

**FRANKLIN COUNTY BOARD OF COUNTY COMMISSIONERS
REGULAR MEETING
COURTHOUSE ANNEX – COMMISSION MEETING ROOM
MARCH 20, 2018
9:00 AM
AGENDA**

The Board of County Commissioners asks that all cell phones are turned off or placed on silent (vibrate) mode. If you would like to comment on any matter, when recognized by the Chairman, state your name, sign the speaker log, and please adhere to the 3-minute time limit. Any handouts (information) for distribution to the Commission must be submitted to the Board Secretary (Clerk's Office) or to the County Coordinator on or before the Thursday prior to that Tuesday's meeting. Failure to do so will result in your removal from the agenda or a delay of any action relating to your request until a future meeting.

- 9:00 AM** **Call to Order**
Prayer and Pledge
Approval of Minutes
Payment of County Bills
- 9:10 AM** **Department Directors Report**
Howard Nabors – Superintendent of Public Works
Fonda Davis – Solid Waste Director
Pam Brownell – Emergency Management Director
Erik Lovestrand – Extension Office Director
Lisa Lance – Library Director
Jason Puckett – Airport Manager
- 9:30 AM** **Public Comments (3-minute time limit)**
- 9:45 AM** **Curt Blair – TDC – Report**
- 10:00 AM** **Amy Ham-Kelly – Board of Adjustment – Report**
- 10:15 AM** **Amy Ham-Kelly – Planning & Zoning – Report**
- 10:30 AM** **Beth Kirkland & Santiago Fernandez – Airport Economic Study – Final Report**
- 10:45 AM** **Ryan Francis – Carr, Riggs & Ingram – Presentation**
- 11:00 AM** **Marcia M. Johnson – Clerk of Courts – Report**
- 11:15 AM** **Alan Pierce – RESTORE Coordinator – Report**
- 11:30 AM** **Michael Morón – County Coordinator – Report**
- 12:00 PM** **T Michael Shuler – County Attorney – Report**
- 12:15 PM** **Commissioners Comments**
- 12:30 PM** **Adjourn**

March 18, 2018
Franklin County Road Department
Detail of Work Performed and Material Hauled by District
Detail from 3/1/2018 - 3/14/2018

District 1

Work Performed:

<u>Work Performed:</u>	<u>Date</u>	<u>Road</u>		
Pot hole Repair (Fill)	3/1/2018	Power Drive		
Pot hole Repair (Fill)	3/1/2018	Hickory Dip		
Pot hole Repair (Fill)	3/1/2018	Shuler Avenue		
Pot hole Repair (Fill)	3/1/2018	Creamer Street		
Pot hole Repair (Fill)	3/1/2018	Dunlap Road		
Pot hole Repair (Fill)	3/1/2018	Patton Drive		
Box drag	3/1/2018	Chili Blvd		
Sign Maintenance	3/5/2018	US HWY 98 (Eastpoint, Ricky Jones)		
Chili Cook Off (Prepare/Take down)	3/5/2018	Chili Blvd		
Graded Road(s)	3/6/2018	Land Street		
Graded Road(s)	3/6/2018	Buck Street, St. George Island		
Litter Pickup	3/6/2018	Avenue A		
Graded Road(s)	3/6/2018	Cook Street		
Litter Pickup	3/6/2018	Otterslide Road		
Chili Cook Off (Prepare/Take down)	3/6/2018	Chili Blvd		
Bike Path (Edged, cut grass off of concrete)	3/7/2018	W Gulf Beach Drive		
Bike Path (Edged, cut grass off of concrete)	3/7/2018	E Gulf Beach Drive		
Bike Path (Edged, cut grass off of concrete)	3/8/2018	W Gulf Beach Drive		
Sign Maintenance	3/8/2018	Ridgecrest Parkway		
Bike Path (Edged, cut grass off of concrete)	3/8/2018	E Gulf Beach Drive		
Driveway repair	3/12/2018	W Gulf Beach Drive		
Litter Pickup	3/12/2018	Twin Lakes Road		
Litter Pickup	3/12/2018	Otterslide Road		
Litter Pickup	3/13/2018	Old Ferry Dock Road		
Litter Pickup	3/13/2018	Old Ferry Dock Road		
Litter Pickup	3/13/2018	Gilbert Street		
			0	

Material HAUL From:

<u>Material HAUL From:</u>	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Litter	3/6/2018	Otterslide Road	1	0
Litter	3/6/2018	Avenue A	1	0
Litter	3/12/2018	Otterslide Road	1	0
Litter	3/12/2018	Twin Lakes Road	1	0
Litter	3/13/2018	Gilbert Street	1	0

Litter	TOTAL		5	0
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Material HAUL To:

<u>Material HAUL To:</u>	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Dirty 89 Lime Rock	3/1/2018	Chili Blvd	18	0
Dirty 89 Lime Rock	3/6/2018	Cook Street	36	0
Dirty 89 Lime Rock	3/6/2018	Land Street	18	0
Dirty 89 Lime Rock	3/6/2018	Cook Street	54	0
Dirty 89 Lime Rock	3/6/2018	Buck Street, St. George Island	18	0
Dirty 89 Lime Rock	3/12/2018	W Gulf Beach Drive	9	0

Dirty 89 Lime Rock	TOTAL		153	0
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District 1**Material HAUL To:**

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Milled Asphalt	3/1/2018	Shuler Avenue	0.100000001	0
Milled Asphalt	3/1/2018	Chili Blvd	18	0
Milled Asphalt	3/1/2018	Creamer Street	0.100000001	0
Milled Asphalt	3/1/2018	Dunlap Road	0.100000001	0
Milled Asphalt	3/1/2018	Power Drive	0.100000001	0
Milled Asphalt	3/1/2018	Hickory Dip	0.100000001	0
Milled Asphalt	3/1/2018	Patton Drive	0.100000001	0

Milled Asphalt**TOTAL****18.60000001 0****District 2****Work Performed:**

	<u>Date</u>	<u>Road</u>
Litter Pickup	3/1/2018	CR67
Box drag	3/1/2018	Alligator Drive
Litter Pickup	3/5/2018	Rio Vista Drive
Litter Pickup	3/5/2018	Putnal Street
Litter Pickup	3/5/2018	Palmetto Street
Litter Pickup	3/5/2018	Oak Street
Litter Pickup	3/5/2018	Florida Avenue
Flagged	3/5/2018	CR 370
Loaded Trucks	3/5/2018	Stock Pile, CR 370 - Alligator Drive - Alligator
Litter Pickup	3/5/2018	CR67
Litter Pickup	3/5/2018	Hinton Street
Litter Pickup	3/5/2018	Oleader Terrace
Litter Pickup	3/5/2018	Franklin Street
Litter Pickup	3/6/2018	Carlton Millender Road
Litter Pickup	3/6/2018	Kendrick Road
Litter Pickup	3/6/2018	Baywood Drive
Litter Pickup	3/6/2018	Sanborn Road
Litter Pickup	3/6/2018	Maxine Road
Litter Pickup	3/6/2018	West Drive
Flagged	3/6/2018	Stock Pile, CR 370 - Alligator Drive - Alligator
Loaded Trucks, Removed Tree Limbs	3/6/2018	Stock Pile, CR 370 - Alligator Drive - Alligator
Shoulder Work, Pot hole Repair (Fill)	3/6/2018	12th Street NE
Litter Pickup	3/7/2018	Lake Morality Road
Litter Pickup	3/7/2018	CR67
Pot hole Repair (Fill), Shoulder Work	3/8/2018	Arizona Street
Pot hole Repair (Fill), Shoulder Work	3/8/2018	CR67
Pot hole Repair (Fill), Shoulder Work	3/8/2018	11th Street NE
Box drag	3/8/2018	David Patton park
Box drag	3/8/2018	Avenue J NE
Box drag	3/8/2018	Jeff Sanders Road
Litter Pickup	3/12/2018	CR67
Litter Pickup	3/13/2018	CR67
Box drag	3/14/2018	6th Street E
Box drag	3/14/2018	Crooked River Road
Box drag	3/14/2018	Duvall Road
Box drag	3/14/2018	McIntyre Road
Travel	3/14/2018	McIntyre Road

0

District 2**Material HAUL From:**

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Debris	3/5/2018	Stock Pile, CR 370 - Alligator Drive - Alligator	36	0
Debris	3/6/2018	Stock Pile, CR 370 - Alligator Drive - Alligator	36	0

Debris	TOTAL		72	0
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Litter	3/1/2018	CR67	3	0
Litter	3/5/2018	Oleader Terrace	0.20000003	0
Litter	3/5/2018	Oak Street	0.20000003	0
Litter	3/5/2018	Florida Avenue	0.20000003	0
Litter	3/5/2018	Franklin Street	0.20000003	0
Litter	3/5/2018	Hinton Street	0.20000003	0
Litter	3/5/2018	Putnal Street	0.20000003	0
Litter	3/5/2018	Rio Vista Drive	0.20000003	0
Litter	3/5/2018	CR67	0.40000006	0
Litter	3/6/2018	Kendrick Road	0.20000003	0
Litter	3/6/2018	Carlton Millender Road	0.20000003	0
Litter	3/6/2018	Baywood Drive	0.20000003	0
Litter	3/6/2018	Sanborn Road	0.20000003	0
Litter	3/6/2018	Maxine Road	0.20000003	0
Litter	3/6/2018	West Drive	0.20000003	0
Litter	3/7/2018	CR67	0.20000003	0
Litter	3/7/2018	Lake Morality Road	0.20000003	0
Litter	3/12/2018	CR67	1	0
Litter	3/13/2018	CR67	2	0
Litter	3/14/2018	Pine Log Drive	1	0

Litter	TOTAL		10.40000005	0
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Trees	3/5/2018	Stock Pile, CR 370 - Alligator Drive - Alligator	54	0
Trees	3/6/2018	Stock Pile, CR 370 - Alligator Drive - Alligator	36	0

Trees	TOTAL		90	0
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Material HAUL To:

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Black Dirt	3/6/2018	12th Street NE	3	0

Black Dirt	TOTAL		3	0
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Dirty 89 Lime Rock	3/8/2018	Arizona Street	2	0
Dirty 89 Lime Rock	3/8/2018	11th Street NE	1	0
Dirty 89 Lime Rock	3/8/2018	CR67	4	0
Dirty 89 Lime Rock	3/14/2018	McIntyre Road	9	0
Dirty 89 Lime Rock	3/14/2018	Crooked River Road	9	0

Dirty 89 Lime Rock	TOTAL		25	0
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District 3**Work Performed:**

	<u>Date</u>	<u>Road</u>		
Litter Pickup	3/7/2018	Earl King Street		
Litter Pickup	3/8/2018	22nd Avenue		
Litter Pickup	3/8/2018	20th Avenue		
Litter Pickup	3/8/2018	Weems Memorial Hospital		
Litter Pickup	3/8/2018	Apalachicola Health Dept		
Litter Pickup	3/8/2018	Coach Wagner Blvd (14th Street)		
Litter Pickup	3/8/2018	Avenue I		
Litter Pickup	3/8/2018	21st Avenue		

District 3**Work Performed:**

<u>Work Performed:</u>	<u>Date</u>	<u>Road</u>
Litter Pickup	3/8/2018	23rd Avenue
Litter Pickup	3/12/2018	Weems Memorial Hospital
Litter Pickup	3/12/2018	Avenue I
Litter Pickup	3/12/2018	Coach Wagner Blvd (14th Street)
Litter Pickup	3/12/2018	James Clay Street
Litter Pickup	3/14/2018	23rd Avenue
Litter Pickup	3/14/2018	22nd Avenue

0

District 4**Work Performed:**

<u>Work Performed:</u>	<u>Date</u>	<u>Road</u>
Litter Pickup	3/1/2018	Brownsville Road
Litter Pickup	3/1/2018	Pal Rivers Road
Litter Pickup	3/1/2018	26th Avenue
Litter Pickup	3/1/2018	Bluff Road
Litter Pickup	3/5/2018	Apalachee Street
Culvert installation	3/5/2018	Paradise Lane
Litter Pickup	3/6/2018	Connector Road
Litter Pickup	3/6/2018	Pinewood Street
Litter Pickup	3/6/2018	Rosemont Street
Litter Pickup	3/6/2018	Highland Park Road
Litter Pickup	3/6/2018	Cypress Street
Litter Pickup	3/6/2018	Squire Road
Litter Pickup	3/6/2018	Bluff Road
Litter Pickup	3/6/2018	Pal Rivers Road
Litter Pickup	3/6/2018	Pal Rivers Road
Driveway repair	3/6/2018	Paradise Lane
Litter Pickup	3/6/2018	Bluff Road
Litter Pickup	3/6/2018	Pine Log Road
Litter Pickup	3/6/2018	Paradise Lane
Litter Pickup	3/6/2018	Magnolia Circle
Litter Pickup	3/7/2018	Alan Drive
Litter Pickup	3/7/2018	Marks Street
Litter Pickup	3/7/2018	Chapman Road
Litter Pickup	3/7/2018	Bay Shore Drive
Litter Pickup	3/7/2018	Teat Road
Litter Pickup	3/7/2018	Oyster Road
Litter Pickup	3/7/2018	Thomas Drive
Parks & Rec Maint., Cut Trees down and removed	3/7/2018	Soccer Field (New) D.W. Wilson Park
Litter Pickup	3/7/2018	Tilton Road
Litter Pickup	3/7/2018	Brownsville Road
Litter Pickup	3/7/2018	Moses Road
Parks & Rec Maint., Cut Trees down and removed	3/7/2018	Soccer Field (New) D.W. Wilson Park
Loaded Trucks, Parks & Rec Maint.	3/7/2018	Soccer Field (New) D.W. Wilson Park
Parks & Rec Maint., Leveled ground, Dug out material (lime rock, dirt, mill asphalt, ect.)	3/7/2018	Soccer Field (New) D.W. Wilson Park
Parks & Rec Maint., Cut Trees down and removed	3/7/2018	Soccer Field (New) D.W. Wilson Park
Litter Pickup	3/7/2018	26th Avenue
Parks & Rec Maint., Leveled ground	3/8/2018	Soccer Field (New) D.W. Wilson Park
Loaded Trucks	3/8/2018	Soccer Field (New) D.W. Wilson Park

District 4**Work Performed:**

<u>Work Performed:</u>	<u>Date</u>	<u>Road</u>
Parks & Rec Maint., Cut Trees down and removed	3/8/2018	Soccer Field (New) D.W. Wilson Park
Parks & Rec Maint., Cut Trees down and removed	3/8/2018	Soccer Field (New) D.W. Wilson Park
Dig up Trees to be removed	3/8/2018	Soccer Field (New) D.W. Wilson Park
Litter Pickup	3/12/2018	Bluff Road
Litter Pickup	3/12/2018	Pal Rivers Road
Litter Pickup	3/12/2018	Health Department (Apalachicola)
Sign Maintenance	3/12/2018	26th Avenue
Litter Pickup	3/12/2018	Jakie Whitehurst Street
Litter Pickup	3/12/2018	Bluff Road
Litter Pickup	3/12/2018	Gibson Road
Parks & Rec Maint., Remove Trees	3/12/2018	Soccer Field (New) D.W. Wilson Park
Parks & Rec Maint., Remove Trees	3/12/2018	Soccer Field (New) D.W. Wilson Park
Leveled ground	3/12/2018	Soccer Field (New) D.W. Wilson Park
Dig up Trees to be removed	3/12/2018	Soccer Field (New) D.W. Wilson Park
Loaded Trucks	3/12/2018	Soccer Field (New) D.W. Wilson Park
	3/12/2018	Soccer Field (New) D.W. Wilson Park
Litter Pickup	3/12/2018	26th Avenue
Litter Pickup	3/13/2018	CR30A
Litter Pickup	3/13/2018	10 Mile
Litter Pickup	3/13/2018	8 Mile
Parks & Rec Maint., Leveled ground	3/13/2018	Soccer Field (New) D.W. Wilson Park
Pushed, Parks & Rec Maint.	3/13/2018	Soccer Field (New) D.W. Wilson Park
Weed Eat & Cut Grass around signs & Culverts, Cut grass along shoulders of road on county right of way, Rake, Litter Pickup	3/14/2018	Health Department (Apalachicola)
Driveway repair	3/14/2018	US HWY 98 (Apalachicola, Smokey)
Driveway repair	3/14/2018	Thomas Drive
Litter Pickup	3/14/2018	Brownsville Road
Litter Pickup	3/14/2018	26th Avenue
Leveled ground, Parks & Rec Maint.	3/14/2018	Soccer Field (New) D.W. Wilson Park
Loaded Trucks, Parks & Rec Maint.	3/14/2018	Soccer Field (New) D.W. Wilson Park
Leveled ground, Parks & Rec Maint.	3/14/2018	Soccer Field (New) D.W. Wilson Park

0**Material HAUL From:**

<u>Material HAUL From:</u>	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Debris	3/7/2018	Soccer Field (New) D.W. Wilson Park	9	0
Debris		TOTAL	9	0
Litter	3/1/2018	Bluff Road	3	0
Litter	3/5/2018	Apalachee Street	0.20000003	0
Litter	3/6/2018	Bluff Road	4	0
Litter	3/12/2018	Gibson Road	0.20000003	0
Litter	3/12/2018	Jakie Whitehurst Street	0.20000003	0
Litter	3/12/2018	Bluff Road	0.20000003	0
Litter	3/13/2018	8 Mile	1	0
Litter	3/13/2018	10 Mile	1	0
Litter	3/13/2018	CR30A	1	0
Litter	3/14/2018	Bluff Road	1	0
Litter	3/14/2018	Pal Rivers Road	1	0
Litter		TOTAL	12.80000001	0
Trees	3/7/2018	Soccer Field (New) D.W. Wilson Park	90	0

District 4**Material HAUL From:**

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Trees	3/7/2018	Soccer Field (New) D.W. Wilson Park	108	0
Trees	3/8/2018	Soccer Field (New) D.W. Wilson Park	45	0
Trees	3/8/2018	Soccer Field (New) D.W. Wilson Park	72	0
Trees	3/8/2018	Soccer Field (New) D.W. Wilson Park	54	0
Trees	3/12/2018	Soccer Field (New) D.W. Wilson Park	9	0

Trees		TOTAL	378	0
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Material HAUL To:

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Black Dirt	3/5/2018	Paradise Lane	18	0
Black Dirt	3/8/2018	Soccer Field (New) D.W. Wilson Park	90	0
Black Dirt	3/8/2018	Soccer Field (New) D.W. Wilson Park	72	0
Black Dirt	3/12/2018	Soccer Field (New) D.W. Wilson Park	144	0
Black Dirt	3/12/2018	Soccer Field (New) D.W. Wilson Park	108	0
Black Dirt	3/13/2018	Soccer Field (New) D.W. Wilson Park	324	0
Black Dirt	3/13/2018	Soccer Field (New) D.W. Wilson Park	234	0
Black Dirt	3/14/2018	Soccer Field (New) D.W. Wilson Park	36	0
Black Dirt	3/14/2018	Soccer Field (New) D.W. Wilson Park	18	0
Black Dirt	3/14/2018	Soccer Field (New) D.W. Wilson Park	72	0

Black Dirt		TOTAL	1116	0
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Dirty 89 Lime Rock	3/6/2018	Paradise Lane	8	0
Dirty 89 Lime Rock	3/14/2018	US HWY 98 (Apalachicola, Smokey)	3	0
Dirty 89 Lime Rock	3/14/2018	Thomas Drive	3	0

Dirty 89 Lime Rock		TOTAL	14	0
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Sand	3/5/2018	Paradise Lane	18	0
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Sand		TOTAL	18	0
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District 5**Work Performed:**

	<u>Date</u>	<u>Road</u>
Box drag	3/1/2018	St Teresa Ave
Pot hole Repair (Fill)	3/1/2018	State Street
Pot hole Repair (Fill)	3/1/2018	Bear Creek Rd
Culvert repair	3/5/2018	Tricia's Way
Culvert repair	3/5/2018	CC Land
Sign Maintenance	3/5/2018	Beacon Street
Litter Pickup	3/5/2018	Beacon Street
Culvert installation	3/5/2018	CC Land
Litter Pickup	3/5/2018	Frank McKamey Way
Litter Pickup	3/5/2018	Lighthouse Road
Pot hole Repair (Fill)	3/6/2018	Grays Avenue
Litter Pickup	3/6/2018	Airport Road
Shoulder Work, Pot hole Repair (Fill)	3/6/2018	Avenue K N
Pot hole Repair (Fill)	3/6/2018	Avenue K N
Litter Pickup	3/6/2018	Ridge Road
Litter Pickup	3/7/2018	Lighthouse Road
Litter Pickup	3/7/2018	Timber Island Road
Litter Pickup	3/7/2018	Cape Street
Litter Pickup	3/7/2018	Jonna Drive
Litter Pickup	3/7/2018	Beacon Street
Litter Pickup	3/7/2018	Lagoon Street

District 5**Work Performed:**

	<u>Date</u>	<u>Road</u>
Litter Pickup	3/7/2018	Messer Road
Litter Pickup	3/7/2018	Woodill Road
Litter Pickup	3/7/2018	Frank McKamey Way
Pot hole Repair (Fill), Shoulder Work	3/8/2018	Avenue C N
Box drag	3/8/2018	5th Street E
Box drag	3/8/2018	6th Street
Sign Maintenance	3/8/2018	Magnolia Court
Driveway repair	3/12/2018	CC Land
Culvert Misc, Culvert repair	3/13/2018	CC Land
Litter Pickup	3/13/2018	CC Land
Culvert Misc, Culvert repair	3/13/2018	Wilderness Road
Culvert Misc, Culvert repair	3/13/2018	Whispering Pines Drive
Shoulder Work, Intersections (filled in pot holes)	3/13/2018	Grays Avenue
Litter Pickup	3/13/2018	65 State Road
Pot hole Repair (Fill), Shoulder Work	3/13/2018	2nd Street W
Litter Pickup	3/13/2018	65 State Road
Shoulder Work, Intersections (filled in pot holes)	3/13/2018	2nd Street W
Box drag	3/14/2018	7th Street E
Box drag	3/14/2018	5th Street E
Weed Eat & Cut Grass around signs & Culverts, Cut grass along shoulders of road on county right of way, Rake, Litter Pickup	3/14/2018	Tourist Development Center

0

Material HAUL From:

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Litter	3/5/2018	Palmetto Drive	0.200000003	0
Litter	3/6/2018	Airport Road	0.200000003	0
Litter	3/6/2018	Ridge Road	1	0
Litter	3/7/2018	Jonna Drive	0.200000003	0
Litter	3/7/2018	Woodill Road	0.200000003	0
Litter	3/7/2018	Frank McKamey Way	0.200000003	0
Litter	3/7/2018	Messer Road	0.200000003	0
Litter	3/7/2018	Lagoon Street	0.200000003	0
Litter	3/7/2018	Beacon Street	0.200000003	0
Litter	3/7/2018	Cape Street	0.200000003	0
Litter	3/7/2018	Timber Island Road	0.200000003	0
Litter	3/7/2018	Lighthouse Road	0.200000003	0
Litter	3/13/2018	CC Land	1	0
Litter	3/14/2018	Tourist Development Center	3	0

Litter**TOTAL****7.200000033 0****Material HAUL To:**

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Black Dirt	3/5/2018	CC Land	18	0
Black Dirt	3/6/2018	Avenue K N	3	0
Black Dirt	3/13/2018	2nd Street W	18	0

Black Dirt**TOTAL****39 0**

Dirty 89 Lime Rock	3/5/2018	CC Land	18	0
Dirty 89 Lime Rock	3/8/2018	Avenue C N	1	0
Dirty 89 Lime Rock	3/12/2018	CC Land	9	0
Dirty 89 Lime Rock	3/13/2018	2nd Street W	4	0
Dirty 89 Lime Rock	3/13/2018	Grays Avenue	4	0

District 5**Material HAUL To:**

	<u>Date</u>	<u>Road</u>	<u>Cubic Yards</u>	<u>Tons</u>
Dirty 89 Lime Rock		TOTAL	36	0
Milled Asphalt	3/1/2018	State Street	0.100000001	0
Milled Asphalt	3/1/2018	Bear Creek Rd	0.100000001	0
Milled Asphalt		TOTAL	0.200000003	0
Rip Rap	3/5/2018	CC Land	4	0
Rip Rap	3/5/2018	Tricia's Way	4	0
Rip Rap	3/13/2018	CC Land	2	0
Rip Rap	3/13/2018	Whispering Pines Drive	2	0
Rip Rap	3/13/2018	Wilderness Road	2	0
Rip Rap		TOTAL	14	0



FRANKLIN COUNTY DEPARTMENT OF

Solid Waste & Recycling ❖ Animal Control ❖ Parks & Recreation
 210 State Road 65
 Eastpoint, Florida 32328
 Tel.: 850-670-8167
 Fax: 850-670-5716
 Email: fcswd@fairpoint.net

DIRECTOR’S REPORT

FOR: The Franklin County Board of County Commissioners

DATE: March 20, 2018

TIME: 9:00 A.M.

SUBJECT(S):

Right-of-Way Debris Pickup/Recycle Material Hauled March 1st – March 14th
FOR BOARD INFORMATION:

March 1st – March 14th
RIGHT-OF-WAY DEBRIS PICKUP

Apalachicola	Eastpoint	St George Island	Carrabelle	Lanark	Alligator Point
50.07 TONS	90.24 TONS	23.59 TONS	38.63 TONS	-0- TONS	-0- TONS

RECYCLE MATERIAL HAULED

	Apalachicola	Eastpoint	St George Island	Carrabelle	Lanark	Alligator Point	St James
Cardboard	4. TONS	5.22 TONS	2.0 TONS	1.06 TONS	-0- TONS	-0- TONS	-0- TONS
Plastic, Paper, Glass, Aluminum	3.5 TONS	-0- TONS	2.47 TONS	2.85 TONS	-0- TONS	-0- TONS	1.55 TONS

REQUESTED ACTION: None



28 Airport Road
Apalachicola, Florida 32320
(850) 653-8977, Fax (850) 653-3643
Em3frank@gtcom.net

Report to Board of County Commissioners

Date: March 20, 2018

Action Items: NONE

Information Items:

1. Franklin County EOC Staff continue to promote our Re-Entry Tag program and encourage all residents to apply for their Re-Entry Tag.
2. EOC Staff is updating our Special Needs Database to verify current information of our Special Needs Residents.
3. EOC Staff continue to promote the Alert Franklin System and encourage residents to sign up to receive updates and information from Emergency Management.
4. 03/08/18 EOC Staff attended the Big Bend Health Care Coalition Special Needs Exercise in Tallahassee.
5. 03/15/18 Staff attended the Regional 2 Meeting in Wakulla County where Jennifer Daniels was named the Emergency Management Advisory Working Group (EMAG) Representative for Region 2.
6. 03/21/18 EOC Staff will be participating in the Active Shooter Exercise Planning Meeting #5 at the Franklin County Courthouse.

Pamela Brownell

Pamela Brownell
Director

County Extension Activities March 7, 2018 – March 20, 2018

General Extension Activities:

- Provided citizens with assistance on soil tests, gardening topics, and mole crickets.
- Met at Chapman Botanical Garden with resident Ranger and two of UF's Research staff from the NF Research and Education Center. Discussion took place regarding potential projects that could involve our local 4-H youth in enhancing the native plantings on-site.

Sea Grant Extension:

- Multi-county 40-hour Master Naturalist class is on-going. Last week involved a field trip into Tate's Hell and to Fort Gadsden in Franklin County to explore freshwater wetland ecosystems.
- Participated in weekly conference call to coordinate Sea turtle lighting project work.
- Met with FWC and DEP in Tallahassee to discuss project work for the multi-county Dark Skies turtle lighting project and a potential grant extension.
- Submitted local sea turtle project information/results for a possible award from the Assoc. of Natural Resource Extension Professionals at their upcoming meeting in April.

4-H Youth Development:

- The Tropicana Public Speaking County competition took place on March 15 at the Franklin County K-12 School. 10 contestants presented speeches and awards were presented to the first 4 places in the 4th/5th grade grouping and the 6th grade grouping from the K-12 school and the ABC School. A full summer camp scholarship was also awarded to the 1st place winner in each of the two groupings.
- Extension Director met with new Camp Timpooshee Director to discuss the upcoming summer camping season.

Family Consumer Sciences:

- Family Nutrition Program Assistant teaching scheduled classroom programs in local schools.
- Wakulla FCS Agent presenting "Cooking with Herbs" program at Eastpoint Library.

University of Florida's Institute of Food and Agricultural Sciences

Franklin County Educational Team

Erik Lovestrand, County Extension Director/Sea Grant Regional Specialized Agent

Michelle Huber, Office Manager/Program Assistant, Franklin County

Kayle Mears, Family Nutrition Program Assistant

Samantha Kennedy, Wakulla County Family and Consumer Sciences

Rachel Pienta, Ph.D., Wakulla County 4-H Youth Development

Scott Jackson, Sea Grant/Agriculture/Technology, Regional Specialized Agent Bay County

Melanie G. Taylor, Gulf County 4-H/Family and Consumer Sciences

Ray Bodrey, Gulf County CED/Agriculture/Horticulture/Sea Grant

Heather Kent, 4-H Regional Specialized Agent

Les Harrison, Wakulla County CED/Agriculture/Small Farms/Horticulture

John Wells, Northwest Extension District Information Technology Expert

Pete Vergot III, Ph.D., Northwest District Extension Director

The Foundation for The Gator Nation

An Equal Opportunity Institution

Action Item: Requesting approval from the Board of County Commissioners for the conversion of the current Carrabelle PT position to FT Status. If approved, the conversion is requested to be effective April 2018.

The conversion allows for necessary staff hours of availability to provide adequate coverage of Library services and programs offered. The number of programs offered has increased significantly over the past year and customer attendance for general use of the library is increasing consistently, including circulation, online and public computer access.

Monthly Update Programs and Resources:

- Carrabelle Branch will be closed Good Friday, March 30 and Saturday, March 31
- AARP Free Tax Aide: Continues through April 12, alternating Thursday's between branches
- Computer Classes, Tuesdays in March for booking an hour of one-on-one instruction of topics taught during the February classes, including Windows 10, Excel, and Facebook
- Adult Gardening Programs: Eastpoint, March 20 at 1:30, Totally Tomatoes: Tips, Tricks and Techniques for Success, – April Topic: Pick-a-Pepper: Production Protocols for the Perfect Capsicum Cultivar, Carrabelle, April 10 and Eastpoint, April 17
- The Basics of Better Living Program: April Topic: Extreme Recipe Makeover, program at Carrabelle, Friday April 6 at 1:30 and at Eastpoint, Friday April 20 at 1:30 pm
- Friday Movie Night in Carrabelle, April 20 at 6:00, Movie Title: Wonder
- February was the Annual Friends of the Library Soup, Bread, and Book Sales at Eastpoint and Carrabelle. Thanks to all who participated. More than \$2300 raised
- Midwinter Update for February: FCPL locations had another increase in circulation and attendance stats in a comparison between Feb 2017 and Feb 2018.
 - Carrabelle circulation was up 33% and Eastpoint was up 5%
 - Carrabelle attendance, 100% increase, Feb 2017 = 1659, Feb 2018 = 3293
 - Eastpoint attendance, 24% increase, Feb 2017 = 2194, Feb 2018 = 2729
- Music as a Second Language is entering the 10th week, 20 students participating this session.
- Eastpoint Branch is now operating by regular (summer) hours, Monday – Friday 9:00 – 6:00 pm

General Monthly Calendar of Events:

- Eastpoint and Carrabelle: Monthly Book Chats, Book Socials, Yoga (4 sessions, Mon-Wed, Fri. in Carrabelle), Yoga (Tuesday's, 1st & 3rd Friday's – Eastpoint)
- Eastpoint: Steam 2 (ages 5-7), Monday's at 10:30 am, Steam (ages 8-12), Thursday's at 3:30; Storytime (ages 1-4) monthly, Wednesday's at 10:30, Teen Book Club (6th – 12th grade) 1st Monday each month, 2:00 pm)
- Carrabelle: MakerSpace Club (ages 5-13), Thursdays at 4:00, Storytime (ages 1-4) Friday's at 10:30 (Storytime temporarily on hold due to scheduling conflicts)
- Carrabelle: Free Friday Movie Nights, 1 Friday per month, movie at 6:00



BOCC Report March 20, 2018

Numbers : (Attached)

- Collections – Collections through December continue their erratic performance. Collections in December were \$ 37,182.43 which was a decrease of \$ 4,398.06 over December 2016. Overall for this fiscal year we are flat even compared to last year. Mr. Blair is beginning to work on our budget for next year and will look closely at our numbers in April to be sure our proposed budget reflects these variations.

Web Site:

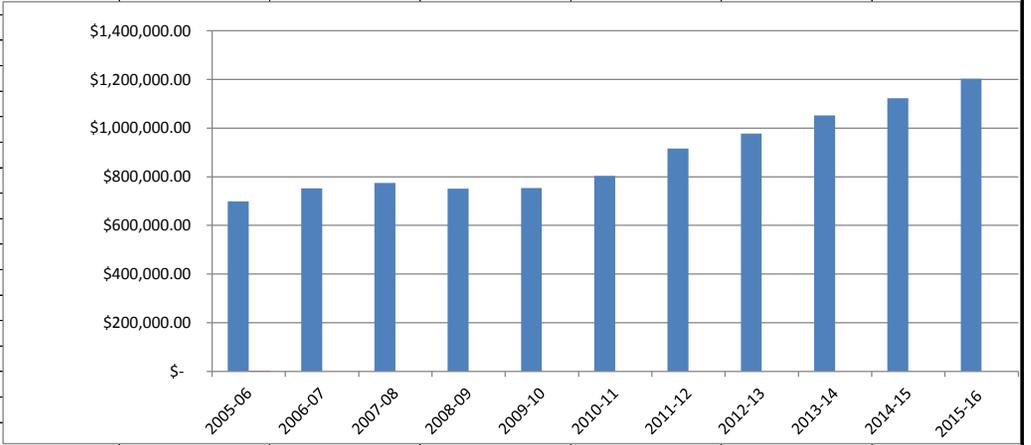
Our new Web Site has been launched. You may find it at www.floridasforgottencoast.com. We hope you enjoy it.

Legislation:

The Florida Legislature has adjourned and fortunately the most egregious bills did not make it through the process. Most of what we considered "bad" bills never made it out of the Senate. We are still reviewing the results and will give a more complete report in April.

**FCTDC COLLECTIONS REPORT
FRANKLIN COUNTY, FLORIDA**

Franklin County Tourist Development Council - Reported Collections By Fiscal Years											
AGENDA Item #3											
Month	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
October	\$ 35,408.91	\$ 32,809.57	\$ 39,697.19	\$ 38,597.69	\$ 39,568.32	\$ 36,996.34	\$ 48,383.10	\$ 53,543.22	\$ 57,651.88	\$ 58,875.87	\$ 75,084.59
November	\$ 24,824.38	\$ 24,717.35	\$ 27,182.76	\$ 25,888.92	\$ 25,863.47	\$ 26,438.49	\$ 34,441.98	\$ 40,334.08	\$ 34,740.65	\$ 40,065.78	\$ 44,449.24
December	\$ 20,421.74	\$ 16,055.89	\$ 22,986.95	\$ 23,167.33	\$ 16,530.96	\$ 19,936.19	\$ 21,597.00	\$ 21,510.93	\$ 29,747.90	\$ 30,978.80	\$ 24,692.82
January	\$ 19,681.48	\$ 26,489.68	\$ 22,911.37	\$ 22,960.20	\$ 26,170.57	\$ 23,359.12	\$ 30,392.62	\$ 33,657.09	\$ 34,707.03	\$ 38,805.36	\$ 47,001.63
February	\$ 29,294.47	\$ 44,900.59	\$ 40,835.29	\$ 39,452.32	\$ 33,678.97	\$ 34,980.88	\$ 52,045.79	\$ 49,365.87	\$ 52,883.10	\$ 42,754.53	\$ 64,493.95
March	\$ 51,243.40	\$ 45,643.22	\$ 61,090.70	\$ 49,778.57	\$ 53,116.79	\$ 61,989.52	\$ 66,597.90	\$ 80,880.36	\$ 78,180.12	\$ 83,626.43	\$ 80,017.67
April	\$ 69,608.73	\$ 70,430.06	\$ 66,135.24	\$ 73,880.65	\$ 53,934.68	\$ 70,610.82	\$ 81,641.55	\$ 90,242.68	\$ 81,115.14	\$ 101,310.37	\$ 103,120.37
May	\$ 100,486.16	\$ 114,100.71	\$ 123,221.80	\$ 104,769.28	\$ 120,470.95	\$ 90,634.75	\$ 140,203.97	\$ 115,589.54	\$ 135,897.45	\$ 143,700.44	\$ 131,348.44
June	\$ 107,484.39	\$ 166,403.90	\$ 138,839.79	\$ 143,507.76	\$ 151,640.61	\$ 172,029.99	\$ 143,805.29	\$ 195,838.11	\$ 210,505.76	\$ 195,093.30	\$ 213,948.96
July	\$ 149,857.23	\$ 95,128.02	\$ 128,027.35	\$ 131,276.62	\$ 114,121.18	\$ 147,874.24	\$ 140,000.40	\$ 153,197.77	\$ 164,199.99	\$ 182,235.52	\$ 253,603.30
August	\$ 51,353.14	\$ 69,863.99	\$ 57,497.82	\$ 56,312.21	\$ 71,377.70	\$ 60,698.01	\$ 93,912.12	\$ 86,742.96	\$ 107,783.56	\$ 129,879.50	\$ 82,664.07
September	\$ 38,597.72	\$ 46,282.27	\$ 45,739.57	\$ 41,298.87	\$ 47,760.09	\$ 57,592.93	\$ 63,037.18	\$ 57,170.58	\$ 64,199.48	\$ 75,778.00	\$ 81,869.35
Totals	\$ 698,261.75	\$ 752,825.25	\$ 774,165.83	\$ 750,890.42	\$ 754,234.29	\$ 803,141.28	\$ 916,058.90	\$ 978,073.19	\$ 1,051,612.06	\$ 1,123,103.90	\$ 1,202,294.39
		\$ 54,563.50	\$ 21,340.58	\$ (23,275.41)	\$ 3,343.87	\$ 48,906.99	\$ 112,917.62	\$ 62,014.29	\$ 73,538.87	\$ 71,491.84	\$ 79,190.49
YOY %		7.8%	2.8%	-3.0%	0.4%	6.5%	14.1%	6.8%	7.5%	6.8%	7.1%
Month	2016-17	2017-18	Diff	YTD Change %							
October	\$ 95,107.96	\$ 85,823.35	\$ (9,284.61)	-9.8%							
November	\$ 46,043.65	\$ 49,440.74	\$ 3,397.09	7.4%							
December	\$ 41,580.49	\$ 37,182.43	\$ (4,398.06)	-10.6%							
January	\$ 41,668.57										
February	\$ 60,422.61										
March	\$ 84,583.19										
April	\$ 89,949.68										
May	\$ 110,484.59										
June	\$ 226,795.48										
July	\$ 242,036.51										
August	\$ 121,808.90										
September	\$ 90,214.19										
Totals	\$ 1,250,695.82	\$ 172,446.52	\$ (10,285.58)	-0.8%							
File:TDCCollectionsytd/xl											
Updated 03/07/2018											



FRANKLIN COUNTY
ADVISORY BOARD OF ADJUSTMENT CONSENT AGENDA

TUESDAY, MARCH 20, 2018

**FRANKLIN COUNTY COURTHOUSE ANNEX
34 FORBES STREET, APALCHICOLA, FLORIDA**

PLEASE NOTE: THE ADVISORY BOARD OF ADJUSTMENT MAKES RECOMMENDATIONS TO THE FRANKLIN COUNTY BOARD OF COUNTY COMMISSIONERS REGARDING YOUR APPLICATION. ALL APPLICANTS ARE NOTIFIED THAT IF YOUR APPLICATION IS DENIED, IT MAY NOT BE RESUBMITTED FOR ONE YEAR. ALSO, ANY PERSON WISHING TO APPEAL THE RECOMMENDATIONS OF THE ADVISORY BOARD OF ADJUSTMENT OR THE DECISION OF THE FRANKLIN COUNTY BOARD OF COUNTY COMMISSIONER BOARD ARE RESPONSIBLE TO ENSURE THAT A VERBATIM TRANSCRIPT OF THE PROCEEDINGS IS MADE.

1. **RECOMMENDED APPROVAL: (Unanimous)** Consideration of a request to construct a house 15' into the front setback on Lot 7, Block 63, Unit 5, 701 Buck Street, St. George Island, Franklin County, Florida. Request submitted by Garlick Environmental Associates Inc, agent for Kenneth Bowman, applicant.

PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

P. O. BOX 385, APALACHICOLA FLORIDA 32329-0385

(850) 653-8899

FAX (850) 653-9656

garlick@garlickenv.com

LB No. 7415

APPLICANT/CLIENT: Ken Bowman

JOB: 18-002

WATERBODY/CLASS: Apalachicola Bay/ClassII/OFW/Aquatic Preserve

DEP:

PURPOSE: Environmental Permitting

COE:

PROJECT LOCATION / USGS: St George Island - Franklin County

OTHER:

LATITUDE: 29° 39' 41.09"

DATE: February 14, 2018

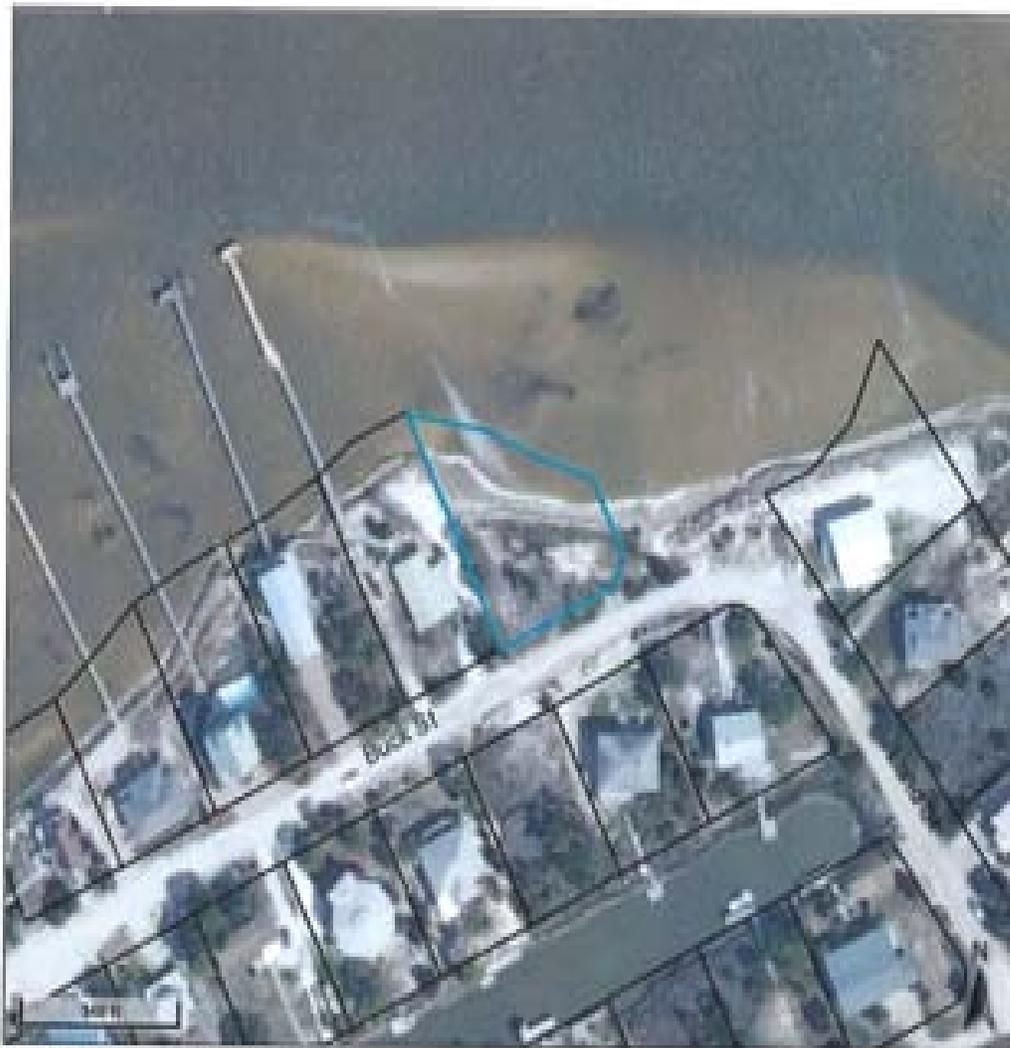
LONGITUDE: 84° 52' 50.29"

SHEET: 1/3

SECTION: 29 TOWNSHIP: 9 South

RNG: 6 West





Overview



Legend

-  Parcels
-  Roads
-  City Labels

Parcel ID	29-095-06W-7215-0063-0070	Alternate ID	06W09529731500630070	Owner Address	BOWMAN KENNETH A & STEPHANIE L 535 BEAR CREEK LANE BOGART, GA 30622
Sec/Twp/Rng	29-95-06W	Class	VACANT		
Property Address	701 BUCK ST	Acres	n/a		
District	1				
Brief Tax Description	UNIT 5 BL 63				

(Note: Not to be used on legal documents)

Date created: 2/14/2008
Last Data Updated: 2/15/2008 9:05:39 PM

Franklin County Planning & Zoning Recommendation Agenda
Tuesday, March 20, 2018

PLEASE NOTE: PLANNING AND ZONING COMMISSION MAKES RECOMMENDATIONS TO THE FRANKLIN COUNTY BOARD OF COMMISSIONERS REGARDING YOUR APPLICATION. ALL APPLICANTS ARE NOTIFIED THAT IF YOUR APPLICATION IS DENIED, IT MAY NOT BE RESUBMITTED FOR ONE YEAR. ALSO, ANY PERSON WISHING TO APPEAL THE RECOMMENDATION OF THE PLANNING AND ZONING COMMISSION OR THE DECISION OF THE FRANKLIN COUNTY BOARD OF COUNTY COMMISSIONER BOARD ARE RESPONSIBLE TO ENSURE THAT A VERBATIM TRANSCRIPT OF THE PRCEEDINGS IS MADE.

CRITICAL SHORELINE APPLICATION:

1. **MOTION TO RECOMMEND: (Unanimous)** Consideration of a request to construct a Single Family Residential Dock located at Lot 2, Tract 42, Gulf Beaches, 1333 East Gulf Beach Drive, St. George Island, Franklin County, FL. The proposed access walkway for the dock will be 490' x 4' with a 10' x 10' terminal platform, and (1) 10' x 20' uncovered boatlifts. The dock will be 2,260 sq. ft. Customer has DEP and Army Corps of Engineer permits. Request submitted by Mark Plummer, owner. (House has been permitted)

PLUMMER PROJECT #1

Exhibit I



PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

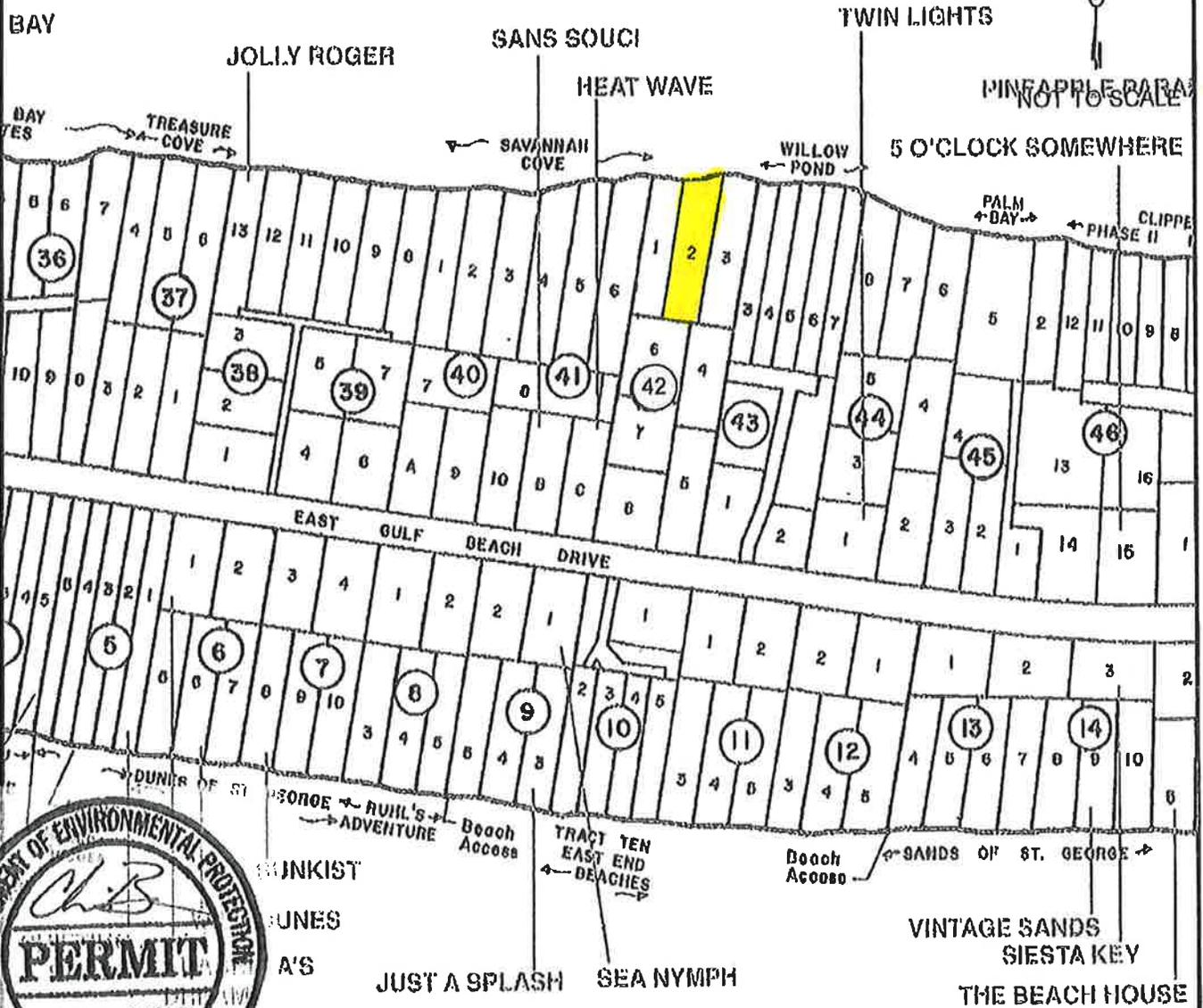
APPLICANT/CLIENT: SWEET P BY THE SEA
 (MARK PLUMMER)
 WATERBODY/CLASS: St George Sound / Class II
 PURPOSE: Environmental Permitting
 PROJECT LOCATION / USGS: Lot 2 / Tract 42 / SGI
 LATITUDE: 29° 40' 39.23"
 LONGITUDE: 84° 49' 28.32"

JOB: 13-040
 DEP:
 COE:
 OTHER:
 DATE: May 21, 2013
 SHEET: 1/6

SECTION: 29 TOWNSHIP: 9 South RANG: 6 West

Island East End

and the Dr. Julian G. Bruce St. George Island State Park. This area consists of one
 ary greatly. The 300 Ocean mile townhome development is also located in this area



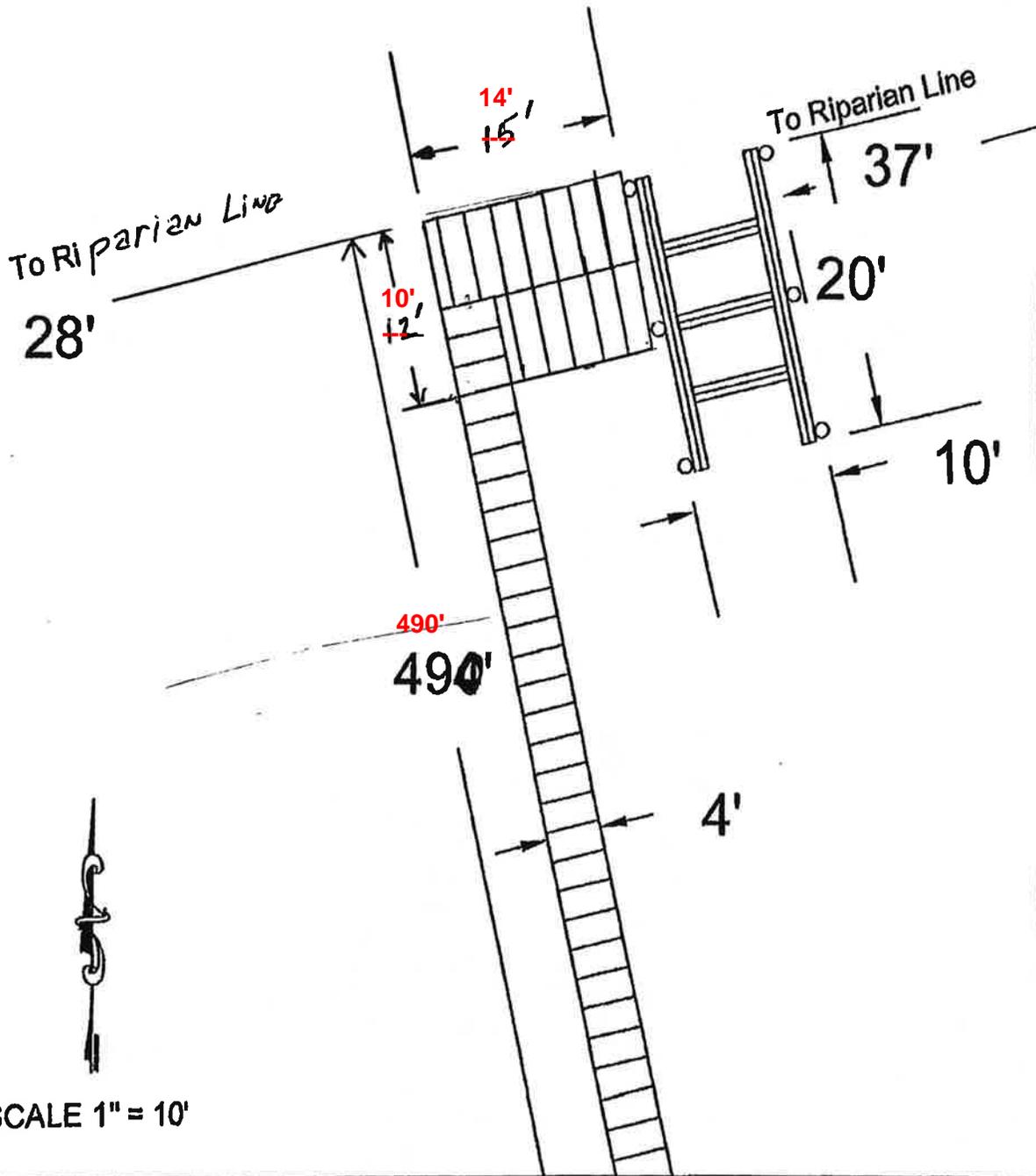


PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.



SWEET P BY THE SEA
APPLICANT/CLIENT: (MARK PLUMMER)
WATERBODY/CLASS: St George Sound / Class II
PURPOSE: Environmental Permitting
PROJECT LOCATION / USGS: Lot 2 / Tract 42 / SOI
LATITUDE: 29° 40' 39.23"
LONGITUDE: 84° 49' 28.32"
SECTION: 29 TOWNSHIP: 9 South RANG: 6 West

JOB: 13-040
DEP:
COE:
OTHER:
DATE: May 21, 2013
SHEET: 4/6



SCALE 1" = 10'

PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

P. O. BOX 385, APALACHICOLA FLORIDA 32329-0385

(850) 653-8899 FAX (850) 653-9656 garlick@garlickenv.com

LB No. 7415

SWEET P BY THE SEA

APPLICANT/CLIENT: (MARK PLUMMER)

JOB: 13-040

WATERBODY/CLASS: St George Sound / ~~Wassli~~ / OFW

DEP:

PURPOSE: Environmental Permitting

COE:

PROJECT LOCATION / USGS: Lot 1 / Tract 42 / SGI

OTHER:

LATITUDE: 29° 40' 39.23"

DATE: May 21, 2013

LONGITUDE: 84° 49' 28.32"

SHEET: 6/6

SECTION: 29 TOWNSHIP: 9 South

RNG: 6 West

Cross Section of Proposed Dock Not to Scale

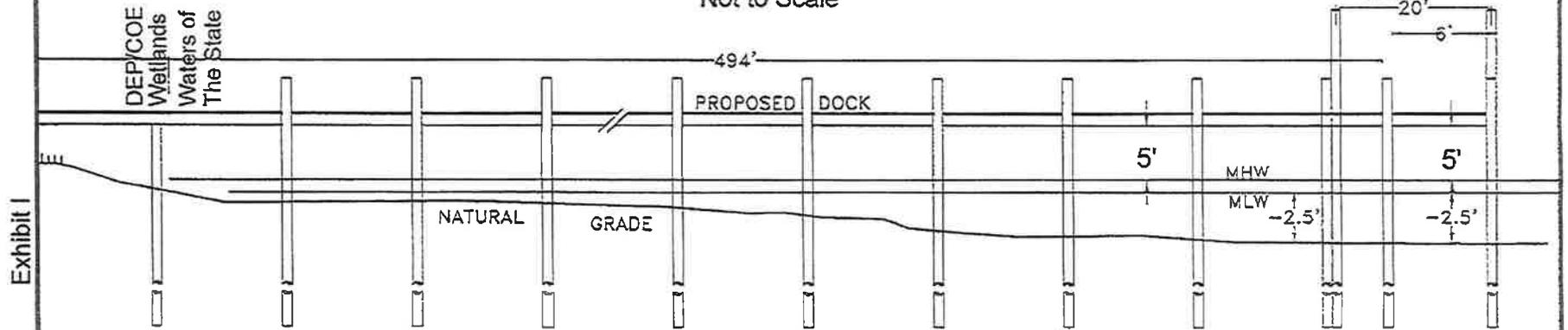
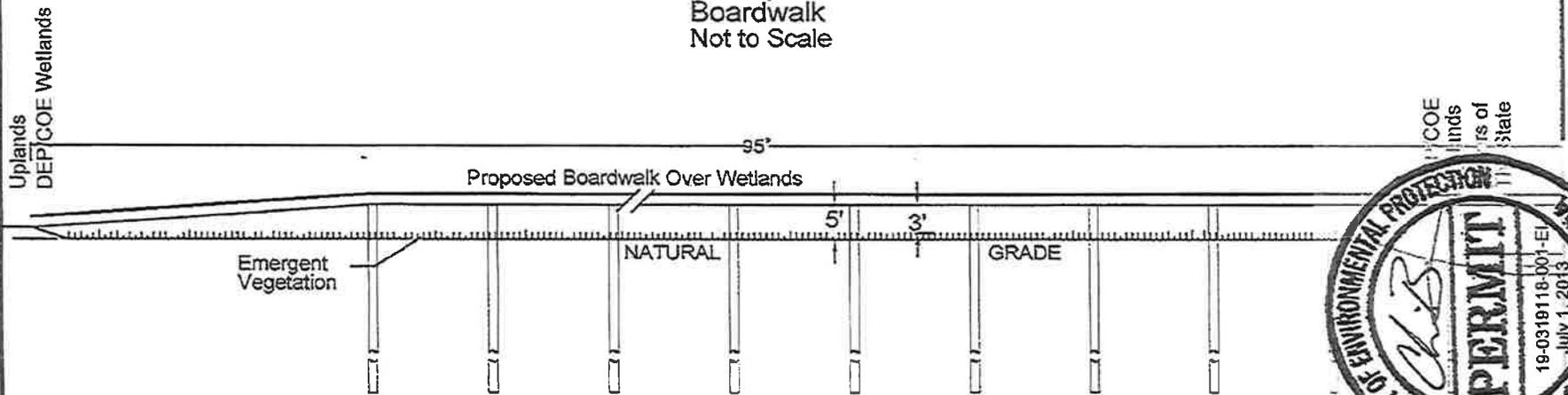


Exhibit I

Cross Section of Proposed Boardwalk Not to Scale



2. **MOTION TO RECOMMEND: (Unanimous)** Consideration of a request to construct a Single Family Residential Dock located at Shell Harbor, Lot 19, also known as 1759 East Gulf Beach Drive, St. George Island, Franklin County Florida. The proposed access walkway for the dock will be a total of 494' x 4' with a 6' x 26' terminal platform, and a 171' x 4' boardwalk with an access walkway constructed over wetlands, and (2) 12' x 20' uncovered boatlifts. Approval will be contingent upon DEP and COE permits. Request submitted by Garlick Environmental Associates. Inc. agent for Joel Stager, applicant. (House Under Construction)

STAGER PROJECT #2

PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

P. O. BOX 385, APALACHICOLA FLORIDA 32329-0385 (850) 653-8899 FAX (850) 653-9656 garlick@garlickenv.com

LB No. 7415

APPLICANT/CLIENT: Joel M. Stager

WATERBODY/CLASS: St George Sound / ClassII / OFW / not AP

PURPOSE: Environmental Permitting

PROJECT LOCATION / USGS: Franklin County - SGI

LATITUDE: 29° 40' 57.67"

LONGITUDE: 84° 48' 17.05"

SECTION: 29 TWSHP: 9 South RNG: 6 West

JOB: 17-116

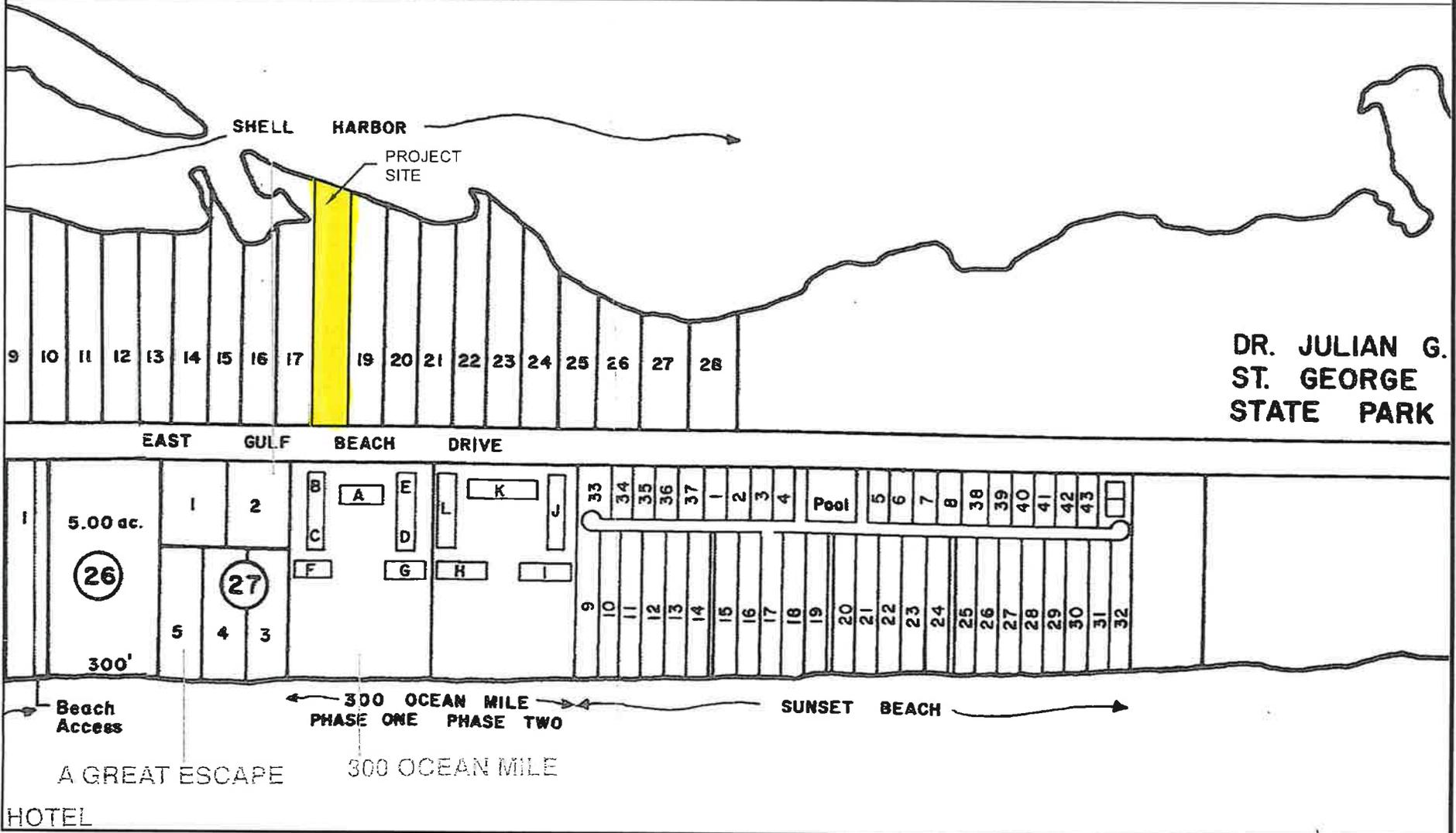
DEP:

COE:

OTHER:

DATE: October 26, 2017

SHEET: 1/4



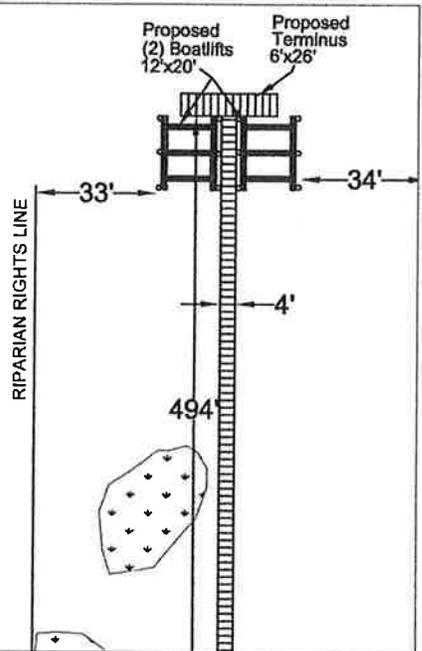
PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.



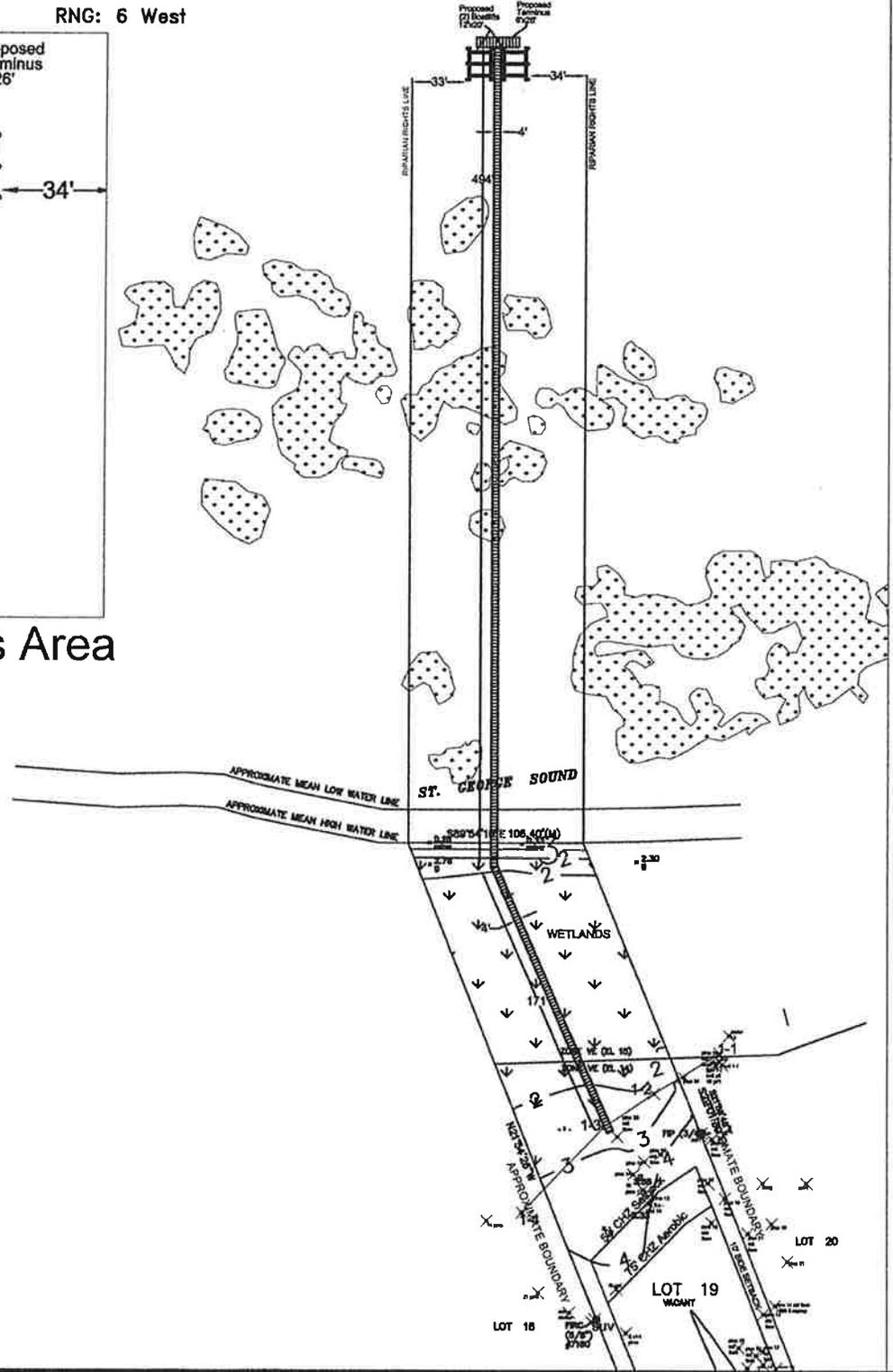
APPLICANT/CLIENT: Joel M. Stager
 WATERBODY/CLASS: St George Sound / ClassII/OFW/ not an AP
 PURPOSE: Environmental Permitting
 PROJECT LOCATION / USGS: SGI - Franklin County
 LATITUDE: 29° 40' 57.67"
 LONGITUDE: 84° 48' 17.05"

JOB: 17-116
 DEP:
 COE:
 OTHER:
 DATE: October 26, 2017
 SHEET: 3/4

SECTION: 29 TOWNSHIP: 9 South RNG: 6 West



Detail of Terminus Area
Scale 1" = 50'



Scale 1" = 100'

PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

P. O. BOX 385, APALACHICOLA FLORIDA 32329-0385

(850) 653-8899

FAX (850) 653-9656

garlick@garlickenv.com

LB No. 7415

APPLICANT/CLIENT: Joel M. Stager

JOB: 17-116

WATERBODY/CLASS: St George Sound / ClassII / OFW / not an APDEP:

PURPOSE: Environmental Permitting

COE:

PROJECT LOCATION / USGS: Franklin County - SGI

OTHER:

LATITUDE: 29° 40' 57.67 "

DATE: October 26, 2017

LONGITUDE: 84° 48' 17.05 "

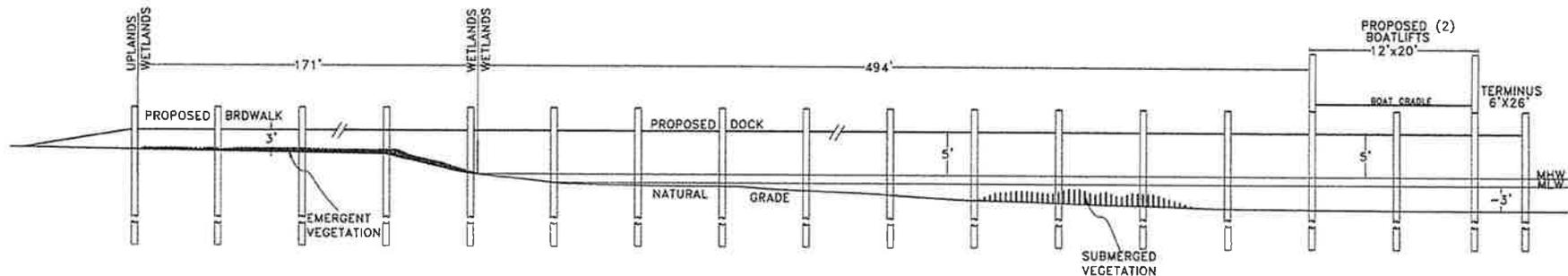
SHEET: 4/4

SECTION: 29 TOWNSHIP: 9 South

RNG: 6 West

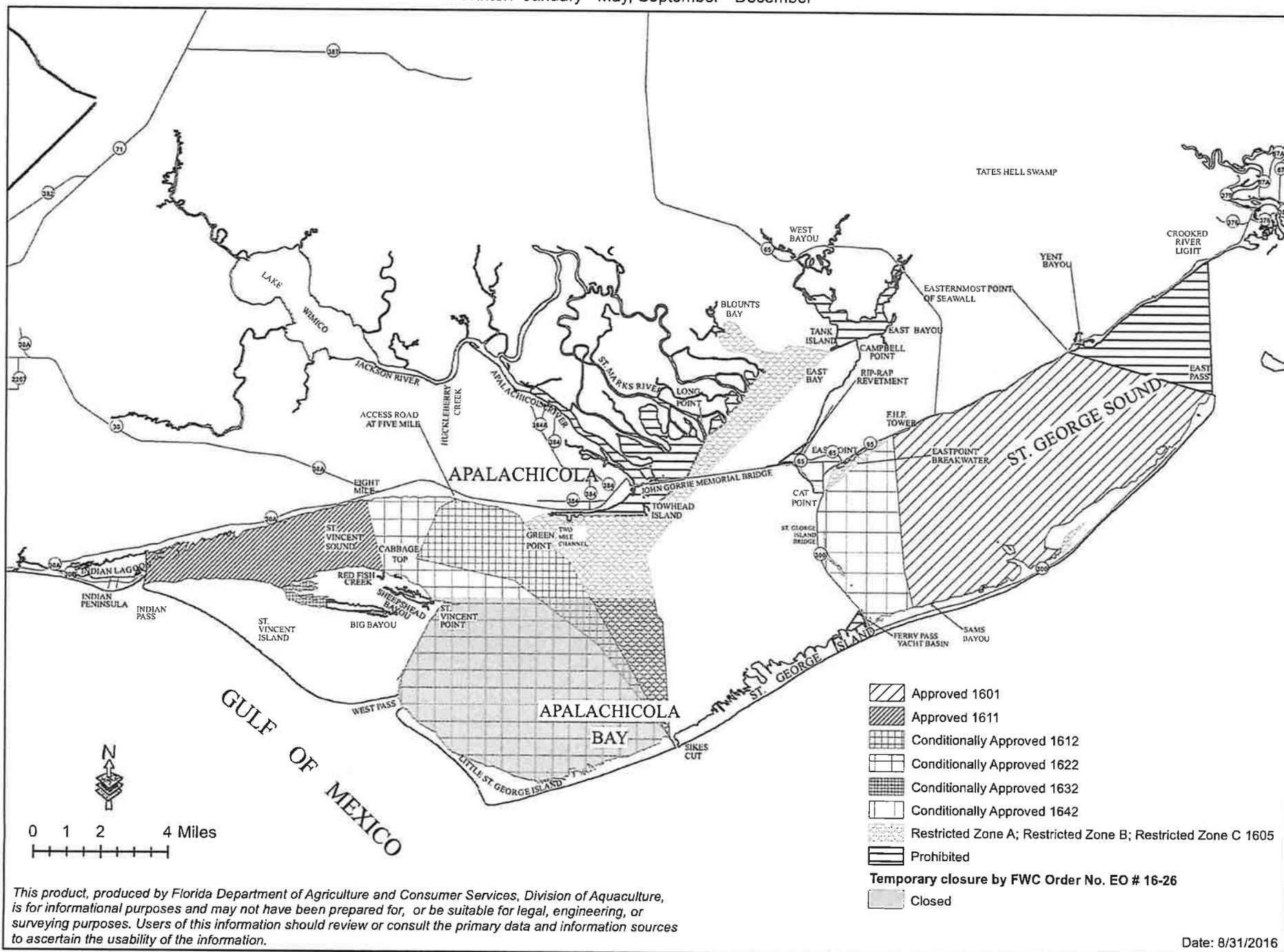


Profile Drawing
of Proposed Dock
Not To Scale



These drawings are for
permitting purposes
only. Not intended for
construction purposes

SHELLFISH HARVESTING AREA CLASSIFICATION MAP #16A
Apalachicola Bay System (#16) Shellfish Harvesting Area in Franklin County
 Winter: January - May, September - December



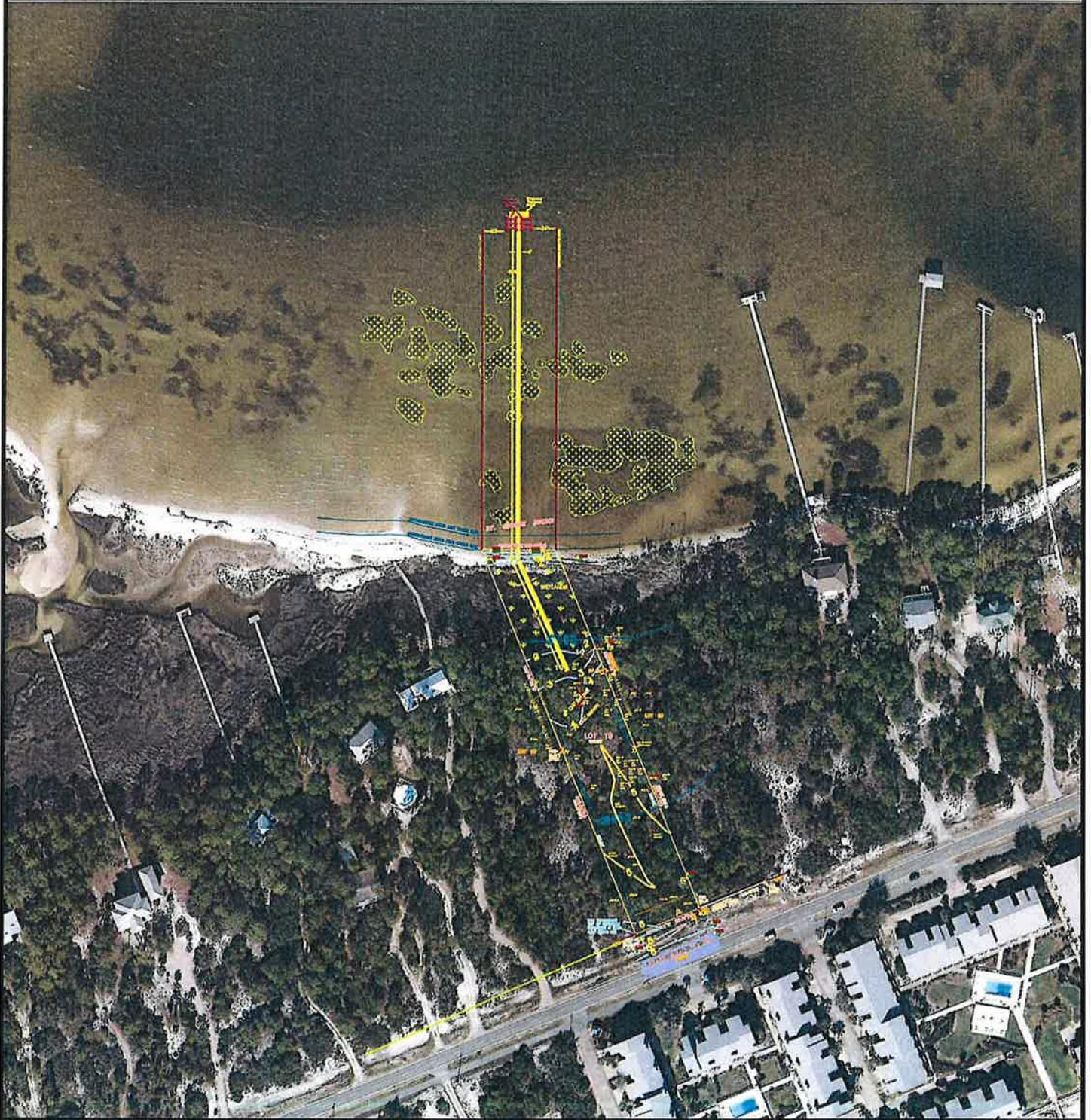
- Approved 1601
- Approved 1611
- Conditionally Approved 1612
- Conditionally Approved 1622
- Conditionally Approved 1632
- Conditionally Approved 1642
- Restricted Zone A; Restricted Zone B; Restricted Zone C 1605
- Prohibited
- Temporary closure by FWC Order No. EO # 16-26
Closed

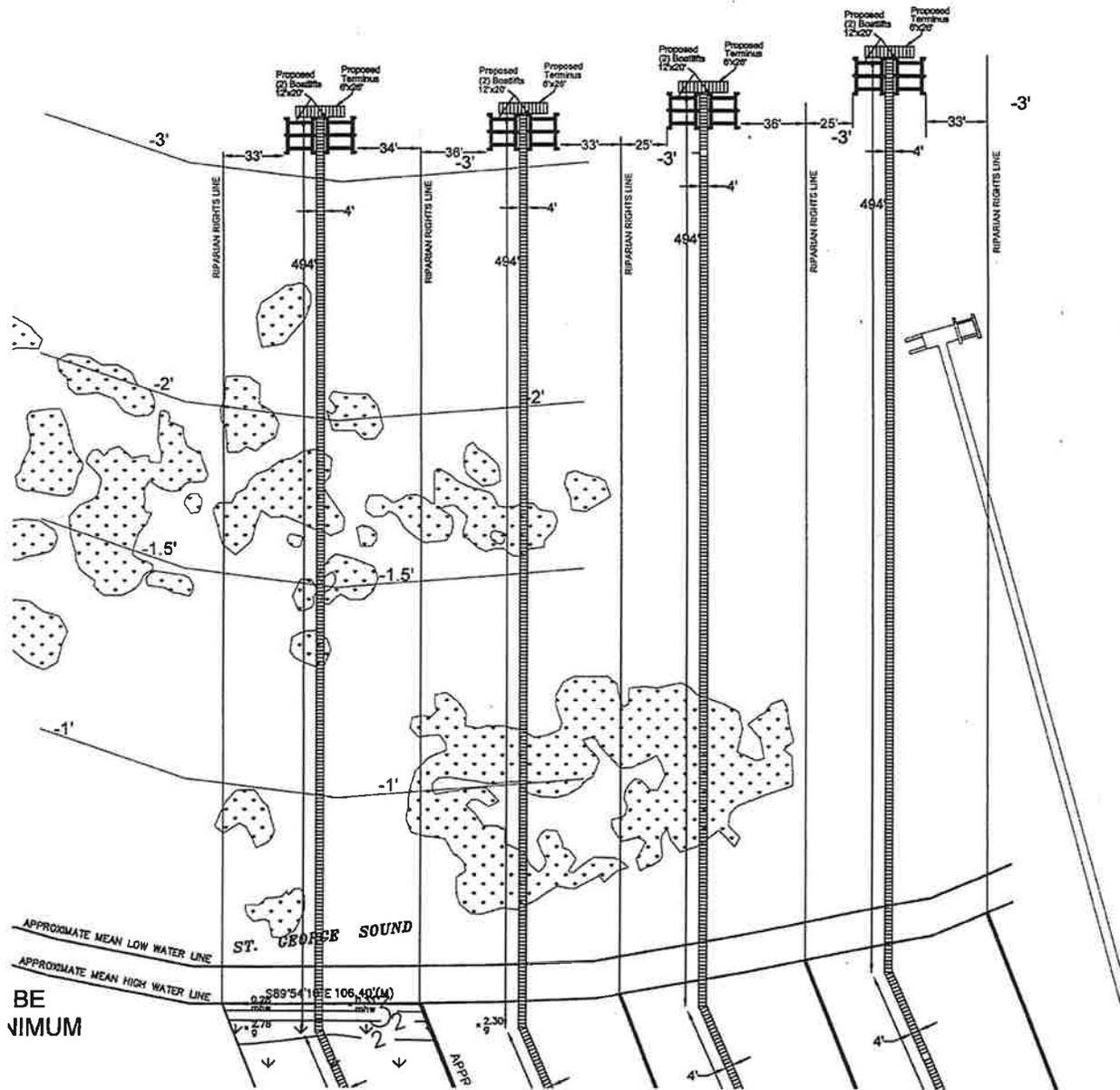
PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

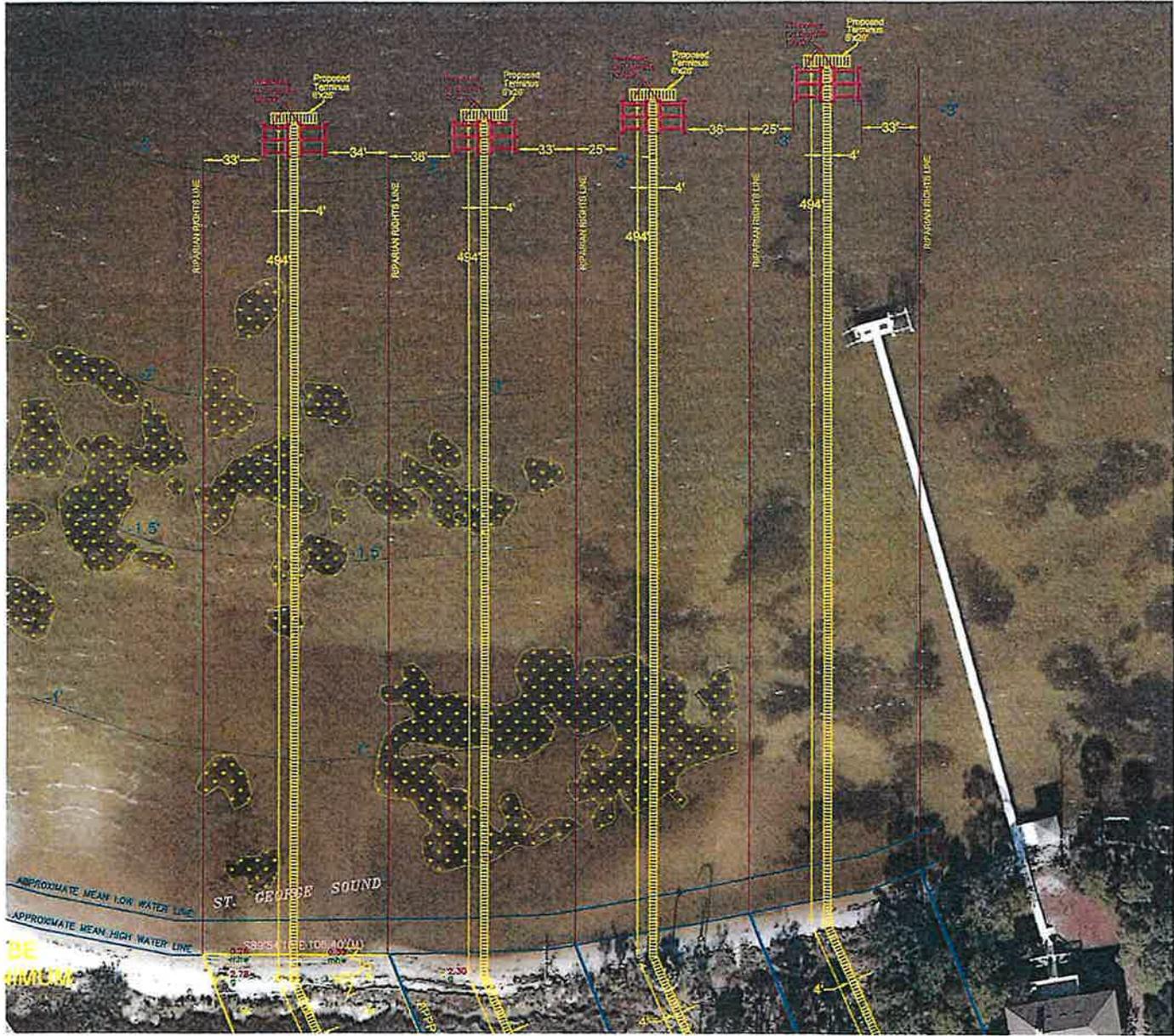


APPLICANT/CLIENT: Joel M. Stager
WATERBODY/CLASS: St George Sound / ClassII/OFW/not an AP
PURPOSE: Environmental Permitting
PROJECT LOCATION / USGS: SGI - Franklin County
LATITUDE: 29° 40' 57.67"
LONGITUDE: 84° 48' 17.05"
SECTION: 29 TOWNSHIP: 9 South RNG: 6 West

JOB: 17-116
DEP:
COE:
OTHER:
DATE: October 26, 2017
SHEET: 2/4







3. **MOTION TO RECOMMEND: (Unanimous)** Consideration of a request to construct a Single Family Residential Dock located at Lot 20 Shell Harbor, also known as 1763 East Gulf Beach Drive, St. George Island, Franklin County, Florida. The proposed access walkway for the dock will be a total of 494' x 4' and a 6' x 26' foot terminal platform with (2) 12' x 20' uncovered boatlifts. The dock will be 2,816 sq. ft. Customer has DEP permits. Approval will be contingent upon Army Corps of Engineer permits. Request submitted by Garlick Environmental Associates. Inc. agent for Michael Walsh, applicant. (Has a house)

WALSH PROJECT #3

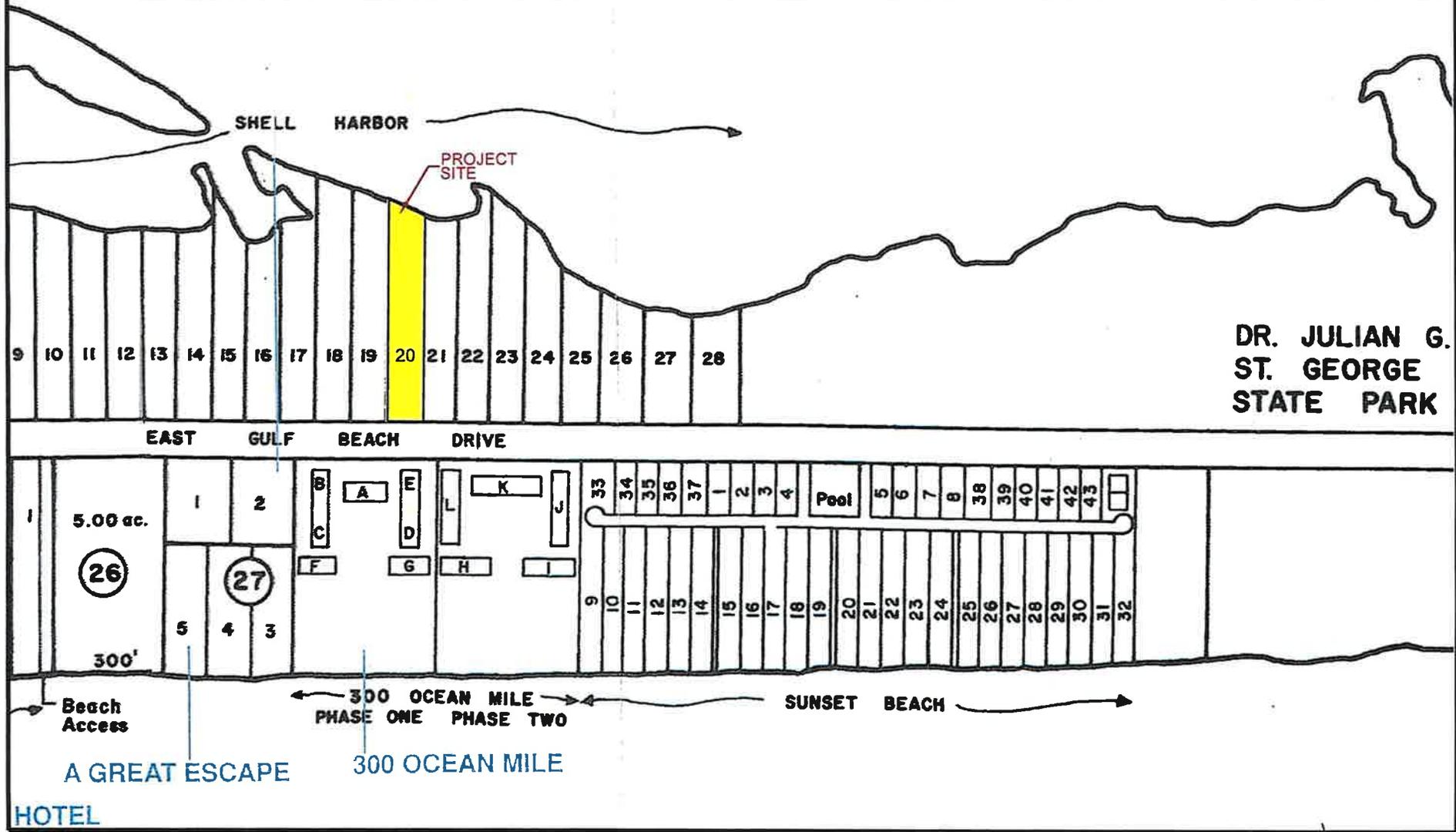


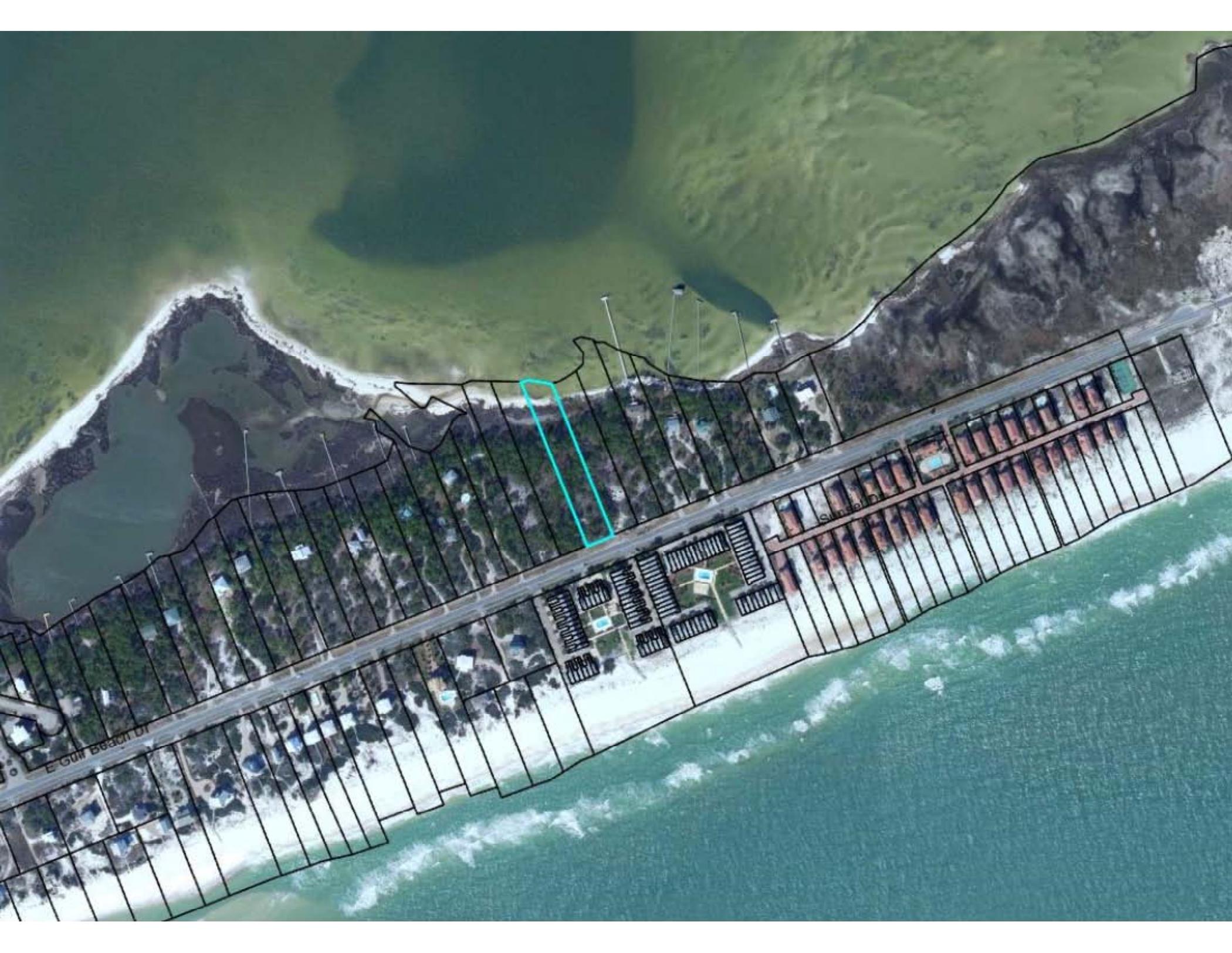
PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

385, APALACHICOLA FLORIDA 32329-0385 (850) 653-8899 FAX (850) 653-9656 garlick@garlickenv.com

APPLICANT/CLIENT: Michael Chris Walsh
 WATERBODY/CLASS: St George Sound / ClassII / OFW / not AP
 PURPOSE: Environmental Permitting
 PROJECT LOCATION / USGS: Franklin County - SGI
 LATITUDE: 29° 40' 58.50 "
 LONGITUDE: 84° 48' 15.65"
 SECTION: 29 TWSHP: 9 South RNG: 6 West

JOB: 17-126
 DEP:
 COE:
 OTHER:
 DATE: December 12, 2017
 SHEET: 1/4





E-Gulf Beach DI

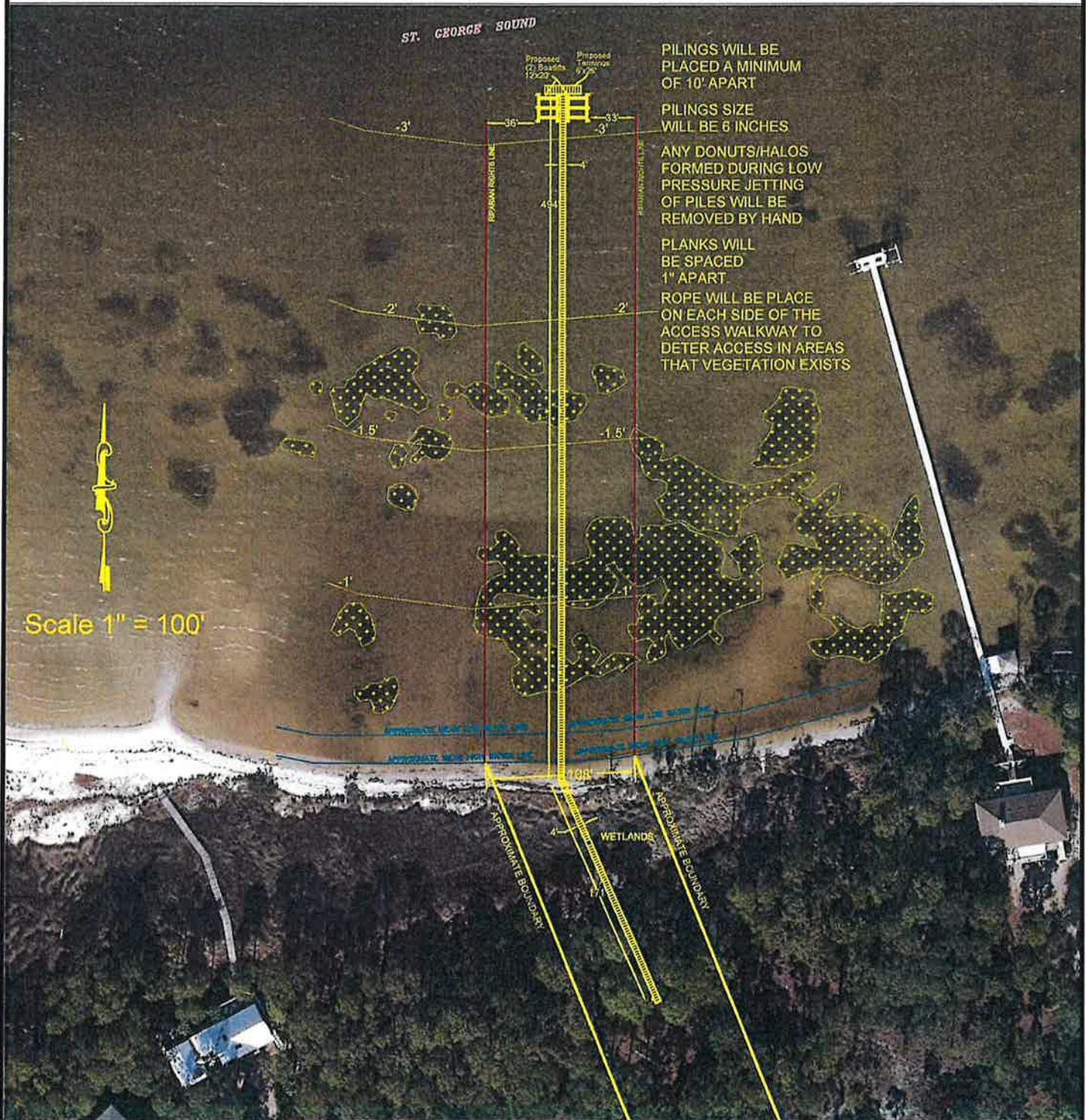
Sun 2010



PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

APPLICANT/CLIENT: Michael Chris Walsh
WATERBODY/CLASS: St George Sound / ClassII/OFW/not an AP
PURPOSE: Environmental Permitting
PROJECT LOCATION / USGS: SGI - Franklin County
LATITUDE: 29° 40' 58.50"
LONGITUDE: 84° 48' 15.65"
SECTION: 29 TWSHP: 9 South RNG: 6 West

JOB: 17-126
DEP:
COE:
OTHER:
DATE: December 12, 2017
SHEET: 2/4





PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

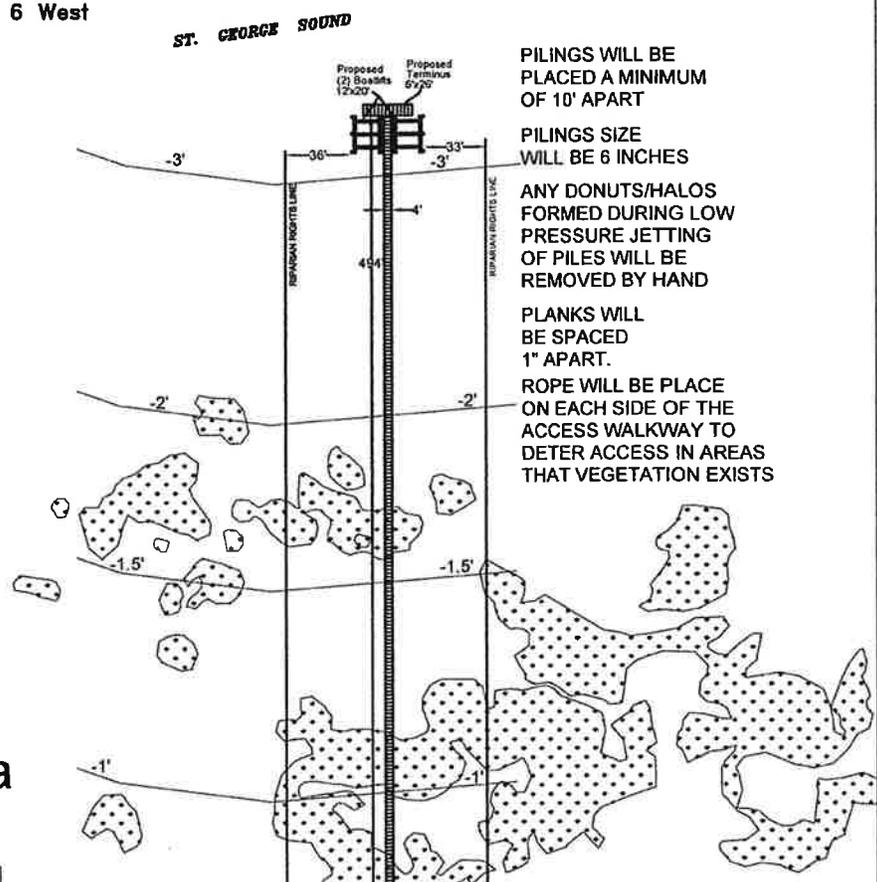
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 PURPOSE: Environmental Permitting
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JOB: 17-126
 DEP:
 COE:
 OTHER:
 DATE: December 12, 2017
 SHEET: 3/4

SECTION: 29 TNSHP: 9 South RNG: 6 West

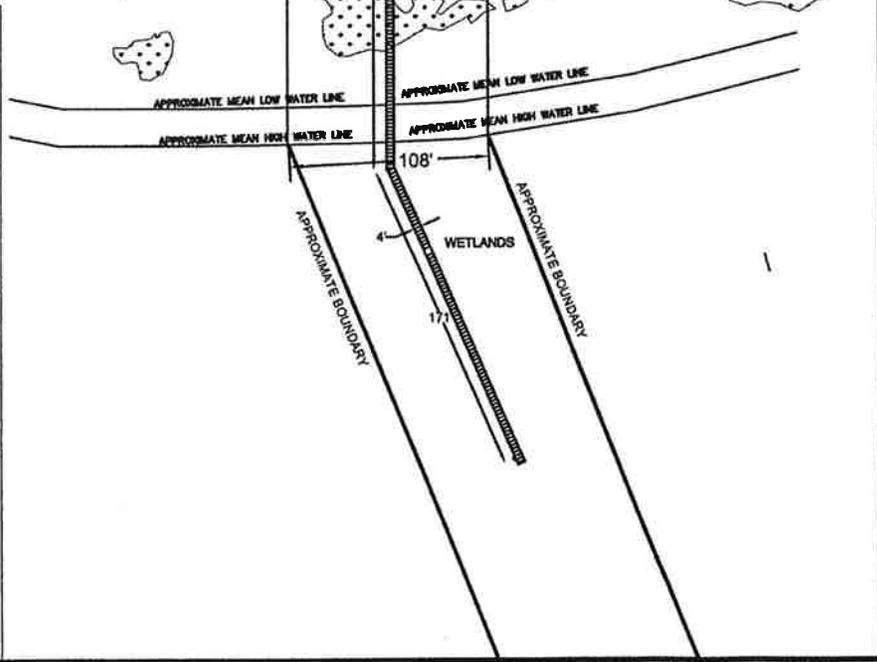
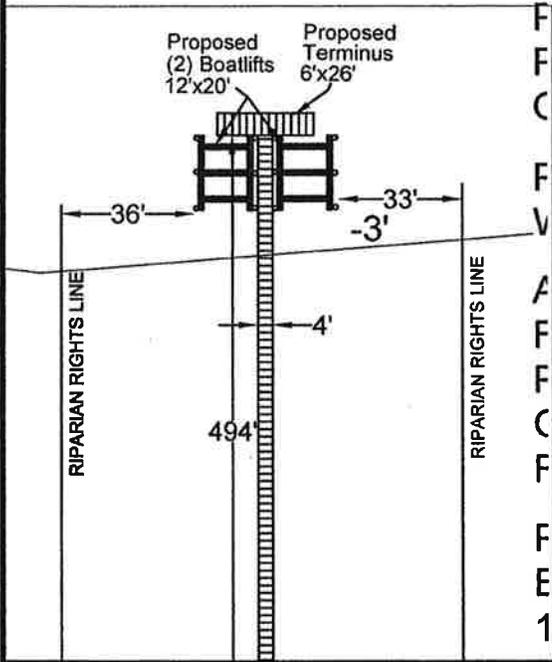


Scale 1" = 100'



PILINGS WILL BE PLACED A MINIMUM OF 10' APART
 PILINGS SIZE WILL BE 6 INCHES
 ANY DONUTS/HALOS FORMED DURING LOW PRESSURE JETTING OF PILES WILL BE REMOVED BY HAND
 PLANKS WILL BE SPACED 1" APART.
 ROPE WILL BE PLACE ON EACH SIDE OF THE ACCESS WALKWAY TO DETER ACCESS IN AREAS THAT VEGETATION EXISTS

Detail of Terminus Area
 Scale 1" = 50'





PREPARED BY: GARLICK ENVIRONMENTAL ASSOCIATES, INC.

BOX 385, APALACHICOLA FLORIDA 32329-0385

(850) 653-8899

FAX (850) 653-9656

garlick@garlickenv.com

7415

APPLICANT/CLIENT: Michael Chris Walsh

WATERBODY/CLASS: St George Sound / ClassII / OFW / not AP

PURPOSE: Environmental Permitting

PROJECT LOCATION / USGS: Franklin County - SGI

LATITUDE: 29° 40' 58.50 "

LONGITUDE: 84° 48' 15.65"

SECTION: 29 TOWNSHIP: 9 South RING: 6 West

JOB: 17-126

DEP:

COE:

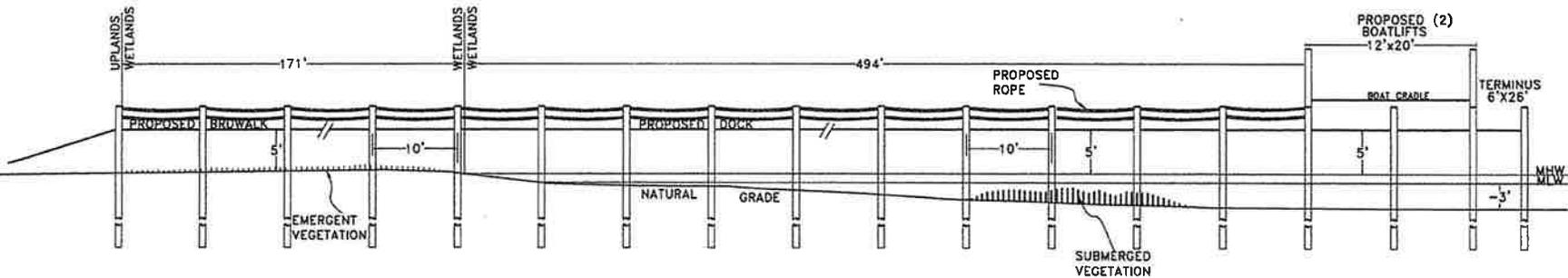
OTHER:

DATE: December 12, 2017

SHEET: 4/4



of Proposed Dock
Not To Scale



PILINGS WILL BE
PLACED A MINIMUM
OF 10' APART

PILINGS SIZE
WILL BE 6 INCHES

ANY DONUTS/HALOS
FORMED DURING LOW
PRESSURE JETTING
OF PILES WILL BE
REMOVED BY HAND

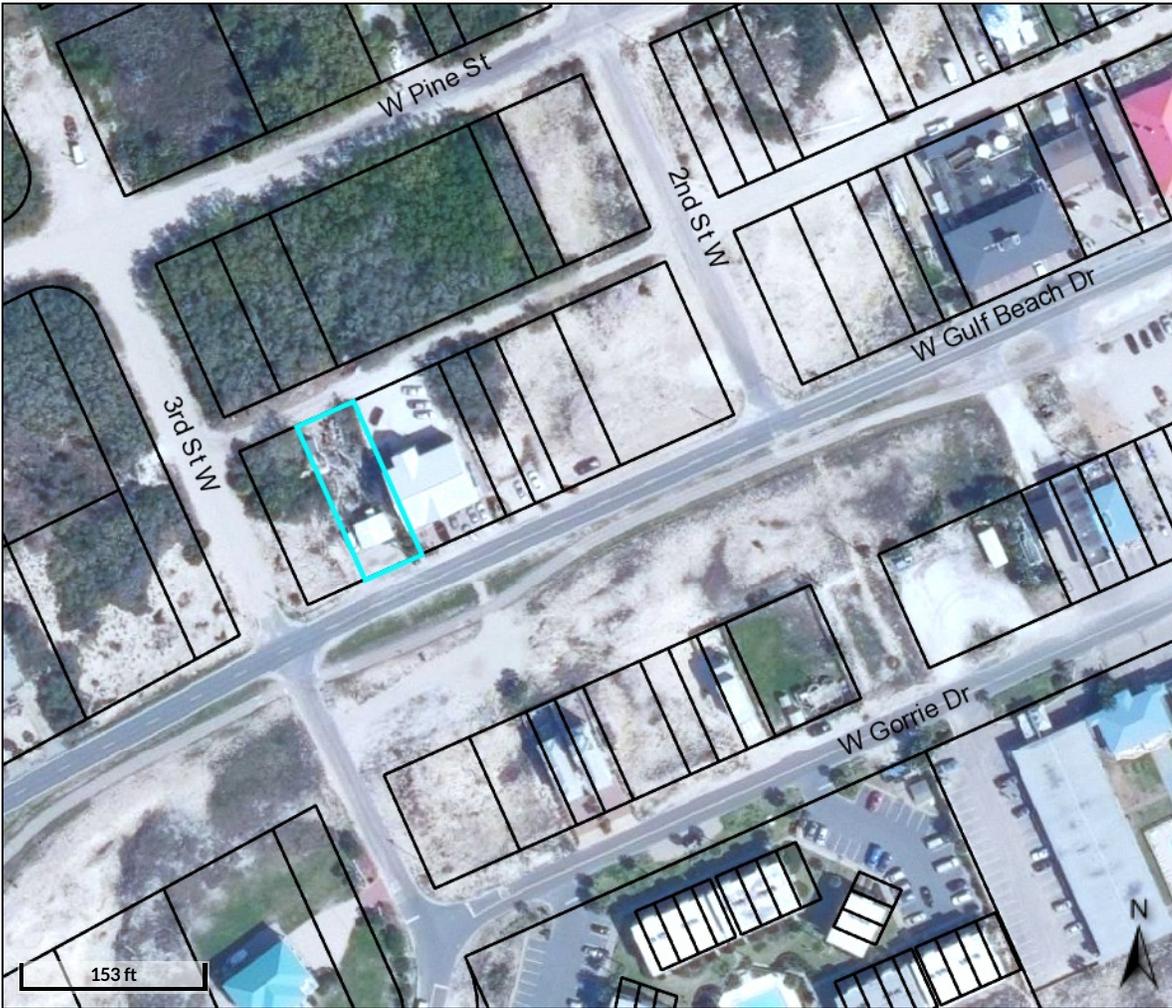
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ROPE WILL BE PLACE
ON EACH SIDE OF THE
ACCESS WALKWAY TO
DETER ACCESS IN AREAS
THAT VEGETATION EXISTS

These drawings are for
permitting purposes
only. Not intended for
construction purposes

COMMERCIAL SITE PLAN REVIEW:

- 4 . **MOTION TO RECOMMEND:** (Unanimous-Contingent upon the 2018-02 St. George Island Overlay District Ordinance is fully compliant) Consideration of a request to construct a 30' x 35' storage building and to place a 20' x 25.2' addition to the existing building. Located at Lots 3 & 4, Block 4, Unit 1 West, St. George Island Gulf Beaches, St. George Island, Franklin County, Florida. Request submitted by David Duncan, agent for Plymel Properties.



Overview



Legend

- Parcels
- Roads
- City Labels

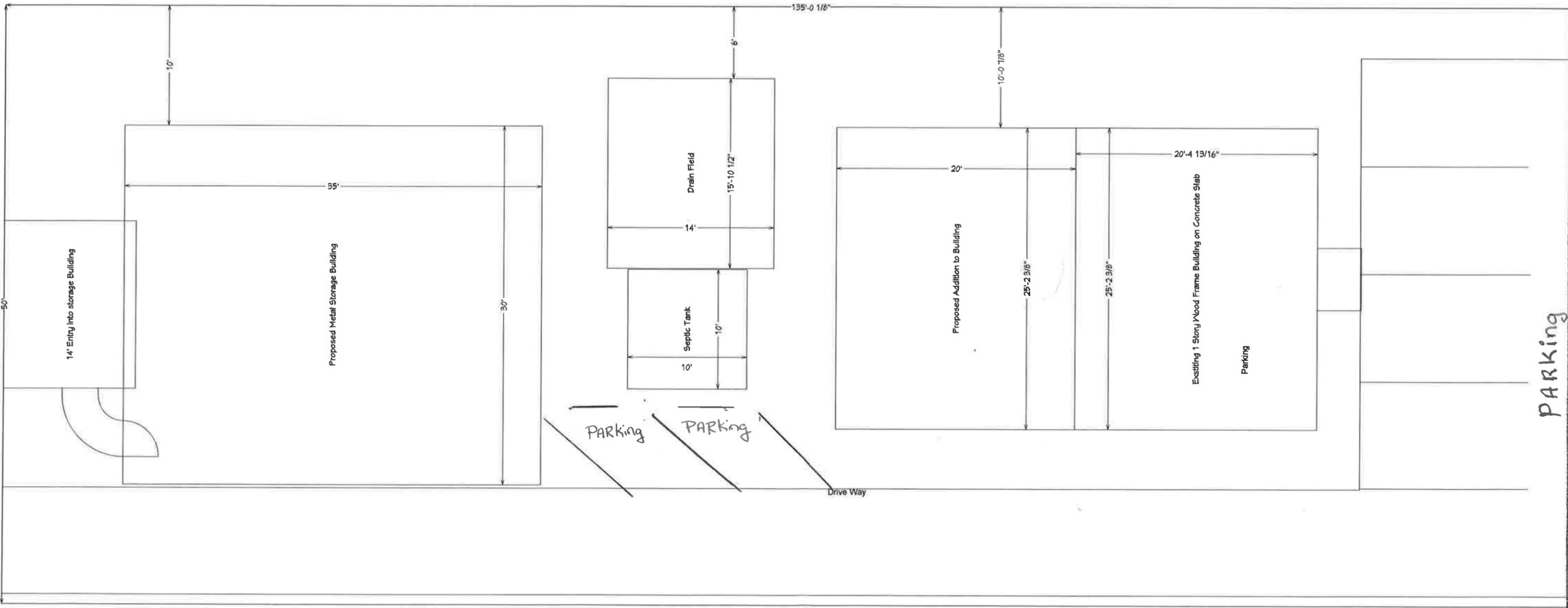
Parcel ID	29-09S-06W-7311-004W-0030	Alternate ID	06W09S297311004W0030	Owner Address	PLYMEL GEORGE D & LINDA G AS CO-TRUSTEES OF PLYMEL PROP
Sec/Twp/Rng	29-9S-6W	Class	STORE/OFFI		P.O. BOX 2936
Property Address	251 W GULF BCH DR	Acreage	n/a		MOULTRIE, GA 31776
District	1				
Brief Tax Description	UNIT 1 BL 4W LOTS 3 4				
	<i>(Note: Not to be used on legal documents)</i>				

Date created: 3/14/2018
Last Data Uploaded: 3/13/2018 9:30:39 PM



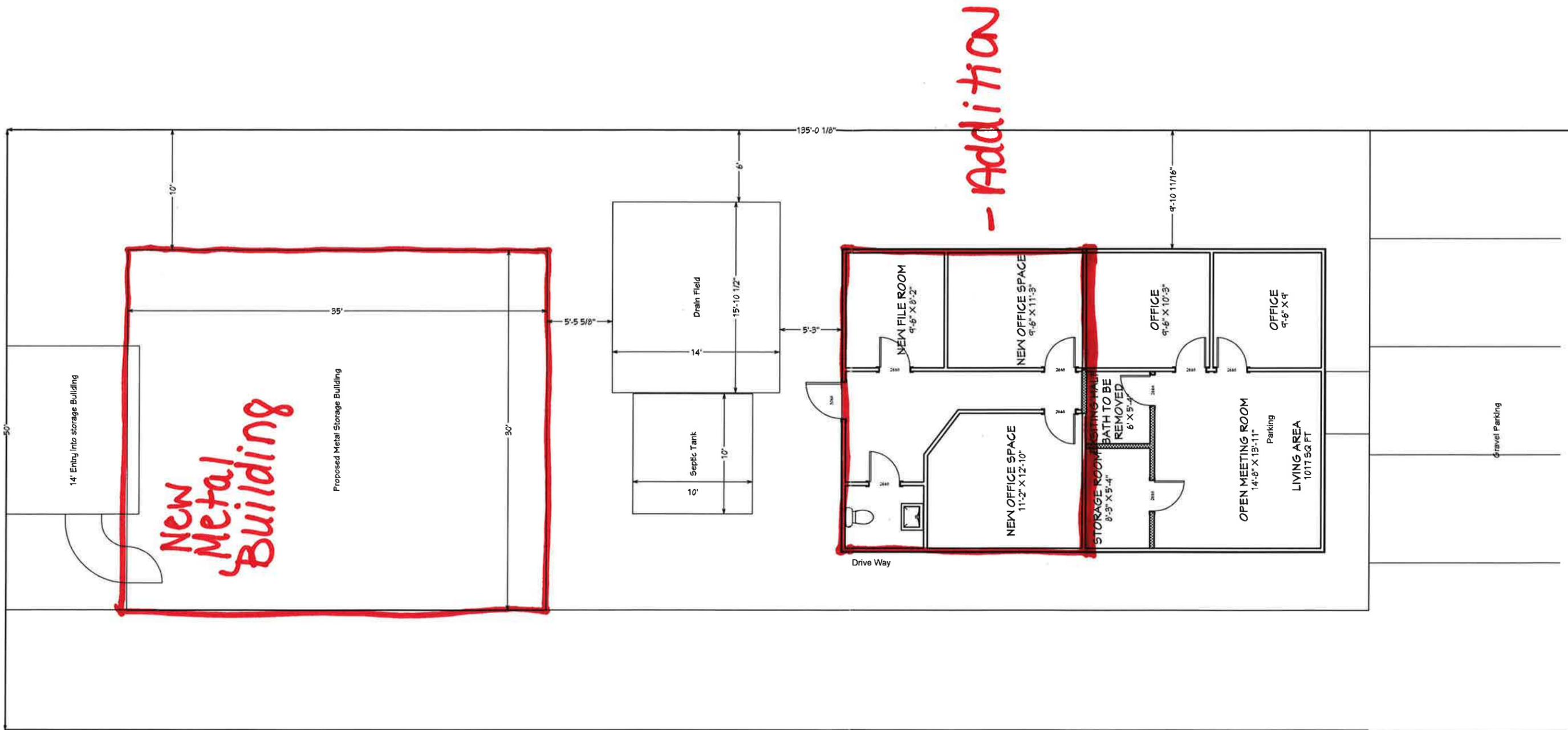
Developed by
The Schneider Corporation

DUNCAN PROJECT #4



251 West Gulf Beach Drive St George Island Proposed Site Plan

Existing Building	25.2' X 20.4' = 514.08 Sq. Ft
Proposed addition	20' X 25.2' = 410 Sq. Ft
Proposed Metal Storage Building	35' X 30' = 1050 Sq. Ft
Total Lot Coverage	1974.08 Sq. Ft
Less Than 30% Lot Coverage	Lot Size 135.21' X 50' = 6760.5 Sq. Ft



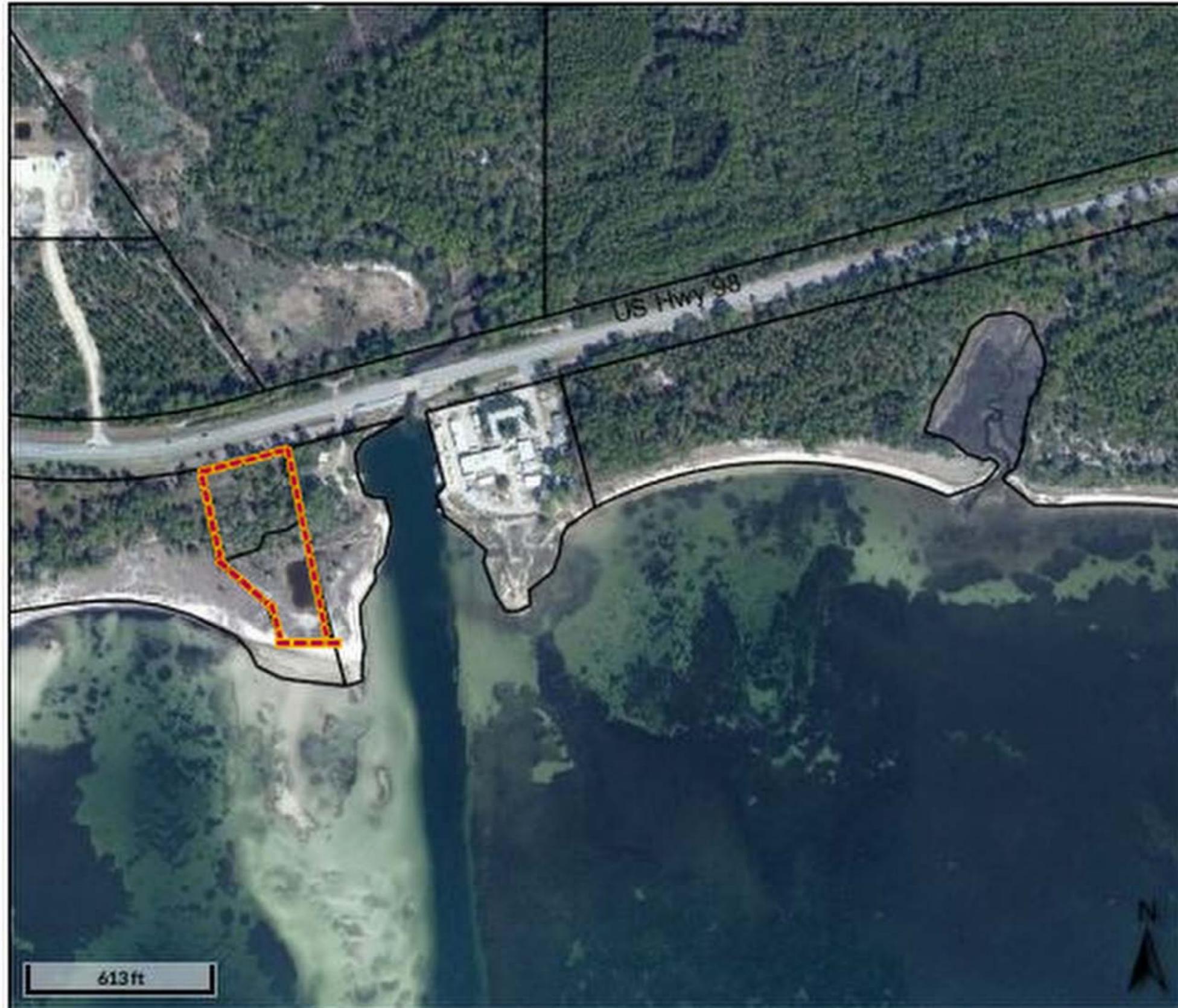
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Total Lot Coverage 1974.08 Sq. Ft Lot Size 135.21' X 50' = 6760.5 Sq. Ft
 Less Than 30% Lot Coverage

LANDUSE AND REZONING APPLICATION:

5. **MOTION TO RECOMMEND: (Unanimous)** Consideration of a request for a Land Use Change from Commercial to Public Facilities and Re-Zoning from Summercamp PUD-Commercial to Z-1 Public Facilities on property described as Tract D, Summer Camp West, Phase 1A & B, St. Teresa, Franklin County, Florida. Request submitted by Jeff Stauffer, agent for Florida State University Real Estate Foundation, Inc.



REQUEST FOR SPECIAL EXCEPTION:

6. **MOTION TO RECOMMEND: (Unanimous)** Consideration of a request for an Exception to locate a Church within an existing building located at 207 US Highway 98, Eastpoint, Franklin County, Florida in a C-2 Commercial Business District. Request submitted by Anthony Middleton, agent for Go With God Ministries, applicant.



Overview



Legend

-  Parcels
-  Roads
-  City Labels

Parcel ID	36-08S-07W-0000-0140-0020	Alternate ID	07W08S36000001400020	Owner Address	C & R FOODS,INC
Sec/Twp/Rng	36-8S-7W	Class	NIGHTCLUB/		P.O.BOX 488
Property Address	OLD CHARLIES BAR EASTPOINT	Acreage	n/a		PONTE VEDRA BEACH, FL 32004
District	5				
Brief Tax Description	A PARCEL IN SEC 36 T8S R7W				
	(Note: Not to be used on legal documents)				

Date created: 3/14/2018
 Last Data Uploaded: 3/13/2018 9:30:39 PM

 **Developed by**
 The Schneider Corporation

ILLUMINATING SOLUTIONS BY PROVIDING INNOVATIVE IDEAS



- I Investment in You
- D Dedicated Team
- E Equilibrium
- A Active Partner Participation
- S Simplified Solutions

FranklinCounty



CRI CARR
RIGGS &
INGRAM
CPAs and Advisors

FIRM PROFILE



Portfolio Companies of CRI

3

- AUDITWERX**
SOC reporting & IT assurance
- CRI CAPITAL ADVISORS**
investment banking
- LEVEL FOUR**
wealth management

20

Years of Consistent Year-Over-Year Growth (since formation)



400+

Partner Designations

31 are different

- | | | |
|-------------|---------|------|
| CPA | Cr.FA | CIE |
| AEP | CFE | CMPE |
| ABV | (fraud) | CMA |
| AES | CFF | CTGA |
| CCA | CGAP | CVA |
| CCIFP | CGFM | CGMA |
| CEPA | CRISC | CAM |
| CFE | CGEIT | FAHM |
| (financial) | CISA | MCP |
| CFP | CISSP | MCSE |
| CFSA | CITP | PFS |

8

Professional Organization Memberships

- American Institute of Certified Public Accountants (AICPA) Alliance for CPA firms
- AICPA Private Companies Practice Section
- Center for Audit Quality (CAQ)
- Employee Benefit Plan Audit Quality Center of the AICPA
- Governmental Audit Quality Center of the AICPA
- Information Systems Audit and Control Association (ISACA)
- Institute of Internal Auditors (IIA)
- Public Company Accounting Oversight Board (PCAOB)

1997

Year Founded

1,600+

Professionals

25+

Markets

Professional Association



PrimeGlobal

MORE ABOUT PRIMEGLOBAL

300 firms in 85 countries with more than 850 offices, 20,000 people

250+

Partners

6,200+

Partner Years of Experience

Top 25 CPA Firm in the U.S.

CARR, RIGGS & INGRAM, LLC

GOVERNMENTAL CREDENTIALS

Spotlighting Our Expertise



Audit **450+** governmental entities with annual revenues totaling **\$24** billion



11 Different Governmental Partner Designations
CPA, CGFM, CITP, CFE, CMA, CISA, CGEIT, CTGA, CFF, CGMA, CGAP



Perform Single Audits for approximately **35%** of all governmental entities includes **\$7** billion of federally awarded expenditures

1,100+ years of combined partner governmental experience

Clients with annual revenues up to

School District

\$1 billion

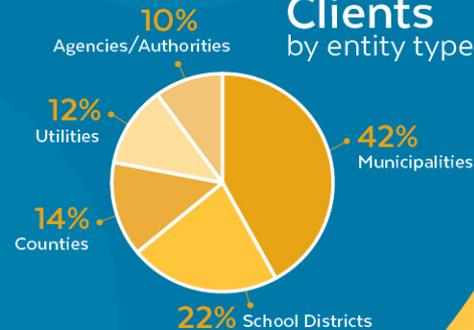
Municipality

\$550 million

Agencies/Authorities

\$5 billion

Clients by entity type



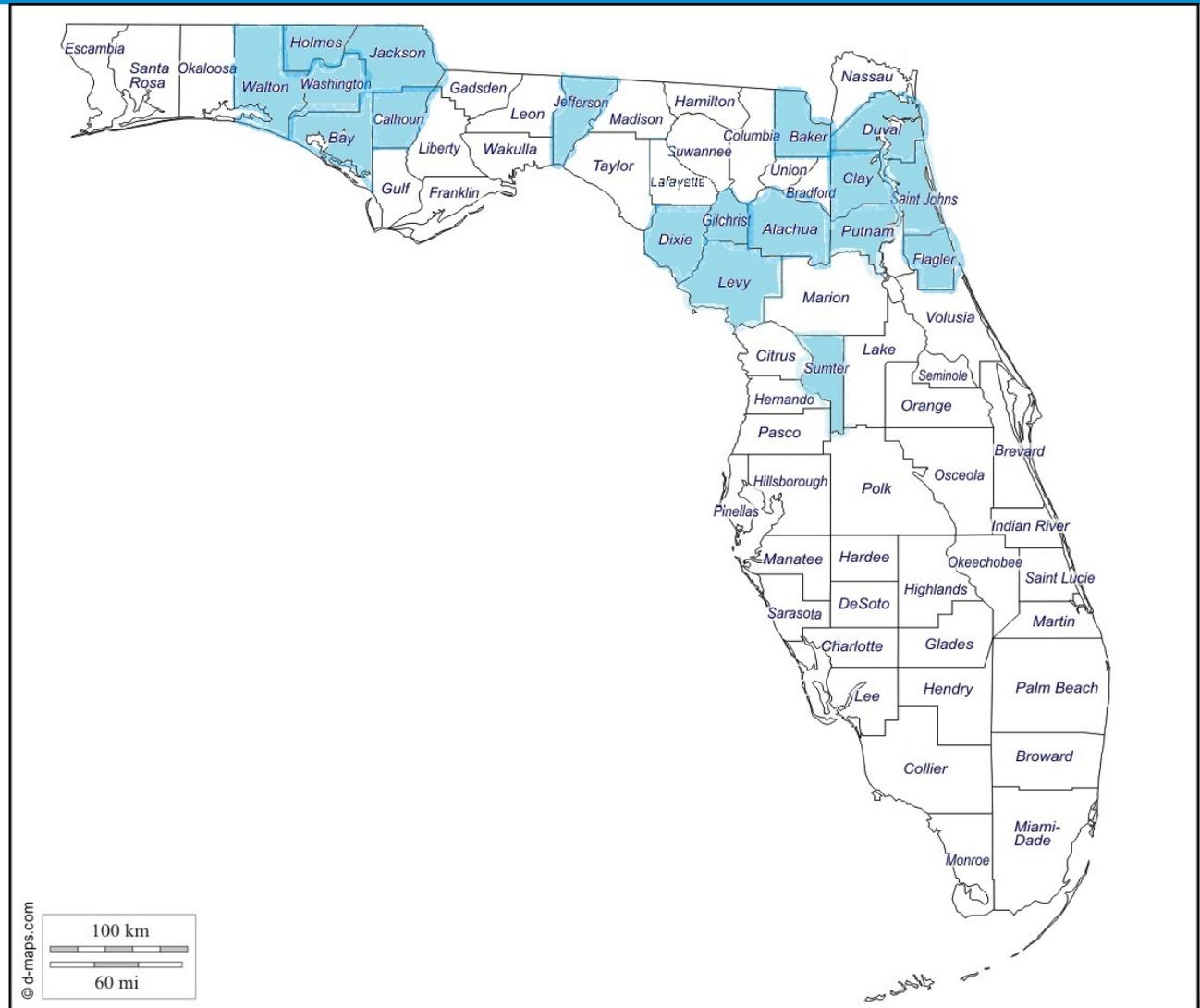
CURRENT EXTERNAL AUDIT CLIENTS



The 18 counties highlighted in blue on the map to the right represent current clients for whom CRI is engaged to perform the external audit. Carr, Riggs, & Ingram also works with more than a dozen additional counties for consulting engagements and project work.

CRI is much more than just a government auditor, we also offer:

- Agreed-upon procedures
- Financial statement preparation
- Review and consulting
- Fraud prevention consulting
- Forensic accounting
- Internal control evaluations
- Construction audit
- IT risk assessment
- IT security reviews





CPA FIRM COMPARISON

The chart below further illustrates CRI's experience with external audits of Florida counties in comparison to other CPA firms. We parlay this vast experience and derived best practices into proven solutions that benefit you. Many counties choose to **rotate auditors**, especially after long periods using the same firm. Risks arise from close association and overfamiliarity, and threats to independence and objectivity can be minimized by rotation. Even though audit firm rotation is common, CRI consistently audits far more Florida counties than any other CPA firm. We believe that when you're committed to providing a superior level of service, clients will rotate in faster than they rotate out.

CPA FIRM	Number of Counties*
Carr, Riggs, & Ingram	18
CliftonLarsonAllen	7
Purvis, Gray & Co	6
Moore Stephens	5
Powell & Jones	4
Cherry Bekaert	4
Warren Averett	3
Vance & Associates	2
Shin & Company	2
Crowe Horwath	2
Ashley Brown & Co.	1
Berman Hopkins	1
Berger, Toombs, Elam	1
James Moore	1
Jim Davis, CPA	1
Keith Daniels	1
KPMG	1
Lanigan and Associates	1
Moran and Smith	1
Rehmann	1
Thomas Howell Ferguson	1

* taken from the most recent filed reports listed on the Florida Auditor General website on 3/22/2017

FLORIDA COUNTY EXPERIENCE



Below we list some of CRI's Florida county clients and the services provided. We will be glad to provide contact information for any of the governments shown. From the chart you can see that CRI's Florida government team assists with at least 22 CAFR's each year. In addition, our Florida government team performs over 50 single audits each year.

Governmental clients in the State of Florida served by CRI							
Services Provided	Total Number of Funds	Total Revenue	Annual Audit	Single Audit	CAFR Award	IT Advisory	Various Consulting Services
County Government Clients							
Alachua County, Florida	95	\$260M	✓	✓	✓		
Baker County, Florida	37	\$29M	✓	✓			
Bay County, Florida	31	199M	✓	✓	✓		
Brevard County, Florida	38	\$505M					✓
Calhoun County, Florida	33	\$25M	✓	✓			
Clay County, Florida	64	\$130M	✓	✓	✓		
Dixie County, Florida	30	\$18M	✓	✓			
Duval County	124	\$1.6B	✓	✓	✓		
Escambia County, Florida	N/A	N/A	✓	✓	✓		✓
Flagler County, Florida	41	\$100M	✓	✓			
Gilchrist County, Florida	31	\$16M	✓	✓			
Holmes County, Florida	18	\$16M	✓	✓		✓	✓
Jackson County, Florida	60	\$40M	✓	✓			
Jefferson County, Florida	12	\$25M	✓	✓			
Levy County, Florida	39	\$41M	✓	✓			
Putnam County, Florida	52	\$87M	✓	✓	✓		
St. Johns County, Florida	99	\$293M	✓	✓	✓	✓	
Sumter County, Florida	44	\$102M	✓	✓			
Walton County, Florida	41	\$110M	✓	✓	✓	✓	✓
Washington County, Florida	92	\$27M	✓	✓			

TIMING & TRANSITION



DELIVER VALUE FROM START

TRANSITION EFFICIENTLY

AND SEAMLESSLY

AVOID INTERRUPTION

- Management approves firm change
- CRI performs client acceptance procedures

Pre-Approval & Acceptance

Predecessor Firm Communications

- Management notifies predecessor firm
- CRI reviews predecessor firm workpapers review items

USUALLY OCCURS WITHIN TWO WEEKS

- Sign engagement letter
- Develop communication plan
- Finalize timetable and key dates
- CRI develops understanding of business processes
- CRI reports to management process review items

Client Understanding & Communication

ESTABLISH ONGOING COMMUNICATION

RAISE SERVICE LEVEL

THE BOCC AND CONSTITUTIONAL OFFICES



At the heart of auditing Florida counties, is understanding how to best to work with each of the independent constitutional offices. Having a close working relationship with the staff of each office is a critical component to the success of the audit.

Utilizing technology to help make communication and cooperation easier one thing that sets us apart. Saving you time and energy is a priority.

- Partner experience auditing Constitutional offices
- Members of the FICPA “Compliance Auditing in Florida” technical practice aid team.
 - Comfortable and experienced with the specific statutory and reporting requirements for BOCC and each constitutional office.

Sheriff’s Office

Property Appraiser

Tax Collector

Clerk of the Courts

Supervisor of Elections

George E. Weems Memorial Hospital

Introduction to Carr, Riggs & Ingram (CRI)

National Strength.
SOUTHERN ROOTS.



CRI CARR
RIGGS &
INGRAM

CPAs and Advisors

CRIcpa.com



CRI CARR
RIGGS &
INGRAM
CPAs and Advisors

National Strength.

SOUTHERN ROOTS.

CULTIVATING CLIENT GROWTH BY DELIVERING
BIG FIRM EXPERTISE ROOTED IN A LOCAL FIRM CULTURE

**CRI RANKS
21ST NATIONALLY**
OF APPROXIMATELY 45,000
PUBLIC ACCOUNTING FIRMS
IN THE UNITED STATES

**MEMBER OF
PRIMEGLOBAL**
AN ASSOCIATION OF INDEPENDENT
ACCOUNTING FIRMS DELIVERING ACCESS
TO INTERNATIONAL RESOURCES

**LOCAL
DECISION-MAKING
AUTHORITY**
COMBINES WITH THE
ABILITY TO LEVERAGE BIG
FIRM RESOURCES

HANDS-ON PARTNERS
DIG IN TO LEARN YOUR BUSINESS
AND PRODUCE LONG-TERM
VALUE FOR YOU

DEDICATED SERVICE TEAM
CONSISTENT STAFFING ALIGNED WITH
YOUR INDUSTRY AND SERVICE NEEDS

SIMPLIFIED SOLUTIONS
THAT TRANSLATE COMPLEX
CONCEPTS INTO
UNDERSTANDABLE SOLUTIONS

**3 PORTFOLIO
COMPANIES**
DELIVER ADDITIONAL
SPECIALTY SERVICES
INCLUDING INVESTMENT
BANKING AND SOC REPORTS

CRI: Statistics



3 Portfolio Companies of CRI

- AUDITWERX**
SOC reporting & IT assurance
- CRI CAPITAL ADVISORS**
investment banking
- LEVEL FOUR**
wealth management

20 Years of Consistent Year-Over-Year Growth (since formation)

400+ Partner Designations



plus Canada, Mexico, Puerto Rico, and overseas military installations

8

Professional Organization Memberships

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- Employee Benefit Plan Audit Quality Center of the AICPA
- Governmental Audit Quality Center of the AICPA
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1997
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- 31 are different
- | | | |
|-------------|---------|------|
| CPA | Cr.FA | CIE |
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| CFE | CGEIT | FAHM |
| (financial) | CISA | MCP |
| CFP | CISSP | MCSE |
| CFSA | CITP | PFS |

Professional Association



PrimeGlobal

MORE ABOUT PRIMEGLOBAL
300 firms in 85 countries with more than 850 offices, 20,000 people

250+
Partners

6,200+
Partner Years of Experience

Top 25 CPA Firm in the U.S.

CRI:HEALTHCARE CREDENTIALS



CRI:HEALTHCARE EXPERTISE

INDUSTRY EXPERTISE

UNDERSTANDING YOUR CHALLENGES

Recently served **more than 60** hospitals and health systems

Served approximately 40% of the critical access hospitals in Florida in the past decade

Recently served three state Medicaid agencies, including AHCA (Florida Medicaid)

Currently serve several health insurers and managed care organizations, including Blue Cross Blue Shield

Proud sponsors and contributors to numerous hospital associations



EXPERIENCE SUMMARY

Audits, reviews, compilations

Cost reporting

Internal audit

IT Security, HIPAA & HITECH risk assessments, HITRUST and PCI compliance

SOC 1, 2, 3 Reports

Taxation

Advisory services

Data analytics

M&A consulting, advisory, due-diligence

CRI: HEALTHCARE SERVICE OFFERINGS

Accounting & Auditing

Financial Statement Audits, Reviews, & Compilations
Internal Control Evaluations & Reviews
Outsourced Accounting Services
Internal Audit Services
Benefit Plan Audits including 401k, 403b, Pension
Deferred Compensation
Construction Contract Audit Services
Multiple Others

Tax Services

Preparation of Tax Returns
Tax Planning
Tax Compliance & Consulting
IRS & State Audit Assistance
IRS Form 990, Schedule H & Community Benefits Reporting

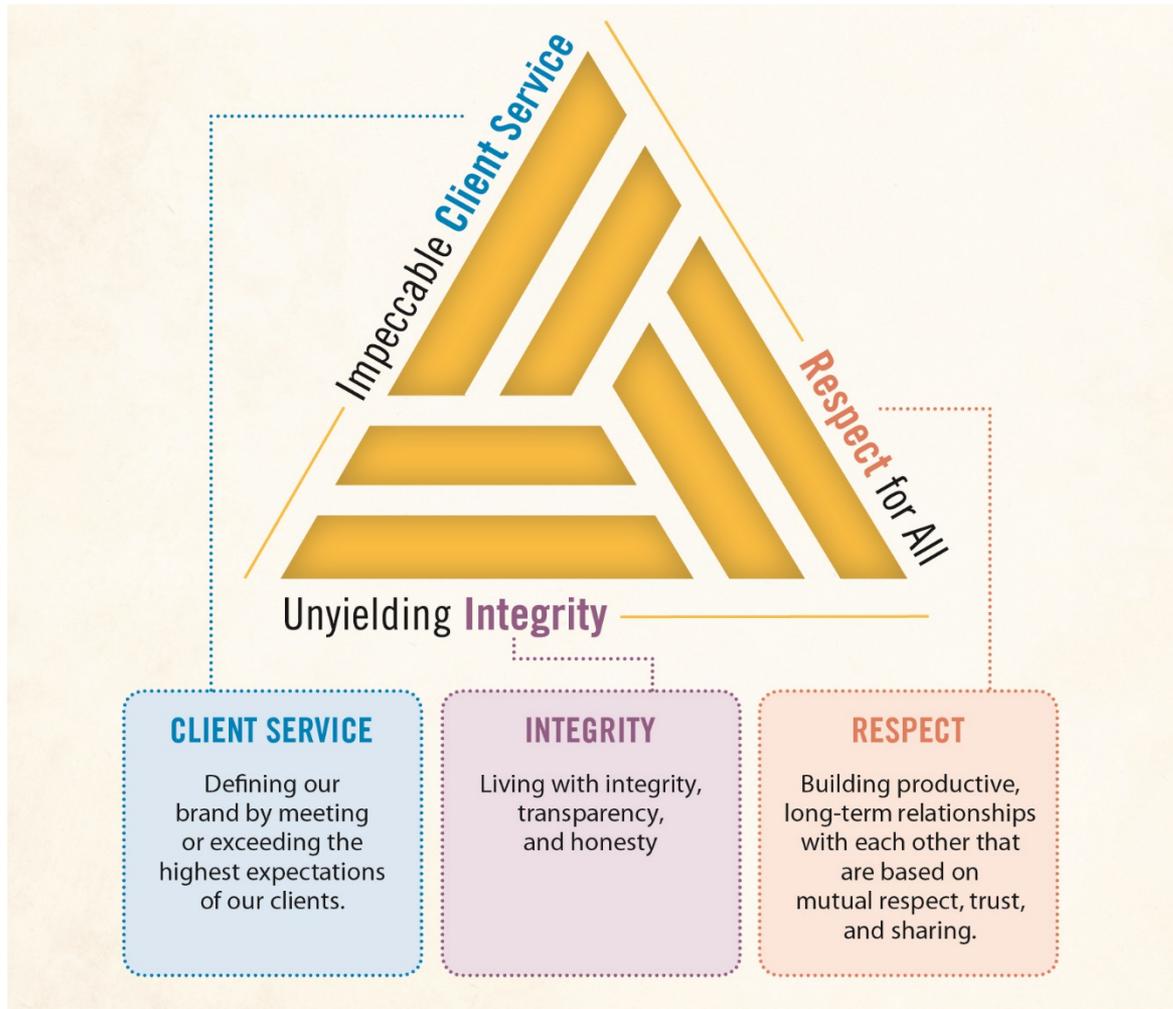
Consulting Services

Data Analytics
IT - HIPAA, HITECH, meaningful use, HITRUST, PCI
SOC 1, 2, 3 Reports
Cost Reporting including Medicare, Medicaid and BCBS
Physician Practice Consulting
Strategic & Succession Planning
Anti-Fraud
Litigation Support
Merger & Acquisition Assistance
Advisory Services
Risk Management
Business Valuations

CRI: IT AUDIT

- Extensive Experience in
 - SOX
 - FFIEC
 - GLBA
 - SOC 1 (SSAE16) SOC 2, 3
 - NAIC
- Specialized Audits
 - Privacy (HIPAA / HITECH)
 - Access Controls
 - Segregation of Duties
 - Security
 - Disaster Recovery/Business Continuity
 - Risk Assessments
 - System Development Life Cycle
- ITGC Internal Audit & Planning either as an Outsourcing or Co-Sourcing
 - Developing Risk Based IT Audit Approaches
 - Computer Aided Audit Tools
 - Continuous Audit Approaches
 - Controls Testing Development and/or Update
 - Controls Documentation
 - Remediation Strategies
 - Remediation Monitoring
- CoBIT Governance
- IT Controls for NAIC Model Audit Rule
- 35 IT Audit Team Members Firm Wide
 - 7 IT Subject Matter Experts
 - CISA, CISSP, CGEIT, CRISC

CRI: Values



CRI: Philanthropy

CRI CARES

Dedicates time and resources to positively impacting our local communities



CONNECTING



ASSISTING



REVITALIZING



ELEVATING
HOPE



SERVING

CRI: Industries of Focus



FINANCIAL SERVICES

- Banks
- Credit Unions
- Insurance



GOVERNMENT, NONPROFIT & RETIREMENT

- Governments
- Education
- Nonprofits
- Retirement Plans



COMMERCIAL PRODUCTS

- Construction
- Manufacturing
- Distribution



HEALTHCARE

- Medical Practices
- Hospitals
- Long-Term Care
- Skilled Nursing Facilities
- DME
- Pharmacy



LOCAL PRACTICE

- Client Accounting Services
- Business Tax
- Individual Tax
- Non-Key Industry Projects



CRI: Service Offerings



Accounting & Auditing



Advisory



Business Support & Transaction



Employee Benefit Plans



Governance, Risk & Assurance



Tax

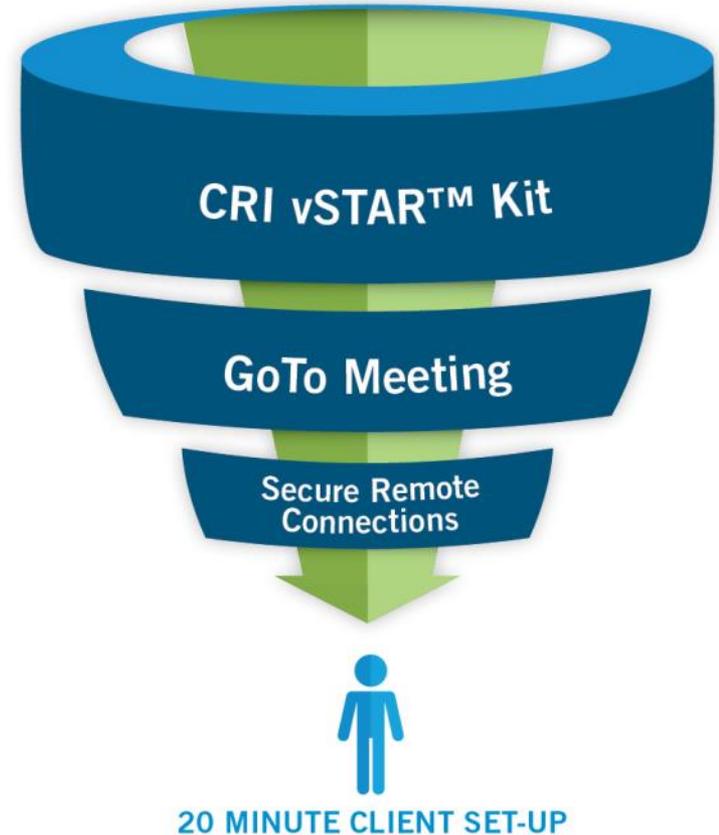
CRI: CRInnovate

CRInnovate is our challenge to ourselves and our people to embrace agility and innovation to improve service to our clients. Our goals include:



CRInnovate: CRI vSTAR™ Process

CRI |



CRI: Resources at Work for You

NATIONAL

- Top 25 CPA firm



INTERNATIONAL

- PrimeGlobal
 - 85 countries
 - 300 firms
 - 850+ offices
 - 20,000 staff



PrimeGlobal

*An Association of
Independent Accounting Firms*

CRI: Why Choose Us

- Industry expertise/ understanding
- Industry experience
- Seasoned partners
- Significant regulatory experience

Experienced Team

- Client relationship focused
- Frequent, open and proactive communication
- Heavy partner involvement

Approach

- Team assigned commensurate to risk
- Access to additional resources for research
- Specialized industry training
- Maintain highest professional standards

Quality

- Cost-effective
- Affordable alternative to "Big 4" firms
- Interested in long-term, successful relationships

Fee Structure

CARR, RIGGS & INGRAM, LLC

CRI: Join Our Conversation



WEBSITE

CRI shines a light on best practices via thousands of articles, videos, informative charts, and descriptive testimonials. With sections dedicated to illuminating insights by industries and services, our easy-to-navigate website highlights trending topics that detail new standards, changing regulations, and

other current business topics. From cybersecurity to the new revenue recognition standard, we are ready to proactively answer your questions.



CRINSIGHTS

CRInsights are your doorway to in-depth yet down-to-earth explanations of complex topics. We understand that just because a topic makes perfect sense to a CPA doesn't mean that it should to our clients.

- The Busy CFO & Controller's Toolkit for Successfully Implementing the New Revenue Recognition Standard

- 6 Key Ways to Strengthen Your Cybersecurity Posture
- Back to Basics: 5 Key Financial Considerations for Construction Companies
- The Not-for-Profit's Guide to Fraud Prevention



NEWSLETTER

Our team is dedicated to keeping our clients informed, and we prove it by creating a custom monthly e-newsletter with widely-applicable topics. The articles are designed to help you improve your business and personal finances. Popular topics include:

- 3 Things To Improve Business Operations Immediately

- Financial Statement Audits Aren't Designed to Identify Fraud
- Are You a Big "Phish?" Protect from Cybersecurity Whaling Attacks
- You Might Have Money Hiding In Plain Sight

Sign up at CRICpa.com.

TODAY'S PRESENTER

Bryan Hall, CPA

Partner, Healthcare Industry Line Leader

334.348.1325 (o)

770.757.4025 (m)

bhall@cricpa.com

Text **CRI** to **66866** to receive CRI News and Alerts.

CARR, RIGGS & INGRAM, LLC

RESTORE Coordinator Report
March 20, 2018

1- Update on Alligator Drive Toll Road Discussion with APTA- Inform the Board that I attended the March 10 APTA meeting as directed by the Board. The meeting lasted about 1.5 hours and was attended by approximately 50 residents. There was a lot of interchange between myself, the residents, and a presentation from Allan Feifer. Before I start with my report I want to insert into the record the letters the Board received in 1978 from FDOT when the road was initially turned over to the county. I do this because I have had phone calls from residents wanting to know the terms on which the county accepted the road. There were no terms. The road was given to the county without discussion.

Some APTA residents might be here this morning to respond to what I say here, but these are my conclusions from the meeting.

A) There are two options for the road; I told the residents that if the road gets damaged in the future the county might leave the road as a limerock road; or, the residents look at some sort of funding mechanism so that they can help generate funds to protect the road from future damage. Alligator Point Road is the most expensive road in the county and the county budget does not include enough funds if significant maintenance is needed in the future. One half of the Bald Point Trust fund will be consumed in fixing the current 1100 feet of damaged road.

B) By general consensus the residents do not want a limerock road and are willing to look at some sort of funding to help protect the road.

C) The toll road evaluated in the APTA White Paper is too expensive to build and operate, with over 60% of expected revenues just going to overhead, so the residents agree that we should not pursue that option.

D) I did discuss protecting the road with just sheetpile in the event of future damage, so that is one option, but the main discussion was about using a beach renourishment project to protect the road from future damage. The residents at the meeting were willing to discuss the costs of protecting the road through beach renourishment. Mr. Burt Boldt asked about extending the concept of beach renourishment so that it went back to the original plan the county had proposed. The meeting participants seemed only interested in protecting the road. I told the meeting that if the community wanted to re-consider the original beach renourishment project that they would have to initiate that discussion because the Board was abiding by the vote that had been taken that the community did not want to pay for beach renourishment on a large scale.

E) In protecting the road from future damage, two options were discussed:

Creating an MSTU/MSBU which would put an assessment on all lots that could be construed as benefiting from the protected road; or looking at a less expensive version of a toll road that was proposed by Mr. Allan Feifer. Mr. Feifer presented a very rough economic analysis of how his system would work, and I have included his rough numbers with my report. I agreed to look at his numbers with the county engineering firm to see what they thought.

F) My final take away of the meeting was that if an assessment could be brought down to the \$150 to \$250 a year range there was more support for an assessment. I have

asked the Property Appraiser to calculate the number of parcels on Bald Point and Alligator Point and she says there are 1225 parcels. So, if a \$250 assessment were put on those lots it would theoretically raise enough funds to pay for beach and road maintenance. However, this assessment is predicated on the Board providing the initial beach through a combination of RESTORE/FDEP state funds. If the Board is interested in pursuing an assessment it needs to direct me to contact Ms. Camille Tharpe, with GSG, and discuss with her the legality of including Bald Point lots in the assessment because I imagine there will be great dissent from some people regarding the assessment. Board discussion.

2- TRIUMPH update on local projects- The City of Apalachicola has decided that it does not want to prioritize their projects, nor reduce their funding requests to \$2M. I have provided the Board with the letter I received from the City stating the City intends to submit all its projects directly to TRIUMPH. The City of Carrabelle is already below the \$2M cap the county created for the first phase of projects so the City can receive letters of support for all of its projects without a need to prioritize. In a telephone conversation I had with the Mayor, she indicated that the City might not complete a TRIUMPH application for their \$250K city hall project because the TRIUMPH staff was not satisfied the project would create enough economic benefit to warrant funding. So, at this time I believe the City of Carrabelle will be submitting 3 TRIUMPH applications for a total funding of around \$1.25M. FSU has revised its TRIUMPH application to be below the \$2M for the first phase. The county, in our one project for the Armory, meet our own \$2M cap. The School District has yet to receive their letters from TRIUMPH encouraging them to submit applications so for the time being it is premature for the county commission to act on the School District projects, and so I consider them to outside of the first phase of county projects. I discussed this with the Chairman and with Ms. Traci Moses, School Superintendent. So, at this time I don't see a need for a TRIUMPH workshop, but I defer to the Board. Board direction.

3- Inform Board of the results from the March 16 TRIUMPH Board meeting I attended in Milton. The TRIUMPH staff presented a recommendation to fund one \$10M for the Port of Panama City. They have in the pipeline 4 workforce projects they think might be presented at the next TRIUMPH meeting. If those are approved it would mean TRIUMPH has acted on 5 out of the some 120 pre-applications that they have received. TRIUMPH staff did acknowledge that full applications are slow in coming in, and part of that reason is the difficulty in generating economic benefits that TRIUMPH will accept. Franklin County may very well run into that same problem but your county staff is meeting with TRIUMPH staff tomorrow to go over the Armory project.

I am not sure it will be necessary to attend all future TRIUMPH meetings. Public comment comes at the end of the meeting, after all action regarding projects has been concluded.

4- Inform Board that we will be opening bids on May 1 for the final rebuilding of Gulf Shore Blvd. This is a FEMA project for which the county will have to contribute 12.5% of the costs, and the county costs will come out of the Bald Point Trust Fund.

Florida

REUBIN O'D. ASKEW
GOVERNOR



Department of Transportation

Haydon Burns Building, 605 Suwannee Street, Tallahassee, Florida 32304

TOM WEBB, JR.
SECRETARY

January 26, 1978

Chairman, Board of County
Commissioners
Franklin County Courthouse
Apalachicola, Florida 32320

Dear Chairman:

Re: Franklin County - Section 49020, SR 370
From SR 30 to Alligator Point
The length is 7.063 miles.

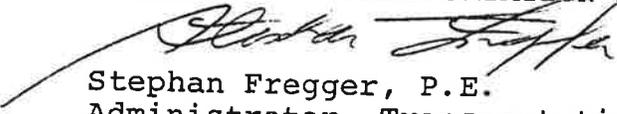
This is in further reference to our November 4, 1977 advance notification letter which advised you of the scheduled transfer of the subject road to the jurisdictional responsibility of your county.

Secretary of Transportation Tom Webb has formally approved the deletion of the road from the State Highway System, and the road was officially transferred to county responsibility upon the recording of the right of way map in the public land records of the county on January 4, 1978.

You are also advised that all obligations under any maintenance, utility, or railroad crossing agreement or other such agreements were transferred at the same time and in the same manner. The District is now preparing a folio of information about the transferred agreements which will be forwarded to you in the near future.

Sincerely,

RAY G. L'AMOREAUX, DIRECTOR
DIVISION OF TRANSPORTATION PLANNING


Stephan Fregger, P.E.
Administrator, Transportation Statistics

SF/mwb

cc: Clerk to the Board of County
Commissioners
District Engineer
District Planning Engineer
District Maintenance Engineer
County Engineer
Mr. E. Salley
Mr. D. Turnbull
Mr. J. Sweinhart

Florida

REUBIN O'D. ASKEW
GOVERNOR



Department of Transportation

Haydon Burns Building, 605 Suwannee Street, Tallahassee, Florida 32304

TOM WEBB, JR.
SECRETARY

January 26, 1978

Chairman, Board of County
Commissioners
Franklin County Courthouse
Apalachicola, Florida 32320

Dear Chairman:

Re: Franklin County - Section 49020, SR 370 Leg A
From SR 370 to Bald Point
The length is 3.934 miles.

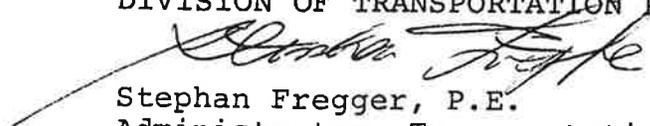
This is in further reference to our November 3, 1977 advance notification letter which advised you of the scheduled transfer of the subject road to the jurisdictional responsibility of your county.

Secretary of Transportation Tom Webb has formally approved the deletion of the road from the State Highway System, and the road was officially transferred to county responsibility upon the recording of the right of way map in the public land records of the county on January 4, 1978.

You are also advised that all obligations under any maintenance, utility, or railroad crossing agreement or other such agreements were transferred at the same time and in the same manner. The District is now preparing a folio of information about the transferred agreements which will be forwarded to you in the near future.

Sincerely,

RAY G. L'AMOREAUX, DIRECTOR
DIVISION OF TRANSPORTATION PLANNING


Stephan Fregger, P.E.
Administrator, Transportation Statistics

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cc: Clerk to the Board of County
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District Engineer
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Mr. J. Sweinhart

Florida

REUBIN O'D. ASKEW
GOVERNOR



Department of Transportation

Haydon Burns Building, 605 Suwannee Street, Tallahassee, Florida 32304

TOM WEBB, JR.
SECRETARY

January 26, 1978

Chairman, Board of County
Commissioners
Franklin County Courthouse
Apalachicola, Florida 32320

Dear Chairman:

Re: Franklin County - Section 49020, SR 370 Leg B
From SR 370 to SR 370
The length is .569 mile.

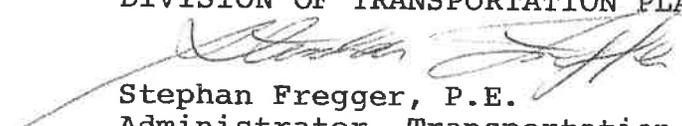
This is in further reference to our November 4, 1977 advance notification letter which advised you of the scheduled transfer of the subject road to the jurisdictional responsibility of your county.

Secretary of Transportation Tom Webb has formally approved the deletion of the road from the State Highway System, and the road was officially transferred to county responsibility upon the recording of the right of way map in the public land records of the county on January 4, 1978.

You are also advised that all obligations under any maintenance, utility, or railroad crossing agreement or other such agreements were transferred at the same time and in the same manner. The District is now preparing a folio of information about the transferred agreements which will be forwarded to you in the near future.

Sincerely,

RAY G. L'AMOREAUX, DIRECTOR
DIVISION OF TRANSPORTATION PLANNING


Stephan Fregger, P.E.
Administrator, Transportation Statistics

SF/mwb

cc: Clerk to the Board of County
Commissioners
District Engineer
District Planning Engineer
District Maintenance Engineer
County Engineer
Mr. E. Salley
Mr. D. Turnbull
Mr. J. Sweinhart

Alligator Point Barrier Proposal—3-10-18

Note: Does not include predevelopment costs/surveys

One Time Costs:

Civil Work (Assumes barrier just before proposed new fire station)	\$60,000
Toll Barrier Specific Equipment	\$50,000
Parking Upgrades/Meters (Assume use of newly acquired county property)	\$80,000
Total One Time Cost (Note: no allowance for finance costs)	\$190,000

Recurring Annual Costs:

Part-Time Employee	\$25,000
Misc. Expenses (travel, accounting, security, etc.)	\$10,000
Maintenance and repair of equipment both at barrier and parking areas	\$20,000
Reserve for Depreciation	\$25,000
Total Annual Recurring Costs	\$80,000

Revenue:

Assumptions are 500 vehicles a day paying \$1.50 and 500 Annual Passes paying \$150 each and 100 parking spaces generating \$100 a day total

Annual Revenue for Vehicles:	\$273,750
Annual Revenue for Annual Passes	\$75,000
Parking	\$36,500
<u>Total Revenue:</u>	\$385,250
Minus Expenses	\$80,000
<u>Net Revenue:</u>	\$305,250

Please note to all that this is a totally back of the napkin exercise for discussion only! Allan Feifer



CITY OF APALACHICOLA

1 Avenue E • Apalachicola, Florida 32320 • 850-653-9319 • Fax 850-653-2205
www.cityofapalachicola.com

Mayor
Van W. Johnson, Sr.

Alan Pierce
Franklin County RESTORE Coordinator
Board of County Commissioners
33 Market Street, Suite 203
Apalachicola, FL 32320

Commissioners
Brenda Ash
John M. Bartley, Sr.
Frank Cook
James L. Elliott

City Administrator
Lee H. Mathes, MMC

March 7, 2018

City Clerk
Deborah Guillotte, CMC

Dear Alan:

City Attorney
J. Patrick Floyd

Thank you for your February 22 memo of guidance on getting letters of support from the County on proposed Triumph applications. We appreciate that Franklin County is willing to endorse up to \$2M worth of project applications from the City. However, as you know, the City received notice from the Triumph staff that they were invited to submit full applications on all five projects proposed for Triumph funding which total \$5.5M.

The City is reluctant to prioritize or eliminate any of its projects. As a result, the City Commission voted on March 6 to send all five applications directly to the Triumph Board for consideration.

I will keep you posted on our progress. Thanks for your help.

Regards,



Cindy Clark
City of Apalachicola
TRIUMPH Project Coordinator

County Coordinator's Report
BOCC Regular Meeting
March 20, 2018

1. Weems Update
 - a. As of Monday, the operating account balance is \$185,892. Payroll is due on tomorrow and will reduce this balance by \$165,000. The balance in the Money Market (savings) account is \$353,019. A \$181,106 DISH payment is expected but has not been released as yet.
 - b. Inform the Board that Mr. Cooper and I are looking at options that will allow Weems to possibly provide more benefits to both the hospital workers and the Emergency Medical Services workers. This matter will be discussed at the March 29th Weems Board of Directors meeting. I will include the results of that discussion on my April 3rd BOCC report.
2. **Board Action** to approve and authorize the Chairman's signature on the following contracts:
 - a. A \$25,279 contract with OliverSperry for repairs/renovations to the Weems Memorial Hospital Emergency Room dock area. Proposals were opened at your February 20th meeting.
 - b. A \$45,169 contract with OliverSperry for renovations to the County's Public Defender's office. After opening the proposals on February 20th, staff and Mr. Doug Shuler, the project architect, decided it was necessary to reduce the scope of work so that the project cost would meet the \$45,000 budget amount.
 - c. A \$46,408.22 contract with Dewberry for Construction Engineering & Inspection services (CEI) for the Bayshore Drive Sidewalk project. Dewberry was ranked the highest out of the firms that applied and has negotiated the contract amount with staff. Your approval will be contingent on FDOT's approval.
3. Inform the Board that based on under run on some of the quantities in the paving contractor's contract there is enough unused money to extend the length of the Mill Road paving project by 500 linear feet for no additional cost. Since this additional paving doesn't extend the project north of White Way and there is no additional cost, FDOT has no issues with this extension and a change order isn't necessary.
4. **Board action** to authorize travel and expenses for Commissioner Jones to attend the G-402 Incident Command System (ICS), Overview for Executive and Senior Officials on Thursday, May 3, 2018 in Sebring, Florida. This is part of the State Emergency Response Team compliance training. The other Board members have already taken this class.
5. Inform the Board that I have been notified by Mr. Jim Oskowis, of FDEP, who is managing our Natural Resource Damage Assessment (NRDA) projects that it is still the State's position that the County does not own the St. George Island (SGI) Fishing Pier

property and a resolution to this issue will take a lot longer than previously thought. Mr. Oskowis is recommending that we delete the SGI Fishing Pier Restroom and Seawall Replacement projects and use that funding for any contingencies that may occur from the other three NRDA projects which are the Eastpoint Fishing Pier Restroom, Indian Creek Boat Ramp, and the Waterfront (Lombardi's) Park Improvement. This action will allow the funding from the SGI Fishing Pier Restroom and Seawall Replacement project to be used in Franklin County. **Board action** to authorize a letter to Mr. Oskowis deleting the SGI Fishing Pier Restroom and Seawall Replacement projects and transferring those funds to the other three NRDA projects as it is needed.

6. Inform the Board that the contractor for the NRDA Waterfront (Lombardi) project has expressed some concerns with the existing roof trusses and sheathing on the old "shucking" building that will be converted to the Heritage Museum. To summarize, the contractor would like to replace the trusses and sheathing, install metal brackets as required by code, and install adequate strapping including hurricane straps. As a cost saving measure, the contractor would like to reuse the metal panel roofing panels since they appear to be in good condition. However, the contractor and the State requests a waiver from the County stating that the condition of the metal roof panels will not be warrantied since they are being removed and then reinstalled. Until this matter is resolved, the State will not issue the necessary change order and that part of the project will be stalled. **Board action** to authorize Attorney Shuler to create this waiver and authorize the Chairman's signature on the waiver.
7. **Board action** to authorize the Chairman's signature on the 2018 Spring Rural County Grant for the Sheriff's Department in the amount of \$29,592.44. This grant is TRI-County E911 System Maintenance Grant and will be used to pay annual maintenance cost for the County's 911 System. Ms. Brannan, the E911 Director, is here to answer any questions you may have.
8. Mrs. Leslie Cox, of Green Guide, submitted, for Board consideration, some recommendations on mowing the right-of-way on CR 67 in order to protect important native grasses and wildflowers for fall migration of butterflies. I did some research and found Wakulla County's newest mowing plan submitted to FDOT. Both documents are included in your packet. Is the Board interested submitting a new mowing plan to FDOT for State Roads and/or changing the mowing plan for County roads? Board discussion.
9. The County received notice that the Florida State University Coastal and Marine Lab received verification of exemption from the Florida Department of Environmental Protection to install oyster recruitment structures on the surface of existing degrading oyster reef habitat within Alligator Harbor. A copy of the letter is included in your packet.

10. Congresswoman Frederica Wilson of Florida's District 24 would once again like the Board to support a proclamation recognizing May 14, 2018 as Child Welfare Professional Recognition Day. A copy of the proclamation is included in your packet.
11. **Board action** to appoint Mr. Jerry Jackson to the Planning and Zoning Commission to fill one of the alternate seats. Mr. Jackson lives in Commissioner Massey's district and as an at large member will only vote when there are not enough regular members to meet the quorum requirements. He will take the place of Mr. William Burgess who moved away. Commissioner Massey is familiar with Mr. Jackson.
12. Inform the Board that the Armory Calendar is now online. A link to the calendar can be found on the County's website on the main page under the Quick Links tab. As a public notice I recommend that anyone that has reserved the Armory but don't see their reservation indicated on the calendar contact Sharon or Cheyenne (653-9783) as soon as possible to discuss their reservation.
13. Inform the Board that I will be attending Thursday's Full Council Board meeting for the Apalachee Regional Planning Council with Commissioner Jones.
14. Inform the Board that Mr. Richard Williams and Mr. Antonio Jefferson of Opportunity Florida (OF) will be on your April 3rd meeting agenda. They would like to discuss the possibility of Franklin County joining OF.
15. Included in your packet is flyer advertising the Apalachicola Airport Wings and Wheels Aviation Day which will be held on March 24th from 11 a.m. to 3p.m.

MEMO

TO: Franklin County Board of County Commissioners

FROM: Lesley Cox, Green Guide, Florida Master Naturalist

DATE: February 28, 2018

CR 67 Mowing Schedule to Benefit Wildflowers

“Beauty, bees and butterflies are just the beginning. FDOT already recognizes that maintenance costs could be reduced 30% just by reducing the mowing schedule, a practice readily accommodated by incorporating and expanding wildflower areas on the roadside.” Florida Department of Transportation study, March 2014.

Franklin County passed a Wildflower Resolution in 2012. Since that time FDOT has implemented a beneficial mowing schedule for HWY 98 and other state highways in District 3. The Florida Wildflower Foundation has included County Road 67 on the Florida Wildflower Corridor Map as an exemplary location for wildflower viewing. For the past several years I have been documenting the destruction of endangered plants in the ditches along CR 67. I would like to suggest a more beneficial mowing schedule as a way to increase bloom potential especially during peak butterfly season. If managed appropriately, the existing native wildflower species should be sustainable, and the extent of species will most likely expand.

If there is concern about an increase in wildlife mortality, studies suggest in the case of deer that reduced mowing may actually discourage the animals from using roadsides, because there is not as much new growth for grazing .

The benefits of properly functioning, well-vegetated roadside ditches include enhanced pollinator habitat, increased water infiltration, reduced soil erosion, delayed runoff after heavy rains, and improved aesthetics.

1. Mow as needed: 6 foot shoulder safety zone of grass to allow for visibility. **NOT in the ditch or the back side of the swale**
2. Mow full right-of-way every December.
3. Avoid scalping by mowing vegetation to a height of 6 inches.
4. Avoid mowing when there is water in the ditches or the soils are wet as this increases rutting, even if it means skipping a scheduled mow.
5. Do not use herbicides.

With appropriate signage, the county can alert mowers and tourists that the area is maintained to benefit native wildflowers.

Protect the “Fall Bloom” of important native grasses and wildflowers for fall migration of butterflies.



**BOARD OF
COUNTY COMMISSIONERS**

Ralph Thomas
Chairman, District 1

Charles Hess, Ph.D.
Vice-Chairman, District 5

Randy Merritt
District 2

Mike Stewart
District 3

Jerry Moore
District 4

J. David Edwards
County Administrator

Heather J. Encinosa
County Attorney
(850) 224-4070

Administration Office
Post Office Box 1263
Crawfordville, FL 32326
(850) 926-0919
(850) 926-0940 FAX

March 5, 2018

Dustie Moss
FDOT District Landscape Project Manager
1074 Highway 90
Chipley, Fl. 32428-2162

RE: Revised Mowing Plan for State Roads in Wakulla County

Dear Ms. Moss:

Wakulla County appreciates FDOT's commitment to mowing and maintaining our state roadways.

On behalf of the Wakulla County Board of County Commissioners, I respectfully request that FDOT revise its current mowing plan for state roads in Wakulla County as follows:

We request that the following roads receive two (2) full right-of-way mows; one in Winter & one in mid-May through June, otherwise receive only the 15-foot safety-strip mows the rest of the year:

- Hwy 267 from the Leon County Line to Hwy 98 in Newport (both sides, 29 miles)
- Hwy 319 (Sopchoppy Hwy) from Hwy 98 in Medart to the Franklin County Line (both sides, 12 miles)
- Hwy 98 West from Hwy 319 in Medart to the Franklin County Line (both sides, 8 miles)
- Hwy 98 East from Hwy 319 to the Wakulla River (both sides), but **Please note on this section of the road the safety strip shall be the front slope to the beginning of the swale.**
- Hwy 98 East from the Wakulla River to the Jefferson County Line (both sides)
- Woodville Hwy (Hwy 363) between Hwy 267 and Hwy 98 (both sides, 2.5 miles)

All areas of state roads that are not addressed in the list above should receive 6 full mows of the right-of-way.

We believe this revised mowing plan will address public safety concerns, simplify the mowing schedule for contractors, yet allow wildflower growth in our county to flourish.

Thank you for considering this request. Please contact us if you have any questions regarding this revised plan.

Sincerely,


Ralph Thomas, Chairman



Florida Department of Environmental Protection

Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

March 14, 2018

Florida State University Coastal and Marine Laboratory
c/o Felicia Coleman
3618 Highway 98
Sopchoppy, Florida 32358
Fcoleman@fsu.edu

File No.: 0351156-004-EE/19, Franklin County

Dear Ms. Coleman:

On March 01, 2018, we received your request for verification of exemption to perform the following activities:

To install oyster recruitment structures on the surface of existing degrading oyster reef habitat. Eight (8) different study treatments will be utilized (see attached project description). The proposed activities will take place within Alligator Harbor, Class II Waters of the State, Outstanding Florida Waters, Alligator Harbor Aquatic Preserve, Unclassified for Shellfish Harvesting, waterward of 3618 US Highway 98, St. Teresa, Florida 32358, Section 35, Township 06 South, Range 03 West, Franklin County, at Latitude 29°54'55.19" North / Longitude 84°30'40.28" West.

Your request has been reviewed to determine whether it qualifies for (1) regulatory exemption, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal approval that may be necessary for work in wetlands or waters of the United States.

Your project qualifies for all three. However, this letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity.

If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

If you have any questions regarding this matter, please contact Ryan Heffernan at the letterhead address, at (850)595-0568, or at Ryan.Heffernan@dep.state.fl.us.

1. Regulatory Review – Verified

Based on the information submitted, the Department has verified that the activity as proposed is exempt, under Rule 62-330.051(11)(b), Florida Administrative Code (F.A.C.) from the need to obtain a regulatory permit under Part IV of Chapter 373 of the Florida Statutes.

This exemption verification is based on the information you provided the Department and the statutes and rules in effect when the information was submitted. This verification may not be valid if site conditions materially change, the project design is modified, or the statutes or rules governing the exempt activity are amended. In the event you need to re-verify the exempt status for the activity, a new request and verification fee will be required. Any substantial modifications to the project design should be submitted to the Department for review, as changes may result in a permit being required.

General Conditions for Exemptions

The following apply when specified in an exemption in Rule 62-330.051, F.A.C.:

1. Activities shall not exceed a permitting threshold in section 1.2 of the applicable Volume II;
2. Construction, alteration, and operation shall not:
 - a. Adversely impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands;
 - b. Cause an adverse impact to the minimum flows and levels established pursuant to Section 373.042, F.S.
 - c. Cause adverse impacts to a Work of the District established pursuant to Section 373.086, F.S.;
 - d. Adversely impede navigation or create a navigational hazard;
 - e. Cause or contribute to a violation of state water quality standards. Turbidity, sedimentation, and erosion shall be controlled during and after construction to prevent violations of state water quality standards, including any antidegradation provisions of paragraphs 62-4.242(1)(a) and (b), subsections 62-4.242(2) and (3), and Rule 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters due to construction-related activities. Erosion and sediment control best management practices shall be installed and maintained in accordance with the guidelines and specifications described in the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual* (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-02530>), and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual* (Florida Department of Environmental Protection, Nonpoint Source Management Section,

Tallahassee, Florida, July 2008), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-02531>).

3. When performed in waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon, all in-water work shall comply with the following.
 - a. All vessels associated with the project shall operate at “Idle Speed/No Wake” at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
 - b. All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.
 - c. All in-water activities, including vessel operation, must be shut down if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All on-site project personnel are responsible for observing water-related activities for the presence of listed species.
 - d. Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1 (888)404-3922 and ImperiledSpecies@myFWC.com. Copies of incorporated materials identified above may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C.

2. Proprietary Review – Granted

The Department acts as staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees) and issues certain authorizations for the use of sovereign submerged lands. The Department has the authority to review activities on sovereign submerged lands under Chapters 253 and 258, F.S. and Chapters 18-20 and 18-21, F.A.C.

The activity appears to be located on sovereign submerged lands owned by the Board of Trustees. The activity is not exempt from the need to obtain the applicable proprietary authorization. As staff to the Board of Trustees, the Department has reviewed the activity described above, and has determined that the activity qualifies for a Letter of Consent under Section 253.77, F.S. to construct and use the activity on the specified sovereign submerged lands, as long as the work performed is located within the boundaries as described herein and is consistent with the terms and conditions herein.

During the term of this Letter of Consent you shall maintain satisfactory evidence of sufficient upland interest as required by paragraph 18-21.004(3)(b), F.A.C. If such interest is terminated or

the Board of Trustees determines that such interest did not exist on the date of issuance of this Letter of Consent, this Letter of Consent may be terminated by the Board of Trustees at its sole option. If the Board of Trustees terminates this Letter of Consent, you agree not to assert a claim or defense against the Board of Trustees arising out of this Letter of Consent.

Special Consent Conditions for Sovereign Submerged Lands Authorization

1. The applicant agrees to indemnify, defend and hold harmless the Board of Trustees and the State of Florida from all claims, actions, lawsuits and demands in any form arising out of the authorization to use sovereignty submerged lands or the applicant's use and construction of structures on sovereignty submerged lands. This duty to indemnify and hold harmless will include any and all liabilities that are associated with the structure or activity including special assessments or taxes that are now or in the future assessed against the structure or activity during the period of the authorization.
2. Failure by the Board of Trustees to enforce any violation of a provision of the authorization or waiver by the Board of Trustees of any provision of the authorization will not invalidate the provision not enforced or waived, nor will the failure to enforce or a waiver prevent the Board of Trustees from enforcing the unenforced or waived provision in the event of a violation of that provision.
3. Applicant binds itself and its successors and assigns to abide by the provisions and conditions set forth in the authorization. If the applicant or its successors or assigns fails or refuses to comply with the provisions and conditions of the authorization, the authorization may be terminated by the Board of Trustees after written notice to the applicant or its successors or assigns. Upon receipt of such notice, the applicant or its successors or assigns will have thirty (30) days in which to correct the violations. Failure to correct the violations within this period will result in the automatic revocation of this authorization.
4. All costs incurred by the Board of Trustees in enforcing the terms and conditions of the authorization will be paid by the applicant. Any notice required by law will be made by certified mail at the address shown on page one of the authorization. The applicant will notify the Board of Trustees in writing of any change of address at least ten days before the change becomes effective.
5. This authorization does not allow any activity prohibited in a conservation easement or restrictive covenant that prohibits the activity.

General Conditions for Authorizations for Activities on State-Owned Submerged Land

All authorizations granted by rule or in writing under Rule 18-21.005, F.A.C., except those for geophysical testing, shall be subject to the general conditions as set forth in paragraphs (a) through (i) below. The general conditions shall be part of all authorizations under this chapter, shall be binding upon the grantee, and shall be enforceable under Chapter 253 or 258, Part II, F.S.

- (a) Authorizations are valid only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use shall constitute a violation. Violation of the authorization shall result in suspension or revocation of the grantee's use of the sovereignty submerged land unless cured to the satisfaction of the Board.
- (b) Authorizations convey no title to sovereignty submerged land or water column, nor do they constitute recognition or acknowledgment of any other person's title to such land or water.
- (c) Authorizations may be modified, suspended, or revoked in accordance with their terms or the remedies provided in Sections 253.04 and 258.46, F.S., or Chapter 18-14, F.A.C.
- (d) Structures or activities shall be constructed and used to avoid or minimize adverse impacts to sovereignty submerged lands and resources.
- (e) Construction, use, or operation of the structure or activity shall not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.
- (f) Structures or activities shall not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity shall be modified in accordance with the court's decision.
- (g) Structures or activities shall not create a navigational hazard.
- (h) Structures shall be maintained in a functional condition and shall be repaired or removed if they become dilapidated to such an extent that they are no longer functional. This shall not be construed to prohibit the repair or replacement subject to the provisions of Rule 18-21.005, F.A.C., within one year, of a structure damaged in a discrete event such as a storm, flood, accident, or fire.
- (i) Structures or activities shall be constructed, operated, and maintained solely for water dependent purposes, or for non-water dependent activities authorized under paragraph 18-21.004(1)(f), F.A.C., or any other applicable law.

3. Federal Review – SPGP Approved

Your proposed activity as outlined in your application and attached drawings qualifies for federal authorization pursuant to the State Programmatic General Permit (SPGP) V, and a **SEPARATE permit** or authorization **will not be required** from the U.S. Army Corps of Engineers (Corps). Please note that the federal authorization expires on July 26, 2021. However, your authorization may remain in effect for up to one (1) additional year if provisions of Special Condition B.27 of the SPGP V permit instrument are met. You, as permittee, are required to adhere to all General Conditions and Special Conditions that may apply to your project. Special conditions required for your project are attached. A copy of the SPGP V with all terms and conditions and the General Conditions may be found online in the Jacksonville District Regulatory Division Sourcebook.

Authority for review – an agreement with the Corps entitled “Coordination Agreement Between the U.S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection, or Duly Authorized Designee, State Programmatic General Permit,” Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Additional Information

Please retain this letter. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S. and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department’s action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency’s file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner’s representative, if any, which shall be the address for

- service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
 - (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
 - (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
 - (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
 - (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S. or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

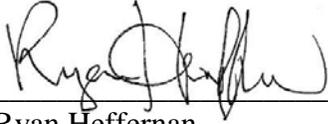
Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S. by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Ryan Heffernan
Environmental Specialist
Submerged Lands and Environmental Resources Program

Attachment(s):

1. Rule 62-330.051(11)(b), F.A.C.; 1 page
2. General Conditions for Federal Authorization for SPGP V, 2 pages
3. SPGP V: Special Conditions Related to All Review and Authorizations, 7 pages
4. Department of the Army Permit Transfer for SPGP V, 1 page
5. Project Drawings, 9 pages

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Mia Zarbo, U.S. Army Corps of Engineers, Maria.D.Zarbo@usace.army.mil
Franklin County, bettywebb@cityofapalachicola.com; citycbel@gtcom.net;
amyh@fairpoint.net; michael@franklincountyflorida.com
Aquatic Preserve, Jennifer.harper@dep.state.fl.us; Jonathan.Brucker@dep.state.fl.us
Katie Konchar, Katie.Konchar@myfwc.com
Sandra Brooke, sbrooke@fsu.edu

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

March 14, 2018
Date

62-330.051 Exempt Activities.

The activities meeting the limitations and restrictions below are exempt from permitting. However, if located in, on, or over state-owned submerged lands, they are subject to a separate authorization under Chapters 253 and 258, F.S., and Chapters 18-18, 18-20, and 18-21, F.A.C., as applicable.

(11) Sampling and Testing –

(b) Construction, operation, maintenance, and removal of scientific sampling, measurement, and monitoring devices, provided:

1. The device's purpose is to measure and record scientific data, such as staff gages, tide and current gages, meteorological stations, water recording, biological observation and sampling, and water quality testing and improvement. Parshall flumes and other small weirs installed primarily to record water quantity and velocity are authorized, provided the amount of fill is limited to 25 cubic yards,

2. The device and any associated structures or fill, such as foundations, anchors, buoys, and lines, is removed to the maximum extent practicable at the end of sampling,

3. The site is restored to pre-construction conditions within 48 hours of complete use of the device,

4. All work is conducted in compliance with subsection 62-330.050(9), F.A.C.

Rulemaking Authority 373.026(7), 373.043, 373.4131, 373.4145, 403.805(1) FS. Law Implemented 373.406, 373.4131, 373.4145, 373.415, 403.813(1) FS. History—New 10-1-13.

General Conditions for Federal Authorization for SPGP V

1. The time limit for completing the work authorized ends on July 26, 2021.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner on the enclosed form and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Further Information:

1. Limits of this authorization.
 - a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
 - b. This permit does not grant any property rights or exclusive privileges.
 - c. This permit does not authorize any injury to the property or rights of others.
 - d. This permit does not authorize interference with any existing or proposed Federal projects.
2. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
 - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
 - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
 - c. Damages to persons, property, or to other permitted or unpermitted activities or structures

caused by the activity authorized by this permit.

- d. Design or Construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

3. **Reliance on Applicant's Data:** The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

4. **Reevaluation of Permit Decision:** This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 3 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

5. Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CER 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date the enclosed form.

7. The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal, relocation or alteration.

Special Conditions Related to All Review and Authorizations

In addition to the conditions specified above, the following Special Conditions apply to all projects reviewed and/or authorized under the SPGP V.

1. The District Engineer reserves the right to require that any request for authorization under this SPGP V be evaluated as an Individual Permit. Conformance with the terms and conditions of the SPGP V does not automatically guarantee Federal authorization.
2. On a case-by-case basis the Corps may impose additional Special Conditions which are deemed necessary to minimize adverse environmental impacts.
3. Failure to comply with all conditions of the Federal authorizations under the SPGP V would constitute a violation of the Federal authorization.
4. No structure or work shall adversely affect or disturb properties listed in the National Register of Historic Places or those eligible for inclusion in the National Register. Prior to the start of work, the Applicant/Permittee or other party on the Applicant's/Permittee's behalf, shall conduct a search of known historical properties by contracting a professional archaeologist, and contacting the Florida Master Site File at 850-245-6440 or SiteFile@dos.state.fl.us. The Applicant/Permittee can also research sites in the National Register Information System (NRIS). Information can be found at <http://www.cr.nps.gov/nr/research>.
 - a. If, during the initial ground disturbing activities and construction work, there are archaeological/cultural materials unearthed (which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work in the vicinity and notify the Compliance and Review staff of the State Historic Preservation Office at 850-245-6333 and the Corps Regulatory Project Manager to assess the significance of the discovery and devise appropriate actions, including salvage operations. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7.
 - b. In the unlikely event that human remains are identified, they will be treated in accordance with Section 872.05, Florida Statutes; all work in the vicinity shall immediately cease and the local law authority, the State Archaeologist (850-245-6444), and the Corps Regulatory Project Manager shall immediately be notified. Such activity shall not resume unless specifically authorized by the State Archaeologist and the Corps.
5. No work shall be authorized under the SPGP V which proposes the use of prefabricated modules for habitat creation, restoration, or enhancement except as allowed in Special Condition 17 for *Living Shorelines* of the *Shoreline Stabilization* category.
6. The Design and construction of a Project must comply with the following.

a. Where aquatic vegetation is present, adverse impacts to aquatic vegetation from construction of piling-supported structures may be avoided/minimized by adherence to, or employing alternative construction techniques that provide a higher level of protection than, the protective criteria in the joint U.S. Army Corps of Engineers'/National Marine Fisheries Service's "*Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat,*" U.S. Army Corps of Engineers/National Marine Fisheries Service August 2001 (updated June 2008). Unless otherwise specifically approved by the National Marine Fisheries Service, where aquatic vegetation is present, piling-supported structures authorized under the SPGP V must comply with, or provide a higher level of protection than, the criteria contained in the referenced construction guidelines. Mangrove impacts are limited to the removal of mangroves along 4 linear feet of shoreline to accommodate a 4-ft wide access walkway associated with a dock that meets the above guidelines.

b. Additionally, because of concerns about adverse impacts to the endangered Johnson's seagrass (*Halophila johnsonii*) in the lagoon and canal systems on Florida's east coast from Sebastian Inlet (Brevard County) south to and including central Biscayne Bay (Miami-Dade County), the following requirements must be met:

(1) Piling-supported structures must comply with, or provide a higher level of protection than, the criteria contained in the construction guidelines titled "*Key for Construction Conditions for Docks or Other Minor Structures Constructed in or Over Johnson's seagrass (Halophila johnsonii),*" National Marine Fisheries Service/U.S. Army Corps of Engineers – February 2002 (updated October 2002).

(2) Removal of derelict vessels must comply with the practices of Special Condition 19.

(3) All other activities will have no effect on Johnson's seagrass, i.e., no seagrass is present.

c. The presence of seagrass will be determined utilizing the attached "*Submerged Aquatic Vegetation Survey Guidelines.*"

7. For projects in waters accessible to sea turtles, Smalltooth sawfish, Gulf sturgeon, or Shortnose sturgeon, the Permittee will utilize the "*Sea Turtle and Smalltooth Sawfish Construction Conditions*" and the following additions:

a. Any collision(s) with and/or injuries to any whale, or sturgeon occurring during the construction of a project, shall be reported immediately to NMFS's Protected Resources Division (PRD) at (727-824-5312).

b. Reports to NMFS's Protected Resources Division (PRD) may be made by email to takereport.nmfsser@noaa.gov.

c. Sea turtle and marine mammal stranding/rescue organizations' contact information is available by region at <http://www.nmfs.noaa.gov/pr/health/networks.htm>.

d. Smalltooth sawfish encounters shall be reported to <http://www.flmnh.ufl.edu/fish/sharks/sawfish/sawfishencounters.html>.

e. All work must occur during daylight hours.

8. The Permittee is responsible for obtaining any “take” permits required under the U.S. Fish and Wildlife Service’s regulations governing compliance with the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. The Permittee should contact the appropriate local office of the U.S. Fish and Wildlife Service to determine if such “take” permits are required for a particular activity.

9. The Permittee is responsible for compliance with 50 CFR 224.103(c) prohibiting approach within 500 yards of a right whale, with limited exceptions.

10. Turbidity control measures shall be used throughout construction to control erosion and siltation to ensure there are no violations of state or federal water quality standards. Turbidity control measures shall be: (1) for the smallest practicable area; (2) monitored daily to ensure listed species are not entangled or trapped in the project area; (3) shall be removed promptly upon project completion and the return of water quality conditions; (4) and shall not block entry to or exit from designated critical habitat. Siltation barriers shall be made of material in which listed species cannot become entangled (i.e., reinforced impermeable polycarbonate vinyl fabric [PVC]).

a. Turbidity curtains are not required where not practical in dynamic systems such as surf zones and could actually do more harm than good if the curtains become detached (e.g., they could entrap pelagic organisms and become entangled around benthic organisms, such as coral).

b. Turbidity barriers are not required if installation of single piling in deep water since is unlikely to adversely affect water quality.

11. In-water rope or chain must meet the following requirements: Industrial grade metal chains or heavy cables that do not readily loop and tangle; All in-water lines (rope and cable) must be thick and taut and cannot have excess line in the water; Lines can be enclosed in a plastic or rubber sleeve/tube to add rigidity.

12. No work shall occur where hard bottom or any hard or coral including ESA-listed coral species are present within the footprint of the project.

13. No work shall occur that results in removal of mangroves (including prop roots), except:

a. as provided by Special Condition 6.a.; or,

b. for removal of mangroves growing at the foot or from an existing seawall whose removal needed to repair the seawall.

14. No work shall occur that results in impacts to seagrass except as provided by Special Condition 6.

15. (For *Docks, Piers, Associated Facilities, and Other Minor Piling-Supported Structures and Boat Ramps and Boat Launch Areas and Structures Associated with Such Ramps or Launch Areas.*)

a. Aids to Navigation and Private Aids to Navigation (e.g. attached to the structures authorized by the SPGP) must be approved by and installed in accordance with U.S. Coast Guard requirements.

b. Temporary structures associated with marine events will be removed and the site restored upon completion of the event.

c. (For multi-family residential docks (e.g., condos, trailer parks, apartment complexes) designated for fishing or vessel storage, for temporary marine event pile-supported structures involving high speed vessel traffic or fishing, and for commercial or public boat ramps.) Install educational signs as follows in a visible location to alert boaters of listed species in the area susceptible to vessel strikes or hook-and-line captures. NMFS website (http://sero.nmfs.noaa.gov/protected_resources/section_7/protected_species_educational_signs/index.html) provides sign installation guidance and most current version of the signs.

(1) All commercial and public boat ramps shall install the Save Sea Turtle, Sawfish, and Dolphin sign.

(2) If the Project occurs within the range of Gulf, Atlantic, or Shortnose sturgeon, the Permittee will install and maintain the *Report Sturgeon* sign.

(3) If the Project occurs within 14 miles of North Atlantic Right Whale critical habitat, the Permittee will install and maintain the *Help Protect North Atlantic Right Whales* sign.

d. Project construction will take place from uplands or from floating equipment (e.g., barge); prop or wheel-washing is prohibited.

16. (For *Transient activities*.)

a. Temporary structures shall not block access of species to an area such as preventing movement in or out of a river or channel.

b. (For *Scientific sampling, measurement, and monitoring devices*.) No later than 24 months from initial installation, or upon completion of data acquisition, whichever comes first, the measuring device and any other structure or fills associated with that device (e.g., anchors, buoys, lines) must be removed and the site must be restored to pre-construction elevations.

17. (For *Living Shorelines* of the *Shoreline Stabilization* category.)

a. Only native plant species will be planted.

b. Not more than 500 linear feet in length, not more than 35 ft waterward of the hightide line (note that FAC 62-330 limits to 10 feet of the mean high water line) or result in more than 0.5 ac area between the natural shoreline and the structure.

c. No discharge of earthen fill material, other than earthen material associated with vegetative planting, is not authorized.

d. Construction, maintenance and removal of approved permanent, shore-parallel wave attenuation structures are authorized. Approved permanent wave attenuation materials include oyster breakwaters (described below), clean limestone boulders, and prefabricated structures made of concrete and rebar that are designed in a manner that cannot trap sea turtles, Smalltooth sawfish, or sturgeon. Reef balls that are not open on the bottom, triangle structures with a top opening of at least 3 feet between structures, and reef discs stacked on a pile may be used.

e. (For oyster breakwaters).

(1) Reef materials shall be placed in a manner to ensure that materials (e.g., bagged oyster shell, oyster mats, loose cultch surrounded and contained by a stabilizing feature, reef balls, and reef cradles) will remain stable and prevent movement of materials to surrounding areas.

(2) Materials must be placed in designated locations (i.e., shall not be indiscriminately/randomly dumped) and shall not be placed outside of the total project limits.

18. (For *Subaqueous Utility Lines* of the *Transient Activities* category.)

a. A Frac-out Contingency Plan similar to the attached plan will be developed, submitted with the application and then followed.

b. All subaqueous transmission lines crossing over, under, or in flood control channels/canals in Federal projects (either federally or locally maintained) which are installed with horizontal direction drilling (HDD) shall comply with the following:

(1) The project shall ensure the top of the HDD boring is a minimum of 10 feet beneath the bottom of the channel including a minimum 25 feet outside the channel edges and the estimated total drilling fluid pressure is less than 10 psi.

(2) Construction of directional boring vaults, junction boxes, and/or pads are not allowed within 25 feet of the top of the bank of any federal project.

(3) Projects not in compliance with these criteria shall not be eligible for authorization under SPGP V.

(4) Any activity within a Federal right-of-way shall require the Permittee to enter into a consent-to-easement with the Real Estate Division, U.S. Army Corps of Engineers, Jacksonville or Mobile District, as appropriate, prior to the commencement of any construction activity.

(5) The Permittee shall, upon completion of work, provide an as-built survey showing the horizontal and vertical location (X-Y-Z coordinates in NAD 83 and NAVD 88) of the object below the channel as it enters and exits the design edges of the authorized width of the channel, plus a minimum of 25 feet outside the channel edges.

c. Where the proposed subaqueous utility or transmission line is to be installed in navigable waters of the United States, at least 2 weeks prior to the start of the authorized work, the permittee must notify the National Oceanic and Atmospheric Administration (NOAA) and the Corps in writing that the work is commencing; and, again, upon completion of the work. The permittee shall notify the District Engineer in writing at the letterhead address, attention Regulatory Division; and, the NOAA, either in mailed correspondence to Nautical Data Branch Office of Coast Survey N/CS26, 1315 East-West Highway, Silver Spring, MD 20910-3282 or by electronic mail correspondence, with scans of the requisite documents attached, through osc.ndb@noaa.gov and spgp@usace.army.mil. The postconstruction notification will include "as-built plans," signed and sealed by a registered surveyor/engineer licensed in the State of Florida, that certify the project is constructed as authorized; and must include an accurate depiction of the location and configuration of the completed activity in relation to the mean high water of the navigable water.

19. (For *Removal of Derelict Vessels* of the *Transient Activities* category.)

a. Removal of marine debris shall require visual confirmation (e.g., divers, swimmers, camera) that the item can be removed without causing further damage to aquatic resources.

- b. If an item cannot be removed without causing harm to surrounding coral, the item will be disassembled as much as practicable so that it no longer can accidentally harm or trap species.
- c. Monofilament debris will be carefully cut loose from coral so as not to cause further harm. Under no circumstance will line be pulled through coral since this could cause breakage of coral.
- d. Marine debris shall be lifted straight up and not be dragged through seagrass beds, coral, or hard bottom habitats. Debris shall be properly disposed of in appropriate facilities in accordance with applicable federal and state requirements.

20. For concrete piles installed by impact hammer:

- a. The piles will be less than or equal to than 24 inches in diameter; and
- b. Not more than 10 piles will be installed per day if in open water; or,
- c. Not more than 5 piles will be installed per day in a *confined space*. A *confined space* is defined as any area that has a solid object (e.g., shoreline, seawall, jetty) or structure within 150 feet of the pile installation site that would effectively serve as a barrier or otherwise prevent animals from moving past it to exit the area. This does not include objects such as docks or other pile-supported structures that would not stop animal movement or significantly reflect noise.

21. Metal piles will NOT be installed by impact hammer.

22. Projects within the boundary of the NOAA Florida Keys National Marine Sanctuary require prior approval from the Sanctuary.

23. The Permittee shall use only clean fill material. The fill material shall be upland sources and be free of items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

24. No blasting is authorized.

25. For Projects authorized under this SPGP V in navigable waters of the U.S., the Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

26. The SPGP V will be valid for five (5) years from the date of issuance unless suspended or revoked by issuance of a public notice by the District Engineer. The Corps, in conjunction with the Federal resource agencies, will conduct periodic reviews to ensure that continuation of the permit during the five-year authorization period is not contrary to the public interest. If

revocation occurs, all future applications for activities covered by the SPGP V will be evaluated by the Corps.

27. If the SPGP V expires or is revoked prior to completion of the authorized work, authorization of activities which have commenced or are under contract to commence in reliance upon the SPGP V will remain in effect provided the activity is completed within twelve (12) months of the date the SPGP V expired or was revoked.

28. The General Conditions attached hereto are made a part of this SPGP V and must be attached to all authorizations processed under this SPGP V.

Department of the Army Permit Transfer for SPGP V

PERMITEE: _____

PERMIT NUMBER: _____ DATE: _____

ADDRESS/LOCATION OF PROJECT:

(Subdivision)

(Lot)

(Block)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, FL 32232-0019.

(Transferee Signature)

(Date)

(Name Printed)

(Street address)

(Mailing address)

(City, State, Zip Code)

Applications of Green Technology for Intertidal Oyster Reef Restoration at Florida State University Coastal & Marine Laboratory

Project Location and Description

The Florida State University Coastal and Marine Laboratory (FSUCML) is located adjacent to Alligator Harbor Aquatic Preserve in Franklin County (Figure 1). The laboratory's primary mission is to conduct interdisciplinary research and educate the public on the coastal and marine ecosystems of the Gulf of Mexico.

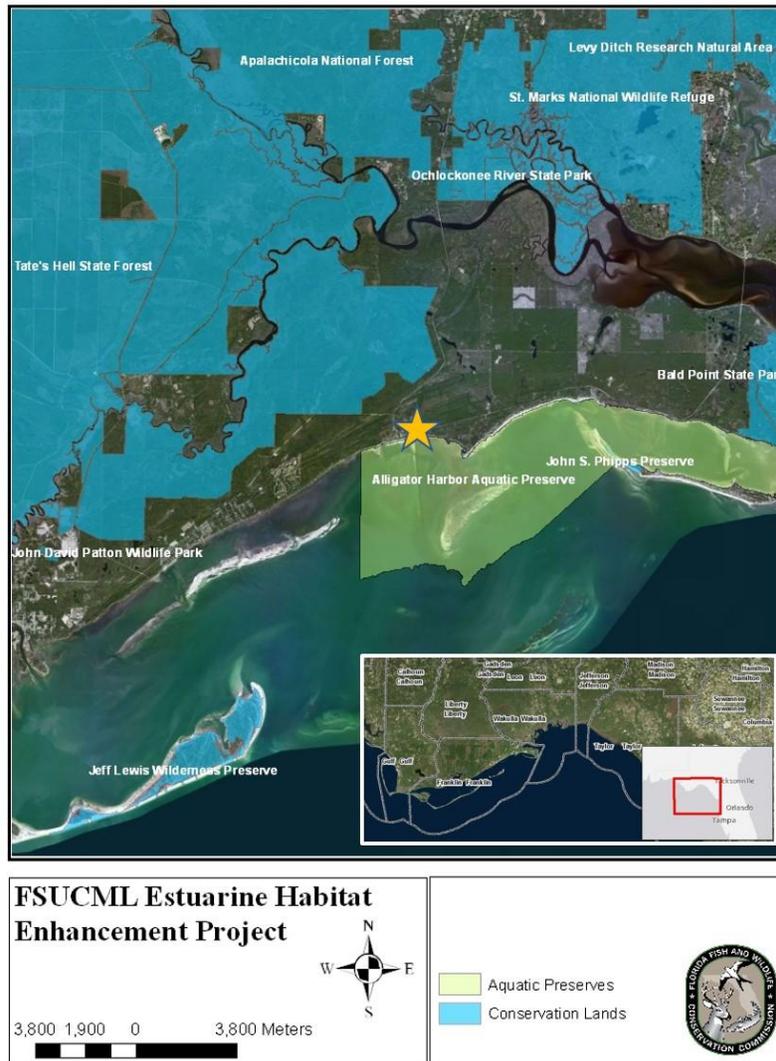


Figure 1. The Florida State University Coastal and Marine Laboratory (FSUCML) is in St. Teresa, Franklin County, Florida and within the Alligator Harbor Aquatic Preserve.

The FSUCML's strategic location is within proximity to a remarkably diverse array of habitats provides unique opportunities for innovative research and education. However, the shoreline and estuarine habitats directly adjacent to the FSUCML were highly impacted by dredging that occurred during the 1960s to create a boat basin, navigational channel and boat ramp critical to the research conducted at the lab (Figure 2). Over the course of the last 60 years, these alterations have exacerbated shoreline erosion and degraded estuarine habitats important to shoreline resiliency. In recent years, FSUCML administration developed and began implementing a long-term plan to renovate the facilities and adjacent estuarine habitats. The Florida Fish and Wildlife

Conservation Commission (FWC) has partnered with FSU to restore and enhance three integrated intertidal and coastal habitats adjacent to the laboratory and in turn, strengthen shoreline resiliency. The plan includes the restoration and enhancements of currently degraded and declining intertidal oyster reef habitat, pursuant to Florida Department of Environmental Protection (FDEP) environmental resources permit no. 0351156-002-EE/19 received August 22, 2017.

Site History



FIGURE 2 While the project area historically exhibited a typical delta pattern of sedimentation stemming from a tidally influenced creek (Left, 1953), a boat basin and navigational channel was dredged in the 1960s leaving behind loose debris and dredge cast materials detrimental to surrounding estuarine habitats (Right, 2006).

Applying Green Technology for Intertidal Oyster Reef Restoration

Due to the high energy forces of boat wakes from the FSUCML navigational channel, the existing intertidal oyster reefs at the FSUCML are largely degraded and declining (Figure 3). As boat wakes wash against the 0351156-004-EE/19 across the intertidal reefs, oysters become loosened from the underlying substrate and are washed to the westward side of the reef. In addition to causing oyster mortality, the loosening and subsequent translocation of oysters leaves behind exposed, dead oyster shell material susceptible to further erosion or burial by sediments. To restore such degraded reefs, any remaining hard substrate or dead oyster shell material must first be stabilized and secured. The materials used to stabilize and secure the substrate should also be suitable for oyster recruitment such that a fully secured and restored intertidal oyster reef area can establish and persist.



Figure 3: Due to the high energy forces of boat wakes from the FSUCML navigational channel (to the right and east of this photo view), the existing intertidal oyster reefs at the FSUCML are largely degraded and declining. Loose oyster shell cluster can be viewed as well as broken oyster shell hash mixed with eroding sediments.

Before the full scope of the aforementioned project (FDEP permit no. 0351156-002-EI/19) can be successfully implemented, low-profile, intertidal oyster reef materials must be selected to restore the currently degraded and declining intertidal oyster reef habitat at FSUCML. Most projects intended to restore low-profile, intertidal oyster reefs in Florida involve the use of non-biodegradable plastic materials known as “oyster mats” (e.g., restoreourshores.org) or plastic mesh oyster shell bags. In an effort to evaluate several “green technologies” using biodegradable material, for the restoration of FSUCML’s degraded intertidal oyster reef area, FWC and its partners, FSUCML and University of Florida, initiated a pilot study at the FSUCML project site in May 2017. This pilot study (authorized under FDEP letter of exemption no. 0351156-001-EE, received February 24, 2017) was designed to temporarily install and evaluate a variety of different biodegradable test materials on site. The material that provides the best reef stabilization and live oyster accretion during this study will be selected for restoration of FSUCML’s intertidal oyster reef habitat as described in FDEP ERP No. 0351156-002-EI/19.

3/9
0351156-004-EE/19

Pilot study monitoring has been completed monthly since the deployment of six initial test treatments in May 2017. Evaluations are focused on assessing the success of each materials’ ability to stabilize loose and broken oyster shell hash/substrate as well as each materials’ level of oyster recruitment and long-term oyster survival. To date, this study has been inconclusive and requires further monitoring to complete a full evaluation of all biodegradable treatments considered. Additionally, to expand potentially successful applications of green technology, FWC and its partners would like to test two additional treatment types during the 2018 oyster season. **In sum, this application request is for the continuation of the pilot study initiated in 2017 with the addition of two new treatments as described below for one additional year.**

Pilot Study Treatments

The project involves the construction of eight (8) study treatments, each composed of a different material (Table 1). Each treatment is small (typically 25 cm long x 25 cm wide x 5 – 25 cm high), so that they are easy to construct, transport, deploy, and remove at the end of the experiment. The intent is to identify the optimal treatment for the stabilization of currently loose oyster shell hash substrate and the encouragement of oyster recruitment.

Table 1: Eight study treatments consisting of differing suitable oyster recruitment materials will be deployed at the FSUCML study site to identify the optimal treatment for stabilizing currently loose oyster hash substrate and recruiting live oysters.

Treatment	Material Description	Deployment Date
1	LSS* base with no nutrient additives	May 2017
2	LSS* base with nutrient additives	May 2017
3	LSS* base with embedded oyster shell cultch	May 2017
4	LSS* base with nutrient additives and embedded oyster shell cultch	May 2017
5	Biodegradable EcoSystem Engineering Elements (potato starch matrix)	May 2017
6	Oyster mats (aquaculture grade plastic mesh with oyster cultch attached)	May 2017
7	Coir (coconut) fiber oyster shell bags	April 2018
8	Fossilized oyster shell/lime-stone aggregate	April 2018

*LSS = limestone and silicate base with stearic acid added as a binder to neutralize pH

Treatments 1 – 4: Structurally, the first four treatments use the same base material; a limestone and silicate base with stearic acid added as a binder to neutralize pH (hereinafter referred to as LSS Base). Two of these treatments have impregnated nutrient additives (e.g., sugars, amino acids, starch, vitamins), and two are structurally enhanced with oyster shells. The nutrients used in treatments 1 through 4 include saturated, long-chain fatty acids, such as stearic and palmitic acid as a mineral binder and a mineral coating. Extracted from plants and animals in bulk and with high melting points, these green tech materials show promise as an attractive colonization surface for oyster spat (Manning et. al., 2016, unpublished data) and will eventually biodegrade, leaving no trace of the original structure. Each test unit consisting of the materials described for treatments 1-4 was constructed as a 25 cm x 25 cm block, each approx. 5 cm in height. For those with oyster cultch embedded, the final height was approx. 10 cm. Each treatment block was secured to the substrate using an “L” shaped rebar stake at the time of deployment (May 2017; Figure 4).



Figure 4: Example treatments 1-4, all of which have a base of limestone/silicate with stearic acid added as binder. Treatments 1 & 2 did not have oyster cultch embedded (right), while treatments 3 & 4 did.

Treatment 5: Made from a derivative of potato starch, Biodegradable EcoSystem Engineering Elements or “BESE” have shown success in stabilizing sediments and recruiting mollusks in the Netherlands (bese-elements.com). They are currently being tested by FWC’s University of Florida partners (Dr. Christine Angelini) throughout the State of Florida and will eventually biodegrade, leaving no trace of the original

structure. Each BESE test unit was constructed as a 50 cm x 50 cm block approximately 25 cm high. Each BESE test unit was secured to the substrate using an “L” shaped rebar stake at the time of deployment (May 2017; Figure 5).



Figure 5: Example of Biodegradable EcoSystem Engineering Elements (BESE), treatment 5, consisting of a potato starch matrix.

Treatment 6: Many successful intertidal oyster reef restoration projects on Florida’s east coast (e.g. in the Indian River Lagoon) have used stiff panels of aquaculture grade plastic mesh material with oyster shell cultch attached. These structures, known as “oyster mats” (e.g., restoreourshores.org), stabilize degraded low-profile reefs subject to boat wake energies and promote the recruitment of live oysters. Although oyster mats are not biodegradable, they are being tested at the FSUCML due to their widespread success and as a comparison to intertidal oyster restoration projects on the east coast. Each oyster mat test unit was constructed as a 25 cm x 25 cm square approximately 5 cm in height. When deployed across a large reef area, individual units can be connected via sprinkler hose weights attached to each corner of the mat. In the case of this pilot study, only one mat was deployed and secured to the substrate using an “L” shaped rebar stake at the time of deployment (May 2017; Figure 6).



Figure 6: Example of treatment 6, oyster mats, made of stiff, aquaculture grade plastic mesh with oyster cultch attached.

Treatment 7 (new in 2018): Many successful intertidal oyster reef restoration and living shoreline creation projects throughout the State of Florida use plastic mesh oyster shell bags. These bags consist of pliable aquaculture grade plastic mesh filled with oyster shell cultch and are typically used to construct living shoreline breakwater structures. In an effort to reduce the amount of plastic in the marine environment, FWC has



successfully used biodegradable coir (coconut) fiber mesh oyster shell bags for subtidal oyster reef restoration projects such as the large scale “Oyster Reef Restoration in St. Andrew Bay, FL” project. Coir fiber oyster shell bags will be tested at the FSUCML to evaluate their durability and oyster recruitment potential in intertidal conditions. These biodegradable bags (approx. 50 cm long x 25 cm wide x 25 cm high) are filled with oyster cultch and are easily deployable, weighing approx. 20 pounds each. Each bag will be secured to the substrate using a rebar stake in April 2018 (Figure 7).



Figure 7: Example of treatment 7, biodegradable coir (coconut) fiber oyster shell bag, approx. 25 cm x 50 cm.

Treatment 8 (new in 2018): Fossilized oyster shell/lime-stone aggregate is yet another natural material typically used for oyster reef restoration throughout the State of Florida. For example, Choctawhatchee Basin Alliance has replaced plastic mesh oyster shell bags with fossilized shell aggregate material to construct living shoreline breakwater habitat along Choctawhatchee Bay without the input of plastic into the marine environment.

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These aggregate stone pieces are typically the size of half an oyster shell bag (approx. 30 cm in diameter) and, like recycled oyster cultch, have a suitable pH for the successful settlement of oyster larvae. Fossilized oyster shell/lime-stone aggregate will be tested at the FSUCML to evaluate its oyster recruitment potential and provision of oyster habitat safe from predators. The natural weight of the aggregate material is expected to hold the test treatments in place when deployed in April 2018 (Figure 8).



Figure 8: Example of treatment 8, fossilized oyster shell/lime-stone aggregate. Material deployed as a part of this pilot study will average approx. 30 cm in diameter.

Pilot Study Design

All test treatments were or will be deployed along existing intertidal oyster reefs at the FSUCML just prior to the spring peak in oyster larvae (April-May). Treatments will not be placed on top of any living oysters or seagrasses.

The experimental design consists of: Phase 1) twelve replicate arrays of the first six treatment types (treatments 1-6) arranged randomly within each array and Phase 2) two replicate arrays of treatments 7 and 8 arranged along the existing but degraded intertidal reef elevation gradient.

Phase 1: Twelve replicate arrays of treatments 1-6 were deployed in May 2017 after receiving FDEP letter of exemption no. 0351156-001-EE on February 24, 2017. In total, 72 approx. 25 cm square test treatment units (6 treatments each at 12 replicate arrays) were deployed, with a total footprint of 18 square meters (Figure 9 & 10).

FWC herby requests that these treatments remain in place for further study until May 2019, at which time they will be removed.



Figure 9: Example of one of twelve replicate arrays within which one unit each of treatments 1-6 were deployed in random order as part of Phase 1 in May 2017.

Phase 2: Two replicate arrays of Treatments 7 & 8 are planned for deployment in April 2017 and will remain in place until May 2019, at which time they will also be removed. Six (6) approx. 50 cm x 25 cm coir fiber oyster shell bags (treatment 7) will be deployed along two replicate arrays as depicted in Figure 10 with a total footprint of 3 square meters. Approximately 80 fossilized oyster shell/lime-stone aggregate pieces (treatment 8) each ~30 cm in diameter will be deployed along two different replicate arrays as depicted in Figure 10. This equates to a total anticipated fossilized oyster shell/lime-stone aggregate footprint of approx. 25 square meters. **FWC hereby requests confirmation that deployment of these two new test/sample treatments qualify for an FDEP letter of exemption.**

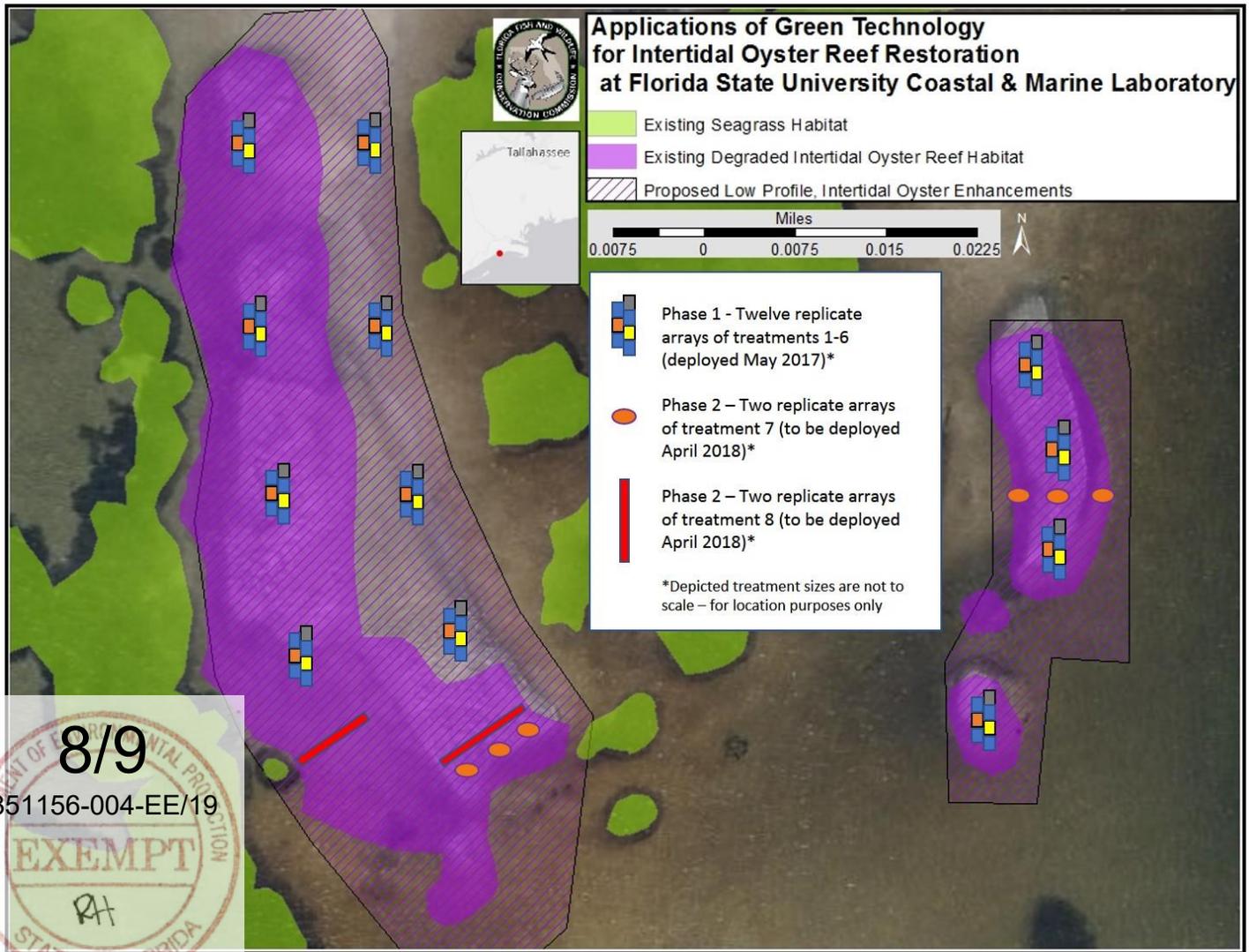


Figure 10: Design and layout of the Applications for Green Technology pilot study at FSUCML.

In grand total, all pilot study treatments deployed will have a footprint of 46 square meters spread over 2,950 square meters of degraded, intertidal oyster reef. This equates to 1.6% of the area slated for estuarine habitat restoration (0351156-002-EI/19).

Study Monitoring

All treatment units will be monitored monthly for the duration of the experiment to assess recruitment rates (standardized to unit surface area), survival and growth rates for each treatment unit according to methods outlined in the Oyster Habitat Restoration Monitoring and Assessment Handbook (Baggett et al 2014). Recruitment success is defined as a combination of recruitment rates, survival and growth for each treatment.

Treatments will be compared for each metric using analysis of variance with base type and structure as factors. In addition to the oyster metrics, densities of dominant associated megafauna, particularly oyster predators will be documented and compared among treatments using non-parametric statistics (Primer-E). Temperature-salinity data will be downloaded monthly from deployed data loggers, and meteorological conditions (air temperature, wind speed/direction, rainfall, and cloud cover) will be recorded daily from the FSUCML weather station to determine how local weather conditions influence the oyster reef environment.



FRANKLIN COUNTY PROCLAMATION

FRANKLIN COUNTY BOARD OF COUNTY COMMISSIONERS

WHEREAS, children are our most precious resource and our promise for a bright future; and

WHEREAS, “Child Welfare Professionals Recognition Day” was originally approved and signed into law by Governor Charlie Crist in 2008; and

WHEREAS, the Bill, Senate Bill 78, was sponsored by Congresswoman Frederica S. Wilson to ensure the professionals who are entrusted with the well-being of our children get the appreciation and positive recognition they rightfully deserve; and

WHEREAS, the vast majority of child welfare professionals are hardworking, conscientious, and compassionate when it comes to the safety of children and take their responsibilities toward ensuring our children are safe and well taken care of very seriously; and

WHEREAS, child welfare professionals are responsible for ensuring our children live free from maltreatment; enjoy long-term, secure relationships within strong families and communities; are physically and emotionally healthy and socially competent, and that families nurture, protect, and meet the needs of their children; and

WHEREAS, they form supportive partnerships with family members, relative caregivers, and foster and adoptive parents to achieve optimum communication, clear roles and responsibilities, and mutual accountability; and

WHEREAS, these professionals build rapport and trust with families and those who know and support them, and empower family members by identifying their strengths and making them aware of the resources that are available to assist them.

NOW, THEREFORE, the Board of County Commissioners of Franklin County, Florida, hereby proclaims May 14, 2018, to be “Child Welfare Professionals Recognition Day,” and offers its gratitude to all who invest their lives into ensuring the lives of our children are safe and happy.

This **PROCLAMATION** adopted this 20th day of March 2018.

BY: _____

Joseph A. Parrish, Chairman

ATTEST:

Marcia M. Johnson, Clerk of Court

UH-1 "HUEY"

AT-11

ENTER TO WIN A RIDE IN A P51!

AIRPLANE RIDES

HELICOPTER RIDES

APALACHICOLA WINGS AND WHEELS AVIATION DAY

BROUGHT TO YOU BY THE FRANKLIN COUNTY TOURIST DEVELOPMENT COUNCIL

MARCH 24TH 11:00AM - 3:00PM

FREE AIRPLANE RIDES FOR AGES 8-17
BOUNCE HOUSES | PAPER AIRPLANE CONTEST
FOOD | LIVE MUSIC | HELICOPTER RIDES | CAR SHOW

P51-D | AT-11 | UH-1 "HUEY" | YAK 52 | MILITARY AIRCRAFT | COAST GUARD HELICOPTER



Jason Puckett, Airport Manager
 ✉ puckpilot6@aol.com
 📍 8 Airport Rd, Apalachicola FL 32320
 ☎ 850-290-8282 🌐 CentricAviation.com





Florida Department of Environmental Protection

Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

March 14, 2018

Florida State University Coastal and Marine Laboratory
c/o Felicia Coleman
3618 Highway 98
Sopchoppy, Florida 32358
Fcoleman@fsu.edu

File No.: 0351156-004-EE/19, Franklin County

Dear Ms. Coleman:

On March 01, 2018, we received your request for verification of exemption to perform the following activities:

To install oyster recruitment structures on the surface of existing degrading oyster reef habitat. Eight (8) different study treatments will be utilized (see attached project description). The proposed activities will take place within Alligator Harbor, Class II Waters of the State, Outstanding Florida Waters, Alligator Harbor Aquatic Preserve, Unclassified for Shellfish Harvesting, waterward of 3618 US Highway 98, St. Teresa, Florida 32358, Section 35, Township 06 South, Range 03 West, Franklin County, at Latitude 29°54'55.19" North / Longitude 84°30'40.28" West.

Your request has been reviewed to determine whether it qualifies for (1) regulatory exemption, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal approval that may be necessary for work in wetlands or waters of the United States.

Your project qualifies for all three. However, this letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity.

If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

If you have any questions regarding this matter, please contact Ryan Heffernan at the letterhead address, at (850)595-0568, or at Ryan.Heffernan@dep.state.fl.us.

1. Regulatory Review – Verified

Based on the information submitted, the Department has verified that the activity as proposed is exempt, under Rule 62-330.051(11)(b), Florida Administrative Code (F.A.C.) from the need to obtain a regulatory permit under Part IV of Chapter 373 of the Florida Statutes.

This exemption verification is based on the information you provided the Department and the statutes and rules in effect when the information was submitted. This verification may not be valid if site conditions materially change, the project design is modified, or the statutes or rules governing the exempt activity are amended. In the event you need to re-verify the exempt status for the activity, a new request and verification fee will be required. Any substantial modifications to the project design should be submitted to the Department for review, as changes may result in a permit being required.

General Conditions for Exemptions

The following apply when specified in an exemption in Rule 62-330.051, F.A.C.:

1. Activities shall not exceed a permitting threshold in section 1.2 of the applicable Volume II;
2. Construction, alteration, and operation shall not:
 - a. Adversely impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands;
 - b. Cause an adverse impact to the minimum flows and levels established pursuant to Section 373.042, F.S.
 - c. Cause adverse impacts to a Work of the District established pursuant to Section 373.086, F.S.;
 - d. Adversely impede navigation or create a navigational hazard;
 - e. Cause or contribute to a violation of state water quality standards. Turbidity, sedimentation, and erosion shall be controlled during and after construction to prevent violations of state water quality standards, including any antidegradation provisions of paragraphs 62-4.242(1)(a) and (b), subsections 62-4.242(2) and (3), and Rule 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters due to construction-related activities. Erosion and sediment control best management practices shall be installed and maintained in accordance with the guidelines and specifications described in the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual* (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-02530>), and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual* (Florida Department of Environmental Protection, Nonpoint Source Management Section,

Tallahassee, Florida, July 2008), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-02531>).

3. When performed in waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon, all in-water work shall comply with the following.
 - a. All vessels associated with the project shall operate at “Idle Speed/No Wake” at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
 - b. All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.
 - c. All in-water activities, including vessel operation, must be shut down if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All on-site project personnel are responsible for observing water-related activities for the presence of listed species.
 - d. Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1 (888)404-3922 and ImperiledSpecies@myFWC.com. Copies of incorporated materials identified above may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C.

2. Proprietary Review – Granted

The Department acts as staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees) and issues certain authorizations for the use of sovereign submerged lands. The Department has the authority to review activities on sovereign submerged lands under Chapters 253 and 258, F.S. and Chapters 18-20 and 18-21, F.A.C.

The activity appears to be located on sovereign submerged lands owned by the Board of Trustees. The activity is not exempt from the need to obtain the applicable proprietary authorization. As staff to the Board of Trustees, the Department has reviewed the activity described above, and has determined that the activity qualifies for a Letter of Consent under Section 253.77, F.S. to construct and use the activity on the specified sovereign submerged lands, as long as the work performed is located within the boundaries as described herein and is consistent with the terms and conditions herein.

During the term of this Letter of Consent you shall maintain satisfactory evidence of sufficient upland interest as required by paragraph 18-21.004(3)(b), F.A.C. If such interest is terminated or

the Board of Trustees determines that such interest did not exist on the date of issuance of this Letter of Consent, this Letter of Consent may be terminated by the Board of Trustees at its sole option. If the Board of Trustees terminates this Letter of Consent, you agree not to assert a claim or defense against the Board of Trustees arising out of this Letter of Consent.

Special Consent Conditions for Sovereign Submerged Lands Authorization

1. The applicant agrees to indemnify, defend and hold harmless the Board of Trustees and the State of Florida from all claims, actions, lawsuits and demands in any form arising out of the authorization to use sovereignty submerged lands or the applicant's use and construction of structures on sovereignty submerged lands. This duty to indemnify and hold harmless will include any and all liabilities that are associated with the structure or activity including special assessments or taxes that are now or in the future assessed against the structure or activity during the period of the authorization.
2. Failure by the Board of Trustees to enforce any violation of a provision of the authorization or waiver by the Board of Trustees of any provision of the authorization will not invalidate the provision not enforced or waived, nor will the failure to enforce or a waiver prevent the Board of Trustees from enforcing the unenforced or waived provision in the event of a violation of that provision.
3. Applicant binds itself and its successors and assigns to abide by the provisions and conditions set forth in the authorization. If the applicant or its successors or assigns fails or refuses to comply with the provisions and conditions of the authorization, the authorization may be terminated by the Board of Trustees after written notice to the applicant or its successors or assigns. Upon receipt of such notice, the applicant or its successors or assigns will have thirty (30) days in which to correct the violations. Failure to correct the violations within this period will result in the automatic revocation of this authorization.
4. All costs incurred by the Board of Trustees in enforcing the terms and conditions of the authorization will be paid by the applicant. Any notice required by law will be made by certified mail at the address shown on page one of the authorization. The applicant will notify the Board of Trustees in writing of any change of address at least ten days before the change becomes effective.
5. This authorization does not allow any activity prohibited in a conservation easement or restrictive covenant that prohibits the activity.

General Conditions for Authorizations for Activities on State-Owned Submerged Land

All authorizations granted by rule or in writing under Rule 18-21.005, F.A.C., except those for geophysical testing, shall be subject to the general conditions as set forth in paragraphs (a) through (i) below. The general conditions shall be part of all authorizations under this chapter, shall be binding upon the grantee, and shall be enforceable under Chapter 253 or 258, Part II, F.S.

- (a) Authorizations are valid only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use shall constitute a violation. Violation of the authorization shall result in suspension or revocation of the grantee's use of the sovereignty submerged land unless cured to the satisfaction of the Board.
- (b) Authorizations convey no title to sovereignty submerged land or water column, nor do they constitute recognition or acknowledgment of any other person's title to such land or water.
- (c) Authorizations may be modified, suspended, or revoked in accordance with their terms or the remedies provided in Sections 253.04 and 258.46, F.S., or Chapter 18-14, F.A.C.
- (d) Structures or activities shall be constructed and used to avoid or minimize adverse impacts to sovereignty submerged lands and resources.
- (e) Construction, use, or operation of the structure or activity shall not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.
- (f) Structures or activities shall not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity shall be modified in accordance with the court's decision.
- (g) Structures or activities shall not create a navigational hazard.
- (h) Structures shall be maintained in a functional condition and shall be repaired or removed if they become dilapidated to such an extent that they are no longer functional. This shall not be construed to prohibit the repair or replacement subject to the provisions of Rule 18-21.005, F.A.C., within one year, of a structure damaged in a discrete event such as a storm, flood, accident, or fire.
- (i) Structures or activities shall be constructed, operated, and maintained solely for water dependent purposes, or for non-water dependent activities authorized under paragraph 18-21.004(1)(f), F.A.C., or any other applicable law.

3. Federal Review – SPGP Approved

Your proposed activity as outlined in your application and attached drawings qualifies for federal authorization pursuant to the State Programmatic General Permit (SPGP) V, and a **SEPARATE permit** or authorization **will not be required** from the U.S. Army Corps of Engineers (Corps). Please note that the federal authorization expires on July 26, 2021. However, your authorization may remain in effect for up to one (1) additional year if provisions of Special Condition B.27 of the SPGP V permit instrument are met. You, as permittee, are required to adhere to all General Conditions and Special Conditions that may apply to your project. Special conditions required for your project are attached. A copy of the SPGP V with all terms and conditions and the General Conditions may be found online in the Jacksonville District Regulatory Division Sourcebook.

Authority for review – an agreement with the Corps entitled “Coordination Agreement Between the U.S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection, or Duly Authorized Designee, State Programmatic General Permit,” Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Additional Information

Please retain this letter. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S. and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department’s action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency’s file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner’s representative, if any, which shall be the address for

- service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
 - (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
 - (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
 - (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
 - (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S. or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

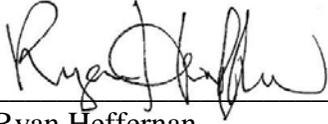
Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S. by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Ryan Heffernan
Environmental Specialist
Submerged Lands and Environmental Resources Program

Attachment(s):

1. Rule 62-330.051(11)(b), F.A.C.; 1 page
2. General Conditions for Federal Authorization for SPGP V, 2 pages
3. SPGP V: Special Conditions Related to All Review and Authorizations, 7 pages
4. Department of the Army Permit Transfer for SPGP V, 1 page
5. Project Drawings, 9 pages

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Mia Zarbo, U.S. Army Corps of Engineers, Maria.D.Zarbo@usace.army.mil
Franklin County, bettywebb@cityofapalachicola.com; citycbel@gtcom.net;
amyh@fairpoint.net; michael@franklincountyflorida.com
Aquatic Preserve, Jennifer.harper@dep.state.fl.us; Jonathan.Brucker@dep.state.fl.us
Katie Konchar, Katie.Konchar@myfwc.com
Sandra Brooke, sbrooke@fsu.edu

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

March 14, 2018
Date

62-330.051 Exempt Activities.

The activities meeting the limitations and restrictions below are exempt from permitting. However, if located in, on, or over state-owned submerged lands, they are subject to a separate authorization under Chapters 253 and 258, F.S., and Chapters 18-18, 18-20, and 18-21, F.A.C., as applicable.

(11) Sampling and Testing –

(b) Construction, operation, maintenance, and removal of scientific sampling, measurement, and monitoring devices, provided:

1. The device's purpose is to measure and record scientific data, such as staff gages, tide and current gages, meteorological stations, water recording, biological observation and sampling, and water quality testing and improvement. Parshall flumes and other small weirs installed primarily to record water quantity and velocity are authorized, provided the amount of fill is limited to 25 cubic yards,

2. The device and any associated structures or fill, such as foundations, anchors, buoys, and lines, is removed to the maximum extent practicable at the end of sampling,

3. The site is restored to pre-construction conditions within 48 hours of complete use of the device,

4. All work is conducted in compliance with subsection 62-330.050(9), F.A.C.

Rulemaking Authority 373.026(7), 373.043, 373.4131, 373.4145, 403.805(1) FS. Law Implemented 373.406, 373.4131, 373.4145, 373.415, 403.813(1) FS. History—New 10-1-13.

General Conditions for Federal Authorization for SPGP V

1. The time limit for completing the work authorized ends on July 26, 2021.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner on the enclosed form and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Further Information:

1. Limits of this authorization.
 - a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
 - b. This permit does not grant any property rights or exclusive privileges.
 - c. This permit does not authorize any injury to the property or rights of others.
 - d. This permit does not authorize interference with any existing or proposed Federal projects.
2. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
 - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
 - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
 - c. Damages to persons, property, or to other permitted or unpermitted activities or structures

caused by the activity authorized by this permit.

- d. Design or Construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

3. **Reliance on Applicant's Data:** The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

4. **Reevaluation of Permit Decision:** This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 3 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

5. Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CER 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date the enclosed form.

7. The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal, relocation or alteration.

Special Conditions Related to All Review and Authorizations

In addition to the conditions specified above, the following Special Conditions apply to all projects reviewed and/or authorized under the SPGP V.

1. The District Engineer reserves the right to require that any request for authorization under this SPGP V be evaluated as an Individual Permit. Conformance with the terms and conditions of the SPGP V does not automatically guarantee Federal authorization.
2. On a case-by-case basis the Corps may impose additional Special Conditions which are deemed necessary to minimize adverse environmental impacts.
3. Failure to comply with all conditions of the Federal authorizations under the SPGP V would constitute a violation of the Federal authorization.
4. No structure or work shall adversely affect or disturb properties listed in the National Register of Historic Places or those eligible for inclusion in the National Register. Prior to the start of work, the Applicant/Permittee or other party on the Applicant's/Permittee's behalf, shall conduct a search of known historical properties by contracting a professional archaeologist, and contacting the Florida Master Site File at 850-245-6440 or SiteFile@dos.state.fl.us. The Applicant/Permittee can also research sites in the National Register Information System (NRIS). Information can be found at <http://www.cr.nps.gov/nr/research>.
 - a. If, during the initial ground disturbing activities and construction work, there are archaeological/cultural materials unearthed (which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work in the vicinity and notify the Compliance and Review staff of the State Historic Preservation Office at 850-245-6333 and the Corps Regulatory Project Manager to assess the significance of the discovery and devise appropriate actions, including salvage operations. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7.
 - b. In the unlikely event that human remains are identified, they will be treated in accordance with Section 872.05, Florida Statutes; all work in the vicinity shall immediately cease and the local law authority, the State Archaeologist (850-245-6444), and the Corps Regulatory Project Manager shall immediately be notified. Such activity shall not resume unless specifically authorized by the State Archaeologist and the Corps.
5. No work shall be authorized under the SPGP V which proposes the use of prefabricated modules for habitat creation, restoration, or enhancement except as allowed in Special Condition 17 for *Living Shorelines* of the *Shoreline Stabilization* category.
6. The Design and construction of a Project must comply with the following.

a. Where aquatic vegetation is present, adverse impacts to aquatic vegetation from construction of piling-supported structures may be avoided/minimized by adherence to, or employing alternative construction techniques that provide a higher level of protection than, the protective criteria in the joint U.S. Army Corps of Engineers'/National Marine Fisheries Service's "*Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat,*" U.S. Army Corps of Engineers/National Marine Fisheries Service August 2001 (updated June 2008). Unless otherwise specifically approved by the National Marine Fisheries Service, where aquatic vegetation is present, piling-supported structures authorized under the SPGP V must comply with, or provide a higher level of protection than, the criteria contained in the referenced construction guidelines. Mangrove impacts are limited to the removal of mangroves along 4 linear feet of shoreline to accommodate a 4-ft wide access walkway associated with a dock that meets the above guidelines.

b. Additionally, because of concerns about adverse impacts to the endangered Johnson's seagrass (*Halophila johnsonii*) in the lagoon and canal systems on Florida's east coast from Sebastian Inlet (Brevard County) south to and including central Biscayne Bay (Miami-Dade County), the following requirements must be met:

(1) Piling-supported structures must comply with, or provide a higher level of protection than, the criteria contained in the construction guidelines titled "*Key for Construction Conditions for Docks or Other Minor Structures Constructed in or Over Johnson's seagrass (Halophila johnsonii),*" National Marine Fisheries Service/U.S. Army Corps of Engineers – February 2002 (updated October 2002).

(2) Removal of derelict vessels must comply with the practices of Special Condition 19.

(3) All other activities will have no effect on Johnson's seagrass, i.e., no seagrass is present.

c. The presence of seagrass will be determined utilizing the attached "*Submerged Aquatic Vegetation Survey Guidelines.*"

7. For projects in waters accessible to sea turtles, Smalltooth sawfish, Gulf sturgeon, or Shortnose sturgeon, the Permittee will utilize the "*Sea Turtle and Smalltooth Sawfish Construction Conditions*" and the following additions:

a. Any collision(s) with and/or injuries to any whale, or sturgeon occurring during the construction of a project, shall be reported immediately to NMFS's Protected Resources Division (PRD) at (727-824-5312).

b. Reports to NMFS's Protected Resources Division (PRD) may be made by email to takereport.nmfsser@noaa.gov.

c. Sea turtle and marine mammal stranding/rescue organizations' contact information is available by region at <http://www.nmfs.noaa.gov/pr/health/networks.htm>.

d. Smalltooth sawfish encounters shall be reported to <http://www.flmnh.ufl.edu/fish/sharks/sawfish/sawfishencounters.html>.

e. All work must occur during daylight hours.

8. The Permittee is responsible for obtaining any “take” permits required under the U.S. Fish and Wildlife Service’s regulations governing compliance with the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. The Permittee should contact the appropriate local office of the U.S. Fish and Wildlife Service to determine if such “take” permits are required for a particular activity.

9. The Permittee is responsible for compliance with 50 CFR 224.103(c) prohibiting approach within 500 yards of a right whale, with limited exceptions.

10. Turbidity control measures shall be used throughout construction to control erosion and siltation to ensure there are no violations of state or federal water quality standards. Turbidity control measures shall be: (1) for the smallest practicable area; (2) monitored daily to ensure listed species are not entangled or trapped in the project area; (3) shall be removed promptly upon project completion and the return of water quality conditions; (4) and shall not block entry to or exit from designated critical habitat. Siltation barriers shall be made of material in which listed species cannot become entangled (i.e., reinforced impermeable polycarbonate vinyl fabric [PVC]).

a. Turbidity curtains are not required where not practical in dynamic systems such as surf zones and could actually do more harm than good if the curtains become detached (e.g., they could entrap pelagic organisms and become entangled around benthic organisms, such as coral).

b. Turbidity barriers are not required if installation of single piling in deep water since is unlikely to adversely affect water quality.

11. In-water rope or chain must meet the following requirements: Industrial grade metal chains or heavy cables that do not readily loop and tangle; All in-water lines (rope and cable) must be thick and taut and cannot have excess line in the water; Lines can be enclosed in a plastic or rubber sleeve/tube to add rigidity.

12. No work shall occur where hard bottom or any hard or coral including ESA-listed coral species are present within the footprint of the project.

13. No work shall occur that results in removal of mangroves (including prop roots), except:

a. as provided by Special Condition 6.a.; or,

b. for removal of mangroves growing at the foot or from an existing seawall whose removal needed to repair the seawall.

14. No work shall occur that results in impacts to seagrass except as provided by Special Condition 6.

15. (For *Docks, Piers, Associated Facilities, and Other Minor Piling-Supported Structures and Boat Ramps and Boat Launch Areas and Structures Associated with Such Ramps or Launch Areas.*)

a. Aids to Navigation and Private Aids to Navigation (e.g. attached to the structures authorized by the SPGP) must be approved by and installed in accordance with U.S. Coast Guard requirements.

b. Temporary structures associated with marine events will be removed and the site restored upon completion of the event.

c. (For multi-family residential docks (e.g., condos, trailer parks, apartment complexes) designated for fishing or vessel storage, for temporary marine event pile-supported structures involving high speed vessel traffic or fishing, and for commercial or public boat ramps.) Install educational signs as follows in a visible location to alert boaters of listed species in the area susceptible to vessel strikes or hook-and-line captures. NMFS website (http://sero.nmfs.noaa.gov/protected_resources/section_7/protected_species_educational_signs/index.html) provides sign installation guidance and most current version of the signs.

(1) All commercial and public boat ramps shall install the Save Sea Turtle, Sawfish, and Dolphin sign.

(2) If the Project occurs within the range of Gulf, Atlantic, or Shortnose sturgeon, the Permittee will install and maintain the *Report Sturgeon* sign.

(3) If the Project occurs within 14 miles of North Atlantic Right Whale critical habitat, the Permittee will install and maintain the *Help Protect North Atlantic Right Whales* sign.

d. Project construction will take place from uplands or from floating equipment (e.g., barge); prop or wheel-washing is prohibited.

16. (For *Transient activities*.)

a. Temporary structures shall not block access of species to an area such as preventing movement in or out of a river or channel.

b. (For *Scientific sampling, measurement, and monitoring devices*.) No later than 24 months from initial installation, or upon completion of data acquisition, whichever comes first, the measuring device and any other structure or fills associated with that device (e.g., anchors, buoys, lines) must be removed and the site must be restored to pre-construction elevations.

17. (For *Living Shorelines* of the *Shoreline Stabilization* category.)

a. Only native plant species will be planted.

b. Not more than 500 linear feet in length, not more than 35 ft waterward of the hightide line (note that FAC 62-330 limits to 10 feet of the mean high water line) or result in more than 0.5 ac area between the natural shoreline and the structure.

c. No discharge of earthen fill material, other than earthen material associated with vegetative planting, is not authorized.

d. Construction, maintenance and removal of approved permanent, shore-parallel wave attenuation structures are authorized. Approved permanent wave attenuation materials include oyster breakwaters (described below), clean limestone boulders, and prefabricated structures made of concrete and rebar that are designed in a manner that cannot trap sea turtles, Smalltooth sawfish, or sturgeon. Reef balls that are not open on the bottom, triangle structures with a top opening of at least 3 feet between structures, and reef discs stacked on a pile may be used.

e. (For oyster breakwaters).

(1) Reef materials shall be placed in a manner to ensure that materials (e.g., bagged oyster shell, oyster mats, loose cultch surrounded and contained by a stabilizing feature, reef balls, and reef cradles) will remain stable and prevent movement of materials to surrounding areas.

(2) Materials must be placed in designated locations (i.e., shall not be indiscriminately/randomly dumped) and shall not be placed outside of the total project limits.

18. (For *Subaqueous Utility Lines* of the *Transient Activities* category.)

a. A Frac-out Contingency Plan similar to the attached plan will be developed, submitted with the application and then followed.

b. All subaqueous transmission lines crossing over, under, or in flood control channels/canals in Federal projects (either federally or locally maintained) which are installed with horizontal direction drilling (HDD) shall comply with the following:

(1) The project shall ensure the top of the HDD boring is a minimum of 10 feet beneath the bottom of the channel including a minimum 25 feet outside the channel edges and the estimated total drilling fluid pressure is less than 10 psi.

(2) Construction of directional boring vaults, junction boxes, and/or pads are not allowed within 25 feet of the top of the bank of any federal project.

(3) Projects not in compliance with these criteria shall not be eligible for authorization under SPGP V.

(4) Any activity within a Federal right-of-way shall require the Permittee to enter into a consent-to-easement with the Real Estate Division, U.S. Army Corps of Engineers, Jacksonville or Mobile District, as appropriate, prior to the commencement of any construction activity.

(5) The Permittee shall, upon completion of work, provide an as-built survey showing the horizontal and vertical location (X-Y-Z coordinates in NAD 83 and NAVD 88) of the object below the channel as it enters and exits the design edges of the authorized width of the channel, plus a minimum of 25 feet outside the channel edges.

c. Where the proposed subaqueous utility or transmission line is to be installed in navigable waters of the United States, at least 2 weeks prior to the start of the authorized work, the permittee must notify the National Oceanic and Atmospheric Administration (NOAA) and the Corps in writing that the work is commencing; and, again, upon completion of the work. The permittee shall notify the District Engineer in writing at the letterhead address, attention Regulatory Division; and, the NOAA, either in mailed correspondence to Nautical Data Branch Office of Coast Survey N/CS26, 1315 East-West Highway, Silver Spring, MD 20910-3282 or by electronic mail correspondence, with scans of the requisite documents attached, through osc.ndb@noaa.gov and spgp@usace.army.mil. The postconstruction notification will include "as-built plans," signed and sealed by a registered surveyor/engineer licensed in the State of Florida, that certify the project is constructed as authorized; and must include an accurate depiction of the location and configuration of the completed activity in relation to the mean high water of the navigable water.

19. (For *Removal of Derelict Vessels* of the *Transient Activities* category.)

a. Removal of marine debris shall require visual confirmation (e.g., divers, swimmers, camera) that the item can be removed without causing further damage to aquatic resources.

- b. If an item cannot be removed without causing harm to surrounding coral, the item will be disassembled as much as practicable so that it no longer can accidentally harm or trap species.
- c. Monofilament debris will be carefully cut loose from coral so as not to cause further harm. Under no circumstance will line be pulled through coral since this could cause breakage of coral.
- d. Marine debris shall be lifted straight up and not be dragged through seagrass beds, coral, or hard bottom habitats. Debris shall be properly disposed of in appropriate facilities in accordance with applicable federal and state requirements.

20. For concrete piles installed by impact hammer:

- a. The piles will be less than or equal to than 24 inches in diameter; and
- b. Not more than 10 piles will be installed per day if in open water; or,
- c. Not more than 5 piles will be installed per day in a *confined space*. A *confined space* is defined as any area that has a solid object (e.g., shoreline, seawall, jetty) or structure within 150 feet of the pile installation site that would effectively serve as a barrier or otherwise prevent animals from moving past it to exit the area. This does not include objects such as docks or other pile-supported structures that would not stop animal movement or significantly reflect noise.

21. Metal piles will NOT be installed by impact hammer.

22. Projects within the boundary of the NOAA Florida Keys National Marine Sanctuary require prior approval from the Sanctuary.

23. The Permittee shall use only clean fill material. The fill material shall be upland sources and be free of items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

24. No blasting is authorized.

25. For Projects authorized under this SPGP V in navigable waters of the U.S., the Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

26. The SPGP V will be valid for five (5) years from the date of issuance unless suspended or revoked by issuance of a public notice by the District Engineer. The Corps, in conjunction with the Federal resource agencies, will conduct periodic reviews to ensure that continuation of the permit during the five-year authorization period is not contrary to the public interest. If

revocation occurs, all future applications for activities covered by the SPGP V will be evaluated by the Corps.

27. If the SPGP V expires or is revoked prior to completion of the authorized work, authorization of activities which have commenced or are under contract to commence in reliance upon the SPGP V will remain in effect provided the activity is completed within twelve (12) months of the date the SPGP V expired or was revoked.

28. The General Conditions attached hereto are made a part of this SPGP V and must be attached to all authorizations processed under this SPGP V.

Department of the Army Permit Transfer for SPGP V

PERMITEE: _____

PERMIT NUMBER: _____ DATE: _____

ADDRESS/LOCATION OF PROJECT:

(Subdivision)

(Lot)

(Block)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, FL 32232-0019.

(Transferee Signature)

(Date)

(Name Printed)

(Street address)

(Mailing address)

(City, State, Zip Code)

Applications of Green Technology for Intertidal Oyster Reef Restoration at Florida State University Coastal & Marine Laboratory

Project Location and Description

The Florida State University Coastal and Marine Laboratory (FSUCML) is located adjacent to Alligator Harbor Aquatic Preserve in Franklin County (Figure 1). The laboratory's primary mission is to conduct interdisciplinary research and educate the public on the coastal and marine ecosystems of the Gulf of Mexico.

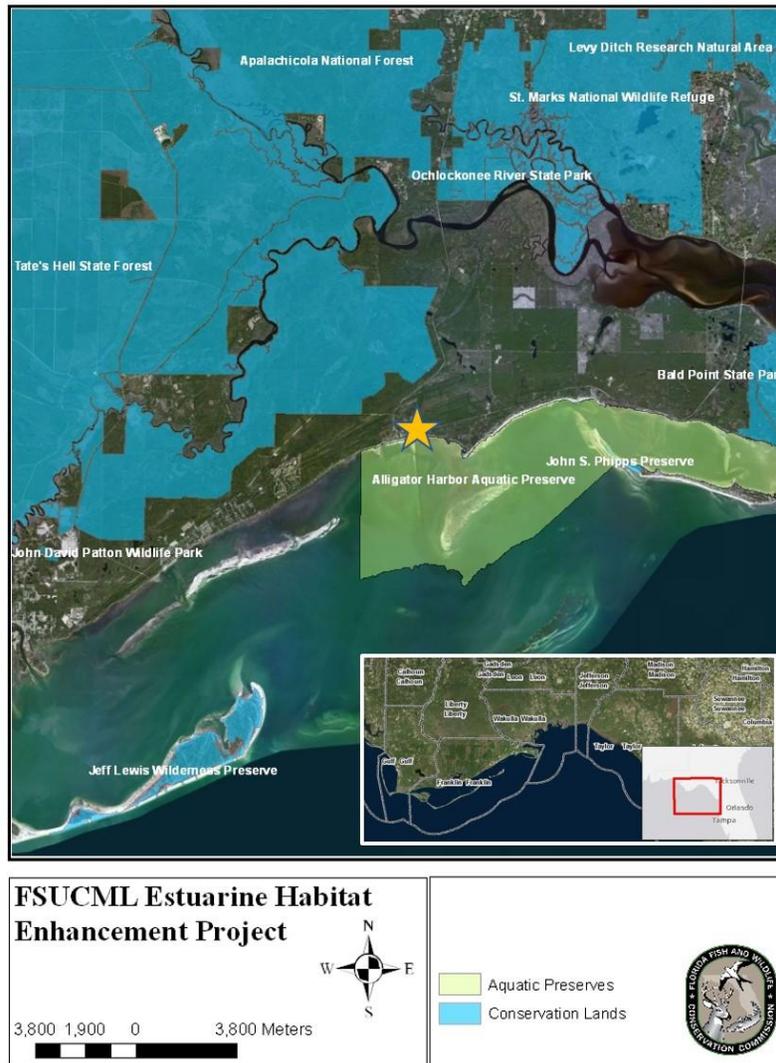


Figure 1. The Florida State University Coastal and Marine Laboratory (FSUCML) is in St. Teresa, Franklin County, Florida and within the Alligator Harbor Aquatic Preserve.

The FSUCML's strategic location is within proximity to a remarkably diverse array of habitats provides unique opportunities for innovative research and education. However, the shoreline and estuarine habitats directly adjacent to the FSUCML were highly impacted by dredging that occurred during the 1960s to create a boat basin, navigational channel and boat ramp critical to the research conducted at the lab (Figure 2). Over the course of the last 60 years, these alterations have exacerbated shoreline erosion and degraded estuarine habitats important to shoreline resiliency. In recent years, FSUCML administration developed and began implementing a long-term plan to renovate the facilities and adjacent estuarine habitats. The Florida Fish and Wildlife

Conservation Commission (FWC) has partnered with FSU to restore and enhance three integrated intertidal and coastal habitats adjacent to the laboratory and in turn, strengthen shoreline resiliency. The plan includes the restoration and enhancements of currently degraded and declining intertidal oyster reef habitat, pursuant to Florida Department of Environmental Protection (FDEP) environmental resources permit no. 0351156-002-EE/19 received August 22, 2017.

Site History



FIGURE 2 While the project area historically exhibited a typical delta pattern of sedimentation stemming from a tidally influenced creek (Left, 1953), a boat basin and navigational channel was dredged in the 1960s leaving behind loose debris and dredge cast materials detrimental to surrounding estuarine habitats (Right, 2006).

Applying Green Technology for Intertidal Oyster Reef Restoration

Due to the high energy forces of boat wakes from the FSUCML navigational channel, the existing intertidal oyster reefs at the FSUCML are largely degraded and declining (Figure 3). As boat wakes wash against the 0351156-004-EE/19 across the intertidal reefs, oysters become loosened from the underlying substrate and are washed to the westward side of the reef. In addition to causing oyster mortality, the loosening and subsequent translocation of oysters leaves behind exposed, dead oyster shell material susceptible to further erosion or burial by sediments. To restore such degraded reefs, any remaining hard substrate or dead oyster shell material must first be stabilized and secured. The materials used to stabilize and secure the substrate should also be suitable for oyster recruitment such that a fully secured and restored intertidal oyster reef area can establish and persist.



Figure 3: Due to the high energy forces of boat wakes from the FSUCML navigational channel (to the right and east of this photo view), the existing intertidal oyster reefs at the FSUCML are largely degraded and declining. Loose oyster shell cluster can be viewed as well as broken oyster shell hash mixed with eroding sediments.

Before the full scope of the aforementioned project (FDEP permit no. 0351156-002-EI/19) can be successfully implemented, low-profile, intertidal oyster reef materials must be selected to restore the currently degraded and declining intertidal oyster reef habitat at FSUCML. Most projects intended to restore low-profile, intertidal oyster reefs in Florida involve the use of non-biodegradable plastic materials known as “oyster mats” (e.g., restoreourshores.org) or plastic mesh oyster shell bags. In an effort to evaluate several “green technologies” using biodegradable material, for the restoration of FSUCML’s degraded intertidal oyster reef area, FWC and its partners, FSUCML and University of Florida, initiated a pilot study at the FSUCML project site in May 2017. This pilot study (authorized under FDEP letter of exemption no. 0351156-001-EE, received February 24, 2017) was designed to temporarily install and evaluate a variety of different biodegradable test materials on site. The material that provides the best reef stabilization and live oyster accretion during this study will be selected for restoration of FSUCML’s intertidal oyster reef habitat as described in FDEP ERP No. 0351156-002-EI/19.

3/9
0351156-004-EE/19

Pilot study monitoring has been completed monthly since the deployment of six initial test treatments in May 2017. Evaluations are focused on assessing the success of each materials’ ability to stabilize loose and broken oyster shell hash/substrate as well as each materials’ level of oyster recruitment and long-term oyster survival. To date, this study has been inconclusive and requires further monitoring to complete a full evaluation of all biodegradable treatments considered. Additionally, to expand potentially successful applications of green technology, FWC and its partners would like to test two additional treatment types during the 2018 oyster season. **In sum, this application request is for the continuation of the pilot study initiated in 2017 with the addition of two new treatments as described below for one additional year.**

Pilot Study Treatments

The project involves the construction of eight (8) study treatments, each composed of a different material (Table 1). Each treatment is small (typically 25 cm long x 25 cm wide x 5 – 25 cm high), so that they are easy to construct, transport, deploy, and remove at the end of the experiment. The intent is to identify the optimal treatment for the stabilization of currently loose oyster shell hash substrate and the encouragement of oyster recruitment.

Table 1: Eight study treatments consisting of differing suitable oyster recruitment materials will be deployed at the FSUCML study site to identify the optimal treatment for stabilizing currently loose oyster hash substrate and recruiting live oysters.

Treatment	Material Description	Deployment Date
1	LSS* base with no nutrient additives	May 2017
2	LSS* base with nutrient additives	May 2017
3	LSS* base with embedded oyster shell cultch	May 2017
4	LSS* base with nutrient additives and embedded oyster shell cultch	May 2017
5	Biodegradable EcoSystem Engineering Elements (potato starch matrix)	May 2017
6	Oyster mats (aquaculture grade plastic mesh with oyster cultch attached)	May 2017
7	Coir (coconut) fiber oyster shell bags	April 2018
8	Fossilized oyster shell/lime-stone aggregate	April 2018

*LSS = limestone and silicate base with stearic acid added as a binder to neutralize pH

Treatments 1 – 4: Structurally, the first four treatments use the same base material; a limestone and silicate base with stearic acid added as a binder to neutralize pH (hereinafter referred to as LSS Base). Two of these treatments have impregnated nutrient additives (e.g., sugars, amino acids, starch, vitamins), and two are structurally enhanced with oyster shells. The nutrients used in treatments 1 through 4 include saturated, long-chain fatty acids, such as stearic and palmitic acid as a mineral binder and a mineral coating. Extracted from plants and animals in bulk and with high melting points, these green tech materials show promise as an attractive colonization surface for oyster spat (Manning et. al., 2016, unpublished data) and will eventually biodegrade, leaving no trace of the original structure. Each test unit consisting of the materials described for treatments 1-4 was constructed as a 25 cm x 25 cm block, each approx. 5 cm in height. For those with oyster cultch embedded, the final height was approx. 10 cm. Each treatment block was secured to the substrate using an “L” shaped rebar stake at the time of deployment (May 2017; Figure 4).



Figure 4: Example treatments 1-4, all of which have a base of limestone/silicate with stearic acid added as binder. Treatments 1 & 2 did not have oyster cultch embedded (right), while treatments 3 & 4 did.

Treatment 5: Made from a derivative of potato starch, Biodegradable EcoSystem Engineering Elements or “BESE” have shown success in stabilizing sediments and recruiting mollusks in the Netherlands (bese-elements.com). They are currently being tested by FWC’s University of Florida partners (Dr. Christine Angelini) throughout the State of Florida and will eventually biodegrade, leaving no trace of the original

structure. Each BESE test unit was constructed as a 50 cm x 50 cm block approximately 25 cm high. Each BESE test unit was secured to the substrate using an “L” shaped rebar stake at the time of deployment (May 2017; Figure 5).



Figure 5: Example of Biodegradable EcoSystem Engineering Elements (BESE), treatment 5, consisting of a potato starch matrix.

Treatment 6: Many successful intertidal oyster reef restoration projects on Florida’s east coast (e.g. in the Indian River Lagoon) have used stiff panels of aquaculture grade plastic mesh material with oyster shell cultch attached. These structures, known as “oyster mats” (e.g., restoreourshores.org), stabilize degraded low-profile reefs subject to boat wake energies and promote the recruitment of live oysters. Although oyster mats are not biodegradable, they are being tested at the FSUCML due to their widespread success and as a comparison to intertidal oyster restoration projects on the east coast. Each oyster mat test unit was constructed as a 25 cm x 25 cm square approximately 5 cm in height. When deployed across a large reef area, individual units can be connected via sprinkler hose weights attached to each corner of the mat. In the case of this pilot study, only one mat was deployed and secured to the substrate using an “L” shaped rebar stake at the time of deployment (May 2017; Figure 6).



Figure 6: Example of treatment 6, oyster mats, made of stiff, aquaculture grade plastic mesh with oyster cultch attached.

Treatment 7 (new in 2018): Many successful intertidal oyster reef restoration and living shoreline creation projects throughout the State of Florida use plastic mesh oyster shell bags. These bags consist of pliable aquaculture grade plastic mesh filled with oyster shell cultch and are typically used to construct living shoreline breakwater structures. In an effort to reduce the amount of plastic in the marine environment, FWC has



successfully used biodegradable coir (coconut) fiber mesh oyster shell bags for subtidal oyster reef restoration projects such as the large scale “Oyster Reef Restoration in St. Andrew Bay, FL” project. Coir fiber oyster shell bags will be tested at the FSUCML to evaluate their durability and oyster recruitment potential in intertidal conditions. These biodegradable bags (approx. 50 cm long x 25 cm wide x 25 cm high) are filled with oyster cultch and are easily deployable, weighing approx. 20 pounds each. Each bag will be secured to the substrate using a rebar stake in April 2018 (Figure 7).



Figure 7: Example of treatment 7, biodegradable coir (coconut) fiber oyster shell bag, approx. 25 cm x 50 cm.

Treatment 8 (new in 2018): Fossilized oyster shell/lime-stone aggregate is yet another natural material typically used for oyster reef restoration throughout the State of Florida. For example, Choctawhatchee Basin Alliance has replaced plastic mesh oyster shell bags with fossilized shell aggregate material to construct living shoreline breakwater habitat along Choctawhatchee Bay without the input of plastic into the marine environment.

6/9
0351156-004-EE/19
These aggregate stone pieces are typically the size of half an oyster shell bag (approx. 30 cm in diameter) and, like recycled oyster cultch, have a suitable pH for the successful settlement of oyster larvae. Fossilized oyster shell/lime-stone aggregate will be tested at the FSUCML to evaluate its oyster recruitment potential and provision of oyster habitat safe from predators. The natural weight of the aggregate material is expected to hold the test treatments in place when deployed in April 2018 (Figure 8).



Figure 8: Example of treatment 8, fossilized oyster shell/lime-stone aggregate. Material deployed as a part of this pilot study will average approx. 30 cm in diameter.

Pilot Study Design

All test treatments were or will be deployed along existing intertidal oyster reefs at the FSUCML just prior to the spring peak in oyster larvae (April-May). Treatments will not be placed on top of any living oysters or seagrasses.

The experimental design consists of: Phase 1) twelve replicate arrays of the first six treatment types (treatments 1-6) arranged randomly within each array and Phase 2) two replicate arrays of treatments 7 and 8 arranged along the existing but degraded intertidal reef elevation gradient.

Phase 1: Twelve replicate arrays of treatments 1-6 were deployed in May 2017 after receiving FDEP letter of exemption no. 0351156-001-EE on February 24, 2017. In total, 72 approx. 25 cm square test treatment units (6 treatments each at 12 replicate arrays) were deployed, with a total footprint of 18 square meters (Figure 9 & 10).

FWC herby requests that these treatments remain in place for further study until May 2019, at which time they will be removed.



Figure 9: Example of one of twelve replicate arrays within which one unit each of treatments 1-6 were deployed in random order as part of Phase 1 in May 2017.

Phase 2: Two replicate arrays of Treatments 7 & 8 are planned for deployment in April 2017 and will remain in place until May 2019, at which time they will also be removed. Six (6) approx. 50 cm x 25 cm coir fiber oyster shell bags (treatment 7) will be deployed along two replicate arrays as depicted in Figure 10 with a total footprint of 3 square meters. Approximately 80 fossilized oyster shell/lime-stone aggregate pieces (treatment 8) each ~30 cm in diameter will be deployed along two different replicate arrays as depicted in Figure 10. This equates to a total anticipated fossilized oyster shell/lime-stone aggregate footprint of approx. 25 square meters. **FWC hereby requests confirmation that deployment of these two new test/sample treatments qualify for an FDEP letter of exemption.**

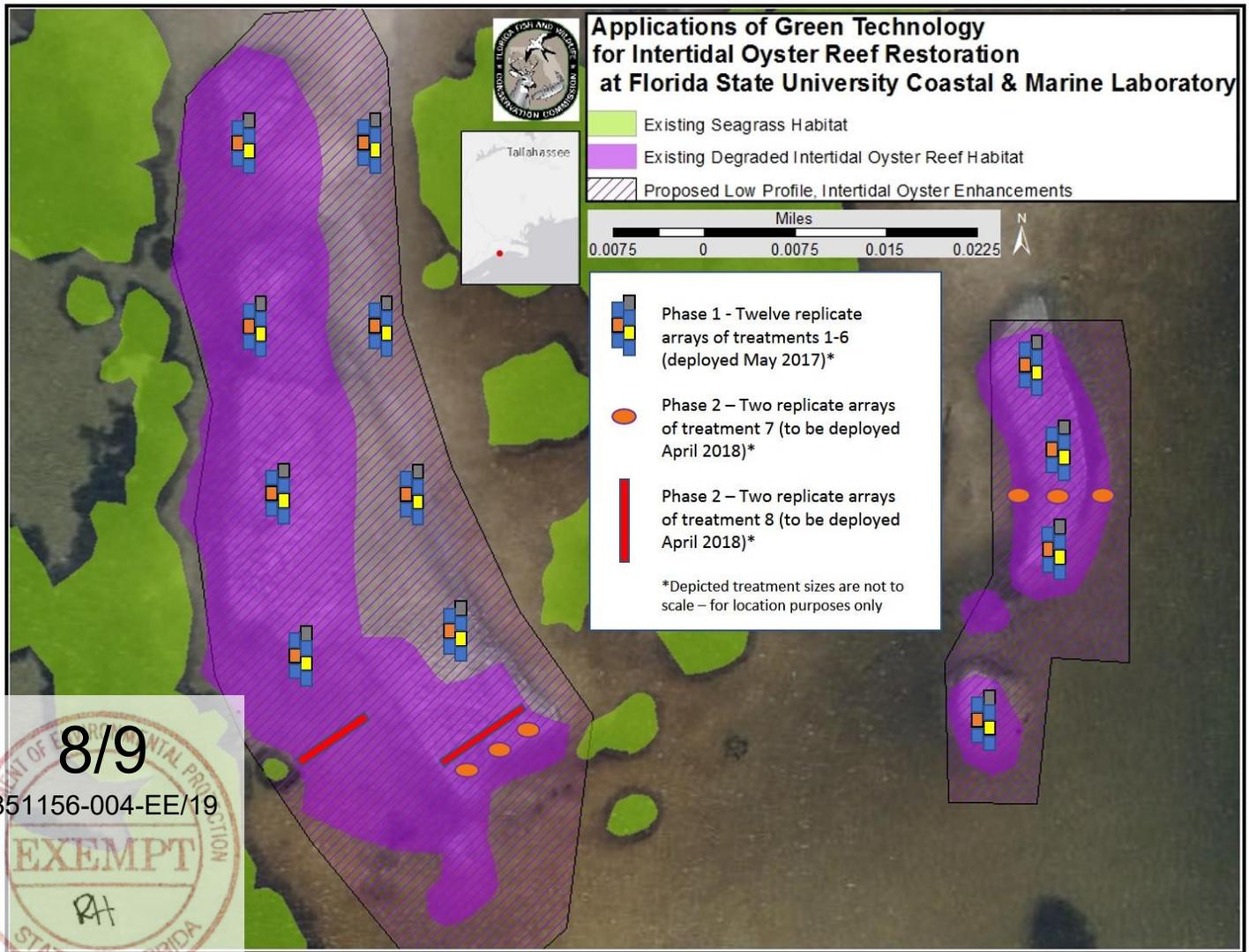


Figure 10: Design and layout of the Applications for Green Technology pilot study at FSUCML.

In grand total, all pilot study treatments deployed will have a footprint of 46 square meters spread over 2,950 square meters of degraded, intertidal oyster reef. This equates to 1.6% of the area slated for estuarine habitat restoration (0351156-002-EI/19).

Study Monitoring

All treatment units will be monitored monthly for the duration of the experiment to assess recruitment rates (standardized to unit surface area), survival and growth rates for each treatment unit according to methods outlined in the Oyster Habitat Restoration Monitoring and Assessment Handbook (Baggett et al 2014). Recruitment success is defined as a combination of recruitment rates, survival and growth for each treatment.

Treatments will be compared for each metric using analysis of variance with base type and structure as factors. In addition to the oyster metrics, densities of dominant associated megafauna, particularly oyster predators will be documented and compared among treatments using non-parametric statistics (Primer-E). Temperature-salinity data will be downloaded monthly from deployed data loggers, and meteorological conditions (air temperature, wind speed/direction, rainfall, and cloud cover) will be recorded daily from the FSUCML weather station to determine how local weather conditions influence the oyster reef environment.



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