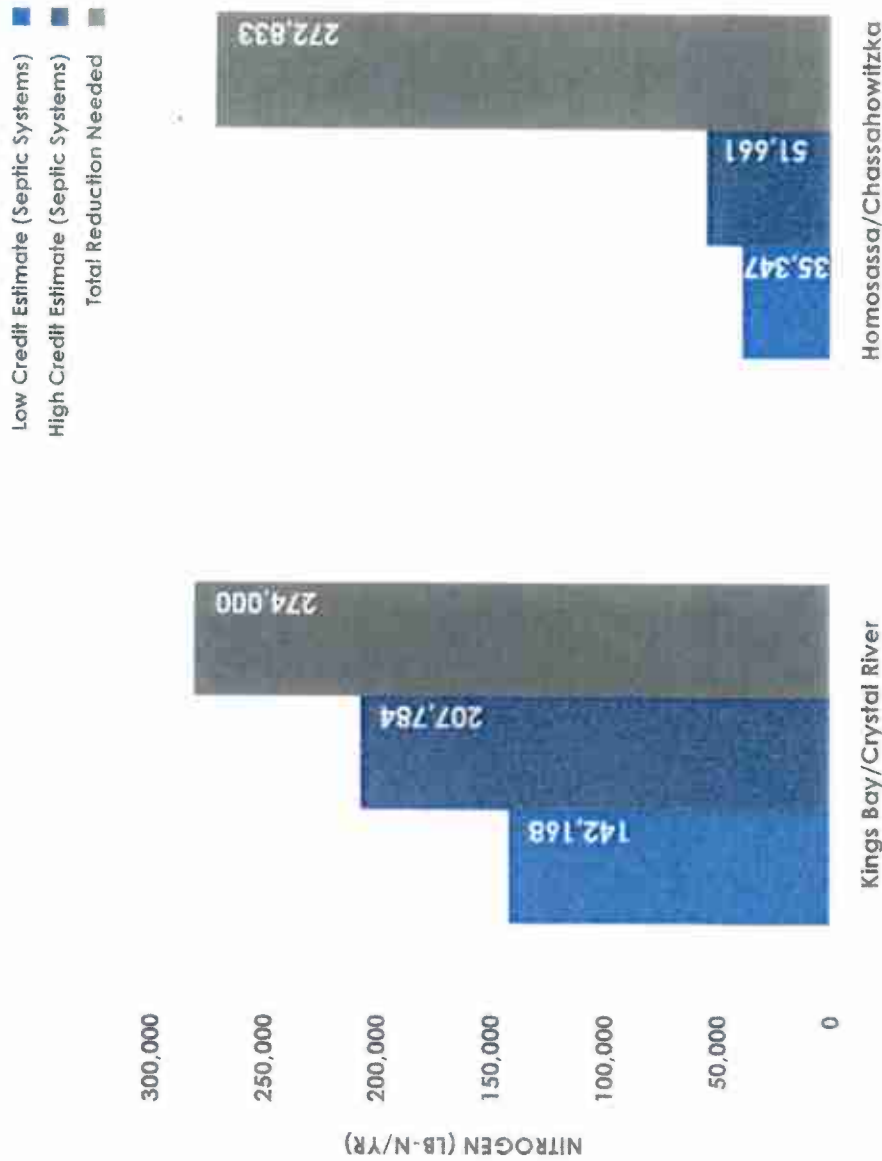


NITROGEN SOURCES



BMAP GOAL & REQUIREMENTS

- Goal**
- Develop a cost-effective plan to reduce the nitrogen load affecting our springs.
- Requirements**
- In BMAP areas
 - Limit nitrogen in wastewater treatment facility effluent
 - In Priority Focus Areas
 - Limit new septic systems
 - Address existing septic systems
 - Adopted June 2018
 - Effective January 2019



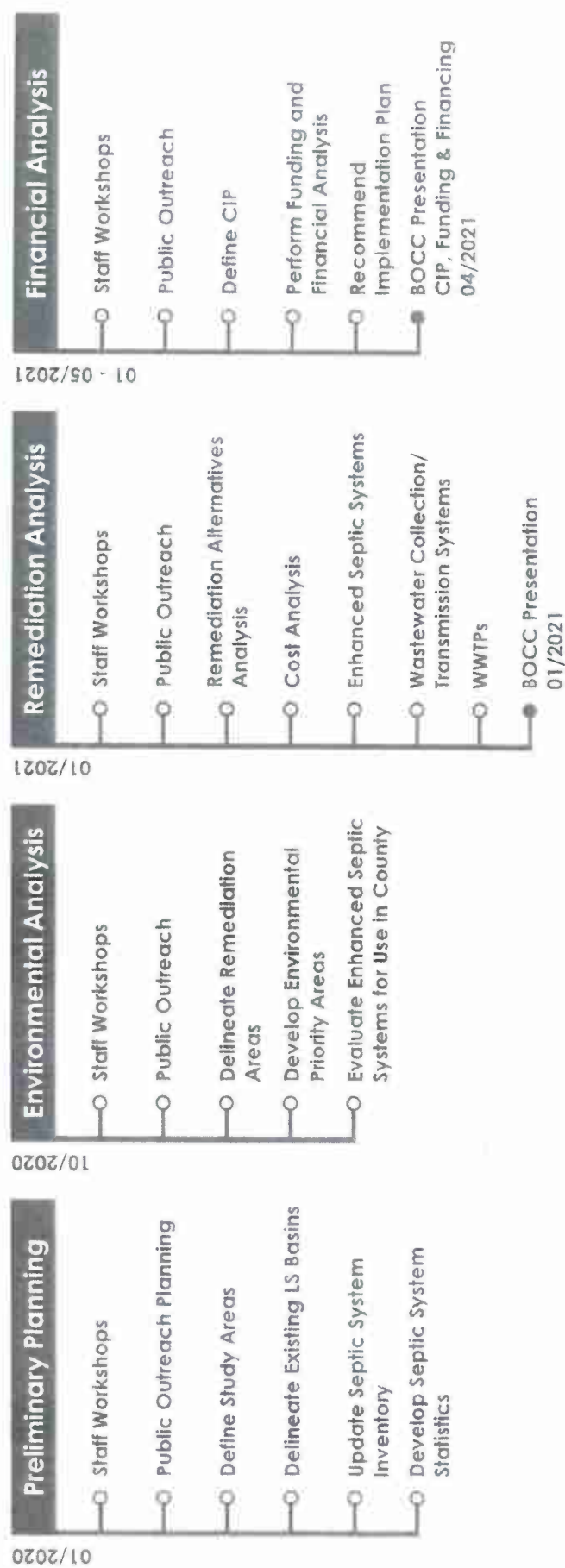
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FDEP WASTEWATER TREATMENT FEASIBILITY ANALYSIS

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SCHEDULE



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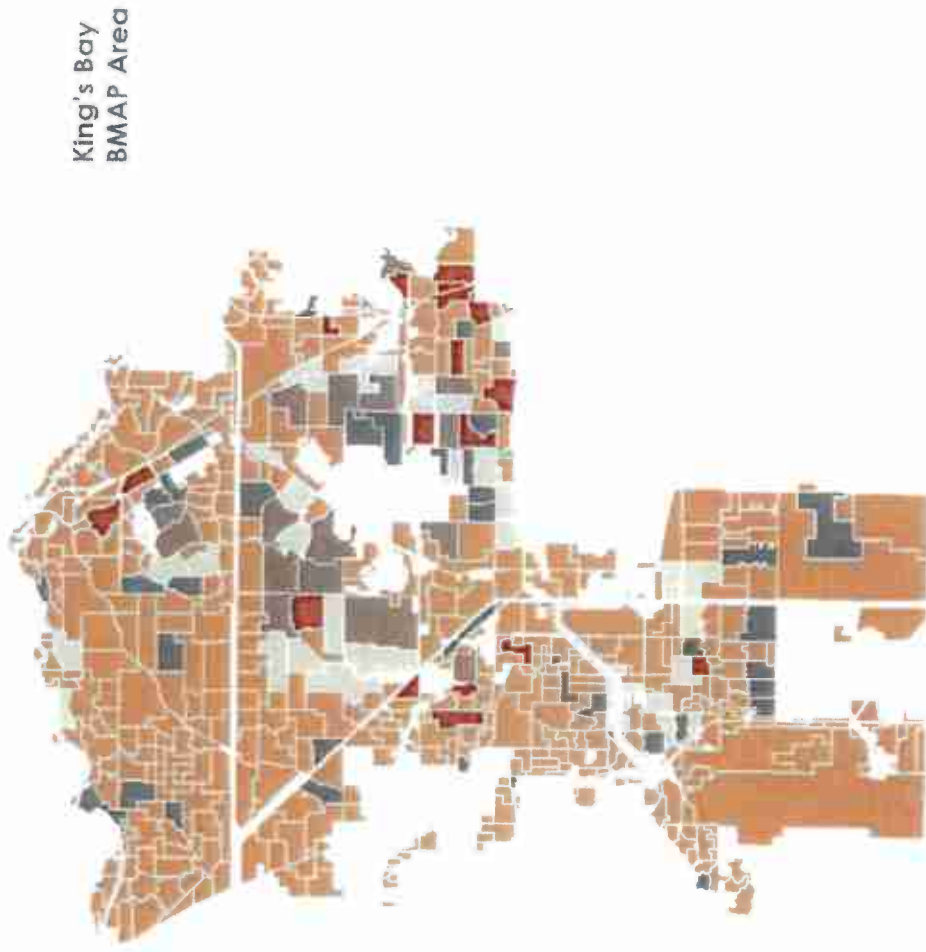
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Chassahowitzka-Homosassa BMAP Area



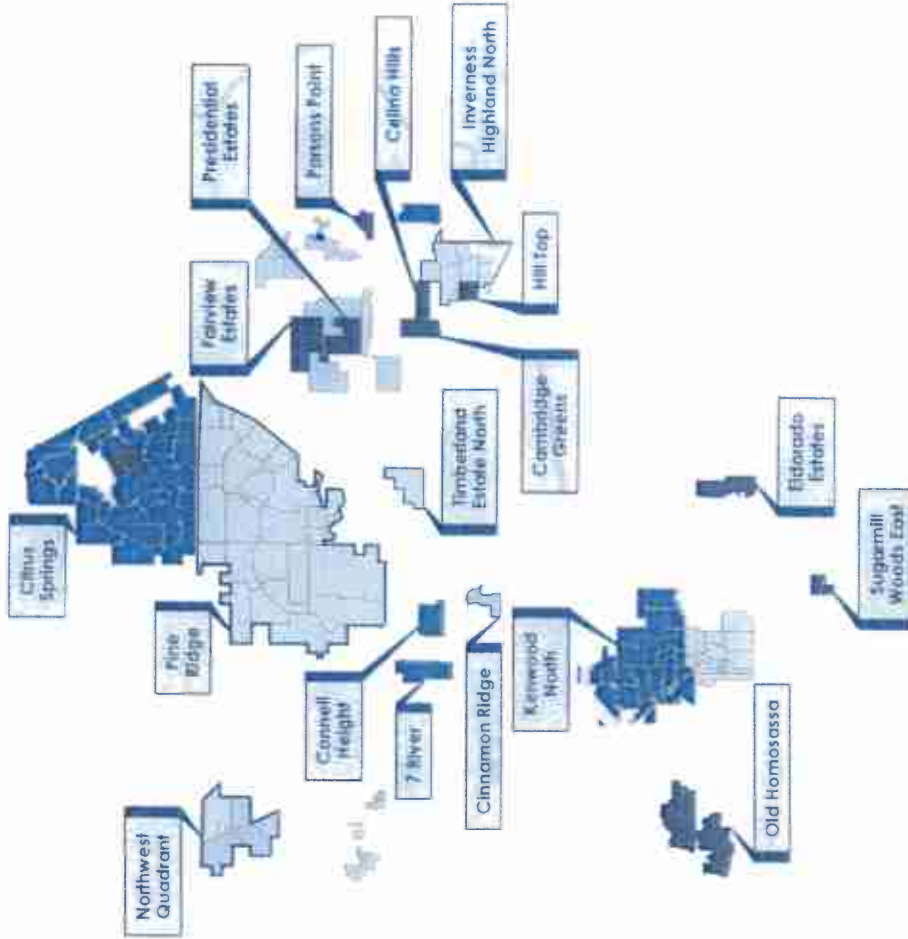
King's Bay BMAP Area

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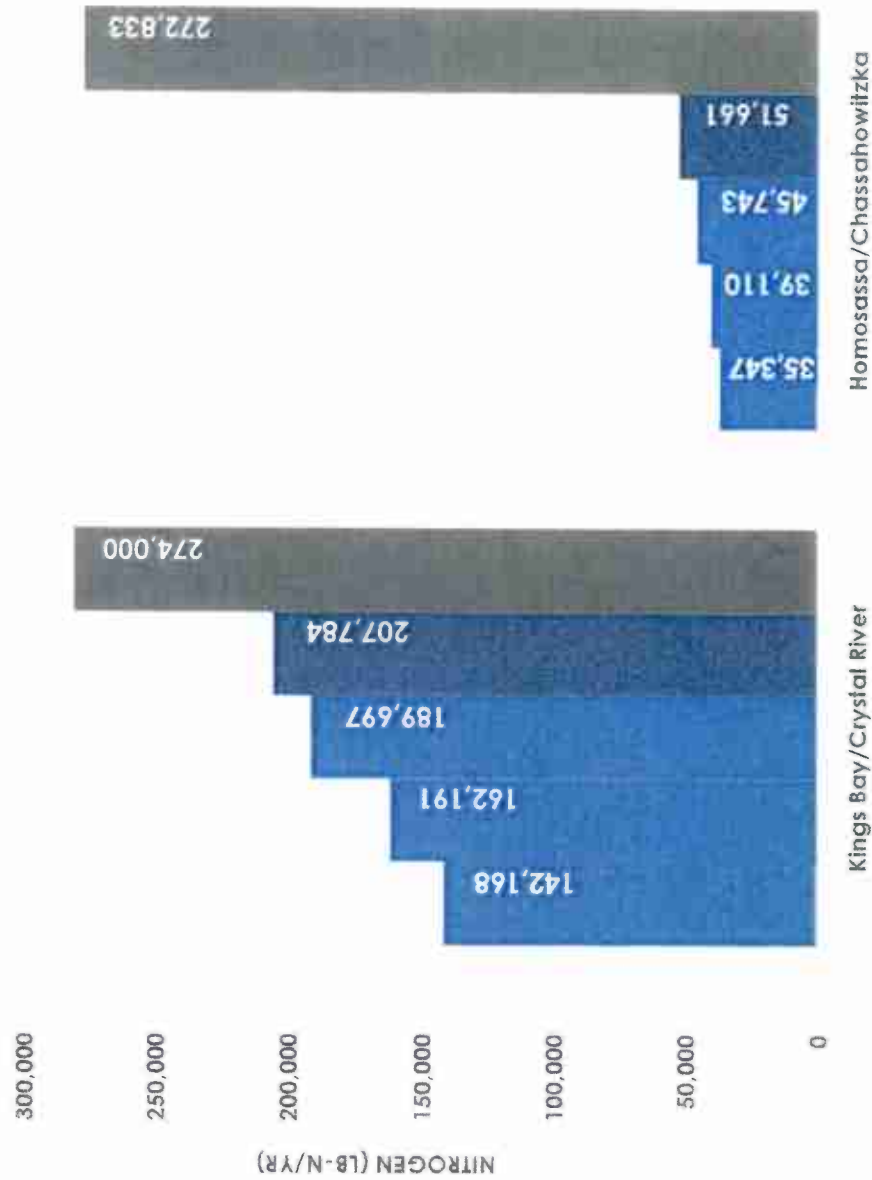


PHASE 1 PROJECTS

Project Area	Septic Tanks Eliminated	Nitrogen Credits
Fairview Estates	388	2,825
Cambridge Greens	330	2,445
Hill Top	293	2,266
Citrus Springs	317	2,155
Presidential Estates	276	1,878
Parsons Point	252	1,830
Parsons Point	206	1,628
Celina Hills	211	1,549
El Dorado Estates	81	659
Sugarmill Woods (Sunny Farms Estates)	52	401
Kenwood North	49	370
Old Homosassa	160	1,090
Old Homosassa	201	791
Old Homosassa	134	723
Old Homosassa	97	556
Old Homosassa	90	517
Old Homosassa	73	453
Old Homosassa	71	387
Old Homosassa	69	363
Old Homosassa Subtotal	895	4880
Total	3,350	22,886

PLANNED OSTDS NITROGEN CREDITS

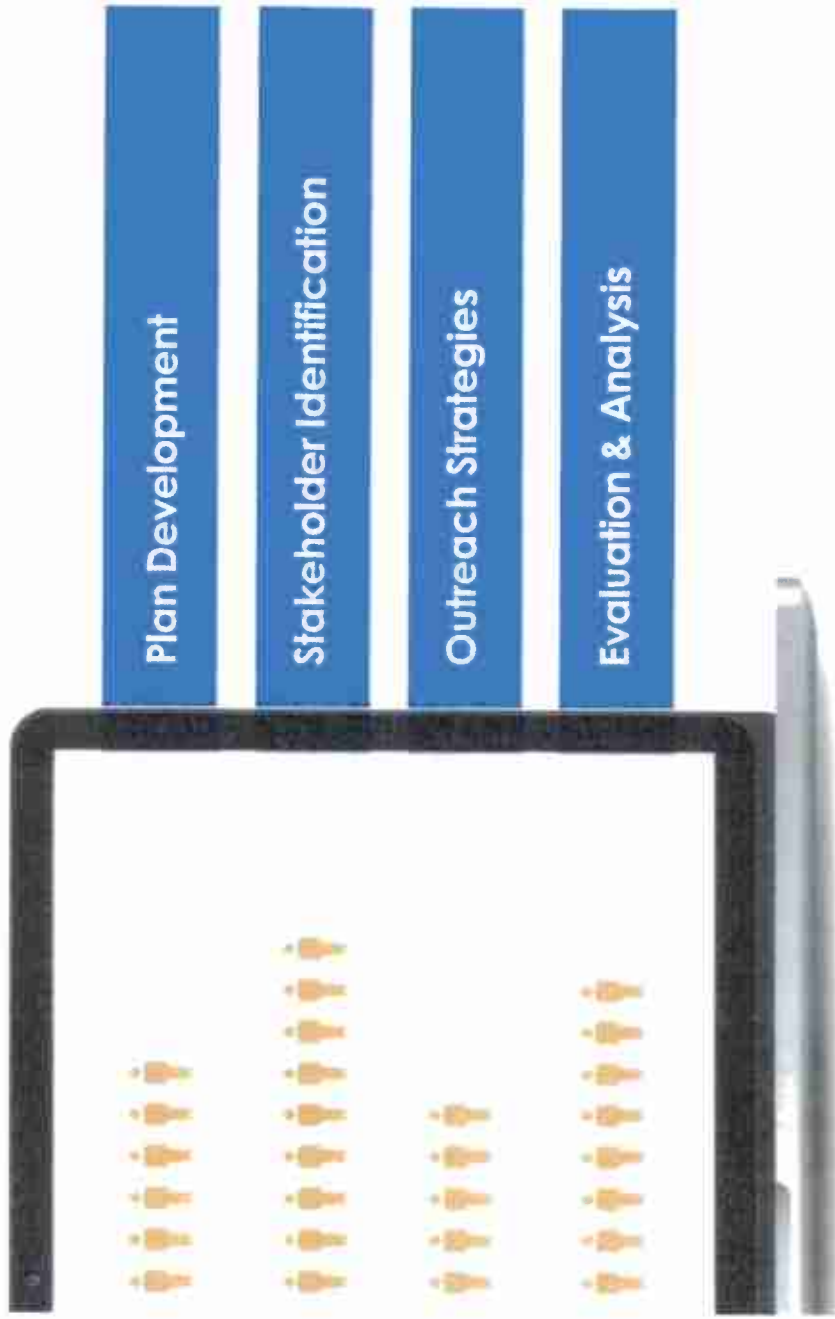
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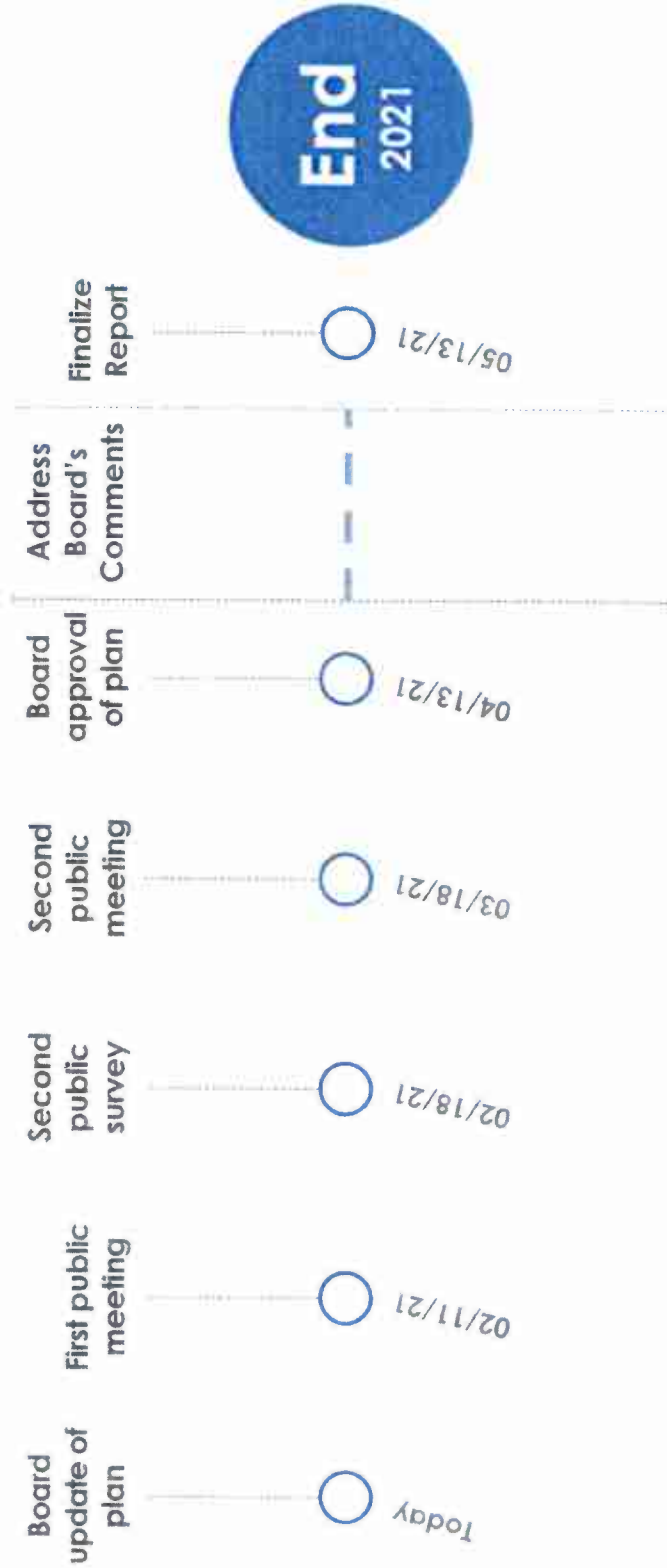
PUBLIC INVOLVEMENT PROCESS

Stakeholders

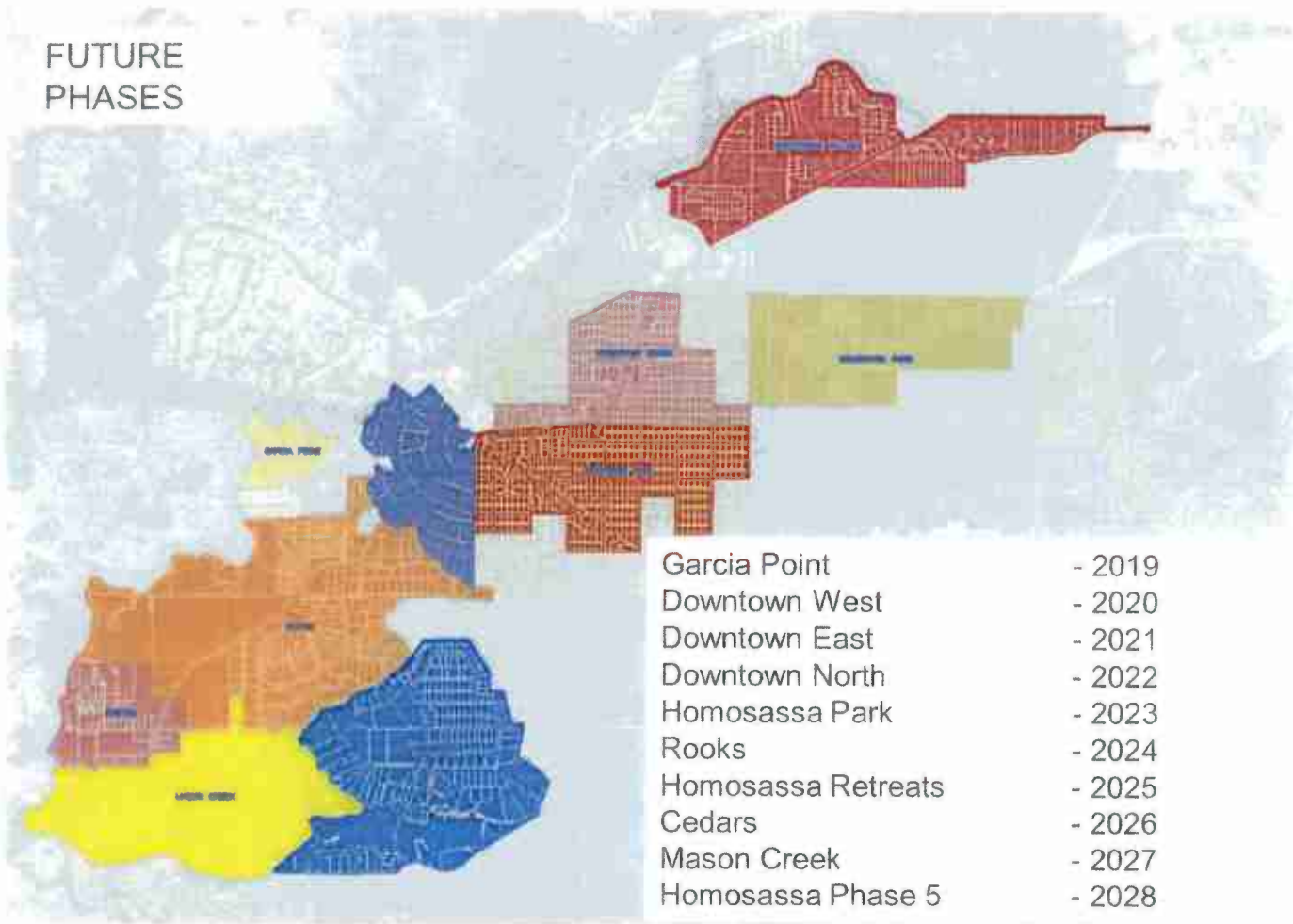
- Citrus County
- FDEP
- Southwest Florida Water Management District
- Florida Fish & Wildlife Commission
- Save Crystal River
- Homosassa River Alliance
- Florida Springs Institute
- Crystal River State Park
- Crabbers, Fisherman, Fishing Guides/Charters



NEXT STEPS



QUESTIONS?



Proof of Publication

from the
CITRUS COUNTY CHRONICLE
Crystal River, Citrus County, Florida
PUBLISHED DAILY

STATE OF FLORIDA
COUNTY OF CITRUS

Before the undersigned authority personally appeared

Theresa Holland and/or Mary Ann Naczi and/or Tonya Knight and/or Jeanne Ethridge

Of the Citrus County Chronicle, a newspaper published daily at Crystal River, in Citrus County, Florida, that the attached copy of advertisement being a public notice in the matter of the Court,

3505-0112 TUCRN PUBLIC NOTICE NOTICE IS HEREBY GIVEN that the Citrus County Board of County Commissioners will conduct a Public Workshop on Tuesday, January 19, 2021, at 9:30 A.M. in the Citrus County Courthouse, 110 North Apopka Avenue, Inverness, FL

was published in said newspaper in the issues of January 12th, 2021,

Affiant further says that the Citrus County Chronicle is a Newspaper published at Crystal River in said Citrus County, Florida, and that the said newspaper has heretofore been continuously published in Citrus County, Marion County and Levy County, Florida, each week and has been entered as second class mail matter at the post office in Inverness in said Citrus County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Jeanne Ethridge

The foregoing instrument was acknowledged before me.

This 12th day of January 2020
By: Theresa Holland and/or Mary Ann Naczi and/or Tonya Knight and/or Jeanne Ethridge
who appeared by (X) means of physical presence or () via online notarization.

Notary Public

Maria A Parks

3505-0112 TUCRN
PUBLIC NOTICE

NOTICE IS HEREBY GIVEN that the Citrus County Board of County Commissioners will conduct a **Public Workshop** on **Tuesday, January 19, 2021, at 9:30 A.M.** in the **Citrus County Courthouse, 110 North Apopka Avenue, Inverness, Florida**, for Water Resources to update the Board on the progress of the Wastewater Treatment Feasibility Analysis (Septic to Sewer).

Any person requiring reasonable accommodation at this meeting because of a disability or physical impairment should contact the County Administrator's Office, 3600 W. Sovereign Path, Suite 267, Lecanto, FL 34461, (352) 527-5210, at least two days before the meeting. If you are hearing or speech impaired, dial 7-1-1, 1-800-955-8771 (TTY) or 1-800-955-8770 (v), via Florida Relay Service.

If you need a Spanish Translator please make arrangements with the County by telephone within two days of the publication notice at 352-527-5370

Si necesita un traductor de español por favor haga arreglos con el Condado dentro de dos días de la notificación de la publicación 352-527-5370

Any person who decides to appeal any decision of the Governing Body with respect to any matter considered at this meeting will need a record of the proceedings and for such purpose may need to provide that a verbatim record of the proceeding is made, which record includes testimony and evidence upon which the appeal is to be based. (Section 286.0101, Florida Statutes)

Published January 12, 2021

Order # 1296705
19.92
JAN 15 '21 11:43M



Communication: Proof of Publication (Adjourn)