



FEDERAL FISH AND WILDLIFE PERMIT

1. PERMITTEE

SEARENITY DEVELOPMENT, INC.
832 GULF SHORES PARKWAY
P.O. DRAWER 979
GULF SHORES, ALABAMA 36547

TELEPHONE: 251/981-7575

2. AUTHORITY-STATUTES

16 USC 1539(a)(1)(B)
16 USC 703-712
REGULATIONS (Attached)

50 CFR §§ 13 & 17, &
21

3. NUMBER

TE-103097-0

4. RENEWABLE

☒ YES

☐ NO

5. MAY COPY

☒ YES

☐ NO

6. EFFECTIVE

10/30/2006

7. EXPIRES

10/30/2036

8. NAME AND TITLE OF PRINCIPAL OFFICER (If #1 is a business)

MICHAEL R. DAVIS, PRESIDENT

9. TYPE OF PERMIT

ENDANGERED SPECIES - INCIDENTAL TAKE

10. LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED

APPROXIMATELY 1.25 ACRES OF LAND, CONSISTING OF ONE LOT IN SECTION 6, TOWNSHIP 4 SOUTH, RANGE 32 WEST, PARCEL NUMBER 06-4S-32-2001-010-001. ESCAMBIA COUNTY, FLORIDA.

11. CONDITIONS AND AUTHORIZATIONS:

- A. GENERAL CONDITIONS SET OUT IN SUBPART D OF 50 CFR 13 AND SPECIFIC CONDITIONS CONTAINED IN FEDERAL REGULATIONS CITED IN BLOCK #2 ABOVE ARE HEREBY MADE A PART OF THIS PERMIT. ALL ACTIVITIES AUTHORIZED HEREIN MUST BE CARRIED OUT IN ACCORD WITH AND FOR THE PURPOSES DESCRIBED IN THE APPLICATION SUBMITTED. CONTINUED VALIDITY, OR RENEWAL, OF THIS PERMIT IS SUBJECT TO COMPLETE AND TIMELY COMPLIANCE WITH ALL APPLICABLE CONDITIONS, INCLUDING THE FILING OF ALL REQUIRED INFORMATION AND REPORTS.
- B. THE VALIDITY OF THIS PERMIT IS ALSO CONDITIONED UPON STRICT OBSERVANCE OF ALL APPLICABLE FOREIGN, STATE, LOCAL OR OTHER FEDERAL LAW.
- C. VALID FOR USE BY PERMITTEE NAMED ABOVE, AND ITS SUCCESSORS.
- D. ACCEPTANCE OF THIS PERMIT SERVES AS EVIDENCE THAT THE PERMITTEE AND ITS AUTHORIZED AGENTS UNDERSTAND AND AGREE TO ABIDE BY THE TERMS OF THIS PERMIT AND ALL SECTIONS OF TITLE 50 CODE OF FEDERAL REGULATIONS, PARTS 13 AND 17, PERTINENT TO ISSUED PERMITS. SECTION 11 OF THE ENDANGERED SPECIES ACT OF 1973, AS AMENDED, PROVIDES FOR CIVIL AND CRIMINAL PENALTIES FOR FAILURE TO COMPLY WITH PERMIT CONDITIONS.

BLOCK 11 OF THIS PERMIT CONSISTS OF ITEMS A - X (12 PAGES TOTAL).

12. REPORTING REQUIREMENTS

REPORTS WILL BE PROVIDED TO THE U.S. FISH AND WILDLIFE SERVICE OFFICES APPEARING IN CONDITION W OF THIS PERMIT.

ISSUED BY

TITLE

DEPUTY REGIONAL DIRECTOR, FWS,
SOUTHEAST REGION

DATE

10/26/06

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E. The Permittee owns a 1.25 acre tract as described in Block-10, above and proposes to construct a residential real estate development called Seareenity Condominiums ("the Project"). The Project is shown on the site plan attached hereto as Appendix A, and various areas that are located on the Project site and that are pertinent to this Permit are shown on the Design Plans shown on Appendix A. This Permit authorizes incidental taking of *Peromyscus polionotus trissyllepsis* (PKBM) associated with the construction of the Project and associated infrastructure, and subsequent human habitation of the Project, as conditioned herein and subject to the continued validity of the Permit.

F. The Permittee is an incorporated entity that will develop the Project and establish a condominium association, which will be an incorporated entity pursuant to Chapter 617, Florida Statutes. The association, through its board of directors, will manage the common areas and will represent the individual property owners, who hold title to specific condominium units ("Owners"). The Permittee shall incorporate this Permit and all terms and conditions of this Permit into the declaration of condominium for the Project and shall, prior to the conveyance of any condominium units, cause the declaration to be recorded in the appropriate real estate records of Escambia County, Florida. Additionally, the Permittee shall, upon, or prior to, conveyance by Permittee of any condominium unit within the Project, deliver to each transferee who acquires title from the Permittee a copy of this Permit. All applicable conditions of this Permit shall run with the land comprising the Project and automatically will be deemed assigned and transferred to each Owner upon conveyance of title. Prior to transfer by the Permittee of fee simple title to any unit within the Project, the Permittee shall provide signed notification to the Service personnel identified in Condition 11.W. below that a transfer of ownership is pending. This notification shall include the buyer's name, permanent mailing address, and a statement that the individual or a principal of any buyer that is an entity is aware of and has agreed to implement all the terms and conditions of the Permit. The Permittee shall be defined as Seareenity Development, Inc. until such time as Seareenity Development, Inc. no longer owns any unit within the Project, and at such time, the Permittee shall be deemed to be the Project condominium owners association.

G. At such time as any Unit Owner shall sell or dispose of all his respective interest in the Project and so long as such Owner is not then in default under this Permit, such Owner shall be automatically released from all obligations, conditions, and liability of this Permit and any purchaser of such Unit shall, upon purchase thereof, become responsible for the future compliance therewith but not for any prior or then existing defaults, violations, or deficiencies.

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H. The Permittee and its authorized agents and assigns are authorized for the following types of take of PKBM incidental to the site demolition, site preparation, development, construction, operation and human occupancy of the Project, subject to compliance with all the terms and conditions of this Permit.

Harassment, harm, injury, and/or death of PKBM resulting from the permanent loss of 0.32 acre of PKBM habitat, including proposed critical habitat for the PKBM on the 1.25-acre Project site for demolition, site preparation, development, construction, operation and human occupancy of the Project substantially as shown on Appendix A (including the deck and pool, parking, driveway, and one dune walkover) and from indirect impacts due to the development, construction and human occupancy of residential land use at the Project.

I. Within ninety (90) days after the later of the effective date of this Permit and the date on which Permittee receives the fully executed Permit from U.S. Fish and Wildlife Service (USFWS), the Permittee shall ensure that the declaration of condominium incorporates this Permit and all terms and conditions of this Permit and shall provide certification of the compliance with this requirement, along with a copy of the said declaration, to the USFWS office noted in condition V.

J. Within ninety (90) days after the later of the effective date of this Permit and the date on which Permittee receives the fully executed Permit from USFWS, the said declaration of condominium shall include a statement of the purposes of protecting PKBM including a brief description and information on the need, intent, and purposes of this Permit, and conservation of PKBM. The declaration shall further stipulate that no changes shall be made that would cause noncompliance with the requirements of this Permit. Changes to the declaration that would cause noncompliance shall constitute grounds for suspension or revocation of the Permit and will subject the Permittee to enforcement action.

K. The Permittee shall provide copy of the Permit to each Owner. In addition, each Owner shall maintain a copy of the Permit in the residence for use by lessees or others who hold under the Owner.

L. The Permittee shall allow the USFWS personnel, State of Florida Fish and Wildlife Conservation Commission personnel, Escambia County personnel, or other properly permitted and qualified persons designated by these agencies to enter the Project boundaries at reasonable hours and times for the general purposes specified in Part 50 Code of Federal Regulations §13.21(e)(2).

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M. The following measures from the Permittee's habitat conservation plan, as modified by this Permit, shall be put into effect by the Permittee to ensure that the incidental take of PKBM is minimized and mitigated:

Construction (and site demolition and site preparation)

1. All work on the seaward side of the temporary construction fence shall be conducted outside the sea turtle nesting season (May 1 through October 31). The construction fence is required as Special Permit Condition No. 6 of the Coastal Construction Control Line (CCCL) permit ES-546 for the subject Project issued by the Florida Department of Environmental Protection.
2. A copy of the Permit shall be provided to the general contractor and included in all sub-contracts for the Project. The construction contract documents entered into by the Permittee shall include a stipulation that conservation objectives of the Permit shall be communicated to and agreed upon by all sub-contractors.
3. Impacts to PKBM shall be avoided or minimized by: (a) placing sediment barriers and flagging to restrict access and avoid impacts to habitat; (b) storing materials at appropriate staging sites and on previously disturbed areas outside of habitat; (c) keeping the construction site clean and free of debris by keeping trash out of habitats; (d) limiting disturbance from site demolition, site preparation and construction grading by clearly indicating on all construction plans and onsite with silt fence or other barrier fence installation. The foregoing are subject to the provision in paragraph 4 below for Area F as shown on Appendix A allowing for temporary disturbance of an area 10 feet outside the Project footprint.
4. Permanent alteration of PKBM habitat on the Project site shall not exceed 0.32 acres (0.30 acre structure/deck/pool/parking/driveway and 0.02 acre walkover) for the Project footprint. An additional 10 feet (0.16 acre) outside of the said 0.32 acre footprint may be temporarily disturbed during site demolition, site preparation, and Project construction. The 10-foot area outside of the footprint shall be restored upon completion of the construction.
5. All exterior or interior lighting for the Project must conform to the Lighting Plan as approved by the Florida Fish and Wildlife Conservation Commission and the USFWS on September 29, 2006 (FDEP CCCL permit ES-546).

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6. All of the Project's components (e.g.) condominium footprint, parking area, ingress/egress, and dune walkover) constructed shall conform to the configuration/design plans as specified in Appendix A.
7. All plant species used for dune restoration or landscaping the common areas must be selected from the indigenous plant list in Appendix B – Species Plant List for Coastal Dune and Beaches in Escambia County, Florida. The dune restoration and landscape plans must be approved by the USFWS. Any changes to the plant list will be considered upon written request to the USFWS. Request for changes shall provide information that provides verification that the plant is a coastal native dune plant species in Escambia County, Florida. No installed irrigation system, mulch or landscape fabric will be allowed in the landscaping.
8. Undeveloped areas along the east and west sides of the building shall be maintained post-construction to provide connectivity of PKBM habitat to other onsite and off-site habitat. These areas shall be a minimum of 10- feet wide as shown on Appendix A and shall be planted with native vegetation selected from an indigenous plant list in Appendix B - Species Plant List for Coastal Dune and Beaches in Escambia County, Florida.
9. One dune walkover (size: 221 feet by 5 feet) shall be constructed: 1) using top-down techniques; 2) on raised pilings a minimum elevation of 3 feet above grade to allow natural dune growth and formation; 3) with hand rails at least 44 inches high installed on 4 inch centers intended to prevent pedestrians access into dune habitat; and 4) with no lighting on the walkover seaward of the landward toe of the dune. The walkover shall be a common element for the Project and shall be the only method of access provided to and from the beach for the Project.
10. A barrier shall be installed along the east and west property boundaries to prevent access to beach mouse habitat by pedestrians and allow movement of beach mice. All debris/refuse shall be regularly removed from these areas with a minimum of disturbance to the natural vegetation.
11. Sand fence shall be installed seaward of the restored primary dune to both enhance sand retention and prevent pedestrian access to the dune habitat on the Project. The sand fence shall be installed in a sea turtle compatible configuration (Appendix C - Sand Fence Installation Configuration for Sea

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Turtle Nesting Beaches Northwest Florida). Appropriate CCCL permits from the Florida Department of Environmental Protection or Escambia County shall be obtained prior to the fence installation.

Monitoring

1. The Permittee shall, at its expense, be responsible for contracting with a qualified consultant to monitor the status of PKBM for three (3) years following issuance of the first certificate of occupancy by Escambia County, Florida covering any portion of the Project. The current monitoring requirement shall consist of yearly monitoring that consists of 4 (quarterly) trapping surveys conducted for 5 nights each. Site description and trapping data shall be recorded. Site description should include project location, habitat on the Project area and trapping design relative to habitat distribution. Daily trapping data should include number of beach mice captured per day, their sex, age, and reproductive condition, non-target species captured, weather conditions, lost or missing traps, and moon phase. Geographic position data shall be taken for every trap and mice capture location. A population estimate shall be calculated using the Program CAPTURE (Otis et. al 1978). Beach mice shall be individually marked to calculate a population estimate. The USFWS shall approve of the trapping design. The design shall be submitted to the USFWS at least 120 days prior to the initial monitoring session. Persons conducting the monitoring shall be required to obtain appropriate permits from the USFWS and Florida Fish and Wildlife Conservation Commission and shall follow the stipulations outlined in the permit(s). All information shall be provided in the annual reports for this Permit.
2. All house mice captured during monitoring surveys for PKBM shall be humanely euthanized and disposed of properly. Any cotton rats or cotton mice shall be released at capture point.

Operation and Maintenance

1. Cats (including pets) shall be prohibited from the exterior and interior premises of the Project. Dogs are permissible when kept confined inside the condominium units. Dogs shall be walked on a 6-foot hand held leash, outside of beach and dune areas. All dog solid waste material shall be picked up and disposed of properly by the pet owner/care taker.
2. The Escambia County animal control shall be contacted if free-roaming cats (pet or feral) are observed on the Project premises.

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3. Multiple open waste or trash containers shall be prohibited on the exterior Project premises. One (1) exterior trash/refuse receptacle in the pool area and the Project trash dumpster shall be permitted and must be scavenger and rodent proof.
4. Subject to temporary disturbance during construction as allowed by the terms of this Permit, permanent impact to the site shall be limited to the 0.32 acre of PKBM habitat labeled as Area "F" on Appendix A. The PKBM habitat (0.16 acre) allowed by this Permit to be temporarily disturbed during construction outside Area "F" shall be restored after completion of construction. After Project completion 0.62 acre of PKBM habitat shall be protected, managed, and maintained on the Project site.
5. The use of exterior rodenticides shall be prohibited. Any captured exotic or non-native rodents (house mice, Norway rats, black rats) shall be humanely euthanized and disposed of properly.
6. The Permittee shall comply with the State of Florida marine turtle nesting survey requirements applicable to the Project, including such requirements as pertain to stranded turtle notification and handling. To obtain the marine turtle permit holder contact information the Florida Fish and Wildlife Conservation Commission, Tequesta Field Laboratory at (561) 575-5408 may be contacted.
7. Educational signs shall be installed on the deck and walkover providing information about the PKBM, sea turtles, shorebirds including piping plover, and habitat conservation. The signs shall be designed to increase awareness of coastal species conservation resulting in beneficial behavior modification of residents and guests at the Project. The final design and wording of the signs shall be approved by the USFWS.
8. All beach chairs and umbrellas or similar items shall be removed from the beach on the property each night during the sea turtle nesting season from May 1 through October 31.
9. A Conservation Easement with the Florida Fish and Wildlife Conservation Commission as the easement grantee shall be placed on the undeveloped portions of the property with the exception of a 10-foot access easement associated with the walkover. The boundaries of the Conservation Easement shall be surveyed by a licensed certified land surveyor. The Conservation Easement shall be recorded with the Clerk of Escambia County within 6 months of the completion of the Project (first Owner occupancy). The

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Permittee shall work with the Florida Fish and Wildlife Conservation Commission to draft the Conservation Easement and a draft copy of the Conservation Easement shall be provided to the USFWS for review and approval. A copy of the survey and recorded Conservation Easement shall be provided to the USFWS within 90 days after the Conservation Easement is recorded.

10. As noted in the Permittee's HCP, the Permittee shall contribute a one-time sum of \$32,000 to the PKBM Conservation Fund held by Escambia County, Florida or such other entity as is designated by the USFWS for such purpose. This contribution shall be provided with the application for a County Building Permit or other such permit that will result in impacts covered by the HCP. Following the issuance of the Certificate of Occupancy for the development and every year following for the life of the Permit a fee of \$201.00 per unit (15 units) for a total of \$3,015 shall be deposited in the PKBM Conservation Fund. The annual assessment payment will be included in the annual Escambia County property tax assessment for the unit properties. Payment will be rendered in response to the tax assessment billing. The purpose of the PKBM Conservation Fund is to implement compensation and mitigation of development impacts on PKBM.
11. Within ninety (90) days of the date of this Permit issuance, the Permittee shall provide the USFWS a final site layout that shows the condominium, driveway, parking, deck/pool, dune walkover. The dimensions as provided in this Permit shall be accurately depicted on the layout. The layout shall be no smaller in scale than 1 inch = 30 feet.
12. The declaration of condominium shall provide that the association's annual budget include assessments for establishing and maintaining an interest bearing account for purposes of funding the three (3) year PKBM monitoring requirements set forth elsewhere in this Permit. The declaration of condominium shall identify that this account cannot be dissolved under any circumstances until the monitoring surveys are completed. Notwithstanding anything in this Section 12 to the contrary, the Service agrees and acknowledges that the Project developer or Searenity Development, Inc., may, without obligation and its sole and absolute discretion, directly fund the account contemplated by this Section 12, without direct assessment of the unit owners.
13. The declaration of condominium shall further authorize the association to impose special assessments as needed to meet the association's obligation under this Permit as successor Permittee. Notwithstanding anything in this

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Section 13 to the contrary, the USFWS agrees and acknowledges that the Project developer or Searenity Development, Inc., may, without obligation and its sole and absolute discretion, directly fund any amounts that may be necessary to comply with the requirements of Section 1 under "Monitoring" on page 5 of this Permit without direct assessment of the unit owners.

N. Because the purpose of the HCP and this Permit is to minimize take of and to gather data on the impacts to PKBM resulting from the Project it is important that any PKBM occupying the Project site not be relocated. Therefore the use of trapping or other methods to capture PKBM prior to the Project construction for purposes of relocation is not authorized.

O. The Permittee and the USFWS may propose modifications and/or amendments to the HCP or this Permit by providing written notice. Such notice shall include a statement of the reason for the proposed modification and an analysis of its environmental effects, including its effects on operations under the HCP and on the PKBM. This analysis shall be jointly conducted between the Permittee and the contact office of the U.S. Fish and Wildlife Service. The USFWS or the Permittee shall use reasonable efforts to respond to a proposed modification or amendment within 60 days of receipt of such notice. Absent any objection from the USFWS or the Permittee, the proposed modification and/or amendment will be determined as minor and shall become effective upon written approval by the USFWS or the Permittee. If, for any reason, a receiving party objects to a proposed amendment or modification, it shall be processed in accordance with Condition 11.P and 11.Q, below.

P. The U.S. Fish and Wildlife Service will not propose or approve minor modification to the HCP or this Permit if the USFWS determines that such modifications would result in operations under the HCP and Permit that are significantly different from those analyzed in connection with the HCP, adverse effects on the environment that are new or significantly different from those analyzed in the HCP, or additional take of PKBM or another federally protected species not analyzed in connection with the original HCP.

Q. Any amendment or modification shall conform with all applicable legal requirements, including but not limited to the Endangered Species Act, the National Environmental Policy Act, and the USFWS's permit regulations at 50 CFR §13 and §17.

R. This Permit shall be deemed administratively amended to identify the condominium association as the Permittee upon conveyance of the last unit held by Searenity Development, Inc. Searenity Development, Inc. shall give the USFWS written confirmation and accompanying legal documents regarding such last conveyance,

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whereupon Seareenity Development, Inc. shall be deemed released from further responsibility under this Permit provided Seareenity Development, Inc. is in compliance with the Permit.

S. The Permittee shall submit an annual report, due by January 31 of each year the Permit is valid, to the USFWS offices listed in Conditions 11.W. of this Permit. The first report will be due January 31, 2007. The failure to submit this report timely shall not be deemed a default under the Permit unless such failure was willful or unless Permittee fails to submit such report within sixty (60) days following written notice from the Service that the report is delinquent. The annual report shall address items in Conditions I. through M. The following certification from a responsible company official who supervised or directed the preparation of the report shall be included in the annual report:

“Under penalty of law, I certify that, to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information submitted is true, accurate, and complete.”

T. The permittee and the USFWS acknowledge that even with the above detailed provisions for mitigating and/or minimizing impacts to the covered species, changes in circumstances could arise which were not fully anticipated by this permit and which may result in substantial and adverse change in the status of the covered species. The USFWS’s policy regarding changed and unforeseen circumstances is contained in the final “No Surprises” rule published on February 23, 1998 (63 FR 8859) and codified at 50 C.F.R. §§ 17.22(b)(5), 17.32(b)(5), 222.22(g).

Unforeseen and/or changed circumstances may become apparent either to the Permittee, authorized agents or to personnel of the USFWS. For the purposes of implementation of this condition, unforeseen circumstances are defined as changes in circumstances affecting a species or geographic area covered by the HCP that could not reasonably have been anticipated by the HCP developers and the USFWS at the time of the HCP’s negotiation and development, and that result in a substantial and adverse change in the status of the covered species. Changed circumstances are defined as changes in circumstances affecting a species or geographic area covered by the HCP that can reasonably be anticipated by HCP developers and the USFWS, and that can be planned for. Should either unforeseen or changed circumstances arise, the Permittee and the contact office of the USFWS shall meet within twenty (20) working days following notice. The USFWS and Permittee shall together agree upon appropriate and reasonable measures for addressing such circumstances, within the rule of applicable law, and the Permittee shall implement appropriate and reasonable measures within an additional thirty (30) working days, unless a longer period of time is agreed to by the USFWS.

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U. Upon locating a dead, injured, or sick individual of an endangered or threatened species, initial notification shall be made to the USFWS Law Enforcement Office, Groveland, Florida at 352-429-1037 within 24 hours. Additional notification shall be made to the USFWS Office at Panama City, Florida at (850) 769-0552 within 48 hours. Care shall be taken in handling sick or injured individuals and in the preservation of specimens in the best possible state for later analysis of cause of death or injury.

V. For purposes of monitoring compliance and administration of the terms and conditions of this Permit, of review and approval of site plans, lighting plans, landscape and dune restoration plans the contact office of the USFWS shall be:

Field Supervisor
U.S. Fish and Wildlife Service
1601 Balboa Avenue
Panama City, Florida 32405
Telephone: (850) 769-0552
Fax: (850) 763-2177

W. Annual reports shall be provided to the following offices of the USFWS:

Field Supervisor
U.S. Fish and Wildlife Service
1601 Balboa Avenue
Panama City, Florida 32405
Telephone: (850) 769-0552
Fax: (850) 763-2177

Section 10 Permit Coordinator
U.S. Fish and Wildlife Service
1875 Century Boulevard, Suite 210
Atlanta, Georgia 30345
Telephone: (404) 679-4144
Fax: (404) 679-7081

SEARENITY DEVELOPMENT, INC.
832 GULF SHORES PARKWAY
P.O. DRAWER 979
GULF SHORES, ALABAMA 36547

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X. Any correspondence generated from implementation, modifications, or administration of the Permit shall also be provided to the following office of the USFWS:

Section 10 Permit Coordinator
U.S. Fish and Wildlife Service
1875 Century Boulevard, Suite 210
Atlanta, Georgia 30345
Telephone: (404) 679-4144
Fax: (404) 679-7081

END

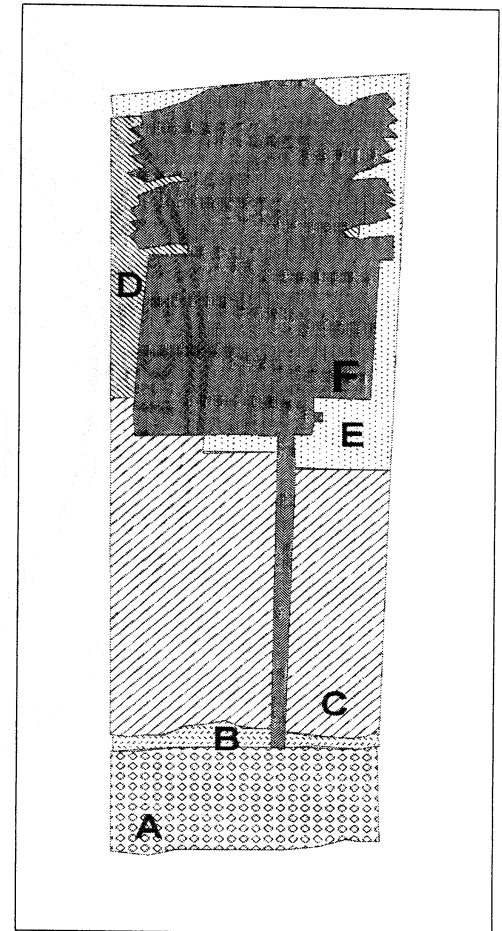


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Appendix A Seareenity Design Plans

Seareenity	Proposed Project Avoid, minimize, compensate acres
Total Acres	1.25
PKBM Habitat remaining onsite (naturally or restored)	0.62
PKBM Habitat to be permanently impacted	0.32
Development on non-PKBM habitat	0.14
Total development	0.48
Walkover	0.02
Building/deck/pool	0.46
Undeveloped non- PKBM habitats (beach)	0.17



The zones* are: A-Wet Beach (non-PKBM habitat), B-Fore dune (PKBM habitat), C-Primary Dune (PKBM habitat), D-Secondary Dune (PKBM habitat), E-Existing infrastructure which includes the current impacted area (buildings, driveway, etc.) on the property (non-PKBM habitat), F- Proposed project.

As observed in July 2004 by the applicant's consultant, Edmisten and Associates, Inc.

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Appendix B

Species Plant List for Coastal Dune and Beaches in Escambia County, Florida

Scientific Name	Common Name	Height	Container	Primary & Secondary Dune	Inter-dunal	Scrub dune
Trees						
Magnolia grandiflora	Southern Magnolia	60'-90'*	1gTP,3gTP,D			X
Osmanthus americanus	Wild Olive	70'*	1gTP,3gTP,D			X
Pinus clausa	Sand Pine	20'*	1gTP,3gTP,D			X
Pinus elliotii	Slash Pine	80'-100'*	1gTP,3gTP,D			X
Quercus geminata	Sand Live Oak	30'*	1gTP,3gTP,D			X
Quercus myrtifolia	Myrtle Oak	40'*	1gTP,3gTP,D			X
Quercus virginiana maritima	Sand Live Oak	40'-50'*	1gTP,3gTP,D			X
Medium to Large Shrubs & Small Trees						
Callicarpa americana	Beautyberry	5'	1gTP,TB,D			X
Ilex vomitoria	Yaupon Holly	20'	1gTP,TB,D			X
Iva frutescens	Marsh-Elder	11'	1gTP,TB,D		X	
Rhus copallina	Winged Sumac	10' (30')	1gTP,TB,D		X	X
Serenoa repens	Saw Palmetto	10' (30')	1gTP,TB,D			X
Small Shrubs & Ground Covers						
Schizachyrium (formerly maritimum)	Bluestem		LT,TB	X		X
Asclepias humistrata	Sandhill Milkweed		LT,TB			X
Bignonia capreolata	Cross Vine		LT,TB			X
Cakile constricta	Sea Rocket		LT,TB	X		
Ceratiola ericoides	Seaside Rosemary		LT,TB			X
Chrysoma pauciflosculosa	Seaside Goldenrod		LT,TB	X		X
(T) Chrysopsis gossypina cruiseana	Cruise's Golden Aster		LT,TB	X		X
Conradina canescens	Beach Heather		LT,TB	X		X
Cyperus sp.	Sedge		LT,TB		X	
Heterotheca subaxillaris	Aster (Camphor weed)		LT,TB	X		X
Hydrocotyle bonariensis	Pennywort		LT,TB	X	X	X
Ipomoea pes-caprae	Railroad Vine		LT,TB	X		
Ipomoea imperati (formerly stolonifera)	Beach Morning Glory		LT,TB	X		
Licania michauxii	Gopher Apple		LT,TB			X
Panicum amarum	Beach Grass		LT,TB	X	X	
(E) Polygonella macrophylla	Large-leaved Jointweed		LT,TB			X
Tradescantia ohiensis	Spiderwort		LT,TB		X	X
Uniola paniculata	Sea Oats		LT,TB	X		X

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The use of installed irrigation, mulch, regardless if artificial or natural material, and landscape fabric is prohibited.

T & E = State of Florida protected plant. Planting is strongly encouraged to help recover the species. Make sure the nursery you purchase the plant from is in the Association of Florida Native Plants; they follow all State regulations to grow and sell protected species.

*Trees living in coastal dunes do not reach "normal heights." They tend to be stunted and "pruned" by the wind, sand, and salt spray. Plant small specimens preferably in protected areas such as on the landward side of the dunes.

References:

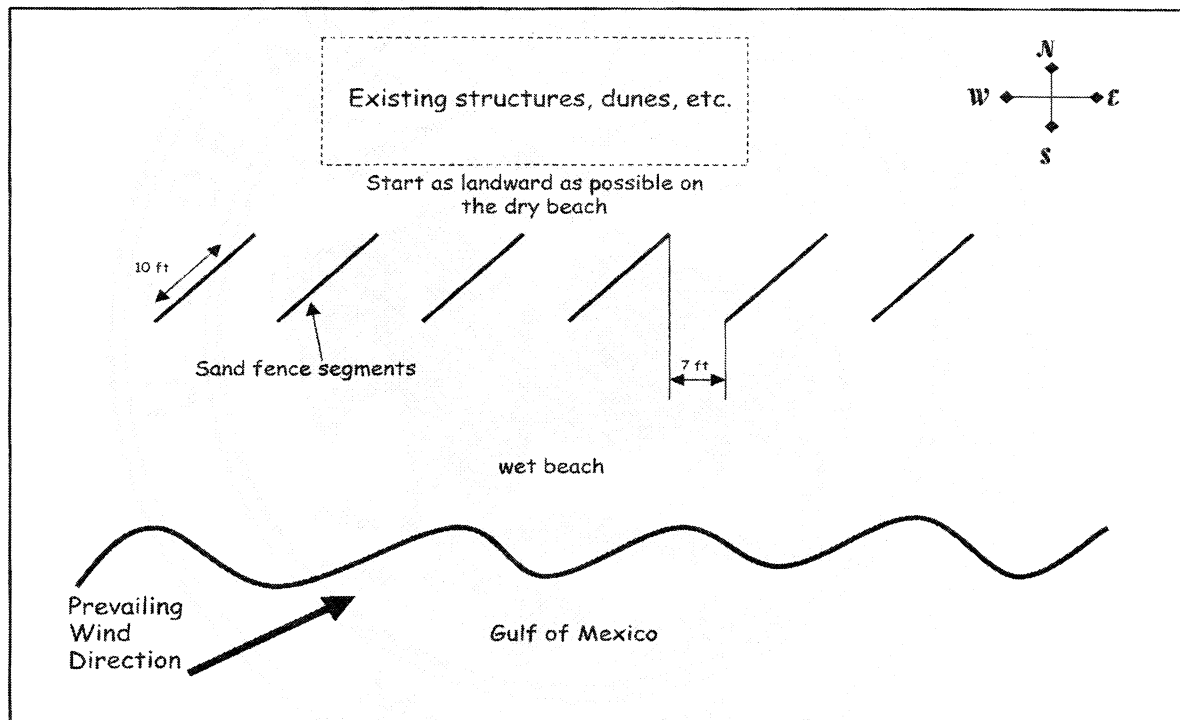
- Moyers, J.E. 1996. Food habits of Gulf coast subspecies of beach mice (*Peromyscus polionotus* spp.). M.S. Thesis, Auburn University, Alabama. 84 pp.
- Clewell, A. F. 1993. Guide to the vascular plants of the Florida panhandle. University Presses of Florida, Florida State University Press, Tallahassee, Florida 605 pp.
- Sneckenberger, S.I. 2001. Factors influencing habitat use by the Alabama beach mouse (*Peromyscus polionotus ammobates*). Master's thesis. Auburn University, Auburn, Alabama.
- Wunderlin, R. P., and B. F. Hansen. 2004. *Atlas of Florida Vascular Plants* (<http://www.plantatlas.usf.edu/>). [S. M. Landry and K. N. Campbell (application development), Florida Center for Community Design and Research.] Institute for Systematic Botany, University of South Florida, Tampa.
- Wunderlin, R.P. 1998. Guide to the vascular plants of Florida. University Presses of Florida, Gainesville, Florida 806 pp.

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Appendix C Sand Fence Installation Configuration for Sea Turtle Nesting Beaches Northwest Florida

A maximum of 10 foot-long spurs of parallel fence spaced a minimum of 7 feet apart shall be installed on a northeast-southwest (diagonal) alignment (below schematic).



Florida Department of Environmental Protection. Sand Fencing guidelines.
<http://www.dep.state.fl.us/beaches/publications/worddoc/sndfncgl.doc>

Florida Department of Environmental Protection. Building Back the Sand Dunes. Brochure.
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