SECTION E

INFORMATION REQUESTED FOR STANDARD GENERAL, INDIVIDUAL AND CONCEPTUAL ENVIRONMENTAL RESOURCE PERMIT APPLICATIONS NOT RELATED TO A SINGLE FAMILY DWELLING UNIT

Please provide the information requested below if the proposed project requires either a standard general, individual, or conceptual approval environmental resource permit and is not related to an individual, single family dwelling unit, duplex or quadruplex. The information listed below represents the level of information that is usually required to evaluate an application. The level of information required for a specific project will vary depending on the nature and location of the site and the activity proposed. Conceptual approvals generally do not require the same level of detail as a construction permit. However, providing a greater level of detail will reduce the need to submit additional information at a later date. If an item does not apply to your project, proceed to the next item. Please submit all information that is required by the Department on either 8 1/2 in. X 11 in. paper or 11 in. X 17 in. paper. Larger drawings may be submitted to supplement but not replace these smaller drawings.

I. Site Information

A. Provide a map(s) of the project area and vicinity delineating USDA/SCS soil types.

B. Provide recent aerials, legible for photo interpretation with a scale of 1" = 400 ft, or more detailed, with project boundaries delineated on the aerial.

C. Identify the seasonal high water or mean high tide elevation and normal pool or mean low tide elevation for each on site wetland or surface water, including receiving waters into which runoff will be discharged. Include dates, datum, and methods used to determine these elevations.

D. Identify the wet season high water tables at the locations representative of the entire project site. Include dates, datum, and methods used to determine these elevations.

II. Environmental Considerations

A. Provide results of any wildlife surveys that have been conducted on the site, and provide any comments pertaining to the project from the Florida Game and Fresh Water Fish Commission and the U.S. Fish and Wildlife Service.

B. Provide a description of how water quantity, quality, hydroperiod, and habitat will be maintained in on-site wetlands and other surface waters that will be preserved or will remain undisturbed.

C. Provide a narrative description of any proposed mitigation plans, including purpose, maintenance, monitoring, and construction sequence and techniques, and estimated costs.

D. Describe how boundaries of wetlands or other surface waters were determined. If there has ever been a jurisdictional declaratory statement, a formal wetland determination, a formal determination, a validated informal determination, or a revalidated jurisdictional determination, provide the identifying number.

E. Impact Summary Tables:

1. For all projects, complete Tables 1, 2 and 3 as applicable.

2. For docking facilities or other structures constructed over wetlands or other surface waters, provide the information requested in Table 4.

3. For shoreline stabilization projects, provide the information requested in Table 5.

III. Plans

Provide clear, detailed plans for the system including specifications, plan (overhead) views, cross sections (with the locations of the cross sections shown on the corresponding plan view), and profile (longitudinal) views of the

proposed project. The plans must be signed and sealed by a an appropriate registered professional as required by law. Plans must include a scale and a north arrow. These plans should show the following:

A. Project area boundary and total land area, including distances and orientation from roads or other land marks;

B. Existing land use and land cover (acreage and percentages), and on-site natural communities, including wetlands and other surface waters, aquatic communities, and uplands. Use the Florida Land Use Cover & Classification System (FLUCCS)(Level 3) for projects proposed in the South Florida Water Management District, the St. Johns River Water Management District, and the Suwannee River Water Management District and use the National Wetlands Inventory (NWI) for projects proposed in the Southwest Florida Water Management District. Also identify each community with a unique identification number which must be consistent in all exhibits.

C. The existing topography extending at least 100 feet off the project area, and including adjacent wetlands and other surface waters. All topography shall include the location and a description of known benchmarks, referenced to NGVD. For systems waterward of the mean high water (MHW) or seasonal high water lines, show water depths, referenced to mean low water (MLW) in tidal areas or seasonal low water in non-tidal areas, and list the range between MHW and MLW. For docking facilities, indicate the distance to, location of, and depths of the nearest navigational channel and access routes to the channel.

D. If the project is in the known flood plain of a stream or other water course, identify the following: 1) the flood plain boundary and approximate flooding elevations; and 2) the 100-year flood elevation and floodplain boundary of any lake, stream or other watercourse located on or adjacent to the site;

E. The boundaries of wetlands and other surface waters within the project area. Distinguish those wetlands and other surface waters that have been delineated by any binding jurisdictional determination;

F. Proposed land use, land cover and natural communities (acreage and percentages), including wetlands and other surface waters, undisturbed uplands, aquatic communities, impervious surfaces, and water management areas. Use the same classification system and community identification number used in III (B) above.

G. Proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands;

H. Proposed buffer zones;

I. Pre- and post-development drainage patterns and basin boundaries showing the direction of flows, including any off-site runoff being routed through or around the system; and connections between wetlands and other surface waters;

J. Location of all water management areas with details of size, side slopes, and designed water depths;

K. Location and details of all water control structures, control elevations, any seasonal water level regulation schedules; and the location and description of benchmarks (minimum of one benchmark per structure);

L. Location, dimensions and elevations of all proposed structures, including docks, seawalls, utility lines, roads, and buildings;

M. Location, size, and design capacity of the internal water management facilities;

N. Rights-of-way and easements for the system, including all on-site and off-site areas to be reserved for water management purposes, and rights-of-way and easements for the existing drainage system, if any;

O. Receiving waters or surface water management systems into which runoff from the developed site will be discharged;

P. Location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction and all permanent control measures to be implemented in post-development conditions;

Q. Location, grading, design water levels, and planting details of all mitigation areas;

R. Site grading details, including perimeter site grading;

S. Disposal site for any excavated material, including temporary and permanent disposal sites;

T. Dewatering plan details;

U. For marina facilities, locations of any sewage pumpout facilities, fueling facilities, boat repair and maintenance facilities, and fish cleaning stations;

V. Location and description of any nearby existing offsite features which might be affected by the proposed construction or development such as stormwater management ponds, buildings or other structures, wetlands or other surface waters.

W. For phased projects, provide a master development plan.

IV. Construction Schedule and Techniques

Provide a construction schedule, and a description of construction techniques, sequencing and equipment. This information should specifically include the following:

A. Method for installing any pilings or seawall slabs;

B. Schedule of implementation of temporary or permanent erosion and turbidity control measures;

C. For projects that involve dredging or excavation in wetlands or other surface waters, describe the method of excavation, and the type of material to be excavated;

D. For projects that involve fill in wetlands or other surface waters, describe the source and type of fill material to be used. For shoreline stabilization projects that involve the installation of riprap, state how these materials are to be placed, (i.e., individually or with heavy equipment) and whether the rocks will be underlain with filter cloth;

E. If dewatering is required, detail the dewatering proposal including the methods that are proposed to contain the discharge, methods of isolating dewatering areas, and indicate the period dewatering structures will be in place (Note: a consumptive use or water use permit may by required);

F. Methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge;

G. Demolition plan for any existing structures to be removed; and

H. Identify the schedule and party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed.

V. Drainage Information

A. Provide pre-development and post-development drainage calculations, signed and sealed by an appropriate registered professional, as follows:

1. Runoff characteristics, including area, runoff curve number or runoff coefficient, and time of concentration for each drainage basin;

2. Water table elevations (normal and seasonal high) including aerial extent and magnitude of any proposed water table draw down;

3. Receiving water elevations (normal, wet season, design storm);

4. Design storms used including rainfall depth, duration, frequency, and distribution;

5. Runoff hydrograph(s) for each drainage basin, for all required design storm event(s);

6. Stage-storage computations for any area such as a reservoir, close basin, detention area, or channel, used in storage routing;

7. Stage-discharge computations for any storage areas at a selected control point, such as control structure or natural restriction;

8. Flood routings through on-site conveyance and storage areas;

9. Water surface profiles in the primary drainage system for each required design storm event(s);

10. Runoff peak rates and volumes discharged from the system for each required design storm event(s);

11. Tail water history and justification (time and elevation); and

12. Pump specifications and operating curves for range of possible operating conditions (if used in system).

B. Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions;

C. Provide the acreage, and percentages of the total project, of the following:

1. Impervious surfaces, excluding wetlands;

2. Pervious surfaces (green areas, not including wetlands);

3. Lakes, canals, retention areas, other open water areas; and

4. Wetlands.

D. Provide an engineering analysis of floodplain storage and conveyance (if applicable), including:

1. Hydraulic calculations for all proposed traversing works;

2. Backwater water surface profiles showing upstream impact of traversing works;

3. Location and volume of encroachment within regulated floodplain(s); and

4. Plan for compensating floodplain storage, if necessary, and calculations required for determining minimum building and road flood elevations.

E. Provide an analysis of the water quality treatment system including:

1. A description of the proposed stormwater treatment methodology that addresses the type of treatment, pollution abatement volumes, and recovery analysis; and

2. Construction plans and calculations that address stage-storage and design elevations, which demonstrate compliance with the appropriate water quality treatment criteria.

F. Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, a description of the program, input and output data, two diskette copies, if available, and justification for model selection.

VI. Operation and Maintenance and Legal Documentation

A. Describe the overall maintenance and operation schedule for the proposed system.

B. Identify the entity that will be responsible for operating and maintaining the system in perpetuity if different than the permittee, a draft document enumerating the enforceable affirmative obligations on the entity to properly operate and maintain the system for its expected life, and documentation of the entity's financial responsibility for long-term maintenance. If the proposed operation and maintenance entity is not a property owner's association, provide proof

of the existence of an entity, or the future acceptance of the system by an entity which will operate and maintain the system. If a property owner's association is the proposed operation and maintenance entity, provide copies of the articles of incorporation for the association and copies of the declaration, restrictive covenants, deed restrictions, or other operational documents that assign responsibility for the operation and maintenance of the system. Provide information ensuring the continued adequate access to the system for maintenance purposes. Before transfer of the system to the operating entity will be approved, the permittee must document that the transferee will be bound by all terms and conditions of the permit.

C. Provide copies of all proposed conservation easements, storm water management system easements, property owner's association documents, and plats for the property containing the proposed system.

D. Provide indication of how water and waste water service will be supplied. Letters of commitment from off-site suppliers must be included.

E. Provide a copy of the boundary survey and/or legal description and acreage of the total land area of contiguous property owned/controlled by the applicant.

VII. Water Use

A. Will the surface water system be used for water supply, including landscape irrigation, or recreation.

B. If a Consumptive Use or Water Use permit has been issued for the project, state the permit number.

C. If no Consumptive Use or Water Use permit has been issued for the project, indicate if such a permit will be required and when the application for a permit will be submitted.

D. Indicate how any existing wells located within the project site will be utilized or abandoned.

TABLE 1
Project Impact Summary

WL & SW ID	WL & SW TYPE	WL & SW SIZE (ac.) ON SITE	WL & SW ACRES NOT IMPACTED	PERMANENT IMPACTS TO WL & SW		TEMPORARY IMPACTS TO WL & SW		MITIGATION ID
				IMPACT SIZE (acres)	IMPACT CODE	IMPACT SIZE (acres)	IMPACT CODE	

WL = Wetland; **SW** = Surface water; **ID** = Identification number, letter, etc.
Wetland Type: Use an established wetland classification system and, in the comments section below, indicate which classification system is being used.
Impact Code (Type): D = dredge; F = fill; H = change hydrology; S = shading; C = clearing; O = other. Indicate the final impact if more than one impact type is proposed in a given area. For example, show F only for an area that will first be demucked and then backfilled.

Note: Multiple entries per cell are not allowed, except in the "Mitigation ID" column. Any given acreage of wetland should be listed in one row only, such that the total of all rows equals the project total for a given category (column). For example, if Wetland No. 1 includes multiple wetland types and multiple impact codes are proposed in each type, then each proposed impact in each wetland type should be shown on a separate row, while the size of each wetland type found in Wetland No. 1 should be listed in only one row.

Comments: _____

TABLE 2
ON-SITE MITIGATION SUMMARY

MITIGATION ID	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		UPLAND PRESERVE		OTHER	
	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE
PROJECT TOTALS:												

CODES (multiple entries per cell not allowed): Target Type or Type = target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

COMMENTS:

TABLE 3
OFF-SITE MITIGATION SUMMARY

MITIGATION ID	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		UPLAND PRESERVE		OTHER	
	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE
PROJECT TOTALS:												

CODES (multiple entries per cell not allowed):

Target Type=target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

TABLE 4
DOCKING FACILITY SUMMARY

Type of Structure*	Type of Work**	Number of Identical Docks	Length (feet)	Width (feet)	Height (feet)	Total square feet over water	Number of slips

	TOTALS:	Existing	Proposed
*Dock, Pier, Finger Pier, or other structure (please specify what type)	Number of Slips		
**New, Replaced, Existing (unaltered), Removed, or Altered/Modified	Square Feet over the water		

Use of Structure:

Will the docking facility provide:

Live-aboard Slips? If yes, Number:
Fueling Facilities: If yes, Number
Sewage Pump-out Facilities? If yes, Number:
Other Supplies or Services Required for Boating (excluding refreshments, bait and tackle)
☐ Yes ☐ No

Type of Materials for Decking and Pilings (i.e., CCA, pressure treated wood, plastic, or concrete)

Pilings
Decking
Proposed Dock-Plank Spacing (if applicable)

Proposed Size (length and draft), Type, and Number of Boats Expected to Use or Proposed to be Mooring at the facility)

Table 5: SHORELINE STABILIZATION
IF YOU ARE CONSTRUCTING A SHORELINE STABILIZATION PROJECT, PLEASE PROVIDE THE FOLLOWING:

Type of Stabilization Being Done	Length (in feet) of New	Length (in feet) of Replaced	Length (in feet) of Repaired	Length (in feet) of Removed	Slope: H: V:	Width of the Toe (in feet)
Vertical Seawall						
Seawall plus Rip-Rap						
Rip-Rap						
Rip-Rap plus Vegetation						
Other Type of Stabilization Being Done:						

Size of the Rip Rap: _____

Type of Rip Rap:_____

COMMENTS:

SUBMERGED LAND LEASE EASEMENT
VIRGINIA KEY
MIAMI-DADE COUNTY

A PORTION OF SUBMERGED LAND IN THE ATLANTIC OCEAN LYING SOUTHERLY OF SECTIONS 20 AND 21, TOWNSHIP 54 SOUTH, RANGE 42 EAST, CITY OF MIAMI, MIAMI-DADE COUNTY, FLORIDA AND BREING MORE PARTICULARLY DESCRIBED AS FOLLOWES;

COMMENCING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL RESOURCES (FDEP) SECOND ORDER CONTROL MONUMENT DA-31, STAMPED "87-91-DA-31" AND HAVING FOR ITS COORDINATES, IN FEET AND RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE (0901) AND REFERENCED TO THE NORTH AMERICAN DATUM 1983, 1990 ADJUSTMENT (NAD83/90), Y=507,770.172, X= 934,011.590. THE BEARINGS HEREIN ARE BASED ON THE BEARING OF SOUTH 35°32'20" WEST, BETWEEN FDEP MONUMENTS 87-91-DA-30 AND 87-91-DA-31 AS PUBLISHED BY FDEP; THENCE NORTH 29° 35' 38" WEST, A DISTANCE OF 1985.66 FEET TO THE POINT OF BEGINNING (POB) OF THE HEREIN DESCRIBED EASEMENT;

THENCE NORTH 27° 43' 40" WEST, A DISTANCE OF 100.00 FEET;
THENCE NORTH 62° 16' 20" EAST, A DISTANCE OF 34.49 FEET;
THENCE NORTH 67° 21' 06" EAST, A DISTANCE OF 122.02 FEET;
THENCE NORTH 57° 43' 26" EAST, A DISTANCE OF 123.02 FEET;
THENCE NORTH 62° 48' 25" EAST, A DISTANCE OF 197.46 FEET;
THENCE NORTH 59° 08' 54" EAST, A DISTANCE OF 100.02 FEET;
THENCE NORTH 57° 38' 32" EAST, A DISTANCE OF 239.47 FEET;
THENCE NORTH 58° 28' 37" EAST, A DISTANCE OF 118.45 FEET;
THENCE NORTH 49° 36' 29" EAST, A DISTANCE OF 123.99 FEET;
THENCE NORTH 49° 16' 21" EAST, A DISTANCE OF 184.24 FEET;
THENCE NORTH 52° 32' 35" EAST, A DISTANCE OF 197.86 FEET;
THENCE NORTH 54° 13' 45" EAST, A DISTANCE OF 253.61 FEET;
THENCE SOUTH 43° 37' 46" EAST, A DISTANCE OF 36.13 FEET;
THENCE NORTH 53° 34' 30" EAST, A DISTANCE OF 154.55 FEET;
THENCE NORTH 59° 43' 36" EAST, A DISTANCE OF 107.76 FEET;
THENCE NORTH 64° 43' 52" EAST, A DISTANCE OF 249.38 FEET;
THENCE NORTH 45° 32' 29" EAST, A DISTANCE OF 250.94 FEET;
THENCE NORTH 43° 27' 07" EAST, A DISTANCE OF 237.04 FEET;
THENCE NORTH 56° 09' 13" EAST, A DISTANCE OF 120.18 FEET;
THENCE NORTH 49° 10' 31" EAST, A DISTANCE OF 126.20 FEET;
THENCE NORTH 65° 27' 44" EAST, A DISTANCE OF 193.64 FEET;
THENCE NORTH 64° 00' 06" EAST, A DISTANCE OF 309.51 FEET;
THENCE SOUTH 83° 02' 19" EAST, A DISTANCE OF 90.56 FEET;
THENCE SOUTH 87° 46' 05" EAST, A DISTANCE OF 87.51 FEET;
THENCE SOUTH 37° 14' 34" EAST, A DISTANCE OF 122.32 FEET;
THENCE NORTH 48° 28' 17" EAST, A DISTANCE OF 68.27 FEET;

THENCE SOUTH 41° 31' 42" EAST, A DISTANCE OF 100.00 FEET;
THENCE SOUTH 48° 28' 18" WEST, A DISTANCE OF 176.04 FEET;
THENCE NORTH 37° 14' 34" WEST, A DISTANCE OF 182.91 FEET;
THENCE NORTH 87° 46' 06" WEST, A DISTANCE OF 44.45 FEET;
THENCE NORTH 83° 02' 19" WEST, A DISTANCE OF 65.11 FEET;
THENCE SOUTH 64° 00' 06" WEST, A DISTANCE OF 281.20 FEET;
THENCE SOUTH 65° 27' 44" WEST, A DISTANCE OF 180.61 FEET;
THENCE SOUTH 49° 10' 30" WEST, A DISTANCE OF 117.99 FEET;
THENCE SOUTH 56° 09' 12" WEST, A DISTANCE OF 115.15 FEET;
THENCE SOUTH 43° 27' 07" WEST, A DISTANCE OF 227.74 FEET;
THENCE SOUTH 45° 32' 29" WEST, A DISTANCE OF 269.67 FEET;
THENCE SOUTH 64° 43' 52" WEST, A DISTANCE OF 261.91 FEET;
THENCE SOUTH 59° 43' 36" WEST, A DISTANCE OF 98.02 FEET;
THENCE SOUTH 53° 34' 30" WEST, A DISTANCE OF 237.33 FEET;
THENCE NORTH 43° 37' 46" WEST, A DISTANCE OF 37.14 FEET;
THENCE SOUTH 54° 13' 45" WEST, A DISTANCE OF 164.99 FEET;
THENCE SOUTH 52° 32' 35" WEST, A DISTANCE OF 193.53 FEET;
THENCE SOUTH 49° 16' 21" WEST, A DISTANCE OF 181.68 FEET;
THENCE SOUTH 49° 36' 29" WEST, A DISTANCE OF 132.04 FEET;
THENCE SOUTH 58° 28' 37" WEST, A DISTANCE OF 125.47 FEET;
THENCE SOUTH 57° 38' 32" WEST, A DISTANCE OF 240.06 FEET;
THENCE SOUTH 59° 08' 54" WEST, A DISTANCE OF 104.52 FEET;
THENCE SOUTH 62° 48' 25" WEST, A DISTANCE OF 196.22 FEET;
THENCE SOUTH 57° 43' 26" WEST, A DISTANCE OF 127.01 FEET;
THENCE SOUTH 67° 21' 06" WEST, A DISTANCE OF 126.00 FEET;
THENCE SOUTH 62° 16' 20" WEST, A DISTANCE OF 30.06 FEET TO THE SAID POINT OF BEGINNING. SAID LANDS CONTAINING 8.913 ACRES MORE OR LESS.