



CITY OF MIAMI BEACH
BEACHFRONT MANAGEMENT PLAN
January 2016

As Amended in _____
(to include _____, Acquisition and Restoration Council recommendations)

Pursuant to: Management Agreement No. 750-0006
(Reassigned Lease No. 3595)

EXHIBITS

- Exhibit A – Beach Management Agreement
- Exhibit B – Property Location and Boundary Map for the City of Miami Beach
- Exhibit C – Atlantic Greenway Network Project Map
- Exhibit D – Concession Operations Rules & Regulations
- Exhibit E – Special Events Permit Requirements and Guidelines
- Exhibit F – Letter of Conformance to City of Miami Beach Comprehensive Plan
- Exhibit G – City of Miami Beach Dune Management Plan
- Exhibit H – Miami-Dade County Sea Turtle Nesting and Relocation Program Information
- Exhibit I – Beachfront Management Plan Advisory Group Meeting Minutes
- Exhibit J – U.S. Department of Agriculture Soil Information Survey Map
- Exhibit K – Florida Natural Areas Inventory Letter for City of Miami Beach
- Exhibit L – Beach Erosion Hot Spots Map
- Exhibit M – City of Miami Beach Rope and Post/Sand Fencing Standard Operating Procedures
- Exhibit N – Mobi-Mat Locations on the Beach
- Exhibit O – Life Guard Stands Map
- Exhibit P – 10-Year Beach Management Budget

EXECUTIVE SUMMARY

The City of Miami Beach is a barrier island community located in southeast Florida between Biscayne Bay and the Atlantic Ocean. The City has flourished by linking the urban environment to its natural capital including parks, natural and man-made waterways, sea grass beds, mangrove shorelines, sand dunes, and over seven miles of white, sandy beaches. The City's beaches are a critical economic, recreational, environmental, storm protection, and erosion control asset for the City of Miami Beach, Miami-Dade County, and the State of Florida. Last year, they attracted approximately 7 million overnight visitors to Miami Beach which spent \$11.4 billion. Additionally, the beaches are the first line of defense in protecting over \$30 billion in taxable property value in Miami Beach against storm surge and sea level rise.

The beaches, which constitute the land east of the erosion control line ("ECL"), were artificially created through nourishment between 1975 and 1980 by the U.S. Army Corps of Engineers and the State's Department of Environmental Protection as part of the Miami-Dade County Beach Erosion Control and Hurricane Protection Project. In 1982, the Board of Trustees of the Florida Internal Improvement Trust Fund ("the TIITF") transferred the management authority of the land eastward of the ECL via a Beach Management Agreement ("BMA") to the City of Miami Beach for use as a public beach area for recreational and other related activities. Through the BMA (Re-assigned Lease No. 3595), the City has managed these lands accordingly for recreational uses, including traditional saltwater beach activities, bicycle and pedestrian trail facilities, beach concessions, water sports, musical concerts and other special events.

Notable milestones that the City has achieved since the adoption of the last beachfront management plan include:

- a. Execution of a citywide dune restoration and enhancement effort that removed non-native, invasive vegetation and replaced it with native species in areas adjacent to existing beachwalk segments;
- b. Creation of a dune management plan with on-going maintenance activities to improve the health and stability of the coastal dune system;
- c. Implementation of a beach and dune educational program with grant funding obtained from the National Oceanic and Atmospheric Administration and the Florida Coastal Management Program grant that included a beach and dune community workshop, the installation of educational signage, and the creation of an educational brochure;
- d. Completion of the construction of the North Beach Recreational Corridor, the first phase of the Beachwalk II project, and additional segments of the Atlantic Corridor that were privately-funded and constructed;
- e. Completion a large-scale beach renourishment project in 2012 and smaller emergency truck haul projects in 2014 and 2015;
- f. Creation of a full-time beach monitor to oversee and regulate beach concession operations more closely, as well as document beach widths on a monthly basis at known erosional hotspots;
- g. Creation of a full-time Beach Maintenance Director position to address cleanliness, maintenance and other beach operations on the beach to improve user experience; and,

- h. Development and implementation of initiatives that improve beach access for individuals with disabilities and other special needs.

The intent of this management plan is to update and enhance the beach's management document to reflect current resource protection, management, planning, and programming needs. It provides a guide for operation, maintenance, and management of the City's beach and dune system to protect existing natural resources and improve public access in accordance with the City's beachfront management agreement with the State. The management plan is composed of seven sections that generally conform to the categories identified in the Land Management Plan Compliance Checklist on the following page. In these sections, the plan details several key management activities necessary to manage the Property as a public beach area for recreational and other related activities, including:

- a. Beach concession operations management and oversight;
- b. Beach patrol and ocean rescue operations;
- c. Litter control and waste management;
- d. Sand sifting and wrack line management;
- e. Maintenance of beach property, including rope and post, lifeguard stands, coastal pathways, signage, etc.;
- f. Erosion control monitoring and management;
- g. Special event management and oversight;
- h. Natural resource management and restoration; and,
- i. Access management, including construction and maintenance of coastal corridors and enhancing access in compliance with the Americans with Disabilities Act ("ADA").

Additionally, within these sections, the plan outlines future needs in erosion control that are critical to protection of the Property, its existing resources, and its intended uses. Based on the review of the previous management plan and the development of this update, the City is committed to continuing and enhancing these management activities in collaboration with its managing partners to protect the Property's intended use for the next 10 years.

Land Management Plan Compliance Checklist

Required for State-owned conservation lands over 160 acres

Section A: Acquisition Information Items

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
1	The common name of the property.		Pg. 1
2	The land acquisition program, if any, under which the property was acquired.	18-2.018 & 18-2.021	Pg. 1
3	Degree of title interest held by the Board, including reservations and encumbrances such as leases.	18-2.021	Pg. 1
4	The legal description and acreage of the property.	18-2.018 & 18-2.021	Pg. 1
5	A map showing the approximate location and boundaries of the property, and the location of any structures or improvements to the property.	18-2.018 & 18-2.021	Exhibit B & C
6	An assessment as to whether the property, or any portion, should be declared surplus. <i>Provide information regarding assessment and analysis in the plan, and provide corresponding map.</i>	18-2.021	Pg. 2
7	Identification of other parcels of land within or immediately adjacent to the property that should be purchased because they are essential to management of the property. <i>Please clearly indicate parcels on a map.</i>	18-2.021	N/A
8	Identification of adjacent land uses that conflict with the planned use of the property, if any.	18-2.021	N/A
9	A statement of the purpose for which the lands were acquired, the projected use or uses as defined in 253.034 and the statutory authority for such use or uses.	259.032(10)	Pg. 1
10	Proximity of property to other significant State, local or federal land or water resources.	18-2.021	Pg. 2

Section B: Use Items

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
11	The designated single use or multiple use management for the property, including use by other managing entities.	18-2.018 & 18-2.021	Pg. 2-7
12	A description of past and existing uses, including any unauthorized uses of the property.	18-2.018 & 18-2.021	Pg. 2-7
13	A description of alternative or multiple uses of the property considered by the lessee and a statement detailing why such uses were not adopted.	18-2.018	Pg. 3
14	A description of the management responsibilities of each entity involved in the property's management and how such responsibilities will be coordinated.	18-2.018	Pg. 6-7
15	Include a provision that requires that the managing agency consult with the Division of Historical Resources, Department of State before taking actions that may adversely affect archeological or historical resources.	18-2.021	Pg. 16
16	Analysis/description of other managing agencies and private land managers, if any, which could facilitate the restoration or management of the land.	18-2.021	Pg. 7
17	A determination of the public uses and public access that would be consistent with the purposes for which the lands were acquired.	259.032(10)	Pg. 7-10

Land Management Plan Compliance Checklist

18	A finding regarding whether each planned use complies with the 1981 State Lands Management Plan, particularly whether such uses represent "balanced public utilization," specific agency statutory authority and any other legislative or executive directives that constrain the use of such property.	18-2.021	Pg. 7
19	Letter of compliance from the local government stating that the LMP is in compliance with the Local Government Comprehensive Plan.	BOT requirement	Pending
20	An assessment of the impact of planned uses on the renewable and non-renewable resources of the property, including soil and water resources, and a detailed description of the specific actions that will be taken to protect, enhance and conserve these resources and to compensate/mitigate damage caused by such uses, including a description of how the manager plans to control and prevent soil erosion and soil or water contamination.	18-2.018 & 18-2.021	Pg. 7 - 10
21	*For managed areas larger than 1,000 acres, an analysis of the multiple-use potential of the property which shall include the potential of the property to generate revenues to enhance the management of the property provided that no lease, easement, or license for such revenue-generating use shall be entered into if the granting of such lease, easement or license would adversely affect the tax exemption of the interest on any revenue bonds issued to fund the acquisition of the affected lands from gross income for federal income tax purposes, pursuant to Internal Revenue Service regulations.	18-2.021 & 253.036	N/A
22	If the lead managing agency determines that timber resource management is not in conflict with the primary management objectives of the managed area, a component or section, prepared by a qualified professional forester, that assesses the feasibility of managing timber resources pursuant to section 253.036, F.S.	18-021	N/A
23	A statement regarding incompatible use in reference to Ch. 253.034(10).	253.034(10)	N/A

*The following taken from 253.034(10) is not a land management plan requirement; however, it should be considered when developing a land management plan: The following additional uses of conservation lands acquired pursuant to the Florida Forever program and other state-funded conservation land purchase programs shall be authorized, upon a finding by the Board of Trustees, if they meet the criteria specified in paragraphs (a)-(e): water resource development projects, water supply development projects, storm-water management projects, linear facilities and sustainable agriculture and forestry. Such additional uses are authorized where: (a) Not inconsistent with the management plan for such lands; (b) Compatible with the natural ecosystem and resource values of such lands; (c) The proposed use is appropriately located on such lands and where due consideration is given to the use of other available lands; (d) The using entity reasonably compensates the titleholder for such use based upon an appropriate measure of value; and (e) The use is consistent with the public interest.

Section C: Public Involvement Items

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
24	A statement concerning the extent of public involvement and local government participation in the development of the plan, if any.	18-2.021	Pg. 10-11
25	The management prospectus required pursuant to paragraph (9)(d) shall be available to the public for a period of 30 days prior to the public hearing.	259.032(10)	Pg. 10-11

Land Management Plan Compliance Checklist

26	LMPs and LMP updates for parcels over 160 acres shall be developed with input from an advisory group who must conduct at least one public hearing within the county in which the parcel or project is located. <i>Include the advisory group members and their affiliations, as well as the date and location of the advisory group meeting.</i>	259.032(10)	Pg. 10-11 & Exhibit I
27	Summary of comments and concerns expressed by the advisory group for parcels over 160 acres	18-2.021	Exhibit I
28	During plan development, at least one public hearing shall be held in each affected county. Notice of such public hearing shall be posted on the parcel or project designated for management, advertised in a paper of general circulation, and announced at a scheduled meeting of the local governing body before the actual public hearing. <i>Include a copy of each County's advertisements and announcements (meeting minutes will suffice to indicate an announcement) in the management plan.</i>	253.034(5) & 259.032(10)	Pg. 10-11 & Exhibit I
29	The manager shall consider the findings and recommendations of the land management review team in finalizing the required 10-year update of its management plan. <i>Include manager's replies to the team's findings and recommendations.</i>	259.036	N/A
30	Summary of comments and concerns expressed by the management review team, if required by Section 259.036, F.S.	18-2.021	N/A
31	If manager is not in agreement with the management review team's findings and recommendations in finalizing the required 10-year update of its management plan, the managing agency should explain why they disagree with the findings or recommendations.	259.036	N/A

Section D: Natural Resources

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
32	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding soil types. <i>Use brief descriptions and include USDA maps when available.</i>	18-2.021	Pg. 11-14
33	Insert FNAI based natural community maps when available.	ARC consensus	Exhibit K
34	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding outstanding native landscapes containing relatively unaltered flora, fauna and geological conditions.	18-2.021	Pg. 11-14
35	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding unique natural features and/or resources including but not limited to virgin timber stands, scenic vistas, natural rivers and streams, coral reefs, natural springs, caverns and large sinkholes.	18-2.018 & 18-2.021	Pg. 12
36	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding beaches and dunes.	18-2.021	Pg. 11-14
37	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding mineral resources, such as oil, gas and phosphate, etc.	18-2.018 & 18-2.021	Pg. 13
38	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding fish and wildlife, both game and non-game, and their habitat.	18-2.018 & 18-2.021	Pg. 11-14

Land Management Plan Compliance Checklist

39	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding State and Federally listed endangered or threatened species and their habitat.	18-2.021	Pg. 12-14
40	The identification or resources on the property that are listed in the Natural Areas Inventory. <i>Include letter from FNAI or consultant where appropriate.</i>	18-2.021	Exhibit K
41	Specific description of how the managing agency plans to identify, locate, protect and preserve or otherwise use fragile, nonrenewable natural and cultural resources.	259.032(10)	Pg. 12-13
42	Habitat Restoration and Improvement	259.032(10) & 253.034(5)	
42-A.	Describe management needs, problems and a desired outcome and the key management activities necessary to achieve the enhancement, protection and preservation of restored habitats and enhance the natural, historical and archeological resources and their values for which the lands were acquired.	↓	Pg. 14-15
42-B.	Provide a detailed description of both short (2-year planning period) and long-term (10-year planning period) management goals, and a priority schedule based on the purposes for which the lands were acquired and include a timeline for completion.		Pg. 14-15
42-C.	The associated measurable objectives to achieve the goals.		Pg. 15-16
42-D.	The related activities that are to be performed to meet the land management objectives and their associated measures. <i>Include fire management plans - they can be in plan body or an appendix.</i>		Pg. 14-15
42-E.	A detailed expense and manpower budget in order to provide a management tool that facilitates development of performance measures, including recommendations for cost-effective methods of accomplishing those activities.		Exhibit P
43	***Quantitative data description of the land regarding an inventory of forest and other natural resources and associated acreage. <i>See footnote.</i>	253.034(5)	Not Applicable
44	Sustainable Forest Management, including implementation of prescribed fire management		
44-A.	Management needs, problems and a desired outcome (see requirement for # 42-A).		N/A
44-B.	Detailed description of both short and long-term management goals (see requirement for # 42-B).		N/A
44-C.	Measurable objectives (see requirement for #42-C).		N/A
44-D.	Related activities (see requirement for #42-D).	18-2.021, 253.034(5) &	N/A
44-E.	Budgets (see requirement for #42-E).	259.032(10) ↓	N/A
45	Imperiled species, habitat maintenance, enhancement, restoration or population restoration	259.032(10) & 253.034(5)	
45-A.	Management needs, problems and a desired outcome (see requirement for # 42-A).	↓	Pg. 14-15 & Exhibit G
45-B.	Detailed description of both short and long-term management goals (see requirement for # 42-B).		Pg. 14-15
45-C.	Measurable objectives (see requirement for #42-C).		Pg. 14-15
45-D.	Related activities (see requirement for #42-D).		Pg. 14-15
45-E.	Budgets (see requirement for #42-E).		Exhibit P

Land Management Plan Compliance Checklist

46	***Quantitative data description of the land regarding an inventory of exotic and invasive plants and associated acreage. <i>See footnote.</i>	253.034(5)	Pg. 16
47	Place the Arthropod Control Plan in an appendix. If one does not exist, provide a statement as to what arrangement exists between the local mosquito control district and the management unit.	BOT requirement via lease language	Pg. 16
48	Exotic and invasive species maintenance and control	259.032(10) & 253.034(5)	
48-A.	Management needs, problems and a desired outcome (see requirement for # 42-A).	↓	Pg. 16 & Exhibit G
48-B.	Detailed description of both short and long-term management goals (see requirement for # 42-B).		Pg. 16 & Exhibit G
48-C.	Measurable objectives (see requirement for #42-C).		Pg. 16 & Exhibit G
48-D.	Related activities (see requirement for #42-D).		Pg. 16 & Exhibit G
48-E.	Budgets (see requirement for #42-E).		Exhibit P

Section E: Water Resources

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
49	A statement as to whether the property is within and/or adjacent to an aquatic preserve or a designated area of critical state concern or an area under study for such designation. <i>If yes, provide a list of the appropriate managing agencies that have been notified of the proposed plan.</i>	18-2.018 & 18-2.021	Pg. 16
50	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding water resources, including water classification for each water body and the identification of any such water body that is designated as an Outstanding Florida Water under Rule 62-302.700, F.A.C.	18-2.021	Pg. 16
51	Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding swamps, marshes and other wetlands.	18-2.021	Pg. 16
52	***Quantitative description of the land regarding an inventory of hydrological features and associated acreage. <i>See footnote.</i>	253.034(5)	N/A
53	Hydrological Preservation and Restoration	259.032(10) & 253.034(5)	
53-A.	Management needs, problems and a desired outcome (see requirement for # 42-A).	↓	N/A
53-B.	Detailed description of both short and long-term management goals (see requirement for # 42-B).		N/A
53-C.	Measurable objectives (see requirement for #42-C).		N/A
53-D.	Related activities (see requirement for #42-D).		N/A
53-E.	Budgets (see requirement for #42-E).		N/A

Section F: Historical, Archeological and Cultural Resources

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
--------	-------------	--------------	------------------------------

Land Management Plan Compliance Checklist

54	**Location and description of known and reasonably identifiable renewable and non-renewable resources of the property regarding archeological and historical resources. <i>Include maps of all cultural resources except Native American sites, unless such sites are major points of interest that are open to public visitation.</i>	18-2.018, 18-2.021 & per DHR's request	Pg. 16
55	***Quantitative data description of the land regarding an inventory of significant land, cultural or historical features and associated acreage.	253.034(5)	N/A
56	A description of actions the agency plans to take to locate and identify unknown resources such as surveys of unknown archeological and historical resources.	18-2.021	N/A
57	Cultural and Historical Resources	259.032(10) & 253.034(5)	
57-A.	Management needs, problems and a desired outcome (see requirement for # 42-A).	↓	N/A
57-B.	Detailed description of both short and long-term management goals (see requirement for # 42-B).		N/A
57-C.	Measurable objectives (see requirement for #42-C).		N/A
57-D.	Related activities (see requirement for #42-D).		N/A
57-E.	Budgets (see requirement for #42-E).		N/A

**While maps of Native American sites should not be included in the body of the management plan, the DSL urges each managing agency to provide such information to the Division of Historical Resources for inclusion in their proprietary database. This information should be available for access to new managers to assist them in developing, implementing and coordinating their management activities.

Section G: Facilities (Infrastructure, Access, Recreation)

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
58	***Quantitative data description of the land regarding an inventory of infrastructure and associated acreage. <i>See footnote.</i>	253.034(5)	Pg. 17-19
59	Capital Facilities and Infrastructure	259.032(10) & 253.034(5)	
59-A.	Management needs, problems and a desired outcome (see requirement for # 42-A).	↓	Pg. 17
59-B.	Detailed description of both short and long-term management goals (see requirement for # 42-B).		Pg. 17
59-C.	Measurable objectives (see requirement for #42-C).		Pg. 17
59-D.	Related activities (see requirement for #42-D).		Pg. 17
59-E.	Budgets (see requirement for #42-E).		Exhibit P
60	*** Quantitative data description of the land regarding an inventory of recreational facilities and associated acreage.	253.034(5)	Pg. 18-19
61	Public Access and Recreational Opportunities	259.032(10) & 253.034(5)	
61-A.	Management needs, problems and a desired outcome (see requirement for # 42-A).	↓	Pg. 18-19
61-B.	Detailed description of both short and long-term management goals (see requirement for # 42-B).		Pg. 18-19
61-C.	Measurable objectives (see requirement for #42-C).		Pg. 18-19
61-D.	Related activities (see requirement for #42-D).		Pg. 18-19
61-E.	Budgets (see requirement for #42-E).		Pg. 19 & Exhibit P

Section H: Other/ Managing Agency Tools

Item #	Requirement	Statute/Rule	Page Numbers and/or Appendix
--------	-------------	--------------	------------------------------

Section A: Acquisition Information Items

2. Common name of the Property:

Public sandy beach area adjacent to the City of Miami Beach, east of the ECL, from Government Cut Inlet north to 87th Terrace.

3. Ownership and management authority of the Property:

The Property was not acquired under a land acquisition program. Its management authority was transferred via a BMA by the TIITF for recreational and other related activities (**Exhibit A**).

Pursuant to Management Agreement No. 750-0006 (Reassigned Lease No. 3595), ownership of the Property is retained by the State of Florida, but the subject lands are managed by the City as a public beach area.

4. Purpose of Management Authority Transfer:

Per the BMA between the City of Miami Beach and the TIITF, the City requested the management authority of the Property for recreational and other related activities. The management responsibilities provided for in the agreement also include the construction and maintenance or supervision of the construction and maintenance of landscaping improvements; the construction and maintenance of the construction and maintenance of public amenities such as lighting, boardwalks, pedestrian and bicycle courses, seating appointments and other like structures; the prohibition of motorized vehicle access to the beach except at certain specific locations approved by the Florida Department of Environmental Protection (“FDEP”, formerly known as the Department of Natural Resources) and the City; and, the limitation and control of land and water-related activities such as boating, bathing, surfing, rental of beach equipment, and sale of goods and services of the public. The original agreement and renewal amendment are attached (**Exhibit A**).

5. Legal description of the Property:

The Property consists of those lands lying east of the ECL between Government Cut Inlet on the South and the northern boundary of the City of Miami Beach at 87th Terrace.

The Property includes approximately 20 additional acres of beachfront property, adjacent to the North Shore Open Space Park, which is located east of Collins Avenue, between 79th Street and 87th Terrace. At the inception of the BMA in 1982, this area was not included in the City’s authorized management area. At that time, the State owned and operated North Shore Open Space Park.

Pursuant to a subsequent request from the State, the City relinquished management authority over the area adjacent to the park, pursuant to City Commission Resolution No. 89-195887 in April 1989. In 1995 the City acquired the title to the park property from the State and now operates the area as a City park. Since the operational control of North Shore Open Space Park was transferred from the State to the City, the description of the Property managed pursuant to the BMA has been amended to

reflect a corresponding transfer of management authority over the beachfront area adjacent to the park.

6. Size of the Property:

The total acreage of State land managed by the City under the Agreement is approximately 220 acres consisting of approximately 7.1 miles of white, sandy beaches that vary from 0 to more than 200 feet in width depending on the season. A map showing the location and boundaries of the Property, including existing and proposed improvements is made a part hereof and attached hereto as **Exhibit B**.

The Property is a critical economic, recreational, environmental, and hurricane and erosion control asset for the City of Miami Beach, Miami-Dade County, and the State of Florida. The beaches in Miami Beach attract approximately 7 million overnight visitors last year which spent \$11.4 billion. Additionally, the beaches provide much needed protection against storm surge and the impacts of climate change. They are the first line of defense in protecting over \$30 billion in taxable property value in Miami Beach. As such, no part shall be declared surplus.

7. Significant State, local or federal land or water resources in the vicinity of the Property:

The Property consists entirely of artificially created or nourished beaches that were constructed between 1975 and 1980 by the U.S. Army Corps of Engineers (“USACE”) and FDEP as part of the Miami-Dade County Beach Erosion Control and Hurricane Protection Project. The project fortified the beaches using offshore sand with the goal of providing erosion control and storm protection to upland properties. No archaeological or historic sites or resources have been recorded within the subject property and the Florida Department of State Division of Historical Resources has determined that there is a low probability of significant, unrecorded sites being located within its limits. If any such resources are discovered within the Property, they will be managed in accordance with the State’s Management Procedures for Archaeological and Historic Sites and Properties on State-Owned or Controlled Lands.

The Property lies adjacent to the Atlantic Ocean, extending approximately 7.1 miles from the Government Cut Inlet north to 87th Terrace. The City of Miami Beach owns numerous parks and public access areas adjacent to the Property, including North Shore Open Space Park (27 acres), Lummus Park (26 acres) and South Pointe Park (17.5 acres).

Additionally, the Biscayne Bay Aquatic Preserve lies about one mile to the west, Everglades National Park lies approximately 56 miles southwest, and Biscayne National Park lies approximately 50 miles south of the Property. The Property subject to this management agreement does not share a direct boundary with any of these resources.

Section B: Use Items

8. Designated management use for the Property:

The City has managed and will continue to manage the Property as a public beach area for recreational uses, including bicycle and pedestrian trail facilities; beach concessions, including water sports and other traditional saltwater beach activities;

and, musical concerts and other special events as detailed below. Due to the economic importance of this use to the City, the County, and the State, no alternative uses have been considered for the Property by the City.

Bicycle and pedestrian trail facilities:

- 1) *Background:* Through the development of the Atlantic Greenway Network (the “Network”), the City of Miami Beach is creating a regional alternative transportation network which will interconnect key intermodal centers, area business districts, cultural/tourism centers, residential neighborhoods, parking facilities, parks, schools and the beaches (**Exhibit C**). The Network is comprised of a citywide system of bicycle and pedestrian accessways, enhanced public transit facilities, the development of an intermodal center and innovative regional parking improvement programs.
- 2) *Purpose:* The system of bicycle and pedestrian trails provides continuous, multi-purpose public access corridors throughout the City. The access corridors are being developed as Greenways or linear parks which wind their way along the City’s beaches, waterways and natural ecosystems with connections to residential areas, resort areas, business districts, civic centers, transit sites and parking facilities. Rest areas, vista areas, waterway access facilities, and interpretive signage are interspersed throughout the greenways to provide enhanced cultural and historical and ecotourism amenities and recreational opportunities for trail users. The connections between the trails, parks and beach access areas enhance public access to the beaches and encourage greater park-beach cross utilization. Seven regional parking facilities, as well as regional transit facilities will also be connected to the trail to help improve recreational access for residents and visitors.

The Network will also significantly enhance recreational facility access and provide an excellent alternative transportation network for persons with disabilities. All areas of the corridor network, as well as all of its connections to the existing streets, sidewalks, parks and parking facilities, will all be developed in full compliance with ADA guidelines.

- 3) *The Atlantic Corridor:* The Atlantic Corridor is the coastal corridor portion of the Network that is currently under development along the City’s beachfront area, adjacent to and within the subject property. These beachfront trails are designed as on-grade paved pathways along the dunes, with native landscaping, shade canopy areas, and turtle-friendly lighting. Rest and vista areas are interspersed along the trails to provide enhanced amenities for trail users. The native dune and coastal hammock ecosystems, which exist adjacent to the trail, are restored and enhanced throughout the project area during the construction phase of each project. The meandering trails through these restored natural areas provide an "outdoor classroom" that is highly conducive to the exploration and understanding of the barrier island ecosystems indigenous to Miami Beach.

Once completed, the Atlantic Corridor, also known as the Beachwalk Projects, will connect the southern tip of Miami Beach at Government Cut Inlet to the City’s northern boundary at 87th Street (**Exhibit C**). These projects vary slightly

depending on site-specific conditions but consist of a shared scope of work: 1) removal of dune vegetation, fences and portions of dune walk-overs; 2) grading and filling of trail area; 3) installation of a new paverstone walkway; 4) installation of a new turtle-friendly lighting system; and, 5) installation of native landscaping. The beachwalk segments that have been completed to date run from Government Cut to 3rd Street, from 5th Street to 23rd Street, and from 64th Street to 79th Street. The remaining segments, except for those along the boardwalk, are currently in the design phase and are anticipated to complete construction in the next five years. The boardwalk segment was recently approved by the City Commission for removal and replacement with a beachwalk. Design is anticipated to begin in FY 2016/17.

- 4) *Permitting*: The Beachwalk Projects are all located east of the Coastal Construction Control Line (“the CCCL”). As such, each project must receive a CCCL permit from FDEP’s Division of Beaches and Coastal Systems before it can begin construction.
- 5) *Status*: Since the submission of the 2005 iteration of the Beachfront Management Plan, the City has made significant progress with the development of an ADA-accessible bicycle and pedestrian trail system along the eastern Miami Beach coast, a management area identified in the BMA. The City has substantially invested in the development of the Atlantic Corridor including the acquisition of more than \$50 million in project funding to date. The City anticipates about \$30 million will be invested for the pending beachwalk projects as detailed in the 10-Year Budget Projection (Exhibit P).

Beach concessions:

- 1) *Types*: The City issues three types of permits for beachfront concessions, as follows:
 - a. **Food and non-alcoholic beverages**: Cooking and heating is only permitted in five grandfathered food trailers.
 - b. **Beach equipment rentals**: Permitted beach equipment includes lounge chairs, umbrellas, sun canopies, beach beds, side tables, snorkeling equipment, personal floatation devices, and other miscellaneous beach equipment.
 - c. **Watersports equipment rentals**: Permitted watersports equipment includes kayaks, jet skis, banana boats, and parasailing for concessions that have an existing permitted watersport concession water channel granting safe access from the beach to the open water. The following table lists the access point, location, status, and operator of the watersport concession channels permitted as of January 2015:

City of Miami Beach Watersport Concession Water Channels (As of January 2015)		
<i>Location</i>	<i>Status</i>	<i>Operator</i>
9 th Street/Lummus	Active	Boucher Brothers

16 th Street/Loews	Active	Boucher Brothers
20 th Street/Setai	Active	Beach Resort Services
22 nd Street/W Hotel	Active	Boucher Brothers
43 rd Street/Four Points Sheraton	Active	Beachsports Shawnee
44 th Street/Fontainebleau	Active	Boucher Brothers
45 th Street/Eden Roc	Active	Boucher Brothers
48 th Street/Miami Beach Resort & Spa	Active	Boucher Brothers
52 nd Street/Alexander	Active	Playtime Water Sports, Inc.
87 th Street/Howard Johnson	Inactive	N/A

- 2) *Rules and Regulations:* The City permits and oversees beach concession operations adjacent to private and public upland properties as approved by the FDEP's Division of Beaches and Coastal Systems and pursuant to the City's Concession Operations Rules & Regulations (**Exhibit D**). It must be noted that this document is currently under review by the City's Neighborhood/Community Affairs Committee and will be submitted for the State's review and approval for amendment into this plan once the document is approved by the City Commission. Public concessions are governed by the provisions and requirements of their individual contracts with the City.
- 3) *Permits and Fees – Private Concessions:* Last Fiscal Year the City issued 66 private beachfront concession permits. Of these, there were 52 commercial permits and 14 non-commercial permits. The City collected approximately \$305,000 in fees from the issued commercial permits. The City does not charge fees for the non-commercial permits.
- 4) *Permits and Fees – Public Concessions:* The City also collects fees generated from three public concession contracts based on a percentage of gross sales. Last Fiscal Year the City collected approximately \$1.2 million from these contracts combined.

Special events:

- 1) *Types and Locations:* The City of Miami Beach hosts numerous and varied special events each year. Past special event permits have been issued for festivals, concerts, athletic events (runs, triathlons, volleyball tournaments, etc.), and corporate events (dinners and parties). Notable annual events seaward of the dune include the South Beach Wine & Food Festival, the Miami Beach Polo World Cup, Art Basel and related satellite fairs, White Party, Winter Party, the Dolphins Cycling Challenge, the South Beach Triathlon and the occasional corporate dinner associated with hotel or Convention Center business. Recent new requests have included the Longines Global Championship Equestrian Tour and Mercedes Benz Swimwear Fashion event, as well as the City's Centennial Celebration. Generally, these special events are held at Lummus Park (between 5th Street and 14th Place) or at 21st Street, but they are occasionally held in other areas of the beach, including Mid Beach at 46th Street, North Beach at 73rd Street, and North Shore Open Space Park (between 79th and 85th Streets), as well as east of popular hotels.

- 2) *Approvals*: The City may issue special event approvals via an Area Wide Permit, field permits, or other similar permits received from FDEP's Division of Beaches and Coastal Systems. Area Wide Permits give the City the authority to approve special events locally as long as the event is in compliance with FDEP regulations. If a special event requires a variance to FDEP regulations and/or if additional approvals are required, the City provides additional information FDEP for their review and final decision, which may be subject to additional restrictions. More commonly, when an Area Wide permit is not in effect, the City submits special events proposed east of the CCCL to FDEP's Division of Beaches and Coastal Systems for review and approval as part of the CCCL or field permitting process. Under both conditions, the City schedules regular meetings with local State officials to maintain open communication regarding special event permit approvals.
 - 3) *Permitting process*: **Exhibit E** details the application requirements and deadlines of the special event permitting process. All special event permit applications, whether they are or are not requesting permission to use the Property, are received and reviewed on a first-come, first-serve basis. Last Fiscal Year, the City issued 267 special event permits.
 - 4) *Fees*: Last Fiscal Year the City collected just under \$1.5 million in special event permit fees, not including the 7% State sales tax and the 25% remitted to the State pursuant to the BMA.
9. Description of the management responsibilities associated with the Property:

City of Miami Beach

The City of Miami Beach is the lead managing agency for the Property and is responsible for reviewing, approving, and overseeing the compliance of beach concession operations, special events, and other permitted activities that take place on the Property. The City is also responsible for repairing and maintaining beach equipment installed by the City, including dune rope and post, sand fencing, lifeguard stands, signage, swim ropes, and other similar items.

Miami-Dade County

Miami-Dade County provides support with beach maintenance and is responsible for daily sand sifting, litter clean-up on the beach and in dunes, waste management, and other similar maintenance activities on the Property. As an exception, the City's Sanitation Division is responsible for waste management on the west end of beach entrances and for the cleanliness of the dunes in areas adjacent to completed beachwalk projects. Miami-Dade County's beach operation responsibilities also include turning the seaweed accumulated along the wrack line back into the sand on a regular basis with a blade truck. On instances of higher than normal seaweed accumulation as seen usually in the summer months, this responsibility may also include removal of seaweed from the wrack line where the City determines that the wrack line impedes the public's access to and enjoyment of the Property.

The Division of Environmental Resources Management (“DERM”) of Miami-Dade County’s Department of Regulatory of Economic Resources works with the USACE and the City to periodically renourish the Miami-Dade County Beach Erosion Control and Hurricane Protection Project area beaches and has historically funded these projects through a cost-share comprised of 50% Federal funds, 25% State funds and 25% Miami-Dade County funds.

State of Florida

Pursuant to Rule 16B-33, FDEP’s Division of Beaches and Coastal Systems is responsible for permitting all temporary and permanent construction on the Property, including construction of the beachwalk projects, restoration of the dune system, placement or movement of sand east of the CCCL, and other similar activities. They are also responsible for reviewing and approving special events that require a variance to FDEP regulations and/or require additional approvals under an Area Wide Permit or that require approval when an Area Wide Permit is not in effect.

10. Analysis of the potential use of other land managers, including private managers:

The City, in collaboration with the County, the State, and the Federal governments, is best suited as the sole manager of the Property because it understands the needs of the Property’s various stakeholders and has, over its time as the sole managing agency, developed a process for properly balancing these stakeholder needs. As such, the City has determined that the use of other land managers, particularly private land managers who may have special interests, would not be beneficial to facilitate the restoration or management of the Property.

11. Determination of public uses and public access consistent with the acquisition requirements of the Property:

The City obtained management authority over the Property to continue, promote and enhance public access, as well as its use as a public beach area. The City currently maintains approximately 150 public beach accesses and has beach regulations in place to promote a “balanced public utilization”. These uses are consistent with the requirements set forth in the 1981 State Lands Management Plan and other legislative and executive directives that constrain the use of the Property.

The City’s Planning Department has reviewed the proposed management plan and has issued a letter stating that the use of the Property is in compliance with the City of Miami Beach Comprehensive Plan (**Exhibit F**). Additionally, the City has reviewed the planned uses of the Property and has determined that they will have minimal impact on the renewable and non-renewable resources of the Property. Specific management actions that have or will be taken to protect, enhance and conserve these resources and to mitigate damage caused by such uses includes:

- 1) Continued development of the Atlantic Greenway Network projects. According to the State of Florida’s published Greenways and Trails Plan entitled *Connecting Florida’s Communities with Greenways and Trails*, greenways and trails can provide significant ecological, economic and social benefits for Florida. “By helping to conserve linked native ecosystems and landscapes, greenways can be an

important component of a statewide, regional or local conservation strategy.” The Network is an important element of City’s local conservation strategy. Through the development of the system of bicycle and pedestrian access trails along the entire length of Miami Beach, the City will direct public access along and across the sand dunes through controlled access points and will protect this fragile, native ecosystem.

- 2) Continued restoration and enhancement of the City’s dune system. In the mid-1980s, through the acquisition of a state grant, FDEP and Miami Dade County rebuilt the levee constructed by the Miami-Dade County Beach Erosion Control and Hurricane Protection Project and fortified it with dune vegetation. The project created a 20 feet to 50 feet wide dune at elevations between 8 feet and 11 feet National Geodetic Vertical Datum (“NGVD”). Over time, the dune has grown naturally between 50 feet and 100 feet wide and between 7 feet to 19 feet NGVD. However, due to minimal maintenance, the system also became overgrown with non-native, invasive vegetation.

In FY 2013/14, the City allocated a total of \$300,000 in Quality of Life funds for a citywide Dune Restoration and Enhancement Program. Under the program, the City’s North, Middle and South Beach districts were allocated approximately \$100,000 each for dune restoration efforts, including the removal of non-native, invasive plant species such as *Scaevola taccada* and *Casuarina equisetifolia*; the replanting of cleared areas with native species; the selective trimming of native vegetation; the demolition of remaining wooden dune crossovers; the replacement of protective fencing adjacent to the dunes; and, the installation of educational signage. These dune restoration activities were conducted under CCCL program field permits and in accordance with the City’s dune management plan (**Exhibit G**). Once restored, the dune areas are placed on on-going maintenance as detailed in the dune management plan.

- 3) Continued renourishment of the City’s beaches. In the mid-1970s, the USACE and Miami-Dade County entered into a 50-year contract for the joint management of the County’s sandy beaches leading to the Miami-Dade County Beach Erosion Control and Hurricane Protection Project in the late 1970s. The nourished beach was a tremendous success and contributed significantly to the resurgence of the local economy. Not only has it provided critical storm protection and erosion control as designed, but it has also provided environmental, recreational and economic benefits to the City, the region, and the State.

Historically, the USACE and Miami-Dade County have re-nourished the City’s beaches by pumping or hydraulically dredging from deposits of sand about a mile off our coast. However, the re-nourished beaches are subjected to the same erosional forces that depleted the original beaches and have therefore had to be continuously re-nourished since 1980. The original beach construction and the subsequent renourishment projects exhausted the offshore deposits of sand which have traditionally been the source for renourishment projects until 2012.

Faced with a continuing need to maintain our beaches and an exhausted supply of

sand, the City continues to work closely with Miami-Dade County and the USACE to develop long-term solutions to the beach erosion problem. One such effort is the USACE's Sediment Assessment Needs Determination ("SAND") study which evaluated the area's sand needs and the available sand sources that can meet those needs. Per the results of the SAND Study's volume assessment, the USACE estimates that beaches in Miami-Dade County will need approximately 23.2 million cubic yards of sand to support the area's renourishment projects for the next 50 years. As part of this report, the USACE provided a list of potentially viable domestic sand sources. The next renourishment project scheduled for 2016 will utilize inland sources of sand.

The City is working with Miami-Dade County to explore sustainable sand options that can be used for future emergency and non-emergency beach renourishment projects. One option that has been discussed is the use of excess beach-compatible material from upland properties that are under construction. The City is in the process of developing an ordinance, in coordination with Miami-Dade County, that will ensure any sand that is approved for placement east of the ECL is not only beach compatible, but also free of debris, pollutants, and other potential hazards. Once accepted by the City, the sand will also require approval from FDEP's Division of Beaches and Coastal Systems. Another potential option for hotspot areas, including the vicinity of 46 Street, 53 Street, 64 Street, 69 Street and 87 Street, is for the County to purchase sand from non-domestic sources such as the Bahamas and cost share this expense with the City and private beachfront properties. At this time, the USACE is not considering non-domestic borrow sources because the Water Resources Development Act of 1987 and the Energy and Appropriations Bill ("H8842") of 1999 prevents the acquisition of foreign sources of sand for Federally-funded projects.

Another collaborative effort between these agencies involves the search for new technologies which will slow down or stop the beach erosion process, thereby reducing the demand for replacement sand. These efforts have been on-going since the mid-1990s when Miami-Dade County commission studies to examine the regional coastal sand resources and address concerns over beach erosion identified at several erosional hotspots. One hotspot in particular on 32nd Street exhibited the highest shoreline recession rates in the county. It was found to be responsible for the loss of more than 120,000 cubic yards of sand each year and in turn was accelerating the erosion of the beach for as much as a mile to the north. Analysis of the study data indicated breakwater-type structures could be designed, which would significantly reduce the rate of erosion within these hot spot areas and help stabilize large sections of our beach.

The City, in collaboration with the County and State, designed a series of three breakwater structures to redirect wave energies to eliminate the hot spot. The breakwater structures were built from intermeshed native coral rock boulders and ballast rock. The area between the former waterline and the new breakwaters was filled with 125,000 cubic yards of sand that was brought up from Lummus Park. It should be noted that since the breakwater installation in 2001 there has been a substantial erosion of sand south of the structures with a corresponding increase in

sand volume to the north. Additionally, the area south of the breakwater experiences higher than normal accumulation of seaweed, especially during periods of high wind and tidal activity.

The 32nd Street breakwater project was the first phase in a larger effort to reduce erosion rates Citywide. The City continues to work with the USACE and Miami-Dade County to identify, fund, and implement similar projects in other identified erosional hotspots. Most recently, the USACE designed a breakwater project using reef balls at 64th Street that cannot move forward because it is pending authorization from the USACE headquarters.

In July 2015, the Mayor of Miami Beach joined forces with other coastal mayors in Miami-Dade County to request that the County allocate sufficient funding and resources toward combating local beach erosion issues. Solutions that were mentioned by the Mayor Beach Alliance in their letter to the County Mayor include the implementation of continued renourishment projects, as well as the identification and implementation of long-term solutions such as breakwater structures.

- 4) Continued environmental education and outreach. The City educates the community through various mediums on the native flora and fauna and provides best practices through which residents and visitors can help the City protect these resources. These mediums include the City's local television channel MBTV, MB Magazine, social media, educational signage along the Atlantic Corridor, and educational brochures.
- 5) Continued support of Miami-Dade County's Sea Turtle Conservation Program. The City of Miami Beach makes a concerted effort to protect the sea turtles that nest on our beaches, including their nests and hatchlings, by supporting and working collaboratively with Miami-Dade County's Sea Turtle Conservation Program. As part of this program, the County conducts daily inspections throughout the beachfront area in Miami-Dade County from Key Biscayne to Golden Beach. During nesting season, County staff identifies, monitors, and protects sea turtle nests before allowing beach operations and activities to begin for the day. All identified sea turtle nests within Miami Beach are marked and surrounded by customized caution tape, signaling to the public to stay at least 10 feet away. The majority of nests remain *in situ* but, at the discretion of experts from Miami-Dade County, nests considered to be in danger from inundation are carefully relocated within the first 24 hours to nearby Haulover Beach Park, a Miami-Dade Heritage Park. Relocated nests are closely monitored throughout the incubation period and are inventoried after hatching. In addition to these responsibilities, County staff also keeps records of disorientations and other sea turtle related incidents for the area **(Exhibit H)**.

Chapter 46 of the City Code augments the efforts of the Sea Turtle Conservation Program by reducing the impacts of artificial coastal lighting on the sea turtles that nest on our beaches. The provisions of the City's ordinance restrict artificial lighting and other activities that have the potential to disorient hatchlings, causing them to

crawl toward land rather than toward the ocean. The City reviews all plans for construction proposed east of the CCCL for proof of FDEP and Florida Fish and Wildlife Conservation Commission (“FWC”) review and approval.

- 6) Continued beach maintenance program. Beach maintenance throughout the subject property is performed by the Miami-Dade County Beach Operations. The County’s beach cleaning and maintenance services are performed in accordance with the Beach Cleaning Operations Permit approved by FDEP and FWC. The cleanliness of the beach is measured using the City’s Public Area Cleanliness Index, through which beach cleanliness is given a Quarterly and Yearly score used to direct County efforts toward improving their maintenance functions and making the beach area cleaner. Daily, Miami-Dade County sifts the beach, deploys litter crews, and turns in or remove seaweed from the wrack line as needed to protect the public’s access and enjoyment of the Property. Beach maintenance best management practices do not allow for private sifting or regular removal of seaweed. On instances of higher than normal seaweed accumulation as seen usually in the summer months, this responsibility may also include removal of seaweed from the wrack line where the City determines that the wrack line impedes the public’s access to and enjoyment of the Property.

Section C: Public Involvement Items

12. Public involvement and local government participation:

This updated Beachfront Management Plan was prepared with the assistance of and input from City’s Marine and Waterfront Protection Authority Board, local beach and dune experts, staff from Miami-Dade County’s Beach Renourishment and Beach Operations programs, staff from FDEP’s Division of Beaches and Coastal Systems, and staff from the City of Miami Beach Environment and Sustainability Division, Tourism, Cultural and Economic Development Department, and Planning Department. The elements incorporated herein were also considered and approved by the Mayor and City Commission of the City of Miami Beach at regularly scheduled public meetings. Additionally, and in accordance with Florida Statutes, input was received and considered by an ad-hoc advisory group comprised of community stakeholders who reviewed the proposed plan and provided input for same. Per Section 259.032, Florida Statutes, members of the ad-hoc advisory group included the following representatives appointed by the Mayor and City Commission:

- Representing the City of Miami Beach, the lead managing agency:
Max Sklar, Tourism Cultural and Economic Development Director
Elizabeth Wheaton, Assistant Building Director, Environment and Sustainability Division
Vincent Canosa, Ocean Rescue Division Chief
- Representing a local elected official:
Commissioner Michael Grieco
- Representing Miami-Dade County, a co-managing agency:
Sean Leather, Miami-Dade County Beach Operations

Lisa Spadafina, Miami-Dade County Division of Environmental Resources Management

- Representing the State, a co-managing agency:
Christian Lambright, Coastal Construction Control Line Program
- Representing the Local Private Property Owners:
Steve Vincenti, City of Miami Beach Sustainability Committee Member
Captain Dan Kipnis, City of Miami Beach Marine and Waterfront Protection Authority Chairman
Steven Boucher, Boucher Brothers Concessions
- Representing a local conservation organization:
Greg Guannel, The Nature Conservancy

The ad-hoc advisory group met and held a public hearing on Tuesday, August 18, 2015 at 9 a.m. in the City Manager's Large Conference Room at 1700 Convention Center Drive, Miami Beach, Florida 33139. As required by paragraph (9)(d), the management prospectus was available for review in the City Clerk's Office for a period of 30 days prior to the public hearing. The public meeting of the ad-hoc advisory group was noticed through the following means:

- 1) Posted on signs appended to every lifeguard stand within the Property;
- 2) Advertised in the Miami Herald, Beach Neighbors Section on July 18, 2015; and,
- 3) Announced at the July 8, 2015 Miami Beach City Commission meeting.

Summary minutes of the ad-hoc advisory group's August 18, 2015 public meeting, including the comments and concerns received during the public and local government involvement process, are attached hereto as **Exhibit I**.

Section D: Natural Resources

13. Identifiable renewable and non-renewable resources of the Property:

The Property provides a public recreational use, storm protection, erosion control, and ecological habitat. City staff works collaboratively with local and regional partners to regularly monitor, maintain, and enhance the Property, as well as the following renewable and non-renewable resources located therein:

Soil:

The subject property is located along the eastern (seaward) shore of a coastal barrier island. The soils consist of a veneer of unconsolidated, medium-grained, light gray to golden brown sand (90% carbonate shell and limestone fragments, 10% quartz) 40 to 60 feet thick, over-laying an oolitic limestone formation that extends to a depth of approximately 150 feet below the surface. Due to the long shore currents and natural erosion, the sand located within the subject property is non-renewable. **Exhibit J** includes the U.S. Department of Agriculture soil information survey for the management area.

Florida Natural Areas Inventory:

Exhibit K shows the FNAI-based natural community maps for the management area. Per the letter provided by the FNAI, there are no resources identified on the Property.

Outstanding native landscapes:

Native vegetation located within the Property is limited to the native dune species planted on the storm protection berm along the western boundary of the beach and include sea oats, sea grapes, railroad vine, saw palmetto and other species listed in the City’s Dune Management Plan (**Exhibit G**). The City works closely with conservation organizations, such as The Nature Conservancy, Fairchild Tropical Botanic Gardens, and the Institute for Regional Conservation, as well as the consultants retained for the coastal corridor projects to survey the dune areas and identify opportunities to improve the health and prevalence of native vegetation, particularly listed species.

Unique natural features:

No unique natural features have been recorded within the Property.

Beach and dune system:

Nourished beaches composed of beach compatible fill as defined by 161.053 F.S., are present throughout the subject property. A storm protection berm or dune planted with native vegetation occurs along the western boundary of the Property and is protected by sand fencing and rope and post. The beaches and dunes are subject to erosive forces that contribute to the constant need for renourishment. The City monitors the width of the beaches, particularly in “hot spot” areas which see a higher rate of erosion than other locations, on a monthly basis. The City’s known hot spots are shown in **Exhibit L**.

Mineral resources (i.e., oil, gas, phosphate):

No mineral resources such as oil, gas and phosphate have been recorded within the subject property.

Fish and wildlife:

Within the Property, the beach and dune habitat supports diverse assemblages of local and migratory birds, reptiles, and invertebrate species. Four species of endangered and threatened sea turtles, the Loggerhead, Green, Leatherback and Hawksbill sea turtles, nest on the Property from April through early November. During sea turtle nesting season, Miami-Dade County’s Sea Turtle Conservation Program surveys the beaches and marks new nests before regular beach operations are allowed to begin.

Exhibit K shows the eleven (11) species of particular concern that the Florida Natural Areas Inventory (FNAI) has recorded in the general area of the Property:

- 1) *Caretta caretta*, *Chelonia mydas*, *Dermochelys coriacea*, and *Eretmochelys imbricata*: The habitat ranges for the Loggerhead (federally threatened), Green (federally endangered), Leatherback (federally endangered), and Hawksbill

(federally endangered) sea turtles include Florida's Atlantic coast. They use the sandy beaches within the Property for nesting.

The City of Miami Beach makes a concerted effort to protect all sea turtles, their nests and hatchlings within the Property by supporting the efforts of Miami-Dade County's Sea Turtle Conservation Program. These efforts include daily inspections of the Property during nesting season to identify, monitor, protect, and mark sea turtle nests. Additionally, the City has a nesting sea turtle protection ordinance to reduce the impacts of artificial lighting on sea turtles that nest on our beaches and their hatchlings.

- 2) *Trichechus manatus*: The West Indian manatee is found along the southeastern coast of Florida within the protected waters of Biscayne Bay, the City's waterways, and the Atlantic Ocean adjacent to the Property. Their migration near the Property occurs primarily in the spring and fall. The use of the Property is not expected to have any impact on the West Indian manatee. Accordingly, no special treatments or activities are contemplated in connection with this species of special concern.
- 3) *Halophila johnsonii*: Johnson's Seagrass occurs in the Biscayne Bay estuary, which is located along the western coast of the City. The closest recorded occurrence of this species lies approximately two (2) miles west of the Property. The use of the Property is not expected to have any impact on any Johnson's Seagrass. Accordingly, no special treatments or activities are contemplated in connection with this species of special concern.
- 4) *Haliaeetus leucocephalus*: There have been no reported sightings of bald eagles in Miami Beach since Hurricane Andrew destroyed the Australian pines, an exotic nuisance species that a few eagles utilized during the winter migratory stays, along the Property. The Property is a habitat area for other local and migratory birds including gulls, terns, egrets, and sandpipers. The Florida Fish & Wildlife Conservation Commission's Bureau of Protected Species Management is the agency which monitors wildlife migrations in Florida.
- 5) *Jacquemontia reclinata*: The beach cluster vine is a federally listed endangered species that grows within the dune system within the subject property. Restoration efforts conducted by both the City and outside organizations have helped to restore over 6.6 acres of habitat, and have successfully reintroduced the beach cluster vine back into the system.
- 6) *Coccoloba uvifera*: Sea grapes grow throughout the Property within the dune system. Sea grapes are protected and maintained in accordance with the provisions of the City's Dune Management Plan (**Exhibit G**).
- 7) *Uniola paniculata*: Sea oats are a native dune vegetative grass that helps to stabilize sand and strengthen the protective storm berm. Sea oats are protected under state law, and per FDEP regulations, sea oat seeds cannot be collected without a permit and the plants cannot be cut back or removed.

- 8) *Serenoa repens*: Saw palmettos were naturally found in the City's dune system. The City is promoting the re-introduction of this species and its protection per the provisions of the City's Dune Management Plan (**Exhibit G**). Trimming of the saw palmetto is regulated under the State.

14. Habitat restoration and enhancement concerns and response:

The City of Miami Beach works with Miami-Dade County to restore and enhance existing habitat within the Property. Management activities across the City and the County are coordinated by the City's Environment and Sustainability staff which has an estimated annual operating budget of \$800,000. Other City Departments that are involved in managing the Property, such as the Property Management Department, the Tourism, Cultural, and Economic Development Department, and the Sanitation Division, perform their management duties as part of their division operations. The City spends an estimated \$212 million in beach management and beach-related activities. Additionally, Miami-Dade County's Beach Operations spends approximately \$2 million in beach maintenance activities in Miami Beach, not including the cost of beach renourishment or other related projects which vary annually.

The City's management goals are associated with the following challenges prioritized in the order in which they are listed:

Beach erosion:

- 1) *Concern*: Seasonal conditions and threats from natural phenomena, e.g. hurricanes and storm surge, contribute to erosion of the beach and dune system.
- 2) *Key management activities*: Work with the County, State, and Federal governments to identify, permit, and use sustainable sources of sand, as well as allocate funding to continue beach renourishment activities and find long-term solutions for erosional hot spots.
- 3) *Desired outcome*: Maintain healthy beach width that allows for recreation, habitat and erosion control through continued nourishment, use of breakwaters or natural accretion.
- 4) *Timeframe*: Short-term (2-year planning period) the City is working with Miami-Dade County to look for and identify viable domestic and non-domestic sand sources to conduct the next large-scale beach renourishment project. Additionally, the City has proactively developed the City's Dune Management Plan to improve the stability of the sand accreting within the beach and dune system. In 2013, the City hired a full-time beach monitor, who among other closely monitors changes in the width of erosional hotspots through monthly inspections. Additionally, on July 9, 2015, the Mayor joined forces with other coastal mayors in Miami-Dade County to tackle beach erosion issues and urge local government partners to allocate funding and resources toward facing this challenge. Long-term (10-year planning period) goals include identifying a sustainable source of funding and of fill to conduct beach renourishment projects into the future.
- 5) *Measurable objectives*: An annual net increase in beach width at the City's hot spots.

Beach cleanliness:

- 1) *Concern*: Incoming tides and public uses can degrade the cleanliness of the beach.

- 2) *Key management activities:* Miami-Dade County Beach Operations has trash and recycling bins installed at regular intervals throughout the beach. Additionally, Miami-Dade County sifts the sand regularly and deploys litter crews to remove litter from the sand. The City also has litter crews that conduct daily clean-up of litter in the dunes and along the coastal pathways. These efforts are supplemented by beach concessionaires that are required to clean their respective areas before and after their daily operations and by volunteer beach clean-ups that engage the public, including an Adopt-A-Beach Program.
- 3) *Desired outcome:* Improved cleanliness of the beach and dunes, as well as reduced generation of marine debris.
- 4) *Timeframe:* Short-term the City is working with Miami-Dade County to refine sand sifting and litter crew standard operating procedures and to improve enhance the County's efforts. In July 2015, the City created a Beach Maintenance Director position to oversee beach operations more closely and improve the cleanliness of the City's beaches. Additionally, the City is in the process of developing an anti-litter educational campaign that specifically targets beach litter. Long-term goals include reviewing and revising the beach cleanliness program annually to meet changing conditions and an increased volume of beach visitors.
- 5) *Measurable objectives:* A score of 2 or lower in the City's quarterly cleanliness assessment for beach areas.

Dune maintenance:

- 1) *Concern:* Homeless activity, lack of maintenance, and non-native invasive vegetation threaten the stability of the dune system in certain areas of the Property.
- 2) *Key management activities:* Installation of rope and post and sand fencing around the dune system to prevent trespassing, installation of signage warning the public to stay out of the dunes, dune restoration and enhancement projects, and volunteer dune restorations.
- 3) *Desired outcome:* Improved dune health leading to greater dune stability manifested by increased dune height, width, and vegetative cover.
- 4) *Timeframe:* Short-term the City has developed a dune management plan that includes large scale non-native invasive species removal, replanting with native species, selective trimming of native vegetation, maintenance specifications for rope and post and sand fencing, and other best management practices. Additionally, the City has installed signage and conducts regular education and outreach to promote community stewardship and understanding of the dunes. Furthermore, the City's Homeless Outreach Team will continue to post and subsequently close any homeless encampments in the dunes. Long-term goals include replacing all sand fencing with dune rope and post and replacing existing dune signage to improve enforcement of dune trespassing violations.
- 5) *Measurable objectives:* A net increase in native vegetation and decrease in non-native, invasive vegetation in the City's dune system. Additionally, a net increase in species of concern.

15. Arthropod Control Plan:

The City does not have its own Arthropod Control Plan. Rather, the City residents refer mosquito complaints to the County's Mosquito Control District who responds to

complaints with truck spraying, aerial spraying or by site inspections, depending upon the location and the season of the year.

16. Exotic and invasive species maintenance and control

Inventory

After the 2014 citywide dune restoration and enhancement project, the City has approximately 50 acres of non-native, invasive vegetation, comprised primarily of *Scaevola taccada*, remaining in the Property. The non-native, invasive vegetation is concentrated between 3rd Street and 14th Court (South Beach) and between 46th Street and 64th Street (Middle Beach) adjacent to pending segments of the Atlantic Corridor or areas designated for volunteer dune restoration events. The areas in South Beach will be fully restored using a combination of volunteer and contractor-led projects. The areas in Middle Beach will be fully restored during the construction of the Middle Beach Recreational Corridor beachwalk project.

Management

The City's management strategy, including exotic and invasive species maintenance and control protocol, are delineated in the City's Dune Management Plan (**Exhibit G**).

Section E: Water Resources

17. Water resources located in the Property:

The waters of the Atlantic Ocean, which lies along the eastern boundary of the subject property, are classified as Class III. The groundwater/aquifer beneath the Property is classified as GIII water. There are no other water bodies or water resources within the Property. The Property is not located within an aquatic preserve or designated area of critical State concern, nor is it being considered for such designation. No Outstanding Florida Water designations apply to the Property. Additionally, there are no swamps, marshes or other wetlands located within the subject property. As such, hydrological preservation and restoration is not a component of this management plan.

Section F: Historical, Archeological and Cultural Resources

18. Renewable and non-renewable resources of the Property regarding archeological and historical resources:

The City is required to consult with the Department of State's Division of Historical Resources before taking actions that may adversely affect archaeological or historical resources. No archaeological or historic sites or resources have been recorded within the subject property and the Florida Department of State, Division of Historical Resources has determined that there is a low probability of significant, unrecorded sites being located within it.

Section G: Facilities (Infrastructure, Access, Recreation)

19. Inventory of infrastructure and associated acreage:

Infrastructure within the Property is limited to the estimated 8,500 linear feet of completed beachwalk projects described in Section B, Part 6 and shown in **Exhibit C**.

The management of these pathways involves property management inspections and repairs, which are conducted regularly by City staff. Additionally, the pathways require daily litter control operations with a three to seven man crew depending on the amount of traffic at each location. For example, the beachwalk from Government Cut to 14th Terrace sees the highest amount of traffic because it is located in a highly visited tourist area so it requires a seven man crew to service it seven days a week night and day. Conversely, the North Beach Recreational Corridor is located in a less trafficked residential area and only requires a five man crew seven days a week to provide the same level of service. Like the beach, cleanliness of the beachwalk system is also measured using the City's Public Area Cleanliness Index, through which beach cleanliness is given a Quarterly and Yearly score used to direct City efforts toward improving maintenance functions in problem areas and making the beachwalk areas cleaner.

Short-term the City will continue to evaluate its quarterly cleanliness assessment scores to determine whether additional litter crews or schedule refinements are required. Additionally, City staff reviews and responds to customer service requests daily. The newly created Beach Maintenance Director position created in July 2015 will oversee beach operations, including maintenance of the coastal pathways, more closely to improve their cleanliness and condition. Long-term goals include reviewing and revising the beach cleanliness program annually to meet changing conditions and an increased volume of beach visitors. The need for changes in this program is determined based on the City's quarterly cleanliness assessment for beachwalk which cannot exceed a score of 2.

In the future, the City has plans to construct additional infrastructure adjacent to the Property, including a potential project to install adaptive and inclusive playground equipment east of the CCCL, within Allison Park at 64th Street. An adaptive playground will provide children with sensory, cognitive and/or physical challenges with the ability to have full access to the same playground equipment as other children. An inclusive playground is designed to specifically ensure that children of multiple abilities can play together—not just alongside each other.

While the playground has not yet been designed, there are many elements that can be incorporated into the design of a playground including surfacing, ramping the structure, adding sensory panels, textures and sound, and adding ADA Swings to allow children access to the structure and to provide for easily-accessible transfer stations. On May 30, 2014, the NCAC passed a motion by majority vote recommending that the City Commission approve the inclusion of an adaptive and inclusive playground in the design plan for Allison Park.

20. Public access and recreational opportunities:

The City manages the Property in a manner that promotes and enhances public access, as well as its use as a public beach area. The City currently maintains approximately 150 public beach accesses and has beach regulations in place to promote a “balanced public utilization”.

Dune crossovers

It is the City's goal to promote public access while limiting damage to existing dune vegetation. As such, the City does not allow new crossovers to be created if there is an existing crossover within 100 feet. That is, the minimum allowable distance from crossover to crossover is 100 feet. The surface of new crossovers must be beach compatible fill approved by the City and the State. New crossovers are currently required to be at a 45 degree angle and head South to North. The entity that requests the crossover is responsible for mitigate for any vegetation damaged in the creation of the crossover and for any rope and post that needs to be installed as a result of the new crossover (on both sides of the crossover and any changes to the rope and post on the west and east of the dune, if needed to allow for the crossover).

Fully-accessible beach

The City worked with its Disability Access Committee to install mobi-mats at 16 beach entrance locations to allow access in accordance with ADA guidelines (**Exhibit N**). Mobi-mats are heavy-duty, polyester mats that provide traction, allowing the disabled and other users to traverse from the beachwalk system or parking lots to the hardpack sand while reducing the chance of slips, trips and falls. Currently, the mobi-mats only extend to the eastern edge of the dunes and end where the hardpack sand begins and the vegetated dune ends. Furthermore, mobi-mats are only allows on dune crossovers that head South to North as these do not accumulate as much sand and therefore require less frequent maintenance. It must be noted that as of 2015 FDEP's Division of Beaches and Coastal Systems requires a CCCL permit for any new installation or relocation of mobi-mat. These permits must be renewed annually.

The City's Ocean Rescue provides a number of disability services, including free beach wheelchair service during lifeguard duty hours every day. The City's beach wheelchair fleet includes two manual and two motorized chairs, with one motorized chair located at South Pointe Park and the other three chairs located at the Ocean Rescue Headquarters at 10 Street. In addition, there are nine swim ropes that provide a safety aide for beachgoers entering and exiting the water.

In conjunction with the adaptive and inclusive playground project, the City is working with FDEP to design a fully-accessible beach concept at 64th Street with various accessibility services that is in accordance with existing regulations and restrictions for the Property. The proposed design of this project may include the installation of mobi-mat or similar ADA compliant surface that will connect the beachwalk to a scatter point located closer to the Mean High Water Line, temporary shade structures, on-site beach wheelchairs, a swim rope and mono-pole signage. The final plans will be submitted to FDEP's Division of Beaches and Coastal Systems for review and approval through the CCCL permitting process.

Ocean rescue

The City has 35 lifeguard stands from which Ocean Rescue provides lifeguard services 365 days per year. **Exhibit O** shows the location of the historical lifeguard locations. In 2015, Ocean Rescue coordinated the addition of six new towers, one each at 4th Street, 24th Street, 43rd Street, 50th Street, 57th Street, and 67th Street. Additionally, the City is in the process of replacing all old lifeguard towers with new designs in 2016.

From November through January, Ocean Rescue staffs the lifeguard towers from 9:00 a.m. to 5:00 p.m. In February, their hours of operation shift to begin at 7:30 a.m. and end at 5:30 p.m. The remainder of the year Ocean Rescue staffs the towers from 9 a.m. to 7 p.m. All lifeguard stations are supported by Lieutenant personnel in four-wheel drive vehicles. Additional support is provided by all-terrain cycles, a twenty-seven foot rescue vessel, and other smaller jet-driven watercraft. All personnel are in contact with each other by radio transmitters which have the capability of communicating with the City's Police and Fire Rescue departments.

Coastal parks

The City has 12 parks located immediately upland from the beach. The five coastal parks in South Beach are South Pointe Park at Government Cut (approx. 17.5 acres), Pier Park at 1st Street (approx. 5 acres), Marjorie Stoneman Douglas Park at 2nd Street (approx. 5 acres), Lummus Park at 5th Street (approx. 26 acres), and Collins Park at 21st Street (approx. 12 acres). The three coastal parks in Middle Beach are Pancoast Park at 35th Street (approx. 1 acre), Indian Beach Park at 46th Street (approx. 4 acres), and Beach View Park at 53rd Street (approx. 1.5 acres). The four coastal parks in North Beach are Allison Park at 64th Street (approx. 2 acres), Bandshell Park at 73rd Street (approx. 4 acres), Altos Del Mar Park at 75th Street (approx. 4 acres), and North Shore Open Space Park at 79th Street (approx. 27 acres). The amenities available at these parks vary according to their location and include parking, restrooms, playgrounds, exercise equipment, picnic tables, pavilions, natural areas, benches, and other miscellaneous park amenities. The City's Parks and Recreation Department currently has a \$9.6 million budget approved to implement 10 capital improvement projects and six park maintenance projects for these coastal parks, not including approximately \$800,000 in their combined annual grounds maintenance costs. These projects are intended to meet the City's goals of maintaining the existing park infrastructure in working order and safe for the public's use and enjoyment based on the outcome of structural and condition assessments.

Concession operations

Concession operations in the City include publicly and privately contracted operations that are permitted to provide services such as beach and watersport equipment rentals and food and beverage sales. Beach equipment available for rent includes lounge chairs, umbrellas, sun canopies, beach beds, side tables, snorkeling equipment, personal floatation devices and miscellaneous beach toys. Watersport equipment available for rent includes kayaks, jet skis, banana boats, and parasailing.

Last Fiscal Year, the City had a total of 66 active private beachfront concession permits, three active public beachfront concession contracts, and nine active watersport equipment water channels with associated rentals. Out of the 66 private beach concession permits, 52 constituted commercial permits and 14 constituted non-commercial permits.

Eruv

The City of Miami Beach has a large Jewish population that observes Shabbos. One of the divisions of labor prohibited on Shabbos is commuting from one domain to

another or from an enclosed area to an open area. Individuals who observe Shabbos may be allowed to exit their enclosed private residence to areas enclosed by an Eruv comprised of horizontal walls of a minimum height of ten handbreaths or poles connected from above with strings for gaps larger than ten cubits, among other specific requirements. For this purpose, the City of Miami Beach agreed to allow the installation and maintenance of a ten mile long and three-mile wide Eruv currently comprised, on the entire 7.1 miles of beach, of mono-poles connected by wire, string, or similar material running north to south along the east side of the dunes and, elsewhere in the City, of seawalls. Inspection and maintenance of the Eruv is the responsibility of the Miami Beach Eruv Council. Currently, the Eruv is regularly inspected every Friday and Erev Yom Kippur via ATV by Miami Beach Eruv Council inspectors.

Exhibit A – Beachfront Management Agreement

MANAGEMENT AGREEMENT

FOR
CERTAIN LANDS

IN

THE CITY OF MIAMI BEACH, FLORIDA

*file
Beach Master
Plan*

Agreement No. 750-0006

This AGREEMENT entered into between THE BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA, referred to herein as the "Board" and the CITY OF MIAMI BEACH, FLORIDA, referred to herein as the "City";

WITNESSETH:

WHEREAS, the Board holds title to certain beach property created and established pursuant to Section 161.141-161.211, Florida Statutes and

WHEREAS the City desires to manage said beach property for recreational and other related activities;

NOW THEREFORE the Board and the City for and in consideration of the covenants hereinafter contained do hereby agree as follows:

1. The BOARD hereby grants for a period of twenty five years from the date of the execution of this agreement to the City management responsibilities over the following described beach property located in Dade County, Florida and within the corporate boundary of the City, to wit:

*2/13/82
By O.R.E.
3/13/82
By State*

(See Exhibit A, attached hereto and made a part hereof)

2. The CITY hereby agrees to submit a management plan pursuant to Section 253.034(4), F.S. Said management plan shall specifically address the following activities:

(a) the construction and maintenance or supervision of the construction and maintenance of landscaping improvements;

(b) the construction and maintenance or supervision of the construction and maintenance of public amenities such as lighting, boardwalks, pedestrian and bicycle courses, seating appointments and other like structures;

(c) prohibition of motorized vehicle access to the beach except at certain specific locations approved by the Department of Natural Resources and the CITY;

(d) the limitation and control of land and water related activities such as boating, bathing, surfing, rental of beach equipment, and sale of goods and services to the public. Such control shall be administered through police power regulations including licensing, permitting and concessions. The CITY agrees to remit to the Department of Natural Resources 25% of any and all monies the CITY collects from private concessionaires or other private concerns for the use of the State property. The CITY agrees to provide the Department of Natural Resources with an annual audited report of all monies collected from said concessionaires;

3. Pursuant to Section 161.201, F.S., the CITY shall not allow any structures to be erected upon the land subject to this agreement, except such structures required for the prevention of erosion. Neither shall such use be permitted by the City as may be injurious to the person, business or property of the upland owner or lessee.

4. It is understood and agreed that the CITY shall have responsibility for the protection of the property; and shall through its agent and employees take all reasonable measures to provide security against property damage, property degradation and unauthorized uses.

⑤ The CITY shall not permanently clear, plant, build or alter the property or engage in any activities of a permanent nature except as provided for in the required management plan without the approval of the Executive Director of the Department of Natural Resources. Such activities shall be deemed approved if no response is received from the Executive Director within 30 days receipt of written notice from the CITY of the proposed activity.

6. Upon execution of this Agreement, the CITY, shall have the right to enter and occupy the property for the purposes necessary to fulfill the designated responsibilities.

7. The BOARD, or its duly authorized agents, shall retain the right to enter the property and engage in management activities not inconsistent with the management plan and shall retain the right to grant other legal uses compatible with management plan. Prior to the granting of any third party uses, the CITY shall be given written notice and shall have 30 days to object. If the CITY objects, then the matter shall be mutually resolved. If the matter cannot be mutually resolved, it shall be presented to the BOARD for their resolution.

8. The BOARD or its duly authorized agents shall have the right at any time to inspect the works and operations of the CITY in any matter pertaining to this Agreement. The BOARD or the CITY shall have the right to terminate the Agreement upon 90 days NOTIFICATION provided such notification is in writing from the Executive Director of the Department of Natural Resources or the CITY Manager of the City of Miami Beach.

9. This Agreement and any rights and privileges contained herein are for the sole use of the CITY and shall not be assigned or transferred to any other party.

10. The CITY shall defend, hold and save the BOARD and its designated agents harmless from any and all liability or claims that may result from injuries to persons or damage to property arising out of this agreement and the use of the property by the CITY to the extent allowed by the Laws of Florida.

11. This instrument does not convey any interest in real property.

IN TESTIMONY WHEREOF, the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida and

the City of Miami Beach, Dade County, Florida, have hereunto
set their seal.

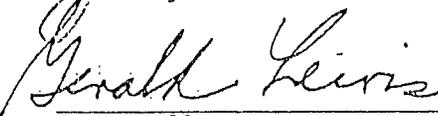
(SEAL)

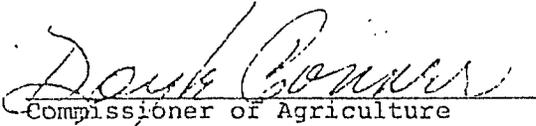
BOARD OF TRUSTEES
OF THE INTERNAL
IMPROVEMENT TRUST
FUND OF THE STATE
OF FLORIDA


Governor


Secretary of State


Attorney General

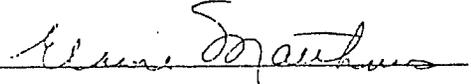

Comptroller


Commissioner of Agriculture

Commissioner of Education


Treasurer

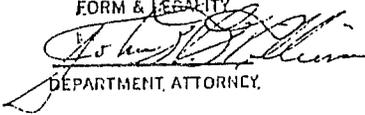
ATTEST

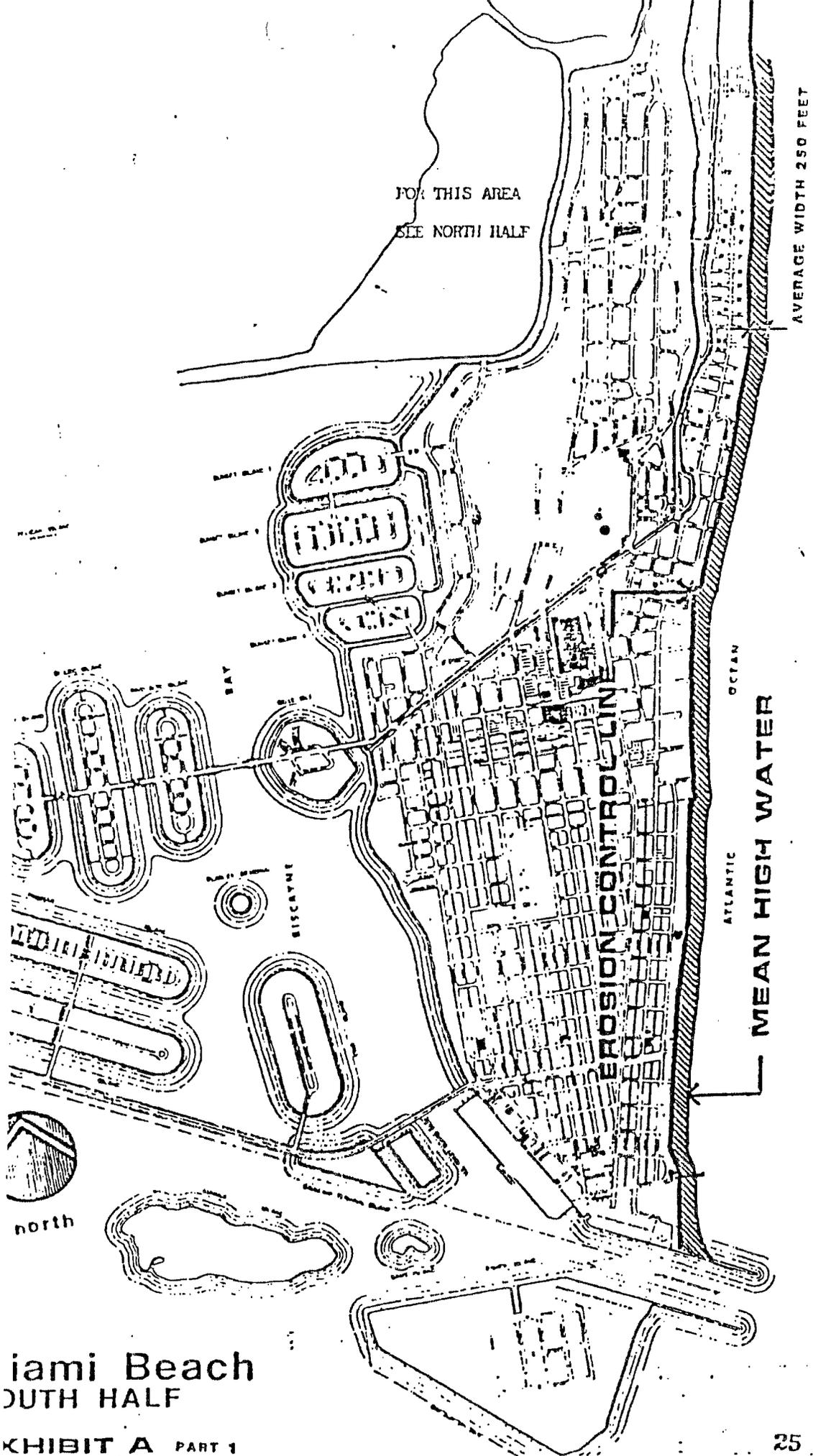

City Clerk

CITY OF MIAMI BEACH

By: 
Mayor

Date: February 3, 1982

APPROVED AS TO
FORM & LEGALITY

DEPARTMENT ATTORNEY



FOR THIS AREA
SEE NORTH HALF

AVERAGE WIDTH 250 FEET

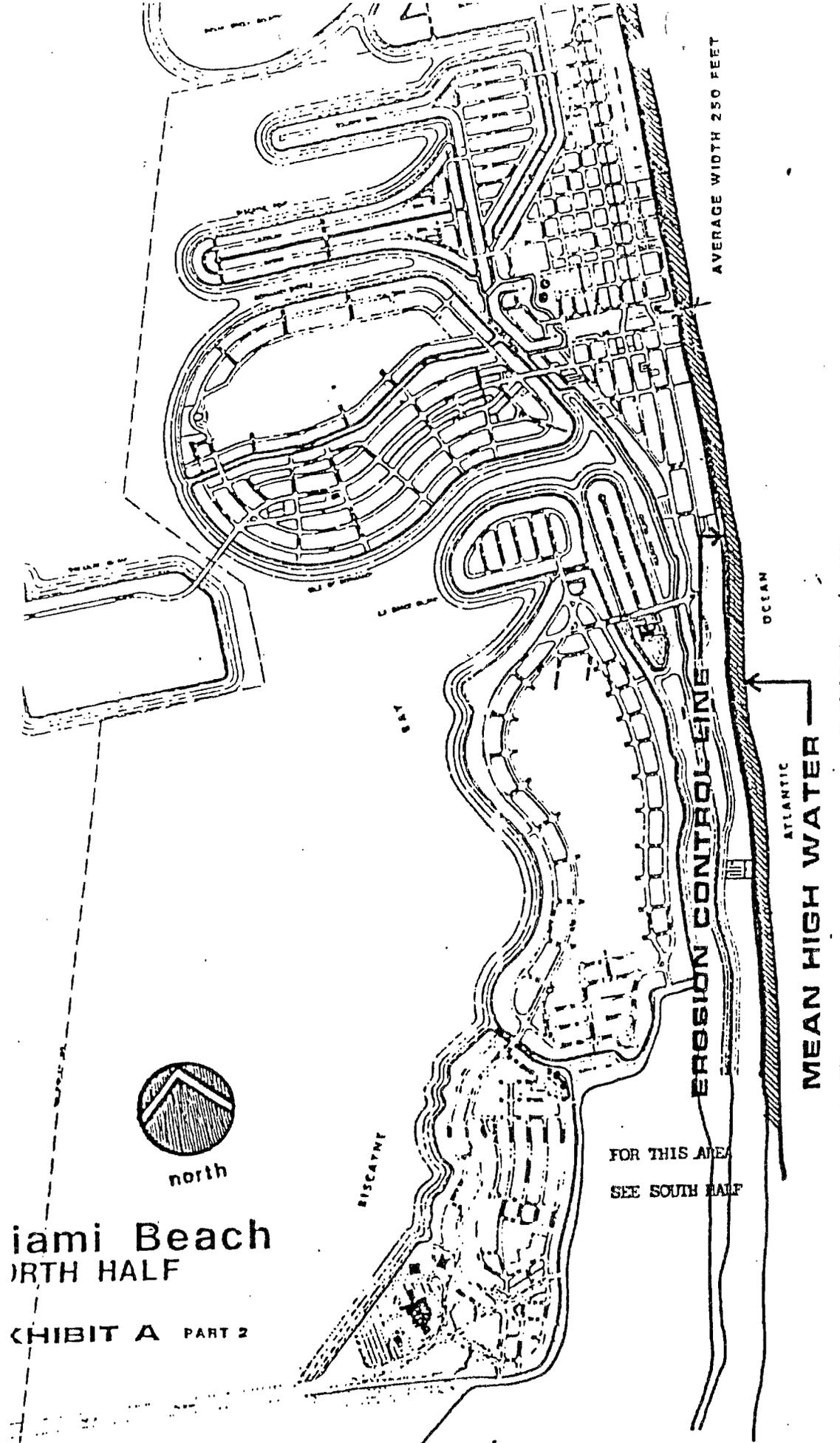
EROSION CONTROL LIN

ATLANTIC OCEAN

MEAN HIGH WATER

north

Miami Beach
SOUTH HALF



Miami Beach
NORTH HALF

EXHIBIT A PART 2

FOR THIS AREA
 SEE SOUTH HALF

AVERAGE WIDTH 250 FEET

OCEAN

EROSION CONTROL LINE

ATLANTIC

MEAN HIGH WATER

BISCAYNE



north

ATL1

BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT
TRUST FUND OF THE STATE OF FLORIDA

AMENDMENT NUMBER 1 TO MANAGEMENT AGREEMENT NUMBER 3595

THIS MANAGEMENT AGREEMENT AMENDMENT is entered into this 7th day of February, 2007, by and between the BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA, hereinafter referred to as the "Board" and the City of Miami Beach, hereinafter referred to as "City";

W I T N E S S E T H

WHEREAS, the Board holds title to certain beach property created and established pursuant to Sections 161.141 - 161.211, Florida Statutes; and

WHEREAS, the City desires to continue management of said beach property for recreational and other related activities;

NOW THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties hereto agree as follows:

1. The Board hereby extends the term of this Management Agreement Number 3595 for an additional twenty-five (25) years beginning February 7, 2007.
2. Except as expressly set forth herein, the terms and conditions of Management Agreement Number 3595, shall remain unchanged and in full force and effect and the same are hereby ratified, approved and confirmed by the Board and City as of the date of this Amendment Number 1.
3. The terms of this Amendment Number 1 to Management Agreement Number 3595 shall be binding upon the parties hereto and their respective successors and assigns.

The parties have caused this management agreement amendment to be executed on the day and year first above written.

BOARD OF TRUSTEES OF THE INTERNAL
IMPROVEMENT TRUST FUND OF THE
STATE OF FLORIDA

By: *Janice Ellison* (SEAL)
JANICE ELLISON, OPERATIONS
AND MANAGEMENT CONSULTANT
MANAGER, BUREAU OF PUBLIC LAND
ADMINISTRATION, DIVISION OF
STATE LANDS, STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

"LESSOR"

STATE OF FLORIDA
COUNTY OF LEON

The foregoing instrument was acknowledged before me this 9 day of August, 2007, by Janice Ellison, Operations and Management Consultant Manager, Bureau of Public Land Administration, Division of State Lands, State of Florida Department of Environmental Protection, as agent for and on behalf of the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida. She is personally known to me.

B. Ann Henson
Notary Public, State of Florida

B. ANN HENSON
Print/Type Notary Name

Commission Number:

Commission Expires:



Approved as to Form and Legality

By: *[Signature]*
DEF Attorney

CITY OF MIAMI BEACH
By its City Commission

By: Matti Herrera Bower (SEAL)

Matti Herrera Bower
Vice-Mayor

Title: Vice-Mayor
(OFFICIAL SEAL)
"City"

ATTEST: Robert Parcher

Robert Parcher
Print/Type Name

Title: City Clerk

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

The foregoing instrument was acknowledged before me this 26th day of July, 2007, by Matti Herrera Bower and Robert Parcher as Vice-Mayor and City Clerk, respectively, on behalf of the City of Miami Beach. They are personally known to me.

Kerry Hernandez
Notary Public, State of Florida

Kerry Hernandez
Print/Type Notary Name

Commission Number

Commission Expires



APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION

[Signature] 7/3/07
City Attorney Date

**Exhibit B – Property Location & Boundary Map for the
City of Miami Beach**



Path: M:\SCMB\GIS\Waps\Request\BeachManagementPlan_8X11.mxd

Legend

— EROSION CONTROL LINE

Exhibit A- Property Location & Boundary Map for City of Miami Beach



Exhibit C – Atlantic Greenway Network Project Map

Exhibit C

City of Miami Beach: Coastal Pathway Segments



Exhibit D – Concession Operations Rules & Regulations

This document is currently under review by the City's Neighborhood/Community Affairs Committee ("NCAC") and will be submitted for the State's review and approval for amendment into the Plan once it is approved by the NCAC, and the Mayor and City Commission.

**Exhibit E – Special Event Permit Requirements &
Guidelines**



City of Miami Beach, 1700 Convention Center Drive, Miami Beach, Florida 33139, www.miamibeachfl.gov

TOURISM AND CULTURAL DEVELOPMENT
FILM & EVENT PRODUCTION MANAGEMENT
Tel: 305-673-7577 , Fax: 305-673-7063 , Email: events@miamibeachfl.gov

UPDATED September 2013

SPECIAL EVENTS REQUIREMENTS AND GUIDELINES

The City of Miami Beach (“City”) hosts a wide variety of special events that enrich the community for both visitors and residents. To mitigate the ever-increasing demands made upon City resources and infrastructure, applicants are required to present proposed special event activities to potentially impacted neighborhood associations and appropriate City departments to ensure that these events are compatible with the surrounding neighborhoods. This process assists in evaluating and assessing the City’s resources, both in terms of personnel and use of public property and right-of-ways, to adequately protect the public safety, health and welfare of the community.

This review may also require a more detailed and coordinated Major Event Plan, especially during holiday or repeat event periods that have a high impact on City services. The Special Events Ordinance (Chapter 12, Article II, Section 12-5 of the Miami Beach City Code) and the Special Events Requirements and Guidelines are intended, insofar as possible, to mitigate the costs of City services for special events, although it is not the intention that the costs of special events permit fees be used for revenue generation.

The intent of the Special Event Ordinance and the Special Events Requirements and Guidelines is:

- To insure the City will have adequate advance notice of a proposed special event and the cooperation of the organizers to adequately plan City services (such as security, sanitation, parking, and traffic control) that may be required for such an event.
- To insure that the City’s beaches, parks, and public right-of-ways are protected and conserved, by limiting the number and type of events held in these areas; and
- To preserve the City’s commitment to attract quality events with significant cultural and entertainment enrichment for the community at-large.

This Special Events Requirements and Guidelines package has been designed to help guide applicants through the process of applying for a special events permit, and to minimize disruption to the impacted surrounding environment.

TABLE OF CONTENTS

	Page(s)
INTRODUCTION	1
Table of Contents	2-3
I. APPLICATION PROCEDURE	4-15
A. STEP 1: APPLICATION AND QUESTIONNAIRE FORM	4-9
I. EVENTS ON PUBLIC PROPERTY	
II. EVENTS ON PRIVATE PROPERTY	
III. WEDDINGS AND CEREMONIES	
IV. MARKETS	
V. PRODUCT PROMOTIONS/ TEMPORARY SAMPLING	
VI. RIDES AND AMUSEMENTS	
VII. MINIMUM REQUIREMENTS	
• APPLICATION/PROCESSING FEE	
• PERMIT FEE	
• SECURITY DEPOSIT	
• INDEMNITY AGREEMENT	
• INSURANCE REQUIREMENTS	
• SITE PLAN	
B. STEP 2: INTERNAL REVIEW PROCEDURE	9-14
I. MAJOR EVENTS PLAN (MEP)	
• MAJOR EVENTS PERIODS	
• MAJOR EVENT COMMITTEE	
II. CRITERIA FOR GRANT OF PERMIT	
III. CRITERIA FOR APPROVAL OF PERMIT	
IV. NATURAL DISASTER/WEATHER	
C. STEP 3: EXTERNAL REVIEW PROCEDURE	14-15
D. STEP: 4 COORDINATION OF CITY SERVICES	15
II. ADHERENCE TO REGULATIONS AND OTHER POLICIES	15-19
A. VEHICLE ACCESS POLICY	16
B. BOOKING POLICY	16-18
I. CONSECUTIVE DAY CLAUSE/ Limit of permissible events per venue	
C. CONCESSION AGREEMENTS	18
D. USE OF PUBLIC PROPERTY	18
E. EVENT SIGNAGE	19
I. SPECIAL EVENT BILLBOARD SIGNS	
II. STREET BANNERS	
III. LIGHTPOST BANNERS	
F. GRANDFATHER CLAUSE	19
G. RESORT TAX	19
H. SPONSORSHIP REQUIREMENTS	19-20
III. ENFORCEMENT AND PENALTIES	20-22
IV. CITY OF MIAMI BEACH AGENCIES	22-30
A. BUILDING DEPARTMENT	22-23
I. BUILDING PERMITS AND ELECTRICAL PERMITS	
II. AMERICANS WITH DISABILITIES ACT	
B. CODE COMPLIANCE	23-24
I. FIELD INSPECTOR	
II. SIGNS, FLYERS AND HANDBILLS	
III. NOISE ORDINANCE	
C. FIRE DEPARTMENT	24-25
I. OFF DUTY FIRE AND PARAMEDIC SERVICES	
II. ENCLOSED EVENT SITE AND OCCUPANT LOAD	
III. FIREWORKS PERMIT	
IV. OPEN PIT AND BONFIRE PERMIT	
D. MIAMI BEACH CONVENTION CENTER	25
E. OCEAN RESCUE	25
F. PARKING DEPARTMENT	25
G. PARKS & RECREATION DEPARTMENT	26
I. FACILITIES & PERSONNEL	
II. PARK USER FEES & LINCOLN ROAD USER FEE	
H. POLICE DEPARTMENT	26-28
I. SECURITY PLAN AND SERVICES	
• OVERNIGHT & BACKSTAGE SECURITY	
• MARINE PATROL	

• POLICE ESCORTS FOR ENTERTAINMENT	
II. STREET CLOSURES	
III. BARRICADES & ELECTRONIC SIGNS	
IV. PARADE REQUIREMENTS	
V. DEMONSTRATIONS & FREE SPEECH ACTIVITIES	
I. PROPERTY MANAGEMENT	28
J. PUBLIC WORKS DEPARTMENT	28-29
K. SANITATION	30
V. OTHER AGENCIES	30-32
A. MIAMI BEACH VCA and CAC	30
B. MIAMI DADE COUNTY	30
• PERMIT FOR TEMPORARY FOOD SALES	
• BEACH CLEANING	
C. STATE OF FLORIDA	30-31
• DEPARTMENT OF ENVIRONMENTAL PROTECTION	
• DIVISION OF STATE LANDS	
• FLORIDA MARINE PATROL	
• DIVISION OF ALCOHOLIC BEVERAGES AND TOBACCO	
• FLORIDA DEPARTMENT OF TRANSPORTATION	
D. FEDERAL GOVERNMENT	31-32
• FEDERAL AVIATION ADMINISTRATION	
• COASTGUARD	
VI. SPECIAL EVENTS FEE SCHEDULE	33-34
VII. SPECIAL EVENT CLASS MATRIX	34

Special Events Requirements and Guidelines

I. APPLICATION PROCEDURE

A City Permit is required for special events. A “special event” is generally defined by the City as a temporary use on public or private property that would not be permitted generally or without restriction throughout a particular zoning district, but would be permitted if controlled with special review in accordance with this section. Applications are processed on a first come, first served basis, unless otherwise provided for under the booking policy herein (Section II. B).

A. **STEP 1: Application and Questionnaire Forms**

All persons or entities interested in conducting a special event must complete an application and questionnaire listing all required information. Please refer to Appendix A for a copy of the application and Section VII, Special Event Class Matrix, for breakdown on classes of event permits and their respective requirements.

I. **EVENTS ON PUBLIC PROPERTY**

1. Events taking place on public property, whether produced by a not-for-profit or for profit entity, with a maximum attendance of 150 people and requiring no city services (police, fire, parking, etc.) or building permits, as determined by the Office of Special Events, do require a special event permit from the City. Applications and questionnaires shall be submitted with a minimum of THIRTY (30) days notice, in order to process prior to the proposed event start date.
2. Events taking place on public property, whether produced by a not-for-profit or for profit entity requiring city services (police, fire, parking, etc.) and/ or building permits, as determined by the Office of Special Events, including, but not limited to, festivals, parades, performances, and broadcasts, require a special event permit from the City. Applications and questionnaires shall be submitted with a minimum of SIXTY (60) days notice, in order to process prior to the proposed event start date.

II. **EVENTS ON PRIVATE PROPERTY**

1. Applications and questionnaires for events proposed to take place on private property where such event would be considered a 'special event' under the City's Special Events Ordinance and these Guidelines, and requiring no city services (police, fire, parking, etc.) or building permits, as determined by the Office of Special Events, shall be submitted with a minimum of FIFTEEN (15) days notice prior to the proposed event start date.
2. Applications and questionnaires for events proposed to take place on private property where such event would be considered a 'special event' under the City's Special Events Ordinance and these Guidelines, requiring city services (police, fire, parking, etc.) and/ or building permits, as determined by the Office of Special Events, shall be submitted with a minimum of THIRTY (30) days notice prior to the proposed event start date.

It should be noted that events may only obtain special event permits on private property in facilities with current Certificate of Occupancy or Temporary Certificate of Occupancy.

Events or activities that do not require special event permits are recurring activities that are typically not open to the general public, and are customary and incidental to a permitted main or accessory use, whether by paid admission or not, and require no additional permitting.

Examples of customary uses for hotel properties include, but are not limited to: Weddings; Bar

Mitzvah; Bat Mitzvah; Anniversaries; Baby Showers; Engagement parties; Wedding Showers; Holiday events; Awards functions; Networking Events; Fund Raisers; Charity Events; Incentive group functions (meetings, etc.); Corporate group functions (meetings); Convention group functions (meetings); Community based organization meetings; Reunions; Prom; Seminars; Sweet Sixteen; Press Conferences; Product Announcements; Political functions (including kick offs, election night or during a campaign).

Non-recurring events or activities that have extraordinary or excessive impacts on public health, safety or welfare, not normally associated in type or quantity with permitted main or accessory uses, **shall require a special event permit**. For example:

- When temporary structures are erected (South Beach Food and Wine Festival's "Bubble Q", Art Basel, etc.); or
- When a temporary occupant load is required; or
- Television, entertainment events or casting calls open to the public (American Idol) with public property impacts; or
- Musical performances (Winter Music Conference).

Conditional uses are recurring activities open to the general public, whether by paid admission or not, identified in the City's Land Development Regulations, and requiring a public hearing (e.g., Neighborhood Impact Establishments or Outdoor Entertainment Establishments such as Sky Bar, Raleigh Hotel Sunday Soiree, etc.).

Non-conforming uses in residential districts are prohibited from obtaining special event permits. Additionally, consistent with Section 142-693 (c), Section 142-302, and Section 142-485 of the City Code, special event permits will not be issued to non-conforming properties south of Fifth Street, or in the area generally bounded by Purdy Avenue on the west, 20th Street on the north, Alton Road on the east, and Dade Boulevard on the south.

III. **WEDDINGS, CEREMONIES AND TEAM BUILDING**

A Wedding, Ceremony and Team Building Permit allows for a single temporary use of public property in the City, other than within existing rental areas of the Parks Department. A Wedding, Ceremony and Team Building Permit allows for limited elements ("Elements"), defined as the following: chairs, runner, arch/chupa, flags, banners, and other temporary markers, battery operated stereo, acoustical performer(s), riser (48" or less) and a single 10'X10' pop up tent. Any additional Elements or activity exceeding the Guidelines and restrictions (see below), inclusive of an adjacent reception would require special event permitting, or prior written approval of the City Manager or his/her designee.

REQUIREMENTS:

1. A completed Wedding, Ceremony and Team Building Permit application, detailing exact location, date, times, Elements and number of attendees shall be submitted no less than FIFTEEN (15) days prior to wedding/ceremony.
2. A site plan of the wedding, ceremony or team building area and Elements, detailing area features and showing measurements of entire site.
3. A \$125.00 Wedding, Ceremony and Team Building Permit fee, payable to The City of Miami Beach and due before commencement of activity.
4. Approved signature survey from any upland property owners and all contracted or concession user(s) if the area requested falls within a contracted or concession use.
5. Team Building Permit applicants are also required to provide a \$2,500 security deposit, as well as General Liability Insurance and a notarized Indemnity Agreement as specified in Section VII of the Special Event Requirements and Guidelines.

RESTRICTIONS:

1. A Wedding, Ceremony and Team Building Permit shall accommodate no more than one hundred and fifty (150) people, inclusive of guests, wedding party, performers, etc.

2. All approved Elements shall be hand carried or carted to site. Vehicles will be permitted in areas designated for authorized use only, including beach/sand, parks, sidewalks, pedestrian access areas, with prior written approval of the City Manager or his/ her designee approval and vehicle beach access passes (\$150.00 ea.) in conformity with Beach Vehicle Access Policy herein (Section D. II. A.).
3. Any promotional elements including, but not limited to sampling, branding or logos are strictly prohibited.
4. From May 1st through October 31st additional restrictions will apply per State of Florida Department of Environmental Protection (“DEP”) Marine Turtle Guidelines. DEP permits may be required throughout the year.
5. Following the wedding, ceremony or team building event, the beach and/or public property must be left in as good, if not better, condition. Applicants must arrange to clean the area immediately following the wedding/ceremony.
6. Failure to comply with Wedding, Ceremony or Team Building requirements may result in citation to permittee and denial of future permits.

IV. *MARKETS* - For information on how to become a market producer or vendor, please contact the City of Miami Beach Procurement Department at 305-673-7490.

V. *PRODUCT PROMOTION/ TEMPORARY SAMPLING* - A Temporary Sampling Permit allows for the non-permanent and mobile distribution of single serving goods or services to the public with no direct or indirect commercial exchange provided on public property within the commercial and mixed-use zoning districts of the City.

REQUIREMENTS: Applicants wishing to procure a Temporary Sampling Permit shall provide the following information to the City’s Department of Tourism and Cultural Development no less than 10 working days prior to said activity:

1. Application for Temporary Sampling Permit.
2. Samples and/or descriptive literature of products or services to be distributed.
3. Quantity of product(s) to be distributed.
4. General Liability Insurance of no less than One (1) Million U.S. dollars or equivalent value naming the City of Miami Beach as additional insured and certificate holder including the City’s address as per Section A VII (INSURANCE REQUIREMENTS). The certificate must not be older than 90 days.
5. Completed, executed and notarized Indemnification, holding the City of Miami Beach harmless for all approved activities as well as from effects of products or services sampled.
6. A permit fee of \$2,000.00 per singular team, per day, payable to the City of Miami Beach and due before commencement of activity. A singular team is defined as no more than five (5) people in total distributing the same product in the location specified on the permit or within 500 feet of that location. This fee is refundable if permit is cancelled or denied.
7. A security deposit of \$2, 500.00 is due upon submission of application. Security deposits will be refunded approximately 4-6 weeks post activity, if all restrictions are followed, public property is left in as good or better condition than when activity commenced, and all City invoices are paid. Failure to comply with restrictions imposed automatically results in forfeiture of up to full value of security deposit.
8. Identify location where the temporary sampling activity will occur.

RESTRICTIONS:

1. Permittee or his/her representative must maintain the original permit with them during the activity.
2. Permit is valid for only one singular team of no more than five (5) people in total for the location specified in the permit or within 500 feet of that location.
3. Permit is valid only for date(s) issued.
4. Permit is valid only for approved product(s) as presented in application and printed on permit.

5. Permittee is solely responsible for comprehensive sanitation of any and all areas utilized and their surrounding areas, inclusive of ensuring any sample by-product or literature discarded by the permittee, his/her representative, or the public is removed and discarded appropriately.
6. Permittee or his/her representative may not at any time erect tables, tents, chairs, banners, flags, fencing, inflatables, signs or other elements in public areas or right of ways.
7. Permittee or his/her representative may not at any time attach posters, flyers, stickers or other elements on buildings, trees, lightpoles, newspaper racks, telephone booths, or other public elements. Hand to hand distribution of information must follow City's Handbill Ordinance, as codified in Article 3, Section 46 of the City Code. A Temporary Sampling Permit shall not be required for the distribution of literature, periodicals or other non-product or service related materials, **as long as it has no exchangeable or redeemable value.**
8. Permittee or his/her representative may not reserve meters for the parking of promotional vehicles (skinned or unskinned). Any and all parking must be in accordance with the City parking regulations.
9. Permittee may not distribute materials from moving vehicles.
10. Permittee or his/her representative may not employ any generators, use electrical outlets or require, install or lay wiring across the public right of ways.
11. Permittee or his/her representative must maintain no less than five (5) feet of unobstructed public access on sidewalks at all times.
12. Permittee or his/her representatives are bound by the Miami-Dade County and City of Miami Beach Noise Ordinances at all times.
13. If Permittee wishes to distribute material in an area contracted or permitted for concession, outdoor café, event, filming or other such use, Permittee must provide approved signature survey form from affected party.
14. Permittee or his/ her representative may not sample within twenty (20) feet in any direction from the outside perimeter, as indicated in the site plan attached to the city issued permit, of any outdoor cafe, outdoor restaurant, sidewalk cafe or other establishment serving food or beverages for immediate consumption, without the express written permission of proprietor of such business;
15. The City does not permit stand alone product promotion events. Product promotions are only permitted for sponsors of permitted special events and only within the permitted boundaries of such special event.

PENALTIES: Violators of terms of a Temporary Sampling Permit may be subject to one or more of the following:

- Revocation of permit and immediate cease and desist order issued.
- Forfeiture of full or partial security deposit at discretion of City Manager or his/ her designee.
- Subsequent doubling of previous security deposit for future applications.
- The product and/or other products from parent company will be restricted from distribution in any future Temporary Sampling Permits for a period to be determined by the City Manager or his/ her designee.
- Fines and further penalties as Article II, Section 12-5 (9) of the City Code.

VI. RIDES AND AMUSEMENTS - The City does not allow for-profit carnivals, amusement parks, or carnival-related mechanical amusement rides.

VII. MINIMUM REQUIREMENTS - The minimum requirements to apply for a Special Events Permit are:

- **APPLICATION/PROCESSING FEE** – This fee is non-refundable and must be made payable to the City of Miami Beach at the time of application. Please see attached Fee Schedule (Appendix D) to determine fee amount.
- **LATE APPLICATION FEE** – This additional fee, equivalent to the applicable application fee, will apply to all applications received after the deadlines noted in sections A.I.1 and A.I.2 (Page

4). Any application submitted less than fourteen (14) days from event date may not be reviewed, regardless of late application fee.

PLEASE NOTE: Late Application Fees cannot be waived.

- **PERMIT FEE** – This fee is refundable if application is denied and must be made payable to the City of Miami Beach at the time of application. Please see attached Fee Schedule (Appendix D) to determine fee amount.
- **SECURITY DEPOSIT** (\$2,500 for events entirely within private property or on public property with no City services required and up to 150 attendees; \$5,000 for events up to 1500 attendees and/ or requiring City services; \$10,000 for events between 1501 and 5000 attendees; \$20,000+ with more than 5001 attendees and/ or with a load in to load out duration exceeding 14 days. Deposits for Non-Profit applicants will not exceed \$10,000. A refundable security deposit will be required no later than fourteen (14) days prior to the event load in. Based on the scope and location of the event, a pre- and post-event site inspection may be conducted by the applicant and appropriate City personnel to determine existing conditions and evaluate potential damages, if any. Security deposits will be refunded as soon as possible (approximately 3 - 4 weeks after the event) if all conditions are followed, public property is left in as good condition or better and without damage, any pending Code citations are satisfied and all City invoices are fully paid. Failure to comply with restrictions imposed may result in forfeiture of up to the entire amount of the security deposit, as per Section III, Enforcement and Penalties.

Any post-event balance or fines owed to the City, its employees, Departmental or Facility charge/expenses, damage, repair or replacement cost(s), etc. may be deducted from the security deposit. Any unpaid balance owed exceeding the security deposit will be cause for refusal to accept future special event permit applications. Such applications will not be considered until all outstanding debts to the City are paid in full (i.e. License Fee, Code Enforcement Lien, Special Assessment Lien and/or any other debt or obligation due to the City under State or local law).

PLEASE NOTE: Security deposits cannot be waived.

- **INDEMNITY AGREEMENT** - An Indemnity Agreement must be executed and notarized with an original and legally authorized signature and, if a corporation is the applicant or the application is filed on behalf of a corporation, the company seal must be affixed to the document. The Agreement must be submitted no later than fourteen (14) days prior to load in of the event.
- **INSURANCE REQUIREMENTS** - The City of Miami Beach must be named as an additional insured and policyholder on all insurance certificates issued for the event.

All insurance policies must be issued by companies that are authorized to do business in the State of Florida, and have a rating of B+VI or better in the current edition of Best's Key Rating Guide. The Certificate of Insurance must state the time, date, location and name of the covered event, including set-up and breakdown day(s), date(s), and time(s). Applicants have the option of submitting a Certificate of Insurance for each policy year.

The City of Miami Beach reserves the absolute right at its sole discretion to increase these requirements, as necessary, to protect the interests of the City, including an increase in the amount and type of coverage required, depending upon the scope and nature of the special event.

- **Commercial General Liability** - Commercial General Liability insurance, on an occurrence form, must be obtained in the amount of at least \$1,000,000 per occurrence for bodily injury, death, property damage, and personal injury. The policy must include coverage for

contractual liability.

- *Worker's Compensation And Employer's Liability* -Contractors must submit proof of Workers' Compensation and Employer's Liability in the form of a Certificate of Insurance. All other State regulations apply.
- *Liquor Liability* - If alcoholic beverages are to be sold or served at the event, the group or individuals selling or serving the alcoholic beverage must obtain Liquor Liability Insurance in the minimum amount of \$1,000,000. The sale of alcoholic beverages must be in compliance with the Liquor Control Regulations of the Code of the City of Miami Beach.

The City's Risk Manager must approve the Certificate of Insurance. Once approved, the Certificate will be kept on file in the City's Risk Management Division. The insurance requirements must be met no later than fourteen (14) days prior to load in of the event.

PLEASE NOTE: Insurance requirements cannot be waived.

- **SITE PLAN** - A preliminary site plan must be submitted with the event application. A final site plan must be submitted no later than fourteen (14) days prior to the event.

The site plan must show detailed diagram(s) drawn to scale of the event including: the location of concession booths, portable toilets, dumpsters, public, emergency and accessible routes, location of stages and entertainment and orientation of loudspeakers, locations for electricity and water, generators, lighting towers, A/C units, fenced or walled areas, disability access elements such as accessible parking, accessible paths of travel, accessible portable toilets, and other relevant elements. All generators, lighting towers and A/C units must be fenced in or barricaded to prevent crowds from coming into contact with them. In addition, a narrative describing all temporary installations must be attached for beachfront events. For purposes of herein, "beachfront" is described as seaward of the Coastal Construction Control Line. Once the site plan is approved it cannot be altered without the prior written consent of the City Manager or his/ her designee.

REINSTATEMENT FEE – If required event elements are not submitted within fourteen (14) days prior to load in of event, the Permit Application will automatically be considered denied. The applicant may reinstate the application upon submission of any pending requirements and a Reinstatement Fee equal to the applicable Permit Fee.

PLEASE NOTE: REINSTATEMENT FEES cannot be waived.

B. STEP 2: Internal Review Procedure

All proposed events with projected attendance of 200 persons or greater on public property, or private property where such event would not be incidental generally or without restriction throughout a particular zoning district, will be reviewed by the City's Internal Special Events Committee. The Internal Special Events Committee meets monthly and is composed of representatives from City departments, including, but not limited to Police, Fire, Tourism and Cultural Development, Public Works, Parking, Planning, Code Compliance and Parks Departments. The Committee will review and comment on the proposed site, security, parking, transportation, and any and all other necessary plans for the proposed event. These comments will be incorporated with those received through the neighborhood review process. Tourism and Cultural Development Department staff will indicate the specific requirements the applicant will need to satisfy and the time frame for completing these requirements.

The City Manager will make a final determination on an application for a special events permit within seven (7) days after all special events requirements applicable to the event have been fulfilled. Such requirements must be fully completed by the applicant no later than thirty (30) days prior to the event. Some requirements may require more time.

No refunds will be made after a permit is issued; however, payment does not constitute permission to hold the event. All approved permits must be available for inspection on site at all times.

For special events produced by **501(c)(3)** not for profit organizations (or equivalent), the City Manager may waive permit and application fees, including but not limited to, rental fees for particular City properties, when such waiver is found to be in the best interest of the City. No waivers are allowed for personnel-based expenses (city services), security deposit, late application or late submittal fees. In determining waiver of permit fees, no consideration may be given to the message of the event or content of speech, or to the identity or associational relationship of the applicant. Non-profit 501(c)3 entities are required to provide the City with a copy of the most recent Internal Revenue Service Form 990.

- I. **Major Event Periods (MEP)** – The City first evaluates the City’s needs, impacts and quality of life issues during MEP’s. The City will then also specifically evaluate the impact of events proposed to take place during holiday weekends and major event periods, which create a significant demand on City services and resources. The City may determine an MEP to have high intensity on City services and, therefore, may prohibit the issuance of special events permits during these periods. The City may also determine that enhanced City services are required during such periods. In such instances, costs for enhanced services will be shared equally by and between all permitted events.

The City has identified the following repeat or somewhat regular event periods which historically have a high impact on City services. It is realistic to expect these activity periods to continue to be popular in Miami Beach, bringing large crowds that will require additional City service levels and interagency support. These MEP’s include, but are not limited to, the following:

- October - Halloween, Auto Show
 - November -Sleepless Night, NASCAR Championship Weekend, White Party Weekend
 - December – Art Basel, New Years Eve
 - January - NCAA Bowl Games, Art Deco Weekend, NATPE
 - February - Miami International Boat Show, Brokerage Yacht Show, Food & Wine Festival, and Super Bowl
 - March - Winter Music Conference, Winter Party
 - April – Pride Weekend
 - May - Memorial Day Weekend, Aqua Girl Weekend
 - July - Independence Day Celebration, Swimwear Fashion Week
 - September - Labor Day Weekend
- **The Major Events Committee** will take note of announced events and potential events of significance and initiate customized action plans. Each City department has specific action plans to address the requisite levels of service and outline their efforts and responsibilities associated with any upcoming major event planned within the City.
 - **Major Event Plan** - The Major Event Plan attempts to address the impact of an event and set forth the action plan involved from a preparation and implementation perspective and sets forth each City Department’s service levels contingent upon anticipated population levels associated with each MEP and ancillary/related events.

- II. **Criteria for Grant of Special Event Permit** - The City Manager shall be charged with the responsibility and authority to determine whether a particular applicant shall be granted a special event permit. The City Manager shall have sole authority, subject to the appeal process in STEP 3 of the Guidelines, to approve, approve with conditions, deny, and/or revoke a special event permit upon considering the following factors:

1. **Type of Event**

- a. The type of Event covers aspects of the event that relate to what demands the City is likely to experience and/or numbers of attendees can be expected. Other positives or negatives may stem from the hosting of one show versus another. Community profile, reoccurrence, and nature of the venue all are components to be evaluated in the Type of Event category.
- b. Another important aspect of is the value of ancillary events and conferences that may surround the event (other smaller shows / events). These may or may not be side events directly managed, or a part of, the event under review, or may be shows and conferences from other sponsors that take advantage of the attendee population of the main show. The venues for these other ancillary shows could be local hotels, arenas and parks, in support of the large event. Side events of this type may be considered a positive, from the additional economic impact they may provide, or they may be considered a detriment, depending on the nature and history of these side events.
- c. Whether or not the event is conducted for an unlawful purpose and/or in violation of Federal, State, County or Municipal laws.
- d. The existence of conflict or interference with another event or another applicant who has obtained a valid special event permit. When there are competing applications which are substantially for the same time and place, priority will be given on a first-come, first-served basis, but a first priority will be given to a pre-established, annual event, which is defined as one which has a minimum of five (5) consecutive years of existence in the City under the same ownership, is in good standing (which includes being current on all prior debts), and has complied with other applicable all obligations to the City in a timely fashion.
- e. Whether the event, if public (as opposed to a private or corporate use), features a public benefit component as its primary function and is not, in and of itself, largely a promotional use designed to advertise or create publicity for product(s) to the public.

2. **Economic Impact to the City**

- a. The City will consider the event's long-term, short-term, and indirect effects on profit/costs to local economic industries, including but not limited to hotels, restaurants, entertainment establishments, retail, and the City.
- b. The City will also consider events undertaken by not-for-profit organizations that demonstrate directly helping a charitable cause.
- c. An Economic Impact Survey is required to determine if an event has demonstrated a positive economic impact to the City.

3. **Infrastructure and Service Demands (Quality of Life)**

- a. The City will consider whether the event is compatible with the surrounding neighborhoods and complements the ambience and aesthetics of the area in which it is presented.
- b. The City will consider whether the event poses a public threat to residents, businesses, and visitors, not considering content of speech, message, or reaction to the message.
- c. The stress that a show may place on various City services is considered in the evaluation process. Expenses associated with additional crowd control, policing, security, parking, and traffic shall be considered.
- d. The City will also consider the availability of these needed resources including time, people, money and equipment.
- e. Additionally, more intangible aspects of the effects that an event may have, relating to the

quality of life aspects that may positively or negatively impact the local flavor of the City and the lives of the resident population, are also considered in this area, including the urgency of the event, the realistic time frame, and other events taking place in the City and South Florida area at the same time.

- f. Interference with traffic in the area contiguous to the event, and availability at the time of the proposed event of sufficient City resources to address the events potential impacts and mitigate the potential disruption.
- g. Availability of police officers, traffic control aides and traffic control equipment to protect the participants in the event and protect the non-participants from traffic related and other hazards in light of the need and demand for police protection at the time of the proposed event.
- h. Concentration of persons, vehicles or other structures at the event and feasibility of disbanding the area in order to allow fire, police and ambulance services.
- i. Substantial likelihood of subjecting neighborhood in immediate vicinity of proposed site of event to unreasonable and prolonged noise, littering, or parking difficulties.
- j. City services required for the event cannot be reasonably made available at the time of the proposed event.

4. References

- a. The event shall provide references from other locations that it has used. The evaluation should consider not only the references themselves but the quality of the references and the sources from which they come. A list of references that cover not only the previous venues for that event, but also the references from that City, its police and any civic organization that the past venue impacted showing the good citizenship and positive economic impact the event has had in other places where it has been held.
- b. Whether same or similar event has a history of causing or resulting in a threat to public safety in Miami Beach or elsewhere, except that if the public safety problem was caused by crowd reactions to the event's message, this factor alone, shall not be sufficient cause to deny or revoke a City special event permit.
- c. Material misrepresentation or incorrect material information made in the application process. Prior to a denial or revocation based on this factor, the City Manager shall give the applicant an opportunity to cure, satisfactorily rebut, or revise such evidence.
- d. Failure to complete payment of any sums required for a previous event until such time as payment is received.
- e. Failure to substantially perform a clean-up plan which was made a condition of a previous permit.
- f. Failure to adhere to City policy as prescribed by the Special Events Requirements and Guidelines, or other applicable laws where the health, safety and welfare of the community is potentially affected.

5. Promotional Value

- a. Is the event under consideration a high profile event with good name recognition and a good reputation? The evaluation must try to assess the importance of having the City and the event linked in the press. All positive results that may be derived from the association should be considered. It may be that the value of having the event lies in the other high profile events that traditionally follow this one.

- b. Also, positive publicity surrounding a high profile event may have had the effect of long term increases in local tourism and free positive publicity for the area as a whole, increasing general business activity.

6. Enhanced Staffing Periods

- a. During periods of enhanced or unavailable staffing of City resources (Police, Fire, Code, Sanitation, etc.), The City has not accept applications for new events on public property. Such periods include the month of March, which coincides with college and high school spring break and existing events Winter Music Conference (and with it, the related Ultra Music Festival events), Winter Party, Miami Beach 13.1 and Funkshion Fashion Week.
- b. Some successful events held on private property during such periods may outgrow the capacity of the property and have a need for the City to consider allowing the event to expand onto public property in order to remain viable in The City. In an effort to maintain existing business, the City shall consider the following additional criteria in considering requests:
 - Whether or not the event producer has had a successful track record of obtaining special event permits and producing events in the City for no less than five (5) years with special event permits in a private venue and is in need of expansion.
 - Such applications would be considered on a first-come, first-serve basis, until such resources are no longer able to be reserved.
 - The event(s) could not occur concurrently on both private and public property.
 - The City will consider the event's long-term, short-term, and indirect effects on local economic industries, including but not limited to hotels, restaurants, entertainment establishments, retail, and the City.
 - The City will consider whether the event is compatible with the surrounding neighborhoods and complements the ambience and aesthetics of the area in which it is presented.
 - The City will consider the stress that such an event may place on various City services with expenses associated with additional crowd control, policing, security, parking, and traffic to be borne by the event producer.
 - The City will also consider the availability of these needed resources including time, people, money and equipment.
 - City services required for the event can be reasonably made available at the time of the proposed event.
 - The event must be approved by a 4/7 vote of the entire City Commission.

No permit shall be denied nor shall the applicant for a permit be given less favorable treatment as to time, manner and place on account of any message which may be conveyed at an event, or on account of the identity or associational relationships of the applicant.

No permit shall be denied nor shall the applicant for a permit be given less favorable treatment as to time, manner, or place on account of any assumptions or predictions as to the amount of hostility which may be aroused in the public by the content of speech or message conveyed by the event, provided that reasonable accommodation as to time, manner and place may be required in order for the City to provide the resources necessary for protection of health, safety and welfare.

No event applicant or permittee, shall be required to provide for, or pay for the cost of, public safety personnel necessary to provide for the protection of an event and its attendees from hostile members of the public or counter-demonstrators, or for traffic control outside the event area or for general law enforcement in the vicinity of the event.

III. *Criteria for Approval of Permit* - After all required elements are completed, and City Departments and impacted neighborhoods have reviewed and submitted their comments regarding an application, the City Manager shall do the following:

- Approve the permit;

- Approve the permit with conditions; or
- Deny the permit upon conditions (as set forth in these Guidelines).

If the permit is approved, the City Manager, in consultation with the heads of the affected City Departments, shall also impose any necessary restrictions or conditions as to the time, manner and place to be observed in accordance with public safety, environmental and administrative considerations (based upon the application), provided that such considerations shall not include any consideration of the content of any speech or message that may be conveyed by such event, nor by any considerations concerning the identity or associational relationships of the applicant, nor to any assumptions or predictions as to the response that may be aroused in the public by the content of speech or message conveyed by the event.

After the City Manager approves the issuance of a permit, the applicant may obtain such permit by agreeing to accept the “Terms and Conditions” imposed in accordance with these Guidelines.

If the City Manager denies or subsequently revokes a permit, he will provide the applicant/permit holder with written notification and reasons for the denial/revocation of the permit (which shall be consistent with the criteria in these Guidelines). It is understood and inherent as part of the application process and agreed to by applicant upon submittal of the application, that application does not constitute approval and any and all marketing or production expenses incurred are solely the responsibility of the applicant and not the responsibility of the City regardless of the application’s approval or denial.

IV. *Natural Disaster/Weather* - The declaration of an emergency, threat or a natural disaster, including extreme weather or the existence of a national threat, shall be just cause for the denial or revocation of a Special Event Permit.

Under extreme weather conditions, including lightning storms, the City may temporarily suspend all operations or cancel an event.

C. STEP 3: External Review Procedure

Special events in the City of Miami Beach are subject to review and recommendation by the corresponding neighborhood or business association(s) and/ or as part of a monthly Special Events Community Review. Signature Surveys may also be required for properties deemed to have a direct impact by the event activities. Applicants will be required to present their plans to the appropriate neighborhood association. In the case where there is no legally constituted/recognized association and the expected event attendance exceeds 200, the matter may be referred to the City of Miami Beach Planning Board for review and recommendation. Recommendations from the respective associations or the Planning Board, stating its position on the proposed event, should be submitted to the Special Events Office at least 30 days prior to the event.

The City will only recognize neighborhood associations that have filed for and received official neighborhood status. In order to receive official neighborhood status, organizations must meet the City’s criteria. The City’s criteria and a list of recognized neighborhood associations can be found on the City’s website at www.miamibeachfl.gov.

The City Manager shall consider recommendations from neighborhood association(s) in determining whether to grant a Special Event Permit or what conditions to impose upon granting of the permit. Notwithstanding, the City, through the City Manager, reserves the right to approve, approve with conditions, deny, and/or revoke any Special Event Permit.

Permits may not be transferred, assigned or sublet, without prior written approval of the City Manager. The final decision for authorization of a Special Event Permit remains with the City Manager subject to an appeal as follows.

In the event of a lack of consensus between the neighborhood association(s) (or Planning Board) and the City Manager regarding a decision on a permit, the association(s) (or Planning Board) may appeal the Manager's decision to the Mayor and City Commission for consideration at its next available meeting. The appeal must indicate in writing the association's (or Board's) reasons for disagreement with the Manager's decision in approving or denying the permit being appealed. Such appeal also must be accompanied by a written resolution of a majority of the board of the association (or the Planning Board) indicating the decision to file the appeal. The Mayor and City Commission may affirm, modify or reverse the decision of the City Manager.

If the date scheduled for the proposed event arrives before the next available Commission meeting, the decision of the Manager will be final. If approval of the proposed event is delayed such that the event cannot be held on the date(s) and time(s) specified in the permit application, or if the event is not approved at all, the City will not be held liable for any expense(s), losses, or liabilities or other inconveniences incurred by the applicant as a result of same.

D. STEP 4: Coordination of City Services

Special events often require the supplementing or hiring of City services. The City's Special Events Office will review comments received during the internal and external review processes and will determine minimum staffing levels, with recommendations from the relevant Department directors. The City may also determine that enhanced City services are required during Major Event Periods (MEP's) in order to mitigate excessive stresses on City resources. In such instances, costs for enhanced services will be shared equally by and between all permitted events. The City assumes no liability arising or resulting from the determinations of minimum staffing levels or the requirements for any events.

A list of frequently required services is provided herein.

Fully paid receipts/invoices for required supplemental or City services and equipment rental must be submitted to the Special Events Office no less than two (2) weeks prior to an event. Any additional services rendered by the City for the event will be charged to the applicant and may be deducted from the security deposit. When City personnel are employed, there will be a four (4) hour minimum charge rendered by the appropriate Department to compensate each employee engaged by the applicant.

II. ADHERENCE TO REGULATIONS AND OTHER POLICIES

The City of Miami Beach reserves the right to provide services that it believes are necessary and sufficient to safeguard and ensure the health, safety and welfare for all participants, visitors, businesses, staff and general citizenry. All arrangements for services or facilities shall be staffed and paid for at two (2) weeks prior to load-in of the event. An applicant's budgetary constraints cannot dictate staffing levels required for public safety.

In addition to compliance with all applicable Federal, State and County regulations, the applicant shall comply with all City codes, regulations, and laws. Any other permits, as may be required by the City of Miami Beach, Miami-Dade County, the State of Florida, or the Federal government, must be obtained and adhered to. It is the sole responsibility of the applicant to obtain all permits and comply with all requirements, including but not limited to those described herein.

The City of Miami Beach, under no circumstances, guarantees, warrants or represents that the issuance of a Special Event Permit exempts the event from obtaining, or ensure the obtaining of, any permits or complying with any requirements which may be required currently or in the future by any Federal, State or local authorities, including other permits that may be required by the City.

The City Manager has the authority to alter or end an event at any time it is determined necessary to assure the continued health, welfare and safety of the City's residents and visitors. Lack of compliance with the City Manager's directives, including but not limited to, audio volume and adherence to site plan, shall be sufficient cause to warrant an event's closing (or other remedies provided in the City Code or

herein).

Issuance of a required Federal, State, or local permit does not authorize permission to hold an event. A City Special Event Permit must be issued to constitute authorization from the City to hold the activity.

All pre-payment schedules for City services are due, as indicated, except the City reserves the right to waive this requirement for events which have an exemplary prompt payment history with the City established over the course of at least five (5) years.

- A. Vehicle Access Policy – Use of beaches, parks or pedestrian areas for event related vehicles should be minimized, and whenever possible,** All Terrain Vehicles (ATV's), all terrain gators, and/or golf carts should be utilized by event producers for events taking place on the beach or in pedestrian areas such as parks. Notwithstanding the above, certain events taking place on the beach, in parks or other authorized use areas may require vehicular access for the purposes of loading-in and out of equipment for the event, all such vehicles must be removed from such areas immediately thereafter. There is a vehicle access fee of \$150.00, per vehicle, per event. Event producers may purchase a maximum of ten (10) Vehicle Access Permits per event, unless additional passes are approved by City Manager or his/ her designee. A Vehicle Access Permit will be issued by the Special Events Office and must be displayed on the windshield of every vehicle on the beach. For any beach access, all such vehicles must be escorted on and off the beach by either City of Miami Beach Police, Off-Duty Police or Ocean Rescue. All other authorized access uses (i.e. in City parks) may require escort by City of Miami Beach Police, Off-Duty Police, Ocean Rescue or other designated City employee(s). All vehicles will be restricted to the location(s) listed on the permit.

All operating vehicles on the beach, park or other authorized use area shall follow the procedures listed herein:

- Due care and caution will be utilized at all times while driving any vehicle on the beach, park or other authorized use area.
- All vehicles on the beach, park or other authorized use area shall enter and depart the area ~~beach~~ at the nearest access point to the call.
- Prior to entering the beach, park or other authorized use area, vehicle headlights and overhead flashing lights (if equipped) or flashers will be turned on.
- Drivers must turn off radios and shall roll down both the passenger and driver's side front windows of their vehicle while operating a vehicle on the beach, park or other authorized use area.
- Maximum speed allowed on the beach, park or other authorized use area is 5 MPH.
- Vehicles, SUVs, and trucks are prohibited from driving on the **soft sand** where hard pack sand exists.
- Vehicles, SUVs, and trucks shall stay **west** of the garbage cans on the **hard pack sand** at all times.
- Do not drive over hills or berms (dunes) or near objects that may obstruct your view.
- If you stop and exit your vehicle, walk completely around the vehicle prior to reentering your vehicle and moving it.
- Traffic cones (orange, 18" high) must be placed at the front and rear of vehicles when parked on the beach, park or other authorized use area.
- Use of a cellular phone or walkie talkies while the vehicle is in motion is **prohibited**.
- Personal vehicles are prohibited on the beach, park or other authorized use area at all times.

These procedures are to be complied with at all times by anyone operating a vehicle on the beach, park or other authorized use area. Failure to comply with these procedures may result in immediate revocation of the permit and termination of the event.

- B. Booking Policy -** Public locations are booked on a first-come, first-served basis, but a first priority will be given to pre-established, annual events, which are defined as those events having a minimum of five (5) consecutive years of existence in the City under the same ownership; which are in good standing (which includes being current on all prior debts); which have complied obligations in a timely fashion to the City; and which have demonstrated a positive economic impact on the City of Miami Beach.

A special event shall not be booked if it interferes with a previously scheduled activity, event or repair work scheduled for the proposed site. The City Manager may take into account simultaneously occurring events in the region or other factors that would impact the City's capability to host an event before approving an event.

Dates and locations are reserved on a first-come, first-served basis upon submission of a completed Special Event Application and payment of the Application Fee. Applications are NOT considered as confirmed until all required documentation and payments, as specified in the City's Special Event Requirements and Guidelines, are received by the City.

Dates and locations may be reserved on a Second Hold basis by another applicant if the Second Hold applicant's event is the same or higher level of class of event as the First Hold applicant's event (see Section VII, Special Event Class Matrix, for breakdown on classes of event permits and their respective requirements). A Second Hold applicant may challenge a First Hold application, assuming the First Hold applicant is not a pre-established annual event with a minimum of five (5) consecutive years of existence in the City under the same ownership, if the City has not received all required documentation and payments, as specified in the City's Special Event Requirements and Guidelines from the applicant of the First Hold and only when the Second Hold applicant posts a cash bond in the amount equal to the estimated cost of City services at the time of the date challenge. If a Second Hold application provides this and requests a challenge of the First Hold applicant, the First Hold applicant will be required to post a cash bond in the amount equal to the estimated cost of City services (i.e. Off-duty Police, Off-duty Fire and Sanitation, etc...) within fourteen (14) days of receipt of notice from date/location challenge from the City.

If the First Hold applicant fails to provide the City with the specified cash bond within 14 days of receipt of notice, the Second Hold applicant will then have a First Hold on the dates and location.

If both parties fail to post a cash bond, the dates and location are released and will be made available on a first-come, first served basis.

Bonds: All bonds MUST be either an original bond executed by a surety company, or by cash, money order, certified check, cashier's check, Unconditional Letter of Credit (Form 00410), treasurer's check or bank draft of any national or state bank (United States), in the amount equal to the estimated cost of City services (i.e. Off-duty Police, Off-duty Fire and Sanitation, etc...), payable to City of Miami Beach, Florida, and conditioned upon the successful execution of the special event. Security deposit of the event producer shall be applied toward the costs of City services (off-duty police, off-duty fire, sanitation, etc.) hired by the event producer for the special event, or may be forfeited to the City of Miami Beach as liquidated damages, not as a penalty, for the costs and expenses incurred should said event producer fail to execute the special event as specified in the Special Event Application and Permit. The time for execution of the special event and provision of the Bond may be extended by the City's Tourism and Cultural Development Director for good cause shown.

- I. ***Consecutive-Day Clause/ Limit of permissible events per venue*** - In no case shall a permit be issued to an applicant or venue, for substantially similar events, for more than four (4) consecutive days or five (5) non-consecutive days each during the course of a calendar year. A separate Special Event Permit shall be required for each individual venue of a multi-venue event. Certain public locations are appropriate for special events, but do not have certificates of use and occupancy defining their use. Such locations shall not be limited to the five (5) non-consecutive days per year limitation.

Venues are limited to five (5) special event permits per calendar year. Citywide special events and conventions including, but not limited to, Art Basel, Winter Music Conference, and Miami International Boat Show, shall not count against this 5 special event permit annual limitation.

Business or merchant associations are permitted to have events throughout the calendar year that promote and encourage patronage of the businesses in the geographic boundaries of the association. These events may NOT be retail oriented and MUST be free and open to the general public. A Special Event Permit may be required for such events and shall be obtained by the association. Such approvals shall abide by the City's Special Events Requirements and Guidelines.

The City Manager shall have the discretion to approve a Special Event Permit for events which exceed the consecutive day clause/ Limit of permissible events per venue, and shall also have the discretion to amend, modify or temporarily suspend the permit for such events.

- C. Concession Agreements – Unless calculated Square Footage fee (see D) is greater**, all events which include retail sales or vending will be required to enter into a written concession agreement with the City. Beachfront and non-beachfront events shall provide 15% and 10% respectively of all gross revenues derived from admissions and the sale of food, beverages, and merchandise. In the case where a producer rents booths for the sale of food, beverage and merchandise, the gross rate shall be calculated on the rental and/or concession revenues received by the applicant or the gross revenue generated by the concessions regardless of whether the applicant derives direct or indirect financial gain from such revenue. Copies of concession agreements and full disclosure of all principals must be provided to the Special Events Office two (2) weeks prior to the event.

A notarized statement, certified by a Certified Public Accountant (CPA), of the above referenced revenue, along with payment of the aforementioned percentage, must be provided to the City no later than thirty (30) days following the event. The Security Deposit on file will not be released until such statement and payment have been submitted to and accepted by the City.

Under the terms of the agreements between the City of Miami Beach and its beachfront concessionaires, there exists exclusivity for rental of beach equipment, water and recreational equipment, food and beverage service on the beachfront, east of the coral rock wall at Pier Park (Biscayne Street to First Street); and east of the sand dune in Lummus Park (from Fifth Street to Fourteenth Lane); Ocean Terrace (73 Street to 75 Streets); and North Shore Open Space Park (79 Street to 87 Streets). Additionally, the City may enter into additional agreements in the future with beachfront concessionaires for other beachfront locations seaward of City-owned property and/or seaward of street-ends at public right-of-ways. Any proposed special event to be held on the beach within one of the aforesaid concessionaire's jurisdiction is subject to review by the concessionaire. Notification to the concessionaire by the applicant must be in writing at least 60 days prior to the event. A copy of the applicant's agreement with the concessionaire or a letter of release from the concessionaire must be submitted to the Special Events Office at least thirty (30) days prior to the event.

Up-land Concession Areas – The City issues licenses to operate beachfront concessions to up-land property owners (areas located behind private property) from Government Cut to 87 Terrace. A written release from upland owner concessionaires is required for events proposed behind private property that may interfere with these up-land concession areas and must be submitted to the Special Events Office at least thirty (30) days prior to the event.

- D. Use of Public Property – Unless Concession Agreement (see C) is greater**, permit holders will be charged a net square footage rate of \$.25 per square foot for public property occupied by the event for stages, booths, displays or areas restricted for exclusive use by the event. The Square Footage Fee will be calculated in the following manner:

Enclosed Site: Aggregating the square footage of the total fenced area.

Non-enclosed Site: Aggregating the square footage of the individual fixtures of the event (i.e. stages, booths, tents, display areas, bleachers, etc...).

The City Manager may, in his/her discretion, waive this fee for events by not-for-profit corporations, or other event, when such waiver is found to be in the best interest of the City. In the case that the permit holder is operating under a concession agreement with the City, the net square footage rate may not be

applicable.

E. Event Signage - Sponsorship banners and signage are allowed within the designated event site only and may be displayed only during the event. Banners must be immediately removed from the site following the event.

I. Special Event Billboard Signs - Up to five (5) banners or billboard signs with a maximum size of 4'x8' may be approved for placement in designated public locations in the City. These signs are required to obtain Design Review approval from the Planning Department. A City application must be submitted to the Planning Department, no later than 60 days prior to the event. A Building Permit is also required prior to installation.

II. Street Banners -- Event advertising banners shall not extend or project over any portion of any street, or right-of-way.

III. Lightpost Banners -- Lightpost banners are permitted in the City when approved by the Planning Department and the City Manager for special events taking place in the City of Miami Beach, and by the City Commission, for special events held outside of the City of Miami Beach. The application process begins at the Planning Department for Design Review approval no less than 90 days prior to the special event. Approved lightpost banner design with the banner locations are then forwarded to the Special Events Office. A \$50.00 per banner fee (\$25.00 per banner fee if applicant is a 501(c)(3) or other equivalent non-profit organizations and verified by state records) and \$50.00 processing fee will apply. Lightpost banners on State Roads (i.e. 5th Street, Collins Avenue, 41st Street, etc.) require an additional permit from the Florida Department of Transportation.

F. Grandfather Clause

Notwithstanding the requirements described herein, the City recognizes the intrinsic historical, social, and cultural significance and importance of certain longstanding special events held continuously, on an annual basis, within the City. In recognition of such traditional longstanding events, special events in continuous annual operation since 1985 (Miami Beach Festival of the Arts and Art Deco Weekend) are herein deemed "grandfathered-in" solely for purposes of the following items and shall not be subject to these conditions:

- Square footage fee;
- Lummus Park user fee;
- Street closure sign-off requirement;
- Concession Agreement and User Fee; and
- Security Deposit (Security Deposit will remain at \$2,500).

G. Resort Tax

All events that include sales of food, beverages, alcoholic beverages, or wine are required to levy a two percent (2%) tax, as per Miami Beach City Code Chapter 102, Article IV. A copy of the aforementioned section of the City Code and the Special Event Resort Tax Return forms are available through the Special Events Office. It is the responsibility of the event producer to collect, complete the form and remit payment to the City.

H. Sponsorship Requirements

The following is a list of publicity and credit requirements for events or programs receiving financial or in-kind support from the City of Miami Beach:

- Prominently display City of Miami Beach logo in all promotional marketing materials related to the event/program including, but not limited to, advertisements, brochures, websites, e-mails, newsletters, banners, posters, event programs, and other print and/or electronic publications.
- Include the following credit line in all print news and press releases and broadcast media: "This event/program made possible with support from the City of Miami Beach" and include a quote from City of Miami Beach Mayor.

- One full page full color ad in program guide
- Website link to www.miamibeachfl.gov.
- Events/programs offering travel packages will also provide a link for to the following websites:
 - www.visitmiamibeach.us
 - www.miamiandbeaches.com
- On-stage signage in a prime location (if applicable).
- Provide a booth/display area at all events (if applicable).
- Live announcement(s) during the event by emcee.

All complimentary tickets provided by an event/event producer shall be consistent with the City Commission established policy for the distribution of tickets and the City's Administrative Guidelines for Distribution of any tickets.

The City reserves the right to negotiate additional terms if in-kind and financial support is in excess of \$25,000.

III. **Enforcement and Penalties.**

(a) Civil fine for violators. The following civil fines shall be imposed for a violation of this section:

- (1) First offense within a 12 month period a fine of \$1,000.00;
- (2) Second offense within a 12 month period a fine of \$2,500.00; and
- (3) Third offense and subsequent offenses within a 12 month period a fine of \$5,000.00.

(b) Enforcement. The code enforcement department or the Miami Beach Police Department shall enforce the provisions of this section. This shall not preclude other law enforcement agencies or regulatory bodies from any action to assure compliance with this section and all applicable laws. If a Miami Beach Police Officer or a Code Compliance Officer finds a violation of this section, the Miami Beach Police Officer or the Code Compliance Officer shall issue a Notice of Violation to the violator as provided in chapter 30 of this Code, as may be amended from time to time. The Notice of Violation shall inform the violator of the nature of the violation, amount of fine for which the violator is liable, instructions and due date for paying the fine, notice that the Violation may be appealed by requesting an administrative hearing within ten days after service of the Notice of Violation, and that failure to appeal the violation within the ten days, shall constitute an admission of the violation and a waiver of the right to a hearing.

(c) Rights of violators; payment of fine; right to appear; failure to pay civil fine or to appeal.

- (1) A violator who has been served with a Notice of Violation shall elect either to:
 - a. Pay the civil fine in the manner indicated on the Notice of Violation; or
 - b. Request an administrative hearing before a special master to appeal the Notice of Violation within 10 days of the issuance of the notice of violation.

(2) The procedures for appeal by administrative hearing of the Notice of Violation shall be as set forth in sections 30-72 and 30-73.

(3) If the named violator, after issuance of the Notice of Violation, fails to pay the civil fine, or fails to timely request an administrative hearing before a special master, the special master shall be informed of such failure by report from the Code Compliance Officer or the Miami Beach Police Officer. Failure of the named violator to appeal the decision of the Code Compliance Officer or the Miami Beach Police Officer within the prescribed time period shall constitute a waiver of the violator's right to administrative hearing before the special master, and be treated as an admission of the violation, and fines and penalties may be assessed accordingly.

(4) Any party aggrieved by a decision of a special master may appeal that decision to a court of competent jurisdiction.

(5) The Special Master shall adjudicate a violation upon failure to request an administrative hearing with ten (10) days of the issuance of the Notice of Violation, and shall be prohibited from hearing the merits of the Notice of Violation or consideration of the timeliness of the request for an administrative hearing.

(d) Enhanced penalties.

The following enhanced penalties shall be imposed, in addition to any mandatory fines set forth in (9)(a) above, for violations of this Section:

(1) If the offense is a fourth offense within the preceding 12 month period of time, in addition to the fine set forth in (9)(a), the property owner, event producer or permittee shall be restricted from receiving a Special Event Permit for a three (3) month period of time.

(2) If the offense is a fifth offense within six (6) months following the fourth offense, in addition to any fine set forth in (9)(a), the property owner, event producer or permittee will be restricted from receiving a Special Event Permit for a six (6) month period of time. The property owner, event producer or permittee shall be deemed a habitual offender.

(3) The City Manager may decline to issue future Special Event Permits to such person or entity that have been deemed habitual offenders pursuant to this section for a period of one year, or such other period of time acceptable to the City Manager.

(e) Violations of a Special Events Permit

An issued special events permit will have terms and conditions intended to be followed by the event producer and/or permittee, unless specific arrangements are made only by the City Manager or his/her designee, in writing, after the event permit is issued. Should such conditions and/or arrangements be disregarded by the event producer and/or permittee, his or her vendors or participants, whether witnessed by City personnel or established by photographic or other evidence or testimony afterwards, the producer and/or permittee would be in violation of the special event permit and be subject to enforcement proceedings as provided by City Code and/or these guidelines.

With the exception of violations for which no correction is possible (e.g. noise violation, commercial handbills, event without a required permit, etc.), if the violation is observed by City staff during the special event, the event producer/permittee will be given a time-certain opportunity (30 minutes or other time period as specified by the City Manager or designee) to correct the violation. Notwithstanding, the City retains discretion to proceed directly to the issuance of a notice of violation if the violation is egregious and/or violates conditions expressly provided for in the permit, or if a prior verbal warning for a violation of the Special Event Permit has already been provided. Multiple violations shall be treated as one instance when simultaneously observed. Examples of special event permit violations may include, but are not limited to the following, unless specified by the special event permit: violation of the noise ordinance; unauthorized use of public space; use of unpermitted structures or event elements; improper utilization of the Vehicle Access Pass policy; violation of Conditional Use Permit (CUP) approvals or conditions; violation of Florida Department of Environmental Protection (DEP), Miami-Dade Environmental Resource Management (DERM) or Florida Department of Transportation (FDOT) conditions; violation of regular or temporary occupant load; unauthorized use of branding, promotional activities or sampling; damaging public property without prior approval; or inability to effect proper sanitation plan. Any event that takes place without a special event permit or in an area that is ineligible to obtain a special event permit (e.g. specified non-conforming uses) cannot by its nature be corrected and must be cited and shut down immediately.

The City may issue a verbal warning for first time violations in lieu of a first offense fine.

Such fines are in addition to and separate from any violations issued by the City for noncompliance with other sections of the City Code. The event security deposit will be held until the appeal period has lapsed, the Special Master has made a determination on the case or to satisfy unpaid fines. The City may increase the security deposit requirement for any issued or future permit. The City reserves its rights to pursue alternate enforcement proceedings and penalties as provided for and allowed by law.

IV. CITY OF MIAMI BEACH AGENCIES

A. Building Department

- I. ***Building and Electrical Permits*** - Pursuant to the South Florida Building Code, the City's Building Department must issue a building permit for all special events involving temporary construction or the use of temporary electrical power., Examples of temporary construction include, but are not limited to, freestanding tents, stages, fences, bleachers, and electrical. The applicant must present a copy of the Building Permit to the City's Special Events Office at least fourteen (14) days prior to the event.

- II. ***Americans with Disabilities Act*** - All special events must be designed and operated in a manner to be in compliance with Chapter 553, Florida Statutes (the Florida Accessibility Code). The following checklist is provided for guidance as to how compliance must be achieved:
 1. Ensure curb cuts and cross walks are kept free and clear for usage, with a continuous accessible route of 44 inches in width.
 2. The Event producer must ensure that any nearby accessible on- or off-street parking ("handicapped parking") is not obstructed by vehicles loading/unloading equipment, etc. If such obstructions occur, the Event producer must see that such obstructions are removed immediately. Accessible parking spaces shall be connected to the site's continuous accessible route, with no obstructions between the accessible parking spaces and the curb ramps that serve those spaces.
 3. Any and all accessible routes created and/or installed by the Event producer, or under the Event producer's supervision, must have no abrupt change in level in excess of ¼ inch. Where such changes in level are present, properly bevel the change in level at a 1:2 ratio or provide a ramp with a slope not to exceed a 1:12 ratio. This is necessary to allow passage of wheelchairs or strollers and prevent tripping or the catching of walkers and canes. Any ramps provided must be in compliance with all Florida Accessibility Code requirements, including, but not limited to, requirements regarding edge protection, handrails, and surface.
 4. Provide a smooth transition between temporary pathways and any ramps, sidewalks, streets, or parking lots. This means no change in level exceeding ¼ inch. Any change exceeding ¼ inch requires beveling at a 1:2 ratio or the installation of a ramp with a slope not to exceed a 1:12 ratio. Any ramps provided must be in compliance with all Florida Accessibility Code requirements, including, but not limited to, requirements regarding edge protection, handrails, and surface.
 5. All cashier counters (counters where money transactions occur) must be no higher than 36 inches maximum above finish floor, for a minimum length of 36 inches.
 6. Maintain an accessible route for access to merchandise that is both within a vendor space, as well as merchandise not contained within a vendor space. If the overflow of merchandise for patron viewing is placed behind a booth, then provide adjacent access to the merchandise via a curb ramp, as well as the placement of a pathway with a stable and firm surface necessary for the use of wheelchairs and mobility aids.

7. Merchandise for display should be within a line of sight no higher than 48 inches for persons of short stature or wheelchair users. If merchandise is displayed higher than 48 inches, merchant must provide assistance to disabled customers in order to reach items.
8. All vendor spaces shall be located on an accessible route that is a minimum of 44 inches wide.
9. If tables and seating are provided for the consumption of food, all aisles adjacent to accessible fixed seating shall provide 30 inch by 48 inch clear floor space for wheelchairs. Where there are open positions along both sides of such aisles, the aisles shall be not less than 52 inches wide.
10. For wheelchair seating spaces provided at tables or counters, knee spaces at least 27 inches high, 30 inches wide, and 19 inches deep shall be provided. The tops of accessible tables and counters shall be from 28 inches to 34 inches above the finish floor or ground.
11. Where food or drink is served at counters exceeding 34 inches in height for consumption by customers seated on stools or standing at the counter, a portion of the main counter which is 60 inches in length minimum shall be provided in compliance with the requirements of Items #9 and #10 above, or service shall be available at accessible tables within the same area.
12. Where portable toilets are provided, an accessible route shall be provided to the toilets. Five percent (5%) of the total number of toilets must be accessible. If clusters of portable toilets are distributed throughout the site, then each cluster must have accessible units.
13. If general assembly seating or standing space is provided for audience members attending a public performance at a special event, reserved wheelchair seating must be provided. Such seating must be provided in a location that allows wheelchair users an unobstructed line of sight to the stage. If seating capacity accommodates greater than 300 persons, then accessible seating shall be dispersed throughout the venue.
14. All flyers and written promotional materials for the event should be made accessible to people with disabilities, including those with hearing and visual impairments. It is recommended that the following statement be included on promotional materials: "Call [your number followed by word "voice"] or the Florida Relay Service (TTY) at 711 to request material in accessible format; sign language interpreter (5 days in advance), or information on access for persons with disabilities". Sign language interpretive services must be provided, if requested by the City five (5) days in advance of the event.
15. For performers who are disabled, all stages, show mobiles and dressing areas must be accessible.
16. All ADA considerations must be identified and detailed on the site plan. The site plan will be submitted to the Building Department Accessibility Plan Reviewer for approval.

B. Code Compliance

- I. ***Field Inspector*** – The City may require the applicant to hire a **Field Inspector and/or a Code Compliance Officer to serve as an overall on-site coordinator, whose responsibility will be to ensure that all services are provided, the event runs smoothly, and that all Federal, State and local rules, regulations and ordinances are complied with.** Special event producers agree and understand that a **Field Inspector and/or a Code Compliance Officer**, which will report to and be under the direction of the City, may be required in order to ensure compliance, as approved by the special event permit, and the conditions imposed with the issuance of such permit. Enforcement includes all activities leading up to, including, and following the conclusion of permitted endeavors. Event producer further agrees and understands that any and all costs associated with such Field Inspector and/or Code Compliance Officer shall be borne by the producer and reimbursed to the City prior to refund of security deposit pursuant to **Section A (VII)** herein.

Field Inspector and/or Code Compliance Officer may be required for events with expected attendance of 1,000 persons or greater. Field Inspector/Code Compliance Officer requirement for all other events will be determined on a case by case basis.

- II. **Signs (Flyers) & Hand Bills** - The City regulates the distribution of flyers, handbills or stickers. Specifically, distribution of handbills upon premises of another when requested not to do so is prohibited, and placing or distributing any handbills on vehicles is prohibited as per City Code Sections 46-92 and 82-412. Violations will be issued by Code Compliance for violations on public property and for handbills placed on automobile windshields carrying a fine of \$50 for each sign (flyer) or handbill and a \$23 removal charge per sign.
- III. **Noise Ordinance** - The City prohibits unreasonable and disruptive noise that is clearly incompatible with the normal activities of certain locations at certain times. Both the Miami-Dade County Noise Ordinance, Section 21-28 of the Code of Miami-Dade County, and City of Miami Beach Noise Ordinance, Article IV, Sections 46-151 to 46-162, are applicable and enforceable to both public and private property within the City. These Ordinances make it unlawful for any person to make, continue or cause to be made any loud, excessive or unusual noise. If the excessive noise occurs between the hours of 11:00PM and 7:00AM in such manner to be plainly audible at a distance of 100 ft from the building, structure or vehicle in which it is located, this shall be prima facie evidence of a violation of the Ordinances.

If a noise violation occurs, the enforcing Code Compliance Officer will require that the noise be lowered to an acceptable level. Failure to comply with a request from the Department of Code Compliance concerning violation of the Ordinances may result in the immediate revocation of a Special Event Permit and/or immediate cease and desist of event activity.

C. Fire Department

- I. **Off Duty Fire & Paramedic Services** - Depending upon the type of event and estimated attendance, off-duty or private fire rescue personnel may be required at the expense of the applicant. As a general rule, a minimum of one paramedic for up to 1,000 people and two paramedics for up to 5,000 people, and a rescue unit for up to 10,000 people, which consists of 2 paramedics and a team leader, are required. Enclosed events and tents over 400 square feet may require off duty Fire Inspectors depending on the type of event and estimated attendance. The City of Miami Beach assumes no liability arising or resulting from the determinations of minimum staffing levels or the requirements for any events.

The final decision for the minimum number of Fire Rescue/Prevention personnel required will be determined by the City's Fire Chief or his/her designee.

- II. **Enclosed Events Site Plan And Occupant Load** - Site plans for enclosed events requiring fencing or tenting must be submitted for review and approval to the City's Fire Department. Building Department permits cannot be issued until the Fire Department approves the event site plan. Non-substantial on-site adjustments to site plans may be made in consultation with and approval of the City's Fire Marshal, or his/her designee. The Fire Department requires a 20 foot emergency vehicle access lane between easternmost portion of the sand dune and any fencing or tents for all beachside events.

Enclosed events are required to adhere to an occupancy number, as well as comply with the requirements determined by the City's Fire Department, once site plan is approved. A walk-through to verify that the actual setup meets with the approved plan will be conducted prior to the event opening. Event promoters are responsible for adhering to the determined occupancy number and any violation of the occupancy number can result in penalties and /or fines.

- III. **Fireworks Permit** - All events, public or private, featuring a fireworks display or pyrotechnics must obtain a fireworks permit from the City's Fire Department, which may only be applied for by a licensed and insured contractor. A written request for the permit must be submitted to the Fire Department at least 30 days prior to the event and approved no later than 11 days prior to the event.

Following approval of the permit, the Fire Prevention Bureau will make a site inspection. A minimum of two (2) fire fighters will be required to be on-site from the time the fireworks are delivered at the site, until termination of the display and the removal of all fireworks and debris from the site. Payment for required fire personnel will be the sole responsibility of the applicant and must be made two (2) weeks prior to the event.

The firm or individual responsible for setting up and setting off the fireworks must obtain a Comprehensive General Liability or Fireworks Display Liability Insurance policy (see Insurance Section for language and rating requirements).

- IV. **Open Pit and Bonfire Permit** - Separate permits are required for open pit and bonfires, which may only be applied for by a licensed and insured contractor. Applications for a permit may be obtained from the Fire Department, and must be approved and paid to the City at least two (2) weeks prior to the event. These activities will require hiring off-duty fire personnel. Such activity on the beachfront is subject to Florida Department of Environmental Protection regulations governing heat transference and lighting during Marine Turtle nesting season (May 1- October 31).

D. **Miami Beach Convention Center**

On occasion, events, meetings and/or conventions taking place at the Miami Beach Convention Center (MBCC) may desire extending their production onto Convention Center Drive, between Dade Boulevard and 17 Street, and into the City's Preferred Parking Lot. In such event, the City considers this use an extension of the MBCC premises. As such, all City requirements including, but not limited to insurance, indemnity agreement, site plan, security plan, and sanitation plan will be incorporated into the respective event's agreement with the MBCC and will be coordinated by the MBCC.

The MBCC will complete a special event questionnaire (please refer to attached Appendix C) and provide the Department of Tourism and Cultural Development a copy of all required documentation pertaining to the event for the department file. If street closures are requested, the Department of Tourism and Cultural Development will assist in coordinating this request, as well as all other items as may be required.

E. **Ocean Rescue**

Depending upon the location and type of event, estimated attendance, and hours of operation, off-duty lifeguards may be required. The Captain of the City's Ocean Rescue will determine the minimum number of lifeguards.

F. **Parking Department**

Overall Parking Plan - A comprehensive Parking Plan which identifies where parking is to be provided for event staff, equipment vehicles, and event participants, as well as the location and amount of accessible parking spaces must be developed, in writing, and approved by the City's Parking Director or his designee. Public parking resources may be supplemented with privately owned parking areas to accomplish this plan. All fees incurred through use of Parking Department resources, which may including meter rentals, off-duty enforcement officers or rental of lots, must be pre-paid in full no later than two (2) weeks prior to the event.

- Valet ramping spaces are to be used exclusively for ramping and valet related operations. All other activities are explicitly prohibited.
- Parking meters shall not be used for advertising or marketing related activities, unless associated with a special event as defined herein.

G. Parks and Recreation Department

- I. **Facilities and Personnel** - Many City of Miami Beach recreation facilities, amphitheaters, and parks are available for rent during non programmed hours for special events, and have specific fees, based upon hours of usage, including setup and breakdown times. Request for usage must be at least one month prior to the event. Rental payments for such facilities must be made two weeks prior to the event. Proof of payment must be submitted to the Special Events Office. Applicable user criteria will be available for park venues through the Parks & Recreation Department.

Depending upon the venue, nature and scope of the event, the hiring of City of Miami Beach Parks and Recreation personnel may be required. A City facility (e.g., a building) used for a special event must be staffed by a City employee. Depending on usage, additional facility staff, janitorial service and electrical staff charges may be applicable. Payment for the staffing is the sole responsibility of the applicant, and must be received no later than two (2) weeks in advance of the event.

II. **User Fees**

Park User Fees - A special event impact fee will be imposed for all events taking place at a City Park including, but not limited to, Lummus Park, South Pointe Park, Collins Park, Flamingo Park, SoundScape and North Shore Open Space Park. Lummus Park includes the area east of Ocean Drive, the park itself, and the beachfront east of the park from 5 – 15 Streets. This supplementary user fee will be calculated at the rate of twenty-five (25%) percent of the total cost of City services for the event. These funds will be used exclusively for enhancements to those parks utilized by said events.

Lincoln Road User Fee

For events taking place on Lincoln Road, Lincoln Lane or the finger streets from Lincoln Lane South to Lincoln Lane North along Lincoln Road, a special event impact fee will be imposed. This supplementary user fee will be calculated at the rate of twenty-five (25%) percent of the total cost of City services for the event. These funds will be used to enhance Lincoln Road. Due to the unique characteristics of the 1100 block of Lincoln Road, impact fees derived from events taking place in this area shall be separated and used to enhance the 1100 block of Lincoln Road exclusively.

H. Police Department

- I. **Security Plan and Services** - Depending upon the type of special event and estimated attendance, security personnel, such as off-duty police personnel and private security personnel, may be required.

The Security Plan shall be prepared by the event producer in consultation with the Office of Special Events and the City of Miami Beach Police Department's Off-duty Office. The plan shall specify the number of off-duty officers or private security guards, if applicable, hired by or expected to be hired by the applicant. At the option of the applicant, the entire security personnel may be comprised of off-duty police personnel.

Cost of off-duty police personnel is dependent on the number and rank required. As a general rule, if four or more officers are required, one must be a supervisor (sergeant or above). Larger contingents of officers may require additional police supervisors.

Payment for off-duty police services, based on the estimate, is required to be paid in full no less than two (2) weeks in advance of the event. Payment adjustments for off-duty police services, based on a final invoice, is required to be paid in full no more than two (2) weeks after the event.

The Chief of Police or his designee will make the final determination of minimum levels of police security.

Any private security personnel contracted for by the applicant must be licensed by the State of Florida. If security personnel are to be hired, a list of names and license information must be provided to the City's Police Department no less than two (2) weeks in advance of the event.

The City's Police Department may require additional security or off-duty police personnel for crowd control, traffic control and general security during the event. The minimum number of police personnel is dictated by the Off-duty Police Coordinator and is dependent upon the type of event, date of event, time of event, location of event, the site plan for the event, the type of entertainment during the event, whether alcohol is consumed at the event, and the estimated attendance at the event.

- **Overnight & Backstage Security** -- Applicants may contract, at their own expense, for off-duty police services or with private security guards for overnight and backstage security concerns. On-stage security will be handled by private security at the applicant's expense.
- **Marine Patrol** - All water-based special events, or those activities likely to attract crowds to or near the water, must provide prior written notice to the Miami Beach Police Marine Patrol and Beach Patrol. Certain events may require prior written authorization from the United States Coast Guard and may also require off-duty services and equipment from the City's Marine Patrol, Florida Marine Patrol, or United States Coast Guard, at the expense of the applicant. In such cases, written authorization is required no later than thirty (30) days prior to the event.
- **Police Escorts for Entertainment** - If so requested, the City may supply police motorcycles or car escorts for entertainers. This service must be arranged in advance of the event and must be listed in the proposal for the event. The cost for this service is determined by the City's Police Department and will be at the applicant's expense.

- II. **Street Closures** - Certain streets within the City of Miami Beach may be temporarily closed to limit or exclude vehicular and/or pedestrian traffic prior to, during, and after any special event. Depending upon the location, additional approval may be required from Miami-Dade County or the State of Florida. The City Manager, in his/ her discretion, may also require applicants to provide "sign-offs" showing approval from a majority of landlords and/or residents (or their group representatives) whose direct vehicular access to buildings will be affected by the proposed closure. Regardless of the jurisdiction, the Chief of Police and the City's Public Works Director must first approve street closures with final approval retained by the City Manager. Requests for street closures must be made at least forty-five (45) days prior to the event.

In closing a State street (i.e., 5 Street, Collins Avenue, 41 Street, Alton Road, 71 Street, and Harding Avenue) prior approval is required by the Chief of Police, City's Public Works Director, and City Manager. The application must be processed at least 30 days prior to the event. The applicant must then forward the completed application to the Florida Department of Transportation (FDOT) to receive the FDOT permit. FDOT must receive application at least 30 days prior to the event.

In order to close a County street (i.e., Venetian Causeway/17th Street) the application will be forwarded to the Miami-Dade County Public Works Department by the City's Police and must be received at least 30 days prior to the event in order to send to the County for processing.

- III. **Barricades & Electronic Signs** - Barricades and electronic directional signs may be required, depending upon the location and/or site plan of the event, to cordon off the surrounding areas or to close streets to vehicular traffic. The City's Police Department, along with the Parking Department, will determine the number and location of barricades.

The rental cost of barricades and electronic directional signs will be incurred directly by the event

producer. Payment is the sole responsibility of the applicant, as is actual set-up and removal of barricades on the event date(s).

IV. Parade Requirements –The City Code defines "Parade" as any march or procession consisting of persons, animals, vehicles or any combination thereof, traveling upon any public way, within the territorial jurisdiction of the City. All parades must abide by Section 106-346 of the City Code. Pursuant to this Code Section, a separate permit to hold a parade must be obtained from the Chief of Police. The permit application must be filed not less than 15 days nor more than 90 days prior to the day on which it is proposed to be held, and simultaneously copied to the Special Events Office.

The Chief of Police may revoke a parade permit at any time he determines the parade is to be conducted or is being conducted in violation of the terms of issuance. Any applicant aggrieved by the Chief's decision may appeal it to the City Manager.

V. Demonstrations, Pickets and Free Speech Activities - The First Amendment of the United States Constitution affords demonstrators the constitutional right to assemble and speak in a peaceful and orderly manner. Therefore, the City shall not require or issue permits for such activity. Demonstrations and pickets consist of activities which are generally performed in public in support of or against a person or cause and which may have the potential for impeding movement along a public right-of- way or other disruption. Organizers of such events are asked to submit a questionnaire, site plan, and to notify the City of Miami Beach Police Department Patrol Division Commander of their intentions, and to provide details of the planned activity in order to ensure the health safety and welfare for all concerned. If requested by the Special Events Office, a copy of an approved Police plan should be provided. There may be instances where the nature of the demonstration and/or the number of participants (including counter-demonstrators) will require restrictions in order to protect the health, safety and welfare of every citizen by means of providing crowd control, traffic control and general security to the public. Such restrictions will be communicated to the individual or group prior to the activity. The Special Event Permit Requirements do not apply to such activities. Demonstrations, Pickets and Rallies must abide by Section 106-346 of the City Code.

I. Property Management

Based on the electrical, engineering and/or plumbing impact of a special event on City property, the applicant may be required to hire City electricians, engineers or plumbers.

J. Public Works Department

Environmental Resource Management

These items listed below are to intended help preserve the health and welfare of the City of Miami Beach's coastal areas.

Vehicles

- Vehicles allowed to access and remain parked on the beach during an event **MUST** display a temporary parking placard
- All vehicle access to the beach is restricted. Access points **MUST** be identified by City staff for each event.
- All vehicles shall require a police or beach patrol escort when crossing on to the hard pack (beach) and at all times east of the Erosion Control Line.
- All vehicles should utilize lights and flashers when traveling on the beach

Parking

- Any vehicle parked on the beach shall be prevented from distributing fluids on the ground (sand) by the placement of an absorbent pad under the engine compartment – these pads shall be properly

disposed off once the vehicle vacates the beach

- All vehicles parked on the beach shall have cones placed at the front and rear of the vehicle

Fuel

- The storage of any petroleum product or chemical shall be prohibited unless prior approval has been issued by the City – storage of such material shall be in accordance with life safety and environmental regulations – storage shall be in appropriate spill proof containers for type of chemical, shall be stored a significant distance away from any population, storage area shall contain signage identifying the storage site and indicating which type of chemicals are being stored – required clean up of any chemicals will be at the expense of the applicant
- The fueling of vehicles on the beach (event site) shall be strictly prohibited unless given a special fueling permit where the applicant must act according to approved standards – fuel must be stored in spill proof containers etc. Such a permit is only approved by the City's Environmental Division.

Temporary Construction

- A site inspection, by the City, shall be required prior to and after an event to ensure that the event site and surrounding area has been restored to a clean and acceptable condition
- When possible, tents shall be secured with water barrels in place of ground stakes – where ground stakes are used, the holes shall be filled, compacted and area raked or graded to restore to natural conditions
- Any structures requiring permits from the City's Building Department or Public Works Department shall be required to be reviewed by the City or County Division of Environmental Resource Management (DERM) for potential environmental impacts

Live Animals

- The incorporation of animals in any special event shall require adequate ground cover under cages – material shall be absorbent in nature and not permit the transfer of fluids to the ground.

Dune System

- Absolutely no activity is permitted within protected dune area – a minimum of a 20' setback west of the west end of the dune and 20' east of the east dune line shall be required.
- Pedestrian traffic to special events shall only use demarcated pathways and dune crossovers for ingress and egress to event site.
- Directional signage must be provided when public access at a dune crossover is blocked.

Beach Impacts (other)

- Special Events occurring during hurricane season shall have an emergency evacuation plan that will go into effect within eight (8) hours of a hurricane warning and be completed within twenty-four (24) hours – all equipment, material, staff, staging, vehicles and associated appurtenances shall be removed from event site within the allotted time

Right-of-Way Permit-- A Right-of-Way Permit must be obtained when there is anchoring to or excavation of any right-of-way or City property. The method of anchoring or location of any excavation may be denied or altered by the City based on potential hazards to existing utilities. The cost for such permit will be pursuant to City ordinances (concerning work on the right-of-ways) and may include a cash bond based on estimated potential damage to City property. Proof of financial ability to cover estimated damages must be submitted to the Special Events Office. For events occurring on City streets or sidewalks, an inspector from the Public Works Department will inspect the area in question prior to the event for any hazards, potholes or damaged fixtures. Any problems will be repaired or noted. A visual inspection will take place following the event to identify any damage to City property caused by the event.

Any identified damages in the City right-of-way, on termination of the permit, will have to be repaired by the event producer within a time specified by Public Works. If the producer fails to complete these repairs in a timely manner or wishes the City to complete such restoration work, then costs incurred by the City, including reasonable overhead expenses, will be deducted from the Security Deposit and the event

producer will be charged for any, such costs not covered by the deposit (as per Section A Step 1).

K. Sanitation Department

Applicants shall be solely responsible for cleaning the area during and after the event. Should the applicant choose, the City will provide personnel for this function. The cost of the clean-up will be calculated by the City, and will include dumping fees and equipment rental. Should an alternate cleaning service be contracted, the applicant shall be responsible for obtaining all necessary dumpsters, including separate dumpsters for single-stream recyclables. All arrangements and removal of garbage, trash, recyclables, and other debris are the sole responsibility of the applicant. A City permit authorizing placement of dumpsters must be obtained through the City's Sanitation Department, and submitted to the Special Events Office no less than two (2) weeks prior to the event. Applicants are required to meet sanitation standards to assure an adequate number of litter and recycling containers are on-site, and must encourage guests to comply with the City of Miami Beach's anti-litter efforts. At minimum, one recycling container is required per designated trash collection area. Glass containers and plastic straws are prohibited. Applicants shall ensure that the event site is returned to its original condition within twenty-four hours. Failure to clean up after the event will result in a fine (as per Section III herein) issued to the event producer, as well as additional charges for City services.

Applicants seeking use of public restroom facilities outside of standard operating hours may also be required to hire attendants to facilitate public restroom maintenance and supplies during the event. These services may be contracted through the Public Works Department. Proof of payment must be submitted to the Special Events Office at least two (2) weeks prior to the event.

V. OTHER AGENCIES

A. The Miami Beach Visitors and Convention Authority (VCA) and Cultural Arts Council (CAC)

The City of Miami Beach does not directly fund special and cultural events. The VCA and CAC utilize City funds for the purpose of special and cultural event funding. Approval of an application for funding by either the VCA and/or the CAC shall not constitute either expressed or implied approval of a special event permit by the City of Miami Beach. Should the VCA or CAC fund an event, the appropriate logo shall be incorporated in all event print advertising or promotional materials, as per the funding terms and conditions of the VCA and / or the CAC.

B. Miami-Dade County

- **Permit for Temporary Food Sales** - The Miami-Dade County Department of Business and Professional Regulations, Division of Hotels & Restaurants, sets forth rules and regulations for safe operation of temporary food service establishments. To obtain the necessary permits, sponsors or applicants must notify the Department of Business and Professional Regulations no later than three (3) business days prior to the event. A license fee for a 1-3 day event is \$40.00 per vendor.
- **Beach Cleaning** - Applicants desiring use of the public beach must arrange for the cleaning of the beach, prior to, as well as after, the event, as necessary. Beach cleaning may be arranged with the Miami-Dade County Parks Department or a private sanitation company approved by the Miami-Dade County Parks Department. Proof that clean-up arrangements have been made must be submitted in writing to the Special Events Office at least two (2) weeks prior to the event.

C. State of Florida

- **Department of Environmental Protection, Division of Beaches and Shores** -- If an event is to be held on the beach, a State Field Permit is also necessary for all temporary non-portable structures on the beach, east of the Coastal Construction Control Line. This would include, but not be limited to, the following types of temporary structures: stages, fences, tents, lighting and sound

systems. A detailed site plan and written narrative description of all installations must be submitted to the Special Events Office no later than 60 days prior to the event.

As conditions of the State Field Permit, the State also calls for the protection of marine turtles during the marine turtle nesting season, beginning May 1, and ending October 31, in Miami-Dade County. Conditions relevant to areas east of the Coastal Construction Control Line (CCCL) include: structures to be constructed and left overnight, including temporary fencing, shall have 3 feet of vertical clearance and shall be located as far landward as possible; no lighting associated with the event is authorized after 9:00 pm without approval from the State of Florida; and permit holders may be required to hire turtle monitors from sundown to sunrise. Other conditions, as prescribed by the State may apply.

Events requiring exemptions from any of the above marine turtle nesting conditions will need to provide the City with written approval from the State of Florida Wildlife Commission.

Florida Statutes, Chapter 161, calls for the protection of beach dune systems and impose fines for damage caused to the natural dune systems along the Beach. It is the responsibility of the applicant to provide adequate security measures to ensure protection of the dune area from damage that may be caused by an event.

- **Division of State Lands** -- Depending on the type and nature of the event(s), the Division of State Lands has the right to negotiate a separate use agreement with the special event producer and will charge for the use of the land. This fee may include a contribution to the State Lands Trust Fund, as well as a use fee, and would require State of Florida Cabinet approval. If applicable, proof of the Division of State Lands approval shall be submitted to Department of Tourism and Cultural Development before a permit is issued.
- **Florida Marine Patrol** - Any type of water activity held within the City of Miami Beach must give notice to the Florida Marine Patrol. Notice must be in the form of a letter, with a copy to the City provided no less than two (2) prior to the event.
- **Division of Alcoholic Beverages and Tobacco** -- If the event is being produced by a not-for-profit organization which desires to sell or serve alcohol, the organization must apply for a temporary liquor license from the State of Florida, Division of Alcoholic Beverages and Tobacco under Florida Statute 561.42. In order to obtain the license from the State, a letter of authorization must be obtained from the City. Prior to the issuance of this letter the following must be submitted:
 - * Certificates of all applicable insurance including, general liability and liquor liability.
 - * A completed Indemnity Agreement.
 - * A signed letter on letterhead from the non-profit organization agreeing to have the temporary liquor license in the organization's name.

- **Florida Department of Transportation**

Lightpost Banners -- Banners proposed to be placed on State Road lightposts require an additional permit from the Florida Department of Transportation, following Design Review approval from the City's Planning and Zoning Department and approval from the Miami Beach City Commission. Depending upon the scope and nature of the event, additional State permits may be required.

D. Federal Government

- **Federal Aviation Administration** - Any type of unusual air activity above the City of Miami Beach planned in conjunction with a special event, which has the potential to disrupt commercial air

traffic, must be approved by the Federal Aviation Administration (FAA). Approval will be requested through the City's Department of Tourism and Cultural Development on the applicant's behalf.

- **Coast Guard** - Any individual or organization planning to hold a regatta or marine parade which, by nature, circumstances or location, will introduce extra or unusual hazards to the safety of lives on the navigable waters under the jurisdiction of the U.S. Coast Guard, shall submit an application to the Coast Guard District Commander having jurisdiction of the area where it is intended to hold such regatta or marine parade. Examples of conditions which are deemed to introduce extra or unusual hazards to the safety of life include, but are not limited to; an inherently hazardous competition; possible effect on the customary presence of commercial or pleasure craft in the area; any obstruction of navigable channel which may reasonably be expected to result; and the expected accumulation of spectator crafts.

Where such events are to be held regularly or repeatedly in a single area by an individual or organization the District Commander may, subject to conditions set from time to time by him/her, grant a permit for such series of events for a fixed period of time, not to exceed one (1) year.

The application shall be submitted to the Coast Guard no less than 30 days prior to the event.

The application shall include the following details:

- 1) Name and address of sponsoring organization.
- 2) Name, address, and telephone of person or persons in charge of the event.
- 3) Nature and purpose of the event.
- 4) Information as to general public interest.
- 5) Estimated number and types of watercraft participating in the event.
- 6) Estimated number and types of spectator watercraft.
- 7) Number of boats being furnished by sponsoring organizations to patrol event.
- 8) A time schedule and description of events.
- 9) A section of a chart or scale drawing showing the boundaries of the event, various water courses or areas to be utilized by participants, officials, and spectator craft.

VI. SPECIAL EVENTS FEE SCHEDULE

SPECIAL EVENTS FEE SCHEDULE (see VII Class Matrix for breakdown)

SPECIAL EVENTS PERMITS

Class G permit (public use)			
Average attendees per day	Application Fee	Permit Fee	Security Deposit
Up to 150 (no City services required)	\$250.00	\$250.00	\$2,500.00
Up to 1500 (City services required)	\$250.00	\$250.00	\$5,000.00
1501 to 5000 attendees	\$250.00	\$500.00	\$10,000.00
5000+ attendees	\$250.00	\$500.00	\$20,000+

Class C permit (private commercial property use only)		
Application Fee	Permit Fee	Security Deposit
\$250.00	\$250.00	\$2500.00

Late Application Fee: \$250.00- A late application fee, equivalent to the determined application fee per above, will be charged if application is received later than required deadline (60 days for events on public property; 30 days for events on private property).

REINSTATEMENT Fee: \$250.00/ \$500.00 - A late submittal fee, equivalent to the determined permit fee per above, will be charged when requirements for approval of special event permit are not received in the Office of Special Events fourteen (14) days before load in of event commences.

Security Deposit: \$2,500/\$5,000/ \$10,000/ \$20,000+ - A refundable security deposit will be required no later than fourteen (14) days in advance of the event. Based on the scope and location of the event, a pre and post-event site inspection may be conducted by the applicant and appropriate City personnel to determine existing conditions and evaluate potential damages, if any. Security deposits will be refunded approximately in 3-4 weeks after event if all conditions are followed; public property is left in as good condition or better and without damage and all City invoices paid. Failure to comply with conditions imposed may result in forfeiture of the entire or part of deposit.

WEDDING/ CEREMONY/ TEAM BUILDING PERMITS

	Permit Fee
Per Wedding/ Ceremony/ Team Building use	\$125.00

TEMPORARY SAMPLING PERMITS

	Permit Fee	Security Deposit
Per team, per day (5 persons total in the same vicinity)	\$2,000.00	\$2,500.00

OTHER SPECIAL EVENT FEES

Vehicle Access Pass: \$150.00 per pass/per vehicle/per event.
Square Footage Fee: \$.25 per square foot + 7% Sales Tax (N/A with a Concession Agreement).
AND/OR
Concessions Agreement:
<ul style="list-style-type: none"> ○ Beach Events: 15% of food, beverage, ticket sales and merchandise. ○ Non-Beach Events: 10% of food, beverage, ticket sales and merchandise.
Taxes: You are required to pay a 7% State sales tax and a 2% Resort Tax (on food and beverage only).

<i>Please remit the 2% Resort Tax payment on a separate check.</i>
Park User fee: 25% of the total City Services not including administrative fees.
Lincoln Road User fee: 25% of the total City Services not including administrative fees.
Light Pole Banners Banners announcing special events either to be held in city or to be associated in some manner with the city, as determined by the city commission, may be erected up to 30 days prior to the event being announced and must be removed within seven (7) days after such event. Special event banners shall require prior approval by the city commission. Fees: <ul style="list-style-type: none"> • \$50.00 per pole For-Profit/ \$25.00 per pole Non-Profit • \$50.00 administrative fee – per application
Building Department Permit fees: Please contact the Building Department for fee schedule please call 305-677-7610 or visit www.miamibeachfl.gov . <ul style="list-style-type: none"> o Tent Permit; Fence Permit; Stage Permit; Electrical Permit; Bleachers Permit; Restroom (Port-a-lets) Plumbing Permit ; Pool cover Permit; Temporary Occupant Load.
Police Department: For information on <u>off-duty Police services</u> please contact off-duty at 305-673-7823.
Fire Department: For information on <u>off-duty Fire services</u> please contact off-duty Fire at 786-412-1076.
Parking Meter Rentals: \$10.00 per space or meter/per day + plus administrative fees. Please contact the Parking Department at 305-673-7505 for more information.

*** Application fees are not refundable; permit fees and security deposits are reimbursed if the event/activity is cancelled, denied, or postponed and given that public property is left in good condition and without damage and all City invoices paid. Failure to comply with restrictions imposed automatically forfeits the security deposit.

*** Additional charges may apply.

VII. Special Event Class Matrix

	Event type	Application Deadline	Max Attendance	Security Deposit	Application Fee	Late Application Fee	Permit Fee	Late Submittal Fee	Square Footage Fee	Use of Public Property	Insurance	Indemnity	Site plan	Sign-offs	Notifications	Bldg. Permits Allowed	City Services Required	Maximum Load In + Load Out Dur
Wedding/Ceremony	15 Days	150	\$ -	\$ -	\$ -	\$ 125	\$ -	N	Y	N	N	Y	Y	N	N	N		6 hrs
Special Event Class C1	15 days	Existing Occ load	\$2,500	\$250	\$250	\$250	\$250	N	N	Y	Y	Y	Y	Y	N	N		1 day
Special Event Class C2	30 days	Temp. Occ. Load	\$ 2,500	\$ 250	\$ 250	\$ 250	\$ 250	Y	Y	Y	Y	Y	Y	Y	Y	Y		1 +
Special Event Class G1	30 days	150	\$ 2,500	\$ 250	\$ 250	\$ 250	\$ 250	Y	Y	Y	Y	Y	Y	N	N			2
Special Event Class G2	60 days	151-1500	\$ 5,000	\$ 250	\$ 250	\$ 250	\$ 250	Y	Y	Y	Y	Y	Y	Y	Y			7
Special Event Class G3	60 days	1501-5000	\$ 10,000	\$ 250	\$ 250	\$ 500	\$ 500	Y	Y	Y	Y	Y	Y	Y	Y			14
Special Event Class G4	60 days	5001+	\$20000+	\$ 250	\$ 250	\$ 500	\$ 500	Y	Y	Y	Y	Y	Y	Y	Y			14 +

**Exhibit F – Letter of Conformance to the City of Miami
Beach Comprehensive Plan**

MIAMIBEACH

City of Miami Beach, 1700 Convention Center Drive, Miami Beach, Florida 33139, www.miamibeachfl.gov
PLANNING DEPARTMENT Tel: (305) 673-7550, Fax: (305) 673-7559

January 27, 2016

Ms. Elizabeth Wheaton
Assistant Director, Building Department
Environment and Sustainability

RE: Conformance of City of Miami Beach Updated Beachfront Management Plan Pursuant to Management Agreement No. 3595 with the City of Miami Beach Comprehensive Plan.

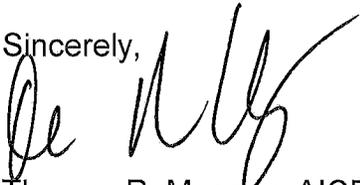
Dear Ms. Wheaton,

This is in response to your division's request for determination of whether the City's Updated Beachfront Management Plan dated January 2016 is in compliance with the City of Miami Beach Comprehensive Plan.

The City of Miami Beach Planning Department has reviewed the Updated Beachfront Management Plan, dated July 2014, prepared by the City pursuant to the requirements of Management Agreement No. 3595. The subject property comprises approximately 220 acres of State-owned land managed by the City under a Beach Management Agreement (re-assigned Lease No. 3595). The City obtained management authority over the property to continue, promote and enhance public access, as well as its use as a public beach area. The City has managed and will continue to manage the property as a public beach area. As such, the property's current and future uses are in conformance with the City of Miami Beach Comprehensive Plan.

If you have any questions or require any additional information please feel free to call me at (305) 673-7550.

Sincerely,



Thomas R. Mooney, AICP
Planning Director

**Exhibit G – City of Miami Beach Dune Management
Plan**



CITY OF MIAMI BEACH DUNE MANAGEMENT PLAN
January 2016

Prepared by:

CITY OF MIAMI BEACH
1700 Convention Center Drive
Miami Beach, Florida 33139

COASTAL MANAGEMENT
AND CONSULTING
7611 Lawrence Road
Boynton Beach, Florida 33436

I. STATEMENT OF PURPOSE

Coastal dunes are habitat for wildlife and support a high biodiversity of flora and fauna. They also keep beaches healthy by accreting sand and minimizing beach erosion rates. The dunes protect coastal infrastructure and upland properties from storm damage by blocking storm surge and absorbing wave energy. Therefore, a healthy dune system is an invaluable asset to coastal communities like Miami Beach.

The purpose of the City of Miami Beach Dune Management Plan (“the Plan”) is to outline the framework and specifications that the City will use to foster and maintain a healthy, stable, and natural dune system that is appropriate for its location and reduces public safety and maintenance concerns. The Plan shall guide the City’s efforts in managing the urban, man-made dune as close to a natural system as possible and ensuring the dune provides storm protection, erosion control, and a biologically-rich habitat for local species.

II. OBJECTIVES

This plan was developed collaboratively with local government and community stakeholders, as well as local experts to meet the following primary objectives:

1. Reduce to the maximum extent possible the presence of invasive, non-native pest plant species within the dune system.

Non-native species compete with and overwhelm more stable native dune plants, thereby threatening the stability and biodiversity of the dune system. Reducing the presence of aggressive, non-native vegetation preserves and promotes the structural integrity and biodiversity of the dune.

2. Cultivate and support a dense grassy pioneer zone dune.

The foredune is the first line of defense against erosion. Sea oats and fast-growing, deep rooted grasses trap and accumulate wind-blown sand, build up the dune, and create a sand reservoir for the system. Their roots stabilize the accumulated sand and significantly minimize erosion during high tides and storms. Cultivating a dense grassy pioneer zone is a key component in fostering a stable, healthy dune primed for erosion control and storm protection.

3. Maintain a low, stable strand zone comprised of native species.

The historically stable coastal strand zone is most stable when it is populated by saw palmettos and low, native shrubs. Thick, low vegetation tends to be less top heavy, which reduces the potential for uprooting and toppling of strand zone vegetation from wave energy and storm surge. Additionally, maintaining low strand zone vegetation reduces safety concerns and improves the public’s connection with the ocean.

4. Improve native species diversity of the strand zone.

The removal of non-native, invasives and the crown reduction of tall native plant canopies exposes dune areas which can be colonized by non-native invasive vegetation if they are not replanted quickly with native vegetation. These areas offer an opportunity to reintroduce native rare and listed species, as well as to restore the dune to its original, pre-development condition. Supplemental planting in these areas will promote a healthier, more diverse strand zone.

5. Properly plan dune restoration activities to avoid and minimize potential impacts to sea turtles.

Every year between April 1 and October 31, three sea turtle species nest on the City's beaches: the Loggerhead, the Green, and the Leatherback. Disturbing sea turtle nests, hatchlings or nesting females is prohibited. Per City and State law, work in the dunes cannot allow upland lighting to be visible on the beach to prevent disorientation of hatchlings. The specifications in the Plan were developed to avoid and minimize potential impacts to sea turtles through best practices and proper planning.

III. HISTORY OF THE MIAMI BEACH DUNES

The City of Miami Beach's seven miles of Atlantic Ocean shoreline are protected by a coastal dune which was initially installed as part of the United States Army Corps of Engineers' ("USACE") Dade County Beach Erosion Control and Hurricane Protection ("BEC&HP") project. From 1975 to 1980, the USACE, in coordination with the Florida Department of Environmental Protection ("FDEP") built a non-vegetated levee for storm protection as part of the first beach restoration efforts targeting the Miami Beach coast. Due to high pedestrian and vehicular traffic, the levee wore down quickly and was deemed ineffective. In the mid-1980s, through the acquisition of a state grant, FDEP rebuilt the levee and fortified it with dune vegetation.

Historically, the City has maintained the dune as a natural system with little to no maintenance. The City's most recent large-scale dune maintenance efforts were conducted using two landscape contractors which were retained through a Citywide Dune Restoration Services contract (ITB No. 268-2013-TC). This project restored the following four areas by removing non-native, invasive vegetation and re-planting cleared areas with native dune species:

- South Beach A – Government Cut to South Pointe Drive
- South Beach B – 14 Court to 23 Street
- Middle Beach – 23 Street to 46 Street
- North Beach – 64 Street to 79 Street

Previous large-scale dune maintenance efforts were solely conducted as part of the Atlantic Greenway Network ("AGN") Master Plan projects which constructed at-grade

pedestrian pathway along the western edge of the dune. Specifically, as part of the following projects:

- Beachwalk II, Phase I – South Pointe Drive to 3rd Street
- Beachwalk I – 14 Court to 23 Street
- North Beach Recreational Corridor – 64 Street to 79 Street

The dunes adjacent to North Shore Open Space Park have been exclusively restored through volunteer efforts since 2009. Moving forward, the dunes adjacent to North Shore Open Space Park will continue to be reserved for volunteer dune restorations, unless otherwise approved by the City. The same rules shall apply to the dunes at adjacent to Lummus Park.

Common threats to the dunes include invasive, non-native vegetation, trampling from trespassers (e.g., general public, vagrants), unauthorized trimming, homeless and vagrant activities, and man-made fires.

IV. DUNE MANAGEMENT SPECIFICATIONS

1. Definition. The term dune shall be defined as the vegetated areas east of the beachwalk system to the easternmost limit of existing vegetation. In areas where a beachwalk system has not yet been constructed or is constructed within the dune system, the dune system shall constitute the continuously vegetated area bound by the erosion control line (“ECL”) to the west and by rope and post and/or sand fencing to the east. Where the dune is adjacent to public parks or areas designated as conservation areas, the dune shall also include areas of native dune vegetation west of the ECL enclosed by rope and post and/or sand fencing.

2. Location. This plan applies to all areas of the dune within the City of Miami Beach, from Government Cut north to the City Boundary at 87 Terrace.

3. Scope of work. Dune management will consist of restoration work (e.g. invasive exotic removal and re-planting with native species) and maintenance work (e.g. strand zone species pruning, litter removal, and safety hazard removal).

4. Restoration work. The City shall annually survey the dunes to identify and document the location of invasive, non-native pest plant species, to estimate the percent cover of invasive species in those areas, and to create a priority list for the restoration of these areas. Areas with higher percentages of invasive species will be prioritized for restoration, but not before funding is in place to replant cleared areas with native species.

The City will take special care, especially in critically eroded areas, to promote dense grassy pioneer zone growth. The City shall also promote a diverse strand zone by replanting cleared areas with a mix of the native species that existed in the dune before development in order to restore the dune to its original population. Rare and listed species will be prioritized for re-planting, where reasonable and feasible. The City will consult

local conservation organizations such as the Institute for Regional Conservation for recommendation of species to be prioritized for re-planting.

I. INVASIVE EXOTIC REMOVAL SPECIFICATIONS

Restoration work includes the full removal and off-site disposal of non-native, invasive, and/or pest plant species. It is incumbent upon City and private contractors to visit and thoroughly inspect the sites of proposed work to determine the area of invasive exotic removal that will be required. Aerial photographs may not be current and cannot be relied upon. Bid prices should be based on best estimates of total area occupied by invasive plants and square footage of area to be removed.

A. TARGETED SPECIES

City and private contractors shall be responsible for the physical removal of all vegetative mass, including leaves, stems, and trunks, plus all gross roots of, at a minimum, Category I and II Invasive exotic Pest Plants, as identified by the Florida Exotic Pest Plant Council (FLEPPC), including *Scaevola taccada* (Hawaiian naupaka), *Shinus terebinthifolis* (Brazilian pepper), *Casaurina equisetifolia* (Australian pine) and *Sophora tomentosa* var. *occidentalis* (necklace pod). Problem native species, such as *Dalbergia ecastophyllum* (coin vine) and *Ceasalpinia bonduc* (gray nickerbean), must also be removed, unless otherwise specified by the City.

B. PLANT DISPOSAL

All removed invasive exotic plant mass shall be legally disposed of off-site. No on-site shredding or chipping will be allowed.

C. NATIVE SPECIES TO BE PROTECTED

The worksites include a mixture of native dune species and targeted non-native species. City and private contractors shall take special precautions to ensure minimal impact to the existing dune during the exotic removal efforts. The use of herbicides is prohibited, except as approved by the City's Environment and Sustainability Division.

D. REMOVAL METHODS

Removal of smaller and medium sized exotic clusters should be done by hand cutting and digging to remove roots. Mechanized equipment may be used when it is possible to gain access without impact to the existing dune. Post and rope fencing and sand fencing may be temporarily removed for access, but must be replaced upon completion of each section. City and private contractors shall replace rope and post fencing and/or sand fencing damaged during exotic removal or pruning efforts in kind at no cost to the City.

Mechanized equipment may also be permitted on the soft sands of the beach, or boardwalk, or beachwalks on a case-by-case basis. All use of mechanized equipment must first be coordinated and approved by the City when obtaining a City Right-of-Way permit.

E. EXOTIC REMOVAL WARRANTY PERIOD

City and private contractors shall be responsible for maintaining cleared and pruned areas free of seedlings and resprouts for a one year warranty period.

II. PLANTING SPECIFICATIONS

The planting design shall be determined based on the area of dune cleared by invasive exotic removal or other activities that increase the expose areas of bare sand. It is incumbent upon City and private contractors to visit and thoroughly inspect the sites of proposed work. Aerial photographs may not be current and cannot be relied upon. Bid prices should be based on best estimates of square footage of area to be replanted. Conditions on site at the time of planting may necessitate modification of the planting design and number of planting units required.

A. PIONEER ZONE SPECIES SPECIFICATIONS

1. Species specifications. Pre-approved species include sea oats (*Uniola paniculata*) in 96 cell liner size with 6 to 12 inches planted height and dune panic grass (*Panicum amarum*), shore paspalum (*Paspalum vaginatum*), Virginia dropseed (*Sporobolus Virginicus*), beach bean (*Canavalia maritima*), railroad vine (*Ipomea pes caprea*), and beach morninglory (*Ipomea imperati*) in 72 cell liner size. Additional native pioneer species from the Beach Dune database of the Institute of Regional Conservation (regionalconservation.org) may also be proposed but require City approval prior to installation.
2. Species distribution. Species approved for use in the pioneer zone include a mix of 75 to 80 percent of sea oats (*Uniola paniculata*) and 20 to 25 percent mix of other pioneer zone species.
3. Species spacing. Sea oats and pioneer zone species shall be installed to cover all barren areas and all areas cleared of exotics greater than 100 square feet, at an average spacing of 18 inches on center, to within 18 inches of the perimeter of undisturbed native vegetation. Sea oats shall comprise 75 percent of the species mix with the remainder comprised of approximately two thirds grasses and one third vines.
4. Species planting method. Pioneer zone species will be installed with the top of the rootball no less than six inches below finished grade. Fertilizer must be placed into the hole before the plant is introduced. Plants must be watered immediately to set the roots before backfilling the hole to grade. No further irrigation will be required. No hydrophilic gels may be used.

B. STRAND ZONE SPECIES

1. Species specifications. Pre-approved species include saw palmettos (*Serenoa repens*, silver variety) in 3 gallon size or larger, minimum 18 inches height, 12 inches spread and white indigo berry (*Randia aculeata*), coastal cocoplum (*Chrysobalanos icaco*, "horizontal" variety), bay cedar (*Suriana maritima*), blackbead (*Pithecellobium keyensis*), marlberry (*Ardisia escalonioides*), sea lavender (*Argusia gnaphalodes*), and golden beach creeper (*Ernodea litorallis*) in

3 gallon size, minimum 12 inches height, 12 inches spread. Additional native pioneer species from the Beach Dune database of the Institute of Regional Conservation (regionalconservation.org) may also be proposed but require City approval prior to installation.

2. Species spacing. Cleared areas less than 1000 square feet will be planted only with pioneer zone species. Areas exceeding 1000 square feet will be planted with 5 saw palmettos clustered toward the upland side in a random pattern, but no less than 5 feet on center. An additional six units of mixed strand zone species will be installed in clusters of two or three. Larger areas will be planted in proportion to this ratio of five palmettos and six strand zone plants per approximate 1000 square feet. Conditions on site at the time of planting may necessitate modification of the planting design and number of planting units required at the City's discretion.
3. Species planting method. Palmettos and strand species will be installed with the top of the rootball no less than four inches below finished grade. Plant shall be removed from the container by inverting the container and supporting the rootball as the container is pulled off. Pots should be cut as necessary to minimize disturbance of fragile roots. Pulling the plants out of the containers by the stems will be cause for rejection of the plant.

After digging a hole to the necessary depth, add one half of the fertilizer and incorporate it into the soil before inserting the plant. Twist the rootball to seat it before backfilling. After backfilling to cover two thirds of the rootball, add the remaining fertilizer in a ring before completely filling the planting hole.

C. PLANT QUALITY

The Contractor shall provide nursery grown plants that are of Florida #1, or superior quality pursuant to Florida Department of Agriculture and Consumer Services (FDACS) Division of Plant Industry Grades and Standards (<http://www.freshfromflorida.com/pi/pubs.html>). All plants shall be true to the growth habit of the species, and are to be fully rooted in the container, healthy, vigorous, well branched, and densely foliated. Plants shall be free from physical damage, or conditions that would interfere with thriving growth, and free of disease, insects, or insect eggs and larvae. The City's Greenspace Management Division shall inspect all plants supplied by City and private contractors and may reject plants that do not meet these specifications.

D. ANTITRANSPIRANT

Strand species and palmettos shall be treated after delivery and prior to installation with application of an antitranspirant at manufacturers recommended application rate.

E. FERTILIZATION

1. Plants may be fertilized at the time of planting with Everris Suncoat, E98435 16-9-12 (see composition below) with minors 90 day release or a proposed equivalent as approved by the City's Greenspace Management or Environment and Sustainability staff. If fertilizer use is approved, seven grams (one teaspoon) shall be placed into the planting hole of pioneer zone species before initial watering. Strand zone species shall be fertilized at the time of planting by inclusion of 210 grams (one half cup), one half into the planting hole before installation of the plant and one half distributed in a ring around the nursery rootball after backfilling the hole to cover two thirds of the rootball height. Fertilization of established vegetation is not required.
2. Fertilizer composition:
 - Total Nitrogen 16%
 - Soluble potash 12%
 - Available phosphate 9%
 - Sulfur 5.4%
 - Magnesium 1.3%
 - Iron .46%
 - Manganese .06%
 - Copper .05%
 - Zinc .05%
 - Boron .02%
 - Molybdenum .02%

F. IRRIGATION

1. Water supply. There are no regularly dispersed water connections in the project areas. The City will provide a metered source for filling water tank trucks through the Right-of-Way permit process or will advise City and private contractors that they are solely responsible for providing a water source for irrigation.
2. Initial watering. Pioneer zone plants shall be watered in at the time of planting to set the roots. No further irrigation will be required except when it is determined by the contractor to be necessary to ensure survival of the plants to meet the criteria below. Strand zone plants and palmettos shall be watered initially using a jetting wand to consolidate the backfill soil and ensure that there are no air pockets surrounding the nursery rootball.
3. Maintenance watering. The goal of supplemental irrigation is to promote the establishment of a self-sustaining root system, rather than to wet the nursery rootball. City and private contractors shall determine the need for the additional irrigation to meet the required plant survival criteria, and provide a proposed irrigation plan during the permitting process. The proposed irrigation plan must include a detailed description of the anticipated number of irrigation events, the equipment, labor and irrigation methodology proposed for the maintenance irrigation. If the City, as part of a City contract, approves the plan, City contractors will be responsible for all aspects of the maintenance irrigation, including compliance with all environmental permitting regulations,

requirements, and conditions stated in the permits. The cost of all anticipated maintenance irrigation shall be included in the installation unit cost pricing schedule with the Bid.

The City requires a minimum watering schedule for strand species of every four days for three weeks then once per week for five weeks, then as needed as determined by observation to achieve minimum survival criteria.

G. SURVIVAL CRITERIA AND REPLANTING

Plants not living at the end of 30 days will be rejected and shall be replaced. City and private contractors shall guarantee that at least 90 percent of all pioneer zone, and separately 90 percent of all palmettos and strand zone species survive and are in healthy condition for a period of one (1) year from the time of planting. Plants shall be deemed surviving if they present vigorous new leaf growth and inspection of the root zone demonstrates that new roots have migrated into the surrounding soil by no less than four inches.

City and private contractors will not be responsible for any loss of plants resulting from erosion or vandalism. The City shall periodically inspect all installed plants and notify the Contractor if it is determined that the survival rate is not acceptable. Minimally, inspections will be conducted approximately one month, three months, and ten months after planting. Within thirty days of receipt of notification by the City, contractors shall install additional plants to achieve the acceptable level of plant survival.

III. STRAND ZONE SPECIES PRUNING SPECIFICATIONS

A. TARGETED SPECIES

Native strand zone species, particularly seagrapes (*Coccoloba uvifera*), that are taller than four feet above grade shall be carefully evaluated by Environment and Sustainability staff and designated to be maintained as either shrubs or as coastal hammock.

B. INITIAL PRUNING

Targeted species designated to be maintained as shrubs will be initially pruned to reduce the crown height to 24 inches above grade to establish a branching sub structure. When possible, initial pruning should be limited to the rainy season to allow for a quicker recovery of the pruned vegetation. Pruning of the vegetation shall not have adverse effects on the vegetation. In any instance where the vegetation does not survive the initial pruning, the entity responsible for the pruning shall be required to mitigate for the vegetation loss in accordance with the conditions of the approval issued by the FDEP Division of Beaches and Coastal Systems or by re-planting in accordance with Section II. Planting Specifications of the Plan.

C. COASTAL HAMMOCK ZONES

Where strand zone vegetation is adjacent to and provides shade to a pedestrian area outside of the dune, the City's Environment and Sustainability staff will

designate the existing species to be maintained as Coastal Hammock Zones. Tree species within these zones will be pruned no less than twice annually to remove understory branches and leaves and to reduce the crown as necessary. Pruning of trees in these zones shall remove no more than one-third of the total tree mass or 25 percent of the existing canopy annually. Additionally, pruning of vegetation in these areas shall be conducted under the supervision of an arborists certified by the International Society of Arboriculture and in accordance with ANSI A-300 Pruning Standards and the FDEP Seagrape Trimming Guidelines.

D. PRUNING METHODS

Plants will be pruned to natural organic shape, rather than box hedged. Pruning shall be conducted by hand pruners or loppers only, unless otherwise approved by the City. If mechanized equipment is approved, it may only be used when it is possible to gain access without impact to the existing dune. Post and rope fencing and sand fencing may be temporarily removed for access, but must be replaced upon completion of each section. City and private contractors shall replace rope and post fencing and/or sand fencing damaged during exotic removal or pruning efforts in kind at no cost to the City.

Mechanized equipment may also be permitted on the soft sands of the beach, or boardwalk, or beachwalks on a case-by-case basis. All use of mechanized equipment must first be coordinated and approved by the City when obtaining a City Right-of-Way permit.

E. DEBRIS DISPOSAL

All removed invasive exotic plant mass shall be legally disposed of off-site. No on-site shredding or chipping will be allowed. No areas of pioneer dune vegetation shall be covered by chipping.

F. NATIVE SPECIES TO BE PROTECTED

The worksites include a mixture of native dune species and targeted non-native pest species. City and private contractor shall take special precautions to ensure minimal impact to the existing dune during the exotic removal efforts. The use of herbicides is prohibited, except as approved by the City's Environment and Sustainability Division. If damage to any native vegetation occurs, the entity conducting the work shall be required to mitigate for the vegetation loss in accordance with the conditions of the approval issued by the FDEP Division of Beaches and Coastal Systems or by re-planting in accordance with Section II. Planting Specifications of the Plan.

G. PRUNING PROHIBITIONS

Trimming of *Scaevola* and other invasive, non-native species is strictly prohibited as trimming of these species prompts them to grow back thicker, further spread seeds, and become a greater maintenance concern.

Environment and Sustainability staff shall conduct a review of all proposed pruning areas to evaluate the work's potential for exposing upland property lighting to the beach. In areas where existing lighting has the potential to be exposed, the pruning request shall not be approved until sufficient evidence can be provided to and approved by FWC that the lighting will cause no adverse effect to sea turtles.

IV. SAFETY HAZARD REMOVAL SPECIFICATIONS

Species of cactus, yucca, agave, and other types of vegetation which, by their spiny nature, could pose a safety hazard to the public must be removed at ground level to leave a three foot safety buffer on the dune side of all walkways and rope and post barriers or other areas where there may be in close proximity to public traffic.

5. Maintenance work. Maintenance work in the dunes primarily constitutes of the following activities: pruning of strand vegetation; removal and disposal of safety hazard plant species; and, removal of disposal of new non-native and invasive native plant species growth. It is incumbent upon City and private contractors to visit and thoroughly inspect the sites of proposed work prior to bidding. Aerial photographs may not be current and cannot be relied upon. City contractors must provide bid prices best estimates of square footage of area to be maintained and must include all materials, labor, equipment, supervision, mobilization, demobilization, overhead and profit, insurance, permits, and taxes to complete the work.

A. PRUNING MAINTENANCE INTERVALS

The long term height of strand shrub species will be maintained between 36 inches and no greater than 42 inches above grade. Please note that individual plant growth rates will vary between species and by season. Heights are approximate and should follow the logical growth habit of the recovering plant.

Maintenance pruning of strand zone vegetation shall also be conducted as necessary to control lateral growth which encroaches within two feet of pedestrian paths or accessways. Additional maintenance pruning may be requested to increase visibility into the dunes in areas with known security concerns and will be reviewed and approved on a case-by-case basis. All pruning must be conducted in accordance with Section III. Strand Zone Pruning Specification of the Plan.

B. EXOTIC REMOVAL MAINTENANCE INTERVALS

Maintenance events shall be conducted at quarterly intervals to hand remove new growth of seedlings or root sprouts. All non-native, invasive species removal shall be conducted in accordance with Section I. Invasive Exotic Removal Specifications of the Plan.

C. PEDESTRIAN CLEARANCE

The City, at its discretion, may conduct maintenance trimming of dune vegetation to maintain pedestrian clearance as follows:

1. Trimming of dune vegetation to maintain existing beach access crossover configurations and line of site, on and off of the beach.
2. Trimming of dune vegetation encroaching onto the beachwalk/boardwalk pathways and clearing of any low-hanging limbs.
3. Maintenance trimming of shrub-sized vegetation (<50") at 42" to promote low, dense growth.

The City annually renews their existing field permit from FDEP's Division of Beaches and Coastal Systems for this work.

Species of cactus, yucca, agave, and other types of vegetation which, by their spiny nature, could pose a safety hazard to the public must be removed at ground level to leave a three foot safety buffer on the dune side of all walkways and rope and post barriers or other areas where there may be in close proximity to public traffic.

D. REMOVAL OF DEAD VEGETATION

Where the City identifies vegetation that has died of natural causes, the vegetation shall remain on-site unless the Urban Forestry confirms the condition of the vegetation poses a potential safety hazard. Vegetation determined to pose a potential safety hazard shall be inspected by Greenspace Management staff to determine that it is not providing habitat or shelter to wildlife. If it does not act as habitat for wildlife, the City shall obtain an exemption determination from FDEP's Division of Beaches and Coastal System for its removal. Removal of dead vegetation must be conducted in accordance with sub-sections C and D of Section I. Invasive Exotic Removal Specifications of the Plan.

V. ROPE AND POST SPECIFICATIONS

The City's rope and post specifications and standard operating procedures (SOP) are outlined in Exhibit M of the City's Beachfront Management Plan. Per the SOP, modification of the dune limits requires the Environment and Sustainability staff's review and approval. A dune modification will generally be considered appropriate if moving the rope and post will not impact the minimum required emergency vehicle lane width or the approved footprint of the adjacent beach concession operations. The City's known critical erosion hot spots shall not be considered viable locations for the eastward expansion of the dune rope and post (Beachfront Management Plan Exhibit L).

When the dune vegetation outgrows the rope and post and/or sand fencing limits, City staff should contact the Environment and Sustainability staff to review the area and determine if trimming is appropriate. If the trimming request is approved, Environment and Sustainability staff will coordinate with the Greenspace Management Division to request that the overgrown vegetation be trimmed back by in-house staff or the landscaping maintenance contractor per the provisions of the City's dune management plan.

VI. MOBILIZATION AND ACCESS

City and private contractors shall coordinate mobilization, staging, and access through the City's Right-of-Way permit process.

VII. PERMITS

No work can occur in the dunes without approval or a CCCL permit from FDEP and a City Right-of-Way permit. The City's Environment and Sustainability staff is available to assist with and facilitate both permitting processes. City and private contractors shall be responsible for providing a certificate of liability insurance listing the City as the additional insured and for submitting a work plan that shows the project area, the scope of work, the access points to the site, the species disposition (to stay, to be removed, to be relocated), and what materials and equipment will be used. If a planting plan is required, it must be developed using the planting specifications previously described and provided to the City's Environment and Sustainability staff for approval. Contractors are responsible for paying for, signing for, and picking up their Right-of-Way permits from the City's Public Works Department once they are notified that it has been processed. Once the Right-of-Way permit is executed and in-hand, contractors may begin the work approved in their permits.

Exhibit H – Miami-Dade County Sea Turtle Nesting and Relocation Program Information



305.365.3018

HOME | ADVENTURES | RENTALS | GROUP TOURS | NATURE CENTERS | CONTACT US

Kayaking, Canoeing & Snorkeling

Bike & Hike

Expedition South Florida

Sea Turtle Awareness Program

Presentations & Outreach

Conservation Efforts

SEA TURTLE AWARENESS PROGRAM



- Registration begins July 1st. [Register here now!](#)

Description

Journey into the world of sea turtles as you participate in an informative presentation, followed by our summer release program. Learn about different sea turtle species and their life cycle, as well as some of the dangers they face throughout their lives. Come face to face with hatchlings and join them as they embark on their exciting journey into the depths of the ocean.

The Sea Turtle Awareness program consists of a 45 min. PowerPoint presentation that explains the different Sea Turtle species and their life cycle. As well as some of the dangers they face throughout their life time. Following the presentation we lead the group out to the beach where we will release Loggerhead hatchlings. The group will be able to watch the hatchlings start their journey out to sea. Due to all sea turtles being protected by the Endangered Species Act no one besides the permitted staff are allowed to handle the hatchlings.

The program normally runs from **late July through the middle of September** from 8:30 p.m. to 10:00 p.m. Reservations are required; You can make your reservations starting **July 1st**. We are offering the program multiple times a week at Crandon Park and Visitors & Nature Center. Most of the dates fall on the weekend (Friday, Saturday & Sundays). **The program cost is \$10 per person.**

For more information, please call 305-361-6767 ext. 121

Other Sea Turtle Programs that are offered year-round:

To reserve a program, contact the Crandon Adventure office 305-361-6767 ext 112

Sea Turtle Adventure

Explore the wonders of these ancient creatures by visiting an important nesting beach in South Florida. Participants will take a walk along the natural beach of Bear Cut Preserve where they will learn how sea turtles construct their nests. Participants will learn more about these ancient animals, what they eat, why they come to our shores, and where they are found through a 45 minute presentation conducted by one of our knowledgeable naturalists. Participants will have a chance to touch sea turtle artifacts such as shells, skulls, and the different items that they eat (sponges, corals, etc).

Appropriate for all ages.

Duration of program: 3 hours, including 30-minute lunch break at provided park shelter (No additional fee).

Program Fee: \$7 per participant or \$150 flat rate for groups of 22 or less

Maximum: 60 participants

Sea Turtle Outreach

Explore the wonders of these ancient creatures that visit our South Florida beaches without having to leave your location. Learn more about these ancient animals, what they eat, why they come to our shores, and where they are found through a presentation conducted by one of our knowledgeable naturalists at your location. Have a chance to touch sea turtle artifacts such as shells, skulls, and the different items that they eat (sponges, corals, etc). Appropriate for all ages.

Outreach Presentation: 1 hour

Program Fee: \$7 per participant or \$150 flat rate for groups of 22 or less

Maximum: 40 participants per presentation

*****MANDATORY FIELDS - THIS PAGE TO BE COMPLETED UPON SUBMISSION*****

PROJECT NAME:	All Miami projects
COUNTY:	MIAMI-DADE
DEP PERMIT NUMBER:	233882
DATE SAND PLACEMENT COMPLETED (mm/yyyy):	
TYPE OF SAND PLACEMENT :	UN - Nourishment - Upland Sand Source
LENGTH OF PROJECT/SAND PLACEMENT AREA (kilometers):	5km
LENGTH OF REFERENCE/CONTROL AREA (kilometers):	
YEAR OF MONITORING:	YR 1 = 1st season following sand placement
NEST MARKING SCHEME (indicate if different for each species):	ALL
MARINE TURTLE PERMIT HOLDER(S) (name and MTP number):	Ahern 017
FLORIDA DEP R-MONUMENT (start):	R-60 to R-61, R-53.7 to R-55.5, R-48.7 to R-50.7, R-7 to R-12, R-27 to R-29, and R-43 to R-44+500
FLORIDA DEP R-MONUMENT (end):	27th Street; 44th Street; 55th Street; Sunny Isles; Bal Harbor, Miami Beach
NESTING BEACH NAME:	Miami Beaches

Species	Within Project Area	Total # of Nests Counted (Marked and Unmarked)	Total # of False Crawls Counted (Marked and Unmarked)
LOGGERHEAD	Yes	58	24
LOGGERHEAD	No	181	90
GREEN	Yes	2	0
GREEN	No	30	22
LEATHERBACK	Yes	1	0
LEATHERBACK	No	2	0

FALSE CRAWL WORKSHEET

Date Crawl Recorded (mm/dd/yyyy)	Species	Crawl within Project Area? (YES/NO)	Escarpment ≥ 18" Encountered (YES/NO)	Final Activity	Distance From Dune (Feet) (5 Ft 3 In should be entered as 5.03)	Distance From MHW (Feet) (5 Ft 3 In should be entered as 5.03)	ID/Label (Optional)	Beach Zone (Optional)	Additional Notes (See Directions tab for examples of relevant notes)
4/30/2013	Cc	NO	YES	NO DIGGING	110Ft.00in.	100Ft.00in.	MB Fc # 01	O - LG # 02	HAULOVER BCH - LG 2 - 500' North of Inlet
5/7/2013	Cc	YES	NO	NO DIGGING	5Ft.00in.	31Ft.00in.	MB Fc # 02	N - 99 St	BAL HARBOUR - Below Wrack - 0.5km south of Inlet
5/9/2013	Cc	NO	NO	NO DIGGING	170Ft.00in.	75Ft.00in.	MB Fc # 03	C - 15 St	MIAMI BEACH - 1501 Ocean Dr. - 3km north of Cut
5/12/2013	Cc	YES	NO	NO DIGGING	125Ft.00in.	25Ft.00in.	MB Fc # 04	E - 34 St	MIAMI BEACH - 3401 A1A - 5km north of Cut
5/22/2013	Cc	YES	NO	NO DIGGING	2Ft.00in.	52Ft.00in.	MB Fc # 05	T - 191 St	SUNNY ISLES - 1711 A1A The Ocean III Condo - 3km south of Country Line
5/28/2013	Cc	YES	NO	NO DIGGING	6Ft.00in.	47Ft.00in.	MB Fc # 06	N - 101 St	BAL HARBOUR - The Bal One - 1000 ft south of Inlet
5/28/2013	Cc	NO	NO	NO DIGGING	68Ft.00in.	32Ft.00in.	MB Fc # 07	D - 24 St	MIAMI BEACH - 2401 Ocean Dr. - 4km north of Cut
5/28/2013	Cc	NO	NO	NO DIGGING	170Ft.00in.	26Ft.00in.	MB Fc # 08	A - 1 St	MIAMI BEACH - 1st Street NIKKIE BOUT LOBBY - 1000 ft south of Cut
5/28/2013	Cc	NO	YES	NO DIGGING	205Ft.00in.	42Ft.00in.	MB Fc # 09	N - LG # 02	HAULOVER BCH - LG 2 - 500' North of Inlet
5/28/2013	Cc	NO	NO	NO DIGGING	60Ft.00in.	73Ft.00in.	MB Fc # 10	O - 163 St	SUNNY ISLES - 1035 A1A The Ocean Condo - 3km south of Country Line
5/31/2013	Cc	YES	NO	NO DIGGING	30Ft.00in.	65Ft.00in.	MB Fc # 11	F - 45 ST	MIAMI BEACH - 4521 A1A The Ocean III Condo - 3km north of Cut
6/5/2013	Cc	NO	NO	BODY PIT	35Ft.00in.	70Ft.00in.	MB Fc # 12	M - 97 St	HARBOUR - 9701 A1A The St. Regis - 1km South Haul
6/9/2013	Cc	YES	NO	NO DIGGING	88Ft.00in.	23Ft.00in.	MB Fc # 13	R - 172 ST	SUNNY ISLES - 1723 A1A The Ocean Condo - 3km south of Country Line
6/9/2013	Cc	YES	NO	NO DIGGING	81Ft.00in.	32Ft.00in.	MB Fc # 14	S - 186 St	SUNNY ISLES - 186 A1A The Embassy - 3km south of Country Line
6/11/2013	Cc	NO	NO	BODY PIT	200Ft.00in.	7Ft.00in.	MB Fc # 15	A - Govt Cut	MIAMI BEACH - So Point Park - 2000' north G Cut
6/12/2013	Cc	YES	NO	NO DIGGING	40Ft.00in.	60Ft.00in.	MB Fc # 16	G - 47 St	MIAMI BEACH - 4747 A1A Blue Street Diamond So. City - 3km north of G Cut
6/12/2013	Cc	YES	NO	NO DIGGING	21Ft.00in.	101Ft.00in.	MB Fc # 17	D - 26 St	MIAMI BEACH - 2601 A1A - 5km north of G Cut
6/14/2013	Cc	NO	NO	NO DIGGING	271Ft.00in.	57Ft.00in.	MB Fc # 18	B - 6 St	MIAMI BEACH - 631 Ocean Dr. Collins - 3km north of G Cut
6/18/2013	Cc	NO	NO	BODY PIT	61Ft.00in.	52Ft.00in.	MB Fc # 19	N - 101 St	HARBOUR - 10101 A1A The Palace - 1km South Haul
6/18/2013	Cc	NO	NO	BODY PIT	80Ft.00in.	74Ft.00in.	MB Fc # 20	O - 167 St	SUNNY ISLES - 16701 A1A The Newport - 3km south of Country Line
6/18/2013	Cc	NO	NO	NO DIGGING	96Ft.00in.	11Ft.00in.	MB Fc # 21	S - 181 St	SUNNY ISLES - 18101 A1A Trump II - 4km south of Country Line
6/19/2013	Cc	NO	NO	NO DIGGING	161Ft.00in.	72Ft.00in.	MB Fc # 22	C - 15 St	MIAMI BEACH - 1501 Ocean Dr. THE VILLAGES - 3km north of G Cut
6/19/2013	Cc	NO	NO	NO DIGGING	242Ft.00in.	20Ft.00in.	MB Fc # 23	B - 8 St	MIAMI BEACH - 801 Ocean Dr. Columbus Park - 3km north of G Cut
6/20/2013	Cc	NO	NO	NO DIGGING	240Ft.00in.	22Ft.00in.	MB Fc # 24	C - 16 St	MIAMI BEACH - 1601 A1A The Claws - 3km north of G Cut
6/20/2013	Cc	NO	NO	NO DIGGING	185Ft.00in.	30Ft.00in.	MB Fc # 25	O - LG # 06	AULOVER BCH - No Side x 15' of LG 6 - 1km North of Inlet
6/20/2013	Cc	NO	NO	BODY PIT	162Ft.00in.	42Ft.00in.	MB Fc # 26	P - LG # 14	JLOVER BCH - No Side x 10' of LG 14 - 2.5km North of Inlet
6/21/2013	Cc	YES	NO	BODY PIT	42Ft.00in.	35Ft.00in.	MB Fc # 27	T - 193 St	SUNNY ISLES - 1933 A1A Ocean III Condo - 3km south of Country Line
6/22/2013	Cc	NO	NO	BODY PIT	123Ft.00in.	113Ft.00in.	MB Fc # 28	O - LG # 09	ER BCH - No Side x 90' of LG 9 - 2km North of Inlet LON
6/23/2013	Cc	YES	NO	NO DIGGING	72Ft.00in.	67Ft.00in.	MB Fc # 29	D - 23 St	MIAMI BEACH - 2399 A1A - 4km north of G Cut
6/23/2013	Cc	NO	NO	NO DIGGING	125Ft.00in.	101Ft.00in.	MB Fc # 30	C - 14 St	MIAMI BEACH - 1401 Ocean Dr. Edmonds Park - 3km north of G Cut
6/23/2013	Cc	NO	NO	NO DIGGING	181Ft.00in.	31Ft.00in.	MB Fc # 31	O - LG # 06	ULOVER BCH - No Side x 115' of LG 6 - 1km North of Inlet
6/23/2013	Cc	NO	NO	BODY PIT	65Ft.00in.	118Ft.00in.	MB Fc # 32	P - LG # 13	JLOVER BCH - No Side x 100' of LG 13 - 3km North of Inlet
6/23/2013	Cc	NO	NO	NO DIGGING	194Ft.00in.	56Ft.00in.	MB Fc # 33	O - LG # 07	HAULOVER BCH - No Side of LG 7 - 1km North of Inlet
6/23/2013	Cc	NO	NO	NO DIGGING	182Ft.00in.	21Ft.00in.	MB Fc # 34	O - LG # 06	ULOVER BCH - No Side x 150' of LG 6 - 1km North of Inlet
6/24/2013	Cc	NO	NO	NO DIGGING	47Ft.00in.	52Ft.00in.	MB Fc # 35	R - 175 ST	SUNNY ISLES - 1753 A1A The Ocean III Condo - 3km south of Country Line
6/24/2013	Cc	NO	NO	NO DIGGING	98Ft.00in.	22Ft.00in.	MB Fc # 36	S - 181 St	SUNNY ISLES - 18101 A1A Trump II - 4km south of Country Line
6/25/2013	Cc	NO	NO	NO DIGGING	71Ft.00in.	32Ft.00in.	MB Fc # 37	J - 74 St	MIAMI BEACH - 7411 A1A - 10km north of G Cut
6/25/2013	Cc	NO	NO	NO DIGGING	4Ft.00in.	41Ft.00in.	MB Fc # 38	G - 50 St	MIAMI BEACH - 5025 A1A - 7km north of Cut
6/25/2013	Cc	YES	NO	NO DIGGING	47Ft.00in.	15Ft.00in.	MB Fc # 39	F - 44 ST	MIAMI BEACH - 4417 A1A Blue Street Diamond - 3km north of G Cut
6/25/2013	Cc	YES	NO	NO DIGGING	69Ft.00in.	5Ft.00in.	MB Fc # 40	F - 43 St	MIAMI BEACH - 4317 A1A Blue Street Diamond - 3km north of G Cut
6/25/2013	Cc	NO	NO	NO DIGGING	87Ft.00in.	77Ft.00in.	MB Fc # 41	D - 22 St	MIAMI BEACH - 2201 A1A The W - 4km north of G Cut
6/25/2013	Cc	YES	NO	NO DIGGING	0Ft.00in.	109Ft.00in.	MB Fc # 42	D - 25 St	MIAMI BEACH - 2501 A1A - 4km north of G Cut
6/25/2013	Cc	YES	NO	NO DIGGING	61Ft.00in.	25Ft.00in.	MB Fc # 43	E - 27 St	MIAMI BEACH - 2701 A1A - 5km north of G Cut
6/25/2013	Cc	YES	NO	NO DIGGING	68Ft.00in.	42Ft.00in.	MB Fc # 44	T - 193 St	SUNNY ISLES - 1933 A1A The Ocean III Condo - 3km south of Country Line
6/25/2013	Cc	NO	YES	NO DIGGING	241Ft.00in.	6Ft.00in.	MB Fc # 45	N - LG # 02	HAULOVER BCH - So of LG 2 - 250' North of Inlet
6/25/2013	Cc	NO	NO	NO DIGGING	132Ft.00in.	110Ft.00in.	MB Fc # 46	O - LG # 07	HAULOVER BCH - In Front of LG 7 - 1km North of Inlet
6/28/2013	Cc	NO	NO	NO DIGGING	62Ft.00in.	5Ft.00in.	MB Fc # 47	E - 38 St	MIAMI BEACH - 3801 A1A - 6km north of G Cut
6/28/2013	Cc	NO	NO	BODY PIT	119Ft.00in.	67Ft.00in.	MB Fc # 48	O - LG # 05	AULOVER BCH - So Side x 45' of LG 5 - 1km North of Inlet
6/29/2013	Cc	NO	NO	NO DIGGING	201Ft.00in.	39Ft.00in.	MB Fc # 49	A - 4 St	MIAMI BEACH - 4317 A1A Blue Street Diamond - 3km north of G Cut
6/29/2013	Cc	NO	NO	NO DIGGING	108Ft.00in.	82Ft.00in.	MB Fc # 50	P - LG # 12	JLOVER BCH - No Side x 150' of LG 12 - 3km North of Inlet
6/29/2013	Cc	NO	NO	NO DIGGING	183Ft.00in.	38Ft.00in.	MB Fc # 51	P - LG # 12	HAULOVER BCH - LG 12 - 3km North of Inlet
6/30/2013	Cc	NO	NO	NO DIGGING	8Ft.00in.	76Ft.00in.	MB Fc # 52	M - 98 St	HARBOUR - 9801 A1A The Seaview - 1.5km South Haul
6/30/2013	Cc	NO	NO	BODY PIT	156Ft.00in.	96Ft.00in.	MB Fc # 53	O - LG # 07	HAULOVER BCH - No x 300' of LG 7 - 1km North of Inlet
7/1/2013	Cc	NO	NO	NO DIGGING	202Ft.00in.	47Ft.00in.	MB Fc # 54	C - 15 St	MIAMI BEACH - 1501 A1A The Villages - 3km north of G Cut
7/1/2013	Cc	NO	NO	NO DIGGING	209Ft.00in.	5Ft.00in.	MB Fc # 55	A - 3 St	MIAMI BEACH - 301 A1A Settlement Park - 1km north of G Cut
7/1/2013	Cc	NO	YES	BODY PIT	88Ft.00in.	34Ft.00in.	MB Fc # 56	R - 172 ST	SUNNY ISLES - 17201 A1A Ocean III - 3km south of Country Line
7/2/2013	Cc	NO	NO	NO DIGGING	15Ft.00in.	47Ft.00in.	MB Fc # 57	M - 97 St	HARBOUR - 9701 A1A The St. Regis - 1km South Haul
7/2/2013	Cc	NO	NO	NO DIGGING	205Ft.00in.	45Ft.00in.	MB Fc # 58	C - 15 St	MIAMI BEACH - 1501 A1A The Villages - 3km north of G Cut
7/4/2013	Cc	NO	NO	BODY PIT	10Ft.00in.	72Ft.00in.	MB Fc # 59	M - 97 St	HARBOUR - 9701 A1A The St. Regis - 1km South Haul
7/5/2013	Cc	NO	NO	NO DIGGING	123Ft.00in.	18Ft.00in.	MB Fc # 60	S - 185 St	SUNNY ISLES - 18501 A1A No Side of the Embassy - 3km north of G Cut
7/5/2013	Cc	NO	NO	NO DIGGING	207Ft.00in.	32Ft.00in.	MB Fc # 61	C - 14 St	MIAMI BEACH - 1401 Ocean Dr. - 3km north of Cut
7/6/2013	Cc	YES	NO	NO DIGGING	77Ft.00in.	42Ft.00in.	MB Fc # 62	E - 26 St	MIAMI BEACH - 2655 A1A - 5km north of G Cut
7/6/2013	Cc	NO	NO	BODY PIT	130Ft.00in.	62Ft.00in.	MB Fc # 63	N - LG # 09	HAULOVER BCH - No x 75' of LG 9 - 1km North of Inlet
7/6/2013	Cc	NO	NO	NO DIGGING	25Ft.00in.	210Ft.00in.	MB Fc # 64	O - LG # 08	DYER BCH - LONG WALK No x 50' of LG 8 - 1km North of Inlet
7/6/2013	Cc	NO	NO	NO DIGGING	56Ft.00in.	17Ft.00in.	MB Fc # 65	R - 171 ST	SUNNY ISLES - 1711 A1A The Ocean III Condo - 3km south of Country Line
7/6/2013	Cc	NO	NO	BODY PIT	26Ft.00in.	98Ft.00in.	MB Fc # 66	O - 164 St	SUNNY ISLES - 16425 A1A The Ocean III - 7km south of Country Line
7/8/2013	Cc	NO	NO	EGG CHAMBER	0Ft.00in.	76Ft.00in.	MB Fc # 67	N - 98 ST	BAL HARBOUR - 9801 A1A - 1km South Haul Inlet
7/8/2013	Cc	YES	NO	NO DIGGING	36Ft.00in.	172Ft.00in.	MB Fc # 68	E - 30 St	MIAMI BEACH - 3025 A1A - 5km north of Gov Cut
7/8/2013	Cc	YES	NO	NO DIGGING	12Ft.00in.	101Ft.00in.	MB Fc # 69	D - 26 St	MIAMI BEACH - 2601 A1A - 5km north of G Cut
7/8/2013	Cc	YES	NO	NO DIGGING	48Ft.00in.	41Ft.00in.	MB Fc # 70	T - 193 St	SUNNY ISLES - 1933 A1A The Ocean III Condo - 3km south of Country Line
7/8/2013	Cc	YES	NO	NO DIGGING	81Ft.00in.	32Ft.00in.	MB Fc # 71	T - 189 St	SUNNY ISLES - 18911 A1A Ocean III Condo - 3km south of Country Line
7/9/2013	Cc	YES	NO	BODY PIT	45Ft.00in.	18Ft.00in.	MB Fc # 72	T - 193 St	SUNNY ISLES - 1933 A1A The Ocean III Condo - 3km south of Country Line
7/10/2013	Cc	NO	NO	NO DIGGING	179Ft.00in.	23Ft.00in.	MB Fc # 73	O - LG # 06	AULOVER BCH - No Side x 50' of LG 6 - 1km North of Inlet
7/10/2013	Cc	NO	NO	BODY PIT	140Ft.00in.	29Ft.00in.	MB Fc # 74	P - LG # 12	HAULOVER BCH - No Side of LG 12 - 3km North of Inlet
7/13/2013	Cc	NO	NO	NO DIGGING	197Ft.00in.	42Ft.00in.	MB Fc # 75	O - LG # 07	HAULOVER BCH - South of LG 7 - 1km North of Inlet
7/14/2013	Cc	NO	NO	BODY PIT	212Ft.00in.	34Ft.00in.	MB Fc # 76	C - 16 St	MIAMI BEACH - 1601 A1A The Claws - 3km north of G Cut

7/21/2013	Cc	NO	NO	NO DIGGING	174Ft.00in.	23Ft.00in.	MB Fc # 77	O - LG # 09	HAUOVER BCH - No x 150' of LG 9 - 1km North of Inlet
7/21/2013	Cc	YES	NO	NO DIGGING	67Ft.00in.	26Ft.00in.	MB Fc # 78	D - 26 St	MIAMI BEACH - 2601 A1A - 5km north of G Cut
7/23/2013	Cc	YES	NO	NO DIGGING	91Ft.00in.	72Ft.00in.	MB Fc # 79	F - 43 St	MIAMI BEACH - 1701 A1A Ocean Blvd - 3km north of G Cut
7/23/2013	Cc	NO	NO	NO DIGGING	23Ft.00in.	75Ft.00in.	MB Fc # 80	O - 159 St	SUNNY ISLES - 1390 A1A The Trump - 1km south of G Cut
7/25/2013	Cc	NO	NO	NO DIGGING	233Ft.00in.	22Ft.00in.	MB Fc # 81	B - 11 St	MIAMI BEACH - 1701 A1A Ocean Blvd - 2km south of G Cut
7/28/2013	Cc	NO	NO	NO DIGGING	62Ft.00in.	18Ft.00in.	MB Fc # 82	M - 97 St	HARBOUR - 9701 A1A The St. Regis - 1km South Haul
7/29/2013	Cc	NO	NO	NO DIGGING	0Ft.00in.	121Ft.00in.	MB Fc # 83	M - 95 St	SURFSIDE - 9595 A1A - 1.5 km So. Haul Inlet
7/30/2013	Cc	NO	NO	BODY PIT	83Ft.00in.	76Ft.00in.	MB Fc # 84	O - LG # 05	AUOVER BCH - No Side x 50' of LG 5 - 1km North of Inlet
8/2/2013	Cc	NO	NO	NO DIGGING	90Ft.00in.	40Ft.00in.	MB Fc # 85	P - 155 St	SUNNY ISLES - 1301 A1A The Trump - 1km south of County Line
8/9/2013	Cc	NO	NO	EGG CHAMBER	147Ft.00in.	36Ft.00in.	MB Fc # 86	P - LG # 14	VER BCH - Nude Bch So. Side x 50' of LG 14 - 1km North of G Cut
8/10/2013	Cc	NO	NO	BODY PIT	65Ft.00in.	76Ft.00in.	MB Fc # 87	S - 179 St	SUNNY ISLES - 1791 A1A Golden Strand - 3km north of G Cut
8/11/2013	Cc	NO	NO	NO DIGGING	18Ft.00in.	122Ft.00in.	MB Fc # 88	P - LG # 12	AUOVER BCH - SouthSide of LG 12 - 3km North of Inlet
8/11/2013	Cc	NO	YES	NO DIGGING	66Ft.00in.	187Ft.00in.	MB Fc # 89	N - LG # 03	HAUOVER BCH - South of LG 3 - 1000' North of Inlet
8/12/2013	Cc	NO	NO	BODY PIT	0Ft.00in.	240Ft.00in.	MB Fc # 90	O - LG # 10	HAUOVER BCH - No of LG 3 x 50' - 2km North of Inlet
5/16/2013	Cc	NO	NO	NO DIGGING	58Ft.00in.	12Ft.00in.	Golden Bch # 01	Lot # 04	GOLDEN BCH - 125 Ocean Blvd (A1A)
5/16/2013	Cc	NO	NO	NO DIGGING	73Ft.00in.	48Ft.00in.	Golden Bch # 02	Lot # 38	GOLDEN BCH - 415 Ocean Blvd (A1A)
5/25/2013	Cc	NO	NO	NO DIGGING	84Ft.00in.	63Ft.00in.	Golden Bch # 03	Lot # 22	GOLDEN BCH - 239 Ocean Blvd (A1A)
6/2/2013	Cc	NO	NO	NO DIGGING	97Ft.00in.	17Ft.00in.	Golden Bch # 04	Lot # 40	GOLDEN BCH - 445 Ocean Blvd (A1A)
6/3/2013	Cc	NO	NO	BODY PIT	2Ft.00in.	68Ft.00in.	Golden Bch # 05	Lot # 69	GOLDEN BCH - 641 Ocean Blvd (A1A)
6/4/2013	Cc	NO	NO	NO DIGGING	52Ft.00in.	48Ft.00in.	Golden Bch # 06	Lot # 55	GOLDEN BCH - 501 Ocean Blvd (A1A)
6/19/2013	Cc	NO	NO	BODY PIT	2Ft.00in.	96Ft.00in.	Golden Bch # 07	Lot # 02	GOLDEN BCH - 105 Ocean Blvd (A1A)
6/21/2013	Cc	NO	NO	NO DIGGING	88Ft.00in.	36Ft.00in.	Golden Bch # 08	Lot # 08	GOLDEN BCH - 175 Ocean Blvd (A1A)
6/22/2013	Cc	NO	NO	BODY PIT	0Ft.00in.	56Ft.00in.	Golden Bch # 09	Lot # 69	GOLDEN BCH - 641 Ocean Blvd (A1A)
7/3/2013	Cc	NO	NO	EGG CHAMBER	5Ft.00in.	45Ft.00in.	Golden Bch # 10	Lot # 69	GOLDEN BCH - 641 Ocean Blvd (A1A)
7/5/2013	Cc	NO	NO	EGG CHAMBER	2Ft.00in.	54Ft.00in.	Golden Bch # 11	Lot # 71	GOLDEN BCH - 677 Ocean Blvd (A1A)
7/7/2013	Cc	NO	NO	NO DIGGING	74Ft.00in.	12Ft.00in.	Golden Bch # 12	Lot # 31	GOLDEN BCH - 317 Ocean Blvd (A1A) below wrack
7/7/2013	Cc	NO	NO	NO DIGGING	2Ft.00in.	6Ft.00in.	Golden Bch # 13	Lot # 09	GOLDEN BCH - 177 Ocean Blvd (A1A) below wrack
7/8/2013	Cc	NO	YES	NO DIGGING	5Ft.00in.	91Ft.00in.	Golden Bch # 14	Lot # 05	GOLDEN BCH - 135 Ocean Blvd (A1A)
7/9/2013	Cc	NO	NO	NO DIGGING	4Ft.00in.	82Ft.00in.	Golden Bch # 15	Lot # 09	GOLDEN BCH - 177 Ocean Blvd (A1A)
7/26/2013	Cc	NO	NO	BODY PIT	56Ft.00in.	63Ft.00in.	Golden Bch # 16	Lot # 19	GOLDEN BCH - 219 Ocean Blvd (A1A)
7/26/2013	Cc	NO	NO	NO DIGGING	61Ft.00in.	18Ft.00in.	Golden Bch # 17	Lot # 74	GOLDEN BCH - 683 Ocean Blvd (A1A)
7/27/2013	Cc	NO	NO	NO DIGGING	42Ft.00in.	48Ft.00in.	Golden Bch # 18	Lot # 11	GOLDEN BCH - 185 Ocean Blvd (A1A)
7/27/2013	Cc	NO	YES	EGG CHAMBER	23Ft.00in.	56Ft.00in.	Golden Bch # 19	Lot # 66	GOLDEN BCH - 601 Ocean Blvd (A1A)
6/13/2013	Cm	NO	NO	NO DIGGING	0Ft.00in.	106Ft.00in.	GB Cm Fc # 01	Lot # 35	GBch - 355 Ocean Blvd (A1A) Cm Injury F Flip
6/23/2013	Cm	NO	NO	EGG CHAMBER	9Ft.00in.	110Ft.00in.	GB Cm Fc # 02	Lot # 23	GBch - 249 Ocean Blvd (A1A) Cm Injury F Flip
6/23/2013	Cm	NO	NO	BODY PIT	59Ft.00in.	38Ft.00in.	GB Cm Fc # 03	Lot # 16	GBch - 201 Ocean Blvd (A1A) Cm Injury F Flip
7/6/2013	Cm	NO	YES	EGG CHAMBER	1Ft.00in.	47Ft.00in.	GB Cm Fc # 04	Lot # 65	GBch - 661 Ocean Blvd (A1A)
7/9/2013	Cm	NO	NO	BODY PIT	2Ft.00in.	82Ft.00in.	GB Cm Fc # 05	Lot # 15	205 Ocean Blvd (A1A) Cm walked from Lot 15 North Id
7/11/2013	Cm	NO	NO	EGG CHAMBER	0Ft.00in.	130Ft.00in.	GB Cm Fc # 06	Lot # 18	9 Ocean Blvd (A1A) Cm Injury walked from Lot 18 North
7/15/2013	Cm	NO	NO	NO DIGGING	0Ft.00in.	98Ft.00in.	GB Cm Fc # 07	Lot # 41	GBch - 41 Ocean Blvd (A1A) 2 Lots North LGHO
7/16/2013	Cm	NO	YES	EGG CHAMBER	0Ft.00in.	88Ft.00in.	GB Cm Fc # 08	Lot # 67	- 615 Ocean Blvd (A1A) Long Walk - 1,000Ft So. Cont
7/17/2013	Cm	NO	NO	EGG CHAMBER	32Ft.00in.	62Ft.00in.	GB Cm Fc # 09	Lot # 29	GBch - 291 Ocean Blvd (A1A) 3 Chambers
8/12/2013	Cm	NO	YES	EGG CHAMBER	2Ft.00in.	83Ft.00in.	GB Cm Fc # 10	Lot # 39	Ocean Blvd LGHO (A1A) Cm Injury walked from Lot 39
8/24/2013	Cm	NO	YES	EGG CHAMBER	0Ft.00in.	82Ft.00in.	GB Cm Fc # 11	Lot # 67	5 Ocean Blvd (A1A) 2 Chambers 4 B Pits - 1,000Ft So.
6/6/2013	Cm	NO	NO	EGG CHAMBER	255Ft.00in.	45Ft.00in.	MB Cm Fc # 01	C - 15 St	MIAMI BEACH - 1301 A1A The Trump - 3km north of G Cut
6/17/2013	Cm	NO	NO	BODY PIT	192Ft.00in.	81Ft.00in.	MB Cm Fc # 03	O - LG # 05	HAUOVER BCH - No Side of LG 5 - 1km North of Inlet
6/20/2013	Cm	NO	NO	NO DIGGING	237Ft.00in.	91Ft.00in.	MB Cm Fc # 04	C - 14 St	MIAMI BEACH - 1401 Ocean Blvd - 3km north of G Cut
6/20/2013	Cm	NO	NO	NO DIGGING	221Ft.00in.	52Ft.00in.	MB Cm Fc # 05	C - 15 St	MIAMI BEACH - 1561 A1A The Trump - 3km north of G Cut
6/29/2013	Cm	NO	NO	BODY PIT	150Ft.00in.	23Ft.00in.	MB Cm Fc # 06	P - LG # 14	OVER BCH - Nude Bch No Side of LG 14 - 3km North of Inlet
6/29/2013	Cm	NO	NO	NO DIGGING	163Ft.00in.	32Ft.00in.	MB Cm Fc # 07	O - LG # 08	HAUOVER BCH - No Side of LG 14 - 2km North of Inlet
7/12/2013	Cm	NO	NO	BODY PIT	178Ft.00in.	67Ft.00in.	MB Cm Fc # 08	O - LG # 07	OVER BCH - Injury F Flip No Side of LG 07 - 2km North of Inlet
7/12/2013	Cm	NO	NO	NO DIGGING	187Ft.00in.	72Ft.00in.	MB Cm Fc # 09	O - LG # 05	ER BCH - Injury F Flip No Side X 100' of LG 5 - 1km North of Inlet
7/24/2013	Cm	NO	NO	EGG CHAMBER	178Ft.00in.	42Ft.00in.	MB Cm Fc # 10	O - LG # 10	LOVER BCH - So. Side x 125' of LG 10 - 2km North of Inlet
7/25/2013	Cm	NO	NO	NO DIGGING	192Ft.00in.	61Ft.00in.	MB Cm Fc # 11	C - 16 St	MIAMI BEACH - 1601 A1A The Trump - 3km north of G Cut
7/26/2013	Cm	NO	NO	BODY PIT	178Ft.00in.	41Ft.00in.	MB Cm Fc # 12	O - LG # 08	OVER BCH - Injury F Flip In Front of LG 14 - 2km North of Inlet
6/10/2013	Cc	NO	NO	NO DIGGING	0Ft.00in.	97Ft.00in.	Fisher Is Fc # 01	Club Beach	FISHER ISLAND - Club Bch South Jetty - 1.5km So. Of G Cut
6/23/2013	Cc	NO	NO	NO DIGGING	0Ft.00in.	28Ft.00in.	Fisher Is Fc # 02	Res. Bch	FISHER ISLAND - Oceanside II - 1km So. Of G Cut
6/24/2013	Cc	NO	NO	NO DIGGING	0Ft.00in.	116Ft.00in.	Fisher Is Fc # 03	Res. Bch	FISHER ISLAND - Oceanside II - 1km So. Of G Cut
6/24/2013	Cc	NO	NO	BODY PIT	0Ft.00in.	44Ft.00in.	Fisher Is Fc # 04	Res. Bch	FISHER ISLAND - Oceanside V - 0.5km So. Of G Cut
7/9/2013	Cc	NO	NO	NO DIGGING	0Ft.00in.	48Ft.00in.	Fisher Is Fc # 05	Res. Bch	FISHER ISLAND - Oceanside I - 1km So. Of G Cut
4/14/2014	Dc	NO	NO	NO DIGGING	4Ft.00in.	66Ft.00in.	MB Dc Fc # 01	D - 24 St	MIAMI BEACH - 2401 A1A - 4km north of Cut
5/16/2014	Cc	YES	NO	NO DIGGING	54Ft.00in.	62Ft.00in.	MB Fc # 01	S - 181 St	SUNNY ISLES - 18101 A1A - The Trump
5/18/2014	Cc	NO	NO	BODY PIT	62Ft.00in.	51Ft.00in.	MB Fc # 02	D - 22 St	MIAMI BEACH - 2201 A1A The W
5/18/2014	Cc	NO	NO	NO DIGGING	136Ft.00in.	28Ft.00in.	MB Fc # 03	O - LG # 04	HAUOVER BEACH - LG 4 South x 20 yds
5/19/2014	Cc	YES	NO	NO DIGGING	4Ft.00in.	72Ft.00in.	MB Fc # 04	M - 92 St	SURFSIDE - 9201 A1A The Waverly Hotel
5/20/2014	Cc	NO	NO	NO DIGGING	36Ft.00in.	54Ft.00in.	MB Fc # 05	J - 71 St	MIAMI BEACH - 7101 A1A
5/22/2014	Cc	YES	NO	NO DIGGING	16Ft.00in.	20Ft.00in.	MB Fc # 06	G - 54 St	MIAMI BEACH - 5445 A1A The Castle
5/23/2014	Cc	YES	YES	BODY PIT	34Ft.00in.	40Ft.00in.	MB Fc # 07	M - 91 St	SURFSIDE - 9165 A1A Hillcrest By Sea Yellow Condo
5/28/2014	Cc	YES	NO	BODY PIT	98Ft.00in.	48Ft.00in.	MB Fc # 08	M - 97 St	HARBOUR - 9701 A1A The St. Regis - 1km South Haul
5/28/2014	Cc	YES	NO	NO DIGGING	105Ft.00in.	50Ft.00in.	MB Fc # 09	M - 99 St	BAL HARBOUR - 9909 A1A The Sea View
5/28/2014	Cc	YES	NO	NO DIGGING	66Ft.00in.	32Ft.00in.	MB Fc # 10	T - 192 St	SUNNY ISLES - 19201 A1A The Marco Polo
5/29/2014	Cc	NO	NO	NO DIGGING	104Ft.00in.	12Ft.00in.	MB Fc # 11	P - LG # 13	HAUOVER BEACH - LG # 13 South x 40 yds
5/29/2014	Cc	NO	NO	NO DIGGING	201Ft.00in.	32Ft.00in.	MB Fc # 12	B - 13 St	MIAMI BEACH - 1301 A1A Lumus Park
5/29/2014	Cc	NO	NO	NO DIGGING	170Ft.00in.	88Ft.00in.	MB Fc # 13	D - 17 St	MIAMI BEACH - 1701 A1A The Ritz
5/29/2014	Cc	NO	NO	NO DIGGING	136Ft.00in.	52Ft.00in.	MB Fc # 14	D - 22 St	MIAMI BEACH - 2201 A1A The W
5/30/2014	Cc	YES	NO	BODY PIT	103Ft.00in.	27Ft.00in.	MB Fc # 15	N - 101 St	BAL HARBOUR - 10185 A1A The Plaza
5/30/2014	Cc	NO	NO	NO DIGGING	98Ft.00in.	12Ft.00in.	MB Fc # 16	O - 164 St	JUNNY ISLES - 16485 A1A - Oceanside I south of Pier 300
5/31/2014	Cc	YES	NO	BODY PIT	-1Ft.00in.	104Ft.00in.	MB Fc # 17	M - 95 St	SURFSIDE - 9556 A1A The Sol Mar Condo
5/31/2014	Cc	NO	NO	NO DIGGING	95Ft.00in.	11Ft.00in.	MB Fc # 18	P - 159 St	SUNNY ISLES - 15901 A1A THE TRUMP II
6/3/2014	Cc	NO	NO	NO DIGGING	123Ft.00in.	32Ft.00in.	MB Fc # 19	M - 97 St	BAL HARBOUR - 9701 A1A The St. Regis
6/7/2014	Cc	YES	NO	NO DIGGING	40Ft.00in.	36Ft.00in.	MB Fc # 20	M - 95 St	SURFSIDE - 9559 A1A The Sol Mar Condo
6/9/2014	Cc	YES	NO	NO DIGGING	97Ft.00in.	75Ft.00in.	MB Fc # 21	I - 64 St	MIAMI BEACH - 6401 A1A The Monte Carlo
6/10/2014	Cc	NO	NO	NO DIGGING	101Ft.00in.	32Ft.00in.	MB Fc # 22	A - Cut	MIAMI BEACH - 135 South Point Dr The Continuum
6/10/2014	Cc	YES	NO	BODY PIT	18Ft.00in.	72Ft.00in.	MB Fc # 23	S - 185 St	SUNNY ISLES - 18501 A1A The Turnberry
6/11/2014	Cc	NO	NO	BODY PIT	101Ft.00in.	50Ft.00in.	MB Fc # 24	A - 1 St	MIAMI BEACH - 135 South Point Dr The Continuum

Cc Nest Worksheet

If "YES" then Inventory, HS and ES values will automatically be generated as "0" or "0%". If available, inventory data for partial washouts can be entered but HS and ES will be 0% for Nourishment Productivity.

Date Nest Recorded (mm/dd/yyyy)	Escarpment ≥ 18" Encountered (YES/NO)	ID/Label	Beach Zone (Optional)	Nest within Project Area (YES/NO)	Distance From Dune (Feet) (5 Ft 3 In should be entered as 5.03)	Distance From MHW (Feet) (5 Ft 3 In should be entered as 5.03)	Nest Relocated (YES/NO)	Nest Washed Over (YES/NO)	Nest Completely or Partially Washed Out (YES/NO)	Nest Completely Depredated (YES/NO)
4/30/2013	NO	MB # 01	O - LG # 4	NO	130Ft.00in.	64Ft.00in.	NO	NO	NO	NO
5/1/2013	NO	MB # 02	O - LG # 8	NO	210Ft.00in.	31Ft.00in.	YES	NO	NO	NO
5/4/2013	NO	MB # 03	R - 175 St	NO	55Ft.00in.	22Ft.00in.	YES	NO	NO	NO
5/4/2013	NO	MB # 04	S - 186 St	NO	95Ft.06in.	16Ft.06in.	YES	NO	NO	NO
5/5/2013	NO	MB # 05	N - 101 St	YES	3Ft.00in.	15Ft.10in.	YES	NO	NO	NO
5/6/2013	NO	MB # 06	F - 43 St	YES	90Ft.00in.	25Ft.00in.	YES	NO	NO	NO
5/8/2013	NO	MB # 07	G - 53 St	YES	15Ft.00in.	25Ft.00in.	YES	NO	NO	NO
5/8/2013	NO	MB # 08	G - 52 St	YES	70Ft.00in.	29Ft.00in.	YES	NO	NO	NO
5/10/2013	NO	MB # 09	P - 156 St	NO	80Ft.00in.	40Ft.00in.	NO	YES	NO	NO
5/10/2013	NO	MB # 10	Q - 159 St	NO	96Ft.00in.	22Ft.00in.	YES	NO	NO	NO
5/10/2013	NO	MB # 11	A - 4 St	NO	191Ft.02in.	34Ft.05in.	YES	NO	NO	NO
5/11/2013	NO	MB # 12	S - 181 St	NO	85Ft.00in.	24Ft.00in.	YES	NO	NO	NO
5/13/2013	NO	MB # 13	S - 183 St	NO	113Ft.00in.	63Ft.00in.	NO	YES	NO	NO
5/13/2013	NO	MB # 14	E - 29 St	NO	167Ft.00in.	24Ft.00in.	YES	NO	NO	NO
5/14/2013	NO	MB # 15	N - 102 St	YES	2Ft.00in.	58Ft.00in.	YES	NO	NO	NO
5/14/2013	NO	MB # 16	F - 46 St	YES	55Ft.00in.	27Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 17	D - 25 St	YES	30Ft.00in.	60Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 18	E - 35 St	NO	175Ft.00in.	35Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 19	O - LG # 9	NO	233Ft.00in.	32Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 20	O - LG # 4	NO	128Ft.00in.	92Ft.00in.	NO	NO	NO	NO
5/17/2013	NO	MB # 21	H - 58 St	NO	156Ft.00in.	15Ft.00in.	YES	NO	NO	NO
5/17/2013	NO	MB # 22	M - 95 St	NO	74Ft.00in.	56Ft.00in.	NO	NO	NO	NO
5/17/2013	NO	MB # 23	S - 181 St	YES	125Ft.00in.	53Ft.00in.	NO	YES	NO	NO
5/18/2013	NO	MB # 24	P - LG # 15	NO	117Ft.00in.	28Ft.00in.	YES	NO	NO	NO
5/19/2013	NO	MB # 25	I - 63 St	NO	86Ft.00in.	29Ft.00in.	YES	NO	NO	NO
5/20/2013	NO	MB # 26	P - 158 St	NO	90Ft.00in.	26Ft.00in.	YES	NO	NO	NO
5/21/2013	NO	MB # 27	A - 1 St	NO	200Ft.00in.	31Ft.00in.	YES	NO	NO	NO
5/21/2013	NO	MB # 28	H - 55 St	NO	75Ft.00in.	16Ft.00in.	YES	NO	NO	NO
5/21/2013	NO	MB # 29	M - 96 St	YES	60Ft.00in.	25Ft.00in.	YES	NO	NO	NO
5/22/2013	NO	MB # 30	R - 173 St	NO	68Ft.00in.	48Ft.00in.	YES	NO	NO	NO
5/23/2013	NO	MB # 31	F - 46 St	YES	65Ft.00in.	16Ft.00in.	YES	NO	NO	NO
5/24/2013	NO	MB # 32	P - 157 St	NO	96Ft.00in.	43Ft.00in.	NO	YES	NO	NO
5/25/2013	NO	MB # 33	A - 4 St	NO	210Ft.00in.	10Ft.00in.	YES	NO	NO	NO
5/25/2013	NO	MB # 34	P - LG # 11	NO	215Ft.00in.	43Ft.00in.	NO	YES	NO	NO
5/26/2013	NO	MB # 35	H - 58 St	NO	101Ft.00in.	258Ft.00in.	NO	NO	NO	NO
5/26/2013	NO	MB # 36	S - 183 St	NO	83Ft.00in.	52Ft.00in.	NO	NO	NO	NO
5/26/2013	NO	MB # 37	O - LG # 7	NO	161Ft.00in.	56Ft.00in.	NO	NO	NO	NO
5/28/2013	NO	MB # 38	R - 177 St	NO	11Ft.00in.	88Ft.00in.	NO	NO	NO	NO
5/28/2013	NO	MB # 39	P - LG # 12	NO	220Ft.00in.	18Ft.00in.	YES	NO	NO	NO
5/28/2013	NO	MB # 40	T - 192 St	YES	18Ft.00in.	52Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 41	M - 97 St	YES	4Ft.00in.	96Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 42	D - 24 St	YES	67Ft.00in.	30Ft.00in.	YES	NO	NO	NO
5/29/2013	NO	MB # 43	Q - 167 St	NO	104Ft.80in.	63Ft.30in.	NO	NO	NO	NO
5/29/2013	NO	MB # 44	O - LG # 11	NO	110Ft.00in.	43Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 45	O - LG # 3	NO	160Ft.00in.	61Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 46	N - LG # 2	NO	125Ft.00in.	55Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 47	R - 175 St	YES	88Ft.00in.	56Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 48	O - LG # 4	NO	120Ft.00in.	80Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 49	M - 95 St	NO	45Ft.00in.	72Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 50	K - 83 St	NO	30Ft.00in.	76Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 51	J - 77 St	NO	70Ft.00in.	67Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 52	I - 66 St	NO	85Ft.00in.	35Ft.00in.	YES	NO	NO	NO
6/1/2013	YES	MB # 53	Q - 160 St	NO	52Ft.00in.	38Ft.00in.	NO	NO	NO	NO
6/1/2013	NO	MB # 54	Q - 160 St	NO	48Ft.00in.	46Ft.00in.	NO	YES	NO	NO
6/1/2013	NO	MB # 55	G - 54 St	YES	5Ft.00in.	20Ft.00in.	YES	NO	NO	NO
6/3/2013	NO	MB # 56	P - LG # 15	NO	96Ft.00in.	13Ft.00in.	YES	NO	NO	NO
6/3/2013	YES	MB # 57	N - LG # 1	NO	180Ft.00in.	38Ft.00in.	NO	YES	YES	NO
6/5/2013	NO	MB # 58	Q - 164 St	NO	78Ft.00in.	18Ft.00in.	YES	NO	NO	NO
6/5/2013	NO	MB # 59	S - 180 St	YES	80Ft.00in.	26Ft.00in.	YES	NO	NO	NO
6/5/2013	NO	MB # 60	A - 1 St	NO	215Ft.00in.	45Ft.00in.	NO	YES	NO	NO
6/6/2013	NO	MB # 61	H - 56 St	YES	95Ft.00in.	10Ft.00in.	NO	NO	NO	NO
6/7/2013	NO	MB # 62	K - 79 St	NO	95Ft.00in.	20Ft.00in.	NO	YES	YES	NO
6/9/2013	NO	MB # 63	R - 173 St	NO	88Ft.00in.	18Ft.00in.	YES	NO	NO	NO
6/9/2013	NO	MB # 64	Q - 186 St	NO	78Ft.00in.	16Ft.00in.	YES	NO	NO	NO
6/10/2013	NO	MB # 65	O - LG # 6	NO	138Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/10/2013	NO	MB # 66	N - LG # 5	NO	188Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/10/2013	NO	MB # 67	A - 4 St	NO	245Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/11/2013	NO	MB # 68	Q - 164 St	NO	58Ft.00in.	64Ft.00in.	NO	NO	NO	NO
6/11/2013	NO	MB # 69	A - 1 St	NO	210Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/11/2013	NO	MB # 70	A - 4 St	NO	230Ft.00in.	15Ft.00in.	YES	NO	NO	NO
6/11/2013	NO	MB # 71	O - LG # 11	NO	171Ft.00in.	32Ft.00in.	NO	NO	NO	NO
6/12/2013	NO	MB # 72	T - 192 St	YES	30Ft.00in.	70Ft.00in.	NO	NO	NO	NO
6/12/2013	NO	MB # 73	E - 29 St	NO	176Ft.00in.	25Ft.00in.	YES	NO	NO	NO
6/12/2013	NO	MB # 74	O - LG # 6	NO	205Ft.00in.	25Ft.00in.	NO	NO	NO	NO
6/12/2013	NO	MB # 75	O - LG # 6	NO	248Ft.00in.	22Ft.00in.	NO	NO	NO	NO

6/12/2013	NO	MB # 76	O - LG # 5	NO	177Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/13/2013	NO	MB # 77	A - Govt Cut	NO	222Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/13/2013	NO	MB # 78	G - 47 St	YES	52Ft.00in.	23Ft.00in.	YES	NO	NO	NO
6/14/2013	NO	MB # 79	D - 24 St	NO	69Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/14/2013	NO	MB # 80	J - 68 St	YES	46Ft.00in.	67Ft.00in.	NO	NO	NO	NO
6/14/2013	NO	MB # 81	I - 64 St	NO	76Ft.00in.	57Ft.00in.	NO	NO	NO	NO
6/14/2013	NO	MB # 82	I - 63 St	NO	82Ft.00in.	64Ft.00in.	NO	NO	NO	NO
6/14/2013	NO	MB # 83	H - 60 St	NO	46Ft.00in.	82Ft.00in.	NO	NO	NO	NO
6/15/2013	NO	MB # 84	O - LG # 6	NO	123Ft.00in.	64Ft.00in.	NO	NO	NO	NO
6/16/2013	NO	MB # 85	Q - 160 St	NO	64Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/16/2013	NO	MB # 86	G - 47 St	YES	57Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/16/2013	NO	MB # 87	N - 101 St	YES	24Ft.00in.	29Ft.00in.	YES	NO	NO	NO
6/17/2013	NO	MB # 88	O - LG # 10	NO	202Ft.00in.	48Ft.00in.	NO	NO	NO	NO
6/17/2013	NO	MB # 89	Q - 160 St	NO	61Ft.00in.	52Ft.00in.	NO	NO	NO	NO
6/17/2013	NO	MB # 90	G - 53 St	YES	49Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 91	A - 2 St	NO	201Ft.00in.	20Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 92	C - 16 St	NO	213Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 93	D - 22 St	NO	101Ft.00in.	20Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 94	L - 88 St	NO	32Ft.00in.	97Ft.00in.	NO	NO	NO	NO
6/19/2013	NO	MB # 95	F - 44 St	YES	67Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/19/2013	NO	MB # 96	M - 94 St	NO	67Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/19/2013	NO	MB # 97	M - 94 St	NO	67Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/19/2013	NO	MB # 98	I - 60 St	NO	76Ft.00in.	34Ft.00in.	NO	NO	NO	NO
6/20/2013	NO	MB # 99	Q - 160 St	NO	92Ft.00in.	16Ft.00in.	YES	NO	NO	NO
6/21/2013	NO	MB # 100	A - 5 St	NO	177Ft.00in.	14Ft.00in.	YES	NO	NO	NO
6/22/2013	NO	MB # 101	R - 173 St	NO	86Ft.00in.	22Ft.00in.	YES	NO	NO	NO
6/23/2013	NO	MB # 102	O - LG # 5	NO	130Ft.00in.	121Ft.00in.	NO	NO	NO	NO
6/24/2013	NO	MB # 103	O - LG # 8	NO	166Ft.00in.	48Ft.00in.	NO	NO	NO	NO
6/24/2013	NO	MB # 104	P - LG # 13	NO	202Ft.00in.	18Ft.00in.	YES	NO	NO	NO
6/24/2013	NO	MB # 105	O - LG # 6	NO	125Ft.00in.	72Ft.00in.	NO	NO	NO	NO
6/25/2013	NO	MB # 106	A - 1 St	NO	201Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 107	E - 30 St	YES	200Ft.00in.	15Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 108	F - 44 St	YES	65Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 109	H - 58 St	NO	176Ft.00in.	15Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 110	K - 81 St	NO	26Ft.00in.	72Ft.00in.	NO	NO	NO	NO
6/28/2013	NO	MB # 111	B - 11 St	YES	242Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/26/2013	NO	MB # 112	O - LG # 3	NO	96Ft.00in.	110Ft.00in.	NO	NO	NO	NO
6/28/2013	NO	MB # 113	A - 1 St	NO	222Ft.00in.	12Ft.00in.	YES	NO	NO	NO
6/28/2013	NO	MB # 114	Q - 160 St	NO	73Ft.00in.	21Ft.00in.	YES	NO	NO	NO
6/28/2013	NO	MB # 115	M - 93 St	NO	0Ft.00in.	86Ft.00in.	NO	NO	NO	NO
6/28/2013	NO	MB # 116	M - 95 St	NO	5Ft.00in.	66Ft.00in.	NO	NO	NO	NO
6/29/2013	NO	MB # 117	O - LG # 9	NO	198Ft.00in.	42Ft.00in.	NO	NO	NO	NO
6/29/2013	NO	MB # 118	H - 56 St	NO	87Ft.00in.	81Ft.00in.	NO	NO	NO	NO
6/30/2013	NO	MB # 119	D - 24 St	YES	41Ft.00in.	25Ft.00in.	YES	NO	NO	NO
6/30/2013	NO	MB # 120	H - 58 St	NO	177Ft.00in.	47Ft.00in.	NO	YES	YES	NO
6/30/2013	NO	MB # 121	Q - 159 St	NO	86Ft.00in.	16Ft.00in.	YES	NO	NO	NO
6/30/2013	NO	MB # 122	P - LG # 12	NO	168Ft.00in.	71Ft.00in.	NO	NO	NO	NO
7/2/2013	NO	MB # 123	O - LG # 5	NO	140Ft.00in.	72Ft.00in.	NO	NO	NO	NO
7/2/2013	NO	MB # 124	S - 185 St	YES	124Ft.00in.	63Ft.00in.	NO	NO	NO	NO
7/2/2013	NO	MB # 125	E - 36 St	YES	152Ft.00in.	11Ft.00in.	YES	NO	NO	NO
7/2/2013	NO	MB # 126	L - 89 St	NO	52Ft.00in.	26Ft.00in.	NO	NO	NO	NO
7/5/2013	NO	MB # 127	Q - 159 St	NO	66Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/5/2013	NO	MB # 128	T - 189 St	YES	71Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/7/2013	NO	MB # 129	C - 16 St	NO	226Ft.00in.	35Ft.00in.	YES	NO	NO	NO
7/7/2013	NO	MB # 130	E - 38 St	NO	128Ft.00in.	37Ft.00in.	YES	NO	NO	NO
7/7/2013	YES	MB # 131	N - LG # 2	NO	226Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/7/2013	YES	MB # 132	N - LG # 2	NO	147Ft.00in.	13Ft.00in.	YES	NO	NO	NO
7/7/2013	NO	MB # 133	O - LG # 9	NO	148Ft.00in.	31Ft.00in.	NO	NO	NO	NO
7/8/2013	NO	MB # 134	T - 193 St	YES	71Ft.00in.	22Ft.00in.	YES	NO	NO	NO
7/8/2013	NO	MB # 135	A - 1 St	NO	186Ft.00in.	32Ft.00in.	YES	NO	NO	NO
7/8/2013	NO	MB # 136	D - 17 St	YES	232Ft.00in.	20Ft.00in.	YES	NO	NO	NO
7/8/2013	NO	MB # 137	N - 102 St	YES	2Ft.00in.	28Ft.00in.	YES	NO	NO	NO
7/9/2013	NO	MB # 138	D - 24 St	YES	42Ft.00in.	26Ft.00in.	YES	NO	NO	NO
7/9/2013	YES	MB # 139	N - LG # 1	NO	90Ft.00in.	56Ft.00in.	NO	NO	NO	NO
7/9/2013	NO	MB # 140	R - 172 St	YES	86Ft.00in.	23Ft.00in.	YES	NO	NO	NO
7/9/2013	NO	MB # 141	M - 98 St	NO	39Ft.00in.	32Ft.00in.	NO	NO	NO	NO
7/11/2013	NO	MB # 142	L - 91 St	NO	42Ft.00in.	63Ft.00in.	NO	NO	NO	NO
7/11/2013	NO	MB # 143	Q - 160 St	NO	63Ft.00in.	26Ft.00in.	YES	NO	NO	NO
7/12/2013	NO	MB # 144	C - 14 St	NO	211Ft.00in.	27Ft.00in.	YES	NO	NO	NO
7/12/2013	NO	MB # 145	O - LG # 9	NO	160Ft.00in.	48Ft.00in.	NO	YES	NO	NO
7/13/2013	NO	MB # 146	P - LG # 13	NO	180Ft.00in.	60Ft.00in.	YES	NO	NO	NO
7/13/2013	NO	MB # 147	O - LG # 10	NO	170Ft.00in.	62Ft.00in.	NO	NO	NO	NO
7/14/2013	NO	MB # 148	T - 190 St	YES	72Ft.00in.	23Ft.00in.	YES	NO	NO	NO
7/14/2013	YES	MB # 149	O - LG # 3	YES	95Ft.00in.	70Ft.00in.	NO	NO	NO	NO
7/14/2013	NO	MB # 150	N - 101 St	YES	47Ft.00in.	11Ft.00in.	YES	NO	NO	NO
7/15/2013	NO	MB # 151	R - 170 St	YES	38Ft.00in.	23Ft.00in.	YES	NO	NO	NO
7/15/2013	NO	MB # 152	S - 184 St	YES	68Ft.00in.	76Ft.00in.	NO	NO	NO	NO
7/15/2013	NO	MB # 153	F - 46 St	YES	39Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/15/2013	NO	MB # 154	O - LG # 6	NO	213Ft.00in.	34Ft.00in.	NO	YES	NO	NO
7/16/2013	NO	MB # 155	L - 87 St	NO	26Ft.00in.	62Ft.00in.	NO	NO	NO	NO
7/16/2013	NO	MB # 156	T - 193 St	YES	61Ft.00in.	26Ft.00in.	YES	NO	NO	NO
7/18/2013	NO	MB # 157	O - LG # 10	NO	158Ft.00in.	25Ft.00in.	NO	YES	NO	NO
7/18/2013	NO	MB # 158	O - LG # 10	NO	154Ft.00in.	28Ft.00in.	NO	YES	NO	NO
7/19/2013	NO	MB # 159	Q - 165 St	NO	65Ft.00in.	21Ft.00in.	YES	NO	NO	NO
7/20/2013	NO	MB # 160	E - 39 St	NO	10Ft.00in.	101Ft.00in.	YES	NO	NO	NO
7/20/2013	NO	MB # 161	S - 178 St	YES	1Ft.29in.	22Ft.00in.	YES	NO	NO	NO
7/21/2013	NO	MB # 162	A - 1 St	NO	211Ft.00in.	16Ft.00in.	YES	NO	NO	NO

7/21/2013	NO	MB # 163	E - 29 St	NO	187Fl.00in.	11Fl.00in.	YES	NO	NO	NO
7/21/2013	NO	MB # 164	G - 47 St	YES	44Fl.00in.	10Fl.00in.	YES	NO	NO	NO
7/21/2013	YES	MB # 165	N - LG # 2	NO	191Fl.00in.	26Fl.00in.	NO	NO	NO	NO
7/21/2013	NO	MB # 166	P - LG # 12	NO	238Fl.00in.	22Fl.00in.	YES	NO	NO	NO
7/22/2013	NO	MB # 167	J - 69 St	YES	98Fl.00in.	21Fl.00in.	YES	NO	NO	NO
7/23/2013	NO	MB # 168	L - 90 St	NO	62Fl.00in.	31Fl.00in.	NO	YES	YES	NO
7/23/2013	NO	MB # 169	M - 94 St	NO	26Fl.00in.	62Fl.00in.	NO	YES	YES	NO
7/25/2013	NO	MB # 170	C - 15 St	NO	216Fl.00in.	36Fl.00in.	YES	NO	NO	NO
7/28/2013	NO	MB # 171	P - LG # 11	NO	174Fl.00in.	62Fl.00in.	NO	NO	NO	NO
7/29/2013	NO	MB # 172	I - 65 St	YES	97Fl.00in.	42Fl.00in.	NO	YES	NO	NO
7/29/2013	NO	MB # 173	S - 183 St	NO	65Fl.00in.	20Fl.00in.	NO	NO	NO	NO
7/29/2013	NO	MB # 174	L - 88 St	NO	49Fl.00in.	52Fl.00in.	NO	NO	NO	NO
7/30/2013	NO	MB # 175	O - 167 St	NO	104Fl.00in.	23Fl.00in.	YES	NO	NO	NO
7/30/2013	NO	MB # 176	B - 13 St	YES	230Fl.00in.	15Fl.00in.	YES	NO	NO	NO
7/31/2013	NO	MB # 177	N - 102 St	YES	2Fl.00in.	81Fl.00in.	NO	NO	NO	NO
8/1/2013	NO	MB # 178	N - 102 St	YES	10Fl.00in.	22Fl.00in.	YES	NO	NO	NO
8/2/2013	NO	MB # 179	E - 40 St	YES	141Fl.00in.	11Fl.00in.	NO	NO	NO	NO
8/2/2013	NO	MB # 180	F - 46 St	YES	82Fl.00in.	15Fl.00in.	YES	NO	NO	NO
8/3/2013	NO	MB # 181	N - 99 St	YES	30Fl.00in.	10Fl.00in.	YES	NO	NO	NO
8/4/2013	YES	MB # 182	N - LG # 2	NO	201Fl.00in.	48Fl.00in.	NO	NO	NO	NO
8/6/2013	NO	MB # 183	F - 45 St	YES	72Fl.00in.	10Fl.00in.	NO	NO	NO	NO
8/7/2013	NO	MB # 184	N - 101 St	YES	46Fl.00in.	14Fl.00in.	YES	NO	NO	NO
8/7/2013	NO	MB # 185	S - 174 St	NO	83Fl.00in.	31Fl.00in.	NO	YES	YES	NO
8/8/2013	NO	MB # 186	D - 22 St	NO	192Fl.00in.	9Fl.00in.	YES	NO	NO	NO
8/10/2013	YES	MB # 187	S - 178 St	YES	69Fl.00in.	46Fl.00in.	NO	NO	NO	NO
8/10/2013	NO	MB # 188	H - 60 St	NO	183Fl.00in.	26Fl.00in.	NO	YES	NO	NO
8/10/2013	NO	MB # 189	S - 179 St	NO	91Fl.00in.	19Fl.00in.	YES	NO	NO	NO
8/19/2013	NO	MB # 190	G - 52 St	YES	71Fl.00in.	42Fl.00in.	YES	NO	NO	NO
8/25/2013	NO	MB # 191	O - LG # 5	NO	152Fl.00in.	38Fl.00in.	YES	NO	NO	NO
7/24/2013	NO	Missed # 01MB	A - 5 St	NO	203Fl.00in.	41Fl.00in.	NO	NO	NO	NO
8/3/2013	YES	Missed # 02MB	O - LG # 2	NO	175Fl.00in.	15Fl.00in.	NO	YES	YES	NO
8/25/2013	NO	Missed # 05MB	E - 27 St	YES	46Fl.00in.	38Fl.00in.	NO	NO	YES	NO
4/26/2013	YES	GBCH # 01	Lot 68	NO	20Fl.00in.	35Fl.00in.	NO	YES	NO	NO
5/6/2013	YES	GBCH # 02	Lot 64	NO	48Fl.00in.	35Fl.00in.	NO	YES	NO	NO
5/7/2013	NO	GBCH # 03	Lot 76	NO	10Fl.00in.	40Fl.00in.	NO	NO	NO	NO
5/16/2013	YES	GBCH # 04	Lot 71	NO	58Fl.00in.	42Fl.00in.	NO	YES	YES	NO
5/21/2013	NO	GBCH # 05	Lot 02	NO	64Fl.00in.	12Fl.00in.	YES	NO	NO	NO
5/21/2013	NO	GBCH # 06	Lot 34	NO	70Fl.00in.	62Fl.00in.	NO	NO	NO	NO
5/26/2013	NO	GBCH # 07	Lot 01	NO	1Fl.00in.	61Fl.00in.	NO	NO	NO	NO
6/4/2013	NO	GBCH # 08	Lot 10	NO	65Fl.00in.	38Fl.00in.	NO	YES	NO	NO
6/5/2013	NO	GBCH # 09	Lot 66	NO	80Fl.00in.	11Fl.00in.	NO	NO	NO	NO
6/6/2013	NO	GBCH # 10	Lot 62	NO	56Fl.00in.	28Fl.00in.	NO	NO	NO	NO
6/6/2013	YES	GBCH # 11	Lot 67	NO	18Fl.00in.	51Fl.00in.	NO	NO	NO	NO
6/16/2013	YES	GBCH # 12	Lot 71	NO	42Fl.00in.	15Fl.00in.	NO	YES	YES	NO
6/19/2013	NO	GBCH # 13	Lot 59	NO	108Fl.00in.	36Fl.00in.	NO	YES	NO	NO
6/25/2013	NO	GBCH # 14	Lot 57	NO	53Fl.00in.	33Fl.00in.	NO	NO	NO	NO
7/3/2013	YES	GBCH # 15	Lot 71	NO	4Fl.00in.	74Fl.00in.	NO	NO	NO	NO
7/8/2013	NO	GBCH # 16	Lot 18	NO	0Fl.00in.	98Fl.00in.	NO	NO	NO	NO
7/11/2013	NO	GBCH # 17	Lot 18	NO	62Fl.00in.	48Fl.00in.	NO	NO	NO	NO
7/12/2013	NO	GBCH # 18	Lot 67	NO	54Fl.00in.	38Fl.00in.	NO	NO	NO	NO
7/13/2013	NO	GBCH # 19	Lot 04	NO	58Fl.00in.	33Fl.00in.	NO	YES	NO	NO
7/16/2013	NO	GBCH # 20	Lot 41	NO	51Fl.00in.	54Fl.00in.	NO	NO	NO	NO
7/17/2013	NO	GBCH # 21	Lot 18	NO	92Fl.00in.	32Fl.00in.	NO	YES	NO	NO
7/26/2013	YES	GBCH # 22	Lot 71	NO	10Fl.00in.	70Fl.00in.	NO	NO	NO	NO
7/26/2013	YES	GBCH # 23	Lot 66	NO	30Fl.00in.	65Fl.00in.	NO	YES	NO	NO
7/26/2013	YES	GBCH # 24	Lot 64	NO	31Fl.00in.	42Fl.00in.	NO	YES	YES	NO
7/27/2013	YES	GBCH # 25	Lot 63	NO	36Fl.00in.	48Fl.00in.	NO	NO	NO	NO
8/9/2013	YES	GBCH # 26	Lot 54	NO	47Fl.00in.	28Fl.00in.	NO	YES	YES	NO
5/20/2013	NO	Fisher Is. # 01	Oceanside II	NO	28Fl.00in.	52Fl.00in.	NO	NO	NO	NO
5/22/2013	NO	Fisher Is. # 02	Oceanside V	NO	45Fl.00in.	15Fl.00in.	NO	NO	NO	NO
5/25/2013	NO	Fisher Is. # 03	Club Bch	NO	48Fl.00in.	42Fl.00in.	NO	NO	NO	NO
5/27/2013	NO	Fisher Is. # 04	Oceanside I	NO	22Fl.00in.	46Fl.00in.	NO	NO	NO	NO
6/4/2013	NO	Fisher Is. # 05	Seaside Villa	NO	12Fl.00in.	24Fl.00in.	NO	NO	NO	NO
6/5/2013	NO	Fisher Is. # 06	Oceanside II	NO	29Fl.00in.	27Fl.00in.	NO	NO	NO	NO
6/9/2013	NO	Fisher Is. # 07	Club Bch	NO	57Fl.00in.	32Fl.00in.	NO	NO	NO	NO
6/10/2013	NO	Fisher Is. # 08	Oceanside V	NO	150Fl.00in.	23Fl.00in.	NO	NO	NO	NO
6/10/2013	NO	Fisher Is. # 09	Oceanside V	NO	153Fl.00in.	7Fl.00in.	YES	NO	NO	NO
6/23/2013	NO	Fisher Is. # 10	Oceanside V	NO	3Fl.00in.	148Fl.00in.	NO	NO	NO	NO
6/25/2013	NO	Fisher Is. # 11	Oceanside IV	NO	0Fl.00in.	44Fl.00in.	NO	NO	NO	NO
7/1/2013	NO	Fisher Is. # 12	Oceanside VI	NO	34Fl.00in.	20Fl.00in.	NO	NO	NO	NO
7/9/2013	NO	Fisher Is. # 13	Oceanside II	NO	0Fl.00in.	48Fl.00in.	NO	NO	NO	NO
7/15/2013	NO	Fisher Is. # 14	Club Bch	NO	49Fl.00in.	45Fl.00in.	NO	NO	NO	NO
7/15/2013	NO	Fisher Is. # 15	Oceanside III	NO	26Fl.00in.	30Fl.00in.	NO	NO	NO	NO
7/23/2013	NO	Fisher Is. # 16	Oceanside VII	NO	44Fl.00in.	39Fl.00in.	NO	NO	NO	NO
7/31/2013	NO	Fisher Is. # 17	Oceanside II	NO	40Fl.00in.	16Fl.00in.	NO	YES	YES	NO
7/31/2013	NO	Fisher Is. # 18	Seaside Villa	NO	35Fl.00in.	35Fl.00in.	NO	NO	NO	NO
6/23/2013	NO	Missed # 01	Oceanside VI	NO	2Fl.00in.	42Fl.00in.	NO	NO	NO	NO
5/5/2014	NO	MB # 01	M - 99 St	YES	125Fl.00in.	40Fl.00in.	NO	NO	NO	NO
5/9/2014	NO	MB # 02	N - 101 St	YES	101Fl.00in.	52Fl.00in.	NO	NO	NO	NO
5/12/2014	NO	MB # 03	H - 55 St	NO	80Fl.00in.	28Fl.00in.	NO	YES	YES	NO
5/13/2014	NO	MB # 04	N - 101 St	YES	103Fl.00in.	42Fl.00in.	NO	NO	NO	NO
5/14/2014	NO	MB # 05	M - 98 St	YES	118Fl.00in.	50Fl.00in.	NO	NO	NO	NO
5/15/2014	NO	MB # 06	G - 52 St	NO	38Fl.00in.	9Fl.00in.	YES	NO	NO	NO
5/16/2014	NO	MB # 07	E - 35 St	NO	126Fl.00in.	42Fl.00in.	YES	NO	NO	NO
5/17/2014	NO	MB # 08	L - 88 St	YES	36Fl.00in.	41Fl.00in.	NO	NO	NO	NO
5/18/2014	NO	MB # 09	B - 5 St	NO	241Fl.00in.	9Fl.00in.	YES	NO	NO	NO

5/18/2014	NO	MB # 10	N - 101 St	YES	102Ft.00in.	31Ft.00in.	NO	NO	NO	NO
5/18/2014	NO	MB # 11	M - 95 St	YES	62Ft.00in.	31Ft.00in.	NO	NO	NO	NO
5/19/2014	NO	MB # 12	M - 94St	YES	30Ft.00in.	35Ft.00in.	NO	NO	NO	NO
5/20/2014	NO	MB # 13	K - 86 St	NO	62Ft.00in.	36Ft.00in.	NO	NO	NO	NO
5/22/2014	NO	MB # 14	M - 96 St	YES	78Ft.00in.	42Ft.00in.	NO	NO	NO	NO
5/22/2014	NO	MB # 15	F - 43 St	NO	51Ft.00in.	10Ft.00in.	YES	NO	NO	NO
5/23/2014	NO	MB # 16	G - 47 St	NO	41Ft.00in.	37Ft.00in.	NO	NO	NO	NO
5/24/2014	NO	MB # 17	P - 152 St	NO	51Ft.00in.	18Ft.00in.	NO	YES	YES	NO
5/24/2014	NO	MB # 18	M - 99 St	YES	98Ft.00in.	46Ft.00in.	NO	NO	NO	NO
5/25/2014	NO	MB # 19	E - 30 St	NO	156Ft.00in.	11Ft.00in.	YES	NO	NO	NO
5/26/2014	NO	MB # 20	B - 9 St	NO	196Ft.00in.	12Ft.00in.	YES	NO	NO	NO
5/26/2014	NO	MB # 21	E - 34 St	NO	175Ft.00in.	9Ft.00in.	YES	NO	NO	NO
5/26/2014	NO	MB # 22	I - 65 St	NO	91Ft.00in.	12Ft.00in.	NO	NO	NO	NO
5/26/2014	NO	MB # 23	M - 98 St	YES	131Ft.00in.	33Ft.00in.	NO	NO	NO	NO
5/26/2014	NO	MB # 24	O - LG # 04	NO	176Ft.00in.	28Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 25	T - 186 St	YES	81Ft.00in.	11Ft.00in.	YES	NO	NO	NO
5/28/2014	NO	MB # 26	A - 4 St	NO	172Ft.00in.	13Ft.00in.	YES			
5/28/2014	NO	MB # 27	C - 17 St	NO	207Ft.00in.	9Ft.00in.	YES	NO	NO	NO
5/28/2014	NO	MB # 28	G - 47 St	NO	36Ft.00in.	38Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 29	M - 97 St	YES	115Ft.00in.	28Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 30	M - 99 St	YES	99Ft.00in.	58Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 31	N - 101 St	YES	99Ft.00in.	40Ft.00in.	NO	NO	NO	NO
5/30/2014	NO	MB # 32	A - 4 St	NO	126Ft.00in.	42Ft.00in.	NO	NO	NO	NO
5/30/2014	NO	MB # 33	N - 102 St	YES	120Ft.00in.	32Ft.00in.	NO	NO	NO	NO
5/31/2014	NO	MB # 34	R - 175 St	YES	89Ft.00in.	47Ft.00in.	NO	NO	NO	NO
5/31/2014	NO	MB # 35	F - 47 St	NO	41Ft.00in.	26Ft.00in.	NO	NO	NO	NO
5/31/2014	NO	MB # 36	N - 102 St	YES	146Ft.00in.	50Ft.00in.	NO	NO	NO	NO
6/1/2014	NO	MB # 37	N - 102 St	YES	71Ft.00in.	56Ft.00in.	NO	NO	NO	NO
6/1/2014	NO	MB # 38	H - 60 St	NO	73Ft.00in.	56Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 39	G - 51 St	NO	49Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 40	G - 51 St	NO	46Ft.00in.	35Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 41	K - 82 St	NO	51Ft.00in.	30Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 42	M - 96 St	YES	97Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	MB # 43	M - 94 St	YES	41Ft.00in.	25Ft.00in.	NO	NO	NO	NO
6/4/2014	NO	MB # 44	O - LG 3	NO	172Ft.00in.	28Ft.00in.	NO			
6/5/2014	NO	MB # 45	Q - 167 St	YES	67Ft.00in.	12Ft.00in.	YES	NO	NO	NO
6/5/2014	NO	MB # 46	O - LG 8	NO	109Ft.00in.	323Ft.00in.	NO	NO	NO	NO
6/5/2014	NO	MB # 47	D - 24 St	NO	46Ft.00in.	9Ft.00in.	YES			
6/7/2014	NO	MB # 48	E - 39 St	NO	68Ft.00in.	37Ft.00in.	YES			
6/9/2014	NO	MB # 49	R - 171St	YES	48Ft.00in.	32Ft.00in.	NO	NO	NO	NO
6/9/2014	NO	MB # 50	T - 190 St	YES	83Ft.00in.	44Ft.00in.	NO			
6/9/2014	NO	MB # 51	A - 2 St	NO	17Ft.00in.	177Ft.00in.	YES			
6/9/2014	NO	MB # 52	F - 46 St	NO	46Ft.00in.	29Ft.00in.	NO			
6/9/2014	NO	MB # 53	M - 94 St	YES	50Ft.00in.	47Ft.00in.	NO			
6/9/2014	NO	MB # 54	N - 102 St	YES	82Ft.00in.	46Ft.00in.	NO			
6/10/2014	NO	MB # 55	P - 158 St	NO	74Ft.00in.	34Ft.00in.	NO			
6/10/2014	NO	MB # 56	S - 193 St	YES	26Ft.00in.	66Ft.00in.	NO			
6/10/2014	NO	MB # 57	A - 1 St	NO	143Ft.00in.	10Ft.00in.	YES			
6/10/2014	NO	MB # 58	A - 3 St	NO	132Ft.00in.	31Ft.00in.	NO			
6/10/2014	NO	MB # 59	G - 47 St	NO	56Ft.00in.	31Ft.00in.	NO			
6/10/2014	NO	MB # 60	M - 93 st	YES	81Ft.00in.	28Ft.00in.	NO			
6/11/2014	NO	MB # 61	S - 181 St	YES	81Ft.00in.	38Ft.00in.	NO			
6/11/2014	NO	MB # 62	O - LG 8	NO	155Ft.00in.	39Ft.00in.	NO			
6/11/2014	NO	MB # 63	D - 20 St	NO	175Ft.00in.	12Ft.00in.	YES			
6/11/2014	NO	MB # 64	E - 36 St	NO	110Ft.00in.	8Ft.00in.	YES			
6/11/2014	NO	MB # 65	M - 97 St	YES	86Ft.00in.	25Ft.00in.	NO			
6/11/2014	NO	MB # 66	N - 102 St	YES	96Ft.00in.	32Ft.00in.	NO			
6/11/2014	NO	MB # 67	N - 102 St	YES	100Ft.00in.	33Ft.00in.	NO			
6/12/2014	YES	MB # 68	A - 3 St	NO	196Ft.00in.	14Ft.00in.	YES			
6/13/2014	NO	MB # 69	Q - 164 St	NO	34Ft.00in.	20Ft.00in.	YES			
6/13/2014	NO	MB # 70	R - 175 St	YES	94Ft.00in.	23Ft.00in.	NO			
6/13/2014	NO	MB # 71	N - 102 St	YES	87Ft.00in.	50Ft.00in.	NO	YES		
6/13/2014	NO	MB # 72	N - 102 St	YES	0Ft.00in.	131Ft.00in.	NO			
6/15/2014	YES	MB # 73	L - 91 St	YES	31Ft.00in.	42Ft.00in.	NO			
6/15/2014	YES	MB # 74	M - 92 St	YES	70Ft.00in.	25Ft.00in.	NO			
6/15/2014	NO	MB # 75	N - 102 St	YES	100Ft.00in.	50Ft.00in.	NO			
6/15/2014	NO	MB # 76	N - 101 St	YES	51Ft.00in.	67Ft.00in.	NO			
6/16/2014	NO	MB # 77	G - 52 St	NO	69Ft.00in.	10Ft.00in.	YES			
6/16/2014	NO	MB # 78	N - 102 St	YES	100Ft.00in.	50Ft.00in.	NO			
6/17/2014	NO	MB # 79	J - 74 St	NO	41Ft.00in.	62Ft.00in.	YES			
6/17/2014	NO	MB # 80	Q - 160 St	NO	33Ft.00in.	62Ft.00in.	YES			
6/18/2014	YES	MB # 81	M - 97 St	YES	89Ft.00in.	61Ft.00in.	NO			
6/18/2014	NO	MB # 82	P - LG 16	NO	104Ft.00in.	23Ft.00in.	YES			
6/18/2014	NO	MB # 83	O - LG 4	NO	138Ft.00in.	41Ft.00in.	NO			
6/19/2014	NO	MB # 84	S - 185 St	YES	72Ft.00in.	23Ft.00in.	YES			
6/19/2014	NO	MB # 85	A - Cut	NO	110Ft.00in.	60Ft.00in.	NO			
6/19/2014	NO	MB # 86	A - 5 St	NO	141Ft.00in.	20Ft.00in.	YES			
6/20/2014	NO	MB # 87	K - 87 St	NO	62Ft.00in.	35Ft.00in.	NO			
6/21/2014	NO	MB # 88	N -101 St	YES	120Ft.00in.	41Ft.00in.	NO			
6/22/2014	NO	MB # 89	C - 16 St	NO	181Ft.00in.	62Ft.00in.	YES			
6/22/2014	NO	MB # 90	M - 96 St	YES	102Ft.00in.	44Ft.00in.	NO			
6/22/2014	NO	MB # 91	M - 99 St	YES	98Ft.00in.	46Ft.00in.	NO			
6/22/2014	YES	MB # 92	O - LG 10	NO	170Ft.00in.	38Ft.00in.	NO			
6/23/2014	YES	MB # 93	N - LG 01	NO	125Ft.00in.	32Ft.00in.	NO	YES		
6/23/2014	NO	MB # 94	E - 36 St	NO	92Ft.00in.	10Ft.00in.	YES			
6/23/2014	NO	MB # 95	M - 96 St	YES	40Ft.00in.	71Ft.00in.	NO			
6/23/2014	NO	MB # 96	N - 102 St	YES	86Ft.00in.	64Ft.00in.	NO			

6/23/2014	NO	MB # 97	T - 193 St	YES	61Fl.00in.	73Fl.00in.	NO			
6/24/2014	NO	MB # 98	N -101 St	YES	102Fl.00in.	31Fl.00in.	NO			
6/24/2014	NO	MB # 99	N -102 St	YES	133Fl.00in.	42Fl.00in.	NO			
6/24/2014	NO	MB # 100	N 102 St	YES	84Fl.00in.	42Fl.00in.	NO			
6/25/2014	NO	MB # 101	P - 158 St	NO	42Fl.00in.	33Fl.00in.	NO			
6/25/2014	NO	MB # 102	N - 101 St	YES	92Fl.00in.	40Fl.00in.	NO			
6/25/2014	NO	MB # 103	G - 50 St	NO	46Fl.00in.	19Fl.00in.	YES			
6/26/2014	NO	MB # 104	R - 170 St	YES	60Fl.00in.	33Fl.00in.	NO			
6/26/2014	NO	MB # 105	E - 34 St	NO	92Fl.00in.	12Fl.00in.	YES			
6/26/2014	NO	MB # 106	M - 99 St	YES			NO			
6/26/2014	NO	MB # 107	N - 102 St	YES	2Fl.00in.	174Fl.00in.	NO			
6/28/2014	NO	MB # 108	Q - 160 St	NO	66Fl.00in.	22Fl.00in.	YES			
6/28/2014	NO	MB # 109	R - 177 St	YES	86Fl.00in.	27Fl.00in.	NO			
6/28/2014	NO	MB # 110	Q - 160 St	YES	67Fl.00in.	22Fl.00in.	YES			
6/30/2014	NO	MB # 111	S - 183 St	YES	122Fl.00in.	34Fl.00in.	NO			
7/1/2014	NO	MB # 112	P - LG # 13	NO	137Fl.00in.	32Fl.00in.	NO			
7/1/2014	NO	MB # 113	P - 157 St	NO	84Fl.00in.	21Fl.00in.	YES			
7/1/2014	NO	MB # 114	Q - 160 St	NO	4Fl.00in.	63Fl.00in.	YES			
7/1/2014	NO	MB # 115	Q - 167 St	YES	36Fl.00in.	40Fl.00in.	NO			
7/1/2014	NO	MB # 116	D - 22 St	NO	98Fl.00in.	47Fl.00in.	YES			
7/1/2014	NO	MB # 117	G - 48 St	NO	42Fl.00in.	36Fl.00in.	NO			
7/1/2014	NO	MB # 118	L - 90 St	YES	28Fl.00in.	27Fl.00in.	NO			
7/2/2014	NO	MB # 119	T - 192 St	YES	2Fl.00in.	86Fl.00in.	YES			
7/2/2014	NO	MB # 120	N - 102 St	YES	3Fl.00in.	182Fl.00in.	NO			
7/3/2014	NO	MB # 121	A - Cut	NO	125Fl.00in.	9Fl.00in.	YES			
7/3/2014	NO	MB # 122	M - 96 St	YES	27Fl.00in.	71Fl.00in.	NO			
7/4/2014	NO	MB # 123	R - 175 St	YES	71Fl.00in.	51Fl.00in.	NO			
7/4/2014	NO	MB # 124	E - 33 St	NO	83Fl.00in.	15Fl.00in.	YES			
7/5/2014	NO	MB # 125	A -1 St	NO	120Fl.00in.	9Fl.00in.	YES			
7/5/2014	NO	MB # 126	A - Cut	NO	96Fl.00in.	9Fl.00in.	YES			
7/5/2014	NO	MB # 127	I - 63 St	NO	52Fl.00in.	32Fl.00in.	NO			
7/5/2014	NO	MB # 128	H - 57 St	NO	126Fl.00in.	18Fl.00in.	NO			
7/6/2014	NO	MB # 129	O - LG 8/9	NO	156Fl.00in.	33Fl.00in.	NO			
7/6/2014	NO	MB # 130	A - 1 St	NO	119Fl.00in.	10Fl.00in.	YES			
7/6/2014	NO	MB # 131	N - 102 St	YES	0Fl.00in.	176Fl.00in.	NO			
7/6/2014	NO	MB # 132	N - 101 St	YES	70Fl.00in.	61Fl.00in.	NO			
7/6/2014	NO	MB # 133	N - 101 St	YES	103Fl.00in.	53Fl.00in.	NO			
7/6/2014	NO	MB # 134	M - 96 St	YES	23Fl.00in.	126Fl.00in.	NO			
7/6/2014	NO	MB # 135	M - 95 St	YES	83Fl.00in.	31Fl.00in.	NO			
7/6/2014	NO	MB # 136	G - 51 St	NO	42Fl.00in.	66Fl.00in.	NO			
7/7/2014	NO	MB # 137								
7/7/2014	NO	MB # 138	F - 44 St	YES	44Fl.00in.	11Fl.00in.	YES			
7/7/2014	NO	MB # 139	M - 97 St	YES	82Fl.00in.	55Fl.00in.	NO			
7/8/2014	NO	MB # 140	A - Cut	NO	105Fl.00in.	9Fl.00in.	YES			
7/8/2014	NO	MB # 141	C - 15 St	NO	132Fl.00in.	11Fl.00in.	YES			
7/8/2014	NO	MB # 142	C - 16 St	NO	175Fl.00in.	12Fl.00in.	YES			
7/10/2014	NO	MB # 143	O - LG 9 / 10	NO	165Fl.00in.	46Fl.00in.	NO			
7/11/2014	NO	MB # 144	D - 17 St	NO	246Fl.00in.	9Fl.00in.	YES	NO	NO	NO
7/11/2014	NO	MB # 145	G - 47 St	NO	42Fl.00in.	7Fl.00in.	YES	NO	NO	NO
7/12/2014	NO	MB # 146	P - LG # 17	NO	122Fl.00in.	36Fl.00in.	NO			
7/12/2014	NO	MB # 147	I - 63 St	YES	49Fl.00in.	45Fl.00in.	NO			
7/14/2014	NO	MB # 148	P - LG # 15	NO	90Fl.00in.	69Fl.00in.	NO			
7/14/2014	NO	MB # 149	Q - 167 St	NO	134Fl.00in.	13Fl.00in.	NO			
7/14/2014	NO	MB # 150	N - LG # 03	NO	192Fl.00in.	27Fl.00in.	NO			
7/15/2014	NO	MB # 151	E - 34 St	NO	176Fl.00in.	34Fl.00in.	YES	NO	NO	NO
7/16/2014	NO	MB # 152	L - 89 St	YES	47Fl.00in.	32Fl.00in.	NO		NO	NO
6/24/2014	NO	Misded # 01	L - 90 St	YES	76Fl.00in.	26Fl.06in.	NO	NO	NO	NO
7/16/2014	NO	Misded # 02	O - LG # 04	NO	172Fl.00in.	34Fl.00in.	NO	NO	YES	NO
7/17/2014	NO	MB # 153	O - LG # 04	NO	180Fl.00in.	33Fl.00in.	NO			
7/18/2014	NO	MB # 154	T - 193 St	NO	58Fl.00in.	33Fl.00in.	NO			
7/18/2014	NO	MB # 155	A - 1 St	NO	207Fl.00in.	12Fl.00in.	YES			
7/18/2014	NO	MB # 156	I - 63 St	NO	50Fl.00in.	52Fl.00in.	NO			
7/18/2014	NO	MB # 157	N - 102 St	YES	70Fl.00in.	87Fl.00in.	NO			
7/18/2014	NO	MB # 158	N - 102 St	YES	171Fl.00in.	35Fl.00in.	NO			
7/18/2014	NO	MB # 159	N - 102 St	YES	89Fl.00in.	43Fl.00in.	NO			
7/19/2014	NO	MB # 160	M - 98 St	YES	170Fl.00in.	52Fl.00in.	NO			
7/19/2014	NO	MB # 161	T - 189 St	YES	83Fl.00in.	14Fl.00in.	YES			
7/19/2014	NO	MB # 162	J - 73 St	NO	59Fl.00in.	22Fl.00in.	YES			
7/20/2014	NO	MB # 163	F - 41 St	YES	72Fl.00in.	13Fl.00in.	YES			
7/21/2014	YES	MB # 164	J - 68 St	YES	57Fl.00in.	18Fl.00in.	YES			
7/22/2014	NO	MB # 165	A - 1 St	NO	214Fl.00in.	8Fl.00in.	YES			
7/23/2014	NO	MB # 166	F - 46 St	YES	40Fl.00in.	14Fl.00in.	YES			
7/24/2014	NO	MB # 167	R - 172 St	YES	38Fl.00in.	101Fl.00in.	NO			
7/25/2014	NO	MB # 168	S - 181 St	YES	104Fl.00in.	32Fl.00in.	NO			
7/25/2014	NO	MB # 169	T - 193 St	YES	56Fl.00in.	26Fl.00in.	NO			
7/26/2014	NO	MB # 170	M - 94 St	YES	77Fl.00in.	22Fl.00in.	NO			
7/27/2014	NO	MB # 171	Q - 160 St	NO	43Fl.00in.	38Fl.00in.	YES			
7/28/2014	NO	MB # 172	P - 158 St	NO	28Fl.00in.	85Fl.00in.	YES			
7/28/2014	NO	MB # 173	O - LG # 09	NO	171Fl.00in.	58Fl.00in.	NO			
7/29/2014	NO	MB # 174	B - 6 St	NO	105Fl.00in.	10Fl.00in.	YES			
7/31/2014	NO	MB # 175	A - 1 St	NO	215Fl.00in.	15Fl.00in.	YES			
5/17/2014	NO	GB # 01	Lot # 16	NO	6Fl.00in.	63Fl.00in.	NO	NO	NO	NO

5/17/2014	NO	GB # 02	Lot # 38	NO	32Ft.00in.	51Ft.00in.	NO	NO	NO	NO
5/20/2014	NO	GB # 03	Lot # 71	NO	4Ft.00in.	32Ft.00in.	NO	NO	NO	NO
5/20/2014	NO	GB # 04	Lot # 25	NO	50Ft.00in.	23Ft.00in.	NO	NO	NO	NO
5/24/2014	NO	GB # 05	Lot # 76	NO	15Ft.00in.	55Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	GB # 06	Lot # 46	NO	48Ft.00in.	28Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	GB # 07	Lot # 74	NO	15Ft.00in.	27Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	GB # 08	Lot # 67	NO	10Ft.00in.	31Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	GB # 09	Lot # 53	NO	23Ft.00in.	41Ft.00in.	NO	NO	NO	NO
6/6/2014	NO	GB # 10	Lot # 46	NO	6Ft.00in.	63Ft.00in.	NO	NO	NO	NO
6/15/2014	NO	GB # 11	Lot # 18	NO	71Ft.00in.	26Ft.00in.	NO	NO		
6/15/2014	NO	GB # 12	Lot # 35	NO	64Ft.00in.	51Ft.00in.	NO	NO		
6/16/2014	NO	GB # 13	Lot # 34	NO	0Ft.00in.	128Ft.00in.	NO	NO		
6/16/2014	NO	GB # 14	Lot # 41	NO	38Ft.00in.	41Ft.00in.	NO	NO		
6/19/2014	NO	GB # 15	Lot # 61	NO	52Ft.00in.	47Ft.00in.	NO	NO		
6/25/2014	NO	GB # 16	Lot # 61	NO	1Ft.00in.	89Ft.00in.	NO	NO		
6/26/2014	NO	GB # 17	Lot # 57	NO	2Ft.00in.	138Ft.00in.	NO	NO		
6/26/2014	NO	GB # 18	Lot # 45	NO	44Ft.00in.	64Ft.00in.	NO	NO		
6/29/2014	NO	GB # 19	Lot # 75	NO	3Ft.00in.	72Ft.00in.	NO	NO		
6/30/2014	NO	GB # 20	Lot # 43	NO	43Ft.00in.	31Ft.00in.	NO	NO		
7/1/2014	NO	GB # 21	Lot # 13	NO	40Ft.00in.	34Ft.00in.	NO	NO		
7/4/2014	NO	GB # 22	Lot # 67	NO	3Ft.00in.	83Ft.00in.	NO	NO		NO
7/5/2014	NO	GB # 23	Lot # 71	NO	1Ft.00in.	57Ft.00in.	NO	NO	NO	NO
7/6/2014	NO	GB # 24	Lot # 67	NO	11Ft.00in.	56Ft.00in.	NO	NO	NO	NO
7/6/2014	NO	GB # 25	Lot # 73	NO	22Ft.00in.	32Ft.00in.	NO	NO		
7/12/2014	NO	GB # 26	Lot # 56	NO	17Ft.00in.	51Ft.00in.	NO	NO		
7/13/2014	NO	GB # 27	Lot # 03	NO	84Ft.00in.	59Ft.00in.	NO	NO		
7/15/2014	NO	GB # 28	Lot # 20	NO	32Ft.00in.	108Ft.00in.	NO	NO	NO	
7/15/2014	NO	GB # 29	Lot # 49	NO	28Ft.00in.	64Ft.00in.	NO	NO		
7/18/2014	NO	GB # 30	Lot # 34	NO	76Ft.00in.	41Ft.00in.	NO	NO		
7/22/2014	NO	GB # 31	Lot # 02	NO	36Ft.00in.	81Ft.00in.	NO	NO		
7/26/2014	NO	GB # 32	Lot # 69	NO	36Ft.00in.	23Ft.00in.	NO	NO		
7/26/2014	NO	GB # 33							NO	
7/28/2014	NO	GB # 34	Lot # 66	NO	98Ft.00in.	36Ft.00in.	NO	NO	NO	

Cc Nest Worksheet

If "YES" then Inventory, HS and ES values will automatically be generated as "0" or "0%". If available, inventory data for partial washouts can be entered but HS and ES will be 0% for Nourishment Productivity.

Date Nest Recorded (mm/dd/yyyy)	Escarpment ≥ 18" Encountered (YES/NO)	ID/Label	Beach Zone (Optional)	Nest within Project Area (YES/NO)	Distance From Dune (Feet) (5 Ft 3 In should be entered as 5.03)	Distance From MHW (Feet) (5 Ft 3 In should be entered as 5.03)	Nest Relocated (YES/NO)	Nest Washed Over (YES/NO)	Nest Completely or Partially Washed Out (YES/NO)	Nest Completely Depredated (YES/NO)
4/30/2013	NO	MB # 01	O - LG # 4	NO	130Ft.00in.	64Ft.00in.	NO	NO	NO	NO
5/1/2013	NO	MB # 02	O - LG # 8	NO	210Ft.00in.	31Ft.00in.	YES	NO	NO	NO
5/4/2013	NO	MB # 03	R - 175 St	NO	55Ft.00in.	22Ft.00in.	YES	NO	NO	NO
5/4/2013	NO	MB # 04	S - 186 St	NO	95Ft.06in.	16Ft.06in.	YES	NO	NO	NO
5/5/2013	NO	MB # 05	N - 101 St	YES	3Ft.00in.	15Ft.10in.	YES	NO	NO	NO
5/6/2013	NO	MB # 06	F - 43 St	YES	90Ft.00in.	25Ft.00in.	YES	NO	NO	NO
5/8/2013	NO	MB # 07	G - 53 St	YES	15Ft.00in.	25Ft.00in.	YES	NO	NO	NO
5/8/2013	NO	MB # 08	G - 52 St	YES	70Ft.00in.	29Ft.00in.	YES	NO	NO	NO
5/10/2013	NO	MB # 09	P - 156 St	NO	80Ft.00in.	40Ft.00in.	NO	YES	NO	NO
5/10/2013	NO	MB # 10	Q - 159 St	NO	96Ft.00in.	22Ft.00in.	YES	NO	NO	NO
5/10/2013	NO	MB # 11	A - 4 St	NO	191Ft.02in.	34Ft.05in.	YES	NO	NO	NO
5/11/2013	NO	MB # 12	S - 181 St	NO	85Ft.00in.	24Ft.00in.	YES	NO	NO	NO
5/13/2013	NO	MB # 13	S - 183 St	NO	113Ft.00in.	63Ft.00in.	NO	YES	NO	NO
5/13/2013	NO	MB # 14	E - 29 St	NO	167Ft.00in.	24Ft.00in.	YES	NO	NO	NO
5/14/2013	NO	MB # 15	N - 102 St	YES	2Ft.00in.	58Ft.00in.	YES	NO	NO	NO
5/14/2013	NO	MB # 16	F - 46 St	YES	55Ft.00in.	27Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 17	D - 25 St	YES	30Ft.00in.	60Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 18	E - 35 St	NO	175Ft.00in.	35Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 19	O - LG # 9	NO	233Ft.00in.	32Ft.00in.	YES	NO	NO	NO
5/15/2013	NO	MB # 20	O - LG # 4	NO	128Ft.00in.	92Ft.00in.	NO	NO	NO	NO
5/17/2013	NO	MB # 21	H - 58 St	NO	156Ft.00in.	15Ft.00in.	YES	NO	NO	NO
5/17/2013	NO	MB # 22	M - 95 St	NO	74Ft.00in.	56Ft.00in.	NO	NO	NO	NO
5/17/2013	NO	MB # 23	S - 181 St	YES	125Ft.00in.	53Ft.00in.	NO	YES	NO	NO
5/18/2013	NO	MB # 24	P - LG # 15	NO	117Ft.00in.	28Ft.00in.	YES	NO	NO	NO
5/19/2013	NO	MB # 25	I - 63 St	NO	86Ft.00in.	29Ft.00in.	YES	NO	NO	NO
5/20/2013	NO	MB # 26	P - 158 St	NO	90Ft.00in.	26Ft.00in.	YES	NO	NO	NO
5/21/2013	NO	MB # 27	A - 1 St	NO	200Ft.00in.	31Ft.00in.	YES	NO	NO	NO
5/21/2013	NO	MB # 28	H - 55 St	NO	75Ft.00in.	16Ft.00in.	YES	NO	NO	NO
5/21/2013	NO	MB # 29	M - 96 St	YES	60Ft.00in.	25Ft.00in.	YES	NO	NO	NO
5/22/2013	NO	MB # 30	R - 173 St	NO	68Ft.00in.	48Ft.00in.	YES	NO	NO	NO
5/23/2013	NO	MB # 31	F - 46 St	YES	65Ft.00in.	16Ft.00in.	YES	NO	NO	NO
5/24/2013	NO	MB # 32	P - 157 St	NO	96Ft.00in.	43Ft.00in.	NO	YES	NO	NO
5/25/2013	NO	MB # 33	A - 4 St	NO	210Ft.00in.	10Ft.00in.	YES	NO	NO	NO
5/25/2013	NO	MB # 34	P - LG # 11	NO	215Ft.00in.	43Ft.00in.	NO	YES	NO	NO
5/26/2013	NO	MB # 35	H - 58 St	NO	101Ft.00in.	258Ft.00in.	NO	NO	NO	NO
5/26/2013	NO	MB # 36	S - 183 St	NO	83Ft.00in.	52Ft.00in.	NO	NO	NO	NO
5/26/2013	NO	MB # 37	O - LG # 7	NO	161Ft.00in.	56Ft.00in.	NO	NO	NO	NO
5/28/2013	NO	MB # 38	R - 177 St	NO	11Ft.00in.	88Ft.00in.	NO	NO	NO	NO
5/28/2013	NO	MB # 39	P - LG # 12	NO	220Ft.00in.	18Ft.00in.	YES	NO	NO	NO
5/28/2013	NO	MB # 40	T - 192 St	YES	18Ft.00in.	52Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 41	M - 97 St	YES	4Ft.00in.	96Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 42	D - 24 St	YES	67Ft.00in.	30Ft.00in.	YES	NO	NO	NO
5/29/2013	NO	MB # 43	Q - 167 St	NO	104Ft.80in.	63Ft.30in.	NO	NO	NO	NO
5/29/2013	NO	MB # 44	O - LG # 11	NO	110Ft.00in.	43Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 45	O - LG # 3	NO	160Ft.00in.	61Ft.00in.	NO	NO	NO	NO
5/29/2013	NO	MB # 46	N - LG # 2	NO	125Ft.00in.	55Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 47	R - 175 St	YES	88Ft.00in.	56Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 48	O - LG # 4	NO	120Ft.00in.	80Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 49	M - 95 St	NO	45Ft.00in.	72Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 50	K - 83 St	NO	30Ft.00in.	76Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 51	J - 77 St	NO	70Ft.00in.	67Ft.00in.	NO	NO	NO	NO
5/30/2013	NO	MB # 52	I - 66 St	NO	85Ft.00in.	35Ft.00in.	YES	NO	NO	NO
6/1/2013	YES	MB # 53	Q - 160 St	NO	52Ft.00in.	38Ft.00in.	NO	NO	NO	NO
6/1/2013	NO	MB # 54	Q - 160 St	NO	48Ft.00in.	46Ft.00in.	NO	YES	NO	NO
6/1/2013	NO	MB # 55	G - 54 St	YES	5Ft.00in.	20Ft.00in.	YES	NO	NO	NO
6/3/2013	NO	MB # 56	P - LG # 15	NO	96Ft.00in.	13Ft.00in.	YES	NO	NO	NO
6/3/2013	YES	MB # 57	N - LG # 1	NO	180Ft.00in.	38Ft.00in.	NO	YES	YES	NO
6/5/2013	NO	MB # 58	Q - 164 St	NO	78Ft.00in.	18Ft.00in.	YES	NO	NO	NO
6/5/2013	NO	MB # 59	S - 180 St	YES	80Ft.00in.	26Ft.00in.	YES	NO	NO	NO
6/5/2013	NO	MB # 60	A - 1 St	NO	215Ft.00in.	45Ft.00in.	NO	YES	NO	NO
6/6/2013	NO	MB # 61	H - 56 St	YES	95Ft.00in.	10Ft.00in.	NO	NO	NO	NO
6/7/2013	NO	MB # 62	K - 79 St	NO	95Ft.00in.	20Ft.00in.	NO	YES	YES	NO
6/9/2013	NO	MB # 63	R - 173 St	NO	88Ft.00in.	18Ft.00in.	YES	NO	NO	NO
6/9/2013	NO	MB # 64	Q - 186 St	NO	78Ft.00in.	16Ft.00in.	YES	NO	NO	NO
6/10/2013	NO	MB # 65	O - LG # 6	NO	138Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/10/2013	NO	MB # 66	N - LG # 5	NO	188Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/10/2013	NO	MB # 67	A - 4 St	NO	245Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/11/2013	NO	MB # 68	Q - 164 St	NO	58Ft.00in.	64Ft.00in.	NO	NO	NO	NO
6/11/2013	NO	MB # 69	A - 1 St	NO	210Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/11/2013	NO	MB # 70	A - 4 St	NO	230Ft.00in.	15Ft.00in.	YES	NO	NO	NO
6/11/2013	NO	MB # 71	O - LG # 11	NO	171Ft.00in.	32Ft.00in.	NO	NO	NO	NO
6/12/2013	NO	MB # 72	T - 192 St	YES	30Ft.00in.	70Ft.00in.	NO	NO	NO	NO
6/12/2013	NO	MB # 73	E - 29 St	NO	176Ft.00in.	25Ft.00in.	YES	NO	NO	NO
6/12/2013	NO	MB # 74	O - LG # 6	NO	205Ft.00in.	25Ft.00in.	NO	NO	NO	NO
6/12/2013	NO	MB # 75	O - LG # 6	NO	248Ft.00in.	22Ft.00in.	NO	NO	NO	NO

6/12/2013	NO	MB # 76	O - LG # 5	NO	177Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/13/2013	NO	MB # 77	A - Govt Cut	NO	222Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/13/2013	NO	MB # 78	G - 47 St	YES	52Ft.00in.	23Ft.00in.	YES	NO	NO	NO
6/14/2013	NO	MB # 79	D - 24 St	NO	69Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/14/2013	NO	MB # 80	J - 68 St	YES	46Ft.00in.	67Ft.00in.	NO	NO	NO	NO
6/14/2013	NO	MB # 81	I - 64 St	NO	76Ft.00in.	57Ft.00in.	NO	NO	NO	NO
6/14/2013	NO	MB # 82	I - 63 St	NO	82Ft.00in.	64Ft.00in.	NO	NO	NO	NO
6/14/2013	NO	MB # 83	H - 60 St	NO	46Ft.00in.	82Ft.00in.	NO	NO	NO	NO
6/15/2013	NO	MB # 84	O - LG # 6	NO	123Ft.00in.	64Ft.00in.	NO	NO	NO	NO
6/16/2013	NO	MB # 85	Q - 160 St	NO	64Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/16/2013	NO	MB # 86	G - 47 St	YES	57Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/16/2013	NO	MB # 87	N - 101 St	YES	24Ft.00in.	29Ft.00in.	YES	NO	NO	NO
6/17/2013	NO	MB # 88	O - LG # 10	NO	202Ft.00in.	48Ft.00in.	NO	NO	NO	NO
6/17/2013	NO	MB # 89	Q - 160 St	NO	61Ft.00in.	52Ft.00in.	NO	NO	NO	NO
6/17/2013	NO	MB # 90	G - 53 St	YES	49Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 91	A - 2 St	NO	201Ft.00in.	20Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 92	C - 16 St	NO	213Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 93	D - 22 St	NO	101Ft.00in.	20Ft.00in.	YES	NO	NO	NO
6/18/2013	NO	MB # 94	L - 88 St	NO	32Ft.00in.	97Ft.00in.	NO	NO	NO	NO
6/19/2013	NO	MB # 95	F - 44 St	YES	67Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/19/2013	NO	MB # 96	M - 94 St	NO	67Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/19/2013	NO	MB # 97	M - 94 St	NO	67Ft.00in.	53Ft.00in.	NO	NO	NO	NO
6/19/2013	NO	MB # 98	I - 60 St	NO	76Ft.00in.	34Ft.00in.	NO	NO	NO	NO
6/20/2013	NO	MB # 99	Q - 160 St	NO	92Ft.00in.	16Ft.00in.	YES	NO	NO	NO
6/21/2013	NO	MB # 100	A - 5 St	NO	177Ft.00in.	14Ft.00in.	YES	NO	NO	NO
6/22/2013	NO	MB # 101	R - 173 St	NO	86Ft.00in.	22Ft.00in.	YES	NO	NO	NO
6/23/2013	NO	MB # 102	O - LG # 5	NO	130Ft.00in.	121Ft.00in.	NO	NO	NO	NO
6/24/2013	NO	MB # 103	O - LG # 8	NO	166Ft.00in.	48Ft.00in.	NO	NO	NO	NO
6/24/2013	NO	MB # 104	P - LG # 13	NO	202Ft.00in.	18Ft.00in.	YES	NO	NO	NO
6/24/2013	NO	MB # 105	O - LG # 6	NO	125Ft.00in.	72Ft.00in.	NO	NO	NO	NO
6/25/2013	NO	MB # 106	A - 1 St	NO	201Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 107	E - 30 St	YES	200Ft.00in.	15Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 108	F - 44 St	YES	65Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 109	H - 58 St	NO	176Ft.00in.	15Ft.00in.	YES	NO	NO	NO
6/25/2013	NO	MB # 110	K - 81 St	NO	26Ft.00in.	72Ft.00in.	NO	NO	NO	NO
6/28/2013	NO	MB # 111	B - 11 St	YES	242Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/26/2013	NO	MB # 112	O - LG # 3	NO	96Ft.00in.	110Ft.00in.	NO	NO	NO	NO
6/28/2013	NO	MB # 113	A - 1 St	NO	222Ft.00in.	12Ft.00in.	YES	NO	NO	NO
6/28/2013	NO	MB # 114	Q - 160 St	NO	73Ft.00in.	21Ft.00in.	YES	NO	NO	NO
6/28/2013	NO	MB # 115	M - 93 St	NO	0Ft.00in.	86Ft.00in.	NO	NO	NO	NO
6/28/2013	NO	MB # 116	M - 95 St	NO	5Ft.00in.	66Ft.00in.	NO	NO	NO	NO
6/29/2013	NO	MB # 117	O - LG # 9	NO	198Ft.00in.	42Ft.00in.	NO	NO	NO	NO
6/29/2013	NO	MB # 118	H - 56 St	NO	87Ft.00in.	81Ft.00in.	NO	NO	NO	NO
6/30/2013	NO	MB # 119	D - 24 St	YES	41Ft.00in.	25Ft.00in.	YES	NO	NO	NO
6/30/2013	NO	MB # 120	H - 58 St	NO	177Ft.00in.	47Ft.00in.	NO	YES	YES	NO
6/30/2013	NO	MB # 121	Q - 159 St	NO	86Ft.00in.	16Ft.00in.	YES	NO	NO	NO
6/30/2013	NO	MB # 122	P - LG # 12	NO	168Ft.00in.	71Ft.00in.	NO	NO	NO	NO
7/2/2013	NO	MB # 123	O - LG # 5	NO	140Ft.00in.	72Ft.00in.	NO	NO	NO	NO
7/2/2013	NO	MB # 124	S - 185 St	YES	124Ft.00in.	63Ft.00in.	NO	NO	NO	NO
7/2/2013	NO	MB # 125	E - 36 St	YES	152Ft.00in.	11Ft.00in.	YES	NO	NO	NO
7/2/2013	NO	MB # 126	L - 89 St	NO	52Ft.00in.	26Ft.00in.	NO	NO	NO	NO
7/5/2013	NO	MB # 127	Q - 159 St	NO	66Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/5/2013	NO	MB # 128	T - 189 St	YES	71Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/7/2013	NO	MB # 129	C - 16 St	NO	226Ft.00in.	35Ft.00in.	YES	NO	NO	NO
7/7/2013	NO	MB # 130	E - 38 St	NO	128Ft.00in.	37Ft.00in.	YES	NO	NO	NO
7/7/2013	YES	MB # 131	N - LG # 2	NO	226Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/7/2013	YES	MB # 132	N - LG # 2	NO	147Ft.00in.	13Ft.00in.	YES	NO	NO	NO
7/7/2013	NO	MB # 133	O - LG # 9	NO	148Ft.00in.	31Ft.00in.	NO	NO	NO	NO
7/8/2013	NO	MB # 134	T - 193 St	YES	71Ft.00in.	22Ft.00in.	YES	NO	NO	NO
7/8/2013	NO	MB # 135	A - 1 St	NO	186Ft.00in.	32Ft.00in.	YES	NO	NO	NO
7/8/2013	NO	MB # 136	D - 17 St	YES	232Ft.00in.	20Ft.00in.	YES	NO	NO	NO
7/8/2013	NO	MB # 137	N - 102 St	YES	2Ft.00in.	28Ft.00in.	YES	NO	NO	NO
7/9/2013	NO	MB # 138	D - 24 St	YES	42Ft.00in.	26Ft.00in.	YES	NO	NO	NO
7/9/2013	YES	MB # 139	N - LG # 1	NO	90Ft.00in.	56Ft.00in.	NO	NO	NO	NO
7/9/2013	NO	MB # 140	R - 172 St	YES	86Ft.00in.	23Ft.00in.	YES	NO	NO	NO
7/9/2013	NO	MB # 141	M - 98 St	NO	39Ft.00in.	32Ft.00in.	NO	NO	NO	NO
7/11/2013	NO	MB # 142	L - 91 St	NO	42Ft.00in.	63Ft.00in.	NO	NO	NO	NO
7/11/2013	NO	MB # 143	Q - 160 St	NO	63Ft.00in.	26Ft.00in.	YES	NO	NO	NO
7/12/2013	NO	MB # 144	C - 14 St	NO	211Ft.00in.	27Ft.00in.	YES	NO	NO	NO
7/12/2013	NO	MB # 145	O - LG # 9	NO	160Ft.00in.	48Ft.00in.	NO	YES	NO	NO
7/13/2013	NO	MB # 146	P - LG # 13	NO	180Ft.00in.	60Ft.00in.	YES	NO	NO	NO
7/13/2013	NO	MB # 147	O - LG # 10	NO	170Ft.00in.	62Ft.00in.	NO	NO	NO	NO
7/14/2013	NO	MB # 148	T - 190 St	YES	72Ft.00in.	23Ft.00in.	YES	NO	NO	NO
7/14/2013	YES	MB # 149	O - LG # 3	YES	95Ft.00in.	70Ft.00in.	NO	NO	NO	NO
7/14/2013	NO	MB # 150	N - 101 St	YES	47Ft.00in.	11Ft.00in.	YES	NO	NO	NO
7/15/2013	NO	MB # 151	R - 170 St	YES	38Ft.00in.	23Ft.00in.	YES	NO	NO	NO
7/15/2013	NO	MB # 152	S - 184 St	YES	68Ft.00in.	76Ft.00in.	NO	NO	NO	NO
7/15/2013	NO	MB # 153	F - 46 St	YES	39Ft.00in.	18Ft.00in.	YES	NO	NO	NO
7/15/2013	NO	MB # 154	O - LG # 6	NO	213Ft.00in.	34Ft.00in.	NO	YES	NO	NO
7/16/2013	NO	MB # 155	L - 87 St	NO	26Ft.00in.	62Ft.00in.	NO	NO	NO	NO
7/16/2013	NO	MB # 156	T - 193 St	YES	61Ft.00in.	26Ft.00in.	YES	NO	NO	NO
7/18/2013	NO	MB # 157	O - LG # 10	NO	158Ft.00in.	25Ft.00in.	NO	YES	NO	NO
7/18/2013	NO	MB # 158	O - LG # 10	NO	154Ft.00in.	28Ft.00in.	NO	YES	NO	NO
7/19/2013	NO	MB # 159	Q - 165 St	NO	65Ft.00in.	21Ft.00in.	YES	NO	NO	NO
7/20/2013	NO	MB # 160	E - 39 St	NO	10Ft.00in.	101Ft.00in.	YES	NO	NO	NO
7/20/2013	NO	MB # 161	S - 178 St	YES	1Ft.29in.	22Ft.00in.	YES	NO	NO	NO
7/21/2013	NO	MB # 162	A - 1 St	NO	211Ft.00in.	16Ft.00in.	YES	NO	NO	NO

7/21/2013	NO	MB # 163	E - 29 St	NO	187Fl.00in.	11Fl.00in.	YES	NO	NO	NO
7/21/2013	NO	MB # 164	G - 47 St	YES	44Fl.00in.	10Fl.00in.	YES	NO	NO	NO
7/21/2013	YES	MB # 165	N - LG # 2	NO	191Fl.00in.	26Fl.00in.	NO	NO	NO	NO
7/21/2013	NO	MB # 166	P - LG # 12	NO	238Fl.00in.	22Fl.00in.	YES	NO	NO	NO
7/22/2013	NO	MB # 167	J - 69 St	YES	98Fl.00in.	21Fl.00in.	YES	NO	NO	NO
7/23/2013	NO	MB # 168	L - 90 St	NO	62Fl.00in.	31Fl.00in.	NO	YES	YES	NO
7/23/2013	NO	MB # 169	M - 94 St	NO	26Fl.00in.	62Fl.00in.	NO	YES	YES	NO
7/25/2013	NO	MB # 170	C - 15 St	NO	216Fl.00in.	36Fl.00in.	YES	NO	NO	NO
7/28/2013	NO	MB # 171	P - LG # 11	NO	174Fl.00in.	62Fl.00in.	NO	NO	NO	NO
7/29/2013	NO	MB # 172	I - 65 St	YES	97Fl.00in.	42Fl.00in.	NO	YES	NO	NO
7/29/2013	NO	MB # 173	S - 183 St	NO	65Fl.00in.	20Fl.00in.	NO	NO	NO	NO
7/29/2013	NO	MB # 174	L - 88 St	NO	49Fl.00in.	52Fl.00in.	NO	NO	NO	NO
7/30/2013	NO	MB # 175	O - 167 St	NO	104Fl.00in.	23Fl.00in.	YES	NO	NO	NO
7/30/2013	NO	MB # 176	B - 13 St	YES	230Fl.00in.	15Fl.00in.	YES	NO	NO	NO
7/31/2013	NO	MB # 177	N - 102 St	YES	2Fl.00in.	81Fl.00in.	NO	NO	NO	NO
8/1/2013	NO	MB # 178	N - 102 St	YES	10Fl.00in.	22Fl.00in.	YES	NO	NO	NO
8/2/2013	NO	MB # 179	E - 40 St	YES	141Fl.00in.	11Fl.00in.	NO	NO	NO	NO
8/2/2013	NO	MB # 180	F - 46 St	YES	82Fl.00in.	15Fl.00in.	YES	NO	NO	NO
8/3/2013	NO	MB # 181	N - 99 St	YES	30Fl.00in.	10Fl.00in.	YES	NO	NO	NO
8/4/2013	YES	MB # 182	N - LG # 2	NO	201Fl.00in.	48Fl.00in.	NO	NO	NO	NO
8/6/2013	NO	MB # 183	F - 45 St	YES	72Fl.00in.	10Fl.00in.	NO	NO	NO	NO
8/7/2013	NO	MB # 184	N - 101 St	YES	46Fl.00in.	14Fl.00in.	YES	NO	NO	NO
8/7/2013	NO	MB # 185	S - 174 St	NO	83Fl.00in.	31Fl.00in.	NO	YES	YES	NO
8/8/2013	NO	MB # 186	D - 22 St	NO	192Fl.00in.	9Fl.00in.	YES	NO	NO	NO
8/10/2013	YES	MB # 187	S - 178 St	YES	69Fl.00in.	46Fl.00in.	NO	NO	NO	NO
8/10/2013	NO	MB # 188	H - 60 St	NO	183Fl.00in.	26Fl.00in.	NO	YES	NO	NO
8/10/2013	NO	MB # 189	S - 179 St	NO	91Fl.00in.	19Fl.00in.	YES	NO	NO	NO
8/19/2013	NO	MB # 190	G - 52 St	YES	71Fl.00in.	42Fl.00in.	YES	NO	NO	NO
8/25/2013	NO	MB # 191	O - LG # 5	NO	152Fl.00in.	38Fl.00in.	YES	NO	NO	NO
7/24/2013	NO	Missed # 01MB	A - 5 St	NO	203Fl.00in.	41Fl.00in.	NO	NO	NO	NO
8/3/2013	YES	Missed # 02MB	O - LG # 2	NO	175Fl.00in.	15Fl.00in.	NO	YES	YES	NO
8/25/2013	NO	Missed # 05MB	E - 27 St	YES	46Fl.00in.	38Fl.00in.	NO	NO	YES	NO
4/26/2013	YES	GBCH # 01	Lot 68	NO	20Fl.00in.	35Fl.00in.	NO	YES	NO	NO
5/6/2013	YES	GBCH # 02	Lot 64	NO	48Fl.00in.	35Fl.00in.	NO	YES	NO	NO
5/7/2013	NO	GBCH # 03	Lot 76	NO	10Fl.00in.	40Fl.00in.	NO	NO	NO	NO
5/16/2013	YES	GBCH # 04	Lot 71	NO	58Fl.00in.	42Fl.00in.	NO	YES	YES	NO
5/21/2013	NO	GBCH # 05	Lot 02	NO	64Fl.00in.	12Fl.00in.	YES	NO	NO	NO
5/21/2013	NO	GBCH # 06	Lot 34	NO	70Fl.00in.	62Fl.00in.	NO	NO	NO	NO
5/26/2013	NO	GBCH # 07	Lot 01	NO	1Fl.00in.	61Fl.00in.	NO	NO	NO	NO
6/4/2013	NO	GBCH # 08	Lot 10	NO	65Fl.00in.	38Fl.00in.	NO	YES	NO	NO
6/5/2013	NO	GBCH # 09	Lot 66	NO	80Fl.00in.	11Fl.00in.	NO	NO	NO	NO
6/6/2013	NO	GBCH # 10	Lot 62	NO	56Fl.00in.	28Fl.00in.	NO	NO	NO	NO
6/6/2013	YES	GBCH # 11	Lot 67	NO	18Fl.00in.	51Fl.00in.	NO	NO	NO	NO
6/16/2013	YES	GBCH # 12	Lot 71	NO	42Fl.00in.	15Fl.00in.	NO	YES	YES	NO
6/19/2013	NO	GBCH # 13	Lot 59	NO	108Fl.00in.	36Fl.00in.	NO	YES	NO	NO
6/25/2013	NO	GBCH # 14	Lot 57	NO	53Fl.00in.	33Fl.00in.	NO	NO	NO	NO
7/3/2013	YES	GBCH # 15	Lot 71	NO	4Fl.00in.	74Fl.00in.	NO	NO	NO	NO
7/8/2013	NO	GBCH # 16	Lot 18	NO	0Fl.00in.	98Fl.00in.	NO	NO	NO	NO
7/11/2013	NO	GBCH # 17	Lot 18	NO	62Fl.00in.	48Fl.00in.	NO	NO	NO	NO
7/12/2013	NO	GBCH # 18	Lot 67	NO	54Fl.00in.	38Fl.00in.	NO	NO	NO	NO
7/13/2013	NO	GBCH # 19	Lot 04	NO	58Fl.00in.	33Fl.00in.	NO	YES	NO	NO
7/16/2013	NO	GBCH # 20	Lot 41	NO	51Fl.00in.	54Fl.00in.	NO	NO	NO	NO
7/17/2013	NO	GBCH # 21	Lot 18	NO	92Fl.00in.	32Fl.00in.	NO	YES	NO	NO
7/26/2013	YES	GBCH # 22	Lot 71	NO	10Fl.00in.	70Fl.00in.	NO	NO	NO	NO
7/26/2013	YES	GBCH # 23	Lot 66	NO	30Fl.00in.	65Fl.00in.	NO	YES	NO	NO
7/26/2013	YES	GBCH # 24	Lot 64	NO	31Fl.00in.	42Fl.00in.	NO	YES	YES	NO
7/27/2013	YES	GBCH # 25	Lot 63	NO	36Fl.00in.	48Fl.00in.	NO	NO	NO	NO
8/9/2013	YES	GBCH # 26	Lot 54	NO	47Fl.00in.	28Fl.00in.	NO	YES	YES	NO
5/20/2013	NO	Fisher Is. # 01	Oceanside II	NO	28Fl.00in.	52Fl.00in.	NO	NO	NO	NO
5/22/2013	NO	Fisher Is. # 02	Oceanside V	NO	45Fl.00in.	15Fl.00in.	NO	NO	NO	NO
5/25/2013	NO	Fisher Is. # 03	Club Bch	NO	48Fl.00in.	42Fl.00in.	NO	NO	NO	NO
5/27/2013	NO	Fisher Is. # 04	Oceanside I	NO	22Fl.00in.	46Fl.00in.	NO	NO	NO	NO
6/4/2013	NO	Fisher Is. # 05	Seaside Villa	NO	12Fl.00in.	24Fl.00in.	NO	NO	NO	NO
6/5/2013	NO	Fisher Is. # 06	Oceanside II	NO	29Fl.00in.	27Fl.00in.	NO	NO	NO	NO
6/9/2013	NO	Fisher Is. # 07	Club Bch	NO	57Fl.00in.	32Fl.00in.	NO	NO	NO	NO
6/10/2013	NO	Fisher Is. # 08	Oceanside V	NO	150Fl.00in.	23Fl.00in.	NO	NO	NO	NO
6/10/2013	NO	Fisher Is. # 09	Oceanside V	NO	153Fl.00in.	7Fl.00in.	YES	NO	NO	NO
6/23/2013	NO	Fisher Is. # 10	Oceanside V	NO	3Fl.00in.	148Fl.00in.	NO	NO	NO	NO
6/25/2013	NO	Fisher Is. # 11	Oceanside IV	NO	0Fl.00in.	44Fl.00in.	NO	NO	NO	NO
7/1/2013	NO	Fisher Is. # 12	Oceanside VI	NO	34Fl.00in.	20Fl.00in.	NO	NO	NO	NO
7/9/2013	NO	Fisher Is. # 13	Oceanside II	NO	0Fl.00in.	48Fl.00in.	NO	NO	NO	NO
7/15/2013	NO	Fisher Is. # 14	Club Bch	NO	49Fl.00in.	45Fl.00in.	NO	NO	NO	NO
7/15/2013	NO	Fisher Is. # 15	Oceanside III	NO	26Fl.00in.	30Fl.00in.	NO	NO	NO	NO
7/23/2013	NO	Fisher Is. # 16	Oceanside VII	NO	44Fl.00in.	39Fl.00in.	NO	NO	NO	NO
7/31/2013	NO	Fisher Is. # 17	Oceanside II	NO	40Fl.00in.	16Fl.00in.	NO	YES	YES	NO
7/31/2013	NO	Fisher Is. # 18	Seaside Villa	NO	35Fl.00in.	35Fl.00in.	NO	NO	NO	NO
6/23/2013	NO	Missed # 01	Oceanside VI	NO	2Fl.00in.	42Fl.00in.	NO	NO	NO	NO
5/5/2014	NO	MB # 01	M - 99 St	YES	125Fl.00in.	40Fl.00in.	NO	NO	NO	NO
5/9/2014	NO	MB # 02	N - 101 St	YES	101Fl.00in.	52Fl.00in.	NO	NO	NO	NO
5/12/2014	NO	MB # 03	H - 55 St	NO	80Fl.00in.	28Fl.00in.	NO	YES	YES	NO
5/13/2014	NO	MB # 04	N - 101 St	YES	103Fl.00in.	42Fl.00in.	NO	NO	NO	NO
5/14/2014	NO	MB # 05	M - 98 St	YES	118Fl.00in.	50Fl.00in.	NO	NO	NO	NO
5/15/2014	NO	MB # 06	G - 52 St	NO	38Fl.00in.	9Fl.00in.	YES	NO	NO	NO
5/16/2014	NO	MB # 07	E - 35 St	NO	126Fl.00in.	42Fl.00in.	YES	NO	NO	NO
5/17/2014	NO	MB # 08	L - 88 St	YES	36Fl.00in.	41Fl.00in.	NO	NO	NO	NO
5/18/2014	NO	MB # 09	B - 5 St	NO	241Fl.00in.	9Fl.00in.	YES	NO	NO	NO

5/18/2014	NO	MB # 10	N - 101 St	YES	102Ft.00in.	31Ft.00in.	NO	NO	NO	NO
5/18/2014	NO	MB # 11	M - 95 St	YES	62Ft.00in.	31Ft.00in.	NO	NO	NO	NO
5/19/2014	NO	MB # 12	M - 94St	YES	30Ft.00in.	35Ft.00in.	NO	NO	NO	NO
5/20/2014	NO	MB # 13	K - 86 St	NO	62Ft.00in.	36Ft.00in.	NO	NO	NO	NO
5/22/2014	NO	MB # 14	M - 96 St	YES	78Ft.00in.	42Ft.00in.	NO	NO	NO	NO
5/22/2014	NO	MB # 15	F - 43 St	NO	51Ft.00in.	10Ft.00in.	YES	NO	NO	NO
5/23/2014	NO	MB # 16	G - 47 St	NO	41Ft.00in.	37Ft.00in.	NO	NO	NO	NO
5/24/2014	NO	MB # 17	P - 152 St	NO	51Ft.00in.	18Ft.00in.	NO	YES	YES	NO
5/24/2014	NO	MB # 18	M - 99 St	YES	98Ft.00in.	46Ft.00in.	NO	NO	NO	NO
5/25/2014	NO	MB # 19	E - 30 St	NO	156Ft.00in.	11Ft.00in.	YES	NO	NO	NO
5/26/2014	NO	MB # 20	B - 9 St	NO	196Ft.00in.	12Ft.00in.	YES	NO	NO	NO
5/26/2014	NO	MB # 21	E - 34 St	NO	175Ft.00in.	9Ft.00in.	YES	NO	NO	NO
5/26/2014	NO	MB # 22	I - 65 St	NO	91Ft.00in.	12Ft.00in.	NO	NO	NO	NO
5/26/2014	NO	MB # 23	M - 98 St	YES	131Ft.00in.	33Ft.00in.	NO	NO	NO	NO
5/26/2014	NO	MB # 24	O - LG # 04	NO	176Ft.00in.	28Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 25	T - 186 St	YES	81Ft.00in.	11Ft.00in.	YES	NO	NO	NO
5/28/2014	NO	MB # 26	A - 4 St	NO	172Ft.00in.	13Ft.00in.	YES			
5/28/2014	NO	MB # 27	C - 17 St	NO	207Ft.00in.	9Ft.00in.	YES	NO	NO	NO
5/28/2014	NO	MB # 28	G - 47 St	NO	36Ft.00in.	38Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 29	M - 97 St	YES	115Ft.00in.	28Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 30	M - 99 St	YES	99Ft.00in.	58Ft.00in.	NO	NO	NO	NO
5/28/2014	NO	MB # 31	N - 101 St	YES	99Ft.00in.	40Ft.00in.	NO	NO	NO	NO
5/30/2014	NO	MB # 32	A - 4 St	NO	126Ft.00in.	42Ft.00in.	NO	NO	NO	NO
5/30/2014	NO	MB # 33	N - 102 St	YES	120Ft.00in.	32Ft.00in.	NO	NO	NO	NO
5/31/2014	NO	MB # 34	R - 175 St	YES	89Ft.00in.	47Ft.00in.	NO	NO	NO	NO
5/31/2014	NO	MB # 35	F - 47 St	NO	41Ft.00in.	26Ft.00in.	NO	NO	NO	NO
5/31/2014	NO	MB # 36	N - 102 St	YES	146Ft.00in.	50Ft.00in.	NO	NO	NO	NO
6/1/2014	NO	MB # 37	N - 102 St	YES	71Ft.00in.	56Ft.00in.	NO	NO	NO	NO
6/1/2014	NO	MB # 38	H - 60 St	NO	73Ft.00in.	56Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 39	G - 51 St	NO	49Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 40	G - 51 St	NO	46Ft.00in.	35Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 41	K - 82 St	NO	51Ft.00in.	30Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	MB # 42	M - 96 St	YES	97Ft.00in.	36Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	MB # 43	M - 94 St	YES	41Ft.00in.	25Ft.00in.	NO	NO	NO	NO
6/4/2014	NO	MB # 44	O - LG 3	NO	172Ft.00in.	28Ft.00in.	NO			
6/5/2014	NO	MB # 45	Q - 167 St	YES	67Ft.00in.	12Ft.00in.	YES	NO	NO	NO
6/5/2014	NO	MB # 46	O - LG 8	NO	109Ft.00in.	323Ft.00in.	NO	NO	NO	NO
6/5/2014	NO	MB # 47	D - 24 St	NO	46Ft.00in.	9Ft.00in.	YES			
6/7/2014	NO	MB # 48	E - 39 St	NO	68Ft.00in.	37Ft.00in.	YES			
6/9/2014	NO	MB # 49	R - 171St	YES	48Ft.00in.	32Ft.00in.	NO	NO	NO	NO
6/9/2014	NO	MB # 50	T - 190 St	YES	83Ft.00in.	44Ft.00in.	NO			
6/9/2014	NO	MB # 51	A - 2 St	NO	17Ft.00in.	177Ft.00in.	YES			
6/9/2014	NO	MB # 52	F - 46 St	NO	46Ft.00in.	29Ft.00in.	NO			
6/9/2014	NO	MB # 53	M - 94 St	YES	50Ft.00in.	47Ft.00in.	NO			
6/9/2014	NO	MB # 54	N - 102 St	YES	82Ft.00in.	46Ft.00in.	NO			
6/10/2014	NO	MB # 55	P - 158 St	NO	74Ft.00in.	34Ft.00in.	NO			
6/10/2014	NO	MB # 56	S - 193 St	YES	26Ft.00in.	66Ft.00in.	NO			
6/10/2014	NO	MB # 57	A - 1 St	NO	143Ft.00in.	10Ft.00in.	YES			
6/10/2014	NO	MB # 58	A - 3 St	NO	132Ft.00in.	31Ft.00in.	NO			
6/10/2014	NO	MB # 59	G - 47 St	NO	56Ft.00in.	31Ft.00in.	NO			
6/10/2014	NO	MB # 60	M - 93 st	YES	81Ft.00in.	28Ft.00in.	NO			
6/11/2014	NO	MB # 61	S - 181 St	YES	81Ft.00in.	38Ft.00in.	NO			
6/11/2014	NO	MB # 62	O - LG 8	NO	155Ft.00in.	39Ft.00in.	NO			
6/11/2014	NO	MB # 63	D - 20 St	NO	175Ft.00in.	12Ft.00in.	YES			
6/11/2014	NO	MB # 64	E - 36 St	NO	110Ft.00in.	8Ft.00in.	YES			
6/11/2014	NO	MB # 65	M - 97 St	YES	86Ft.00in.	25Ft.00in.	NO			
6/11/2014	NO	MB # 66	N - 102 St	YES	96Ft.00in.	32Ft.00in.	NO			
6/11/2014	NO	MB # 67	N - 102 St	YES	100Ft.00in.	33Ft.00in.	NO			
6/12/2014	YES	MB # 68	A - 3 St	NO	196Ft.00in.	14Ft.00in.	YES			
6/13/2014	NO	MB # 69	Q - 164 St	NO	34Ft.00in.	20Ft.00in.	YES			
6/13/2014	NO	MB # 70	R - 175 St	YES	94Ft.00in.	23Ft.00in.	NO			
6/13/2014	NO	MB # 71	N - 102 St	YES	87Ft.00in.	50Ft.00in.	NO	YES		
6/13/2014	NO	MB # 72	N - 102 St	YES	0Ft.00in.	131Ft.00in.	NO			
6/15/2014	YES	MB # 73	L - 91 St	YES	31Ft.00in.	42Ft.00in.	NO			
6/15/2014	YES	MB # 74	M - 92 St	YES	70Ft.00in.	25Ft.00in.	NO			
6/15/2014	NO	MB # 75	N - 102 St	YES	100Ft.00in.	50Ft.00in.	NO			
6/15/2014	NO	MB # 76	N - 101 St	YES	51Ft.00in.	67Ft.00in.	NO			
6/16/2014	NO	MB # 77	G - 52 St	NO	69Ft.00in.	10Ft.00in.	YES			
6/16/2014	NO	MB # 78	N - 102 St	YES	100Ft.00in.	50Ft.00in.	NO			
6/17/2014	NO	MB # 79	J - 74 St	NO	41Ft.00in.	62Ft.00in.	YES			
6/17/2014	NO	MB # 80	Q - 160 St	NO	33Ft.00in.	62Ft.00in.	YES			
6/18/2014	YES	MB # 81	M - 97 St	YES	89Ft.00in.	61Ft.00in.	NO			
6/18/2014	NO	MB # 82	P - LG 16	NO	104Ft.00in.	23Ft.00in.	YES			
6/18/2014	NO	MB # 83	O - LG 4	NO	138Ft.00in.	41Ft.00in.	NO			
6/19/2014	NO	MB # 84	S - 185 St	YES	72Ft.00in.	23Ft.00in.	YES			
6/19/2014	NO	MB # 85	A - Cut	NO	110Ft.00in.	60Ft.00in.	NO			
6/19/2014	NO	MB # 86	A - 5 St	NO	141Ft.00in.	20Ft.00in.	YES			
6/20/2014	NO	MB # 87	K - 87 St	NO	62Ft.00in.	35Ft.00in.	NO			
6/21/2014	NO	MB # 88	N -101 St	YES	120Ft.00in.	41Ft.00in.	NO			
6/22/2014	NO	MB # 89	C - 16 St	NO	181Ft.00in.	62Ft.00in.	YES			
6/22/2014	NO	MB # 90	M - 96 St	YES	102Ft.00in.	44Ft.00in.	NO			
6/22/2014	NO	MB # 91	M - 99 St	YES	98Ft.00in.	46Ft.00in.	NO			
6/22/2014	YES	MB # 92	O - LG 10	NO	170Ft.00in.	38Ft.00in.	NO			
6/23/2014	YES	MB # 93	N - LG 01	NO	125Ft.00in.	32Ft.00in.	NO	YES		
6/23/2014	NO	MB # 94	E - 36 St	NO	92Ft.00in.	10Ft.00in.	YES			
6/23/2014	NO	MB # 95	M - 96 St	YES	40Ft.00in.	71Ft.00in.	NO			
6/23/2014	NO	MB # 96	N - 102 St	YES	86Ft.00in.	64Ft.00in.	NO			

6/23/2014	NO	MB # 97	T - 193 St	YES	61Fl.00in.	73Fl.00in.	NO			
6/24/2014	NO	MB # 98	N -101 St	YES	102Fl.00in.	31Fl.00in.	NO			
6/24/2014	NO	MB # 99	N -102 St	YES	133Fl.00in.	42Fl.00in.	NO			
6/24/2014	NO	MB # 100	N 102 St	YES	84Fl.00in.	42Fl.00in.	NO			
6/25/2014	NO	MB # 101	P - 158 St	NO	42Fl.00in.	33Fl.00in.	NO			
6/25/2014	NO	MB # 102	N - 101 St	YES	92Fl.00in.	40Fl.00in.	NO			
6/25/2014	NO	MB # 103	G - 50 St	NO	46Fl.00in.	19Fl.00in.	YES			
6/26/2014	NO	MB # 104	R - 170 St	YES	60Fl.00in.	33Fl.00in.	NO			
6/26/2014	NO	MB # 105	E - 34 St	NO	92Fl.00in.	12Fl.00in.	YES			
6/26/2014	NO	MB # 106	M - 99 St	YES			NO			
6/26/2014	NO	MB # 107	N - 102 St	YES	2Fl.00in.	174Fl.00in.	NO			
6/28/2014	NO	MB # 108	Q - 160 St	NO	66Fl.00in.	22Fl.00in.	YES			
6/28/2014	NO	MB # 109	R - 177 St	YES	86Fl.00in.	27Fl.00in.	NO			
6/28/2014	NO	MB # 110	Q - 160 St	YES	67Fl.00in.	22Fl.00in.	YES			
6/30/2014	NO	MB # 111	S - 183 St	YES	122Fl.00in.	34Fl.00in.	NO			
7/1/2014	NO	MB # 112	P - LG # 13	NO	137Fl.00in.	32Fl.00in.	NO			
7/1/2014	NO	MB # 113	P - 157 St	NO	84Fl.00in.	21Fl.00in.	YES			
7/1/2014	NO	MB # 114	Q - 160 St	NO	4Fl.00in.	63Fl.00in.	YES			
7/1/2014	NO	MB # 115	Q - 167 St	YES	36Fl.00in.	40Fl.00in.	NO			
7/1/2014	NO	MB # 116	D - 22 St	NO	98Fl.00in.	47Fl.00in.	YES			
7/1/2014	NO	MB # 117	G - 48 St	NO	42Fl.00in.	36Fl.00in.	NO			
7/1/2014	NO	MB # 118	L - 90 St	YES	28Fl.00in.	27Fl.00in.	NO			
7/2/2014	NO	MB # 119	T - 192 St	YES	2Fl.00in.	86Fl.00in.	YES			
7/2/2014	NO	MB # 120	N - 102 St	YES	3Fl.00in.	182Fl.00in.	NO			
7/3/2014	NO	MB # 121	A - Cut	NO	125Fl.00in.	9Fl.00in.	YES			
7/3/2014	NO	MB # 122	M - 96 St	YES	27Fl.00in.	71Fl.00in.	NO			
7/4/2014	NO	MB # 123	R - 175 St	YES	71Fl.00in.	51Fl.00in.	NO			
7/4/2014	NO	MB # 124	E - 33 St	NO	83Fl.00in.	15Fl.00in.	YES			
7/5/2014	NO	MB # 125	A -1 St	NO	120Fl.00in.	9Fl.00in.	YES			
7/5/2014	NO	MB # 126	A - Cut	NO	96Fl.00in.	9Fl.00in.	YES			
7/5/2014	NO	MB # 127	I - 63 St	NO	52Fl.00in.	32Fl.00in.	NO			
7/5/2014	NO	MB # 128	H - 57 St	NO	126Fl.00in.	18Fl.00in.	NO			
7/6/2014	NO	MB # 129	O - LG 8/9	NO	156Fl.00in.	33Fl.00in.	NO			
7/6/2014	NO	MB # 130	A - 1 St	NO	119Fl.00in.	10Fl.00in.	YES			
7/6/2014	NO	MB # 131	N - 102 St	YES	0Fl.00in.	176Fl.00in.	NO			
7/6/2014	NO	MB # 132	N - 101 St	YES	70Fl.00in.	61Fl.00in.	NO			
7/6/2014	NO	MB # 133	N - 101 St	YES	103Fl.00in.	53Fl.00in.	NO			
7/6/2014	NO	MB # 134	M - 96 St	YES	23Fl.00in.	126Fl.00in.	NO			
7/6/2014	NO	MB # 135	M - 95 St	YES	83Fl.00in.	31Fl.00in.	NO			
7/6/2014	NO	MB # 136	G - 51 St	NO	42Fl.00in.	66Fl.00in.	NO			
7/7/2014	NO	MB # 137								
7/7/2014	NO	MB # 138	F - 44 St	YES	44Fl.00in.	11Fl.00in.	YES			
7/7/2014	NO	MB # 139	M - 97 St	YES	82Fl.00in.	55Fl.00in.	NO			
7/8/2014	NO	MB # 140	A - Cut	NO	105Fl.00in.	9Fl.00in.	YES			
7/8/2014	NO	MB # 141	C - 15 St	NO	132Fl.00in.	11Fl.00in.	YES			
7/8/2014	NO	MB # 142	C - 16 St	NO	175Fl.00in.	12Fl.00in.	YES			
7/10/2014	NO	MB # 143	O - LG 9 / 10	NO	165Fl.00in.	46Fl.00in.	NO			
7/11/2014	NO	MB # 144	D - 17 St	NO	246Fl.00in.	9Fl.00in.	YES	NO	NO	NO
7/11/2014	NO	MB # 145	G - 47 St	NO	42Fl.00in.	7Fl.00in.	YES	NO	NO	NO
7/12/2014	NO	MB # 146	P - LG # 17	NO	122Fl.00in.	36Fl.00in.	NO			
7/12/2014	NO	MB # 147	I - 63 St	YES	49Fl.00in.	45Fl.00in.	NO			
7/14/2014	NO	MB # 148	P - LG # 15	NO	90Fl.00in.	69Fl.00in.	NO			
7/14/2014	NO	MB # 149	Q - 167 St	NO	134Fl.00in.	13Fl.00in.	NO			
7/14/2014	NO	MB # 150	N - LG # 03	NO	192Fl.00in.	27Fl.00in.	NO			
7/15/2014	NO	MB # 151	E - 34 St	NO	176Fl.00in.	34Fl.00in.	YES	NO	NO	NO
7/16/2014	NO	MB # 152	L - 89 St	YES	47Fl.00in.	32Fl.00in.	NO		NO	NO
6/24/2014	NO	Misded # 01	L - 90 St	YES	76Fl.00in.	26Fl.06in.	NO	NO	NO	NO
7/16/2014	NO	Misded # 02	O - LG # 04	NO	172Fl.00in.	34Fl.00in.	NO	NO	YES	NO
7/17/2014	NO	MB # 153	O - LG # 04	NO	180Fl.00in.	33Fl.00in.	NO			
7/18/2014	NO	MB # 154	T - 193 St	NO	58Fl.00in.	33Fl.00in.	NO			
7/18/2014	NO	MB # 155	A - 1 St	NO	207Fl.00in.	12Fl.00in.	YES			
7/18/2014	NO	MB # 156	I - 63 St	NO	50Fl.00in.	52Fl.00in.	NO			
7/18/2014	NO	MB # 157	N - 102 St	YES	70Fl.00in.	87Fl.00in.	NO			
7/18/2014	NO	MB # 158	N - 102 St	YES	171Fl.00in.	35Fl.00in.	NO			
7/18/2014	NO	MB # 159	N - 102 St	YES	89Fl.00in.	43Fl.00in.	NO			
7/19/2014	NO	MB # 160	M - 98 St	YES	170Fl.00in.	52Fl.00in.	NO			
7/19/2014	NO	MB # 161	T - 189 St	YES	83Fl.00in.	14Fl.00in.	YES			
7/19/2014	NO	MB # 162	J - 73 St	NO	59Fl.00in.	22Fl.00in.	YES			
7/20/2014	NO	MB # 163	F - 41 St	YES	72Fl.00in.	13Fl.00in.	YES			
7/21/2014	YES	MB # 164	J - 68 St	YES	57Fl.00in.	18Fl.00in.	YES			
7/22/2014	NO	MB # 165	A - 1 St	NO	214Fl.00in.	8Fl.00in.	YES			
7/23/2014	NO	MB # 166	F - 46 St	YES	40Fl.00in.	14Fl.00in.	YES			
7/24/2014	NO	MB # 167	R - 172 St	YES	38Fl.00in.	101Fl.00in.	NO			
7/25/2014	NO	MB # 168	S - 181 St	YES	104Fl.00in.	32Fl.00in.	NO			
7/25/2014	NO	MB # 169	T - 193 St	YES	56Fl.00in.	26Fl.00in.	NO			
7/26/2014	NO	MB # 170	M - 94 St	YES	77Fl.00in.	22Fl.00in.	NO			
7/27/2014	NO	MB # 171	Q - 160 St	NO	43Fl.00in.	38Fl.00in.	YES			
7/28/2014	NO	MB # 172	P - 158 St	NO	28Fl.00in.	85Fl.00in.	YES			
7/28/2014	NO	MB # 173	O - LG # 09	NO	171Fl.00in.	58Fl.00in.	NO			
7/29/2014	NO	MB # 174	B - 6 St	NO	105Fl.00in.	10Fl.00in.	YES			
7/31/2014	NO	MB # 175	A - 1 St	NO	215Fl.00in.	15Fl.00in.	YES			
5/17/2014	NO	GB # 01	Lot # 16	NO	6Fl.00in.	63Fl.00in.	NO	NO	NO	NO

5/17/2014	NO	GB # 02	Lot # 38	NO	32Ft.00in.	51Ft.00in.	NO	NO	NO	NO
5/20/2014	NO	GB # 03	Lot # 71	NO	4Ft.00in.	32Ft.00in.	NO	NO	NO	NO
5/20/2014	NO	GB # 04	Lot # 25	NO	50Ft.00in.	23Ft.00in.	NO	NO	NO	NO
5/24/2014	NO	GB # 05	Lot # 76	NO	15Ft.00in.	55Ft.00in.	NO	NO	NO	NO
6/2/2014	NO	GB # 06	Lot # 46	NO	48Ft.00in.	28Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	GB # 07	Lot # 74	NO	15Ft.00in.	27Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	GB # 08	Lot # 67	NO	10Ft.00in.	31Ft.00in.	NO	NO	NO	NO
6/3/2014	NO	GB # 09	Lot # 53	NO	23Ft.00in.	41Ft.00in.	NO	NO	NO	NO
6/6/2014	NO	GB # 10	Lot # 46	NO	6Ft.00in.	63Ft.00in.	NO	NO	NO	NO
6/15/2014	NO	GB # 11	Lot # 18	NO	71Ft.00in.	26Ft.00in.	NO	NO		
6/15/2014	NO	GB # 12	Lot # 35	NO	64Ft.00in.	51Ft.00in.	NO	NO		
6/16/2014	NO	GB # 13	Lot # 34	NO	0Ft.00in.	128Ft.00in.	NO	NO		
6/16/2014	NO	GB # 14	Lot # 41	NO	38Ft.00in.	41Ft.00in.	NO	NO		
6/19/2014	NO	GB # 15	Lot # 61	NO	52Ft.00in.	47Ft.00in.	NO	NO		
6/25/2014	NO	GB # 16	Lot # 61	NO	1Ft.00in.	89Ft.00in.	NO	NO		
6/26/2014	NO	GB # 17	Lot # 57	NO	2Ft.00in.	138Ft.00in.	NO	NO		
6/26/2014	NO	GB # 18	Lot # 45	NO	44Ft.00in.	64Ft.00in.	NO	NO		
6/29/2014	NO	GB # 19	Lot # 75	NO	3Ft.00in.	72Ft.00in.	NO	NO		
6/30/2014	NO	GB # 20	Lot # 43	NO	43Ft.00in.	31Ft.00in.	NO	NO		
7/1/2014	NO	GB # 21	Lot # 13	NO	40Ft.00in.	34Ft.00in.	NO	NO		
7/4/2014	NO	GB # 22	Lot # 67	NO	3Ft.00in.	83Ft.00in.	NO	NO		NO
7/5/2014	NO	GB # 23	Lot # 71	NO	1Ft.00in.	57Ft.00in.	NO	NO	NO	NO
7/6/2014	NO	GB # 24	Lot # 67	NO	11Ft.00in.	56Ft.00in.	NO	NO	NO	NO
7/6/2014	NO	GB # 25	Lot # 73	NO	22Ft.00in.	32Ft.00in.	NO	NO		
7/12/2014	NO	GB # 26	Lot # 56	NO	17Ft.00in.	51Ft.00in.	NO	NO		
7/13/2014	NO	GB # 27	Lot # 03	NO	84Ft.00in.	59Ft.00in.	NO	NO		
7/15/2014	NO	GB # 28	Lot # 20	NO	32Ft.00in.	108Ft.00in.	NO	NO	NO	
7/15/2014	NO	GB # 29	Lot # 49	NO	28Ft.00in.	64Ft.00in.	NO	NO		
7/18/2014	NO	GB # 30	Lot # 34	NO	76Ft.00in.	41Ft.00in.	NO	NO		
7/22/2014	NO	GB # 31	Lot # 02	NO	36Ft.00in.	81Ft.00in.	NO	NO		
7/26/2014	NO	GB # 32	Lot # 69	NO	36Ft.00in.	23Ft.00in.	NO	NO		
7/26/2014	NO	GB # 33							NO	
7/28/2014	NO	GB # 34	Lot # 66	NO	98Ft.00in.	36Ft.00in.	NO	NO	NO	

Cm Nest Worksheet

If "YES" then Inventory, HS and ES values will automatically be generated as "0" or "0%" If available, inventory data for partial washouts can be entered but HS and ES will be 0% for Nourishment Productivity.

Date Nest Recorded (mm/dd/yyyy)	Escarpment ≥ 18" Encountered (YES/NO)	ID/Label	Beach Zone (Optional)	Nest within Project Area (YES/NO)	Distance From Dune (Feet) (5 Ft 3 In should be entered as 5.03)	Distance From MHW (Feet) (5 Ft 3 In should be entered as 5.03)	Nest Relocated (YES/NO)	Nest Washed Over (YES/NO)	Nest Completely or Partially Washed Out (YES/NO)	Nest Completely Depredated (YES/NO)
6/7/2013	NO	MB Cm # 01	B - 14 St	YES	260Ft.00in.	10Ft.00in.	YES	NO	NO	NO
6/17/2013	NO	MB Cm # 02	O - LG # 12	NO	105Ft.00in.	33Ft.00in.	NO	YES	NO	NO
6/21/2013	NO	MB Cm # 03	C - 15 St	NO	216Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/29/2013	YES	MB Cm # 04	N - LG # 01	NO	142Ft.00in.	37Ft.00in.	NO	YES	YES	NO
6/30/2013	NO	MB Cm # 05	O - LG # 09	NO	160Ft.00in.	12Ft.00in.	YES	NO	NO	NO
7/14/2013	NO	MB Cm # 06	B - 13 St	YES	232Ft.00in.	16Ft.00in.	YES	NO	NO	NO
7/14/2013	NO	MB Cm # 07	O - LG # 08	NO	215Ft.00in.	26Ft.00in.	NO	YES	NO	NO
7/26/2013	NO	MB Cm # 08	C - 15 St	NO	237Ft.00in.	16Ft.00in.	YES	NO	NO	NO
8/6/2013	NO	MB Cm # 09	C - 16 St	NO	247Ft.00in.	9Ft.00in.	YES	NO	NO	NO
8/7/2013	NO	MB Cm # 10	O - LG # 08	NO	181Ft.00in.	62Ft.00in.	NO	NO	NO	NO
8/17/2013	YES	MB Cm # 11	P - LG # 13	NO	203Ft.00in.	18Ft.00in.	YES	NO	NO	NO
8/28/2013	NO	MB Cm # 12	O - LG # 07	NO	236Ft.00in.	11Ft.00in.	YES	NO	NO	NO
6/8/2013	YES	GB Cm # 01	Lot 64	NO	48Ft.00in.	33Ft.00in.	NO	NO	NO	NO
6/8/2013	YES	GB Cm # 02	Lot 70	NO	1Ft.00in.	42Ft.00in.	NO	NO	NO	NO
6/17/2013	NO	GB Cm # 03	LGHQ Strand	NO	0Ft.00in.	130Ft.00in.	NO	YES	NO	NO
6/23/2013	NO	GB Cm # 04	Lot 60	NO	7Ft.00in.	111Ft.00in.	NO	NO	NO	NO
6/23/2013	NO	GB Cm # 05	Lot 23	NO	0Ft.00in.	110Ft.00in.	NO	NO	NO	NO
6/25/2013	NO	GB Cm # 06	Lot 60	NO	8Ft.00in.	110Ft.00in.	NO	NO	NO	NO
6/30/2013	NO	GB Cm # 07	Lot 61	NO	12Ft.00in.	101Ft.00in.	NO	NO	NO	NO
7/4/2013	YES	GB Cm # 08	Lot 38	NO	0Ft.00in.	101Ft.00in.	NO	NO	NO	NO
7/6/2013	NO	GB Cm # 09	Lot 30	NO	18Ft.00in.	42Ft.00in.	NO	NO	NO	NO
7/13/2013	NO	GB Cm # 10	Lot 66	NO	2Ft.00in.	105Ft.00in.	NO	NO	NO	NO
7/16/2013	YES	GB Cm # 11	Lot 61	NO	0Ft.00in.	97Ft.00in.	NO	NO	NO	NO
7/18/2013	NO	GB Cm # 12	Lot 20	NO	28Ft.00in.	96Ft.00in.	NO	NO	NO	NO
7/24/2013	NO	GB Cm # 13	Lot 39	NO	0Ft.00in.	72Ft.00in.	NO	NO	NO	NO
7/28/2013	NO	GB Cm # 14	Lot 38	NO	0Ft.00in.	123Ft.00in.	NO	NO	NO	NO
7/29/2013	YES	GB Cm # 15	Lot 62	NO	2Ft.00in.	86Ft.00in.	NO	NO	NO	NO
7/30/2013	YES	GB Cm # 16	Lot 69	NO	4Ft.00in.	71Ft.00in.	NO	NO	NO	NO
8/3/2013	YES	GB Cm # 17	Lot 47	NO	0Ft.00in.	72Ft.00in.	NO	NO	NO	NO
8/8/2013	NO	GB Cm # 18	Lot 18	NO	12Ft.00in.	98Ft.00in.	NO	NO	NO	NO
8/14/2013	NO	GB Cm # 19	Lot 54	NO	0Ft.00in.	110Ft.00in.	NO	NO	NO	NO
9/8/2013	NO	GB Cm # 20	Lot 14	NO	0Ft.00in.	102Ft.00in.	NO	NO	NO	NO
7/1/2014	NO	MB Cm # 01	P - LG # 12	NO	173Ft.00in.	33Ft.00in.				

IF NEST WAS INVENTORIED, DO NOT LEAVE INVENTORY DATA CELLS BLANK, TYPE 0, IF NO DATA EXISTS. IF NEST WAS NOT INVENTORIED, LEAVE ALL CELLS BLANK. RED CELLS WERE AUTOMATICALLY GENERATED OR WERE ENTERED AS 0.													CELLS ARE AUTOMATICALLY GENERATED If a negative # or value greater than 100% appears below, recheck data entered in the nest inventory columns.			
First Hatching Emergence Date (mm/dd/yyyy or leave blank for Unknown)	Incubation Duration Cells are automatically generated	Hatchlings Disoriented (YES/NO)	Nest Inventoried (YES/NO)	Date Nest Inventoried (mm/dd/yyyy)	# of Dead Hatchlings	# of Live Hatchlings	# of Empty Shells	# of Dead Pipped	# of Live Pipped	# of Whole Eggs	# of Damaged Eggs	Additional Notes (See Directions tab for examples of relevant notes.)	Latitude (Optional) reporting, use decimal degrees. Eg.30.10718	Longitude (Optional) reporting, use decimal degrees. Eg. -85.71270	Hatch Success Rate	Emergence Success Rate
7/29/2013	52	NO	YES	8/1/2013	0	3	89	3	3	11	0	MIAMI BEACH - 1455 Ocean Drive - LUMMUS PARK - 2 km North of Govt Cut	25.7861	-80.1191	83.96%	81.13%
8/11/2013	55	NO	YES	8/19/2013	0	3	103	0	1	51	0	HAULOVER BCH - South of LG # 12 x 25 - 2 km North of Haulover Inlet	25.9145	-80.1212	66.45%	64.52%
8/13/2013	53	NO	NO	8/16/2013	4	4	94	14	2	7	0	MIAMI BEACH - 1501 Ocean Drive - IL Villaggio - 3 km North of Govt Cut	25.7866	-80.1272	80.34%	73.50%
9/1/2013	Unknown	NO	NO		0	0	0	0	0	0	0	HAULOVER BCH - North of LG # 01 x 150 - 225 North of Haulover Inlet	25.9012	-80.1216	0.00%	0.00%
9/1/2013	43	NO	YES	9/4/2013	0	0	61	0	0	24	1	HAULOVER BCH - Moved Landward to LG 9 - 1.5 km North of Haulover Inlet	25.9108	-80.1210	70.93%	70.93%
9/2/2013	50	NO	YES	9/8/2013	0	4	95	16	2	29	0	MIAMI BEACH - 1389 Ocean Drive - LUMMUS PARK - 2 km North of Govt Cut	25.7851	-80.1274	66.90%	64.08%
	Unknown	NO	YES	9/18/2013	119	0	119	0	0	6	0	JLOVER BCH - North of LG # 8 x 100 - 1 km North of Haulover Inlet - marked At 0945h	25.9098	-80.1211	95.20%	0.00%
9/13/2013	49	NO	YES	9/16/2013	2	9	83	18	2	29	0	MIAMI BEACH - 1501 Ocean Drive - IL Villaggio - 3 km North of Govt Cut	25.7877	-80.1271	62.88%	54.55%
10/1/2013	56	NO	YES	10/4/2013	1	3	121	0	0	11	0	MIAMI BEACH - 1601 ATA - The Lowes Hotel - 3.5 km North of Govt Cut	25.7885	-80.1269	91.67%	88.64%
9/30/2013	54	NO	YES	10/3/2013	0	2	58	1	2	71	0	HAULOVER BCH - South of LG # 08 x 50 - 1 km North of Haulover Inlet	25.9093	-80.1211	43.94%	42.42%
10/9/2013	53	NO	YES	10/12/2013	0	5	61	0	0	61	1	HAULOVER BCH - In Front of LG # 13 - 2 km North of Haul Inlet - To Close MHW	25.9158	-80.1212	49.59%	45.53%
10/25/2013	58	NO	YES	10/28/2013	0	1	64	0	1	44	0	HAULOVER BCH - In Front of LG # 07 - 1 km North of Haul Inlet - To Close MHW	25.9081	-80.1210	58.72%	57.80%
8/4/2013	57	NO	YES	8/6/2013	0	3	89	0	0	4	0	GOLDEN BEACH - 599 Ocean Blvd Lot 64 Oatis Estate	25.9720	-80.1183	95.70%	92.47%
7/29/2013	51	NO	YES	8/2/2013	0	0	103	0	0	2	0	GOLDEN BEACH - 655 Ocean Blvd Lot 70 - 0.5 km south County Line	25.9737	-80.1194	98.10%	98.10%
8/16/2013	60	NO	YES	8/19/2013	0	2	104	0	0	12	0	JLDEN BEACH - Lot 39 399 Ocean Blvd LGHQ Next to Drive Path - 1 km south County Line	25.9665	-80.1187	89.66%	87.93%
8/17/2013	55	NO	YES	8/20/2013	1	0	114	0	0	22	0	GOLDEN BEACH - 555 Ocean Blvd Lot 60	25.9709	-80.1186	83.82%	83.09%
8/16/2013	54	NO	YES	8/18/2013	0	0	126	0	0	31	0	GOLDEN BEACH - 249 Ocean Blvd Lot 23	25.9619	-80.1189	80.25%	80.25%
8/24/2013	60	NO	YES	9/3/2013	0	0	0	0	0	126	0	GOLDEN BEACH - 555 Ocean Blvd Lot 60	25.9709	-80.1180	0.00%	0.00%
8/24/2013	55	NO	YES	9/4/2013	0	0	82	0	0	1	0	GOLDEN BEACH - 615 Ocean Blvd Lot 61	25.9713	-80.1185	98.80%	98.80%
8/29/2013	56	NO	YES	9/2/2013	1	0	105	0	0	7	0	GOLDEN BEACH - 381 ATA - One Lot South Of LGHQ - 1 km south County Line	25.9660	-80.1187	93.75%	92.86%
8/28/2013	53	NO	YES	9/2/2013	0	4	111	0	0	2	0	GOLDEN BEACH - 299 Ocean Blvd Lot 30	25.9633	-80.1188	98.23%	94.69%
9/6/2013	55	NO	YES	9/18/2013	0	0	126	0	0	2	0	GOLDEN BEACH - 605 Ocean Blvd Lot 66 - T Heffigur	25.9724	-80.1186	98.44%	98.44%
9/6/2013	52	NO	YES	9/10/2013	1	1	116	0	0	25	0	GOLDEN BEACH - 615 Ocean Blvd Lot 61 - South Corner of Lot	25.9711	-80.1185	82.27%	80.85%
9/8/2013	52	NO	YES	9/11/2013	0	0	128	0	0	1	0	GOLDEN BEACH - 219 Ocean Blvd Lot 20	25.9613	-80.1188	99.22%	99.22%
9/23/2013	61	NO	YES	9/26/2013	0	0	106	0	0	10	0	GOLDEN BEACH - 601 Ocean Blvd Lot 66	25.9722	-80.1186	91.38%	91.38%
9/24/2013	58	NO	YES	9/28/2013	0	2	86	0	1	0	0	GOLDEN BEACH - 387 Ocean Blvd Lot 38	25.9660	-80.1187	98.85%	96.55%
9/23/2013	56	NO	YES	9/28/2013	1	0	123	0	0	12	0	GOLDEN BEACH - 577 Ocean Blvd Lot 62	25.9716	-80.1185	91.11%	90.37%
9/23/2013	55	NO	YES	9/28/2013	0	0	89	0	0	4	0	GOLDEN BEACH - 641 Ocean Blvd Lot 69 - Martin Estate	25.9735	-80.1184	95.70%	95.70%
9/24/2013	54	NO	YES	9/29/2013	0	0	161	1	0	6	0	GOLDEN BEACH - 461 Ocean Blvd Lot 47	25.9685	-80.1187	95.83%	95.83%
10/4/2013	57	NO	YES	10/10/2013	0	0	1	0	0	146	0	GOLDEN BEACH - 215 Ocean Blvd Lot 18	25.9607	-80.1188	0.68%	0.68%
	Unknown	NO	YES	10/25/2013	0	0	0	0	0	93	0	GOLDEN BEACH - Lot 54 Under Seagrapes - Unfrt Eggs	25.9692	-80.1187	0.00%	0.00%
11/3/2013	56	NO	YES	11/6/2013	0	5	142	1	0	10	0	GOLDEN BEACH - Lot 14 201 Ocean Blvd in Dune	25.9598	-80.1189	92.81%	89.54%
	Unknown													#VALUE!	#VALUE!	
8/28/2014	58											HAULOVER - COB BCH 150 north of LG 12 First egg = 27"	25.9151	-80.1213	#VALUE!	#VALUE!

Dc Nest Worksheet

If "YES" then Inventory, HS and ES values will automatically be generated as "0" or "0%". If available, inventory data for partial washouts can be entered but HS and ES will be 0% for Nourishment Productivity.

Date Nest Recorded (mm/dd/yyyy)	Escarpment ≥ 18" Encountered (YES/NO)	ID/Label	Beach Zone (Optional)	Nest within Project Area (YES/NO)	Distance From Dune (Feet) (5 Ft 3 In should be entered as 5.03)	Distance From MHW (Feet) (5 Ft 3 In should be entered as 5.03)	Nest Relocated (YES/NO)	Nest Washed Over (YES/NO)	Nest Completely or Partially Washed Out (YES/NO)	Nest Completely Depredated (YES/NO)	First Hatching Emergence Date (mm/dd/yyyy or leave blank for Unknown)	Incubation Duration <i>Cells are automatically generated</i>	Hatchlings Disoriented (YES/NO)	Nest Inventoried (YES/NO)	Date Nest Inventoried (mm/dd/yyyy)
3/15/2013	NO	GB Dc # 01	115 A1A LOT # 3	NO	54Ft.06in.	44Ft.03in.	NO	NO	NO	NO		Unknown	NO	YES	6/8/2013
5/3/2013	NO	MB Dc # 01	E - 28 St	YES	125Ft.00in.	32Ft.00in.	YES	NO	NO	NO	7/15/2013	73	NO	YES	7/20/2013
5/19/2013	NO	MB Dc # 02	P - LG 14	NO	148Ft.00in.	72Ft.00in.	NO	NO	NO	NO	7/22/2013	64	NO	YES	7/26/2013
												Unknown			
4/15/2014	NO	MB Dc # 01	L - 88 St	YES	25Ft.00in.	46Ft.00in.	NO	NO	NO	NO	6/28/2014	74	NO	YES	7/7/2014
5/6/2014	NO	MB Dc # 02	O - LG # 09	NO	183Ft.00in.	28Ft.00in.	NO	NO	NO	NO	7/26/2014	81	NO	NO	
5/14/2014	NO	MB Dc # 03	N - 102 St	YES	118Ft.00in.	51Ft.00in.	NO	NO	NO	NO	7/15/2014	62	NO	YES	7/18/2014
3/26/2014	YES	G Bch Dc # 04	Lot # 47	NO	12Ft.00in.	69Ft.00in.	NO	NO	NO	YES	6/5/2014	71	NO	YES	6/8/2014

IF NEST WAS INVENTORIED, DO NOT LEAVE INVENTORY DATA CELLS BLANK, TYPE 0, IF NO DATA EXISTS. IF NEST WAS NOT INVENTORIED, LEAVE ALL CELLS BLANK. RED CELLS WERE AUTOMATICALLY GENERATED OR WERE ENTERED AS 0.										CELLS ARE AUTOMATICALLY GENERATED If a negative # or value greater than 100% appears below, recheck data entered in the nest inventory columns.	
# of Dead Hatchlings	# of Live Hatchlings	# of Empty Shells	# of Dead Pipped	# of Live Pipped	# of Whole Eggs	# of Damaged Eggs	Additional Notes (See Directions tab for examples of relevant notes.)	Latitude (Optional) reporting, use decimal degrees Eg:30.10718	Longitude (Optional) reporting, use decimal degrees Eg: 85.71270	Hatch Success Rate	Emergence Success Rate
0	0	0	0	0	48	0	GOLDEN BEACH - ABOUT 2 KM SOUTH OF COUNTY LINE	25.9575	-80.1187	0.00%	0.00%
0	3	64	1	0	7	0	MIAMI BEACH - 2899 A1A TRITON TOWERS CONDO	25.8036	-80.1236	88.89%	84.72%
0	1	82	1	0	20	0	HAULOVER BEACH - 151 STREET ~ 2.5 km North Of Haulover Inlet LG 14	25.9173	-80.1214	79.61%	78.64%
										#VALUE!	#VALUE!
0	0	67	0	0	22	0	SOFT SIDE - 8877 Collins Ave. - behind the Chaplain Towers North ~ 2 km south of	25.8744	-80.1200	75.28%	75.28%
0	0	0	0	0	0	0	HAULOVER BEACH - 1 km north of inlet LG 9 - observed one hatching track KAYN			#DIV/0!	#DIV/0!
1	1	73	0	0	13	0	BAL HARBOUR - 10275 A1A The Harbour House Condo Could Not Find Nest	25.8980	-80.1219	84.88%	82.56%
0	0	63	0	0	10	0	GOLDEN BEACH - 461 A1A The Toben Estate - ~ 1km south of County Line- 17 Perals	25.9684	-80.1184	0.00%	0.00%

INFORMATION ON THIS PAGE IS AUTOMATICALLY GENERATED FOR NOURISHMENT PRODUCTIVITY

Species	Within Project Area	NSR	# of FCs Characterized	% of FCs: No Digging	% of FCs: Body Pit	% of FCs: Egg Chamber	% of Marked Nests Disoriented	# of Nests Marked	# of Nests Inventoried	% of Marked Nests Washed Out
Loggerhead	Yes	70.73%	79	72.15%	24.05%	3.80%	3.5%	144	81	0.69%
Loggerhead	No	66.79%	157	68.79%	26.75%	4.46%	1.6%	304	200	4.93%
Green	Yes	100.00%	0	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	2	2	0.00%
Green	No	57.69%	22	31.82%	27.27%	40.91%	0.0%	31	28	50.00%
Leatherback	Yes	100.00%	0	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	3	3	0.00%
Leatherback	No	100.00%	1	100.00%	0.00%	0.00%	0.0%	4	3	0.00%

Average HSR Excluding Relocated Nests	Average HSR Excluding Nests Washed Out/ Depredated/ Relocated	Average ESR Excluding Relocated Nests	Average ESR Excluding Nests Washed Out/ Depredated/ Relocated	Average HSR for Relocated Nests Excluding Nests Washed Out/ Depredated
#VALUE!	#VALUE!	#VALUE!	#VALUE!	79.1%
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#VALUE!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	75.4%
74.6%	77.8%	69.7%	72.8%	69.0%
80.1%	80.1%	78.9%	78.9%	88.9%
#DIV/0!	39.8%	#DIV/0!	26.2%	#DIV/0!

Nest Mean Dist to Dune (m)	Nest Mean Dist to MHW (m)	FC Apex Mean Dist to Dune (m)	FC Apex Mean Dist to MHW (m)
22.2	12.3	20.0	16.8
30.0	12.5	25.4	18.2
75.0	4.0	#DIV/0!	#DIV/0!
22.2	20.5	32.8	22.8
27.2	13.1	#DIV/0!	#DIV/0!
30.3	16.2	1.2	20.1

**Exhibit I – Beachfront Management Plan Advisory
Group Meeting Minutes**



City of Miami Beach, 1700 Convention Center Drive, Miami Beach, Florida 33139, www.miamibeachfl.gov

TO: Members of the Beachfront Management Plan Ad-hoc Advisory Group

Steven Boucher – Boucher Brothers
Vincent Canosa – City of Miami Beach Ocean Rescue
Greg Guannel – The Nature Conservancy
Capt. Dan Kipnis – Marine and Waterfront Protection Authority Committee
Sean Leather – Miami-Dade County Beach Operations
Max Sklar – City of Miami Beach Tourism, Cultural & Economic Development
Lisa Spadafina – Miami-Dade County
Steve Vincenti – Sustainability Committee
Elizabeth Wheaton, Chair – City of Miami Beach Environment & Sustainability
Christian White (also Lambright) – Florida Department of Environmental Protection (FDEP)

SUBJECT: MINUTES OF THE BEACHFRONT MANAGEMENT PLAN AD-HOC ADVISORY GROUP MEETING OF AUGUST 18, 2015

Advisory Group Attendees: Steven Boucher, Vincent Canosa, Greg Guannel, Dan Kipnis, Sean Leather, Max Sklar, Lisa Spadafina, Steve Vincenti, Elizabeth Wheaton, and Christian White.

Supporting City Staff: Mark Taxis, Assistant City Manager; John Ripple, Beach Maintenance Director; Margarita Wells, Environment Resources Manager; Mark Milisits, Asset Manager, Julio Blanco, North Beach Neighborhood Resource Officer; Javier Fulgueira, Recreation Supervisor; and, Flavia Tonioli, Sustainability Specialist.

- 1. Introduction to the Beachfront Management Plan Ad-hoc Advisory Group**
 - a. Ms. Margarita Wells introduced the purpose and format of the meeting, including the process for submitting public comments.
- 2. Selection of Chairman**
 - a. The Beachfront Management Plan Ad-hoc Advisory Group (the Group) unanimously selected Ms. Elizabeth Wheaton as its chairperson.
- 3. Review of the Beachfront Management Plan components**
 - a. Ms. Wells summarized the background of the Beach Management Plan (the Plan) and a timeline of the Plan's 10-year update. Ms. Wells then guided the Group in a cursory review of the Plan's contents. The Group agreed to select discussion items through a voting process and to allot 12 minutes per discussion items, with the option to extend the discussion, as needed.
- 4. Selection of discussion items**
 - a. The Group unanimously voted to discuss the following seven (7) items:
 - i. **Beach Concessions.**

Capt. Dan Kipnis distributed a document with eight (8) resolutions passed at the August meeting of the City's Marine & Waterfront Protection Authority regarding the Concession Operations Rules and Regulations (Exhibit D of the Plan) that he asked the Group to consider. During the discussion, Mr. Max Sklar explained the history, challenges and goals of the draft rules and regulations presented to the Group. The

Group, excluding Mr. Steven Boucher, agreed with the resolutions and recommended that they be incorporated into the Plan for the City Commission's review. Ms. Wells read the public comment cards received on beach concessions into the record (see attached).

ii. **Dune Management Plan.**

Capt. Kipnis distributed photos depicting sea grape trimming in South Beach and expressed his concern regarding this practice. Ms. Wheaton summarized the contents of the City's Dune Management Plan (Exhibit G of the Plan), including the history, challenges and goals considered in its development. She explained that the City manages a coastal dune in an urban environment and has therefore developed a comprehensive strategy that balances several stakeholder needs, such as the system's biodiversity, its health and stability, and security concerns. Ms. Christian White advised that the State of Florida, through the Coastal Construction Control Line program, has jurisdiction of the dunes and that moving forward, large-scale trimming projects will require an administrative permit rather than a field permit. She clarified that these permits provide for more specific and stringent requirements, including sea turtle lighting surveys. Ms. White also provided recommended revisions to the Dune Management Plan, including provisions for better management of the native *Dalbergia* referred to as invasive species in the draft Plan presented to the Group. Other comments provided by Ms. White included: (1) a recommendation to better manage rather than remove native *Dalbergia ecastophyllum* (coin vine) and *Cesalpinia bonduc* (gray nickerbean); (2) a recommendation to reconsider the use of fertilizers which can contribute to pollution; and, (3) a recommendation to review the coastal hammock zone pruning specifications which could surpass the two-thirds limit provided for in the State's sea grape pruning guidelines. Capt. Kipnis asked Mr. Julio Blanco to speak regarding public safety concerns in the dune. Mr. Blanco mentioned that poor lighting, as well as overgrown vegetation contributes to crime challenges along the beach. Mr. Blanco advised that the City has passed a policy to prevent public safety concerns using Crime Prevention Through Environmental Design, with which the Dune Management Plan is in conformance. Mr. Leather advised that sea grapes are top heavy as trees and can uproot during storms, which does not allow them to hold sand and reduce erosion as intended. Ms. Wells read the public comment cards received on the Dune Management Plan into the record (see attached).

iii. **Special Event Requirements**

Ms. White advised that the City does not currently issue Area Wide Permits for special events and therefore Page 5 of 19 should be revised to read: "The City may issue special event approvals via an Area Wide Permit, field permits or other permits received from the DEP." Mr. Sklar agreed that this language is appropriate as it gives the City an opportunity to pursue Area Wide Permits in the future. Capt. Kipnis expressed the Miami Beach Marine & Waterfront Authority's concerns regarding noise during special events on the beach to which Mr. Sklar responded by explaining the existing noise control provisions in the City Code. No public comment cards were received for this item.

iv. **Beach Erosion**

Greg Guannel asked about the City's long-term plan for addressing erosional hot spots. Ms. Wheaton explained beach renourishment is managed by Miami-Dade County in collaboration with the State of Florida. She explained that the County is working to enhance their beach renourishment program by developing a more targeted beach erosion control strategy. No public comment cards were received for this item.

v. **Insurance Coverage for the State**

Miami-Dade County requires the State to be listed as an additional insured in beachfront permits and agreements because they are the land owners. Mr. Sklar agreed that the City should do the same. No public comment cards were received for this item.

vi. **Mobi-Mat Locations**

Ms. White mentioned that mobi-mat locations must be permitted by the State and approved by the Florida Fish and Wildlife Conservation Commission (FWC) through the permitting process (Exhibit N of the Plan). She indicated that a single field permit can be requested for all the mobi-mat locations Citywide and that the permit will need to be renewed on an annual basis. No public comment cards were received for this item.

vii. **Rope and Post**

Ms. White requested a revision to the rope and post standard operating procedures (Exhibit M of the Plan). Specifically, she mentioned that FWC requires all equipment kept on the beach overnight to lay 3 feet above finished grade to minimize potential impacts to sea turtles. Ms. Wheaton agreed with the requested revision. No public comment cards were received for this item.

5. Meeting adjourn

- a. Ms. Wells mentioned that the next step in the Plan's revision is to incorporate the minutes from the meeting as Exhibit I. The Plan, which will also incorporate factual revisions identified during the internal review process, will then be submitted to FDEP's Division of State Lands, as well as to the City Commission for review and approval.



**BEACHFRONT MANAGEMENT PLAN AD-HOC ADVISORY GROUP MEETING
PUBLIC COMMENT CARD**

During the meeting of the Beachfront Management Plan Ad-Hoc Advisory Group, public comments will only be accepted via this public comment card. This card must be completed in its entirety and returned to the staff liaison by the end of the meeting to be included in the public record. All cards received during the meeting will be appended with the Advisory Group meeting minutes and incorporated into the final Beachfront Management Plan. At the discretion of the Advisory Group, 5-10 minutes may be allocated at the end of each discussion item for the staff liaison to read related comment cards in the order in which they were received.

Date: 9/18/15
Name: GARY HUNT
Address: 3447 SHERIDAN AVE
E-mail address: VAHUNT@ATT.NET

Phone number: 305 674 9403

Beachfront Management Plan Section: DUNE MANAGEMENT

Comments: I SUPPORT RESTORING HEALTHY DUNES BY ADDING APPROPRIATE SPECIES BUT I HAVE TO DISAGREE WITH THE DRASTIC PRUNING OF PALM DUNE SCRAPES AND ALL SUPPLEMENTAL MATERIAL TO BE BANNED. I ALSO DISAGREE WITH THE MAINTENANCE HAMMACK PRUNING TO THIN OUT UNDER GROWTH. THE RADICAL CUTTING WILL CAUSE ROOT DEBRIS & WALKS DUNE & MORE INSTABILITY.
THE PROCESS OF THIS PROGRAM IS PROBLEMATIC - HOW CAN THE CITY CUT 100% OF SCRAPES COMPLETELY AND THEN RETROactively PROPOSE THIS METHOD FOR APPROVAL?



**BEACHFRONT MANAGEMENT PLAN AD-HOC ADVISORY GROUP MEETING
PUBLIC COMMENT CARD**

During the meeting of the Beachfront Management Plan Ad-Hoc Advisory Group, public comments will only be accepted via this public comment card. This card must be completed in its entirety and returned to the staff liaison by the end of the meeting to be included in the public record. All cards received during the meeting will be appended with the Advisory Group meeting minutes and incorporated into the final Beachfront Management Plan. At the discretion of the Advisory Group, 5-10 minutes may be allocated at the end of each discussion item for the staff liaison to read related comment cards in the order in which they were received.

Date: 18 Aug 2015

Name: Marcella Pazz Cohen

Address: _____

E-mail address: miaminuzint1@gmail.com

Phone number: _____

Beachfront Management Plan Section: Environmental/Dunes

Comments: Further to the homeless encampments other negative elements that remain in present use are plastic straws, bottled alcohol & styrofoam coolers which end up on our sands/affecting the environment. The other issue is the pickup of rubbish at the end of day. CMB Concessionaries should be responsible in picking up after their customer departure of their zone.

Thank you



**BEACHFRONT MANAGEMENT PLAN AD-HOC ADVISORY GROUP MEETING
PUBLIC COMMENT CARD**

During the meeting of the Beachfront Management Plan Ad-Hoc Advisory Group, public comments will only be accepted via this public comment card. This card must be completed in its entirety and returned to the staff liaison by the end of the meeting to be included in the public record. All cards received during the meeting will be appended with the Advisory Group meeting minutes and incorporated into the final Beachfront Management Plan. At the discretion of the Advisory Group, 5-10 minutes may be allocated at the end of each discussion item for the staff liaison to read related comment cards in the order in which they were received.

Date: 18 Aug 2015

Name: marcella paz cohen

Address: _____

E-mail address: miaminizintle@gmail.com

Phone number: _____

Beachfront Management Plan Section: CMB Beach Concessionaries

Comments: The current situation of our beach north south bound reflects the invasive storage central particularly the MidBeach zone which due to the erosion has created a narrower coastline thus isolating beach goers enjoyment & quality of life creating a heat tunnel by blocking the winds and establishing security issues per its enclosure both during day/night.

Current inventories is excessive displaying stacks of lounge chairs/layed out ones to sit empty particularly during the week days. Should be displayed by "on demand" Thank you.



**BEACHFRONT MANAGEMENT PLAN AD-HOC ADVISORY GROUP MEETING
PUBLIC COMMENT CARD**

During the meeting of the Beachfront Management Plan Ad-Hoc Advisory Group, public comments will only be accepted via this public comment card. This card must be completed in its entirety and returned to the staff liaison by the end of the meeting to be included in the public record. All cards received during the meeting will be appended with the Advisory Group meeting minutes and incorporated into the final Beachfront Management Plan. At the discretion of the Advisory Group, 5-10 minutes may be allocated at the end of each discussion item for the staff liaison to read related comment cards in the order in which they were received.

Date: _____

Name: Clotilde Luca

Address: 301 Ocean Dr.

E-mail address: c/luca@bellsonline.net

Phone number: 305 538 6701

Beachfront Management Plan Section: August 18 2015

Comments: - get language assuming buffer zones
- " " a " GPS of boundary markers

- get language " with real penalties including loss of license per day

if more than one violation
(\$500 is nothing)



**BEACHFRONT MANAGEMENT PLAN AD-HOC ADVISORY GROUP MEETING
PUBLIC COMMENT CARD**

During the meeting of the Beachfront Management Plan Ad-Hoc Advisory Group, public comments will only be accepted via this public comment card. This card must be completed in its entirety and returned to the staff liaison by the end of the meeting to be included in the public record. All cards received during the meeting will be appended with the Advisory Group meeting minutes and incorporated into the final Beachfront Management Plan. At the discretion of the Advisory Group, 5-10 minutes may be allocated at the end of each discussion item for the staff liaison to read related comment cards in the order in which they were received.

Date: 08.16

Name: Moerzi's Sunshine

Address: 465 OCEAN DR

E-mail address: Noisecontrol@the-beach.net

Phone number: 305-672-9090

Beachfront Management Plan Section: Concessions

Comments: _____

- TALK ABOUT CONCESSIONS
- SPECIAL EVENTS
- BEACH WALK: 3RD TO FIFTH
ROUTE MUST BE BETTER DEFINED.

Wells, Margarita

From: Miriam Levine <miriamlevine7@gmail.com>
Sent: Monday, August 17, 2015 9:03 AM
To: Wells, Margarita
Subject: Sea Grape Destruction

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Ms. Wells,

Please stop the destruction of the sea grape trees that benefit our beach. This destruction will take years to be repaired-
-if ever!

Sincerely shocked,
Miriam Levine

Sent from my iPhone

Margarita



Margarita Wells, LEED AP *Environment Resources Manager*
BUILDING DEPARTMENT, Environment & Sustainability Division
1700 Convention Center Drive, Miami Beach, Florida 33139
Tel: 305-673-7000 x6928 / Fax: 786-394-4595 www.miamibeachfl.gov

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

From: Wells, Margarita
Sent: Thursday, July 16, 2015 4:32 PM
Subject: For Review: City of Miami Beach Beachfront Management Plan

Good afternoon,

The City's Beachfront Management Plan, which includes detailed information on everything from daily beach operations to special events on the beach and everything in between, is undergoing a 10-year update as required by Florida Statutes. You are receiving this e-mail because you have been identified as a potential stakeholder and we want to give you the opportunity to provide your comments on the proposed updates. The document is available for download on the M-drive for City staff at the following location: M:\\$CMB\TEMP\Environmental\BEACHFRONT MANAGEMENT PLAN. Additionally, the document will be available on the City's FTP site under the BUILDING folder for the next 48 hours via the following link: <http://www.miamibeachflftp.biz/mediacenter/updown/default.aspx>. After 48 hours, interested parties will need to request the document from the City Clerk's Office (1700 Convention Center Drive, 1st Floor) where it will be available until Tuesday, August 18.

Please note that, in accordance with Florida Statutes, the City Commission has appointed an ad-hoc advisory group of stakeholders that will discuss the proposed beachfront management plan update and provide their comments on Tuesday, August 18 at 9 a.m. in the City Manager's Large Conference Room (see attached public notice). We will be accepting comments from City staff and from the public until then.

If you have any questions, please do not hesitate to contact the Environment and Sustainability Division at 305.673.7010.

Margarita



Margarita Wells, LEED AP *Environment Resources Manager*
BUILDING DEPARTMENT, Environment & Sustainability Division
1700 Convention Center Drive, Miami Beach, Florida 33139
Tel: 305-673-7000 x6928 / Fax: 786-394-4595 www.miamibeachfl.gov

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

Wells, Margarita

From: Cerna, Maria
Sent: Thursday, July 23, 2015 11:57 AM
To: Wells, Margarita
Subject: FW: For Review: City of Miami Beach Beachfront Management Plan

Follow Up Flag: Follow up
Flag Status: Flagged

Margarita,

I was glancing at the Miami Beach Beachfront Management Plan and have the following comment:

On page 8 of 19, second paragraph, I believe the dollar amount should be \$3,000,000 and not \$300,000.

Great Job.



MIAMIBEACH

MARIA CERNA, DIVISION DIRECTOR

Office of Capital Improvement Projects

1700 Convention Center Drive, Miami Beach, FL 33139

Tel: 305.673.7071

Cell: 786.209.6250

www.miamibeachfl.gov

We are committed to providing excellent public service and safety to all Miami Beach residents.

Beachfront
amounts
corrected

From: Martinez, David - CIP
Sent: Friday, July 17, 2015 9:46 AM
To: Cabanas, Humberto; Cerna, Maria; Tomczyk, Ma
Subject: FW: For Review: City of Miami Beach Beachfront Management Plan

Please thumb through the document described below. I realize it's lengthy but I was able to browse through it in 15-20 minutes. It has pertinent information regarding some of our projects and some other useful general information.



MIAMIBEACH

David Martinez, P.E., LEED® AP, DIRECTOR

Office of Capital Improvement Projects

1700 Convention Center Drive, Miami Beach, FL 33139

Tel: 305.673.7071

Fax: 786.394.4103

www.miamibeachfl.gov

Wells, Margarita

From: Ruiz, Maria
Sent: Friday, July 17, 2015 9:27 AM
To: Wells, Margarita
Subject: RE: For Review: City of Miami Beach Beachfront Management Plan

Follow Up Flag: Follow up
Flag Status: Flagged

Margarita –

I don't know if this is of value but we will continue to post and subsequently close any homeless encampments in the dunes.

M

From: Wells, Margarita
Sent: Thursday, July 16, 2015 4:32 PM
Subject: For Review: City of Miami Beach Beachfront Management Plan

Good afternoon,

The City's Beachfront Management Plan, which includes detailed information on everything from daily beach operations to special events on the beach and everything in between, is currently undergoing a 10-year update as required by Florida Statutes. You are receiving this e-mail because you are considered a potential stakeholder and we want to give you the opportunity to provide input on the plan. The document is available for download on the M-drive for City staff at [\\miami-beach\environmental\BEACHFRONT MANAGEMENT PLAN](#). Additionally, the document will be available in the BUILDING folder for the next 48 hours via the following link: <http://www.miamibeachfl.gov/DocumentCenter/View/1234567890>. After 48 hours, interested parties will need to request access to the document at the City of Miami Beach Convention Center Drive, 1st Floor) where it will be available until Tuesday, August 18, 2015.

Please note that, in accordance with the public notice, the City has appointed an ad-hoc advisory group of stakeholders that will discuss the plan and provide their comments on Tuesday, August 18 at 9 a.m. in the Sustainability Division (see attached public notice). We will be accepting comments from City staff and the advisory group on Tuesday, August 18, 2015.

If you have any questions, please contact Margarita Wells in the Sustainability Division at 305.673.7010.

Margarita



Margarita Wells, LEED AP *Environment Resources Manager*
BUILDING DEPARTMENT, Environment & Sustainability Division
1700 Convention Center Drive, Miami Beach, Florida 33139
Tel: 305-673-7000 x6928 / Fax: 786-394-4595 www.miamibeachfl.gov

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

Wells, Margarita

From: Winick, Graham
Sent: Wednesday, May 06, 2015 11:11 AM
To: Wheaton, Elizabeth; Wells, Margarita
Cc: Sklar, Max
Subject: FW: Federal legislative priorities

Follow Up Flag: Follow up
Flag Status: Flagged

Hi guys. We need your help.

We wish to propose as part of the Manager's Federal priority list to have the City obtain from U.S Fish and Wildlife a Section 7 Incidental Taking Permit, that would more easily allow the City to host events during Marine Turtle Nesting Season that we and the Florida DEP feel are worth pursuing and manageable without damaging the ecosystem. This was not only the suggestion, but the mandate of Florida Fish and Wildlife's Kellie Youmans moving forward as they do not wish to opine on such uses. The link to this application is below. I would like your opinion and to schedule a meeting with you to discuss how we can proceed as a municipality for the summer season. Kellie believed the process could take up to one year and we will need this in place for July 2016's Swimwear show, as well as consider it for larger events we may host, including the 2017 Out games.

<http://www.fws.gov/southeast/es/hcp2.htm>

MIAMI BEACH

Graham Winick, *Film and Event Production Manager*

TOURISM, CULTURAL AND ECONOMIC DEVELOPMENT
1700 Convention Center Blvd
Tel: 305-673-7577
[filmiamibeach.com](http://www.filmiamibeach.com)

55 Meridian Avenue, 5th Floor (physical address)
Tel: 786-402-1115 www.miamibeachfl.gov / eventsiamibeach.com/



The City of Miami
messages are confidential

of the Florida Statutes concerning public records. E-mail
sure.

From: Morales, Jimmy
Sent: Wednesday, May 06, 2015 5:14 AM

To: Management Team

Subject: Fwd: Federal legislative priorities

FYI. Please identify any federal issues that should be added to the legislative agenda. Let's bring these to department directors, who can then channel them to the ACM's for compilation and delivery to the Mayor's office. Thanks

Jimmy

Sent from my iPad

Begin forwarded message:

From: "Perez, Fatima" <FatimaPerez@miamibeachfl.gov>

Date: May 5, 2015 at 6:04:26 PM EDT

To: "Morales, Jimmy" <JimmyMorales@miamibeachfl.gov>

Subject: Federal legislative priorities

Jimmy:

Can you forward to the Directors that either deal with key grants or federal funding or policy issues? I need to start working and following up on our federal priorities and I need your assistance to get them to send me any pertinent info.

You can also tell me whom to contact in your organization for the info.

Thanking you in advance.

Fatima Perez

Chief of Staff

Office of the Mayor and Commission

City of Miami Beach

1700 Convention Center Drive

Miami Beach, FL 33139

fatimaperez@miamibeachfl.gov

305-673-7035 **office**/786-375-1463 **cell**

Wells, Margarita

From: Dave Doebler <dave.doebler@gmail.com>
Sent: Monday, August 17, 2015 5:41 PM
To: Wells, Margarita
Subject: Public Comments for Beach Management Plan

Hi Margarita,

I have a few comments for the Beach Management Plan. I'm not sure this is the forum, so edit as you see fit.

ANTI-LITTER STRATEGY

SIGNAGE - We MUST do a better job telling people the guidelines (there is no note indicating no Styrofoam for example). Suggest positive messaging (not government 'rule' looking signs) such as 'Leave Only Footprints' or 'Protect the thing you come to enjoy'

CLEANING - Have a shift of cleaners as the tide rises focused exclusively at the waterline to prevent litter from entering the water.

BEACH AMBASSADORS to positively engage with our visitors and encourage them to take their trash.

RECYCLING BINS

- directly next to garbage cans in a 1-1 layout.
- should be more distinguishable from regular trash
- should be 7 days a week and not Sunday, Monday, Tuesday. Recyclables that are NOT collected on recycling day are thrown in the trash.

NO SEATING LINE below the high water line. Much trash is created by people leaving their litter. If people don't set up 'camp' below the water line, they won't leave trash where it will end up in the water.

BUILD A PLAN for weekends with large crowds. Whether Spring Break, Memorial Day, or Floatopia, we need to have a plan for large volumes of people. We don't have such a plan now.

CIGARETTE ASHCAN or some mechanism to encourage people not to put their butts on the sand.

TOBACCO FREE BEACH - doesn't have to be code / police enforced, just a no smoking area like a park. Maybe every other block is 'TOBACCO FREE'. It is legal to ask people to not smoke - it is not legal to enforce it.

SPECIAL EVENTS :

- **PRE-EVENT INSPECTION** and Post-Event inspection to ensure area is left exactly as before (ie, no litter and zip-ties) just like when you rent a car.
- **LIMIT WHAT CAN BE GIVEN OUT** - No plastic bags, styrofoam or plastic straws/cups allowed. Must follow Concessionaire rules "The following rules and regulations shall apply to beachfront concession operations within the City of Miami Beach. 11. ENVIRONMENTAL. The sale of beverages from cans or glass containers is not permitted. Beverages must only be dispensed in paper cups or other biodegradable containers, in accordance with applicable State and County requirements. Utensils, plates, to-go and any other food and/or beverage service items must only be paper or other biodegradable material. The use of plastic straws (including biodegradable plastic straws) and styrofoam is also prohibited. Furthermore, Section 46-92(c) of the City of

Miami Beach Municipal Code shall apply to all Upland Owner Concessionaires and their employees / subcontractors.

PENALTIES FOR CONCESSIONAIRES

- Modification of "RULES AND REGULATIONS FOR BEACHFRONT CONCESSION OPERATIONS" - Penalties for beach vending violations from monetary fine to temporary loss of license
 - First infraction - suspension of license for 5 days
 - Second infraction - suspension of license for 15 days
 - Third infraction - suspension of license for 30 days

--
Dave Doebler
[954-415-7434](tel:954-415-7434) cell

If everyone picks up one piece of trash every day, the Earth would be litter-free!

Wells, Margarita

From: Wells, Margarita
Sent: Monday, August 17, 2015 4:27 PM
To: 'vanhunt@att.net'
Cc: Wheaton, Elizabeth
Subject: RE: Beachfront Management Plan

Good afternoon Gary,

The meeting will take place from 9 a.m. to noon in the City Manager's Large Conference Room.

Margarita



Margarita Wells, LEED AP *Environment Resources Manager*
BUILDING DEPARTMENT, Environment & Sustainability Division
1700 Convention Center Drive, Miami Beach, Florida 33139
Tel: 305-673-7000 x6928 / Fax: 786-394-4595 www.miamibeachfl.gov

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

From: vanhunt@att.net [mailto:vanhunt@att.net]
Sent: Monday, August 17, 2015 4:26 PM
To: Wells, Margarita
Subject: Beachfront Management Plan

Ms. Wells,

Could you please let me know what time tomorrow the ad-hoc dune management advisory group will be meeting and in what office, I would like to attend.

Thank you,

Gary Hunt

786 414 4168

From: "Wells, Margarita" <MargaritaWells@miamibeachfl.gov>
To: 'sheryl gold' <shergoldcom@gmail.com>
Cc: "Gary Hunt (vanhunt@att.net)" <vanhunt@att.net>; "Wheaton, Elizabeth" <ElizabethWheaton@miamibeachfl.gov>
Sent: Wednesday, August 12, 2015 5:51 PM
Subject: RE: Beachfront Management Plan Download Link

Sheryl,

The members of the Advisory Group are as follows:

- Max Sklar - CMB Tourism, Culture and Economic Development/Managing Agency

- Betsy Wheaton - CMB Environment and Sustainability/Managing Agency
- Vincent Canosa - CMB Ocean Rescue/Managing Agency
- Sean Leather - Miami-Dade Beach Operations/Co-Managing Agency
- Lisa Spadafina - Miami-Dade Environmental Resources/Co-Managing Agency
- Christian Lambright – FDEP/Co-Managing Agency
- Steve Vincenti - CMB Sustainability Committee/Local Resident Representative
- Dan Kipnis - CMB Marine and Waterfront Protection Authority/Local Resident Representative
- Steve Boucher - Local Commercial Representative/Local Resident Representative
- Greg Guannel – TNC/Local Conservation Organization

I know Betsy, Christian, and Steve have been involved with past dune restoration efforts locally. I cannot advise if any of the other members are knowledgeable about dune restoration. Remember that these individuals were selected, per Florida Statutes, to represent specific stakeholder groups.

The public comment period ends on August 18, as the only comments that will be formalized are those discussed by the Advisory Group. However, as I mentioned, the City has been and will continue to take into consideration all comments that we receive until the document is sent to the State for approval.

Margarita



Margarita Wells, LEED AP *Environment Resources Manager*
 BUILDING DEPARTMENT, Environment & Sustainability Division
 1700 Convention Center Drive, Miami Beach, Florida 33139

Tel: 305-673-7000 x6928 / Fax: 786-394-4595 www.miamibeachfl.gov

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

From: sheryl gold [<mailto:shergoldcom@gmail.com>]
Sent: Tuesday, August 11, 2015 9:37 PM
To: Wells, Margarita
Cc: Gary Hunt (vanhunt@att.net); Wheaton, Elizabeth
Subject: Re: Beachfront Management Plan Download Link

Hi Margarita,

Who is serving on the Advisory Group? Are there any persons who are knowledgeable about dune restoration? How do we communicate with them?

If through your office, what is the deadline for comments that will be conveyed to the group? As you are aware, we just received the document yesterday and need time to review the dune management plan. I know you said that there will be plenty of time for additional public comment after Aug. 18 but we did not realize until yesterday that the group would be meeting next week.

Thank you,
 Sheryl

On Aug 10, 2015, at 12:39 PM, Wells, Margarita wrote:

**Miami Beach Marine & Waterfront Authority
Beachfront Concession Operations Plan Resolutions**

Resolution 1: The workable area shall consist of 60% of the Concession Area divided equally along the east-west centerline of the Concession Area. The remaining 40% of the areas shall be equally divided and laid along the north and south property lines.

Resolution 2: Install or put in place permanent markers to establish the buffer zone and workable area, where the buffer zones are. The markers shall be easily/ highly visible.

Resolution 3: The buffer zone must be solely reserved for use by the public.

Resolution 4: Equipment boxes and huts shall be reduced from 50% to 30%.

Resolution 5: Storage including storage bins shall be stored north and south, instead of east and west.

Resolution 6: At the start of day only 10% of chairs and umbrellas shall be set up and more added as required by demand.

Resolution 7: Beach concessions with gas cooking facilities shall be inspected once a year by the City of Miami Beach Fire Dept.

Resolution 8: Fine schedule - The city considers instead of monetary fines, shutting down the operational sites for various lengths of time, where there is a violation of the site management plan.



www.regionalconservation.org

August 17, 2015

Re: City of Miami Beach, Draft Beachfront Management Plan

Advisory Group and Staff, City of Miami Beach,

Please accept this letter from the Regional Conservation Models program of The Institute for Regional Conservation (IRC), in review of the City's Draft Beachfront Management Plan, specifically the draft Coastal Dune Management Plan (Exhibit G).

First, the City of Miami Beach is to be commended for moving forward with the adoption of a formal dune management plan. Without such a plan, the critical biodiversity of the dune systems on Miami Beach cannot be protected or managed. In particular, we agree with the need to develop a Citywide Coastal Dune Management Plan (CDMP), as has been drafted.

We also agree with the general premise of the CDMP, which is to identify the primary natural systems extant in the dune system and to develop specifications for managing those systems, and restoring them where needed. The removal of invasive exotic plants throughout the dune system, and the management of a grassy pioneer zone are paramount and, seemingly, without great controversy. We would, however, delete the phrase "or eliminate" from the last sentence of the Statement of Purpose; future maintenance can never be eliminated.

While less obvious, the restoration and management of the coastal strand system in the back dune is of great importance to plant and animal biodiversity. Almost all coastal strand systems in southeastern Florida were destroyed prior to the early 1980s, and many species survived in small pockets along the coast. Dune restoration work in the late 1980s allowed some species to partially recover, but lack of maintenance over the years has taken a toll. Many plants in this system require high light conditions and cannot compete with invasive plants and larger, more aggressive native plants like sea-grapes, which create a canopy of shade. If sea-grape and shrub trimming on the dune is done as part of a comprehensive coastal strand restoration program, then we are in favor of this management tool. However, we think more can be done to fully restore the coastal strand system on Miami Beach. This would include the removal of additional non-native plants above and beyond what is listed by the Florida Exotic Pest Plant Council, and the installation of additional native strand plants, beyond the basic palette outlined in the CDMP. We agree that some native species like coin vine and gray nickerbean can functionally act as invasive species and require control as described in the CDMP. Although the incorporation of rare plants in the planting plan is discussed in the CDMP, it is only a

The Institute for Regional Conservation
100 E Linton Blvd
Suite 302B
Delray Beach, FL 33483

suggestion. [We would like to see the City take a stronger stance and commit to restoring a healthy dune system that incorporates the myriad native dune plants that have been documented to occur in the area, including globally and regionally rare species, so that overall conservation benefits are elevated. Some of these conservation benefits could be accomplished through contract while others could be achieved through ongoing or new volunteer community engagement efforts.]

[With regard to the actual specifications, we would encourage a quick review of the strand zone species specifications, including the ratio of saw palmettos to other species, the list of pre-approved species, and the container sizes specified. The maintenance work specification seems to be hanging (item 4 of?) and open to interpretation. Some protocols also need to be developed about how to deal with weedy native and non-native plants that invade newly planted areas.]

With regard to the Strand Zone Species Pruning Specifications, we would note that much of the necklace pod on Miami Beach is actually the non-native *Sophora tomentosa* var. *occidentalis* (from Texas, Mexico and Central America) and should be removed. We also agree that certain areas should be designated as coastal (maritime) hammock, and these area should be restored and managed so that the complete suite of coastal upland systems are represented as natural communities in the City of Miami Beach.

In conclusion, we think the CDMP as drafted is a great start and is on track, but only if the intent of the City is to engage in real long-term restoration and management. We anticipate that a longer conversation will emerge leading to great conservation work supported by a community of stakeholders. We hope that these comments are helpful and appreciate being part of the review process. Thanks you for your consideration.

Sincerely,



George Gann
Chief Conservation Strategist
The Institute for Regional Conservation
www.regionalconservation.org

A private non-profit organization, The Institute for Regional Conservation (IRC) is dedicated to the protection, restoration, and long-term management of biodiversity on a regional basis, and to the prevention of regional extinctions of rare plants, animals and ecosystems.

Wells, Margarita

From: Raelene Mercer <raelene@sublimemiami.com>
Sent: Sunday, August 16, 2015 7:42 PM
To: Wells, Margarita
Cc: Wheaton, Elizabeth; Morales, Jimmy
Subject: Sea Grape butchering

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Margarita,

I am so disappointed in the butchering of our sea grapes in the dunes down to 2 feet on the beaches from south beach to north beach.

1. I do not accept the explanation that cutting off the canopy of the trees will strengthens the roots. I heard from arborist that leaving them exposed and smaller right now may instead leave them vulnerable. I wish the City would get additional info on this so that proper science can back this up before more butchering is done.

2. It seems that to keep them at a mere 2-3 ft height essentially would make them less effective barriers to storm surges because we are minimizing the overall surface area of the trees by shrinking them down to tiny bushes.

3. I know the city is worried about homeless/crime. But reducing our sea grapes to shrubs is no solution. Sea grapes, at least most of them, kept sized as nature intended keeps our beachfront cooler and adds much needed oxygen to our air. I doubt the city would propose getting rid of all bushy trees in the urban parks because of the same issues?

4. The way this was approved was not transparent:

There should have been a peer review of the approach before this was done. I request we go back and do this now, before it moves forward.

5. Has anyone done an impact review of the sea turtles? They are an endangered species. This may go against the laws of endangered species act?

This may go down in history as very bad judgement call on the city's behalf. And it left out the step of peer review!

There may even be news coverage of this because it is really altering our beaches. Getting RID of foliage is not a good idea when we need MORE foliage to protect storm surges.

Please forward this email to the CMB - Advisory Board, Beachfront Management Plan. I cannot attend the meeting Tuesday at 2 pm at city hall about this.

Very disappointingly,

Raelene Mercer
S U B L I M E

305 720 5805
raelene@sublimemiami.com

Wells, Margarita

From: sheryl gold <shergoldcom@gmail.com>
Sent: Monday, August 17, 2015 12:05 AM
To: Wells, Margarita
Cc: Wheaton, Elizabeth; gary hunt; Malakoff, Joy; Bob Brennan
Subject: Public Comments - CMB Dune Management Plan - Ad Hoc Advisory Board Review
Attachments: Fwd_ Dune Restoration - arborists weigh in.rtf; -8030673.FP.pdf; -8030671.FP.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

To:
Margarita Wells
From: GTAG Greenspace/Tree Advocacy Group
CC: Elizabeth Wheaton, Joy Malakoff, Gary Hunt, Bob Brennan
Re: CMB Dune Management Plan

Margarita,

Please forward this e mail on Monday morning, August 17, to the CMB Ad Hoc Advisory Board reviewing the Dune Management Plan on Tues., Aug. 18

Thank you,
Sheryl Gold

August 16, 2015

Re: CMB Dune Management Plan

Dear Members of the CMB Ad Hoc Advisory on the Dune Management Plan,

Although this e mail is lengthy, it is filled with information and facts that are important to your review of the City's Plan. We hope you will take the time to read it.

[We are a group of resident experts who have voluntarily advocated for the urban forest and greenspace in Miami Beach during the past 15 years. This is to communicate our serious concerns about the City's Dune Management Plan, and our opposition to the radical pruning of the sea grape trees, resulting in the removal of 100% of the tree's canopy and the weakening of the root system. Ironically, the City has advised residents that this was done to strengthen the tree roots and the dune system in case of storms. This represents a massive loss to the city's tree canopy, which is already seriously deficient at 15% (normal cities are at 30-35%).]

We first contacted the City in March when Luiz Rodrigues, of ECOMB, sent photos of the tree stumps in the dunes on South Beach (see below). Subsequently, we asked the City to postpone implementation of this strategy in North Beach until they obtained a peer review of the science behind this approach. The Administration refused

to contact dune specialists to review their plan and provide expert opinion. And they refused to postpone the project.

This despite critical comments from top certified arborists in South Florida; and from the scientist who worked on prior dune restoration projects on MB and had recommended Mr. Barron. The Administration dismissed all criticism, saying the tree experts were not dune experts and that the biologist did not appreciate that the dunes were in an urban area.

Attached is correspondence with the CMB, including comments submitted by experts:
Bob Brennan, chief arborist, Fairchild Gardens; Founder and President, Tropical Arborist Guild; Recipient 2015 Miami-Dade County Crown Leadership Award; former chairman, Urban Forest Committee, City of Miami
Gary Hunt, certified arborist and native plant specialist, co founder of Tremendous and GTAG; Board Member, Tropical Audubon Society; recipient of Miami-Dade County Crown Leadership Award
Jeff Shominski, tropical horticulturist and consulting arborist, author and long time S FL plant authority; recently retired as chief horticulturist at Jungle Island
Dr. Sam Wright, biologist who consulted with CMB and Surfrider on prior dune restoration projects
Sebastian Koerber, certified master arborist specializing in wind mitigation and tree canopy

We also reached out to The Nature Conservancy, RSMAS, the University of Florida, and other top scientists whose area of research and practice is dune restoration. None of them had heard of the city's consultant, Robert Barron nor his approach to dune restoration.

We then contacted FDEP who issued the permits (see attached). The permits were for "CPTED Trimming Events".... not for "dune restoration". We spoke with the official who issued the permits. At first she told us the City had exceeded the permit. Then, upon checking the permit, she realized that the city was legally in compliance because there were no height restrictions in the permit. Nevertheless, there was a lot more trimming than she had expected. She said the reason she issued the permits was because the city said there were numerous rapes and stabbings. No statistics were provided nor was their a dune restoration plan submitted with the permit application. She described the tree trimming as a "massacre" and said she was sorry she ever issued the permits.

Sea grape trees are specifically adapted to the back dune habitat. There are restrictions for trimming sea grape trees:

Trimming or pruning native dune vegetation may seem desirable to a property owner in order to provide a clear view. All trimming and pruning of sea grapes seaward of the Coastal Construction Control Line is subject to the permitting requirements of the FDEP. **No more than one-third of the height of a sea grape and no more than one-third of the leaf area may be removed in a single pruning event or a single year. The plants can not be reduced to an overall height of less than six feet.** All pruning should be in accordance with accepted horticultural practices referred to as "Crown Reduction Pruning Standards". Any pruning beyond this limit requires an FDEP permit. **A well-developed stand of seagrasses is essential to the stability of the beach and dune, accretion of sand, and protection of upland buildings from storm-induced erosion and blowing sand and salt spray. Sea grapes also block light from the beach where it could otherwise interfere with sea turtle nesting and disorient emerging hatchlings.** Marine turtle mortality resulting from increased illumination is a violation of Florida Statutes and the Federal Endangered Species Act of 1973 and is subject to fines up to \$10,000. The best policy is to let a hard winter freeze and salt spray control the height of dune seagrasses naturally.

As recently as this week, a South Beach activist reported to us:

"City officials advise that the cutting of sea grapes in the dunes down to a height of two to three feet strengthens the root system and is thus a good hurricane storm surge barrier, and that the plans are to keep them trimmed at about that height."

The response from our tree experts:

["Any tree that does not need roots will discard them. Roots grow to support the canopy of the tree. Not because some one says they want strong roots. When the canopy of a tree is removed, the root system starts to decline,"] said Bob Brennan.

"Officials cannot claim that when 100% of the tree's canopy is removed that the root system is strengthened. The stump without leaves is unable to conduct photosynthesis and cannot maintain the extensive root system of the original tree," said Gary Hunt.

One thing everyone agrees on is that the dune system requires more species. We've been advised there needs to be **at least three times the species that is being recommended** in the plan. The diversity is key to strengthening the dune system. However, these plantings did not necessitate reducing the sea grape trees to bushes (that the city plans to maintain at 36").

South Florida, and Miami Beach, in particular face serious impacts from climate change and SLR. The challenge is to adapt as best we can, for however long our barrier island will be habitable -- which is a matter of decades, not a hundred or hundreds of years.

Trees play a key role in adapting to climate change. They are important for efficient stormwater management. They provide shade in ever increasing temperatures. They clean the water.

The City needs to adopt natural solutions as well as engineered solutions. And the best science available should be sought before radical programs such as this one are implemented. Why were these trees cut so severely before the Dune Management Plan was reviewed, approved and implemented? All we ever asked was for a scientific peer review of Mr. Barron's dune management plan. The City only recently reached out to two others; one a dune plant specialist and, the other, one of the nation's top coastal dune scientists and licensed geologist in FL. As of this date, we have not seen Dr. Gann's report on his site visit or Dr. Robert Young's analysis.

The assistant city manager has repeatedly stated that there are many competing interests in an urban area. Nothing can justify the mass destruction of the sea grape tree canopy. Nor the overzealous CPTED implementation in the City's parks that has destroyed hundreds of mature native trees that were painstakingly harvested from special seeds to re create a more natural species composition. Nor the thousands of mature trees lost to public "improvement" projects.

[" We recommend that you urge the city to undertake a **peer review** of the dune management plan BEFORE it is submitted to the State. Only then will the City have the scientific analysis it needs to take responsible action. The plan should include a **time schedule and budget** to ensure that the full plan will be implemented."]

Other serious concerns include the fate of the **turtles**. We have been told that the hatchlings will be disoriented and head west and die, because the severe sea grape trimming has removed a considerable amount of light-blocking tree canopy. [The Sea Turtle Conservancy should be consulted.]

[" The community deserves to know the city's **plan to mitigate for the lost tree canopy**. Since the sea grapes would have to die in order for the State to require replacement, this will not address the massive loss of tree canopy."]

We look to government agencies and the City to protect our environment. Unfortunately, in this case the permitting system and the City process failed. The community is now dependent upon the Advisory Board to deliberate over these serious issues and recommend solutions to put the City on the right path.

Sheryl Gold
Gary Hunt
GTAG Greenspace/Tree Advocacy Group







From: sheryl gold <shergoldcom@gmail.com>
Date: August 16, 2015 3:49:17 PM EDT
To: sheryl gold <shergoldcom@gmail.com>
Subject: **Fwd: Dune Restoration - arborists weigh in**

From: Jeff Shimonski <jeff@tropicaldesigns.com>
Date: July 28, 2015 7:33:43 PM EDT
To: Bob Brennan <treeguru@mac.com>
Subject: **Re: Fwd: Dune Restoration**

Hey Bob,

I read with great interest the email thread below regarding the severe cutting of the seagrapes to 3 feet. Over the course of my horticultural career I have worked with a substantial amount of these trees including successfully relocating mature, 30 feet to 40 feet tall, seagrapes to a beach along Biscayne Bay. I have also spent quite a bit of time pruning, including restoration pruning after hurricanes, large branches on this species.

There is certainly a large amount of experts involved in this project but my experience tells me that this amount of severe pruning on these trees will likely kill them, if not outright, then via the huge infection courts that will be created with such large pruning cuts. Perhaps I missed it but I could not find the diameter of the seagrape trunks in the email thread.

I have grown and maintained seagrapes as hedges and visual barriers and found when trunks over a few inches in diameter are cut, the ends decay and the new growth is weakly attached. Wow, I think that is why we learned not to be topping trees. Yep, their roots will die. Aren't these roots part of the stabilizing environment on a beach habitat?

My 2 cents,

Jeff Shimonski
ISA Certified Arborist Municipal Specialist FL-1052AM
Member American Society of Consulting Arborists
ISA Tree Risk Assessment Qualification
305-773-9406

www.TropicalDesigns.com
www.MalaysiaFlora.com

Mark,

You have now heard from two of our region's most knowledgeable and

respected tree experts. Both have extensive experience working in

ALL habitats, including dunes.

I do not know anyone, other than Mr. Barron and staff, that thinks this is a good plan. If anything, everyone we have spoken with thinks it is a bad plan.

You refer to our urban area as if it were unique. Every urban area has competing interests. That being said, we are not aware of

any other city that is so willing to sacrifice trees because they cannot control crime and the homeless. I just returned from Berlin, an impressive "green city" with lots of parks and tree lined streets, where trees are rightfully considered the "lungs" of the city. It was apparent that vegetation is not pruned or destroyed due to visibility and safety issues; yet, I did not see a single vagrant or homeless person during my 9 day stay. While Miami

Beach is not exactly Berlin, it is relevant. Miami Beach finally has decided that trees are a priority. As a result, its tree preservation and protection efforts must reflect this.

It doesn't matter when the dune restoration project began. What is

important, is to consult other experts to review the current approach and recommend what is best, now. In that regard, please

update us on the city's outreach, i.e. NOAA, RSMAS, environmental organizations, as promised in Betsy Wheaton's last correspondence.

Thank you.

Sheryl Gold
GTAG Greenspace/Tree Advocacy Group

On Jun 22, 2015, at 8:07 PM, Taxis, Mark wrote:

Hi Gary,

Thank you for taking the time to write. There are no hidden agendas, but the issue is a bit more complex than many are making it out to be. The dune restoration project is something that began in 2013 as a comprehensive approach to managing our dune system. There were and continue to be many competing interests.

There were those that were pushing for pretty manicured dunes like the ones in Bal Harbor (non-functional), those that wanted to have natural dunes with no trimming, and those (along with our Police Department) that wanted extensive trimming (more than is being done in this project) to increase visibility and safety. Most problems, when viewed from one perspective are quite easy to solve. To effectively manage a dune system in an urban area like

Miami Beach where there are so many competing interests is very complex. In order to develop an approach that would allow the

City of Miami Beach to manage a functional dune system in an urban environment that protects property in a major wind event with

storm surge and addresses safety concerns, the City engaged Rob Barron to assist us with this. His credentials are :

40 years of experience in design and installation of coastal landscapes, including both ornamental and restoration projects

Rob has been working on the Florida coastline and in the Caribbean since 1973, and has carried out over 1400 dune restoration and management projects ranging from large scale (miles of shoreline per project) hurricane repairs to sophisticated, comprehensive habitat restorations. Some of Rob's more notable projects include dunescapes, repairs and restorations for City of Delray Beach, Town of Jupiter Island, Elbow Key (Bahamas), Manalapan private preserve, Cistern Cay (Bahamas), Hutchison Island and Governor Beach, St. Barthelemy, French West Indies. He regularly addresses professional organizations at conference on coastal policy, plant science and landscape management practices. He has also tenaciously and successfully lobbied for significant revisions to coastal management policy and regulation at state and local levels. As you can see Rob Barron is an expert in dune restoration and management.

I have a great deal of confidence in Betsy Wheaton, believe we have hired an expert and developed a good plan that considers all perspectives.

Thanks again,

Mark

On Jun 22, 2015, at 6:56 PM,
"vanhunt@att.net<<mailto:vanhunt@att.net>>

" <vanhunt@att.net<<mailto:vanhunt@att.net>>> wrote:

Thank you Bob for your common sense explanation to the city staff and commissioner that when a tree loses 90% of its canopy it can no longer maintain the extensive root system it once had as a whole tree, an extensive root system which once helped to hold the soil of the dune together. It is well known that the root system will die back to a level that the pruned tree can maintain, especially the fine rootlets that run throughout the soil and stabilize the surrounding soil. Drastic pruning will actually make the dunes less stable.

A couple of other points to consider are the large tree, perhaps ten feet across, collects leaves underneath that are prevented from blowing away by the natural shape of the seagrape. These leaves decay and add organic material to the dunes that can be used by the seagrape as well as other dune plants. The drastically pruned hedge two feet high and two feet wide will no longer hold leaves, the organic material will oxidize away quickly in the sun and the cycle of adding nutrients to the soil will be broken. Additionally, the dunes maintain themselves by trapping blowing sand as they trap fallen leaves. A two foot hedge will not maintain the same level of sand accretion that a full tree does.

If the city truly wanted to protect the dunes and the seagrape

trees then adding more plants on the shoreward side would be the logical solution. There are many species that are native here but a couple of plants that are very hearty, wind and salt tolerant and were found on Miami Beach before it was developed are saw palmettos, dalbergia ecastophyllum or coin vine, cocoplum, wax myrtle and necklace pod. Planting these in front of the seagrapes and in the holes left by the removed scaevola sericea would help build the dunes by trapping windblown sand, they would add their roots to the dune to bind the soil and also to help create the wedge shape cross section that directs the wind up and over the seagrapes, protecting them from wind toss. I feel that the decision by the city staff to radically cut the seagrapes to protect them is not real reason they have been cut. Clearly no one wakes up in the morning and says "I have to destroy the tree to save the tree". There is some other agenda driving this destruction because adding more native plants to fill the holes left by the removal of the invasive scaevola sericea would have been the clear logical path. Gary Hunt

From: Bob Brennan
<treeguru@mac.com<<mailto:treeguru@mac.com>>>
To: sheryl gold
<shergoldcom@gmail.com<<mailto:shergoldcom@gmail.com>>>
Cc: "Wheaton, Elizabeth"
<ElizabethWheaton@miamibeachfl.gov<<mailto:ElizabethWheaton@miamibeachfl.gov>>>; "Taxis, Mark"
<MarkTaxis@miamibeachfl.gov<<mailto:MarkTaxis@miamibeachfl.gov>>>;
"Malakoff, Joy"
<
JoyMalakoff@miamibeachfl.gov<<mailto:JoyMalakoff@miamibeachfl.gov>>>

hfl.gov>>

;

"Morales, Jimmy"

<

JimmyMorales

@miamibeachfl.gov<<mailto:JimmyMorales@miamibeachfl.gov>>>

; "Wells, Margarita"

<MargaritaWells@miamibeachfl.gov<<mailto:MargaritaWells@miamibeachfl.gov>>>

I.g ov>>; gary hunt <vanhunt@att.net<<mailto:vanhunt@att.net>>>

Sent:

Sunday, June 21, 2015 10:53 AM

Subject: Re: following up re: dune restoration

Flawed logic of drastic reduction: Part of the reason that Hat Racking is banned is within the root system. Trees grow roots to support the top of the tree. I do not think there is any question about that. When the top of the tree is removed roots die. (this does not help the dune) When roots die or are removed it shows in tip and branch dieback in the canopy. In usually the length of time it takes for the tree to grow. 4 inch diameter limb is removed a 4 inch diameter root dies.

If you remove 1,000 pounds of canopy from the tree, you will have 1,000 pounds of roots die. This is why we grow trees on the dune and maintain them instead of coppicing them.

Trees do not react quickly as a rule. Slow and steady the trunk stores energy for drought and storms and insect infestation which is why they grow for so long.

Yes it does take a person who cares and is willing to be trained or is trained to do proper tree pruning. This training is available and is reasonable in price thru the Agricultural

Extension Service in Homestead and in Broward county. The University of Florida has professors who have spent their lives studying trees and how they grow.

I have been digging up remnant roots from trees that have been coppiced for many years and believe the actions of your landscape architect are flawed. No one can see underground without ground penetrating radar. I have been a practicing tree guy for 45 years, A certified Arborist for 11 years. Tree Risk Assessment Qualified recently.

I am sure if you think about this for a few minutes you will realize that the local people have been watching and complaining because you have been sold a bill of goods. Habitat loss... fifteen to twenty feet of space along the beach for birds and insects for the birds to eat. We need the insects to pollinate the plants for flowers and shade. Our need for shade is growing and your dune killer is removing the trees that provide it.

Will an 18 inch tall tree feed a 40 foot long root system? Of course not. Will dead roots hold the sand as well as living roots? No! Will lots of important species be lost. You can be sure of that... This project is a bad idea.

Please think about this again. It is a bad plan.....

I would rather see training for the staff you have.

Bob Brennan
treeguru@me.com <<mailto:treeguru@me.com>>
305-323-7342

1) I read the law restricting the removal of no more than 1/3 of the height and no more than 1/3 of the leaf of a sea grape tree; did the city get a special exemption to reduce the trees to 24"?

2) "There are a small number of plant species that can endure the extreme conditions encountered along our state's coastline. Dune species such as the Sea grapes thrive in this harsh environment. Sea grape trees and shrubs act as a continuous sand trap. The accumulation of sand by the leaves, limbs and stalks play a major role in the construction of the beach and dune system. Without the stabilizing and accreting effects of Sea grapes and other salt-tolerant plant species, the beach and dune system becomes more vulnerable to erosion." Given the important role of seagrapes, why has the city determined that seagrapes are inappropriate for the dunes and will no longer be planting them?

Regards,
Sheryl

On Jun 15, 2015, at 9:32 PM, Wheaton, Elizabeth wrote:

Hi Mark,

Thank you for your timely response and for considering our concerns and suggestions. Again, you have not told us anything in

this e mail that GTAG members did not already know. We've heard

all the justifications, we're familiar with Mr. Barron's credentials and read his letter more than once, along with the details of his approach. I really don't understand why staff failed to meet with us in the last two months, so that this could have been discussed. We are not convinced that winds or storms

would threaten the trees if they were appropriately maintained (not turned into shrubs) or

that the trees would compromise the dune system. We are looking at

this, not from one perspective, but admittedly, not from the criminal/homeless perspective.

It is apparent that the Police Department is driving a lot of this agenda and we still maintain it is an overzealous implementation of CPTED that is not just shaping the dune vegetation into an unnatural state, it has resulted in removing

hundreds of trees in the parks and continues to result in the loss of many native trees. You may or may not be aware that at least 300 of 400

native trees voluntarily planted by Gary Hunt , years ago, with a grant that he personally obtained through Treemendous, were removed in Pine Tree Park since your administration took over. Between the drainage projects and CPTED, the city will be lucky to have any trees left .

We do not agree with this radical pruning methodology of the seagrapes and clearing the understory as is planned for North Shore

Park; and believe, in the long run, it will prove to be a mistake, just like the removal of over 400 mangrove trees along the

Collins Canal.... trees that the city is wisely considering planting for climate resiliency!

This is not a vote of no confidence in Betsy and Margarita.

However,

on citywide projects such as this, we support consulting with several experts before entering into a contract, especially, as in this case, when it is a controversial approach. As I mentioned, this consultant originally was recommended by Sam Wright, who, it

turns out, does not agree with Mr. Barron's approach. Did anyone reach out to NOAA or other consultants for input? We have

not been able to find one tree expert who agrees with this approach. While they may not be "dune specialists" they know trees

and their natural habitats, in this instance, the dunes.

Still wondering what, if any, outreach to the North Beach neighborhood will be done before they gaze upon the horrific sight

of 24 inch seagrapes with no leaves.

Sheryl Gold
GTAG

On Jun 15, 2015, at 3:02 PM, Taxis, Mark wrote:

From: Taxis, Mark
Sent: Monday, June 15, 2015 2:50 PM
To: 'sheryl gold'
Subject: RE: following up re: dune restoration

Good Afternoon Sheryl,

I apologize for the delay in getting back to you.

I appreciate both your diligence and commitment to making a difference in something that I know you believe strongly in. While we could delay the project it is not something I can support. The dune restoration project is something that began in 2013 as a comprehensive approach to managing our dune system. There were and continue to be many competing interests. There were those that were pushing for pretty manicured dunes like the ones in Bal Harbor (non-functional), those that wanted to have natural dunes with no trimming, and those (along with our Police Department) that wanted extensive trimming to increase visibility and safety. While I could be wrong, I believe that you, like

our Police Department is looking at this issue from a single perspective. Most problems, when viewed from one perspective are quite easy to solve. But to effectively manage a dune system in an urban area like Miami Beach where there are so many competing interests is very complex. Homeless encampments in untrimmed dunes are hidden in the daytime. In order to develop an approach that would allow the City of Miami Beach to manage a functional dune system in an urban environment that protects property in a major wind event with storm surge and address safety concerns, the City engaged Rob Barron to assist us with this. His credentials are as follows:

Environmental Consultant, Grower and Landscape Contractor
40 years of experience in design and installation of coastal landscapes, including both ornamental and restoration projects
Owner of Coastal Growers / Coastal Management & Consulting Rob has been working on the Florida coastline and in the Caribbean since 1973, and has carried out over 1000 dune restoration and management projects ranging from large scale (miles of shoreline per project) hurricane repairs to sophisticated, comprehensive habitat restorations. Coastal Management specializes in no-irrigation-system projects to replicate the complete coastal ecosystem, using a strong and population balanced mix of native plant species. Most landscape installations are now for high end, oceanfront private homes integrating storm protective dune function with the demand for an attractive and sustainable vista. Coastal Growers nursery specializes in propagation and production of rare and listed coastal species not generally available in the trade, cultured to optimize survival installed in

projects without irrigation systems. The nursery produces 60+ native species from colorful flowers to striking specimens including several for which Coastal Growers is the sole source. Some of

Rob's more notable projects include dunescapes, repairs and restorations for City of Delray Beach, Town of Jupiter Island, Elbow Key (Bahamas), Manalapan private preserve, Cistern Cay (Bahamas), Hutchison Island and Governor Beach, St.

Barthelemy,

French West Indies. He regularly addresses professional organizations at conference on coastal policy, plant science and landscape management practices. He has also tenaciously and successfully lobbied for significant revisions to coastal management policy and regulation at state and local levels.

As you can see Rob Barron is not simply an arborist, he is an expert in dune restoration and management. While I truly admire your passion and position, I don't see where any of the arborists you spoke with have any experience at all with dunes.

I have a great deal of confidence in Betsy Wheaton, believe we have hired an expert and developed a good plan that considers all perspectives. I have not read anything in your email that makes me believe we should pause this project but if the Commission thinks we should delay the project while we reconsider our approach I will certainly make the call.

Finally, I have attached a letter from Rob Barron sent last April that outlined his approach and credentials. While you and I might not agree as to what the best approach to take is, please know that I too am trying to follow what I believe is the best interest for Miami Beach.

Mark

J. Mark Taxis
Assistant City Manager
OFFICE OF THE CITY MANAGER
1700 Convention Center Drive, Miami Beach, FL 33139
Tel: 305-673-7010 / Fax: 305-673-7782 /
<http://www.miamibeachfl.gov><<http://www.miamibeachfl.gov/>>

We are committed to providing excellent public service and safety to all who live, work and play in our vibrant, tropical, historic community.

-----Original Message-----

From: sheryl gold [mailto:sgoldcom@me.com]

Sent: Sunday, June 14, 2015 4:33 PM

To: Taxis, Mark

Subject: following up re: dune restoration

Mark,

I have spent a good part of the day in conversation with 3 certified arborists and a North Beach neighborhood activist.

I was informed that the first time the NB neighborhood became aware of the work starting on Monday was in an e mail sent to the public on Thursday. He was not aware of any outreach by the city to North Beach residents. As a leader in the neighborhood, he would have normally been involved in any discussions/meeting.

i spoke with the following certified arborists today:

Bob Brennan, certified arborist and tree risk assessment specialist; arborist, Fairchild Tropical Botanic Gardens; founder and president, Tropical Arborist Guild; recipient Crown Leadership Award, Miami Dade County; former chairman, Urban Forest Committee, City of Miami; tel no: 305 323-7342 He believes

it is a bad reason for getting rid of the tree canopy. Trees must be properly maintained but cutting to 3 ft. is not a good idea.

Many benefits

will be lost., i.e. lowering temperatures, loss of wildlife habitat, shade, etc. He will be happy to consult with the city on site tomorrow or any other day. His arboricultural consulting fee is \$150 an hour. He can meet you at the site tomorrow or any other day.

Gary Hunt, certified arborist, V.P. of Treemendous, chair of the Tree

Committee, native plant specialist. Member of Board of Tropical Audubon Society; recipient, Crown Leadership Award, Miami Dade

County; tel no. 786-414-4168 His points are the roots are extensive because of the size of the trees. There is a balance maintained between the canopy and the underground system.

The root

system will die back and the the root system will shrink when pruned. Not only will the shrubs will never be able to grow to trees but the organic material that collects underneath the larger trees contributes to the nutrients in the soil that feeds the trees. It will be lost by oxidizing in the sun or being removed when cleared away in the process of pruning the trees into shrubs.

Much better to add a row of shrubs in front of the seagrapes to block the wind. Gary restored the Virginia Beach State Park

into an ecological gem. While not a dune restoration specialist, he knows a lot about dune environments and native plant species.

Sebastian Koerber, ISA certified master arborist and new resident on Miami Beach from Germany; specializing in wind mitigation and

tree canopy; tel no. 305 - 606 5797 Seagrape trees are specifically adapted to this natural habitat. It is hard to believe there would be a negative impact on the integrity of the dune system. Low likelihood of seagrape trees uprooting in storm;

if trees are toppled, then they adapt and grow horizontally. He is a "wind specialist" and using a software system can calculate how much tree canopy must be reduced in order to minimize wind effects. Basically, it is a misguided approach to try to improve on nature. Regarding the shrub approach in an urban area, he would need to review and assess the scientific data supporting such an approach before commenting.

Sam Wright, certified arborist and dune specialist. He moved out of town and I have not been able to reach him. While he originally recommended Robert Barron to Besty, he does not agree with this approach of reducing seagrape trees to shrubs.

The bottom line....it would be appropriate to postpone commencement of the work tomorrow morning. Take a time out, in order to reach out to the neighborhood and to schedule a meeting with Brennan, Gary and Koerber, to further study this approach; or see if NOAA has a dune restoration specialist who can add to the discussion. Only then, If it is determined this is the only way to save the dune from erosion, then at least the decision will have been made after full analysis and dispelling concerns voiced by professionals.

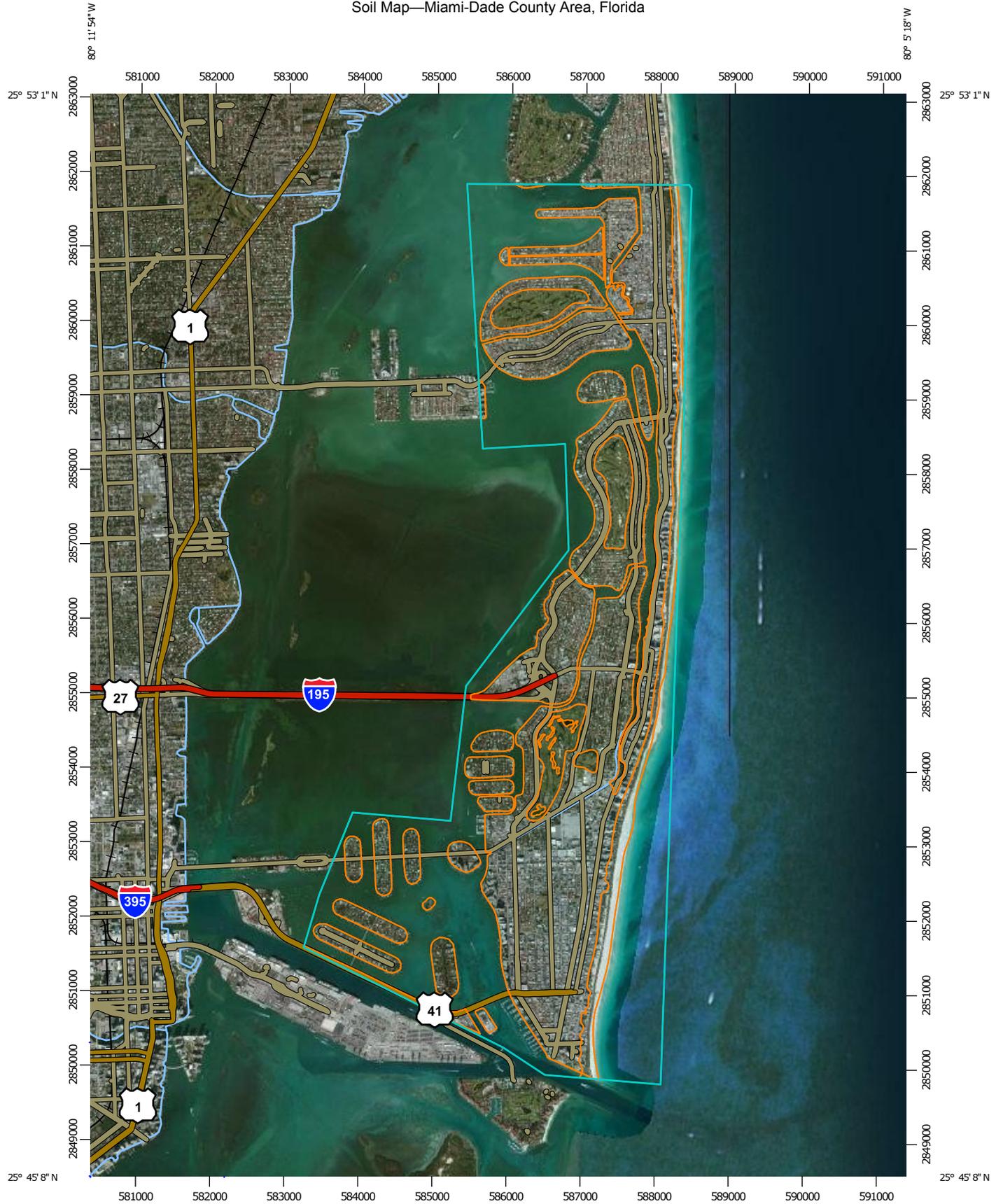
To be honest, when re reading the 2014 LTC, it appears that crime prevention is as much a part of this radical approach to our natural resources as is the dune restoration. We think the city needs to review the current implementation of CPTED and reconsider if the city's greenspace and tree canopy should be made victims of this overzealous policy.

Sheryl

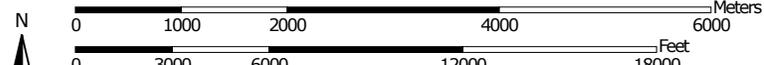
<14 04-03 RHB Letter to ESW(2).pdf>

**Exhibit J – U.S. Department of Agriculture Soil
Information Survey Map**

Soil Map—Miami-Dade County Area, Florida



Map Scale: 1:71,000 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Miami-Dade County Area, Florida

Survey Area Data: Version 5, Sep 9, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 11, 2010—Jan 9, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Miami-Dade County Area, Florida (FL686)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
9	Udorthents-Water complex	4.8	0.1%
15	Urban land	4,155.1	48.1%
39	Beaches	392.9	4.6%
42	Udorthents, limestone substratum, 0 to 5 percent slopes	377.6	4.4%
47	St. Augustine sand	3.3	0.0%
99	Water	2,789.8	32.3%
100	Waters of the Atlantic Ocean	909.7	10.5%
Totals for Area of Interest		8,633.2	100.0%

**Exhibit K – Florida Natural Areas Inventory Letter for
City of Miami Beach**



1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
850-224-8207
fax 850-687-9364
www.fnai.org

August 4, 2014

Christine Borski
City of Miami Beach
Office of Emergency Management
1700 Convention Center Drive
Miami Beach, FL 33139

Dear Ms. Borski,

Thank you for requesting information from the Florida Natural Areas Inventory (FNAI). We have compiled the following information for your project area.

Project: City of Miami Beach
Date Received: 7/16/2014
Location: Dade County

FNAI Element Occurrences

A search of our maps and database indicates that we currently have several element occurrences mapped in the vicinity of the study area, although only a few within the study area (see enclosed map and element occurrence table). Please be advised that a lack of element occurrences in the FNAI database is not a sufficient indication of the absence of rare or endangered species on a site.

Federally Listed Species

Our data include records of federally listed species, particularly *Caretta caretta* (Loggerhead Sea Turtle), *Chelonia mydas* (Green Sea Turtle), and *Dermochelys coriacea* (Leatherback Sea Turtle), on or very near this site (see enclosed map and tables for details). This statement should not be interpreted as a legal determination of presence or absence of federally listed species on a property.

The FNAI Element Occurrences data layer includes rigorously documented occurrences of rare species and natural communities. For animals and plants, element occurrences generally refer to more than a casual sighting; they usually indicate a viable population of the species. Note that some element occurrence labels indicate the general vicinity of the occurrence. This may be due to lack of precision of the source data, or an element that covers an extended area (such as a wide-ranging species or large natural community). Note that some element occurrences represent historically documented observations which may no longer be extant. Extirpated element occurrences will be marked with an 'X' following the occurrence label on the enclosed map.

*Several of the species and natural communities tracked by the Inventory are considered **data sensitive**. Occurrence records for these elements contain information that we consider sensitive due to collection pressures, extreme rarity, or at the request of the source of the information. The Element Occurrence Record has been labeled "Data Sensitive." We request that you not publish or release specific locational data about these species or communities without consent from the Inventory. If you have any questions concerning this please do not hesitate to call.*



Florida Resources
and Environmental
Analysis Center

Institute of Science
and Public Affairs

The Florida State University

Tracking Florida's Biodiversity

Biodiversity Matrix

In addition to element occurrences, other rare species and natural communities may be identified on or near the site based on habitat models and species range models. The Biodiversity Matrix Report compiles several data sources – including Element Occurrences, occurrence-based species habitat models, predictive range models, and natural community maps – to provide a broader list of documented, likely, and potential species on or near the site. These species could be taken into consideration in field surveys, land management, and land use decisions. Note that the Biodiversity Matrix Report lists species and communities by square-mile Matrix Unit, rather than by the site of interest, so the Documented list may vary from the Element Occurrence Table supplied with this report.

FNAI occurrence-based habitat models indicate areas, which based on land cover type, offer suitable habitat for one or more rare species that is known to occur in the vicinity. Habitat models have been developed for approximately 300 of the rarest species tracked by the Inventory, including all federally listed species.

FNAI species predictive range models indicate areas that are within the known or predicted range of a species, based on climate variables, soils, vegetation, and/or slope. Species range models have been developed for approximately 340 species, including all federally listed species.

The FNAI Biodiversity Matrix Geodatabase compiles Documented, Likely, and Potential species and natural communities for each square mile Matrix Unit statewide.

Managed Areas

Portions of the site appear to be located within the North Shore Park, managed by the City of Miami Beach.

The Managed Areas data layer shows public and privately managed conservation lands throughout the state. Federal, state, local, and privately managed conservation lands are included.

The Inventory always recommends that professionals familiar with Florida's flora and fauna conduct a site-specific survey to determine the current presence or absence of rare, threatened, or endangered species.

Please visit www.fnai.org/trackinglist.cfm for county or statewide element occurrence distributions and links to more element information.

The database maintained by the Florida Natural Areas Inventory is the single most comprehensive source of information available on the locations of rare species and other significant ecological resources. However, the data are not always based on comprehensive or site-specific field surveys. Therefore this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. Inventory data are designed for the purposes of conservation planning and scientific research, and are not intended for use as the primary criteria for regulatory decisions.

Information provided by this database may not be published without prior written notification to the Florida Natural Areas Inventory, and the Inventory must be credited as an information source in these publications. FNAI data may not be resold for profit.

This report is made available at no charge as a public service of the Florida Natural Areas Inventory.

Thank you for your use of FNAI services. If I can be of further assistance, please contact me at (850) 224-8207 or at npasco@fnai.org.

Sincerely,

Nathan Pasco

Nathan Pasco
GIS / Data Services

Encl

1018 Thomasville Road
 Suite 200-C
 Tallahassee, FL 32303
 (850) 224-8207
 (850) 681-9364 Fax
 www.ftrai.org

FLORIDA
Natural Areas
 INVENTORY

- MiamiBeach
- Cooperative Land Cover v2.3
- Mixed Hardwood-Coniferous
- Shrub and Brushland
- Sand Beach (Dry)
- Estuarine
- Mangrove Swamp
- Marine
- Exotic Plants
- Non-Natural
- County Boundary
- Interstate
- Turnpike
- Major Highway
- Local Road
- Railroad [Inactive railroads shown in Gray]
- Water



City of Miami Beach

Dade County



Map produced by NDP
 Map Date: 8/4/2014

City of Miami Beach

Dade County



1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
www.fnai.org

FLORIDA Natural Areas INVENTORY

Element Occurrences

- Animals
- Plants
- Communities
- Other
- Data Sensitive
- Point Indicates General Vicinity of Element
- U.S. Fish & Wildlife Service Scrub Jay Survey 1992-96

Conservation Lands

- Federal
- State
- Local
- Private
- State Aquatic Preserves

Land Acquisition Projects

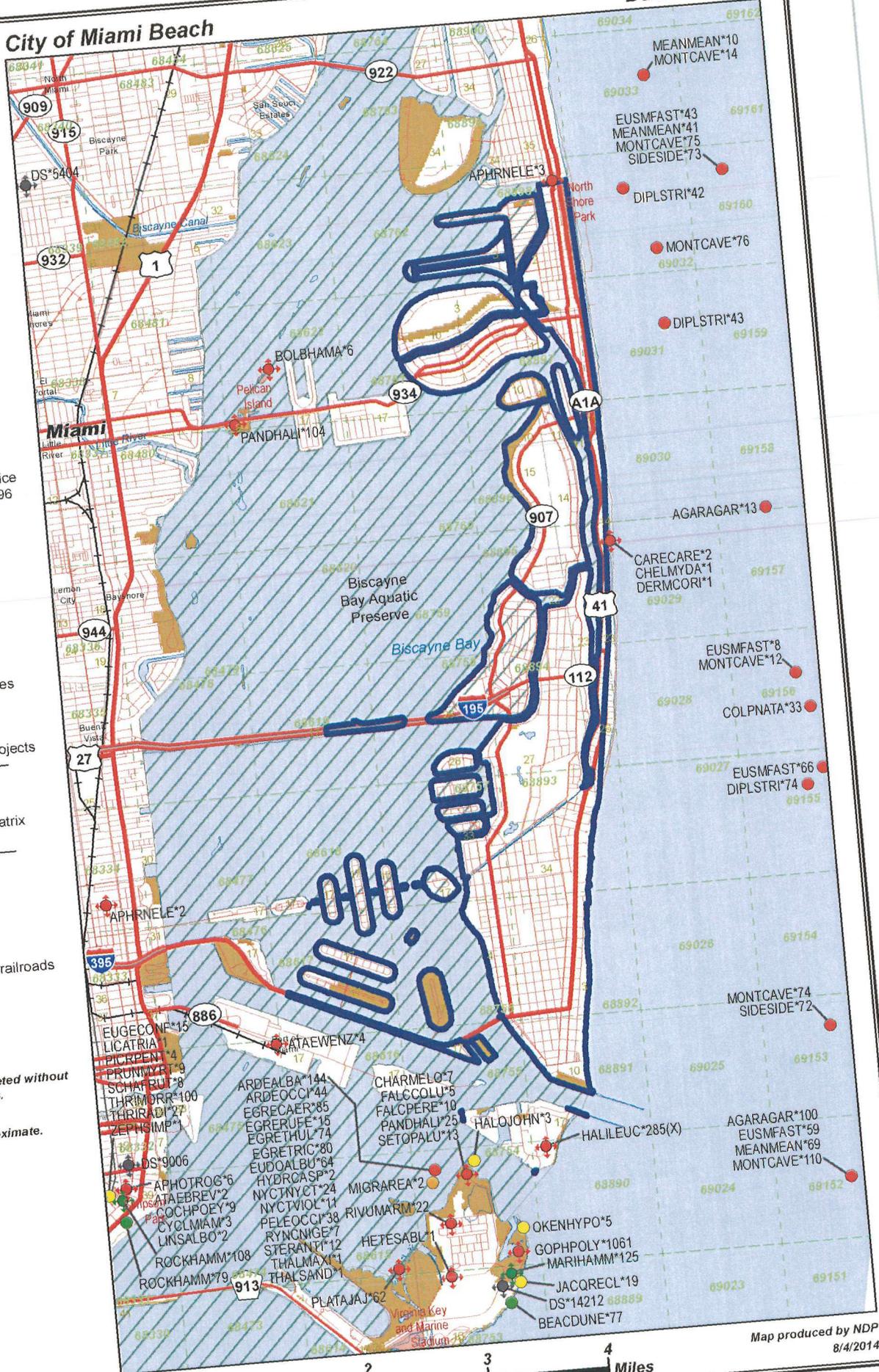
- Florida Forever
- Board of Trustees Projects

- FNAI Rare Species Habitat
- FNAI Biodiversity Matrix Square Mile Units

- County Boundary
- Interstate
- Turnpike
- Major Highway
- Local Road
- Railroad [Inactive railroads shown in Gray]
- Water

NOTE
Map should not be interpreted without accompanying documents.

Site boundaries are approximate.





FNAI ELEMENT OCCURRENCE REPORT on or near City of Miami Beach

10718 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
www.fnai.org



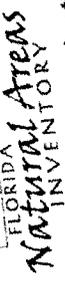
EO Comments

Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
APHOTROG*6	<i>Aphodius troglodytes</i>	Gopher Tortoise Aphodius Beetle	G2G3	S2	N	N	1933-12-31	1933-12-31: No description given (B73W0001FLUS).	1933-12-31: One specimen was collected in a Gopher burrow by F. N. Young (B73W0001FLUS). 1933-12-29: One specimen was collected in a Gopher burrow by F. N. Young (B73W0001FLUS).
APHRNELE*3	<i>Aphrissa heleiis</i>	Pink-spot Sulphur	GU	S2	N	N	2012-05	2012-05-23: The butterfly appears to be doing well in a highly urbanized environment. The host plant, <i>Lysitoma sabicu</i> , appears in widely-varied places, both as mature trees as well as young ones, and the plant is a recommended landscape tree by local age	2012-05: Unspecified numbers of adults, larvae, and eggs reported from three different localities in northern Miami-Dade County during 2012-04 and 2012-05 (U12POO01FLUS).
ARDEALBA*144	<i>Ardea alba</i>	Great Egret	G5	S4	N	N	1987	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	NEVILLE REPORTS AREA USED REGULARLY IN WINTER. PRESUMABLY A REGULAR FEEDING/LOAFING AREA.
ARDEOCCI*44	<i>Ardea herodias occidentalis</i>	Great White Heron	G5T2	S2	N	N	1987	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	NEVILLE REPORTS AREA USED REGULARLY IN WINTER. PRESUMABLY A REGULAR FEEDING/LOAFING AREA.
ATAEWENZ*4	<i>Ataenius wenzelii</i>	An Ataenius Beetle	G3G5	S2S3	N	N	1966-10-11	1966-10-11: No description given (B73W0001FLUS).	1966-10-11: One specimen was collected by J. E. Porter using a mosquito light trap (B73W0001FLUS). 1966-09-19: One specimen was collected by J. E. Porter using a mosquito light trap (B73W0001FLUS).
BEACDUNE*77	Beach dune		G3	S2	N	N	1999	LOW ENERGY, NARROW, FLAT BEACH WITH ONLY PATCHY SEA OATS.	1999: Update to last obs date was based on interpretation of aerial photography (previous value was 1990-04-17) (U05FNA02FLUS). PASPALUM (U05FNA02FLUS); SCAEVOLA SERICEA, IVA DISTICHUM, SCAEVOLA PES-CAPRAE, IMBRICATA, IPOMOEA DEBILIS, DALBERGIA HELIANTHUS DEBILIS, COCONUT ESCASTOPHYLLUM, COCONUT
BOLBHAMA*6	<i>Bolbocerosoma hamatum</i>	Bicolored Burrowing Scarab Beetle	G3G4	S3	N	N	1962-02-07	1962-02-07: No description given (B73W0001FLUS).	1962-02-07: One specimen was collected by W.S. Brevton using a McPhail trap (B73W0001FLUS).



FNAI ELEMENT OCCURRENCE REPORT on or near City of Miami Beach

1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
www.fnai.org



EO Comments

Nesting beaches of the Southeast Florida genetic subunit as defined by Shablin et al. (2011) (A11SHA01FLUS). This includes all observed and likely habitat from Hutchinson Island south to Key Biscayne. From 2008-2012, the surveyed beaches had annual ne

WINTERING AREA. 1991 PIPING PLOVER WINTER CENSUS FOUND NO BIRDS IN 4.0 MILE SURVEY. 1987-2 OBSERVED FORAGING ON MUDFLATS AT THE N.E. END OF KEY ON 19 APR. NEVILLE HAS OBSERVED A FEW BIRDS HERE IN FALL, WINTER, SPRING REGULARLY SINCE 1979. N

Observed and likely nesting beaches from the Georgia border to Cape Florida State Park. From 2008-2012, the surveyed beaches had annual nesting densities ranging from 0.02 to 240.14 nests per km; the highest nesting densities were in the vicinities of J

1994-Pre: This species was collected here (B94DEY01FLUS).

Observed and likely nesting beaches from Georgia border to Cape Florida. Between 2008-2012, the surveyed beaches had annual nesting densities ranging from 0.03 to 20.75 nests per kilometer (U13FWC01FLUS). Nesting densities are highest on beaches in the

2006-09-06: One specimen was documented. No corals at this site were pale and 6% were bleached (U09FRR01FLUS).

2006-09-06: One specimen was documented. No corals at this site were pale and 7% were bleached (U09FRR01FLUS).

Description

Atlantic Coast beaches and dunes. Some beaches are adjacent to dense development whereas others lie within managed natural areas.

TIDAL SWAMP AND MARINE UNCONSOLIDATED SUBSTRATE (TIDAL MUDFLATS).

Atlantic Coast beaches and dunes. Many are bordered by development, though some are protected as natural areas.

1994-Pre: No description given (B94DEY01FLUS).

Atlantic coast beaches and dunes.

2006-09-06: This was in the inshore zone at 5.2 meters. The habitat was recorded as "unclassified coral reef" (U09FRR01FLUS).

2006-09-06: This was in the inshore zone at 5.2 meters. The habitat was recorded as "unclassified coral reef" (U09FRR01FLUS).

Map Label

CARECARE*2
Caretta caretta

Scientific Name

Charadrius melodus
Piping Plover

Green Sea Turtle

Common Name

Loggerhead Sea Turtle

Global Rank

G3 S3 S2 S1? G1? G2 G4 G4 G4

Federal Status

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

State Listing

FT FT

Observation Date

2012 1987-04-19 2012 1994-PRE 2012 2006-09-06 2006-09-06 2006-09-06

EO Comments

Observed and likely nesting beaches from the Georgia border to Cape Florida State Park. From 2008-2012, the surveyed beaches had annual nesting densities ranging from 0.02 to 240.14 nests per km; the highest nesting densities were in the vicinities of J

1994-Pre: This species was collected here (B94DEY01FLUS).

Observed and likely nesting beaches from Georgia border to Cape Florida. Between 2008-2012, the surveyed beaches had annual nesting densities ranging from 0.03 to 20.75 nests per kilometer (U13FWC01FLUS). Nesting densities are highest on beaches in the

2006-09-06: One specimen was documented. No corals at this site were pale and 6% were bleached (U09FRR01FLUS).

2006-09-06: One specimen was documented. No corals at this site were pale and 7% were bleached (U09FRR01FLUS).

Description

Atlantic Coast beaches and dunes. Some beaches are adjacent to dense development whereas others lie within managed natural areas.

TIDAL SWAMP AND MARINE UNCONSOLIDATED SUBSTRATE (TIDAL MUDFLATS).

Atlantic Coast beaches and dunes. Many are bordered by development, though some are protected as natural areas.

1994-Pre: No description given (B94DEY01FLUS).

Atlantic coast beaches and dunes.

2006-09-06: This was in the inshore zone at 5.2 meters. The habitat was recorded as "unclassified coral reef" (U09FRR01FLUS).

2006-09-06: This was in the inshore zone at 5.2 meters. The habitat was recorded as "unclassified coral reef" (U09FRR01FLUS).

Common Name

Loggerhead Sea Turtle

Global Rank

G3 S3 S2 S1? G1? G2 G4 G4 G4

Federal Status

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

State Listing

FT FT

Observation Date

2012 1987-04-19 2012 1994-PRE 2012 2006-09-06 2006-09-06 2006-09-06

CHARMELO*7

Charadrius melodus

Piping Plover

G3

S3 S2 S1? G1? G2 G4 G4

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

2012 1987-04-19 2012 1994-PRE 2012 2006-09-06 2006-09-06 2006-09-06

CHELMYDA*1

Chelonia mydas

Green Sea Turtle

G3

S3 S2 S1? G1? G2 G4 G4

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

2012 1987-04-19 2012 1994-PRE 2012 2006-09-06 2006-09-06 2006-09-06

CYCLMIAM*3

Cyclocephala miamiensis

Miami Chafer Beetle

G1?

S1? S2 S3S4 S3S4 S3S4

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

2012 1987-04-19 2012 1994-PRE 2012 2006-09-06 2006-09-06 2006-09-06

DERMCOR*1

Dermochelys coriacea

Leatherback Sea Turtle

G2

S2 S3S4 S3S4 S3S4 S3S4

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

2012 1987-04-19 2012 1994-PRE 2012 2006-09-06 2006-09-06 2006-09-06

DIPLSTR*42

Diploria strigosa

Symmetrical Brain Coral

G4

S3S4 S3S4 S3S4 S3S4 S3S4

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

2006-09-06 2006-09-06 2006-09-06 2006-09-06 2006-09-06 2006-09-06 2006-09-06

DIPLSTR*43

Diploria strigosa

Symmetrical Brain Coral

G4

S3S4 S3S4 S3S4 S3S4 S3S4

LE, LT FT LT LE FE LE S1? S2 S3S4 S3S4 S3S4

2006-09-06 2006-09-06 2006-09-06 2006-09-06 2006-09-06 2006-09-06 2006-09-06



1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
www.fnai.org



FNAI ELEMENT OCCURRENCE REPORT on or near

City of Miami Beach

Global State Federal State Observation

Map Label	Scientific Name	Common Name	Rank	Status	Listing	Date	Description	EO Comments
DS*14212	Data Sensitive Element	Data Sensitive	G4?	S1	N	LE	2008-10-29	Data Sensitive
EGRCAER*85	<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	SSC	1992-02-18	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
EGRERUFE*15	<i>Egretta rufescens</i>	Reddish Egret	G4	S2	N	SSC	1987	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
EGRETHUL*74	<i>Egretta thula</i>	Snowy Egret	G5	S3	N	SSC	1992-02-18	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
EGRETRIC*80	<i>Egretta tricolor</i>	Tricolored Heron	G5	S4	N	SSC	1992-04-17	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
EUDOALBU*64	<i>Eudocimus albus</i>	White Ibis	G5	S4	N	SSC	1992-04-17	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
FALCCOLU*5	<i>Falco columbarius</i>	Merlin	G5	S2	N	N	1987	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
FALCPERE*10	<i>Falco peregrinus</i>	Peregrine Falcon	G4	S2	N	N	1986-01-18	BEACH DUNES, UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
GOPHPOLY*1061	<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	C	ST	1990-11-21	Utility right-of-way.



1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
www.fnai.org

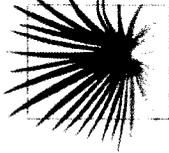
FNAI ELEMENT OCCURRENCE REPORT on or near

City of Miami Beach



Global State Federal State Observation

Map Label	Scientific Name	Common Name	Rank	Status	Listing	Observation Date	Description	EO Comments
HALILEUC*285	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	1987	No general description given	Nest status 1999-2003: Unknown/not assessed - 2003, 2002, 2001, 2000, 1999; Status 1995-98: Inactive - 1998; Unknown/not assessed - 1997, 1996, 1995; (U03FWC01FLUS). Previous data (note different format) NEST GONE IN 1980, BUT BIRDS IN TERRITORY IN 1981.
HALOJOHN*3	<i>Halophila johnsonii</i>	Johnson's Seagrass	G2	S2	LT	1974-04-02	No general description given	1974-04-02: CLUMPS ASSOCIATED WITH HALODULE (A80EIS01FLUS).
HETESABL*1	<i>Heterachthes sablensis</i>	Mangrove Long-Horned Beetle	G4G5	S1	N	1994-PRE	1994-Pre: No description given (B94DEY01FLUS).	1994-Pre: This species was collected in May and June (B94DEY01FLUS).
HYDRACASP*2	<i>Hydroprogne caspia</i>	Caspian Tern	G5	S2	N	1987	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	NEVILLE REPORTS AREA USED REGULARLY IN WINTER, PRESUMABLY A REGULAR FEEDING/LOAFING AREA.
JACORECL*19	<i>Jacquemontia reclinata</i>	Beach Jacquemontia	G1	S1	LE	2008-10-29	Plants are near a trail in coastal strand with moderate restoration disturbance; occurring with <i>Colubrina asiatica</i> (F08LOC02FLUS).	2008-10-29: 2-10 plants in flower/fruit (F08LOC02FLUS).
LINSALBO*2	<i>Linsleyonides albomaculatus</i>	Tropical White-Spotted Long-Horned Beetle	G2G4	S1	N	1994-PRE	This species was found in tropical hardwood hammocks (B94DEY01FLUS).	1994-Pre: Only a few specimens have been collected (B94DEY01FLUS).
MARIHAMM*125	Maritime hammock		G3	S2	N	1999	TROPICAL HAMMOCK WITH 25-50' CANOPY. SOME CASUARINA.	1999: Update to last obs date was based on interpretation of aerial photography (previous value was 1990-04-17) (U05FNA02FLUS). CANOPY TREES: FICUS AUREA, COCCOLOBA UVIFERA, MASTICHODENDRON FOETIDISSIMUM, SABAL PALMETTO, GUAPIRA DISCOLOR. UNDERSTORY: EUG
MEANMEAN*10	<i>Meandrina meandrites</i>	Butterprint Brain Coral	G4	S3S4	N	2008-09-22	This was in the inshore zone at 6.6 meters. The habitat was recorded as "unclassified coral reef" (U09FRR01FLUS).	2008-09-22: One specimen was documented. Approximately 8% of all corals at this site were pale and none were bleached (U09 (U09FRR01FLUS)).



1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
www.fnai.org

FLORIDA
NATURAL AREAS
INVENTORY

FNAI ELEMENT OCCURRENCE REPORT on or near

City of Miami Beach



Global State Federal State Observation

Map Label	Scientific Name	Common Name	Rank	SNR	Status	Listing	Date	Description	EO Comments
MIGRAREA*2	Migratory Bird Concentration Area		G3	SNR	N	N	1992-04-17	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	FEEDING/LOAFING SITE FOR SHOREBIRDS AND WADING BIRDS. APPROX. 300-800 BIRDS SEEN FROM DEC-MAY. SURVEY RESULTS ATTACHED. USED BY GULLS AND SKIMMER DURING VERY LOW TIDES.
MONTCAVE*14	<i>Montastraea cavernosa</i>	Great Star Coral	G5	S3S4	N	N	2008-09-22	2008-09-22: This was in the inshore zone at 6.6 meters. The habitat was recorded as "unclassified coral reef" (U09FRR01FLUS).	2008-09-22: One specimen was documented. Approximately 8% of all corals at this site were pale and none were bleached (U09 (U09FRR01FLUS)).
MONTCAVE*76	<i>Montastraea cavernosa</i>	Great Star Coral	G5	S3S4	N	N	2007-09-06	2007-09-06: This was in the inshore zone at 4.6 meters. The habitat was recorded as "unclassified coral reef" (U09FRR01FLUS).	2007-09-06: Five specimens were documented. Approximately 42% of all corals at this site were pale and 13% were bleached (U09 (U09FRR01FLUS)).
NYCTNYCT*24	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	G5	S3	N	N	1987	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	NEVILLE REPORTS AREA IS USED REGULARLY IN WINTER. PRESUMABLY A REGULAR FEEDING/LOAFING AREA.
NYCTVIOL*11	<i>Nyctanassa violacea</i>	Yellow-crowned Night-heron	G5	S3	N	N	1987	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	NEVILLE REPORTS AREA USED REGULARLY IN WINTER. PRESUME REGULAR FEEDING/LOAFING AREA.
OKENHYPO*5	<i>Okenia hypogaea</i>	Burrowing Four-o'clock	G3?	S2	N	LE	2003-09-26	2003-09-26: Disturbed coastal dune (F03FTG01FLUS). TRANSITION ZONE BETWEEN DUNE VEGETATION & OPEN BEACH.	2003-09-26: Approximately 50 plants in the north polygons (F03FTG01FLUS). 1980-04-28: SMALL QUANTITY (P83AVE01FLUS).
PANDHALI*104	<i>Pandion haliaetus</i>	Osprey	G5	S3S4	N	SSC*	1990-11-15	parking lot of a marina	1990-11-15: M.S. Robson, GFC, observation, pair at nest
PANDHALI*25	<i>Pandion haliaetus</i>	Osprey	G5	S3S4	N	SSC*	1991-04-16	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	1991-04-16: 1 BIRD SEEN ON SURVEY OF VIRGINIA KEY CRITICAL WILDLIFE AREA (PNDR0B06). NEVILLE REPORTS AREA USED REGULARLY IN WINTER. PRESUMABLY REGULAR FEEDING/LOAFING AREA.
PELEOCCI*38	<i>Pelecanus occidentalis</i>	Brown Pelican	G4	S3	N	SSC	1992-04-17	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.	1992-04-17: 1 BIRD SEEN (PNDR0B06). NEVILLE REPORTS AREA USED REGULARLY IN WINTER. PRESUMABLY A REGULAR FEEDING/LOAFING AREA.



**FNAI ELEMENT OCCURRENCE REPORT on or near
City of Miami Beach**

1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
www.fnai.org



EO Comments

1990-09-13: M.S. Robson, GFC, observed 4 adults on the island and 4 adults in the main cove.
SPECIMEN(S) COLLECTED BY C.R. ROBINS ON 8 NOV 1960 (UMML-7624).

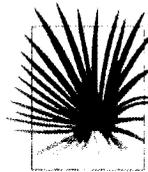
1991-04-16: 59 BIRDS SEEN;
1992-02-18: 4 BIRDS SEEN DURING FULL MOON LOW TIDE (PNDROB06). NEVILLE REPORTS AREA USED REGULARLY IN WINTER. PRESUMABLY REGULAR FEEDING/LOAFING AREA.

1991-04-16: BIRDS SEEN IN MANGROVES, NESTING SUSPECTED (PNDROB06). NEVILLE REPORTS AREA USED REGULARLY IN WINTER.

1991-04-16: 5 BIRDS SEEN (PNDROB06). NEVILLE REPORTS AREA USED REGULARLY IN WINTER. PRESUMABLY REGULAR FEEDING/LOAFING AREA.

1992-02-18: two birds seen during full moon low tide (PNDROB06FLUS). Neville reports area used regularly in winter. Presumably a regular feeding/loafing area (PNDROB06FLUS). 1991-04-16: one bird seen (PNDROB06FLUS).
1987: Neville reports area used regularly in winter. Presumably a regular feeding/loafing area (PNDNEV01FLUS).

Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	Observation Date	Description
PLATAJAJ*62	<i>Platalea ajaja</i>	Roseate Spoonbill	G5	S2	N	1990-09-13	Tidal swamp
RIVUMARM*22	<i>Rivulus marmoratus</i>	Mangrove Rivulus	G4G5	S3	SC	1960-11-08	No general description given
RYNCNIGE*7	<i>Rynchops niger</i>	Black Skimmer	G5	S3	N	1992-02-18	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
SETOPALU*13	<i>Setophaga discolor paludicola</i>	Florida Prairie Warbler	G5T3	S3	N	1991-04-16	TIDAL SWAMP
STERANTI*12	<i>Sternula antillarum</i>	Least Tern	G4	S3	ST	1991-04-16	UNCONSOLIDATED MARINE SUBSTRATES, TIDAL SWAMP.
THALMAXI*1	<i>Thalasseus maximus</i>	Royal Tern	G5	S3	N	1992-02-18	1992-02-18: unconsolidated marine substrates, tidal swamp (PNDROB06FLUS).
THALSAND*1	<i>Thalasseus sandvicensis</i>	Sandwich Tern	G5	S2	N	1987	1987: unconsolidated marine substrates, tidal swamp (PNDNEV01FLUS).



1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax

FLORIDA
Natural Areas
INVENTORY

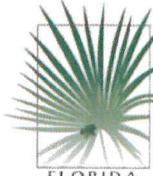
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Documented					
<i>Aphrissa neleis</i>	Pink-spot Sulphur	GU	SU	N	N
<i>Caretta caretta</i>	Loggerhead Sea Turtle	G3	S3	LE, LT	FT
<i>Diploria strigosa</i>	Symmetrical Brain Coral	G4	S3S4	N	N
<i>Montastraea cavernosa</i>	Great Star Coral	G5	S3S4	N	N
Likely					
<i>Chelonia mydas</i>	Green Sea Turtle	G3	S2	LE	FE
<i>Dermochelys coriacea</i>	Leatherback Sea Turtle	G2	S2	LE	FE
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	LE	FE
<i>Halophila johnsonii</i>	Johnson's Seagrass	G2	S2	LT	N
<i>Trichechus manatus</i>	Manatee		S2	LE	FE
Potential					
<i>Aphodius troglodytes</i>	Gopher Tortoise Aphodius Beetle	G2G3	S2	N	N
<i>Ataenius wenzelii</i>	An Ataenius Beetle	G3G5	S2S3	N	N
<i>Athene cucularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	SSC
<i>Bolbocerosoma hamatum</i>	Bicolored Burrowing Scarab Beetle	G3G4	S3	N	N
<i>Chamaesyce cumulicola</i>	Sand-dune Spurge	G2	S2	N	LE
<i>Charadrius melodus</i>	Piping Plover	G3	S2	LT	FT
<i>Conradina grandiflora</i>	Large-flowered Rosemary		S3	N	LT
<i>Crocodylus acutus</i>	American Crocodile	G2	S2	LT	FT
<i>Ctenogobius stigmaturus</i>	Spottail Goby		S2	N	N
<i>Cyclocephala miamiensis</i>	Miami Chafer Beetle	G1?	S1?	N	N
<i>Dalea carthagenensis var. floridana</i>	Florida Prairie Clover	G5T1	S1	C	LE
<i>Elytraria caroliniensis var. angustifolia</i>	Narrow-leaved Carolina Scalystem	G4T2	S2	N	N
<i>Encyclia cochleata var. triandra</i>	Clamshell Orchid	G4G5T2	S2	N	LE
<i>Eretmochelys imbricata</i>	Hawksbill Sea Turtle	G3	S1	LE	FE
<i>Falco columbarius</i>	Merlin	G5	S2	N	N
<i>Falco peregrinus</i>	Peregrine Falcon	G4	S2	N	N
<i>Forestiera segregata var. pinetorum</i>	Florida Pinewood Privet	G4T2	S2	N	N
<i>Gambusia rhizophorae</i>	Mangrove Gambusia	G3	S3	N	N
<i>Glandularia maritima</i>	Coastal Vervain		S3	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise		S3	C	ST
<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	N
<i>Jacquemontia curtissii</i>	Pineland Jacquemontia	G2	S2	N	LT
<i>Jacquemontia reclinata</i>	Beach Jacquemontia	G1	S1	LE	LE
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Linsleyonides albomaculatus</i>	Tropical White-Spotted Long-Horned I	G2G4	S1	N	N
<i>Pandion haliaetus</i>	Osprey	G5	S3S4	N	SSC*
<i>Phyllanthus pentaphyllus var. floridanus</i>	Florida Five-petaled Leaf-flower	G4T2	S2	N	N
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rallus longirostris scottii</i>	Florida Clapper Rail	G5T3?	S3?	N	N
<i>Rivulus marmoratus</i>	Mangrove Rivulus	G4G5	S3	SC	SSC
<i>Roystonea elata</i>	Florida Royal Palm	G2G3	S2	N	LE
<i>Setophaga discolor paludicola</i>	Florida Prairie Warbler	G5T3	S3	N	N
<i>Swietenia mahagoni</i>	West Indies Mahogany	G3G4	S3	N	LT
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	C	LE
<i>Zephyranthes simpsonii</i>	Redmargin Zephyrlily	G2G3	S2S3	N	LT

Definitions: Documented - Rare species and natural communities documented on or near this site.
 Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.
 Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.
 Potential - This site lies within the known or predicted range of the species listed.



1018 Thomasville Road
 Suite 200-C
 Tallahassee, FL 32303
 (850) 224-8207
 (850) 681-9364 Fax

FLORIDA
Natural Areas
 INVENTORY

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
-----------------	-------------	-------------	------------	----------------	---------------

Definitions: Documented - Rare species and natural communities documented on or near this site.
 Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.
 Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.
 Potential - This site lies within the known or predicted range of the species listed.

Elements and Element Occurrences

An **element** is any exemplary or rare component of the natural environment, such as a species, natural community, bird rookery, spring, sinkhole, cave, or other ecological feature.

An **element occurrence (EO)** is an area of land and/or water in which a species or natural community is, or was, present. An EO should have practical conservation value for the Element as evidenced by potential continued (or historical) presence and/or regular recurrence at a given location.

Element Ranking and Legal Status

Using a ranking system developed by NatureServe and the Natural Heritage Program Network, the Florida Natural Areas Inventory assigns two ranks for each element. The global rank is based on an element's worldwide status; the state rank is based on the status of the element in Florida. Element ranks are based on many factors, the most important ones being estimated number of Element Occurrences (EOs), estimated abundance (number of individuals for species; area for natural communities), geographic range, estimated number of adequately protected EOs, relative threat of destruction, and ecological fragility.

FNAI GLOBAL ELEMENT RANK

- G1** = Critically imperiled globally because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.
- G2** = Imperiled globally because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.
- G3** = Either very rare and local throughout its range (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.
- G4** = Apparently secure globally (may be rare in parts of range).
- G5** = Demonstrably secure globally.
- GH** = Of historical occurrence throughout its range, may be rediscovered (e.g., ivory-billed woodpecker).
- GX** = Believed to be extinct throughout range.
- GXC** = Extirpated from the wild but still known from captivity or cultivation.
- G#?** = Tentative rank (e.g., G2?).
- G#G#** = Range of rank; insufficient data to assign specific global rank (e.g., G2G3).
- G#T#** = Rank of a taxonomic subgroup such as a subspecies or variety; the G portion of the rank refers to the entire species and the T portion refers to the specific subgroup; numbers have same definition as above (e.g., G3T1).
- G#Q** = Rank of questionable species - ranked as species but questionable whether it is species or subspecies; numbers have same definition as above (e.g., G2Q).
- G#T#Q** = Same as above, but validity as subspecies or variety is questioned.
- GU** = Unrankable; due to a lack of information no rank or range can be assigned (e.g., GUT2).
- GNA** = Ranking is not applicable because the element is not a suitable target for conservation (e.g. a hybrid species).
- GNR** = Element not yet ranked (temporary).
- GNRTNR** = Neither the element nor the taxonomic subgroup has yet been ranked.

FNAI STATE ELEMENT RANK

- S1** = Critically imperiled in Florida because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.
- S2** = Imperiled in Florida because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.
- S3** = Either very rare and local in Florida (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.
- S4** = Apparently secure in Florida (may be rare in parts of range).
- S5** = Demonstrably secure in Florida.
- SH** = Of historical occurrence in Florida, possibly extirpated, but may be rediscovered (e.g., ivory-billed woodpecker).
- SX** = Believed to be extirpated throughout Florida.
- SU** = Unrankable; due to a lack of information no rank or range can be assigned.
- SNA** = State ranking is not applicable because the element is not a suitable target for conservation (e.g. a hybrid species).
- SNR** = Element not yet ranked (temporary).

FEDERAL LEGAL STATUS

Legal status information provided by FNAI for information only. For official definitions and lists of protected species, consult the relevant federal agency.

Definitions derived from U.S. Endangered Species Act of 1973, Sec. 3. Note that the federal status given by FNAI refers only to Florida populations and that federal status may differ elsewhere.

C = Candidate species for which federal listing agencies have sufficient information on biological vulnerability and threats to support proposing to list the species as Endangered or Threatened.

LE = Endangered: species in danger of extinction throughout all or a significant portion of its range.

LE, LT = Species currently listed endangered in a portion of its range but only listed as threatened in other areas

LE, PDL = Species currently listed endangered but has been proposed for delisting.

LE, PT = Species currently listed endangered but has been proposed for listing as threatened.

LE, XN = Species currently listed endangered but tracked population is a non-essential experimental population.

LT = Threatened: species likely to become Endangered within the foreseeable future throughout all or a significant portion of its range.

SAT = Treated as threatened due to similarity of appearance to a species which is federally listed such that enforcement personnel have difficulty in attempting to differentiate between the listed and unlisted species.

SC = Not currently listed, but considered a "species of concern" to USFWS.

STATE LEGAL STATUS

Provided by FNAI for information only. For official definitions and lists of protected species, consult the relevant state agency.

Animals: Definitions derived from "Florida's Endangered Species and Species of Special Concern, Official Lists" published by Florida Fish and Wildlife Conservation Commission, 1 August 1997, and subsequent updates.

FE = Listed as Endangered Species at the Federal level by the U. S. Fish and Wildlife Service

FT = Listed as Threatened Species at the Federal level by the U. S. Fish and Wildlife Service

F(XN) = Federal listed as an experimental population in Florida

FT(S/A) = Federal Threatened due to similarity of appearance

ST = State population listed as Threatened by the FFWCC. Defined as a species, subspecies, or isolated population which is acutely vulnerable to environmental alteration, declining in number at a rapid rate, or whose range or habitat is decreasing in area at a rapid rate and as a consequence is destined or very likely to become an endangered species within the foreseeable future. (ST* for *Ursus americanus floridanus* (Florida black bear) indicates that this status does not apply in Baker and Columbia counties and in the Apalachicola National Forest. ST* for *Neovison vison* pop.1 (Southern mink, South Florida population) indicates that this status applies to the Everglades population only.)

SSC = Listed as Species of Special Concern by the FFWCC. Defined as a population which warrants special protection, recognition, or consideration because it has an inherent significant vulnerability to habitat modification, environmental alteration, human disturbance, or substantial human exploitation which, in the foreseeable future, may result in its becoming a threatened species. (SSC* indicates that a species has SSC status only in selected portions of its range in Florida. SSC* for *Pandion haliaetus* (Osprey) indicates that this status applies in Monroe county only.)

N = Not currently listed, nor currently being considered for listing.

Plants: Definitions derived from Sections 581.011 and 581.185(2), Florida Statutes, and the Preservation of Native Flora of Florida Act, 5B-40.001. FNAI does not track all state-regulated plant species; for a complete list of state-regulated plant species, call Florida Division of Plant Industry, 352-372-3505 or see: <http://www.doacs.state.fl.us/pi/>.

LE = Endangered: species of plants native to Florida that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue; includes all species determined to be endangered or threatened pursuant to the U.S. Endangered Species Act.

LT = Threatened: species native to the state that are in rapid decline in the number of plants within the state, but which have not so decreased in number as to cause them to be Endangered.

N = Not currently listed, nor currently being considered for listing.

Element Occurrence Ranking

FNAI ranks of quality of the element occurrence in terms of its viability (EORANK). Viability is estimated using a combination of factors that contribute to continued survival of the element at the location. Among these are the size of the EO, general condition of the EO at the site, and the conditions of the landscape surrounding the EO (e.g. an immediate threat to an EO by local development pressure could lower an EO rank).

- A** = Excellent estimated viability
- A?** = Possibly excellent estimated viability
- AB** = Excellent or good estimated viability
- AC** = Excellent, good, or fair estimated viability
- B** = Good estimated viability
- B?** = Possibly good estimated viability
- BC** = Good or fair estimated viability
- BD** = Good, fair, or poor estimated viability
- C** = Fair estimated viability
- C?** = Possibly fair estimated viability
- CD** = Fair or poor estimated viability
- D** = Poor estimated viability
- D?** = Possibly poor estimated viability
- E** = Verified extant (viability not assessed)
- F** = Failed to find
- H** = Historical
- NR** = Not ranked, a placeholder when an EO is not (yet) ranked.
- U** = Unrankable
- X** = Extirpated

*For additional detail on the above ranks see: <http://www.natureserve.org/explorer/eorankguide.htm>

FNAI also uses the following EO ranks:

- H?** = Possibly historical
- F?** = Possibly failed to find
- X?** = Possibly extirpated

The following offers further explanation of the H and X ranks as they are used by FNAI:

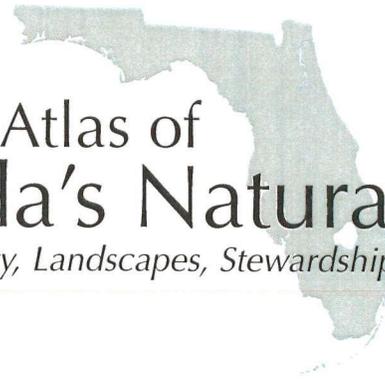
The rank of H is used when there is a lack of recent field information verifying the continued existence of an EO, such as (a) when an EO is based only on historical collections data; or (b) when an EO was ranked A, B, C, D, or E at one time and is later, without field survey work, considered to be possibly extirpated due to general habitat loss or degradation of the environment in the area. This definition of the H rank is dependent on an interpretation of what constitutes "recent" field information. Generally, if there is no known survey of an EO within the last 20 to 40 years, it should be assigned an H rank. While these time frames represent suggested maximum limits, the actual time period for historical EOs may vary according to the biology of the element and the specific landscape context of each occurrence (including anthropogenic alteration of the environment). Thus, an H rank may be assigned to an EO before the maximum time frames have lapsed. Occurrences that have not been surveyed for periods exceeding these time frames should not be ranked A, B, C, or D. The higher maximum limit for plants and communities (i.e., ranging from 20 to 40 years) is based upon the assumption that occurrences of these elements generally have the potential to persist at a given location for longer periods of time. This greater potential is a reflection of plant biology and community dynamics. However, landscape factors must also be considered. Thus, areas with more anthropogenic impacts on the environment (e.g., development) will be at the lower end of the range, and less-impacted areas will be at the higher end.

The rank of X is assigned to EOs for which there is documented destruction of habitat or environment, or persuasive evidence of eradication based on adequate survey (i.e., thorough or repeated survey efforts by one or more experienced observers at times and under conditions appropriate for the Element at that location).



Atlas of Florida's Natural Heritage

Biodiversity, Landscapes, Stewardship, and Opportunities



The Florida Natural Areas Inventory is pleased to announce the publication of the ***Atlas of Florida's Natural Heritage: Biodiversity, Landscapes, Stewardship, and Opportunities***. This high-quality, full-color *Atlas* is sure to become a standard reference for anyone involved in the conservation, management, study, or enjoyment of Florida's rich natural resources. We hope the *Atlas* will inspire, educate, and raise awareness of and interest in biodiversity and conservation issues.



*Institute of Science
and Public Affairs*



AUDIENCE:

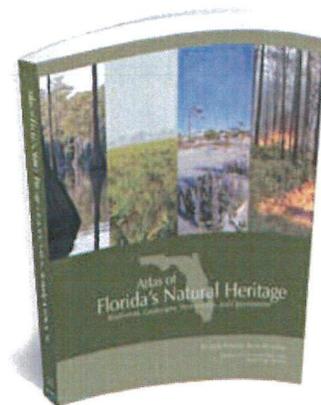
The ***Atlas of Florida's Natural Heritage: Biodiversity, Landscapes, Stewardship, and Opportunities*** was envisioned as a resource that would appeal to a wide-ranging audience. Through its use of colorful maps, graphics, and photography, Florida's Natural Heritage and appeal is dramatically highlighted. It is intended to appeal to a wide audience. Hopefully, it will increase awareness of the resources we take for granted, and the challenges we face in preserving them.

It is for those who are informed, interested, and/or influential in environmental issues, but may lack specific information and expertise. These may include planners, policymakers, and environmental/conservation advocates from the local to state level. It is also for environmental/conservation/natural resource managers. While the atlas may not provide "new information" to this audience, it will serve as a useful reference that brings many of the elements of biodiversity together in one publication. The final audience are the citizens of Florida and those who may visit our state.

We want the atlas to inspire, educate, and raise awareness of and the interest in biodiversity and conservation issues. Florida's biodiversity is not only important to maintain our quality of life, but it is a primary reason why so many people visit our state.

FEATURES INCLUDE:

- 176 pages, 10" x 12" format, soft cover and hard cover editions
- Visually striking presentation with hundreds of maps, photos, illustrations, and other information-rich graphics
- Wide-ranging overview of natural communities and over 400 species of plants, and animals
- Coverage of timely conservation and land management issues



Learn more about the *Atlas*, view sample pages and order your copy today at:

FloridasNaturalHeritage.org

Exhibit L – Beach Erosion Hot Spots Map

87 Street

83 Street

79 Street

68 Street

64 Street

55 Street

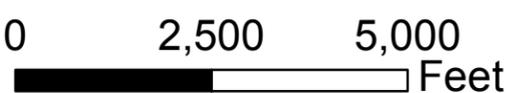
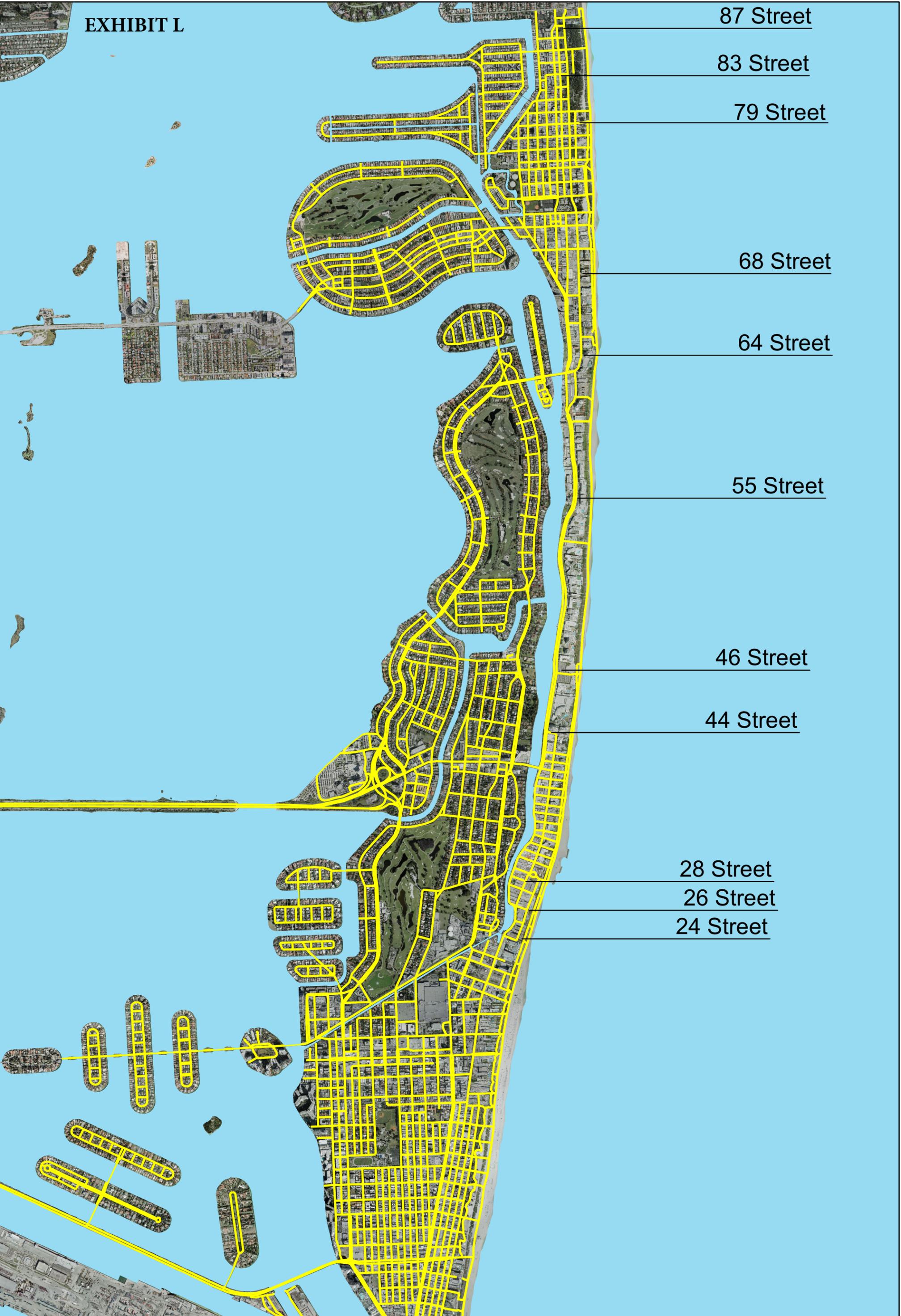
46 Street

44 Street

28 Street

26 Street

24 Street



City of Miami Beach
Beach Erosional Hot Spots



**Exhibit M – City of Miami Beach Rope and Post/Sand
Fencing Standard Operating Procedures**

Exhibit M – City of Miami Beach Dune Rope and Post/Sand Fencing Standard Operating Procedures

The City of Miami Beach is recognized as a world-class tourism destination whose reputation depends partially on its cleanliness and pristine aesthetic. The condition of the City's beach and dune system is particularly important due to their key role in the local tourism industry, the City's economy, and their function in protecting upland properties from erosion and storm surge. City staff has identified the condition of the sand fencing and rope and post protecting the City's dunes as an area that needs improvement.

The purpose of this document is to streamline and to standardize rope and post and sand fencing management, inspection, and maintenance across all City Departments. The management responsibility for the City's dunes and beaches lies with the City's Environment and Sustainability staff. Environment and Sustainability staff works with the City's Field Monitor, who is housed in the City's Asset Management Division, to conduct monthly beach inspections during which deficiencies in the rope and post or sand fencing are identified, among other observations. It is also the responsibility of City staff to identify and report deficiencies in City property during their regular operations. The maintenance of signage, sand fencing, and the rope and post lies with the City's Property Management Division.

When the Field Monitor or other City staff identifies a deficiency in the rope and post or sand fencing, they are responsible for submitting a Property Management Request detailing the deficiency and its location within 48 hours. The Property Management Division is then responsible for responding to the request in accordance with their Division's Standard Operating Procedures. The City's Property Management Division is responsible for conducting an inventory of the City's property, including beach assets like rope and post or sand fencing, at least once per year to properly budget and allocate resources for the upcoming Fiscal Year.

The City's existing rope and post is composed of 3-Strand 100% Cotton or Nylon Rope and 4x4x8 Pressure Treated Wood that are spaced 10 feet apart, with the center/dip of the rope laying 3 feet above finished grade. The rope should be cut in 30 to 40 foot long segments and attached to the posts with screws to reduce the chance of theft. Excess rope shall be wrapped beneath the hole in the post and wrapped around the post. The City's sand fencing is composed of 4'x50' Rolls of 5 wires 13 gauge, 3/8"X1-1/2" Aspen Lath 2-1/4" spacing Natural. The City experiences three typical conditions in relation to sand fencing and rope and post. The Property Management Division's resources and manpower should be prioritized to address these conditions as listed below:

1. Rope and post or sand fencing is non-existent.

When Property Management staff identifies or receives Property Management Requests for unprotected dune areas, these areas must be immediately prioritized for new rope and post. New sand fencing shall only be installed in areas west of the dune vegetation where sand fencing already exists and the unprotected area requires no more than 500 linear feet of new fencing.

2. Rope and post or sand fencing is in disrepair.

When Property Management staff identifies or receives Property Management Requests for sections of rope and post or sand fencing in disrepair, these areas must be prioritized for new rope and post. Disrepair includes moldy rope, torn rope, broken posts and other similar structural or cosmetic damage. Sand fencing shall only be replaced in areas west of the dune vegetation where damaged sand fencing does not exceed 500 linear feet in length.

3. Dune has outgrown the rope and post or sand fencing limits.

Property Management staff shall repair or install new rope and post and sand fencing as specified above regardless of whether or not the dune has outgrown its existing boundaries. However, they should document areas where the dune has outgrown the rope and post or sand fencing for future action. Only when Property Management staff has satisfactorily addressed all areas of missing or damaged rope and post and sand fencing throughout the City, shall Property Management staff contact the Environment and Sustainability Division to discuss the inventoried areas and determine which areas are appropriate candidates for extending the limits of the rope and post eastward.

Modification of the dune limits requires Environment and Sustainability staff's review and approval. A dune modification will generally be considered appropriate if moving the rope and post will not impact the minimum required emergency vehicle lane width or the approved footprint of the adjacent beach concession operations. The City's known critical erosion hot spots shall not be considered viable locations for the eastward expansion of the dune rope and post (Beachfront Management Plan Exhibit L).

When the dune vegetation outgrows the sand fencing limits, City staff should contact Environment and Sustainability staff to review the area and determine if trimming is appropriate. If the trimming request is approved, Environmental staff will coordinate with the Greenspace Management Division to request that the overgrown vegetation be trimmed back by in-house staff or the landscaping maintenance contractor per the provisions of the City's dune management plan.

For any questions or concerns, please contact Environment and Sustainability staff for further guidance.

Exhibit N – Mobi-Mat Locations on the Beach

EXHIBIT N - MOBI - MATS LOCATIONS ON THE BEACH

	LOCATION	LINEAL FEET
1	BEHIND JETTY TOWER	86' 1 - 50' MAT AND 1 - 33'
2	BEHIND 1ST TOWER	84' 1 - 50' MAT AND 1 - 33'
3	5TH STREET ENTRANCE	117' 2 - 50' MATS AND 1 - 33'
4	8TH STREET ENTRANCE	317' 6 - 50' MATS AND 1 - 33'
5	6TH STREET	293' 6 - 50' MATS
6	10TH STREET	138' 2 - 50' AND 1 - 33'
7	14TH STREET	222' 4 - 50' AND 1 - 33'
8	15TH STREET	50' 1 - 50' MAT
9	LINCOLN RD.	50' 1 - 50 MAT
10	17TH STREET	67' 1 - 50' MAT AND 1 - 33'
11	19TH STREET	99' 2 - 50' MAT
12	64TH STREET	82' 1 - 50' AND 1 - 33'
13	69TH STREET	85' 1 - 50' AND 1 - 33'
14	72ND STREET	100' 2 - 50' MATS
15	74TH STREET	149' 3 - 50' MATS
16	79TH STREET ENTRANCE	183' 3 - 50' AND 1 - 33'

37 - 50' MATS

10 - 33' MATS

Exhibit O – Life Guard Stands Map

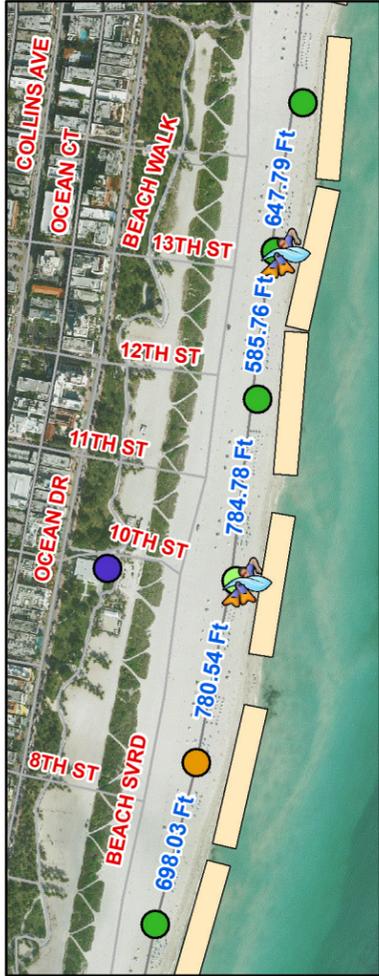
Miami Beach Lifeguard Towers



S Pointe Park to 7th Street



7th Street to 14th Street



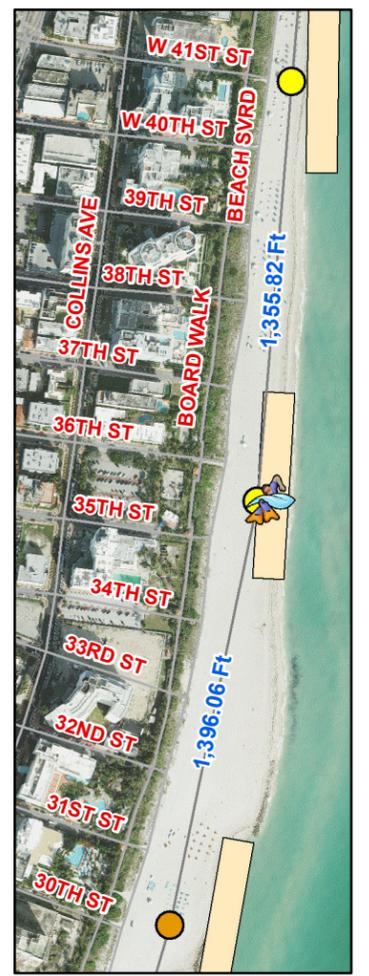
14th Street to 21st Street



21st Street to 30th Street



30th Street to W 41st Street



W 41st Street to W 46th Street



W 46th Street to W 53rd Street



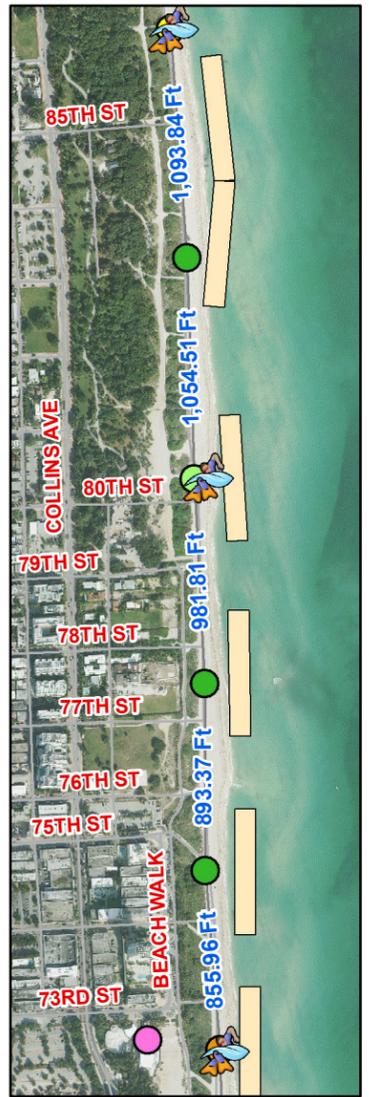
W 53rd Street to 64th Street



64th Street to 72nd Street



72nd Street to 85th Street



Legend

- Swim Rope
- Main Headquarters; No PWC; No ATV Available
- Sub Headquarters, No PWC; No ATV Available
- Double Occupancy: PWC on site; ATV Available
- Double Occupancy; PWC on site; No ATV Available
- Double Occupancy; No PWC; No ATV Available
- Single Occupancy; PWC on site; ATV Available
- Single Occupancy; No PWC; No ATV Available
- Single Occupancy; No PWC; ATV Available
- Distance between Towers
- Restricted Swim Area



Exhibit P – 10-Year Beach Management Budget

Exhibit P - 10-Year Beach Management Budget											
Activity	Year 1 FY 14/15	Year 2 FY 15/16	Year 3 FY 16/17	Year 4 FY 17/18	Year 5 FY 18/19	Year 6 FY 19/20	Year 7 FY 20/21	Year 8 FY 21/22	Year 9 FY 22/23	Year 10 FY 23/24	Totals
Operating Budgets											
Ocean Rescue	\$10,715,000.00	\$11,036,450.00	\$11,367,543.50	\$11,708,569.81	\$12,059,826.90	\$12,421,621.71	\$12,794,270.36	\$13,178,098.47	\$13,573,441.42	\$13,980,644.66	\$122,835,466.82
Environment & Sustainability	\$800,000.00	\$824,000.00	\$848,720.00	\$874,181.60	\$900,407.05	\$927,419.26	\$955,241.84	\$983,899.09	\$1,013,416.07	\$1,043,818.55	\$9,171,103.45
Asset Management	\$200,000.00	\$206,000.00	\$212,180.00	\$218,545.40	\$225,101.76	\$231,854.81	\$238,810.46	\$245,974.77	\$253,354.02	\$260,954.64	\$2,292,775.86
Other Beach Administrative Costs	\$165,000.00	\$169,950.00	\$175,048.50	\$180,299.96	\$185,708.95	\$191,280.22	\$197,018.63	\$202,929.19	\$209,017.06	\$215,287.58	\$1,891,540.09
Maintenance											
Miami-Dade County Beach Operations	\$2,000,000.00	\$2,060,000.00	\$2,121,800.00	\$2,185,454.00	\$2,251,017.62	\$2,318,548.15	\$2,388,104.59	\$2,459,747.73	\$2,533,540.16	\$2,609,546.37	\$22,927,758.62
Sanitation Beachwalk Litter	\$321,862.00	\$321,862.00	\$321,862.00	\$321,862.00	\$321,862.00	\$321,862.00	\$321,862.00	\$321,862.00	\$321,862.00	\$321,862.00	\$3,218,620.00
Sanitation Boardwalk Litter	\$127,850.00	\$127,850.00	\$127,850.00	\$127,850.00	\$127,850.00	\$127,850.00	\$127,850.00	\$127,850.00	\$127,850.00	\$127,850.00	\$1,278,500.00
Sanitation NBRC Litter	\$211,722.00	\$211,722.00	\$211,722.00	\$211,722.00	\$211,722.00	\$211,722.00	\$211,722.00	\$211,722.00	\$211,722.00	\$211,722.00	\$2,117,220.00
Sanitation Beach Spoil Litter	\$43,672.00	\$43,672.00	\$43,672.00	\$43,672.00	\$43,672.00	\$43,672.00	\$43,672.00	\$43,672.00	\$43,672.00	\$43,672.00	\$436,720.00
Boardwalk Maintenance	\$165,000.00	\$169,950.00	\$175,048.50	\$180,299.96	\$185,708.95	\$191,280.22	\$197,018.63	\$202,929.19	\$209,017.06	\$215,287.58	\$1,891,540.09
Rope & Post/Fencing Maintenance	\$60,000.00	\$61,800.00	\$63,654.00	\$65,563.62	\$67,530.53	\$69,556.44	\$71,643.14	\$73,792.43	\$76,006.20	\$78,286.39	\$687,832.76
Beachfront Bathroom Maintenance	\$564,649.46	\$581,588.94	\$599,036.61	\$617,007.71	\$635,517.94	\$654,583.48	\$674,220.98	\$694,447.61	\$715,281.04	\$736,739.47	\$6,473,073.26
Beach Shower Maintenance	\$750,000.00	\$772,500.00	\$795,675.00	\$819,545.25	\$844,131.61	\$869,455.56	\$895,539.22	\$922,405.40	\$950,077.56	\$978,579.89	\$8,597,909.48
Mobi-Mat Maintenance	\$50,000.00	\$51,500.00	\$53,045.00	\$54,636.35	\$56,275.44	\$57,963.70	\$59,702.61	\$61,493.69	\$63,338.50	\$65,238.66	\$573,193.97
Coastal Park Maintenance	\$815,748.52	\$815,748.52	\$815,748.52	\$815,748.52	\$823,931.32	\$823,931.32	\$823,931.32	\$865,127.89	\$865,127.89	\$865,127.87	\$8,330,171.69
Environment & Sustainability											
Dune Restoration, Enhancement & Maintenance	\$396,000.00	\$130,000.00	\$133,900.00	\$137,917.00	\$142,054.51	\$146,316.15	\$150,705.63	\$155,226.80	\$159,883.60	\$164,680.11	\$1,716,683.80
Beachwalk II, Phase II		\$3,500,000.00									\$3,500,000.00
Boardwalk			\$13,000,000.00								\$13,000,000.00
MBRC	\$139,196.00	\$7,919,969.70	\$4,264,599.07								\$12,323,764.77
Miami-Dade County Erosion Control											
46 Street Renourishment	\$850,000.00										\$850,000.00
53 Street Renourishment	\$350,000.00										\$350,000.00
29 Street & 87 Street Breakwaters											\$0.00
64 Street Reef Ball Project											\$0.00
Parks and Recreation*											
Fully-Accessible Beach											\$500,000.00
Allison Park Redesign & Redevelopment											\$235,000.00
Altos Del Mar Redevelopment											\$2,900,000.00
Beachview Park Playground Maintenance											\$250,000.00
Lummas Park Upgrades											\$179,422.40
Marjorie Stoneman Douglas Park Upgrades											\$7,329.63
North Shore Bandshell Upgrades											\$400,000.00
North Shore Open Space Park Upgrades											\$185,000.00
South Pointe Park Upgrades											\$5,851,112.00
Total 10-Year Beach Management Budget											\$234,971,738.69

*Projects have been approved in 10-year budget but have not been scheduled.