CALPINE
BLUE HERON
ENERGY CENTER

Site Certification Application

Volume 4
Chapter 10
Appendices 10.1.2 - 10.10

Submitted by

BLUE HERON
ENERGY CENTER, L.L.C.

Prepared by

ECT
Environmental Consulting & Technology, Inc.

October 2000
(Rev. 1 - December 2004)

10.0 APPENDICES

APPENDIX 10.1.2

JOINT ENVIRONMENTAL RESOURCE PERMIT/ SECTION 404 APPLICATION/PLANS

SECTION A

FOR AGENCY USE ONLY	
ACOE Application #	DEP/WMD Application #
Date Application Received	Date Application Received
Proposed Project Lat.	Fee Received $
Proposed Project Long.	Fee Receipt #

PART 1:

Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters? ☒ yes ☐ no

Is this application being filed by or on behalf of a government entity or drainage district? ☐ yes ☒ no

A. Type of Environmental Resource Permit Requested (check at least one). See Attachment 2 for thresholds and descriptions.

- ☐ Noticed General - include information requested in Section B.
- ☐ Standard General (Single Family Dwelling) - include information requested in Sections C and D.
- ☒ Standard General (all other Standard General projects) - include information requested in Sections C and E.
- ☐ Individual (Single Family Dwelling) - include information requested in Sections C and D.
- ☐ Individual (all other Individual projects) - include information requested in Sections C and E.
- ☐ Conceptual - include information requested in Sections C and E.
- ☐ Mitigation Bank Permit (construction) - include information requested in Sections C and F. (If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
- ☐ Mitigation Bank (conceptual) - include information requested in Sections C and F.

B. Type of activity for which you are applying (check at least one)

- ☒ Construction or operation of a new system, other than a solid waste facility, including dredging or filling in, on or over wetlands and other surface waters.
- ☐ Construction, expansion or modification of a solid waste facility.
- ☐ Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
- ☐ Modification of a system previously permitted by a WMD or DEP.

  Provide previous permit numbers:_____

  - ☐ Alteration of a system
  - ☐ Abandonment of a system
  - ☐ Removal of a system
  - ☐ Extension of permit duration
  - ☐ Construction of additional phases of a system

C. Are you requesting authorization to use Sovereign Submerged Lands?

☐ yes ☒ no

(See Section G and Attachment 5 for more information before answering this question.)

D. For activities in, on, or over wetlands or other surface waters, check type of federal dredge and fill permit requested:

☐ Individual ☐ Programmatic General ☒ General
☐ Nationwide ☐ Not Applicable

E. Are you claiming to qualify for an exemption? ☐ yes ☒ no

If yes, provide rule number if known. _____

PART 3: A. OWNER(S) OF LAND	B. ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)
Name Mark Smidebush	Name Timothy R. Eves
Title and Company Plant Manager, Ocean Spray Cranberries, Inc.	Title and Company Vice President, Blue Heron Energy Center, L.L.C.
Address 925 74th Avenue, SW	Address 2701 N. Rocky Point Drive, Suite 1200
City, State, Zip Vero Beach, FL 32968-9702	City, State, Zip Tampa, FL 33607
Telephone and Fax 772/562-0800, ext. 176; 772/562-1215 (FAX)	Telephone and Fax 813/637-7303; 813/637-7399 (FAX)
C. AGENT AUTHORIZED TO SECURE PERMIT	**D. CONSULTANT (IF DIFFERENT FROM AGENT)**
Name Benjamin Borsch	Name Doreen Donovan
Title and Company Manager, Safety, Health & Environment, Calpine Corp.	Title and Company Staff Scientist; ECT, Inc.
Address 2701 N. Rocky Point Drive, Suite 1200	Address 1408 N. Westshore Blvd., Suite 115
City, State, Zip Tampa, FL 33607	City, State, Zip Tampa, FL 33607
Telephone and Fax 813/637-7305; 813/637-7399 (FAX)	Telephone and Fax 813/289-9338; 813/289-9388 (FAX)

PART 4: (Please provide metric equivalent for federally funded projects):

A. Name of Project, including phase if applicable: Blue Heron Energy Center

B. Is this application for part of a multi-phase project?
☐yes ☒no

C. Total applicant-owned area contiguous to the project?
50.5 ac.; _____ ha.

D. Total area served by the system: 50.5 ac.; _____ ha.

E. Impervious area for which a permit is sought: 19.9 ac.; _____ ha.

F. Volume of water that the system is capable of impounding:
32.6 ac. ft.; _____ m

G. What is the total area of work in, on, or over wetlands or other surface waters?
0.008 ac.; _____ ha. 359.3 sq. ft.; _____ sq. m.

H. Total volume of material to be dredged: 58 cubic yd; _____ m

I. Number of new boat slips proposed: N/A wet slips; _____ dry slips

PART 5:

Project location (use additional sheets if needed):
County(ies)Indian River

Section(s) 36	Township 33S	Range 38E (Site and construction laydown area)
Section(s) 18, 19, 30, 31	Township 33S	Range 39E (Primary water pipeline route)
Section(s)	Township	Range

Land Grant name, if applicable:

Tax Parcel Identification Number: _____

Street AddressRoador other location:74th Avenue

City, Zip Code, if applicable: _____

PART 6: Describe in general terms the proposed project, system, or activity.

The proposed project is a nominal 1,080 megawatt natural gas-fired power plant to be constructed on approximately 27 acres of the 50.5-acre site. No wetlands will be impacted by facility construction. Included in proposed development in addition to the generating facilities will be a storm water detention pond, gas regulating station, administration and warehouse buildings, water treatment facilities, and parking. A construction laydown area will be temporarily located north of the proposed plant site location. In addition to the generating facility and associated development, a natural gas pipeline, two 230-kV transmission lines, and a cooling and plant process water pipeline are directly associated facilities to be certified in this PPSA proceeding. Certification of the gas pipeline and transmission line corridors will be sought as part of this PPSA proceeding. A separate ERP application will be filed for these aspects of the project once the gas pipeline and transmission line corridors are certified and rights-of-way within these corridors are selected. Cooling water and other plant process water will consist of excess water withdrawn from the Indian River Farms Water Control District canal system via a to-be-constructed pumping station. The water will be pumped to the Indian River County Egret Marsh Regional Stormwater Park via a new 0.5-mile pipeline and discharged into a pretreatment pond at the park. Water will be withdrawn from the pond and pumped to the BHEC via a new 3.0-mile pipeline. This ERP addresses the approximately 0.008-acre impacts to canal bottoms and littoral vegetation due to construction of the pumping station in the canal. The conveyance pipelines will be constructed in upland rights-of-way and will not impact wetlands.

PART 7:

A. If there have been any pre-application meetings, including on-site meetings, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives.
June 7,2000; Blue Heron Energy Center site; James Carr, FDEP; Informal Wetland Determination—ERP/File No. 31-270976-001

B. Please identify by number any MSSW/Wetland Resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.

Agency	Date	No.\Type of Application	Action Taken
N/A	____	____	____
____	____	____	____
____	____	____	____

C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit or an authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding application) and/or (for proprietary authorizations) is located within a 500 ft. radius of the applicant's land. Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.

1. 2.
See Appendix 10.1.4.
3. 4.
5. 6.
7. 8.

PART 8:

A. By signing this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand this is an application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relive me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of the applicant, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Benjamin Borsch
Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)

Signature of Applicant/Agent — Date: 12/15/04

Manager, Safety, Health & Environment
(Corporate Title if applicable)

AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:

B. I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirements which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Timothy R. Eves	TR Eves	12/15/04
Typed/Printed Name of Applicant	Signature of Applicant	Date

Vice President
(Corporate Title if applicable)

Please note: The applicant's original signature (not a copy) is required above.

PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

C. I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

Typed/Printed Name of Applicant	Signature of Applicant	Date

OPTION AGREEMENT BETWEEN CALPINE AND OCEAN SPRAY CRANBERRIES FOR PURCHASE OF THE PROPERTY GRANTS CALPINE ACCESS TO THE PROPERTY AT ALL REASONABLE TIMES.

(Corporate Title if applicable)

SECTION C

Environmental Resource Permit Notice of Receipt of Application

Note: this form does not need to be submitted for noticed general permits.
This information is required in addition to that required in other sections of the application. Please submit five copies of this notice of receipt of application and all attachments with the other required information. Please submit all information on 8 1/2" x 11" paper.

Project Name	Blue Heron Energy Center
County	Indian River
Owner	Ocean Spray Cranberries, *Inc.*
Applicant:	Blue Heron Energy Center, L.L.C.
Applicant's Address:	Mr. Timothy R. Eves, Vice President 2701 N. Rocky Point Drive, Suite 1200 Tampa, FL 33607

1. Indicate the project boundaries on a USGS quadrangle map. Attach a location map showing the boundary of the proposed activity. The map should also contain a north arrow and a graphic scale; show Section(s), Township(s), and Range(s); and must be of sufficient detail to allow a person unfamiliar with the site to find it.

See Figure 2.1.0-2 for the plant Site and laydown area and Figure 3.5.1-1 for the water supply pipeline route.

2. Provide the names of all wetlands, or other surface waters that would be dredged, filled, impounded, diverted, drained, or would receive discharge (either directly or indirectly), or would otherwise be impacted by the proposed activity, and specify if they are in an Outstanding Florida Water or Aquatic Preserve:

For the water supply pipeline, the surface water to be impacted by construction of an intake structure is a canal within the Indian River Farms Water Control District canal system.

3. Attach a depiction (plan and section views), which clearly shows the works or other facilities proposed to be constructed. Use multiple sheets, if necessary. Use a scale sufficient to show the location and type of works.

See attached, sealed Figures 1 and 2 for locational, plan, and section views of the intake structure to be constructed in the canal for the water supply pipeline.

4. Briefly describe the proposed project (such as "construct dock with boat shelter", "replace two existing culverts", "construct surface water management system to serve 150 acre residential development"):

The Project will include a 0.5-mile, 36-inch-diameter pipeline to the Indian River County Egret Marsh Regional Stormwater Park and a 3.0-mile, 24-inch-diameter pipeline from the park to the BHEC. The Project will require the construction of a pumping structure which will impact the edge of the canal.

5. Specify the acreage of wetlands or other surface waters, if any, that are proposed to be filled, excavated, or otherwise disturbed or impacted by the proposed activity:

Filled 0.008 ac.; excavated 0.008 ac.

6. Provide a brief statement describing any proposed mitigation for impacts to wetlands and other surface waters (attach additional sheets if necessary):

None proposed.

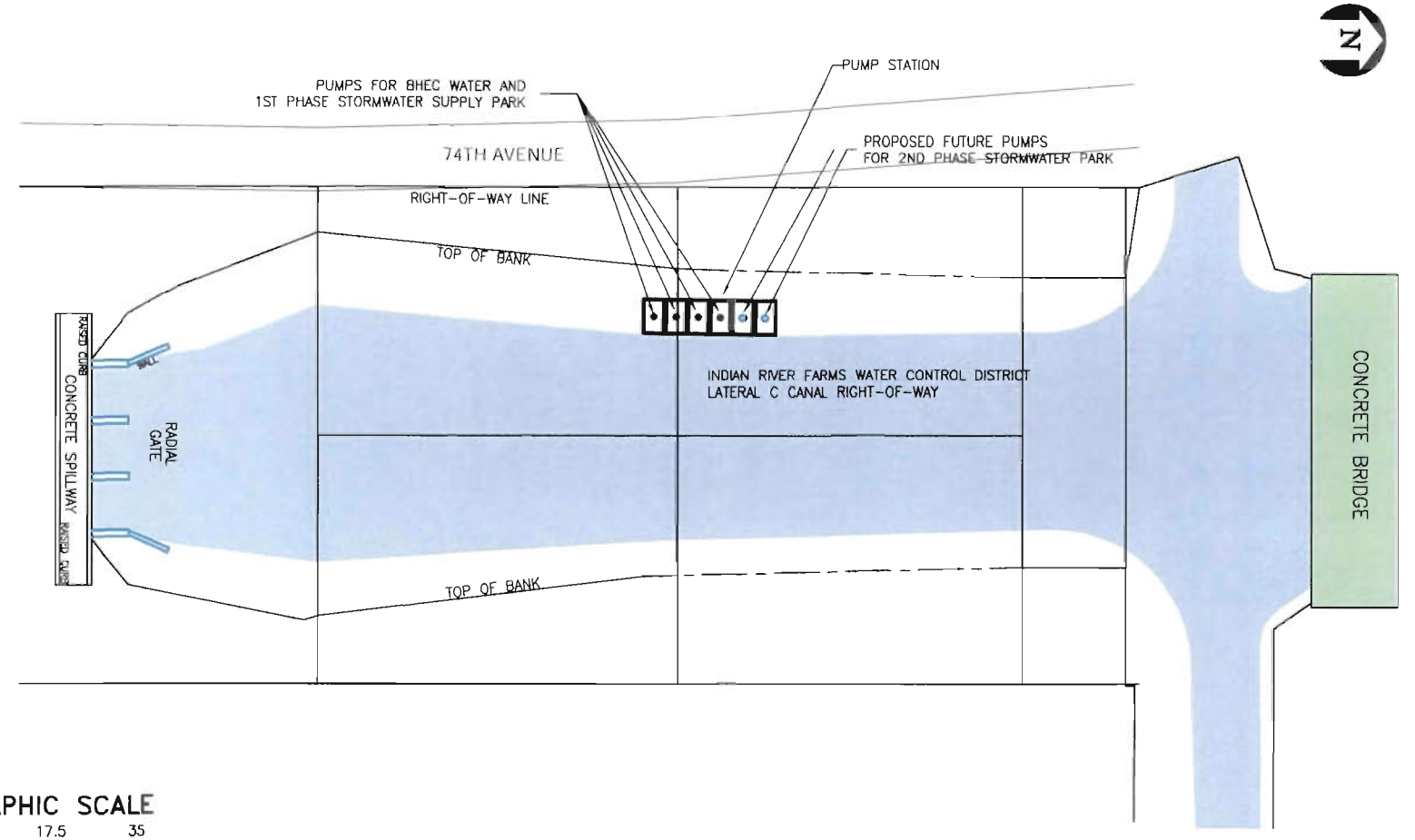
FOR AGENCY USE ONLY

Application Name:
Application Number:
Office where the application can be inspected:

Note to Notice recipient: The information in this notice has been submitted by the applicant, and has not been verified by the agency. It may be incorrect, incomplete or may be subject to change.

M:\acad\040796\WaterPump_structure.dwg

Dec 16, 2004 - 11:59am by mlorrelle



Juan B. Chon
12-16-2004

FIGURE 1 (REV 1 - 12/04)

PUMP STRUCTURE LOCATION IN LATERAL C CANAL

SOURCE: Foster Wheeler Environmental, 2000; ECT, 2004

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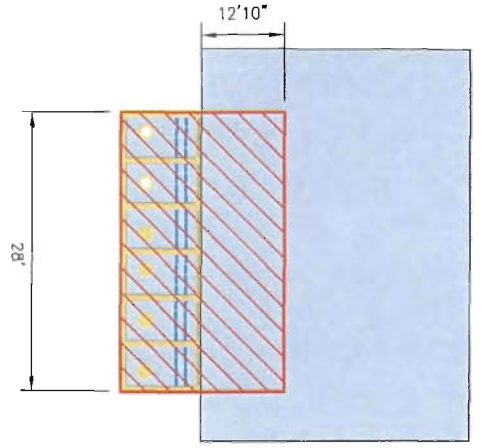
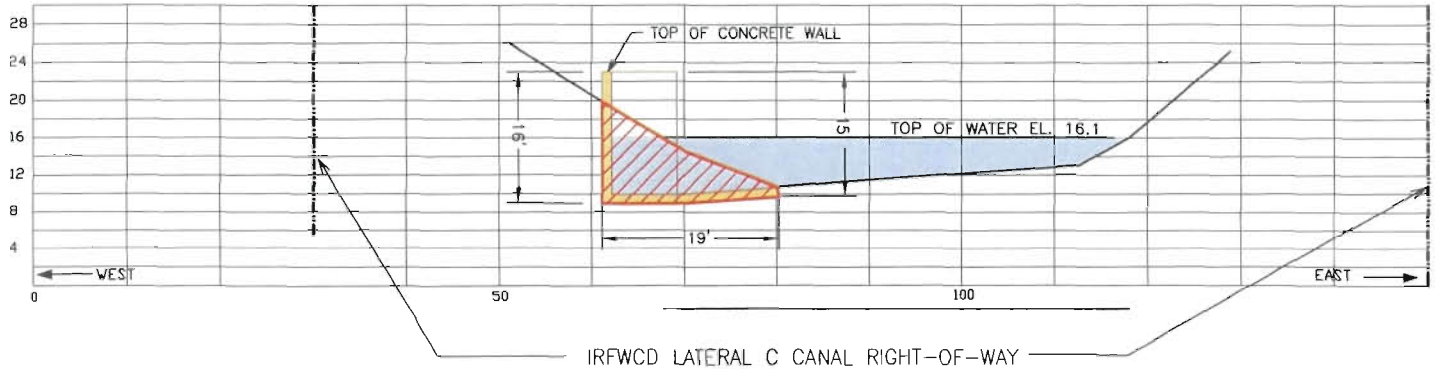


PLAN VIEW

LIMITS OF EXCAVATION



SECTION

FIGURE 2. (REV 1 - 12/04)

PUMP STATION CROSS-SECTION IN LATERAL C CANAL

SOURCE: Foster Wheeler Environmental, 2000; ECT, 2004.

12-16-2004

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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.
See Figure 2.3.1-11.

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.
See Figure 2.3.5-2 for the plant site and Figure 6.3.2-1 for the water supply pipeline route.

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.
For water supply pipeline, water level in the canal is maintained at 15.5 ft-NGVD for lower pool. The receiving water for the plant site runoff will be the canal-upper pool at 18.5 ft-NGVD.

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.
At the plant site, wet season high water levels were surveyed for the two wetlands onsite. The northernmost wetland has a SHW at 22.9 ft-NGVD; the central wetland has a SHW at 23.6 ft-NGVD. These were determined using water marks, lichen lines, adventitious roots, etc. on vegetation and surveyed during an April 2000 site survey. A minimum 15-ft and an average of over 25-ft buffer will be preserved surrounding the two onsite wetlands.

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.
See Section 2.3.6.1—Terrestrial Systems-Fauna.

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.
The major source of surface runoff to undisturbed wetlands is west of the portion of the Site to be developed. Therefore, effects on water relations in wetlands will be minimal.

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

None proposed; no wetland impacts will occur at the plant site; minor impacts (about 0.008 acre) will occur on a canal bank associated with construction of water intake pumping structure.

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.

Federally regulated wetland and surface waters boundaries were determined using methodologies defined in the 1987 Corps of Engineers Wetlands Delineation Manual. State of Florida regulated wetlands and surface waters were identified and delineated as per methodologies outlined in Chapter 62-340, FAC.

E. Impact Summary Tables:

1. For all projects, complete Tables 1, 2 and 3 as applicable. **Table 1 is 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 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. **See Figures 2.1.0-2 and 2.3.5-1.**

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. **See Figures 2.3.5-2 and 2.3.5-3.**

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. **See Appendix 10.5-Monitoring Programs, 0.1 ft. contour map.**

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. **See Figure 2.1.0-5.**

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. **See Figure 2.3.5-2, FLUCFCS categories 617 and 641. Informal FDEP jurisdictional done June 7, 2000.**

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. **See Figure 4.4.1-1.**

G. Proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands. **No impacts to wetlands on the plant site; see Section 6.3.7.2 for proposed water supply pipeline impacts to a canal (about 0.008 acre).**

H. Proposed buffer zones. **Buffers to onsite wetlands will range from a minimum of 15 ft with an average of at least 25 ft in width.**

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. **See Appendix 10.1.3, Storm Water Management Plan.**

J. Location of all water management areas with details of size, side slopes, and designed water depths. **See Appendix 10.1.3.**

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). **See Appendix 10.1.3.**

L. Location, dimensions and elevations of all proposed structures, including docks, seawalls, utility lines, roads, and buildings. **See Appendix 10.1.3.**

M. Location, size, and design capacity of the internal water management facilities. **See Appendix 10.1.3.**

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. **See Appendix 10.1.3.**

O. Receiving waters or surface water management systems into which runoff from the developed site will be discharged. **See Appendix 10.1.3.**

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. **See Appendix 10.1.3.**

Q. Location, grading, design water levels, and planting details of all mitigation areas. **See Appendix 10.1.3.**

R. Site grading details, including perimeter site grading. **See Appendix 10.1.3.**

S. Disposal site for any excavated material, including temporary and permanent disposal sites. **See Appendix 10.1.3.**

T. Dewatering plan details. **See Appendix 10.1.3.**

U. For marina facilities, locations of any sewage pumpout facilities, fueling facilities, boat repair and maintenance facilities, and fish cleaning stations. **N/A**

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. **N/A**

W. For phased projects, provide a master development plan. **N/A**

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. **N/A**

B. Schedule of implementation of temporary or permanent erosion and turbidity control measures. **Construction is scheduled to begin in mid-2005.**

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. **Excavation activities for the pumping structure will be primarily accomplished by backhoe equipment.**

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. **Concrete to be used for side walls and pumphouse, to be constructed in the canal.**

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). **N/A**

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. **Local roads.**

G. Demolition plan for any existing structures to be removed. **N/A**

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

V. Drainage Information (See Appendix 10.1.3, Surface Water Management Plan)

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. **The proposed SWM system is a gravity system that does not require an operation schedule. Maintenance of the SWM facilities (ponds, banks, swales, inlets, culverts) will be provided regularly as needed.**

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. **The permittee will be responsible for the operation and maintenance of the SWM system in accordance with the criteria set forth by the water management district.**

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. **NA.**

D. Provide indication of how water and waste water service will be supplied. Letters of commitment from off-site suppliers must be included. **Water and wastewater service will be provided by Indian River County Utilities. Letters of commitment are forthcoming.**

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. **Please see Appendix 10.10.**

VII. Water Use

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

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

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.
Consumptive use permit will be required. The application is included in Appendix 10.1.4.

D. Indicate how any existing wells located within the project site will be utilized or abandoned.
Existing monitoring wells will be abandoned in accordance with SJRWMD requirements.

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	
641	Marsh	0.7	0.7	None	N/A	0	N/A	
617	Forested wetland	3.5	3.5	None	N/A	0	N/A	
Lateral C Canal	Canal	*	N/A	0.008	F	N/A	N/A	

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: *Canal not onsite; see Figure 6.3.1-1 for intake location and Section 6.3 for description.

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:

APPENDIX 10.1.3

STORMWATER MANAGEMENT PLAN

STORMWATER MANAGEMENT PLAN

BLUE HERON ENERGY CENTER
INDIAN RIVER COUNTY, FLORIDA

Prepared for:

CALPINE
BLUE HERON
ENERGY CENTER

BLUE HERON ENERGY CENTER, L.L.C.
Tampa, Florida

Prepared by:

ECT
Environmental Consulting & Technology, Inc.
3701 Northwest 98th Street
Gainesville, Florida 32606

ECT No. 000105-0200

October 2000
(Rev. 1—12/04)

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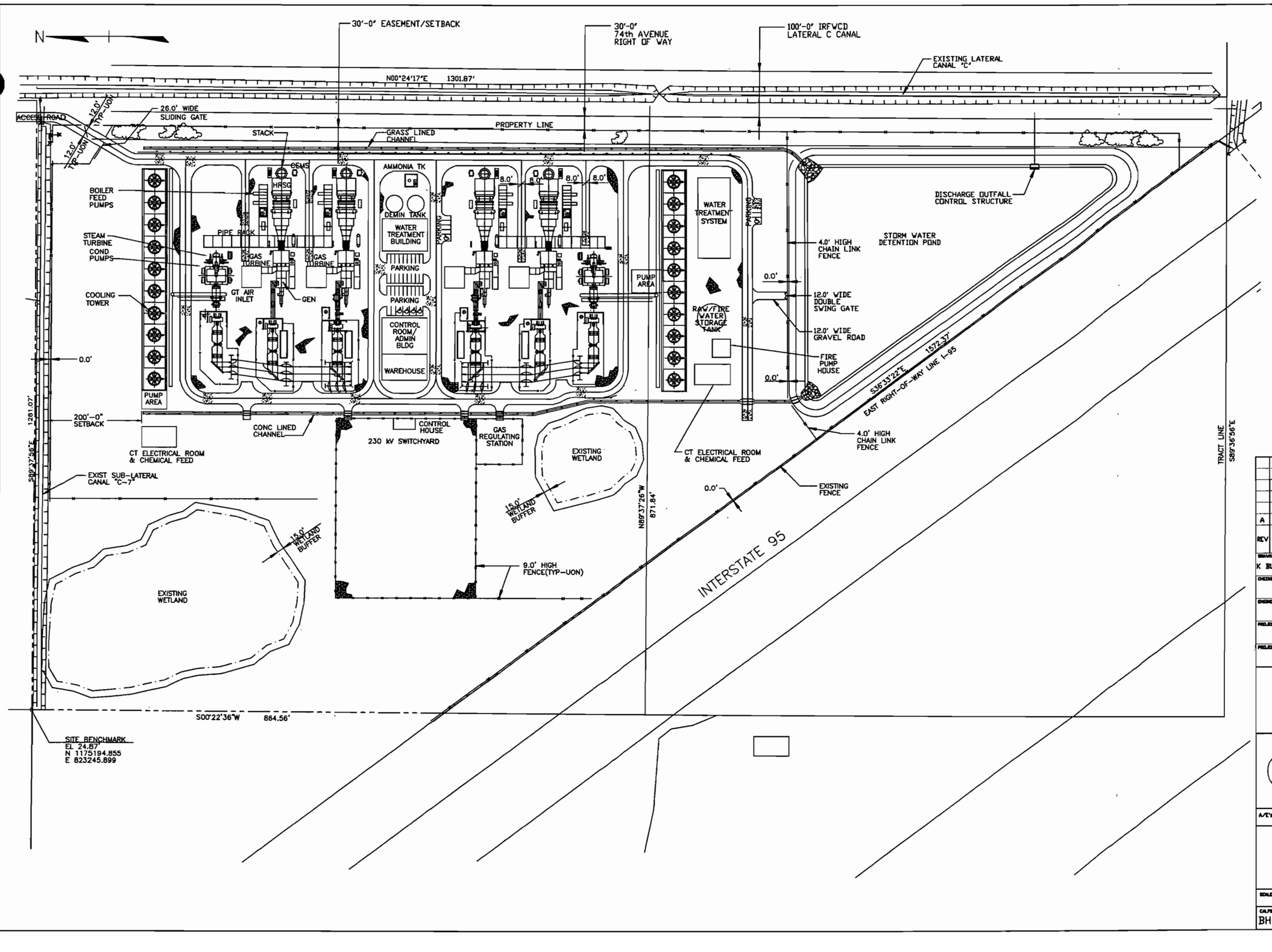


NOTE

1. SURVEY INFORMATION ARE TAKEN FROM BOUNDARY SURVEY DRAWING PREPARED BY MASTELLER, MOLER & REED INC., DATED 3/20/2000.

LEGEND

- WETLANDS BOUNDARY
- PROPERTY LINE
- NEW FENCE
- NEW FACILITY
- NEW CHANNEL
- NEW GUARDRAIL
- CONCRETE PAVING
- CRUSHED STONE
- RIPRAP APRON
- BUFFER ZONE
- WETLAND BUFFER

GRAPHIC SCALE

0 50 100 200 300

1" = 100'-0"

REV	DATE	DESCRIPTION	DRAWN	CHECKED	ENGINEER	PROJ. ENGR MANAGER	PROJECT MANAGER
A		ISSUED FOR PERMITTING	KB				

	DATE
DRAWN BY: K BLAIR	03/01/02
CHECKED BY	DATE
ENGINEER	DATE
PROJECT ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE

FIGURE 1.
(REV. 1 – 12/04)
BHEC SITE PLAN

CALPINE
BLUE HERON
ENERGY CENTER
FLORIDA

A/E's PROJECT NO.

CALPINE
BLUE HERON ENERGY CENTER
SITE PLAN

SCALE 1" = 100'-0"

CALPINE DWG NO. BH-G-2000-GEN-001

REVISION A

BOUNDARY SURVEY PERFORMED FOR CALPINE CORPORATION

REPORT OF SURVEY:

- TYPE OF SURVEY: BOUNDARY
- SURVEYOR IN RESPONSIBLE CHARGE: ROD REED P.S.M. 3916

MASTELLER, MOLER & REED, INC. CERTIFICATE OF AUTHORIZATION L.B. 4644
2205 14TH AVENUE
VERO BEACH, FLORIDA 32960 - PHONE (561) 564-8050

- THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO THE SURVEY MAP AND/OR REPORT OF SURVEY BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- ACCURACY: THE EXPECTED USE OF THE LAND, AS CLASSIFIED IN THE MINIMUM TECHNICAL STANDARDS (61G17-6 FAC) IS URBAN THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF BOUNDARY SURVEY IS 1 FOOT IN 7500 FEET. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO MEET OR EXCEED THIS REQUIREMENT.
- THE LAST DATE OF FIELD WORK: 3/20/2000
- THE BEARING BASE FOR THIS SURVEY IS AS FOLLOWS:
  A) GRID NORTH
  B) THE BEARING BETWEEEN INDAIN RIVER COUNTY GPS MONUMENTS GPS 43 AND GPS 44
  C) THE BEARING IS N00°35'17"E
- NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY AND/OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR EXCEPT AS SHOWN. NO TITLE OPINION IS EXPRESSED OR IMPLIED.
- THIS SURVEY DOES NOT CERTIFY TO THE EXISTENCE OR LOCATION OF ANY FOUNDATIONS, UTILITIES, UNDERGROUND ENCROACHMENTS OR IMPROVEMENTS EXCEPT AS SHOWN.
- THE PARCEL OF LAND SHOWN HEREON IS LOCATED IN FLOOD ZONE "X" PER FLOOD INSURANCE RATE MAP 12061C0165 E, DATED MAY 4TH, 1989.
- UNLESS A COMPARISON IS SHOWN, PLAT VALUES & MEASURED VALUES ARE THE SAME.
- THE ELEVATIONS AS SHOWN ON THIS SURVEY ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
- THE HORIZONTAL VALUES SHOWN HEREON REFER TO THE STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE, NAD 83 (NGS ADJUSTMENT OF 1990).

LEGAL DESCRIPTION:

THAT PORTION OF TRACTS 9 AND 16, LYING EAST OF THE EAST RIGHT-OF-WAY FOR INTERSTATE 95, LOCATED IN SECTION 36, TOWNSHIP 33 SOUTH, RANGE 38 EAST, ACCORDING TO THE LAST GENERAL PLAT OF THE LANDS OF THE INDIAN RIVER FARMS COMPANY SUBDIVISION, FILED IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT OF ST. LUCIE COUNTY, FLORIDA, IN PLATBOOK 2, PAGE 25. SAID LAND NOW LYING AND BEING IN INDIAN RIVER COUNTY, FLORIDA.

SAID LANDS CONTAINING 48.74 ACRES MORE OR LESS

LEGEND AND ABBREVIATIONS

IRC	IRON ROD AND CAP
LB	LICENSED BUSINESS
NO.	NUMBER
R/W	RIGHT OF WAY
CM	CONCRETE MONUMENT
MEAS.	MEASURED
P.U.D.E.	PUBLIC UTILITY AND DRAINAGE EASEMENT
FD.	FOUND
O.R.B.	OFFICIAL RECORD BOOK
P.R.M.	PERMANENT REFERENCE MONUMENT
P.C.P.	PERMANENT CONTROL POINT
BM	BENCHMARK
F.F.	FINISH FLOOR
ELEV.	ELEVATION
E.O.P.	EDGE OF PAVEMENT
R	RADIUS
Δ	DELTA
L	LENGTH
I.D.	IDENTIFICATION
SEC.	SECTION
TWP.	TOWNSHIP
RGE.	RANGE

OAK, PINE, PALM, SHRUB, MAPLE, CITRUS, ELM

SANITARY MANHOLE, DRAINAGE MANHOLE, WELL, HYDRANT, WATER VALVE, WATER METER, CLEANOUT, CATCH BASIN, CURB INLET

SIGN, LIGHT POLE, MAIL OR PAPERBOX, SOUTHERN BELL BOX, CABLE TV BOX, POWERPOLE, ELECTRIC BOX, GUY WIRE, FLOW DIRECTION

GRAPHIC SCALE

(IN FEET)
1 inch = 220 ft.

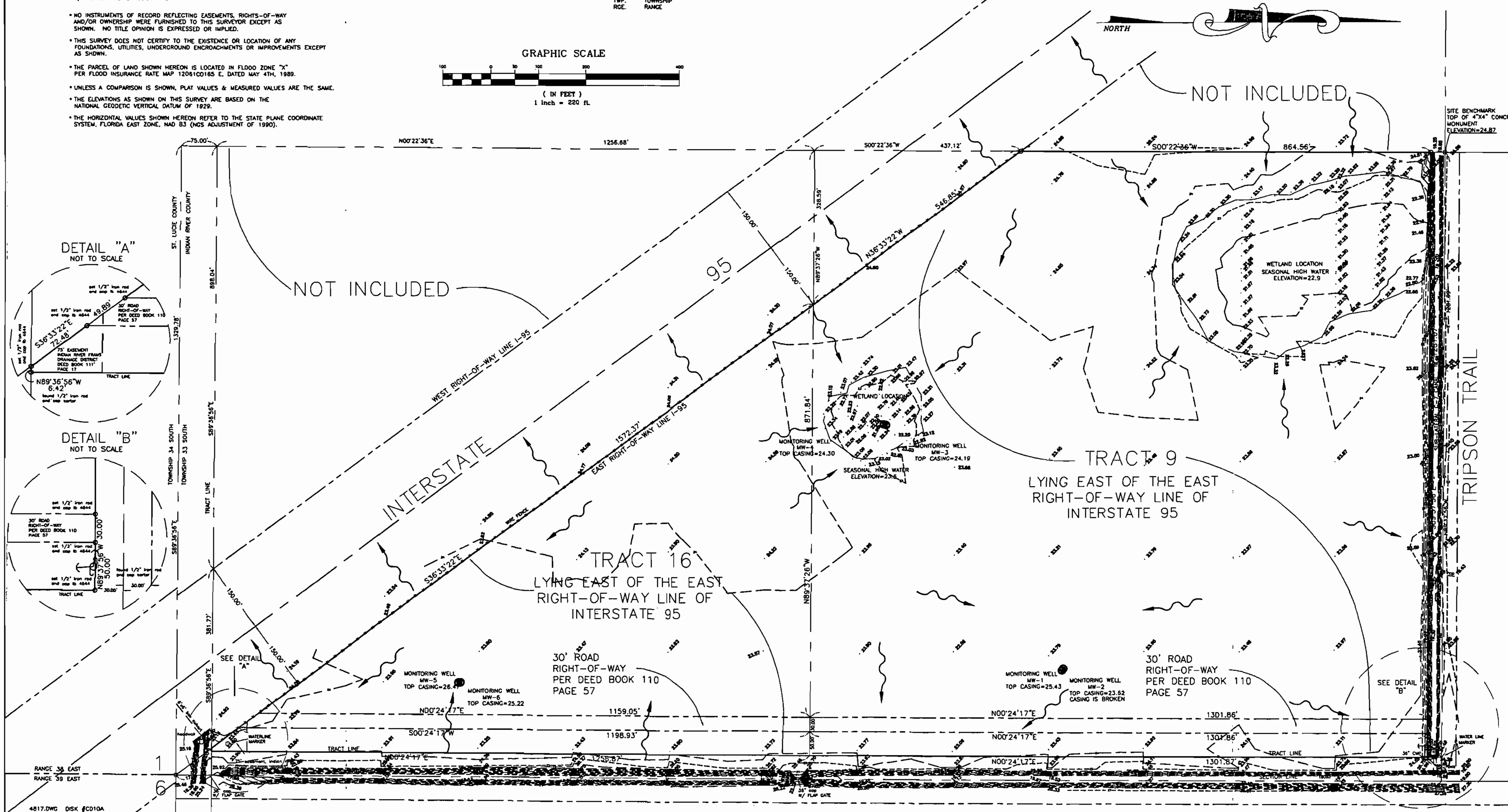

NORTH
NOT INCLUDED
NOT INCLUDED
INTERSTATE 95
WEST RIGHT-OF-WAY LINE I-95
EAST RIGHT-OF-WAY LINE I-95
TRACT 9
LYING EAST OF THE EAST RIGHT-OF-WAY LINE OF INTERSTATE 95
TRACT 16
LYING EAST OF THE EAST RIGHT-OF-WAY LINE OF INTERSTATE 95
TRIPSON TRAIL
WETLAND LOCATION SEASONAL HIGH WATER ELEVATION=22.9
SEASONAL HIGH WATER ELEVATION=23.6
MONITORING WELL MW-4 TOP CASING=24.30
MONITORING WELL MW-3 TOP CASING=24.19
MONITORING WELL MW-5 TOP CASING=26.47
MONITORING WELL MW-6 TOP CASING=25.22
MONITORING WELL MW-1 TOP CASING=25.43
MONITORING WELL MW-2 TOP CASING=23.52 CASING IS BROKEN
30' ROAD RIGHT-OF-WAY PER DEED BOOK 110 PAGE 57
30' ROAD RIGHT-OF-WAY PER DEED BOOK 110 PAGE 57
SITE BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT ELEVATION=24.87
N00°22'36"E 1256.68'
S00°22'36"W 437.12'
S00°22'36"W 864.56'
N36°33'22"W 546.85'
1572.37'
S36°33'22"E
N89°37'26"W
N00°24'17"E 1159.05'
S00°24'17"W 1198.93'
N00°24'17"E 1301.86'
S89°36'56"E
ST. LUCIE COUNTY
INDIAN RIVER COUNTY
TOWNSHIP 34 SOUTH
TOWNSHIP 33 SOUTH
RANGE 38 EAST
RANGE 39 EAST
TRACT LINE
SEE DETAIL "A"
SEE DETAIL "B"
DETAIL "A" NOT TO SCALE
DETAIL "B" NOT TO SCALE
4817.DWG DISK #CD10A

FIGURE 2.
(REV. 1 - 12/04)
PRE-DEVELOPMENT DRAINAGE

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

ROD REED P.S.M. 3916

MAP OF SURVEY FOR
CALPINE CORPORATION

MASTELLER, MOLER & REED INC.
PROFESSIONAL SURVEYORS AND MAPPERS
LAND SURVEYING BUSINESS #4644
2205 14th Avenue Vero Beach, Florida 32960 (561)564-8050

TYPE: BOUNDARY
DATE: 3/20/2000 FB. PG.
PROJECT NO.: 00-4817
DRAWN BY: CJG
CHECKED BY: RR
SCALE: 1"=220'
SHEET: 2 OF 2

N

30'-0" EASEMENT/SETBACK

30'-0" 74th AVENUE RIGHT OF WAY

100'-0" IRFWCD LATERAL C CANAL

EXISTING LATERAL CANAL "C"

N00°24'17"E 1301.87'

ACCESS ROAD

26.0' WIDE SLIDING GATE

STACK

CEMS

HRSG

GRASS LINED CHANNEL

PROPERTY LINE

AMMONIA TK

DEMIN TANK

WATER TREATMENT BUILDING

PARKING

BOILER FEED PUMPS

STEAM TURBINE

COND PUMPS

PIPE RACK

GAS TURBINE

GAS TURBINE

COOLING TOWER

CT AIR INLET

HP EGEN

GEN

CONTROL ROOM/ ADMIN BLDG

WAREHOUSE

PUMP AREA

WATER TREATMENT SYSTEM

EL. 26.0' (TYP)

RAW/FIRE WATER STORAGE TANK

FIRE PUMP HOUSE

DISCHARGE OUTFALL CONTROL STRUCTURE

STORM WATER DETENTION POND

4.0' HIGH CHAIN LINK FENCE

12.0' WIDE DOUBLE SWING GATE

12.0' WIDE GRAVEL ROAD

S36°33'22"E 1572.37'

EAST RIGHT-OF-WAY LINE I-95

TRACT LINE S89°36'56"E

12R1.07'

S89°37'26"E

200'-0" SETBACK

CONC LINED CHANNEL

CONTROL HOUSE

230 kV SWITCHYARD

GAS REGULATING STATION

EXISTING WETLAND

CT ELECTRICAL ROOM & CHEMICAL FEED

EXIST SUB-LATERAL CANAL "C-7"

15.0' WETLAND BUFFER

SLOPE

9.0' HIGH FENCE(TYP-UON)

N89°37'26"W 871.84'

EXISTING FENCE

INTERSTATE 95

S00°22'36"W 864.56'

SITE BENCHMARK
EL 24.87'
N 1175194.855
E 823245.899

NOTE

1. SURVEY INFORMATION ARE TAKEN FROM BOUNDARY SURVEY DRAWING PREPARED BY MASTELLER, MOLER & REED INC., DATED 3/20/2000.

LEGEND

- WETLANDS BOUNDARY
- PROPERTY LINE
- NEW FENCE
- NEW FACILITY
- NEW CHANNEL
- NEW GUARDRAIL
- CONCRETE PAVING
- CRUSHED STONE
- RIPRAP APRON
- BUFFER ZONE
- WETLAND BUFFER

GRAPHIC SCALE

0 50 100 200 300

1" = 100'-0"

REV	DATE	DESCRIPTION	DRAWN	CHECKED	ENGINEER	PROJECT ENGINEERING MANAGER	PROJECT MANAGER
A		ISSUED FOR PERMITTING	KB				

DRAWN BY K BLAIR DATE 03/01/02

CHECKED BY DATE

ENGINEER DATE

PROJECT ENGINEERING MANAGER DATE

PROJECT MANAGER DATE

FIGURE 3.
(REV. 2 – 12/04)
SITE GRADING AND DRAINAGE PLAN

CALPINE
BLUE HERON
ENERGY CENTER
FLORIDA

A/E's PROJECT NO.

CALPINE
BLUE HERON ENERGY CENTER
SITE PLAN

SCALE 1" = 100'-0"

CALPINE DWG NO. BH-G-2000-GEN-001

REVISION A

N

30'-0" EASEMENT/SETBACK

30'-0" 74th AVENUE RIGHT OF WAY

100'-0" IRFWCD LATERAL C CANAL

PLACE STRAW BALES BARRIER ACROSS DITCH TO FILTER OUT SEDIMENT SEE DET 2, DWG SC310

EXISTING LATERAL CANAL "C"

N00°24'17"E 1301.87'

ACCESS ROAD

12.0' TYP-UON

26.0' WIDE SLIDING GATE

PROPERTY LINE

STACK

GRASS LINED CHANNEL

CEMS

HRSG

AMMONIA TK

DEMIN TANK

WATER TREATMENT BUILDING

PARKING

PIPE RACK

GAS TURBINE

GEN

STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH

BOILER FEED PUMPS

STEAM TURBINE

COND PUMPS

COOLING TOWER

GT AIR INLET

8.0'

PUMP AREA

WATER TREATMENT SYSTEM

RAW/FIRE WATER STORAGE TANK

DISCHARGE OUTFALL CONTROL STRUCTURE

STORM WATER DETENTION POND

4.0' HIGH CHAIN LINK FENCE

0.0'

12.0' WIDE DOUBLE SWING GATE

12.0' WIDE GRAVEL ROAD

FIRE PUMP HOUSE

1572.37'

S36°33'22"E

EAST RIGHT-OF-WAY LINE I-95

CONTROL ROOM/ ADMIN BLDG

WAREHOUSE

CONTROL HOUSE

230 kV SWITCHYARD

GAS REGULATING STATION

CT ELECTRICAL ROOM & CHEMICAL FEED

CONC LINED CHANNEL

PLACE STRAW BALES BARRIER ACROSS DITCH TO FILTER OUT SEDIMENT SEE DET 2(SIM), DWG SC310

EXISTING WETLAND

15.0' WETLAND BUFFER

N89°37'26"W 871.84'

EXISTING FENCE

200'-0" SETBACK

S89°37'56"E 1281.07'

EXIST SUB-LATERAL CANAL "C-7"

SILT FENCE SEDIMENT BARRIER SEE DET 1, DWG SC310 (TYP)

SWITCHYARD

9.0' HIGH FENCE(TYP-UON)

INTERSTATE 95

TRACT LINE S89°36'56"E

S00°22'36"W 864.56'

SITE BENCHMARK
EL 24.87'
N 1175194.855
E 823245.899

1. FOR SEDIMENTATION AND EROSION CONTROL NOTES SEE DRAWING SC310.

LEGEND

- WETLANDS BOUNDARY
- PROPERTY LINE
- NEW SILT FENCE
- NEW CHANNEL
- WETLAND BUFFER

GRAPHIC SCALE

0 50 100 200 300

1"=200'-0"

FIGURE 5.
(REV. 2 – 12/04)
SEDIMENT AND EROSION CONTROL PLAN

Rev No	Revision	Date	Dwn	Chkd	Approved Chief Engr

Drawing Control				
Purpose	Approved By	Date	Released By	Date
For Information				
For Comment				
For Bid				
For Construction	X			

Engineering Review		
Disc	Engr	Date
Mech		
Elec		
Civil		
Arch		
Nuc		
Dwn RV	Chkd	SL
Reviewed By		
Manager-Design & Drafting		

CALPINE
BLUE HERON
ENERGY CENTER PROJECT
FLORIDA

SEDIMENT AND EROSION CONTROL PLAN

BURNS AND ROE ENTERPRISES, INC.
Engineers and Constructors - Oradell, NJ

Approved for Construction	Date	Work Order	Drawing No	Rev
Chief CIVIL Engineer	Scale 1"=200.0'	2349	SC309	B

ATTACHMENT
STORMWATER MANAGEMENT CALCULATIONS

STORMWATER MANAGEMENT CALCULATIONS

St. Johns River Water Management District
Indian River Farms Water Control District
Indian River County

Prepared for:

CALPINE
BLUE HERON
ENERGY CENTER

BLUE HERON ENERGY CENTER, L.L.C.
Tampa, Florida

Prepared by:

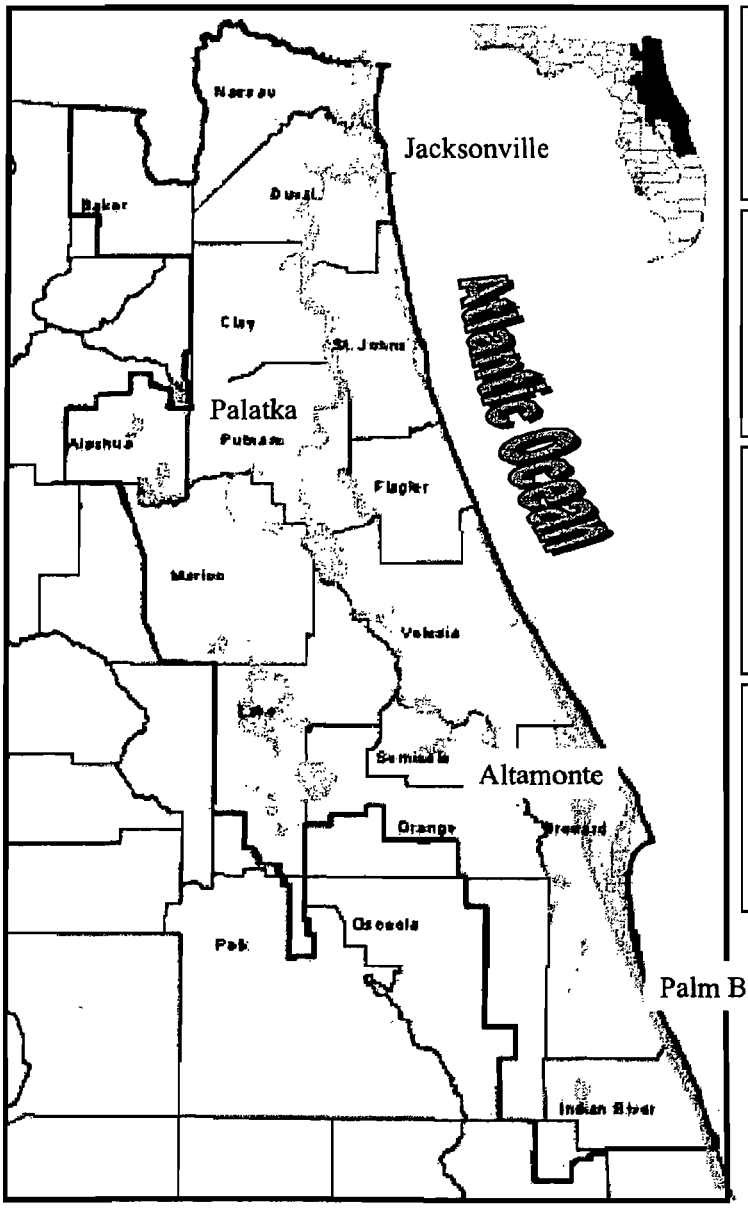
ECT
Environmental Consulting & Technology, Inc.
3701 Northwest 98th Street
Gainesville, Florida 32606

October 2000
(Rev. 1—12/04)

APPENDIX 10.1.4

CONSUMPTIVE WATER USE PERMIT APPLICATION (SURFACE WATER)

St. Johns River Water Management District
Permit Application
For Consumptive Uses of Water



District Headquarters

P.O. Box 1429
Palatka, Florida 32178
Phone 386-329-4500

Jacksonville Service Center

7775 Baymeadows Way
Suite 102
Jacksonville, Florida 32256
Phone 904-730-6270

Altamonte Service Center

975 Keller Road
Altamonte Springs,
Florida 32714
Phone 407-659-4800

Palm Bay Service Center

525 Community College
Parkway
Palm Bay, Florida 32909
Phone 321-984-4940

Form: 40C-2-1082-1; Effective 1-7-99

G-DP04/CALPINE/BHEC/SCA/CUP--121304

INTRODUCTION

Unless expressly exempted by law or District regulation, a consumptive use permit is required for any use, diversion or withdrawal of surface or ground water which meets any of the following criteria:

1. Average annual daily withdrawal exceeding one hundred thousand (100,000) gallons average per day on an annual basis.
2. Withdrawal equipment or other facility which have a capacity of more than one million (1,000,000) gallons per day.
3. Withdrawals from a combination of wells or of other facilities, having a combined capacity of more than one million (1,000,000) gallons per day.
4. Withdrawals from a well in which the outside diameter of the largest permanent water bearing casing is six inches or greater. For purposes of this paragraph, the diameter of the well at ground surface will be presumed to be the diameter of the well for the entire length unless the well owner or well contractor can demonstrate that the well has a smaller diameter water bearing casing below ground surface.
5. Within the Delineated Area as set forth in 6.7.1.6, Applicant's Handbook: Consumptive Uses of Water, withdrawals from a well in which the inside diameter of the largest permanent water bearing casing is five inches or greater. For purposes of this paragraph, the diameter of the well at ground surface will be presumed to be the diameter of the well for the entire length unless the well owner or well contractor can demonstrate that the well has a smaller diameter water bearing casing below ground surface.
6. Within the Delineated Area as set forth in 6.7.1.6, Applicant's Handbook: Consumptive Uses of Water, for freeze protection uses of water on agricultural and nursery property greater than 5 acres in size.
7. Any secondary use, as defined in paragraph 2.0(w) of the Applicant's Handbook: Consumptive Uses of Water, which exceeds 100,000 gallons per day estimated on an average annual basis.

PROCESSING

Processing of permit applications is in accordance with provisions of the Water Resources Act, Chapter 373, Florida Statutes, Chapter 120, Florida Statutes , Chapters 28-106, 28-107, 40C-1, 40C-2 and 40C-20, Florida Administrative Code and the Applicant's Handbook: Consumptive Uses of Water

The District will notify an applicant if an application is incomplete within 30 days of receipt and will inform the applicant of what additional information is required to make the application complete. For those permits processed as individual permits, the Board will issue or deny permits within 90 days of receipt of the completed application. Those permits processed as general permits will be issued within 30 days of receipt of a completed application.

Failure to obtain a permit prior to undertaking a regulated activity is a violation of District requirements, even if the project would receive a favorable review in a standard permitting process. The District may initiate administrative, civil or criminal actions against violators, and may require restorative steps.

PERMIT APPLICATION FOR CONSUMPTIVE USES OF WATER

Permit Type: Individual CUP ☒ Secondary Use ☐
Standard General CUP ☐
Application is for: New use ☒ Renewal ☐
Modification of Existing Permit ☐

APPLICANT INFORMATION

ORGANIZATION NAME (please print all responses)
Blue Heron Energy Center, L.L.C.

LAST NAME (please print all responses)	FIRST NAME
Eves	Timothy R.

STREET NO.	STREET NAME	CITY
2701 N. Rocky Point Drive, Suite 1200		Tampa

STATE	ZIP	PHONE
FL	33607	813/637-7303

☐ Same as above — AGENT OR CONSULTANT

ORGANIZATION NAME (please print all responses)
Calpine Corporation

LAST NAME (please print all responses)	FIRST NAME
Borsch	Benjamin

STREET NO.	STREET NAME	CITY
2701 N. Rocky Point Drive, Suite 1200		Tampa

STATE	ZIP	PHONE
FL	33607	813/637-7305

☒ Same as applicant — OWNER INFORMATION

ORGANIZATION NAME (please print all responses)

LAST NAME (please print all responses)	FIRST NAME

STREET NO.	STREET NAME	CITY

STATE	ZIP	PHONE

Timothy R. Eves — APPLICANT'S NAME (Please print)
T R Eves — APPLICANT'S SIGNATURE
12/15/04 — DATE

If a person other than applicant has completed this form, that person certifies by his signature below that he is acting as an authorized agent of the applicant and his signature will be certification that he is in fact the authorized agent.

Benjamin Borsch — AGENT'S NAME (Please print)
Benjamin Borsch — AGENT'S SIGNATURE
12/15/04 — DATE

Form: 40C-2-1082-1; Effective 1-7-99

SITE INFORMATION

COUNTY Indian River ACRES OWNED 50.5

SECTION 36 TOWNSHIP 33 RANGE 38

PROJ. NAME Blue Heron Energy Center PROJECT ACRES 26.9

COUNTY PARCEL NO. 36-33-38-00001-0090-00001.0

TYPE OF USE

DARKEN ALL THAT APPLY

AESTHETIC ☐ AGRICULTURAL ☐ AQUACULTURAL ☐ COOLING AND AIR CONDITIONING ☐

DEWATERING ☐ COMMERCIAL AND INDUSTRIAL ■ ESSENTIAL ☐ FREEZE PROTECTION ☐

GOLF COURSE ☐ RECREATION AREA ☐ HOUSEHOLD TYPE ☐ LIVESTOCK ☐

NURSERY ☐ URBAN LANDSCAPE IRRIGATION ☐ WATER BASED RECREATION ☐

UNACCOUNTED FOR WATER ☐ OTHER ☐

Previous Permit No. _____

AMOUNT REQUESTED	
	INCHES PER YEAR _____
	MILLION GALLONS PER YEAR 2,117 for Phases I and II (1,058.5 for Phase I)
	MILLION GALLONS PER DAY 5.8 average/8.2 peak for Phases I and II*
	DATE OF START OF USE Mid-2007
	*2.9 average/4.1 peak for Phase I

REQUESTED PERMIT DURATION	
	20 YEARS ☐
	Other (Specify Years): Life of the Project (i.e., 30 years +/-) certified through Power Plant Siting Act

WATER USE MONITORING

All permittees are required to measure their water usage on a continuous basis. All users must report their use using form EN-50 to the District at the intervals specified in their permit. If used, meters must be 95% accurate, verifiable and installed according to manufacturers' specifications. Meters or alternative methods utilized by the water supplier to charge for the water may suffice as a water use monitoring tool.

Alternative methods must be 90% accurate and verifiable. All alternative methods must be approved in advance and in writing by District staff.

☐ Same as applicant

COMPLIANCE ENTITY

Consumptive Use Permits require the periodic submittal of data to the District. Please provide the name, address and phone number of the person who will be responsible for ensuring that the permitted conditions are met. Submittal of this information does not relieve the permit holder from the responsibility for compliance.

Name: Benjamin Borsch
Address: Calpine Corporation
2701 N. Rocky Point Drive, Suite 1200
Tampa, FL 33607

Phone Number: (813) - 637-7305

SECONDARY TYPE USE

Please supply information regarding the source(s) of water for your activities.

1. The name of the supplier of water. Indian River County (see water supply agreement in SCA Appendix 10.9)
2. Is this source of water potable or non-potable? (circle one)
3. What percentage of your total water use is from this supplier? 100%
4. If 100% of your water is not provided from the supplier, please indicate what uses are self supplied.
5. The applicant must also complete other packages which address the requested consumptive use identified in question 4.

Description of Use Classes: Each permit shall be identified with one or more of the following use classifications:

(a) **Aesthetic use** – the use of water for fountains, waterfalls, and landscape lakes and ponds where such uses are entirely ornamental and decorative.

(b) **Agricultural use** – use of water for the commercial production of crops or the growing of farm products including, but not limited to, vegetables, citrus and other fruits, pasture, rice and sod.

(c) **Aquacultural use** – the use or withdrawal of water for cultivation of animal and plant life in a water environment, including but not limited to food fish, aquatic bait, game fish, aquatic plants (i.e. watercress), alligators, tropical fish, shellfish, and turtles.

(d) **Commercial and industrial process use** – the use of water essential to the production of the goods or services provided by a business establishment.

(e) **Cooling and air conditioning use** – the use of water for heating or cooling, or for air conditioning.

(f) **Dewatering use** – the removal of water from a specific area to facilitate mining or construction.

(g) **Essential use** – the use of water strictly for fire fighting purposes, health and medical purposes and the use of water to satisfy federal, state or local public health and safety requirements.

(h) **Freeze protection** – the periodic and infrequent use of water to protect agricultural and nursery crops from damage due to low temperatures.

(i) **Golf course use** – water used to irrigate an establishment designed and used for playing golf.

(j) **Household use** – the use of water for personal needs or for household purposes such as drinking, bathing, heating, cooking, sanitation or cleaning, whether the use occurs in a residence or in a business or industrial establishment.

(k) **Livestock use** – the use of water for watering or washing of livestock.

(l) **Nursery use** – the use of water on premises or in which nursery stock is grown, propagated or held for sale or distribution or sold or reshipped.

(m) **Recreation area use** – the use of water for the maintenance and support of intensive recreational areas such as, but not limited to, playgrounds, football, baseball, and soccer fields.

(n) **Urban landscape irrigation** – the outside watering or sprinkling of shrubbery, trees, lawns, grass, ground covers, plants, vines, gardens and other such flora which are situated in such diverse locations as residential landscaping, recreational areas, cemeteries, public, commercial and industrial establishments, public medians and rights of way.

(o) **Water based recreation use** – water used for public or private swimming and wading pools, including water slides. This terms does not include pools specifically maintained to provide habitat for aquatic life.

(p) **Water utility use** – water used for withdrawal, treatment, transmission and distribution by potable water systems.

SOURCES OF WATER
(Summary Data Sheet)

Please supply information regarding the source(s) of water for your activities. Include information regarding **all** wells/pumps on the property.

Table 1.
SUMMARY OF GROUND WATER SOURCES

Well or Pump Number	Wellfield or Facility Name	Casing Dia (in.)	Casing Depth (ft)	Total Depth (ft)	Operation Hrs/wk	Pump Capacity (in gpm)	Date Drilled	Existing or Proposed (date)	Type of Use*
None									

*See use descriptions on page 4. If more than one use type, show predominate use

Table 2.
SUMMARY OF SURFACE WATER SOURCES

Pump Number (s)	Pump Capacity (gpm)	Operation Hrs/wk	Acreage of Surface Water Body	Name of Source	Status (date if proposed)	Type of Use
Lateral C Canal to Stormwater Park*						
4 pumps	3,500 each	168	780	IRFWCD Lateral C Canal	Mid-2007	Industrial/Stormwater Treatment**
Stormwater Park to BHEC						
3 pumps	3,000 each	168	3	Pretreatment pond in stormwater park	Mid-2007	Industrial

*Indian River County Egret Marsh Regional Stormwater Park.

**Stormwater treatment is nonconsumptive use.

PROPERTY CONTROL AND LOCATION

I. PROPERTY CONTROL

1. Property Ownership - Provide a copy of the excuted deed indicating the current owner of the property which is the subject of this application. Calpine has an option to purchase the BHEC Site from Ocean Spray Cranberries, Inc. See attached letter of authorization to proceed with permitting.

2. Leased Property - Provide a copy of the current lease, or a letter signed by the property owner describing the lease arrangement and the duration of the lease. The water supply Agreement between Calpine and Indian River County and the IRFWCD authorizes Calpine to use all rights-of-way and easements necessary for construction of the water supply pipelines and pump stations. Lease arrangements are also described in the Agreement. See Appendix 10.9.

II. LOCATION MAPS

Provide a recent map (preferably a USGS topographic quadrangle, a map from a county plat directory, or survey map) indicating the following:

See Figure 1
(a) property boundaries (include approximate lengths of boundaries in feet); (public supply water uses please show service areas)

See Figures 2 through 5
(b) All existing and proposed withdrawal point locations. Indicate well number and casing size for ground water withdrawals, and pump number and maximum pump capacity for surface water withdrawals;

(c) a north arrow;

(d) a scale designation - all maps should have a minimum scale of 1 inch = 2,000 feet; and

(e) labeled landmarks such as roads and political boundaries.

Please provide identification numbers and date permitted if you obtained or are in the process of obtaining any of the following permits for this project

Environmental Resource Permit (ERP)	in process of obtaining
EPA Ordered Environmental Impact Statements	N/A
Agricultural Discharge	N/A
FDEP Wastewater Site Identification No.	N/A
FDEP Public Water Supply (PWS) Identification No.	N/A

III. ADJACENT PROPERTY OWNERS

(not applicable to Secondary Users Permits)

Provide a complete list of adjacent property owners and mailing address as prescribed in Tables #3 and 4. Attach additional sheets as needed.

Name	Address	City	State	Zip Code
See attached table				

USE OF LOWEST ACCEPTABLE QUALITY WATER SOURCE

1. Are you proposing to use the most appropriate (lowest quality) source of water?
   Yes; see Attachment 10.1.4-A, Surface Water Use Impacts Assessment and Attachment 10.1.4-B, Water Supply Alternatives Analysis.
2. Is reclaimed water readily available as a source of water?
   Indian River County's reclaimed water is essentially committed to others for irrigation purposes.

WATER CONSERVATION PLAN

A water conservation plan must be submitted with this application. Please refer to Section 12.0 and Appendix I, Applicant's Handbook, Consumptive Uses of Water, for information on how to meet the District's requirements regarding water conservation. Available water conservation measures must be implemented pursuant to requirements in sections 10.2(e) and 12.0, A.H. These measures must be explained as part of this application.

See Attachment 10.1.4-B.

Table 3 - Ground Water Withdrawals

Withdrawal Amount	Property Owners to be Listed
Less than 1,000,000 gallons maximum per day –and- Less than 100,000 gallons per day annual average	None required
Max day is between 1 and 5 million gallons - or- Average day is between 100,000 and 500,000 gallons	All property owners within 600 feet of well or 100 feet of property boundary.
Max day is between 5 and 10 million gallons - or- Average day between 500,000 and 1,000,000 gallons	All property owners within 1,320 feet of each well or 200 feet of the property boundary.
Max day exceeding 10 million gallons -or- Average day exceeds 1,000,000 gallons	All property owners within 2,640 feet of the well, or 400 feet of the property boundary.

Table 4 - Surface Water Withdrawals

Withdrawal Amount	Property Owners to be Listed
Surface area of the withdrawal lake is less than 80 acres	All riparian land owners on lake and those up to 600 feet downstream if the lake has an outlet
Surface area of the withdrawal lake is greater than 80 acres	All riparian land owners up to 600 feet from the withdrawal point
Withdrawals from a stream and average daily pumpage is less than 5 million gallons	All riparian land owners up to 600 feet upstream and 1,320 feet downstream from the withdrawal point
Withdrawals from a stream and average daily pumpage is greater than 5 million gallons	All riparian land owners up to 1,320 feet upstream and 2,640 downstream from the withdrawal point

SECTION III

Applicant Checklist

Please verify that the following information has been provided as part of this application package:

	Attached
1. Appropriate Fee	$ Included in fee for Power Plant Siting Act
2. Signature of Applicant and/or Agent	X
3. Authorization from Owner for Agent (if Agent is listed on application)	X
4. Copy of Executed Deed or Lease Agreement	X
5. Location Map	X
6. List of adjacent land owners	X
7. Completed Water Use Type Package*	X
8. Water Conservation Plan	X

*NOTE: Applications for Public Supply, Commercial/Industrial, Agricultural, Aquacultural, Nursery/Fern, Golf Course Irrigation, Dewatering, and Landscape Irrigation water uses must also include the supplemental water use package specific to each use type. Those applying for a **Secondary Use Permit** must complete and submit each of the supplemenal water use packages that applies to their type use.

COMMERCIAL/INDUSTRIAL TYPE USES

(Submit 2 copies of application, supplemental information drawings, calculations, etc.)

I. PROJECT DESCRIPTION

1. Type of business and/or operation, please describe:
   Electric Power Plant

2 Requested Water Use:

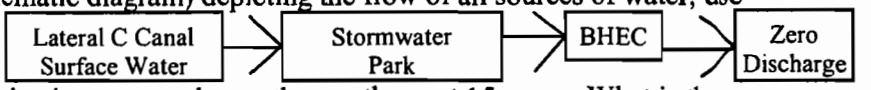
	Existing (mgd)	Proposed (mgd) 5 years	Proposed (mgd) 10 years	Proposed (mgd) 15 years	Proposed (mgd) 20 Years
Average Daily Use	0	2.9-Phase I 5.8-Phase I&II	same	same	same
Maximum Daily Use	0	4.1-Phase I 8.2-Phase I&II	same	same	same
Average Off-Site Discharge	0	0	0	0	0

*mgd - million gallons per day

3. Provide a graph (month vs mgd) or table summarizing monthly water use for the previous 3 years. Not applicable.

4. Provide a flow chart (schematic diagram) depicting the flow of all sources of water, use and eventual discharge.

See water balances in Attachment 10.1.4-A



5. Please provide a table projecting expected growth over the next 15 years. What is the reason for the expected growth?

No expected growth. Maximum proposed consumption is 8.2 MGD for Phase I and II.

II. WASTEWATER DISPOSAL

Describe in detail the flow of wastewater from the plant to its ultimate disposal. Also, provide the applicable Florida Department of Environmental Protection, Environmental Protection Agency permit numbers (EPA, FDEP) issued for discharge to surface waters. Attach daily flow amounts for effluent discharged to surface waters for the last 12 months. Include this information in the above requested schematic diagram.

Zero discharge. The Blue Heron Energy Center will not have any direct discharges to ground water, surface water, or percolation ponds. The BHEC is designed as a "zero wastewater discharge" facility.

III. REUSE

1. Provide water quality data for effluent discharged from this facility during the last 12 months. Not applicable.

2. Provide the level of water quality required for each individual manufacturing and cooling process. Provide supporting documentation as to water quality and quantity limitation of reuse for each component of the process.

   When utilizing a controlled heat dissipation device like a cooling tower, the water quality can be controlled by treatment of either the makeup water or a side stream from the device itself. The water within the cooling tower needs to be maintained within the narrow quality window between being scale-forming and being corrosive.

   To accomplish this control, two indexes have been defined. The theoretically based Langelier Index is defined as the difference between the actual pH and the pH at which a given water would be saturated with calcium carbonate. When the index is positive, the system has a tendency to deposit scale, but when it is negative, the system is considered to be corrosive. The desirable range for operation is between 0.5 and 1.0.

LETTER OF AUTHORIZATION

May 19, 2000

Robert M. Keating, Director
Community Development
Indian River County
1840 25th St.
Vero Beach, FL 32960

Dear Mr. Keating:

Ocean Spray Cranberries, Inc., hereby authorizes Calpine Eastern Corporation, a Delaware corporation, and Bruce Barkett/Collins, Brown, Caldwell, Barkett & Garavaglia, Chartered, as its agents to make application and proceed with site plan approval, right-of-way abandonment, and all related applications for the Blue Heron Energy Center to be located on the property described on Exhibit A, attached hereto.

Very truly yours,

OCEAN SPRAY CRANBERRIES, INC.

By: Innovation Technology Manager
Name: Brian Bogart
Its: BRIAN BOGART

J:\zoning\oceanspray.authorize.wpd 5/19/00 (mw)

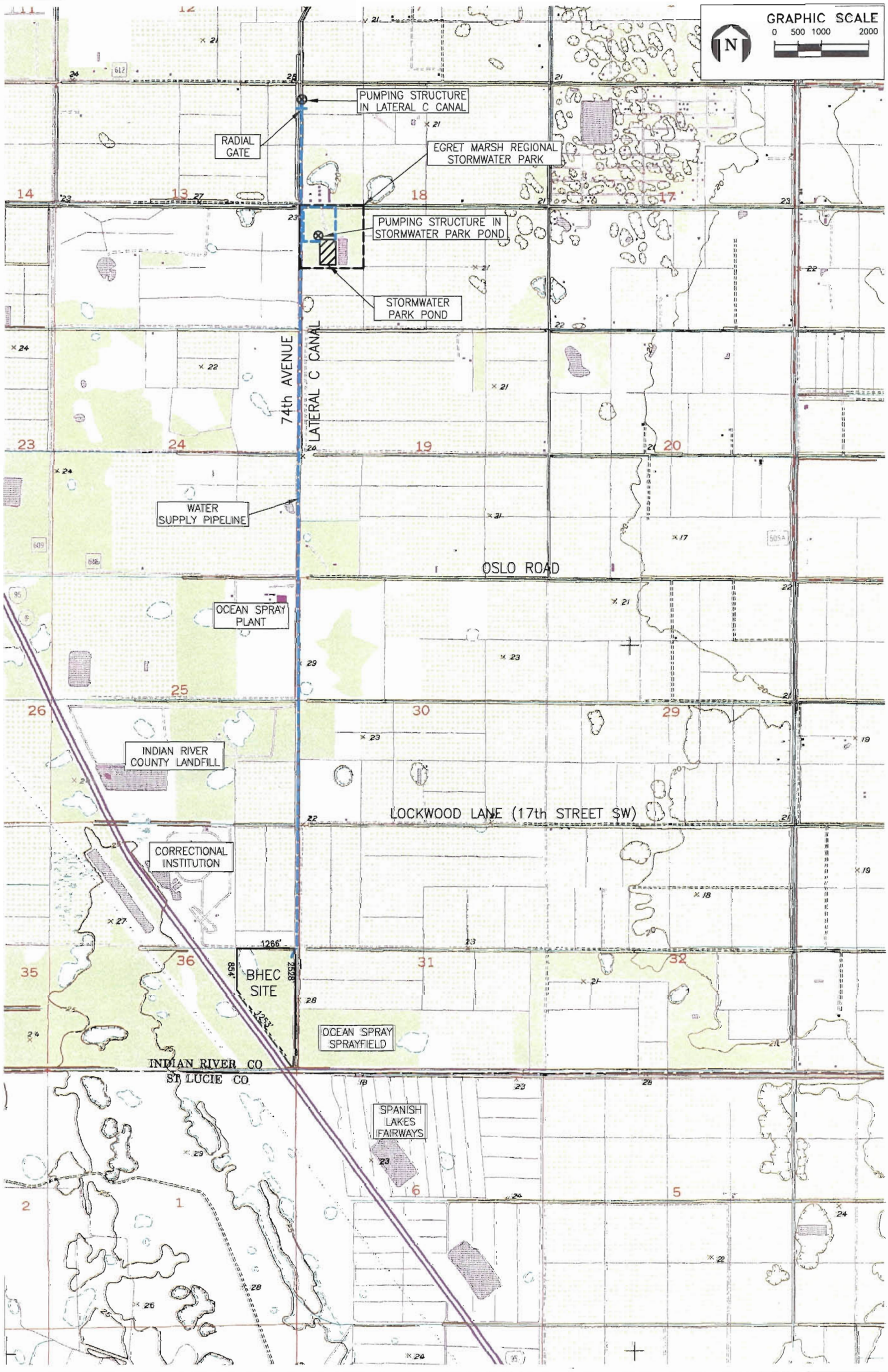


FIGURE 1. (REV. 1 - 12/04)

LOCATION OF PUMPING STATIONS AND PIPELINES FOR PLANT WATER SUPPLY

Sources: USGS Quad: Oslo, FL, 1983; ECT, 2004.

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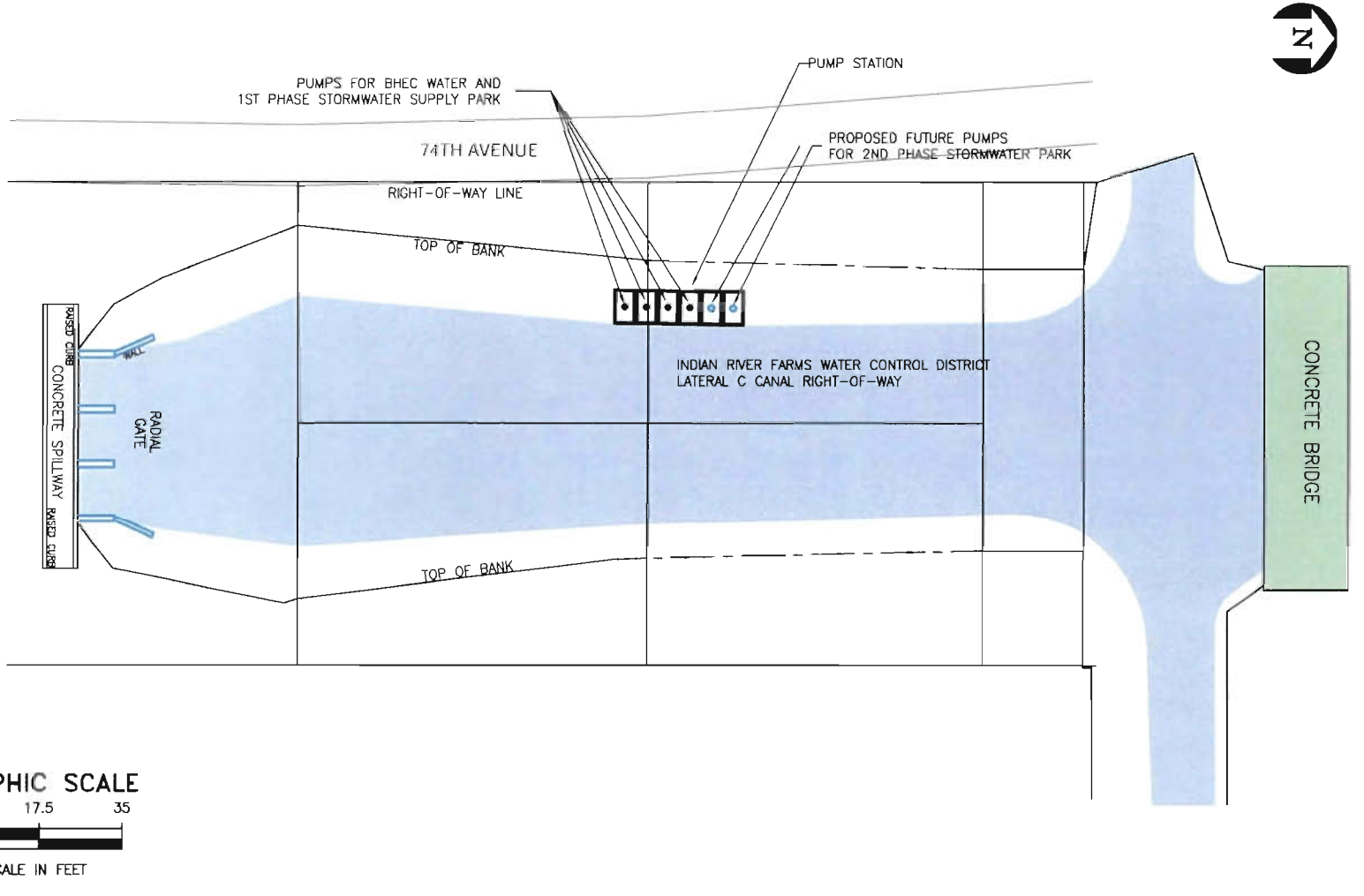

FIGURE 2. (REV. 1 - 12/04)

PUMP STRUCTURE LOCATION IN LATERAL C CANAL

SOURCE: Foster Wheeler Environmental, 2000 FCT, 2004.

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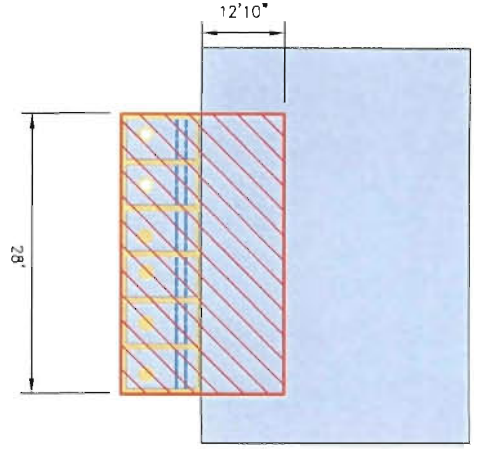
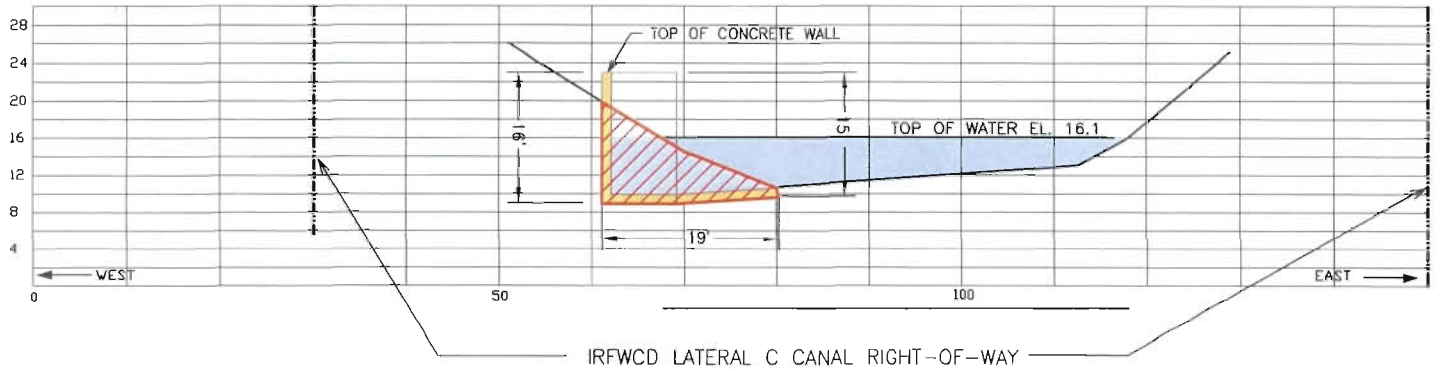


PLAN VIEW

LIMITS OF EXCAVATION



SECTION

FIGURE 3. (REV. 1 - 12/04)

PUMP STATION CROSS-SECTION IN LATERAL C CANAL

SOURCE: Foster Wheeler Environmental, 2000; ECT, 2004.

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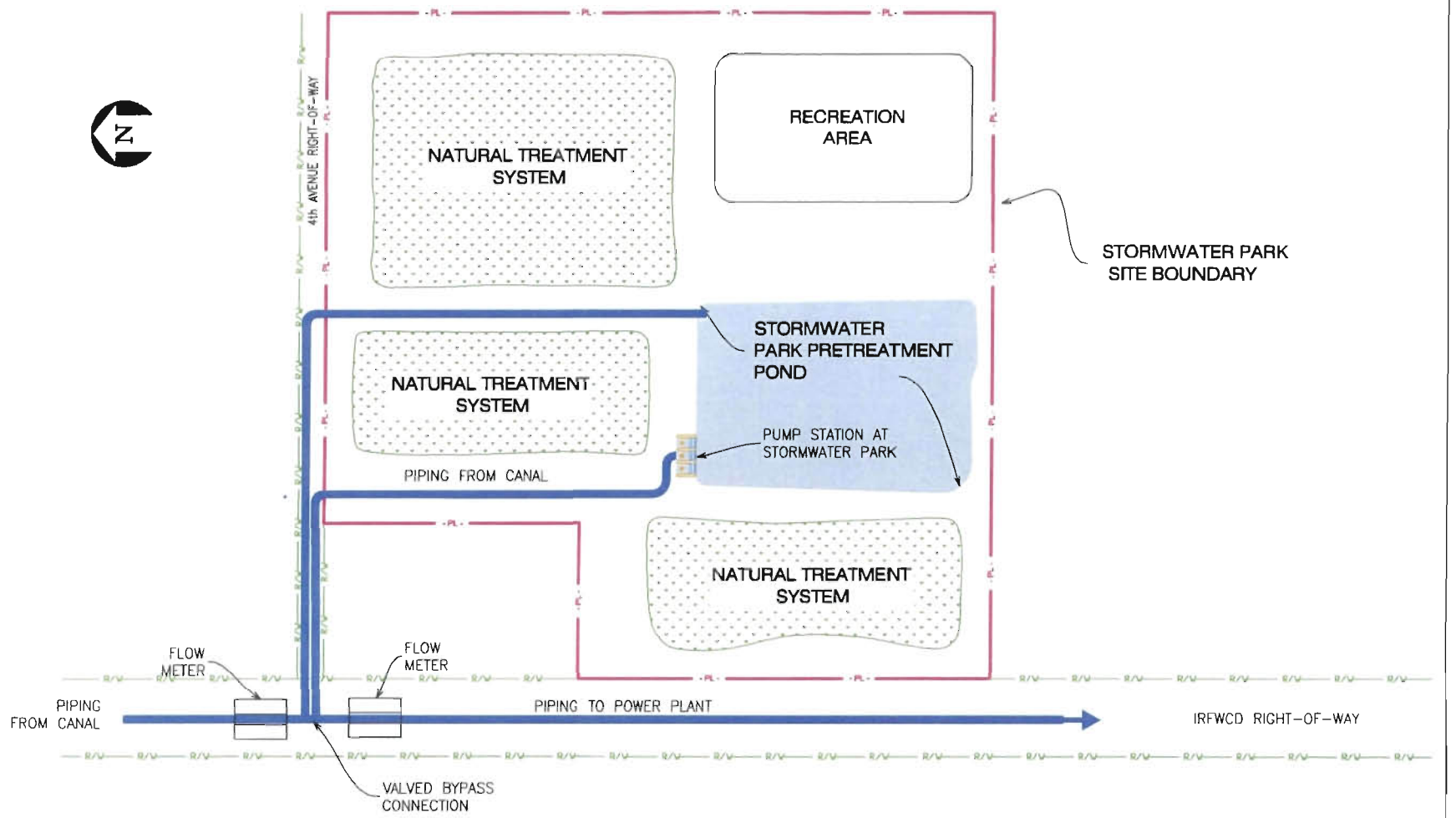

FIGURE 4. (REV. 1 - 12/04)

PIPING AND PUMP STATION LOCATION IN STORMWATER PARK

SOURCE: ECT, 2004.

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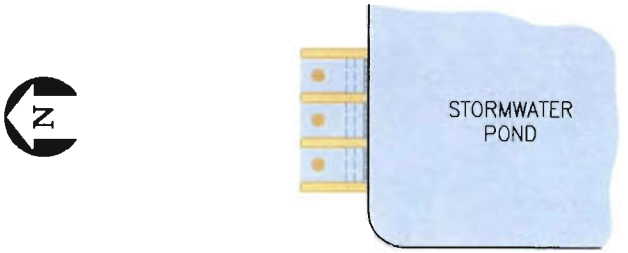
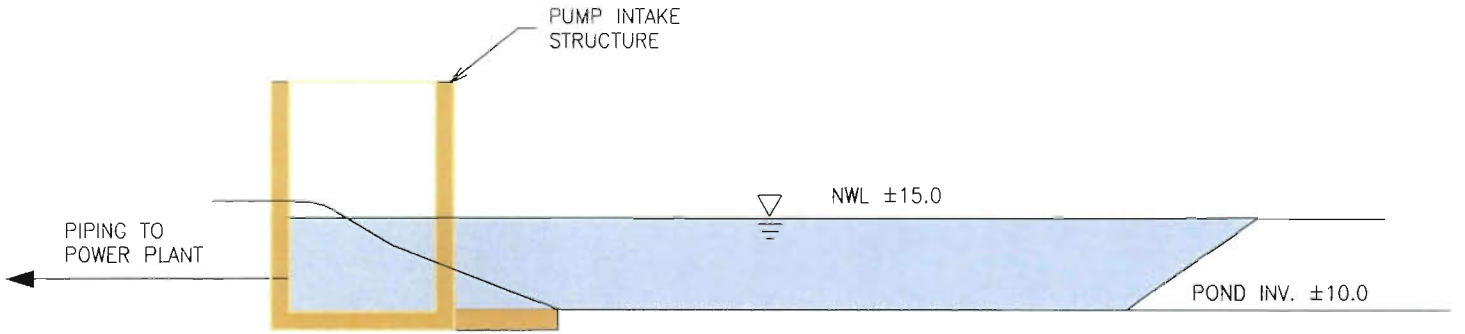


PLAN VIEW



SECTION

FIGURE 5. (REV 1 - 12/04)

PUMP STATION CROSS SECTION IN STORMWATER PARK

SOURCE: ECT, 2004.

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Adjacent Property Owners

No.	Name	Address	Parcel ID No.
1	Kennedy, Sara C	P. O. Box 189 Wabasso, FL 32970-0189	00001009000007.0
2	Kennedy, Kenneth P.	P.O. Box 189 Wabasso, FL 32970-0189	00001009000006.0
3	Holbrook, Sue K.	P.O. Box 189 Wabasso, FL 32970-0189	00001009000005.0
4	Kennedy, Purnell C.	P.O. Box 189 Wabasso, FL 32970-0189	00001009000004.0
5	Kennedy, Clyde	P.O. Box 189 Wabasso, FL 32970-0189	00001009000003.0
6	Kennedy, Nannie Lou	P.O. Box 189 Wabasso, FL 32970-0189	00001009000001.0
7	Lykes Bros Inc.	P.O. Box 1690 Tampa, FL 33601-1690	00001001000001.0
8	Beaty, Donald S.	P.O. Box 1259 Lake Wales, FL 33859-1259	00001016000001.0
9	Metz, Henry Kenneth Sr & Helen	5866 37th Street Vero Beach, FL 32960-6501	00001008000001.0
10	Gaidry, Deon D (TR)	7905 4th Street Vero Beach, FL 32968-9590	00001009000001.0
11	Cahill, Leo S Jr.	1195 43rd Avenue Vero Beach, FL 32960-6111	00001012000001.0
12	Indian River County, (LOC 4000 #5174)	(LOC 4000 #5174) 1840 25th Street Vero Beach, FL 32960-3384	00001012000001.0
13	Taylor, Beverly C.	7380 4th Street Vero Beach, FL 32968-9577	00001005000001.0
14	Detko, Catherine C.	P.O. Box 3234 Vero Beach, FL 32964	00001004000001.0
15	Freeman, Paul H (TR) c/o SE Citrus Capital Co.	11006 Okeechobee Road Ft Pierce, FL 34945-2347	00001011000001.0
16	Holbrook, Sue K (3/5) &	P.O. Box 189 Wabasso, FL 32970	00001012000003.0
17	Hale Family 1999 Limited Prtn, c/o Indian River Groves	P.O. Box 700217 Wabasso, FL 32970	00001013000001.0

ATTACHMENT 10.1.4-A

SURFACE WATER USE IMPACT ASSESSMENT

SURFACE WATER USE IMPACT ASSESSMENT

BLUE HERON ENERGY CENTER
INDIAN RIVER COUNTY, FLORIDA

Prepared for:

CALPINE
BLUE HERON
ENERGY CENTER

BLUE HERON ENERGY CENTER, L.L.C.
Tampa, Florida

Prepared by:

ECT

Environmental Consulting & Technology, Inc.
5405 Cypress Center Drive, Suite 200
Tampa, Florida 33609

ECT No. 000105-0200

October 2000
(Rev. 1—12/04)

PROFESSIONAL CERTIFICATION

This is to certify that the hydrologic analyses presented in this report for the Calpine Blue Heron Energy Center Project have been conducted by us or under our direction, and were found to be in conformity with sound engineering principles applicable to such projects.

Prepared by: _____

Richard J. Stebnisky, P.G.
Principal Hydrogeologist

Date: 12-15-04

Prepared by: _____

Ivan Chou, P.E.
Principal Engineer

Date: 12-16-2004

TABLE OF CONTENTS

LIST OF FIGURES

1.0 INTRODUCTION AND OBJECTIVES

This impact assessment of surface water withdrawals was developed in conjunction with the site certification application (SCA) for Calpine's proposed Blue Heron Energy Center (BHEC). This Site is located in the southeastern portion of Indian River County, approximately 5 miles southwest of the city of Vero Beach (Figure 1-1). Surface water use is proposed for the Project at an average rate of 5.8 million gallons per day (MGD), and a peak month use of 8.2 MGD. The direct source of the surface water for the Project will be the Egret Marsh Regional Stormwater Park, which will be developed and operated by Indian River County. Water provided to the Project from the stormwater park as well as other water treated in the park, will be withdrawn from the Indian River Farms Water Control District (IRFWCD) canal system. In addition to the water to be provided by BHEC, the first phase of the County's stormwater park will be designed to treat up to 10 MGD of surface water withdrawn from the canal system and up to a total of 20 MGD if the second phase of the park is developed. Water flowing through the park's treatment systems will be discharged back into the canal system and, therefore, is not considered a consumptive use of water.

The primary objective of this impact assessment is to fulfill federal, state, regional, and local regulatory requirements regarding the withdrawal and use of surface water for the Project. This report specifically addresses the Consumptive Use Permit (CUP) application elements that would normally be required by the St. Johns River Water Management District (SJRWMD). The CUP application for surface water withdrawals consists of the SJRWMD application form (Form 40C-2-1082-1), this impact assessment report (Attachment 10.1.4-A), and the Water Supply Alternatives Analysis, which is included as Attachment 10.1.4-B.

The purpose of this evaluation is to determine whether the proposed surface water use will cause significant detrimental impacts to the environment or to existing legal users of water.

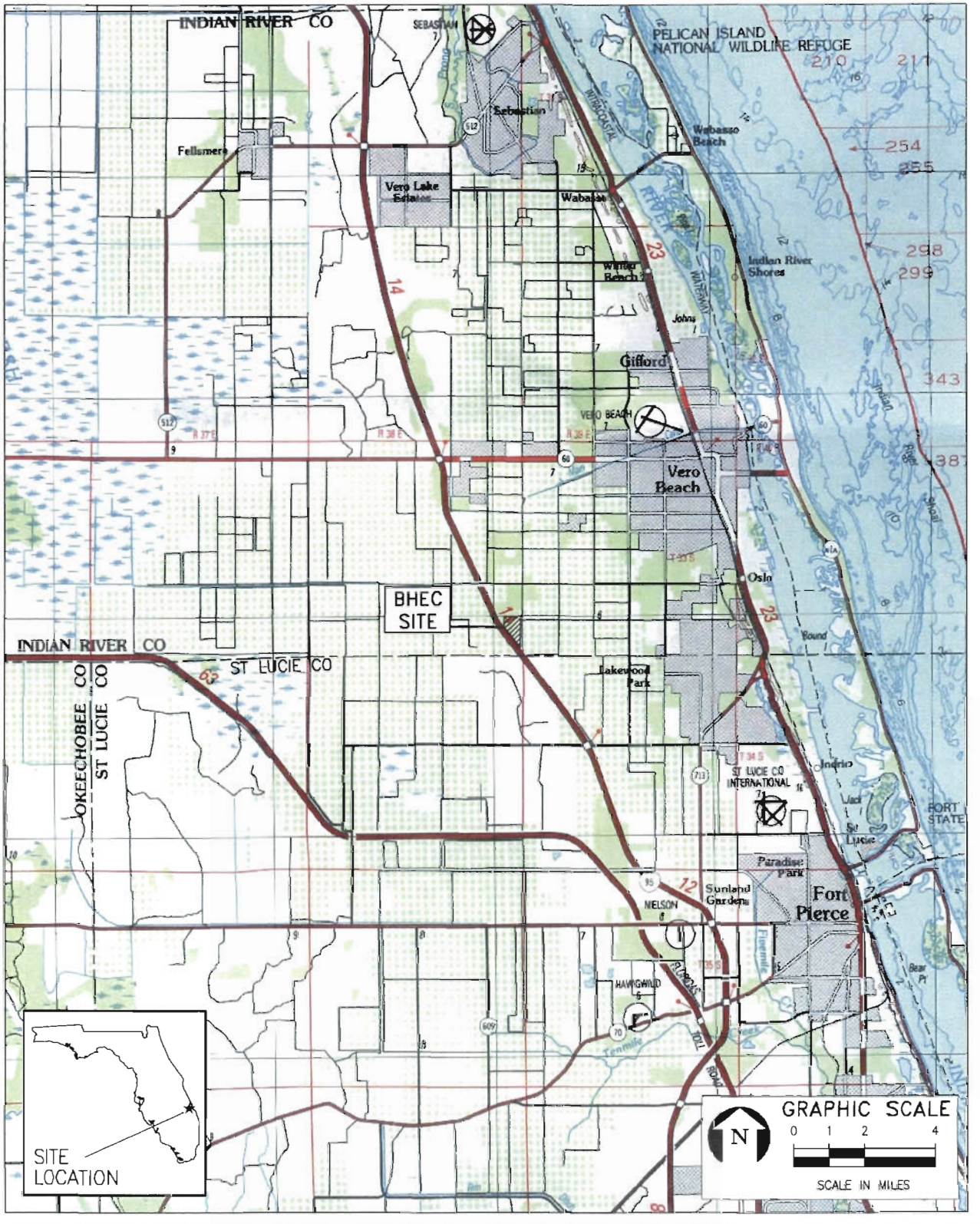

FIGURE 1-1.

BHEC SITE LOCATION MAP

Sources: USGS Quad: Ft. Pierce, FL, 1988; ECT, 2000.

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The impact assessment methods, results, and conclusions are provided in this report as supporting information for the SCA and the associated proposed use of surface water for the BHEC Project.

On August 12, 2004, Calpine entered into an "Agreement Concerning Delivery and Use of Stormwater" (Agreement) with Indian River County and IRFWCD. Under this Agreement, Indian River County will provide stormwater from the Egret Marsh Regional Stormwater Park for use as the primary source of water for the BHEC. The Agreement also allows Indian River County, at its option, to supplement the stormwater with a specified quantity of brine discharged from its South Plant reverse osmosis water treatment facility. A copy of this Agreement is provided in Appendix 10.9 of the BHEC SCA.

2.0 HYDROLOGIC SETTING AND WATER SUPPLY PLAN

2.1 HYDROLOGIC SETTING

A variety of hydrologic studies providing information for the Site area are available in the literature. Some of these studies have included modeling efforts completed and published by SJRWMD. These reports document climatic and hydrologic data in the Site area. Hydrologic information provided in this section is intended only as a summary of the more extensive descriptions provided in SCA Sections 2.3.3 (Site Water Budget and Area Users), and 2.3.4 (Surficial Hydrology). This section focuses on hydrologic aspects that are most pertinent to the CUP application, and the associated water supply plan and impact assessment.

The Project Site is located within the Indian River Farms Water Control District (IRFWCD). The IRFWCD was formed in 1919 to provide drainage and flood protection for a watershed area encompassing approximately 50,600 acres, and supplies water to local agriculture and golf course communities to assist with their irrigation needs. This area includes an interconnected canal network that is comprised of approximately 200 miles of canals. A system of levees shields the canal system from surface water inflow from outside the canal system. Figure 2-1 shows the layout of the canal system, as well as the locations of the BHEC Site, the County's stormwater park, and the proposed pump stations.

Agricultural use for irrigation is the primary use of ground water and fresh surface water in the County. Citrus groves are sometimes flood irrigated, wherein water is pumped from the canals into the groves to raise the water table temporarily. Following irrigation, the water is released into the nearest drainage canal. When water levels in the canals drop, ground water is released into the canals so as to be available for pumping. Low-volume irrigation systems, either jet spray or drip, are most commonly used. Although these systems generally rely on ground water from the Floridan aquifer, flood irrigation is used as a supplement during drought periods (SJRWMD, June 1994).

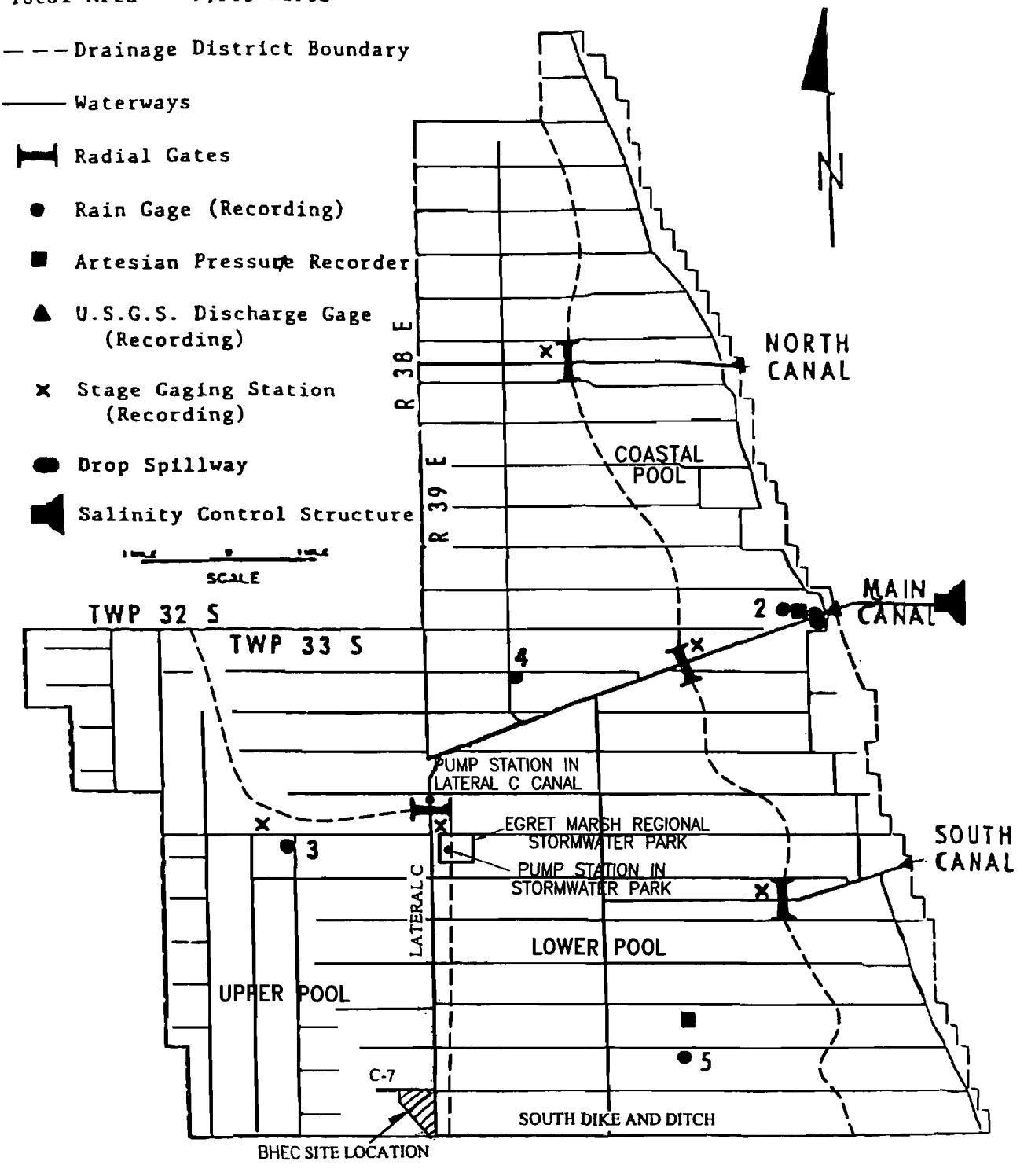

FIGURE 2-1. (REV. 1 - 12/04)

IRFWCD CANAL NETWORK AND GATE LOCATIONS

Sources: Carter Associates, 1990; ECT, 2004.

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The IRFWCD manages and controls water levels throughout its canal system. These actions are conducted under the jurisdiction of the SJRWMD. The IRFWCD maintains a consumptive use permit allowing withdrawal of up to 14.33 billion gallons annually for use in irrigation, plus additional water use for freeze protection. The IRFWCD operates four radial gate structures controlling water levels in the canals. These structures are operated for flood control and to maintain water storage for irrigation. Excess water in the canal system is discharged to the Indian River Lagoon. The terms of the consumptive use permit call for the IRFWCD to operate the gates to maximize the storage volume for irrigation, and minimize the discharge flow to the Indian River Lagoon.

Discharges from the canal system into the Indian River Lagoon occur at three primary outfalls, which are located at the eastern ends of the Main Canal, the North Relief Canal, and the South Relief Canal. The combined discharge from the canal system outfalls into the lagoon averages approximately 95 MGD (or 147 cubic feet per second), as described further in Section 3.1 of this report.

The Indian River Lagoon is a long and shallow estuary system that stretches along Florida's east coast for 156 miles, from Volusia County to Palm Beach County. The system encompasses several water bodies, including the Indian River in the south and the Banana River and Mosquito Lagoon in the north. The SJRWMD, in conjunction other agencies, has been working under the state's Surface Water Improvement and Management (SWIM) Act to address problems and major issues associated with the Indian River Lagoon. The SWIM plan identifies the lagoon's major problem as excessive inflow of freshwater, primarily stormwater runoff, which degrades shellfish habitat and introduces soils and pollutants (mainly nitrogen and phosphorus) that foster algae growth and kill seagrasses (SJRWMD, 1998).

The portion of the lagoon adjacent to Indian River County is known as the South Central Indian River Lagoon segment. The primary sources of pollutant loadings to this segment are urban and agricultural runoff conveyed by extensive drainage canal systems, and effluent from the City of Vero Beach wastewater treatment plant (SJRWMD, 1998). In

terms of lagoon water quality, the nutrient (total phosphorus) levels in this segment are higher than anywhere else in the Indian River Lagoon system, and low salinity values are attributed to the large volume of freshwater discharge flowing into the lagoon.

Surface waters in direct proximity to the Site include: the IRFWCD Sublateral C-7 Canal abutting the northern property boundary; Lateral C Canal, which is across 74th Avenue directly east of the Site; and an east-west trending drainage ditch along the southern property boundary (parallel to the Indian River and St. Lucie County line).

2.2 WATER SUPPLY PLAN

After consideration of various alternatives (see the Water Supply Alternatives Analysis, Attachment 10.1.4-B) and in accordance with the water supply Agreement with Indian River County and the IRFWCD, Calpine proposes surface water from the IRFWCD canal system provided through the Indian River County Egret Marsh Regional Stormwater Park as the primary water source for the BHEC. Section 3.5 of the SCA describes plant water use and provides detailed water balance diagrams for the expected annual average water use of 5.8 MGD, and for the peak water use of 8.2 MGD. Those water balance diagrams are reproduced here as Figures 2-2 and 2-3, respectively.

A pump station will be constructed at the withdrawal point, within the "lower pool", in the Lateral C Canal at a location just south of 8th Street (Glendale Road), and just downstream of a radial gate structure which separates the upper and lower pools (Figure 2-1). This location is approximately 0.5 mile north of the County's stormwater park and 3.5 miles north of the Site. A water supply pipeline will be constructed through existing IRFWCD rights-of-way from the canal withdrawal point to the stormwater park. Water withdrawn from the canal will be discharged into a pretreatment pond at the park. A pump station will be constructed in the pond to withdraw and pump water to the BHEC Site through a pipeline, again located in IRFWCD rights-of-way.

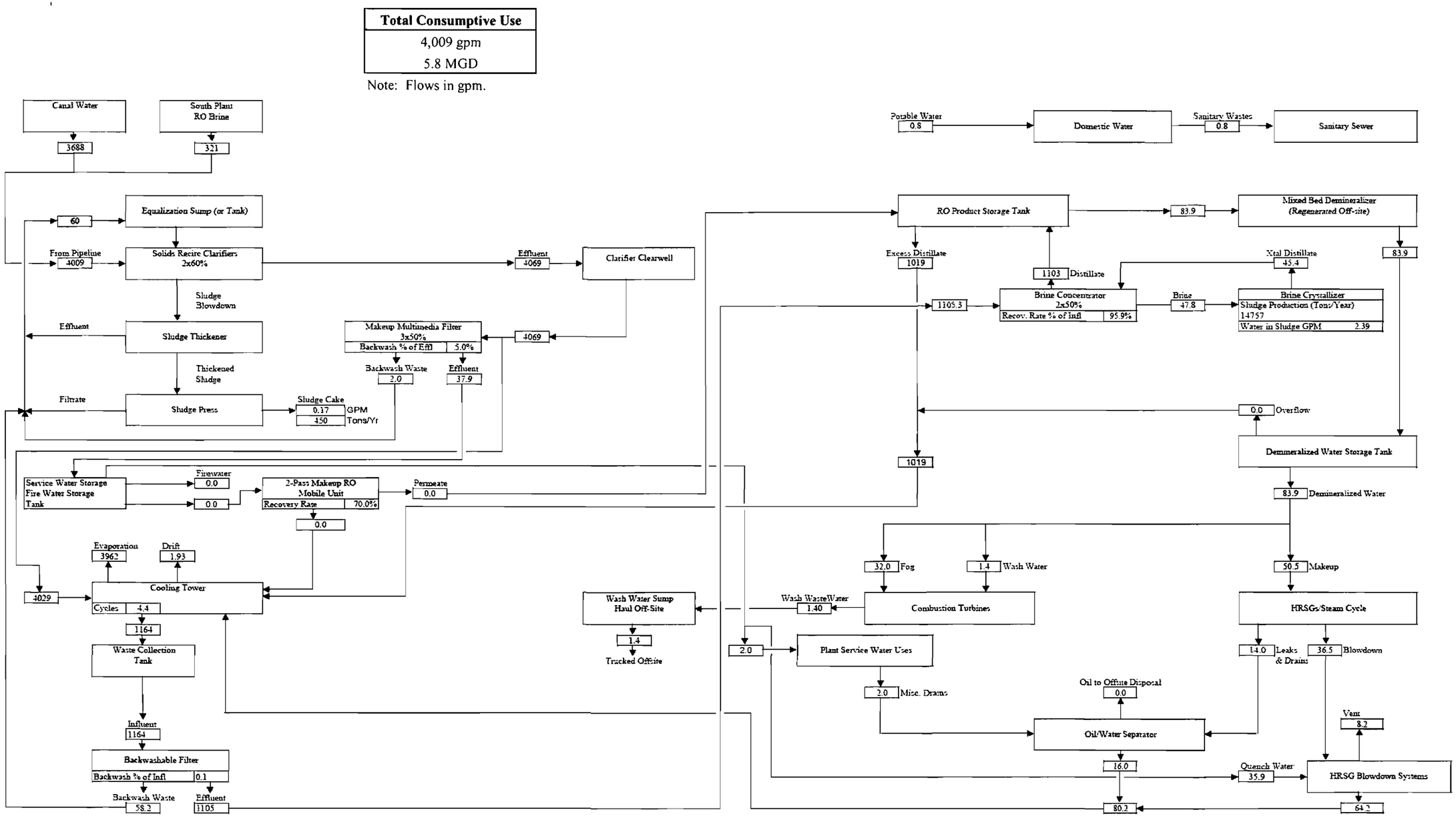

FIGURE 2-2. (REV. 1—12/04)

WATER BALANCE DIAGRAM—ANNUAL AVERAGE DAILY WATER USE

Source: Calpine, 2004.

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Total Consumptive Use

5,645 gpm

8.2 MGD

Note: Flows in gpm.

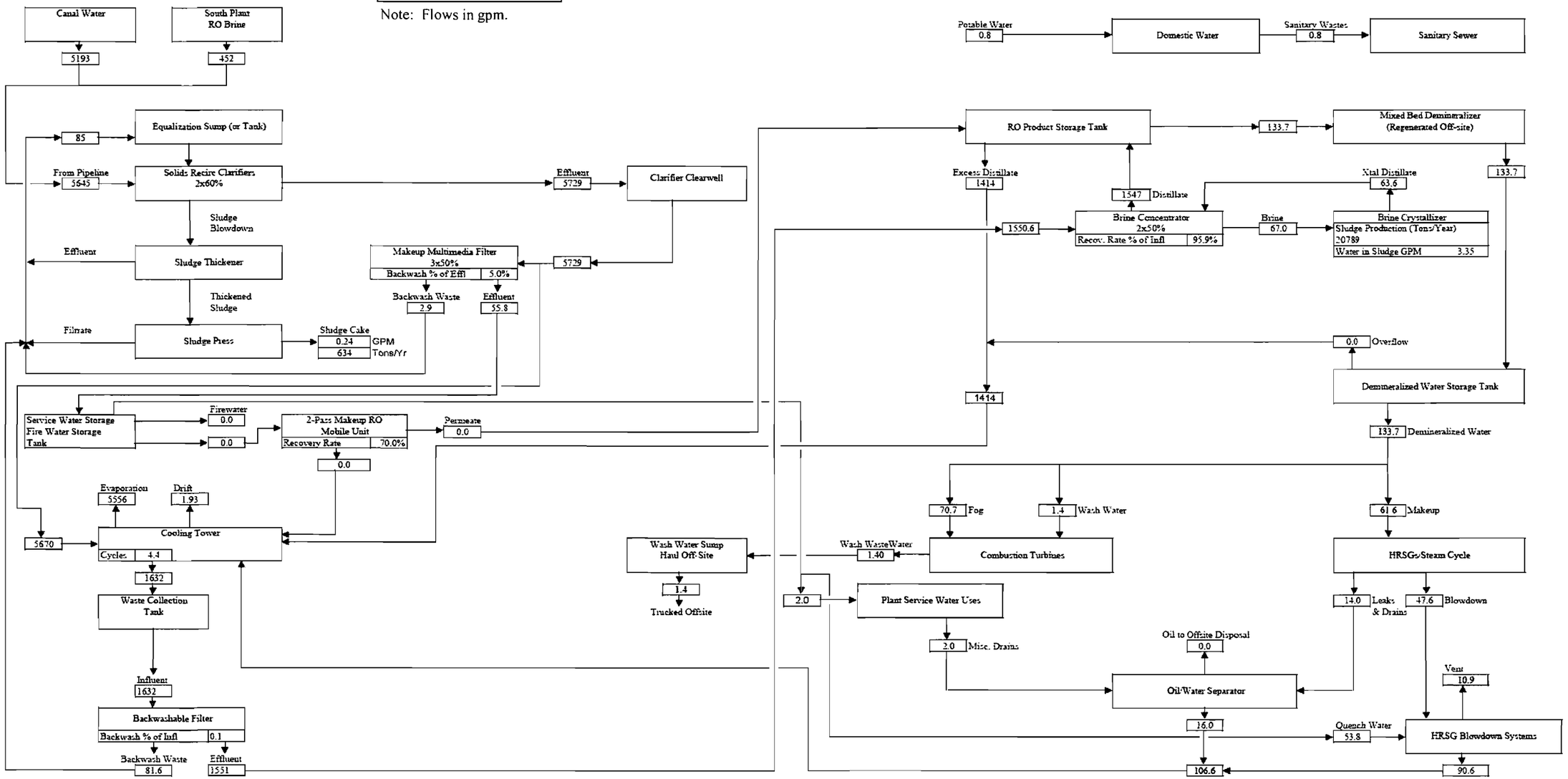

FIGURE 2-3. (REV. 1—12/04)

WATER BALANCE DIAGRAM—PEAK DAILY WATER USE

Source: Calpine, 2004.

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BLUE HERON
ENERGY CENTER

Under the Agreement, the IRFWCD will be responsible for establishing and modifying, as necessary, the minimum and maximum water level requirements in the canal system (i.e., "District's Water Level Guidelines") for withdrawal of water from the IRFWCD canal system for use by others, including Calpine.

Also, under the water supply Agreement, the BHEC will use brine from the Indian River County South Plant reverse osmosis water treatment facility as a supplemental water source. Subject to certain limitations, the Project will use brine at a rate of up to 8 percent of the total flow of surface water. However, the actual quantities of brine that will be provided to the Project are potentially variable and uncertain. Therefore, the brine quantities are not included as part of this CUP application; those quantities will simply offset actual withdrawals from the canal and stormwater park.

The BHEC will be connected to the Indian River County potable water and wastewater treatment systems for potable water supply and disposal of sanitary wastewaters, respectively.

The BHEC will be a zero wastewater discharge facility with regard to the National Pollutant Discharge Elimination System (NPDES) program. This means it will have no point source discharges of wastewaters or contaminated stormwater to surface waters. Also, the BHEC will not withdraw or use ground water.

3.0 METHODS AND RESULTS OF SURFACE WATER IMPACTS ASSESSMENT

This section describes the analytical methods and results of evaluations that were used to assess potential impacts from the proposed surface water use. The impact assessment results in this section are discussed further in Section 4.0.

3.1 EVALUATION OF HISTORIC FLOW DATA

As previously discussed, the IRFWCD drainage basin, with a total drainage area of approximately 50,600 acres, is characterized by a network of interconnecting drainage canals with a total length of approximately 200 miles. The canal system can be divided into three zones: upper pool, lower pool, and coastal pool (Figure 2-1). The water level in the upper pool is controlled by a radial gate located in the Lateral C Canal, and is generally maintained at approximately 18.5 feet above mean sea level (ft-msl). The upper pool discharges into the lower pool. The water level in the lower pool is controlled by three radial gate structures located in the Main Canal, North Canal, and South Canal. The water level in the lower pool is generally maintained at approximately 15.5 ft-msl. The lower pool discharges into the coastal pool. The lower portion of the coastal pool is hydraulically connected to the Indian River Lagoon at three primary outfalls located at the eastern ends of the Main Canal, South Canal, and North Canal.

Since 1949, the U.S. Geological Survey (USGS) has maintained three flow gauging stations located at the Main Canal outfall (USGS Station No. 02253000), the North Canal outfall (USGS Station No. 02252500), and the South Canal outfall (USGS Station No. 02253500). These flow-gauging stations measure daily discharges from the coastal pool into the Indian River Lagoon. The long-term discharge flow data from January 1, 1949, through February 19, 2000, are summarized as follows:

Flows (MGD)	Main Canal	North Canal	South Canal	Total*
Average	48.3	20.8	25.7	94.7
Daily maximum	1,182.7	1,021.2	1,150.4	3,121.6*
Daily minimum	0.01	0.39	0.35	3.65*

* Flows for the three canals are not additive for total since maximum and minimum flows for each canal occur on different days.

Sources: USGS, 2000.
ECT, 2000.

These flow data represent the combined contributions from all three pools in terms of discharge to the Indian River Lagoon. The data indicate an average net discharge of 94.7 MGD, and a minimum net discharge of at least 3.65 MGD on any given day in the past 50 years. Monthly average and minimum discharge flow rates at each of the three canal outfalls are shown in Figures 3-1 and 3-2, respectively.

These historic flow (discharge) data represent total outflows from the canal system, including the coastal pool. Because the proposed water use source is the lower pool, the downstream coastal pool's contribution to these flows must be factored out in order to assess the Project's induced effects on the lower pool's water levels and discharge flows. The coastal pool drainage area is approximately 10,860 acres, or 21.5 percent of the total drainage basin of IRFWCD. Therefore, the total daily discharge from the lower pool was computed to be 78.5 percent of the total flow from three USGS gauging stations. (Data from January 1, 1949, through November 30, 1950, were discarded due to frequent missing values. As such, the daily flow data from December 1, 1950, through February 19, 2000, were used for this analysis.)

The computed results of the lower pool daily discharge rate for the historic 50-year data record is summarized as follows:

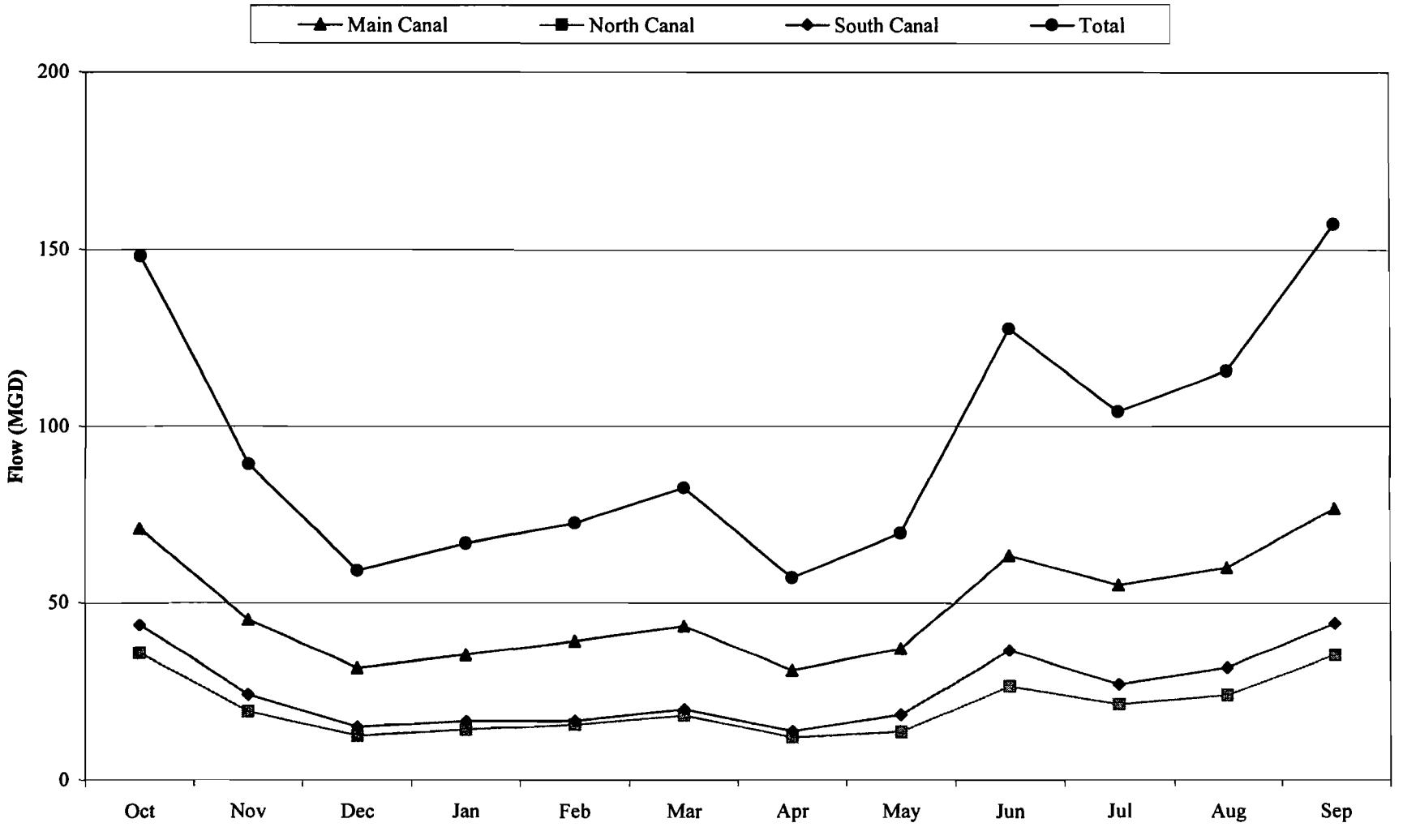

FIGURE.3-1.

MAIN, NORTH, AND SOUTH CANALS—MONTHLY AVERAGE FLOW (1/1/49—9/30/96)

Sources: USGS, 2000; ECT, 2000.

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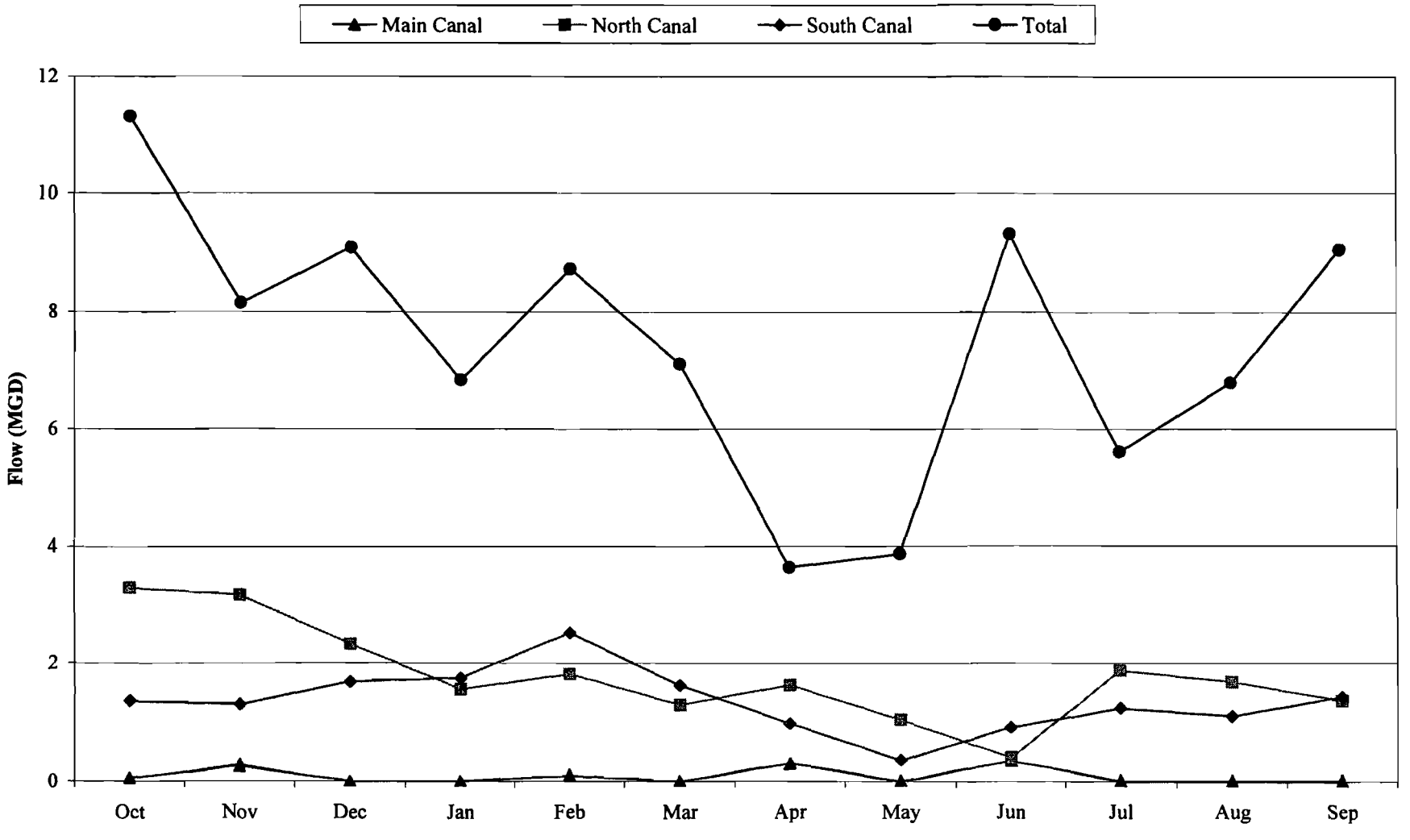

FIGURE 3-2.

MAIN, NORTH, AND SOUTH CANALS—MINIMUM MONTHLY FLOWS (1/1/49—9/30/96)

Sources: USGS, 2000; ECT, 2000.

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Parameter	Flows (MGD)
Daily average	74.8
Daily minimum	2.86
Daily maximum	2,452
Minimum 10-day average	6.91
Minimum 11-day average	7.71

Source: ECT, 2000.

The computed values indicate that the average discharge flow rate from the lower pool was 74.8 MGD, and the lowest daily flow in 50 years was 2.86 MGD.

3.2 IMPACTS TO FLOWS AND WATER LEVELS

BHEC proposes to withdraw water from the pretreatment pond at the Indian River County Egret Marsh Regional Stormwater Park. The water in the stormwater park provided for the BHEC's use will be withdrawn from the lower pool of the IRFWCD canal system at a location immediately downstream of the Lateral C radial gate. The proposed annual average water withdrawal rate from the lower pool is 5.8 MGD, and the peak daily withdrawal rate is 8.2 MGD for any given month.

Detailed hydrologic analyses were conducted to assesses potential hydrologic impacts from the proposed water use; specifically, water level drawdowns in the lower pool, and reduced discharge flow rates from the lower pool to the coastal pool. Real-time simulations were conducted for a 50 year period using historic daily discharge rates from the lower pool (Section 3.1) and the Project's annual average withdrawal rates (i.e., 5.8 MGD) to predict:

1. The daily lower-pool water-level elevation; and
2. The daily lower-pool discharge rate to the coastal pool.

The calculations were based on the mass balance in the lower pool, which has a water surface area of approximately 780 acres at 15.5 ft-msl, and the stage/discharge relations at the radial gates. Each of the radial gates consists of a composite rectangular weir with two control elevations. The lower invert elevations at the North Canal, Main Canal, and South Canal radial gates were 15.08 ft-msl, 15.11 ft-msl, and 15.48 ft-msl, respectively.

Subsequently, a variety of statistical analyses were used to evaluate the 50 years of daily data.

Results of the 50-year real-time simulations of the lower pool water levels and discharge flow rates are summarized as follows:

Parameters	Historic Condition	BHEC Use Condition
Daily average flow (MGD)	74.8	69.0
Minimum daily flow (MGD)	2.86	0.0
Probability of zero flow (%)	0	0.17
Number of days with zero flow in 50 years	0	30
Median water level (ft-msl)	15.79	15.72
Average water level (ft-msl)	15.95	15.89
Minimum water level (ft-msl)	15.23	15.04
Maximum drawdown below existing water level (ft)	—	0.33
Average drawdown below existing water level (ft)	—	0.06
Maximum drawdown below weir invert (ft)	—	0.04
Maximum consecutive days when water level is below weir invert	—	9

Source: ECT, 2004.

The simulation results indicate the proposed water use would reduce the average discharge from the lower pool by 7.8 percent, from 74.8 MGD to 69.0 MGD. The average water-level drawdown in the lower pool would be approximately 0.06 ft below the existing water level and there is a 10 percent probability (i.e., frequency) of a 0.09 ft drawdown, or greater, below the existing water level. These conditions would not cause significant adverse impacts of any kind.

During extremely dry periods, the proposed withdrawal may cause the water level to drop below the weir control elevation. The proposed water use, under the worst-case conditions, would preclude discharges from the lower pool only 0.17 percent of the time, or less than 1 day per year. Assuming the average pumping rate by BHEC, the absolute worst-case day for the 50 years simulated showed that the lowest water level in the lower pool would be 0.04 ft below the weir control elevation, and the maximum water-level drawdown would be approximately 0.33 ft below the existing water level for the worst-case day of the 50-year period. The longest number of consecutive days with no discharge from the lower pool would be 9 days and this would occur only once in 50 years. Further,

it is estimated that the maximum withdrawal rate may change the canal flow velocity by no more than 0.05 feet per second, a negligible amount.

The results of the hydraulic analyses indicate there is sufficient water supply in the IRFWCD to support the proposed water use for the Project. The induced drawdown in the lower pool would average only 0.06 ft below the existing water level. The lower pool has a large storage volume, and the worst-case minimum water level (or maximum drawdown) would only be approximately 0.04 ft below the weir control elevation. Therefore, the proposed water use will not cause significant adverse impacts on the IRFWCD's water supply system.

Regarding water quality impacts, the proposed BHEC facility is a zero wastewater discharge facility. All wastewater will be reused or evaporated, and the residual solids will be disposed at a permitted site. Therefore, the proposed Project will have no adverse surface water quality impacts.

4.0 DISCUSSION AND CONCLUSIONS OF IMPACTS ASSESSMENT

SJRWMD utilizes specific criteria, "a three fold- test," to evaluate potential impacts from a new surface water use that is proposed in the context of a CUP application. To satisfy the SJRWMD Conditions for Issuance of Permits (Section 40C-2.301[2], Florida Administrative Code [F.A.C.]), the applicant must establish that the proposed use of water:

1. Is a reasonable beneficial use.
2. Is consistent with the public interest.
3. Will not interfere with any presently existing legal use of water.

The *Applicant's Handbook: Consumptive Uses of Water* (the "Handbook" [SJRWMD, 1999]) provides guidance on the interpretation of these criteria. Further, a proposed use explicitly does not satisfy these criteria if the proposed use will:

- Significantly induce saline water encroachment; or
- Cause a water level to be lowered so that stages or vegetation will be adversely and significantly affected on lands not controlled by the applicant; or
- Cause a ground water level to be lowered so that significant and adverse impacts will affect existing legal users; or
- Require the use of water that has been reserved from use by Rule 40C-2.301(6); or
- Cause a violation of *minimum flows* for surface waters established in Chapter 40C-8, F.A.C.; or
- Cause a violation of *minimum levels* for surface waters or ground waters established in Chapter 40C-8, F.A.C.

The proposed use of surface water by the Project is evaluated below with regard to these specific criteria and in light of the impacts assessment results. As described below, the proposed use of surface water for the Project is a reasonable beneficial use that will not interfere with any presently existing legal use. Further, the proposed use of water for the Project is consistent with the public interest and will not cause any significant adverse impacts.

4.1 REASONABLE BENEFICIAL USE

A *reasonable beneficial use* is defined in Section 373.019(4), Florida Statutes, as:

> the use of water in such quantity as is necessary for economic and efficient utilization for a purpose and in a manner which is both reasonable and consistent with the public interest.

Based on statutory guidance and a list of factors to consider from State Water Policy, SJRWMD has identified 13 specific criteria that must be met in order for a water use to be considered reasonable beneficial. The 13 criteria are listed in Section 10.3 of the Handbook (SJRWMD, 1999). Many of these criteria evaluations are manifest in Sections 4.2 through 4.6 below.

All of the statutory and SJRWMD rule criteria for a reasonable beneficial use will be satisfied by the proposed use of surface water for the BHEC. This conclusion is supported by the evaluations set forth in the SCA, the Water Supply Alternatives Analysis (see Attachment 10.1.4-B), and this CUP application impacts assessment report.

The source of the water (the IRFWCD canal system) is clearly capable of producing the proposed quantities of water. The proposed water source is the lowest acceptable-quality water source available that can provide the needed quantities and be consistent with the public interest. Other sources of water considered are described in the Water Supply Alternatives Analysis, which is included as Attachment 10.1.4-B.

The proposed annual average use of 5.8 MGD for an electrical power plant that will generate 1,080 MW (nominal) is quite reasonable. Indeed, most combined cycle power plants use more water per MW than the proposed Project. Typically, combined cycle (CC) power plants have used fuel oil as an alternate fuel, which usually results in the use of additional water to control the facility's airborne emissions of oxides of nitrogen (NO_x). A typical 1,000-megawatt CC facility burning fuel oil would use approximately 1 MGD more than the Project will need to produce an equivalent amount of electricity.

The project has been designed to maximize recycling of water, and minimize the use of water, to the greatest extent practicable. The project also has been designed to preclude the use of potable-quality water for process and cooling water needs. The use of brine from the Indian River County system will also preclude the use of better quality water from other sources. Of the 5.8 MGD of water needed for the Project on an annual average basis, it is anticipated that the County will typically provide between 0.0 MGD and 0.46 MGD brine as a supplemental water source. Water used will be repeatedly recycled in an extremely efficient manner. The Water Conservation Plan is provided in the Water Supply Alternatives Analysis, which is included as Attachment 10.1.4-B.

The BHEC is proposed to be a zero wastewater discharge facility with regard to the NPDES program. This means it will have no point source discharges of wastewaters or contaminated stormwater to surface waters. All wastewater will be repeatedly recycled and eventually evaporated, and the residual solids will be disposed at a permitted site. Therefore, the proposed water use will not cause or contribute to a violation of state water quality standards in receiving waters of the state; the Project will have no adverse impacts on surface water quality.

4.2 THE PUBLIC INTEREST

For the reasons set forth below, the proposed Project is consistent with the public interest. Indeed, the Project will provide a variety of significant environmental and economic benefits to the public. In turn, the proposed use of water for the Project is consistent with the public interest.

As explained in Chapter 1.0 of the SCA, peninsular Florida has an immediate need for the electrical power that will be generated by the Project.

The Project will use clean natural gas and state-of-the-art technology to generate electricity in an extremely efficient and environmentally friendly manner. As described in Section 1.0 of the SCA, the Project will use less fuel to generate electricity than most power plants. The Project also is expected to displace electrical production at older, less effi-

cient, and more polluting facilities. Thus, the Project will provide needed electrical power, while producing less pollution than most other facilities, thereby reducing the overall impacts of power generation activities in Florida.

Chapter 1.0 of the SCA describes the need for the Project within the Peninsular Florida electrical system. The Project is needed for electrical system reliability and integrity. Also, the Project will assist in fulfilling the need for adequate electricity supply at a reasonable cost. The Project will sell electricity to other utilities. Consequently, when the Project sells power, it will enable other utilities to enjoy cost savings, which presumably will be passed on to the utilities' retail customers throughout peninsular Florida.

In the region of the Project, the SJRWMD is currently discouraging use of ground water and encouraging ground water users to convert to surface water sources. In the public interest, this Project proposes no use of ground water. Rather, this Project proposes to meet its water needs through use of excess surface water from the IRFWCD canal system and brine from the County system.

The BHEC is proposed to be a zero wastewater discharge facility with regard to the NPDES program. This means it will have no point source discharges of wastewaters or contaminated stormwater to surface waters. This also means that water use will be extremely efficient.

The Project will help protect water quality in the Indian River Lagoon in ways that are fully consistent with the Master Stormwater Management Plan for the East Indian River County watershed (see SCA Section 2.3.4). Various publications by the SJRWMD indicate that excessive freshwater discharges to the Indian River Lagoon are considered a major problem. The excessive freshwater discharges tend to reduce salinity and introduce sediments and nutrient pollutants to the lagoon, which have the effect of degrading shellfish habitat, fostering algae growth, and killing seagrasses. The proposed withdrawals from the IRFWCD canal system for this Project will induce beneficial effects by reducing these problematic freshwater discharges from the coastal pool to the Indian River Lagoon by an aver-

age of 6 percent. Consequently, the canal water withdrawals will reduce by approximately 6 percent the ongoing nutrient pollutant loading to the lagoon, and may slightly boost the lagoon salinity levels locally. These beneficial effects are clearly in the public interest.

Similar benefits in the public interest will result from the Project's use of brine wastewater from the County system. The Indian River County South Plant water treatment facility discharges brine into the IRFWCD canal system, which ultimately discharges into the Indian River Lagoon. The Project will reduce the brine wastewater discharges to the Indian River Lagoon as well as any impacts that may be associated with that portion of the discharge. For all of these reasons, this water use is clearly consistent with the goals of the aforementioned Master Stormwater Management Plan.

4.3 INTERFERENCE WITH PRESENTLY EXISTING LEGAL USES

The SJRWMD Handbook (Section 9.4.4) presumes that an interference with a legal use of water occurs when a new withdrawal would result in a 10 percent or greater reduction in the withdrawal capacity of the existing legal use, or when the existing user experiences economic, health, or other type of hardship as a result of the new use. As a practical matter, this criteria is more often a concern with new ground water use impacts on other ground water users, and less often a concern with surface water use.

Section 3.3 in the SCA identifies existing legal users of water in the area of the Project. Based on the impact assessment results, only 0.06 ft of average water level drawdown would occur in the lower pool of the canal under the average conditions evaluated. This minimal drawdown will not cause a 10 percent reduction in the withdrawal capacity of any existing legal use of water, and it would not cause any existing user to experience economic, health, or other type of hardship. Similarly, no significant adverse impacts are expected to occur under severe drought and maximum use conditions.

These evaluations indicate that the proposed withdrawals are not likely to cause significant adverse impacts to any existing legal use of water.

4.4 SALINE WATER ENCROACHMENT

A CUP may be denied by SJRWMD if the proposed use would cause significant saline water intrusion. The SJRWMD defines significant saline water intrusion as saline water encroachment which detrimentally affects the applicant or other existing legal users of water, or is otherwise detrimental to the public interest.

As previously described, the proposed surface water source is from the lower pool of the IRFWCD canal system provided through the Indian River County stormwater park. Fresh water flows out of the canal system and discharges into the relatively saline Indian River Lagoon. The lower-pool gate-structures are situated at elevations that are above the water levels in the coastal pool and the Indian River Lagoon (which are hydraulically connected). The proposed withdrawals from the lower pool will have no affect on these relationships. Consequently, saline water in the Indian River Lagoon cannot encroach into the fresh water lower pool. Therefore, the proposed withdrawals will not cause significant saline water intrusion.

4.5 OFFSITE DAMAGES

A proposed water use that would cause an unmitigated adverse impact on an existing adjacent land use is considered inconsistent with the public interest; any such impacts must be mitigated by the permittee. Examples of adverse impacts include: significant reductions in water levels in an adjacent surface water body; significant potential for land collapse or subsidence caused by a reduction in water levels; and damage to crops, wetlands, or other types of vegetation.

Wetlands can show adverse impacts if significant drawdowns are maintained permanently or for long periods of time. As a general rule of thumb, the SJRWMD staff tends to view a sustained drawdown of as little as 0.35 ft as having potential to cause adverse impacts to some types of wetlands. The surface water drawdown estimates indicate an average of only 0.06 ft, and only a 10 percent probability (i.e., frequency) of drawdowns of 0.09 ft in the lower pool of the canal system. Therefore, the proposed withdrawals are not expected to

cause significant adverse impacts to any offsite wetlands or to the functions of any such wetlands.

Land use adjacent to the withdrawal points in the stormwater park and Lateral C Canal are dominated by agriculture use (see Figure 2.2.3-1 in the SCA). Surface water drawdowns are estimated to be quite minimal. These drawdowns are not expected to cause any unmitigated adverse impact on agricultural crops, vegetation, or any other existing adjacent land use.

The surface water withdrawals are not expected to induce land subsidence and will not cause or contribute to flood damage in any way.

The proposed water use is not expected to cause any unmitigated adverse impact on existing adjacent land use. Further, the BHEC will mitigate adverse impacts on an existing adjacent land use if any should occur.

4.6 MINIMUM FLOWS AND MINIMUM LEVELS

Chapter 40C-8, F.A.C., has established minimum flows and water levels for specified water bodies. None of these specified water bodies are in close proximity to the Site area. Section 3.0 of this report presents the estimated effects of the proposed canal water withdrawals. The proposed withdrawals will have no influence, and therefore no adverse impacts, on any of the specified water bodies. Similarly, the project will not require the use of water that has been reserved from use by Rule 40C-2.301(6), F.A.C.

REFERENCES

St. Johns River Water Management District (SJRWMD). 1994. Evaluation of Pollutant Loadings and Best Management Practices for Discharges from Primary Water Control Districts in Indian River County to the Indian River Lagoon Basin.

St. Johns River Water Management District (SJRWMD). 1998. The Indian River Lagoon: Fast Facts.

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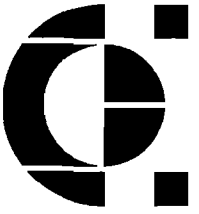
ATTACHMENT 10.1.4-B

WATER SUPPLY ALTERNATIVES ANALYSIS

WATER SUPPLY ALTERNATIVES ANALYSIS

BLUE HERON ENERGY CENTER
INDIAN RIVER COUNTY, FLORIDA

Prepared for:



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Prepared by:

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ECT No. 000105-0200

October 2000
(Rev. 1—12/04)

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1.0 INTRODUCTION AND BACKGROUND

Blue Heron Energy Center, L.L.C. (Calpine) is planning to construct and operate a new electric power plant in Indian River County, Florida. The Blue Heron Energy Center (BHEC) will be located on an approximately 50.5-acre parcel in southeastern Indian River County, approximately 5 miles southwest of Vero Beach, Florida (see Figure 1-1). The natural gas-fired 1,080-megawatt (MW) (nominal) power plant will use Siemens Westinghouse Power Electric Corporation 501 combustion turbine generators (CTGs).

The BHEC's three main water needs are for heat dissipation, potable/sanitary, and process water systems. The heat dissipation system is expected to consist of a circulating water (condenser and auxiliaries cooling) system with evaporative cooling towers. Process water needs will be used for CTG steam injection, heat recovery steam generators (HRSGs) makeup, and inlet air foggers. As with most power plants, the largest consumptive need will be for cooling. The preliminary plans for the BHEC indicate that the power plant will require, on an annual average, approximately 5.8 million gallons of water per day (MGD), and the expected peak demand will be approximately 8.2 MGD.

Potential water sources identified for the BHEC's use include: (1) ground water from the surficial aquifer; (2) ground water from the Floridan aquifer; (3) excess surface water from the Indian River Farms Water Control District (IRFWCD) canal system and/or Indian River County stormwater park; (4) brackish water from the Indian River Lagoon; (5) reclaimed water from the existing Indian River County reclaimed water system; (6) stormwater; and (7) reverse osmosis (RO) brine discharge water from the County's potable water treatment plant. These sources were examined in terms of water quantity, water quality, and technical and economical feasibility. Acceptable sources were matched to the BHEC's water needs so that the lowest quality water was used for each need, whenever feasible.

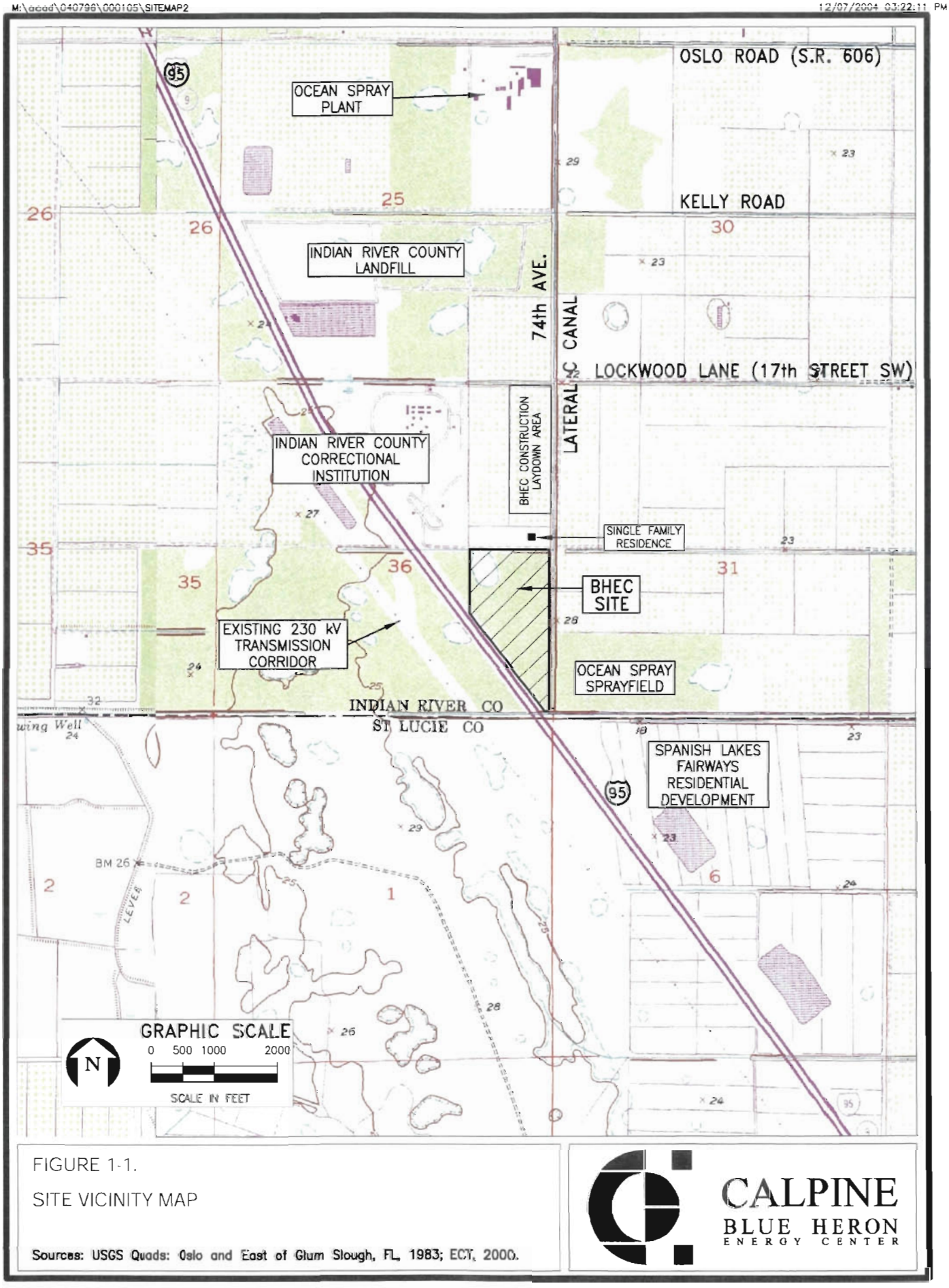

FIGURE 1-1.

SITE VICINITY MAP

Sources: USGS Quads: Oslo and East of Glum Slough, FL, 1983; ECT, 2000.

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Throughout the planning process, Calpine worked closely with representatives of Indian River County, IRFWCD, and the St. Johns River Water Management District (SJRWMD). In evaluating potential sources for the various water needs for the Project, Calpine was encouraged to: (1) utilize the lowest quality of water available; (2) use ground water as a supply only after other water supply sources were proven infeasible; and (3) consider all possible water supply alternatives. Calpine also was encouraged to integrate the Project's water use plans into the master stormwater planning program being developed by Indian River County, SJRWMD, and IRFWCD.

This report provides Calpine's evaluation of potential water supply alternatives for the BHEC. Section 2.0 summarizes the power plant's water requirements, and includes water balances that have been prepared on the basis of the latest information on estimated water use. Section 3.0 lists the water supply alternatives considered and an evaluation of each alternative. Section 4.0 presents the summary and conclusions, and constitutes Calpine's proposed plan for supplying water for its various needs at the BHEC facility.

2.0 PROJECT WATER REQUIREMENTS AND PLANT WATER USES

2.1 PROJECT WATER REQUIREMENTS

The BHEC, like all combined cycle power plants, requires makeup water for various in-plant uses. Water is required for makeup to the plant cooling system, which is primarily used in condensing the steam turbine exhaust, and cooling other equipment. Water is also needed for makeup to the steam cycle and miscellaneous plant services.

Figure 2-1 shows a quantitative water balance for the BHEC's expected annual average water use and Figure 2-2 shows the projected peak water use. As shown in these figures, expected annual average daily water consumption is approximately 5.8 MGD, and the projected peak daily water consumption is approximately 8.2 MGD.

2.2 PLANT WATER USES

2.2.1 COOLING TOWER MAKEUP

The single largest requirement for water is cooling tower makeup, which is used to replace water that evaporates during the cooling process or is discharged from the cooling tower basin during normal operation. Cooling tower discharge, or blowdown, is necessary to control the accumulation of solids in the cooling tower and circulating water systems.

2.2.2 STEAM CYCLE MAKEUP

Steam cycle makeup is required to replace water that is vented as steam, or discharged from the HRSGs' steam drums to prevent an accumulation of solids in the boiler water.

2.2.3 MISCELLANEOUS

Other water uses at the plant include the following:

- Combustion turbine evaporative coolers.
- Plant equipment component cleaning and maintenance.
- Plant fire water system.
- Potable water for drinking water, emergency eye wash and shower station(s), and for use in sanitary facilities.
- Irrigation.

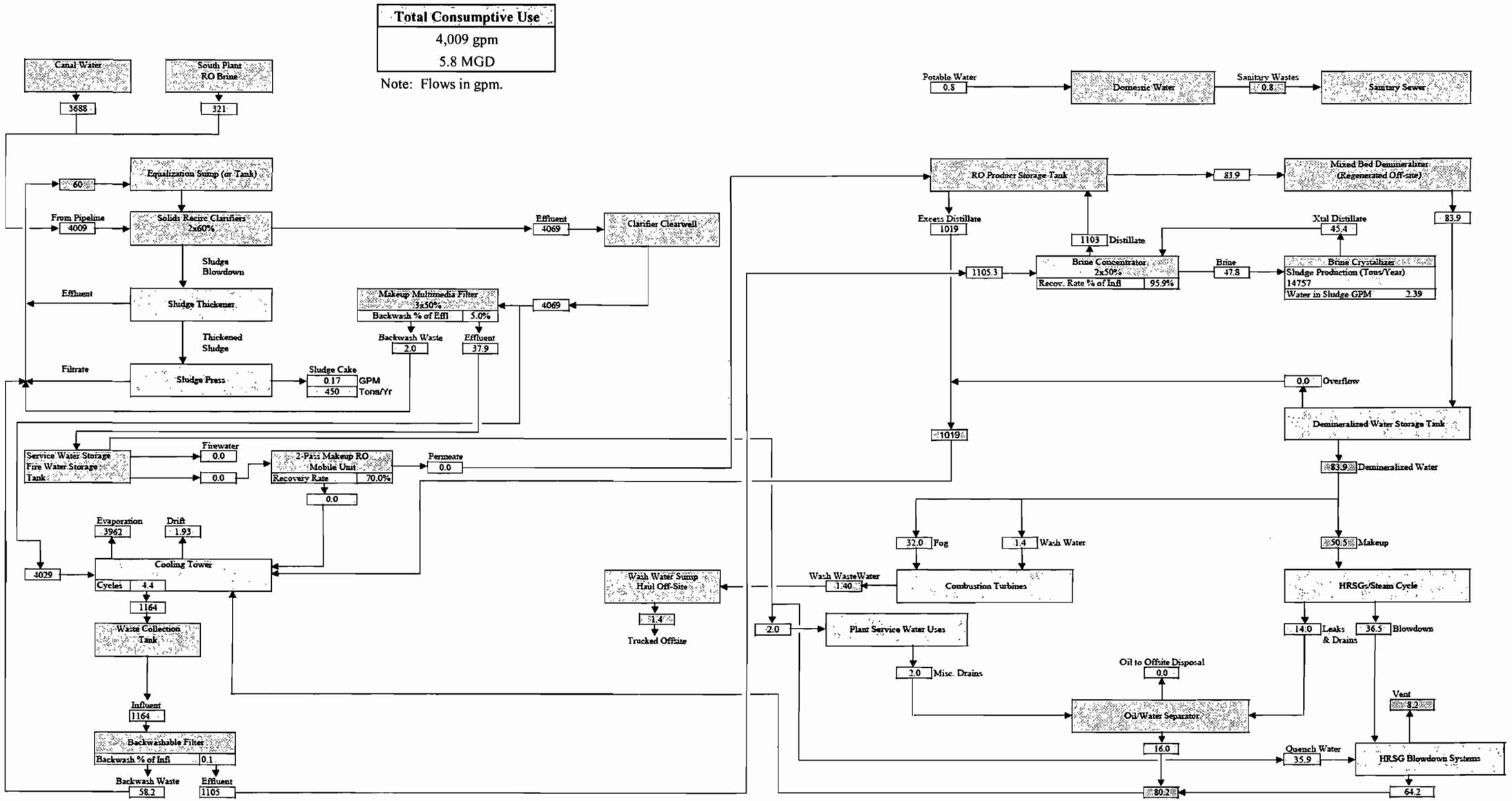


FIGURE 2-1. (REV. 1—12/04)

WATER BALANCE DIAGRAM—ANNUAL AVERAGE DAILY WATER USE

Source: Calpine, 2004.

CALPINE
BLUE HERON
ENERGY CENTER

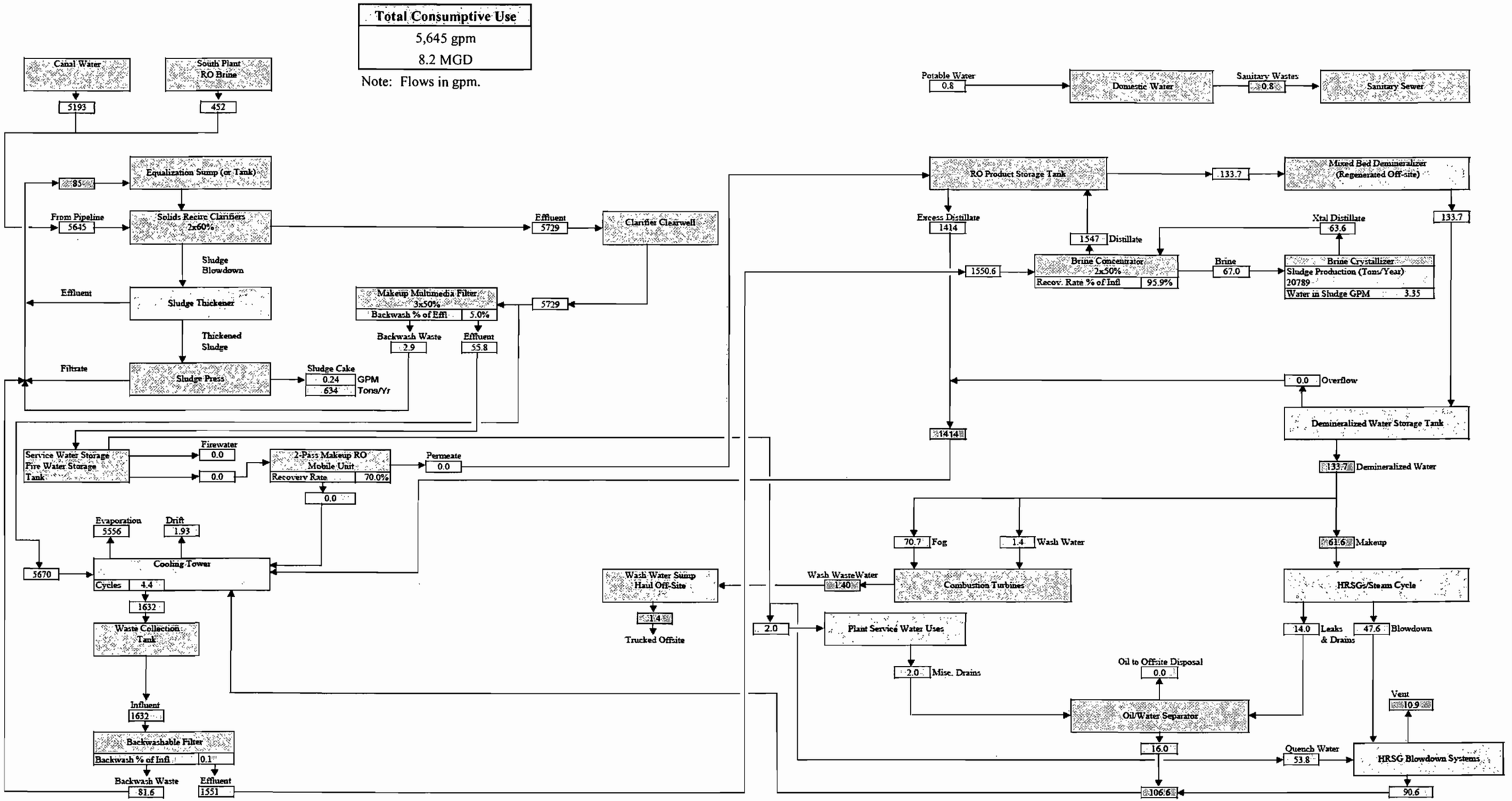


FIGURE 2-2. (REV. 1—12/04)

WATER BALANCE DIAGRAM—PEAK DAILY WATER USE

Source: Calpine, 2004.

CALPINE
BLUE HERON
ENERGY CENTER

3.0 ANALYSIS OF POTENTIAL WATER SOURCES

3.1 GROUND WATER

Indian River County is underlain by two distinct aquifer systems capable of supplying water to the BHEC for potable and non-potable uses. Each aquifer will be addressed in turn.

3.1.1 SURFICIAL AQUIFER

The surficial aquifer system at the Site extends approximately 130 feet below land surface (ft bls). A review of the available literature shows that a well completed in the surficial aquifer on site could be expected to yield approximately 500 gallons per minute (gpm) or approximately 0.7 MGD. Ground water sampling conducted by ECT in April 2000 indicates that the water quality in the surficial aquifer is generally satisfactory, with chloride concentration of approximately 10 milligrams per liter (mg/L) and total dissolved solids (TDS) of approximately 315 mg/L.

Hypothetically, two production wells could be installed on site and they would be expected to yield approximately 1.4 MGD. However, this amount is inadequate to support the water needs of the BHEC. Furthermore, considerable drawdown in the surficial aquifer would be expected under this pumping scenario. The drawdown is likely to cause negative impacts on the two existing wetlands onsite. For these reasons, it is not feasible to use the surficial aquifer to supply the quantities of non-potable water needed by the BHEC facility. Lastly, use of this high quality ground water is inconsistent with the SJRWMD's preference for utilizing the lowest quality of water for supply and avoiding ground water as a water source.

3.1.2 FLORIDAN AQUIFER

The Upper Floridan aquifer is presently utilized extensively in the vicinity of the Site. It is used for some industrial purposes, but mostly it provides water for agricultural use. The available literature suggests that a single production well at the Site could be expected to yield approximately 1.2 to 1.5 MGD. In contrast to the surficial aquifer, water quality in

the Upper Floridan aquifer is poor, with TDS in ground water on the order of 1,500 mg/L.

Some concerns with this alternative include: heavy pumping from this aquifer at the Site could possibly affect existing users; water quality is not consistent with the BHEC's requirements; the well yields would likely be inadequate for supplying the BHEC's needs; and ground water use is discouraged by SJRWMD. Given these concerns, ground water from the Floridan aquifer was not considered a desirable or suitable water supply alternative.

3.2 SURFACE WATER FROM INDIAN RIVER FARMS WATER CONTROL DISTRICT/INDIAN RIVER COUNTY STORMWATER PARK

The IRFWCD maintains a network of over 200 miles of interconnected drainage canals. The average (mean) total daily discharge into the Indian River Lagoon estuary from the three IRFWCD's principal canals (Main Canal, North Canal, and South Canal) is nearly 100 MGD, based on approximately 50 years of record. Median daily flow is slightly less than 50 MGD.

The excess water from the IRFWCD's canal system provides a viable source of water for the BHEC. Water quality sampling of the canal system conducted by ECT indicates that the water quality is suitable for the BHEC's non-potable water needs, following some pre-treatment. Use of this canal water would also provide a considerable environmental benefit to the region because it would reduce the freshwater flows and pollutant loadings from the canals to the Indian River Lagoon system.

Indian River County, SJRWMD, and IRFWCD have developed a Master Stormwater Management Plan for East Indian River County. The goals of this master plan include the development and implementation of alternatives for stormwater storage, flood attenuation, water quality treatment, and reduction in freshwater discharges to the Indian River Lagoon. In the master plan, a 35-acre parcel of land was identified for use for treatment of water from the IRFWCD canal system and for storage of water for use by the proposed

BHEC. This facility will be developed by Indian River County and will be called the Egret Marsh Regional Stormwater Park.

In support of the master plan, Calpine entered into an "Agreement Concerning Delivery and Use of Stormwater" (Agreement) with Indian River County and the IRFWCD on August 12, 2004 (see appendix 10.9). Under this Agreement, Indian River County will provide stormwater from the Egret Marsh Regional Stormwater Park for use as the primary water source for the BHEC. The water provided to the BHEC and other water treated in the stormwater park will be withdrawn from the lower pool of the canal system, pumped to the park through a 0.5-mile pipeline, and discharged into a pre-treatment pond. To deliver water to the BHEC, water will be withdrawn from the stormwater park pond and pumped to the Site through a 3.0-mile pipeline.

This water supply alternative is viable for meeting the BHEC's needs in terms of water quantity and quality. It also provides an additional environmental benefit by reducing the freshwater discharges to the Indian River Lagoon. This alternative has been selected as the primary source of cooling and other plant process water for the BHEC.

3.3 INDIAN RIVER LAGOON (BRACKISH WATER)

The Indian River Lagoon system was considered as a potential source of cooling water/plant process water for the BHEC. This resource could be used to supply water to the facility via a pipeline approximately 8 miles in length. This alternative would require an intake structure to be constructed in the Indian River. The water quality in the Indian River is brackish; a water sample collected by ECT in March 2000 contained 26,000 mg/L TDS.

Implementation of this potential water supply option would pose a number of technical, environmental, and permitting issues. First, obtaining a suitable route for construction of the pipeline would be difficult, especially through the more urbanized areas in the eastern portions of the County. Second, environmental and permitting issues related to the construction of the pipeline and construction of an intake structure in the Indian River would

be formidable. Potential impingement/entrainment impacts on the Indian River Lagoon's aquatic ecosystem would require extensive data collection and assessments.

In light of these technical, environmental, and permitting considerations, implementation of this alternative would be considerably more expensive than the other surface water supply alternatives and would have the potential for greater adverse environmental impacts. The use of this brackish water also would create the need for additional extensive and expensive water treatment systems at the BHEC. Thus, this alternative was not considered reasonable or feasible for the BHEC facility.

3.4 RECLAIMED WATER

Indian River County currently operates a reclaimed water system which supplies water for irrigation purposes to housing and golf course developments. Currently, the pipeline for the reclaimed water system runs along Lockwood Lane, crossing 74th Avenue approximately 0.5 mile north of the BHEC. The quality of the reclaimed water is consistent with the needs of the BHEC facility. However, Indian River County has informed Calpine that most of the County's reclaimed water already is committed for use for irrigation purposes and, therefore, little or no reclaimed water is available for BHEC's use. The County anticipates that the demand for reclaimed water for development and irrigation purposes will continue to increase in the future.

3.5 ALTERNATIVE WATER SUPPLIES

Another potential source of water for the BHEC facility is RO brine discharged from Indian River County's potable water treatment plants. The County's plants treat ground water withdrawn from the Floridan aquifer to produce drinking water. According to the County, up to 2.0 MGD of brine could be provided to the BHEC. This amount is insufficient to supply all of the Project's needs. Because of the poor quality of this water, the BHEC has limited capacity to accept the brine discharge as part of the process/cooling water used by the BHEC. Since the BHEC will not be operational at all times during the year, the Project could not accept the brine discharge 100 percent of the time, and the County would still need to discharge this water to surface waters when the BHEC is not operating. Calpine has evaluated this supplemental water source and concluded that it is

not feasible to use brine as the sole source of water for the BHEC, but some brine could be used to supplement other water sources. Accordingly, Calpine's Agreement states that Indian River County, at its option, may provide the BHEC with some of the brine discharged from the County's South Plant RO water treatment facility.

4.0 SUMMARY AND CONCLUSIONS

4.1 SELECTED ALTERNATIVES

Section 3.0 of this report presented the potential water supply sources for Calpine's BHEC. Each alternative was analyzed with respect to its technical feasibility, potential environmental impacts, permitting considerations, and cost. Based on the results of the analysis of the alternatives, Calpine has selected and entered into a water supply Agreement with Indian River County and the IRFWCD for the following combination of alternatives to provide the BHEC water supply:

- The primary source of cooling makeup water and other plant process water for the Project will be excess surface water withdrawn from the IRFWCD drainage canal system and delivered to the Site from the Indian River County Egret Marsh Regional Stormwater Park. Calpine will seek approval to use this water source to meet the Project's water supply needs because it is the only feasible water source that can provide adequate quantities on a consistent basis.
- The Project will also use brine discharged from the Indian River County South Plant water treatment facility, if it is provided by the County.
- Indian River County will provide potable water and sanitary wastewater service.

The BHEC will be designed and operated as a zero wastewater discharge facility. All plant wastewaters, including cooling tower blowdown, water treatment wastewaters, plant and equipment drains, boiler blowdown, and other process wastewaters, will be treated and reused, and evaporated in the zero-discharge wastewater treatment system. The solids resulting from the treatment system will be disposed in a permitted landfill.

Calpine's plan to use excess surface water and brine for the plant's water supply, in combination with a wastewater treatment system that will have zero water discharge, will provide significant environmental benefits to the area. These plans are consistent with and supportive of SJRWMD, Indian River County, and IRFWCD current goals and programs to reduce freshwater flows and pollutant loadings to the Indian River Lagoon system.

In support of the master stormwater management plan, Calpine will contribute financially to the property purchase, and the construction of pump stations and pipelines, for the development of Indian River County's regional stormwater park. Calpine will also contribute financially to the construction of the pipeline for the delivery of the County's brine to the Project.

4.2 WATER CONSERVATION PLAN

The Water Conservation Plan for the BHEC is apparent in the water supply alternatives that have been selected. Following are some of the water conservation measures that will be implemented:

- The Project will not use ground water.
- The Project will use the lowest quality water that is reasonably available and suitable for the Project needs.
- The Project will conserve water by using excess surface water from the IRFWCD canal system that otherwise would discharge to the Indian River Lagoon, and thereby be lost as a fresh water supply source.
- The Project will maximize recycling of water by treating and reusing cooling water blowdown and other plant wastewaters to the maximum extent possible. As a result, the Project will be extremely efficient in its water use and will operate as a zero wastewater discharge facility.
- The BHEC will rely solely on natural gas for combustion. Other projects have employed distillate fuel oil as a backup fuel, or even as a primary fuel. Use of this fuel would require the use of demineralized water to be injected into the combustion chamber of the CTGs for nitrogen oxides emission control. Since this water will not be needed, the Project's use of natural gas as the sole source of fuel will result in significant water conservation.
- The Project will obtain its water supply from the stormwater storage and treatment park that will be developed by Indian River County as part of the region's Master Stormwater Management Plan.
- The Project will use some of the RO brine discharged from the Indian River County South Plant water treatment facility, if it is provided by the County.

APPENDIX 10.1.6

LAND USE SPECIAL EXCEPTION APPLICATION AND APPROVAL

BOARD OF COUNTY COMMISSIONERS
1840 25th Street, Vero Beach, Florida 32960-3365

Telephone: (561) 567-8000

September 18, 2001

Calpine Eastern
c/o Collins, Brown, Caldwell,
Barkett & Garavaglia
P.O Box 3686
Vero Beach, FL 32964

RE: **County Approval of Calpine Inc.'s Request for Conceptual Site Plan and Special Exception Use Approval to Construct an Electrical Power Plant Facility**
2000040055-25467/SP-MA-01-02-13

Dear Mr. Barkett:

The referenced special exception use/conceptual site plan request was approved 4-1 by the Board of County Commissioners on September 18, 2001, with the following conditions:

1. That the applicant shall submit a major site plan that provides a Type "A" buffer on the North, South and West sides of the subject property and a Type "C" buffer on the east side of the subject property and sufficient internal landscape and tree preservation to screen the plant from public view. The buffer between I-95 and the proposed retention area may be reduced to a 20' width, if necessary, with the same planting density as a 30' wide Type "A" buffer. The buffer segment to be located under the overhead tie-line can use lower growing landscape species and clear "no planting" areas may be maintained around support structures and underneath electrical equipment where such clear areas are required for maintenance. All buffer modifications shall be approved by the Planning and Zoning Commission, with the "final" site plan.

2. Prior to major site plan approval, the applicant shall enter into an arrangement acceptable to the county that provides for the method and type of cooling water provided to the site.

3. Prior to release of an approved major site plan:

   a. The applicant shall demonstrate completion of the PPSA approval process, as required in section 971.44(2).

   b. The applicant shall dedicate a 30' wide drainage and utility easement adjacent to 74th Avenue and provide paving and drainage plans for 74th Avenue acceptable to the Public Works Director.

4. Prior to the issuance of a Certificate of Occupancy:

   a. All buffering and landscape shall be complete.

   b. The paving of 74th shall be complete and acceptable to the Public Works Director.

Please be advised the next step in the County approval process is to apply for major site plan approval. Building permits may be applied for at anytime during the site plan review process, but cannot be issued prior to site plan release and issuance of a concurrency certificate.

If you require any additional information please contact this office at 567-8000, extension 1242.

Sincerely,

John W. McCoy, AICP
Senior Planner, Current Development

cc: Robert M. Keating, AICP
Stan Boling, AICP
Jim Davis, P.E.
Chris Mora, P.E.
Dennis Murphy, St. Lucie County
Chris Kafer, Jr., P.E.
Dave Cox, P.E.
Glenn Schuessler
Gordon Sparks, P.E.
Jeanne Bresett
Ocean Spray Cranberries, Inc.

APPENDIX 10.4

EXISTING STATE PERMITS

10.4 EXISTING STATE PERMITS

There are no existing state permits in effect for the Site, proposed power plant, or associated facilities.

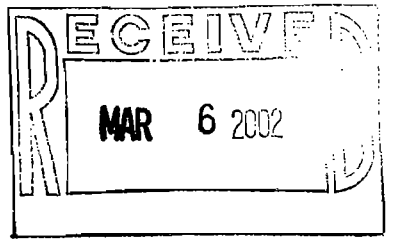
A copy of the Land Use Recommended Order for the BHEC issued by the Administrative Law Judge on March 5, 2002, is provided in this Appendix.

State of Florida
Division of Administrative Hearings

Sharyn L. Smith
Director and Chief Judge
Ann Cole
Clerk of the Division

The DeSoto Building
1230 Apalachee Parkway
Tallahassee, Florida
32399-3060

March 5, 2002



Kathy C. Carter, Agency Clerk
Office of General Counsel
Department of Environmental Protection
3900 Commonwealth Boulevard
The Douglas Building, Mail Station 35
Tallahassee, Florida 32399-3000

Re: IN RE: CALPINE CONSTRUCTION FINANCE COMPANY, L.P. (BLUE HERON ENERGY CENTER) POWER PLANT SITING APPLICATION NO. PA00-42, DOAH Case No. 00-4564EPP

Dear Ms. Carter:

Enclosed is my Land Use Recommended Order in the referenced case. Also enclosed is the one-volume transcript, together with Calpine's Exhibits numbered 1-29. Copies of this letter will serve to notify the parties that my Land Use Recommended Order and the hearing record have been transmitted this date.

As required by Subsection 120.57(1)(k), Florida Statutes, you are requested to furnish the Division of Administrative Hearings with a copy of the Land Use Final Order within 15 days of its rendition.

Sincerely,

J. Lawrence Johnston

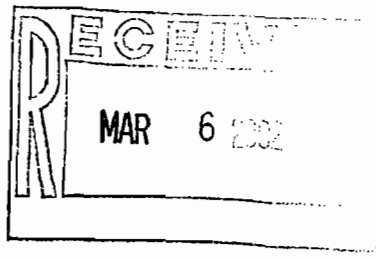
J. LAWRENCE JOHNSTON
Administrative Law Judge

JLJ/rg

Enclosures

cc: Teri L. Donaldson, General Counsel
All counsel of record

STATE OF FLORIDA
DIVISION OF ADMINISTRATIVE HEARINGS



IN RE: CALPINE CONSTRUCTION FINANCE COMPANY, L.P. (BLUE HERON ENERGY CENTER) POWER PLANT SITING APPLICATION NO. PA00-42,	)	Case No. 00-4564EPP

LAND USE RECOMMENDED ORDER

Pursuant to notice, the Division of Administrative Hearings, by its duly-designated Administrative Law Judge, J. Lawrence Johnston, held a land use hearing in the above-styled case on February 6, 2002, in Vero Beach, Florida.

APPEARANCES

For Petitioner Calpine Construction Finance Company, L.P.:

David S. Dee, Esquire
Landers & Parsons
310 West College Avenue
Tallahassee, Florida 32301

For the Florida Department of Environmental Protection:

Scott A. Goorland, Esquire
Department of Environmental Protection
3900 Commonwealth Boulevard, Mail Station 35
Tallahassee, Florida 32399

For Audubon of Florida and the Pelican Island Audubon Society:

Kevin S. Doty, Esquire
Hatch & Doty, P.A.
1701 A1A, Suite 220
Vero Beach, Florida 32963

STATEMENT OF THE ISSUE

Pursuant to Section 403.508(2), Florida Statutes, the sole issue for determination in this case is whether the proposed site for the Petitioner's electrical power plant "is consistent and in compliance with existing land use plans and zoning ordinances." (All statutory references are to the 2001 codification of the Florida Statutes.)

PRELIMINARY STATEMENT

On October 31, 2000, Calpine Construction Finance Company, L.P. ("Calpine"), filed an application with the Florida Department of Environmental Protection ("Department" or "DEP") for authorization to construct and operate a nominal 1080 megawatt ("MW") natural gas-fired, combined cycle electrical power plant on a site located in unincorporated Indian River County, Florida. Calpine's application is subject to the requirements of the Florida Electrical Power Plant Siting Act ("PPSA"), Sections 403.501-.518, Florida Statutes. In compliance with Section 403.508(1), the land use hearing ("the Land Use Hearing") in this case was scheduled for February 6, 2002.

On January 25, 2002, a "Prehearing Stipulation for Land Use Hearing" ("Prehearing Stipulation") was filed by Calpine, DEP, the Florida Department of Community Affairs, the Florida Department of Transportation, the Florida Public Service Commission, the Florida Fish and Wildlife Conservation Commission, the St. Johns River Water Management District, the Treasure Coast Regional Planning Council, Indian River County ("County"), St. Lucie County, Audubon

of Florida and the Pelican Island Audubon Society. In the Prehearing Stipulation, all of the signatories, except Audubon of Florida and the Pelican Island Audubon Society (collectively referred to as "Audubon"), either agreed with or did not dispute Calpine's assertion that the site of the proposed project is consistent and in compliance with existing land use plans and zoning ordinances.

At the Land Use Hearing, Calpine called two witnesses: Jack Doolittle (accepted as an expert regarding electrical power plant siting and permitting, and environmental and land use impact assessments for power plants) and Stan Boling (accepted as an expert regarding land use planning and zoning issues). Calpine introduced exhibits 1-29 into evidence without objection.

Prior to the Land Use Hearing, Calpine requested the Administrative Law Judge to take judicial notice of certain excerpts from the Indian River County 2020 Comprehensive Plan ("Comprehensive Plan"), and excerpts from The Code of Indian River County ("County Code"). Calpine's request was granted at the Land Use Hearing, subject to the ruling on any timely written objections. No objection to Calpine's request was filed. (The excerpts from the Comprehensive Plan and County Code also were introduced into evidence at the Land Use Hearing, without objection.)

None of the signatories to the Prehearing Stipulation participated at the Land Use Hearing, except Calpine, DEP, and

Audubon. Except for Calpine, the parties to this proceeding did not call any witnesses or proffer any exhibits. Although the public was given an opportunity to comment, no one from the public testified or proffered any exhibits at the Land Use Hearing.

The transcript of the Land Use Hearing was filed with the Division of Administrative Hearings on February 8, 2002, and the parties were allowed until February 21, 2002, to submit proposed recommended orders. Calpine and DEP timely filed a joint proposed recommended order on February 21, 2002. To date, no other party has filed a proposed recommended order.

Based on all of the evidence of record, the following findings of fact are determined:

FINDINGS OF FACT

The Petitioner

1. Calpine intends to license, construct, own, and operate a new electrical power plant in unincorporated Indian River County, Florida. Calpine filed an application with DEP under the PPSA for the proposed electrical power plant, which is known as the Blue Heron Energy Center ("the Project").

The Site for the Blue Heron Energy Center

2. The site ("Site") for the Blue Heron Energy Center is located in southeastern Indian River County, approximately 5 miles southwest of the City of Vero Beach.

3. The Site is approximately 50.5 acres in size and is currently undeveloped. The primary vegetation on the Site is pine

flatwoods. The Site contains two small wetlands that will be preserved.

4. The general area surrounding the Site is a mixture of agricultural, industrial, institutional, utility and residential land uses. The Interstate 95 ("I-95") corridor is adjacent to the west side of the Site. Just west of the I-95 corridor are two existing electrical transmission line corridors operated by Florida Power & Light Company ("FPL"). There is an existing natural gas pipeline owned by Florida Gas Transmission Company located between the two electrical transmission line corridors. The Indian River County Correctional Institution is located directly northwest of the Site. Farther to the north are Indian River County's landfill and several industrial (citrus processing) facilities. There also is one single-family residence located north of the Site. The eastern boundary of the Site is adjacent to 74th Avenue, which is adjacent to a drainage ditch known as the Lateral C Canal. A citrus grove and an industrial wastewater sprayfield are located on the east side of the Lateral C Canal. The southern boundary of the Site abuts the border between Indian River County and St. Lucie County. The I-95 corridor and undeveloped lands lie south of the Site in St. Lucie County. Southeast of the Site, in St. Lucie County, is a residential development known as Spanish Lakes Fairways. The Site is separated from this residential development by a drainage ditch, a berm, and an existing buffer of mature trees and dense vegetation.

Description of the Proposed Blue Heron Project

5. The Blue Heron Energy Center will involve the construction and operation of a combined cycle, natural gas-fired, electrical power plant that will generate approximately 1080 MW (nominal). The Blue Heron Project will be built in two phases, each generating approximately 540 MW (nominal). The first phase of the Project will include two combustion turbines, two heat recovery steam generators, a steam turbine, exhaust stacks, cooling towers, a treatment and storage system for process water, a treatment system and detention basin for storm water, an operations control center, transformers and related switching gear, and other ancillary structures and features. The second phase of the Project will be similar to the first phase.

6. The Blue Heron Energy Center will connect to Florida's electrical grid with two overhead transmission lines that will extend west from the Site approximately 1400 feet (over I-95) to the existing FPL transmission lines. The Project will obtain natural gas by installing an underground pipe that will extend from the Site approximately 1400 feet to the west (under I-95) to where the Project will interconnect with the natural gas pipeline systems operated by Gulfstream and Florida Gas Transmission Company. Calpine has obtained options to purchase the land west of the Site where Calpine's gas pipeline corridor and electrical transmission line corridor will be located.

7. The primary source of cooling and process water for the Blue Heron Energy Center will be surface water (storm water), which will be obtained from the Lateral C Canal or the County's

proposed stormwater park. Potable water and domestic wastewater services will be provided by Indian River County. No groundwater will be used by the Project. The Blue Heron Project will not discharge any industrial or domestic wastewater to any surface water or groundwater.

Existing Land Use Plans and Zoning Ordinances

8. The Site is designated Agricultural (AG-1) in Indian River County's Comprehensive Plan. Under the Comprehensive Plan, the AG-1 designation allows for the construction of electrical power plants, like the Project, as "public facilities."

9. Indian River County has adopted land development regulations and zoning districts that implement the intent of the County's Comprehensive Plan. Under the zoning code, like the Comprehensive Plan, the Site is located in an Agricultural (A-1) district. The County's zoning code expressly allows the construction of "public and private utilities, heavy" as a special exception use in A-1 zoning districts. The County's zoning code defines "utilities, public or private, heavy" to include "all major electrical generation plants (generating fifty (50) megawatts or more)." Thus, the A-1 zoning designation for the Site allows the development of the Project as a special exception use.

Special Exception Use

10. Section 971.05 of the County Code sets forth the procedures and criteria for obtaining the County's approval of a special exception use. Among other things, Section 971.05(9) of the County Code requires an applicant for a special exception use

to demonstrate that the proposed project is consistent with the County's Comprehensive Plan and zoning code.

11. Calpine has worked with the County to ensure that every aspect of the Blue Heron Energy Center will comply with the County's criteria. Consistent with the requirements of Section 971.05 of the County Code, Calpine filed an application with the County for approval of a special exception use and conceptual site plan for the Blue Heron Project. The Special Use Exception Application ("SUEA") fully described the Project, including the corridors for the proposed transmission lines and natural gas pipeline.

12. The County's staff reviewed Calpine's SUEA and recommended approval, subject to certain conditions. On August 9, 2001, the County's Planning and Zoning Commission held a duly noticed public hearing and then recommended approval of Calpine's SUEA, with conditions. On September 18, 2001, the Indian River County Board of County Commissioners ("County Commission") held a duly noticed public hearing and then approved Calpine's SUEA, with conditions. It is "typical" for the County to include conditions as part of the County's approval for a special exception use. If Calpine complies with the County's conditions for its special exception use, the County will "automatically approve the final site plan" for the Blue Heron Project. No one appealed the County Commission's approval of Calpine's SUEA and the deadline for filing an appeal has passed.

Consistency With Land Use Plans and Zoning Ordinances

13. The County staff, the Planning and Zoning Commission, and the County Commission considered whether the Project is consistent and in compliance with the County's Comprehensive Plan and zoning ordinances, pursuant to Section 971.05 of the County Code, and then they approved the Project, with conditions.

14. The evidence presented in the Land Use Hearing demonstrated that the Site is consistent and in compliance with Indian River County's Comprehensive Plan. The evidence also demonstrated that the Site is consistent and in compliance with Indian River County's zoning ordinances.

15. In the Prehearing Stipulation, Indian River County, St. Lucie County, the Florida Department of Community Affairs, the Treasure Coast Regional Planning Council, the Florida Department of Environmental Protection, the Florida Department of Transportation, the Florida Public Service Commission, the Florida Fish and Wildlife Conservation Commission and the St. Johns River Water Management District either agreed with or did not dispute Calpine's assertion that the Site is consistent and in compliance with existing land use plans and zoning ordinances. Indian River County also stipulated that it supports Calpine's plan to construct and operate the Blue Heron Project on the Site.

Public Notice of the Land Use Hearing

16. On December 11, 2000, Calpine published a "Notice of Filing of Application for Electrical Power Plant Site Certification" in the Vero Beach Press-Journal, which is a

newspaper of general circulation published in Indian River County, Florida.

17. On October 9, 2001, the Administrative Law Judge issued an "Order Granting Continuance and Re-Scheduling Land Use Hearing" and served a copy of his Order on all of the parties to this proceeding. The Judge's Order stated that the Land Use Hearing would be conducted on February 6, 2002.

18. On December 14, 2001, Calpine published a "Notice of Land Use and Zoning Hearing on Proposed Power Plant Facility" in the Vero Beach Press-Journal.

19. On December 14, 2001, the Department published notice of the Land Use Hearing in the Florida Administrative Weekly.

20. The public notices for the Land Use Hearing satisfy the informational and other requirements set forth in Section 403.5115, and Rules 62-17.280 and 62-17.281(4), Florida Administrative Code.

CONCLUSIONS OF LAW

21. The Division of Administrative Hearings has jurisdiction over the parties to and subject matter of this proceeding pursuant to Sections 120.569, 120.57(1), and 403.508.

22. Calpine and DEP published timely public notice of the Land Use Hearing, in compliance with the requirements contained in the PPSA and Chapter 62-17, Florida Administrative Code.

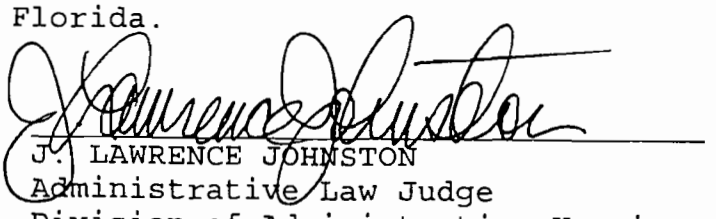
23. Pursuant to Section 403.508(2), the sole issue for determination in this proceeding is whether the proposed Site of the Blue Heron Energy Center is consistent and in compliance with existing land use plans and zoning ordinances.

24. The competent, substantial, and unrebutted evidence presented by Calpine at the Land Use Hearing demonstrated that the Site for the Blue Heron Project is consistent and in compliance with the applicable provisions of the existing land use plans and zoning ordinances, including but not limited to Indian River County's comprehensive land use plan and zoning code.

RECOMMENDATION

Based on the foregoing Findings of Facts and Conclusions of Law, it is RECOMMENDED that the Governor and Cabinet, sitting as the Siting Board, enter a Land Use Final Order in this case finding that the Site of the Blue Heron Energy Center is consistent and in compliance with the existing land use plans and zoning ordinances.

DONE AND ORDERED this 5th day of March, 2002, in Tallahassee, Leon County, Florida.



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Division of Administrative Hearings
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Filed with the Clerk of the
Division of Administrative Hearings
this 5th day of March, 2002.

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NOTICE OF RIGHT TO SUBMIT EXCEPTIONS

All parties have the right to submit written exceptions within 15 days from the date of this Land Use Recommended Order. Any exceptions to this Land Use Recommended Order should be filed with the agency that will issue the Final Order in this case.

APPENDIX 10.7

SEASONAL AND ANNUAL COOLING TOWER DRIFT ANALYSIS

```
 1 Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower
 2      0     1 0 2 1 0 1 1 3 1 5
 3 27.34     80.29      1.0      10.1          .0
 4  18.9      31.81        401.88   6985.3
 5 .61.62.63.61.59.55.57.56.55.56.60.60
 6 14.3417.4020.5322.7523.0822.2122.4621.2418.6916.2714.8013.34
 7 cd144.tap
 8 fort.2
 9 fort.3
10 fort.4
11 prep.out
12 mixht.tap
13
14 •
```

```
 1 ********************************************************************************************************************************
 2  EPRI PLUME AND DRIFT ANALYSIS SYSTEM PREPROCESSOR CODE, PRE-RELEASE VERSION 09-01-90
 3  CASE STUDY: Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower
 4  ********************************************************************************************************************************
 5
 6  INPUT INFORMATION
 7  -----------------
 8
 9  SURFACE TAPE TYPE:              CD144
10  TOWER TYPE:                LINEAR MECHANICAL DRAFT
11  TOWER HEIGHT (M):              18.90
12  TOWER DIAMETER (M):            31.81
13  TOWER HEAT (KW):           401880.00
14  TOWER AIR FLOW (KG/S):       6985.30
15  SITE LATITUDE:                 27.34
16  SITE LONGITUDE:                80.29
17  SITE TIME ZONE:              EASTERN
18  ROUGHNESS HEIGHT (CM):          1.00
19  REFERENCE HEIGHT (M):          10.10
20
21  RECORD STOPPING SWITCH:            0
22  RECORD SKIPPING FACTOR:            1
23  HOURLY RECORD PRINT LOG:       NOT SELECTED
24  BI-DAILY MIXING HEIGHT TAPE:   SELECTED
25  MIXING HEIGHT TYPE:            RURAL
26  FOGGING/ICING OPTION:          SELECTED
27  DRIFT OPTION:                  SELECTED
28
29
30
31
32  MONTHLY CLEARNESS INDEX
33  -----------------------
34
35   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC
36   ---   ---   ---   ---   ---   ---   ---   ---   ---   ---   ---   ---
37  .610  .620  .630  .610  .590  .550  .570  .560  .550  .560  .600  .600
38
39
40  TOTAL DAILY SOLAR ENERGY DEPOSITION
41     (LONG-TERM AVERAGE FOR MONTH)
42  ---------------------------------
43
44   JAN      FEB      MAR      APR      MAY      JUN      JUL      AUG      SEP      OCT      NOV      DEC
45   ---      ---      ---      ---      ---      ---      ---      ---      ---      ---      ---      ---
46  14.34    17.40    20.53    22.75    23.08    22.21    22.46    21.24    18.69    16.27    14.80    13.34
47 1              ************************************WIND SPEED FREQUENCY TABLE************************************
48                Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower
49   WIND         ********************************************WIND FROM********************************************
50   SPEED          N     NNE    NE    ENE    E     ESE    SE    SSE    S     SSW    SW    WSW    W     WNW    NW    NNW
51   RANGE        ********************************************WIND HEADED********************************************
52   (M/S)          S     SSW    SW    WSW    W     WNW    NW    NNW    N     NNE    NE    ENE    E     ESE    SE    SSE    SUM
53
54    0  TO   1   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
55    1  TO   2   .003  .001  .001  .000  .001  .001  .001  .002  .003  .003  .003  .004  .004  .004  .004  .005  .038
56    2  TO   3   .011  .004  .003  .002  .004  .006  .007  .007  .015  .009  .010  .011  .013  .009  .014  .017  .143
57    3  TO   4   .008  .003  .004  .006  .010  .010  .013  .007  .015  .007  .008  .008  .007  .006  .010  .012  .134
58    4  TO   5   .006  .003  .008  .011  .023  .017  .017  .008  .012  .005  .005  .006  .005  .005  .007  .009  .147
59    5  TO   6   .006  .003  .008  .017  .031  .025  .019  .008  .006  .003  .003  .004  .003  .003  .007  .006  .154
60    6  TO   7   .005  .005  .010  .016  .032  .027  .022  .010  .005  .002  .002  .002  .003  .003  .005  .006  .154
61    7  TO   8   .005  .003  .007  .013  .023  .019  .020  .009  .004  .001  .002  .002  .002  .001  .003  .003  .118
62    8  TO   9   .002  .001  .003  .007  .014  .011  .009  .005  .002  .001  .000  .000  .001  .001  .001  .002  .059
63    9  TO  10   .001  .000  .002  .004  .006  .004  .004  .003  .001  .000  .000  .000  .000  .000  .001  .001  .029
64   10  TO  11   .001  .000  .001  .003  .004  .002  .002  .001  .000  .000  .000  .000  .000  .000  .000  .000  .016
65   11  TO  12   .000  .000  .000  .001  .001  .001  .000  .001  .000  .000  .000  .000  .000  .000  .000  .000  .006
66   12  TO  13   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .002
67   13  TO  14   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .001
68   14  TO  15   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
69   15  TO  20   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
70   20  TO  25   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
71   25  TO  30   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
72   30  TO OVER  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
73
74 ********************************************************************************************************************************
   *****
75 AVERAGE     5.32220      VARIANCE    4.97086      STD DEV     2.22954
76 STD ERR      .01729      SKEWNESS    1.22163      KURTOSIS    1.64048
77 ********************************************************************************************************************************
   *****
78 1              ********************************RELATIVE HUMIDITY FREQUENCY TABLE********************************
79                Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower
80    RELATIVE    ********************************************WIND FROM********************************************
81    HUMIDITY      N     NNE    NE    ENE    E     ESE    SE    SSE    S     SSW    SW    WSW    W     WNW    NW    NNW
82    RANGE(%)    ********************************************WIND HEADED********************************************
83                  S     SSW    SW    WSW    W     WNW    NW    NNW    N     NNE    NE    ENE    E     ESE    SE    SSE    SUM
84
85    0  TO  10   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
86   10  TO  20   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000
87   20  TO  30   .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .001  .000  .000  .003
88   30  TO  40   .001  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .000  .001  .001  .005
89   40  TO  50   .003  .002  .003  .004  .005  .002  .002  .001  .001  .000  .002  .002  .003  .001  .003  .002  .035
```

90	50 TO 60	.006	.006	.011	.017	.023	.013	.012	.006	.004	.003	.003	.003	.004	.004	.004	.004	.122
91	60 TO 70	.008	.005	.014	.028	.046	.033	.030	.016	.007	.003	.004	.004	.005	.004	.006	.007	.219
92	70 TO 80	.009	.004	.012	.022	.049	.039	.041	.017	.014	.005	.005	.004	.004	.005	.009	.013	.252
93	80 TO 90	.008	.003	.004	.007	.020	.025	.021	.012	.019	.008	.007	.008	.008	.008	.014	.015	.187
94	90 TO 100	.013	.003	.002	.003	.006	.008	.010	.009	.019	.012	.013	.015	.013	.010	.015	.019	.170
95	100 TO OVER	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.000	.000	.000	.007

AVERAGE 74.43840 VARIANCE 211.08570 STD DEV 14.52879
STD ERR .11266 SKEWNESS 1.05171 KURTOSIS 1.13648

DEW POINT TEMPERATURE FREQUENCY TABLE
Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

DEW POINT TEMP RANGE (C)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	WIND HEADED								WIND FROM								
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
-45 TO -40	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-40 TO -35	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-35 TO -30	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-30 TO -25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-25 TO -20	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-20 TO -15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-15 TO -10	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-10 TO -5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
-5 TO 0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.003
0 TO 5	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001	.005
5 TO 10	.003	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.002	.003	.009	.008	.032
10 TO 15	.010	.006	.012	.017	.021	.005	.003	.001	.002	.001	.001	.002	.003	.005	.010	.016	.117
15 TO 20	.013	.006	.014	.031	.050	.029	.034	.016	.011	.007	.009	.009	.009	.006	.013	.015	.274
20 TO 25	.018	.010	.019	.031	.075	.084	.075	.041	.048	.023	.023	.025	.023	.016	.016	.017	.546
25 TO 30	.001	.001	.001	.001	.002	.002	.003	.002	.002	.001	.001	.001	.001	.001	.001	.001	.021
30 TO 35	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
35 TO 40	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
40 TO 45	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
45 TO OVER	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

AVERAGE 19.36729 VARIANCE 21.63785 STD DEV 4.65165
STD ERR .03607 SKEWNESS 1.05967 KURTOSIS 1.14896

DRY BULB TEMPERATURE FREQUENCY TABLE
Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

DRY BULB TEMP RANGE (C)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	WIND HEADED								WIND FROM								
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
-45 TO -40	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-40 TO -35	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-35 TO -30	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-30 TO -25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-25 TO -20	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-20 TO -15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-15 TO -10	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-10 TO -5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
-5 TO 0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 TO 5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5 TO 10	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.003
10 TO 15	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.002	.003	.010	.010	.029
15 TO 20	.011	.002	.003	.005	.005	.002	.002	.001	.003	.003	.003	.004	.005	.006	.015	.021	.093
20 TO 25	.023	.011	.020	.039	.067	.040	.042	.023	.027	.014	.015	.016	.016	.012	.016	.020	.403
25 TO 30	.010	.008	.019	.031	.062	.064	.057	.030	.029	.012	.013	.012	.011	.008	.007	.007	.382
30 TO 35	.001	.002	.004	.006	.016	.016	.015	.005	.004	.003	.004	.004	.004	.003	.002	.001	.089
35 TO 40	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
40 TO 45	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
45 TO OVER	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

AVERAGE 24.48485 VARIANCE 20.64217 STD DEV 4.54337
STD ERR .03523 SKEWNESS 1.04554 KURTOSIS 1.11937

STABILITY CLASS FREQUENCY TABLE
Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

STABILITY CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	WIND HEADED								WIND FROM								
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
2	.002	.001	.002	.002	.004	.003	.002	.001	.002	.001	.002	.001	.002	.002	.001	.001	.030
3	.006	.003	.006	.008	.019	.019	.017	.007	.006	.003	.004	.005	.005	.005	.005	.005	.124
4	.024	.014	.033	.060	.104	.078	.071	.037	.026	.013	.013	.012	.013	.012	.022	.024	.556
5	.009	.003	.005	.010	.018	.018	.019	.010	.018	.007	.007	.008	.008	.007	.012	.016	.176

175	6	.006	.002	.002	.001	.003	.004	.006	.005	.010	.007	.007	.009	.009	.005	.009	.012	.096
176	7	.001	.000	.000	.000	.000	.000	.001	.001	.001	.001	.002	.002	.002	.002	.002	.002	.016

AVERAGE 4.22458 VARIANCE .91282 STD DEV .95542
STD ERR .00741 SKEWNESS 1.07428 KURTOSIS 1.20741

K FREQUENCY TABLE

Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

K (UA/VE) RANGE			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
			WIND FROM							WIND HEADED								
			S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
0.0	TO	0.1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0.1	TO	0.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0.2	TO	0.3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
0.3	TO	0.4	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.001	.000	.000	.005
0.4	TO	0.5	.003	.001	.000	.001	.001	.001	.002	.002	.004	.003	.004	.004	.004	.003	.004	.005	.040
0.5	TO	0.6	.002	.001	.000	.000	.001	.000	.001	.001	.001	.001	.001	.001	.002	.002	.002	.002	.017
0.6	TO	0.7	.005	.001	.001	.001	.002	.003	.004	.004	.006	.004	.005	.006	.007	.004	.006	.007	.066
0.7	TO	0.8	.004	.001	.002	.001	.003	.003	.003	.003	.008	.005	.004	.004	.004	.003	.004	.005	.058
0.8	TO	0.9	.003	.001	.001	.001	.002	.002	.001	.001	.003	.001	.002	.002	.002	.003	.004	.005	.035
0.9	TO	1.0	.005	.002	.003	.004	.007	.007	.008	.005	.009	.005	.005	.006	.004	.004	.007	.007	.087
1.0	TO	1.2	.003	.002	.005	.007	.014	.011	.011	.005	.007	.004	.004	.004	.003	.003	.005	.006	.095
1.2	TO	1.4	.005	.002	.007	.010	.020	.017	.016	.006	.007	.003	.004	.003	.004	.004	.005	.006	.119
1.4	TO	1.6	.003	.002	.005	.011	.020	.018	.014	.006	.005	.001	.002	.003	.001	.002	.004	.005	.099
1.6	TO	1.8	.005	.005	.009	.016	.032	.024	.022	.010	.005	.002	.002	.002	.003	.002	.005	.006	.150
1.8	TO	2.0	.003	.001	.005	.008	.012	.010	.010	.004	.002	.001	.001	.001	.001	.001	.003	.003	.066
2.0	TO	2.5	.004	.004	.008	.016	.028	.021	.020	.011	.004	.002	.002	.001	.002	.001	.002	.003	.128
2.5	TO	3.0	.001	.000	.001	.004	.006	.003	.003	.002	.001	.001	.000	.000	.001	.000	.001	.001	.026
3.0	TO	OVER	.000	.000	.000	.001	.002	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.007

AVERAGE 1.40168 VARIANCE .35685 STD DEV .59737
STD ERR .00463 SKEWNESS 1.23273 KURTOSIS 1.67802

VSTAR FREQUENCY TABLE

Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

VSTAR RANGE			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
			WIND FROM							WIND HEADED								
			S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
0	TO	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1	TO	2	.033	.020	.045	.078	.142	.112	.105	.051	.043	.019	.019	.020	.023	.019	.026	.028	.782
2	TO	3	.004	.001	.001	.002	.003	.004	.005	.003	.006	.003	.004	.005	.005	.004	.009	.011	.070
3	TO	4	.003	.001	.000	.001	.002	.002	.002	.003	.005	.003	.005	.005	.004	.004	.006	.008	.052
4	TO	5	.003	.000	.000	.000	.001	.001	.001	.002	.002	.002	.002	.002	.002	.002	.003	.005	.029
5	TO	6	.001	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.001	.001	.001	.001	.002	.008
6	TO	7	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.002	.006
7	TO	8	.001	.000	.000	.000	.000	.000	.000	.000	.001	.000	.001	.001	.001	.000	.001	.001	.008
8	TO	9	.001	.000	.000	.000	.000	.000	.001	.001	.002	.002	.002	.001	.002	.001	.002	.001	.016
9	TO	10	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
10	TO	11	.000	.000	.000	.000	.000	.000	.000	.001	.001	.001	.000	.000	.001	.000	.000	.000	.005
11	TO	12	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.000	.000	.000	.000	.000	.001	.005
12	TO	13	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.001	.000	.001	.000	.004
13	TO	14	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.002
14	TO	15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
15	TO	20	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
20	TO	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
25	TO	30	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
30	TO	OVER	.001	.000	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.000	.000	.000	.007

AVERAGE 2.45623 VARIANCE 11.63921 STD DEV 3.41163
STD ERR .02645 SKEWNESS 5.08397 KURTOSIS 37.11171

PLUME LENGTH PARAMETER FREQUENCY TABLE

Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

PLUME LENGTH RANGE (M)			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
			WIND FROM							WIND HEADED								
			S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
0.0	TO	0.2	.026	.019	.042	.074	.132	.101	.095	.043	.032	.014	.016	.015	.018	.014	.016	.016	.671
0.2	TO	0.4	.002	.000	.001	.002	.003	.003	.003	.002	.002	.001	.001	.001	.001	.001	.002	.002	.027
0.4	TO	0.6	.001	.000	.001	.001	.002	.002	.002	.001	.002	.001	.001	.001	.001	.001	.002	.003	.019
0.6	TO	0.8	.001	.001	.000	.001	.002	.002	.002	.002	.002	.002	.001	.001	.001	.001	.002	.002	.020
0.8	TO	1.0	.001	.000	.000	.000	.001	.002	.001	.001	.002	.000	.000	.001	.001	.001	.002	.002	.018
1.0	TO	1.2	.001	.000	.000	.000	.001	.001	.001	.001	.001	.001	.000	.001	.001	.001	.001	.002	.013
1.2	TO	1.4	.001	.000	.000	.000	.001	.001	.001	.000	.001	.001	.001	.001	.001	.001	.001	.001	.012
1.4	TO	1.6	.001	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.001	.001	.011
1.6	TO	1.8	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.000	.001	.000	.002	.002	.012
1.8	TO	2.0	.001	.000	.000	.000	.000	.000	.001	.001	.001	.000	.001	.001	.001	.001	.002	.002	.012

260	2.0 TO 2.2	.001	.000	.000	.000	.001	.001	.001	.001	.001	.000	.001	.001	.001	.001	.001	.002	.012
261	2.2 TO 2.4	.000	.000	.000	.000	.000	.001	.000	.000	.001	.001	.001	.001	.000	.001	.001	.001	.008
262	2.4 TO 2.6	.001	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.001	.001	.000	.001	.001	.008
263	2.6 TO 2.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.005
264	2.8 TO 3.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.001	.001	.006
265	3.0 TO 3.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.001	.004
266	3.2 TO 3.4	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.000	.000	.000	.001	.001	.001	.006
267	3.4 TO 3.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.001	.001	.006
268	3.6 TO 3.8	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.000	.000	.001	.001	.006
269	3.8 TO 4.0	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.001	.001	.005
270	4.0 TO 4.2	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.001	.001	.000	.000	.001	.001	.007
271	4.2 TO 4.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.005
272	4.4 TO 4.6	.001	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.001	.000	.000	.001	.001	.007
273	4.6 TO 4.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.003
274	4.8 TO 5.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.001	.000	.005
275	5.0 TO 5.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
276	5.2 TO 5.4	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.001	.005
277	5.4 TO 5.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.004
278	5.6 TO 5.8	.001	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.001	.005
279	5.8 TO 6.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.003
280	6.0 TO 6.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
281	6.2 TO 6.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
282	6.4 TO 6.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.003
283	6.6 TO 6.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
284	6.8 TO 7.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
285	7.0 TO 7.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
286	7.2 TO 7.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
287	7.4 TO 7.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
288	7.6 TO 7.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
289	7.8 TO 8.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
290	8.0 TO 8.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
291	8.2 TO 8.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
292	8.4 TO 8.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
293	8.6 TO 8.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
294	8.8 TO 9.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
295	9.0 TO 9.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
296	9.2 TO 9.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
297	9.4 TO 9.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
298	9.6 TO 9.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
299	9.8 TO 10.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001

300 1 **********PLUME LENGTH PARAMETER FREQUENCY TABLE**********

301 Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

302 PLUME **********WIND FROM**********

303 LENGTH N NNE NE ENE E ESE SE SSE S SSW SW WSW W WNW NW NNW

304 RANGE (M) **********WIND HEADED**********

305 S SSW SW WSW W WNW NW NNW N NNE NE ENE E ESE SE SSE SUM

306

307	10.0 TO 10.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
308	10.4 TO 10.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.001	.004
309	10.8 TO 11.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.003
310	11.2 TO 11.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
311	11.6 TO 12.0	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.002
312	12.0 TO 12.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
313	12.4 TO 12.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
314	12.8 TO 13.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
315	13.2 TO 13.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
316	13.6 TO 14.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
317	14.0 TO 14.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
318	14.4 TO 14.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
319	14.8 TO 15.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
320	15.2 TO 15.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
321	15.6 TO 16.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
322	16.0 TO 16.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
323	16.4 TO 16.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
324	16.8 TO 17.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
325	17.2 TO 17.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
326	17.6 TO 18.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
327	18.0 TO 18.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
328	18.4 TO 18.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
329	18.8 TO 19.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
330	19.2 TO 19.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
331	19.6 TO 20.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
332	20.0 TO 21.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
333	21.0 TO 22.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
334	22.0 TO 23.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
335	23.0 TO 24.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
336	24.0 TO 25.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
337	25.0 TO 26.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
338	26.0 TO 27.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
339	27.0 TO 28.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
340	28.0 TO 29.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
341	29.0 TO 30.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
342	30.0 TO 31.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
343	31.0 TO 32.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
344	32.0 TO 33.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
345	33.0 TO 34.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
346	34.0 TO 35.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
347	35.0 TO 36.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
348	36.0 TO 37.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
349	37.0 TO 38.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
350	38.0 TO 39.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

351	39.0	TO 40.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
352	40.0	TO OVER	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.000	.000	.000	.007

AVERAGE 1.59217 VARIANCE 14.54934 STD DEV 3.81436
STD ERR .02958 SKEWNESS 4.04485 KURTOSIS 19.75992

1 **********PLUME HEIGHT PARAMETER FREQUENCY TABLE**********
Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

PLUME HEIGHT RANGE (M)			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
			WIND HEADED																
			S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
0.0	TO	0.1	.027	.019	.043	.075	.136	.106	.098	.045	.034	.014	.016	.016	.018	.014	.018	.019	.697
0.1	TO	0.2	.002	.000	.001	.002	.004	.003	.004	.003	.003	.002	.001	.001	.001	.002	.003	.005	.037
0.2	TO	0.3	.002	.001	.001	.001	.003	.003	.003	.002	.003	.002	.001	.001	.001	.001	.003	.003	.031
0.3	TO	0.4	.001	.000	.001	.001	.002	.002	.003	.001	.002	.001	.001	.001	.002	.001	.004	.004	.026
0.4	TO	0.5	.001	.000	.000	.000	.000	.001	.002	.001	.002	.001	.001	.001	.002	.001	.003	.004	.022
0.5	TO	0.6	.001	.000	.000	.000	.001	.001	.001	.001	.002	.001	.001	.002	.001	.001	.002	.004	.019
0.6	TO	0.7	.001	.001	.000	.000	.001	.001	.001	.001	.002	.001	.001	.002	.002	.001	.002	.002	.019
0.7	TO	0.8	.001	.000	.000	.000	.001	.001	.000	.001	.001	.001	.001	.002	.001	.001	.002	.002	.015
0.8	TO	0.9	.001	.000	.000	.000	.000	.001	.001	.001	.002	.001	.001	.002	.001	.001	.001	.002	.014
0.9	TO	1.0	.001	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.011
1.0	TO	1.1	.001	.000	.000	.000	.000	.001	.000	.000	.001	.001	.001	.001	.001	.001	.001	.002	.012
1.1	TO	1.2	.001	.000	.000	.000	.000	.000	.000	.001	.001	.000	.001	.001	.001	.001	.002	.001	.011
1.2	TO	1.3	.001	.000	.000	.000	.000	.000	.000	.001	.001	.000	.001	.001	.001	.001	.001	.001	.010
1.3	TO	1.4	.001	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.001	.001	.001	.006
1.4	TO	1.5	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.000	.000	.001	.001	.006
1.5	TO	1.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.001	.004
1.6	TO	1.7	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.001	.001	.004
1.7	TO	1.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.003
1.8	TO	1.9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001	.004
1.9	TO	2.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.003
2.0	TO	2.1	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.001	.004
2.1	TO	2.2	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.001	.001	.004
2.2	TO	2.3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
2.3	TO	2.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.003
2.4	TO	2.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
2.5	TO	2.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
2.6	TO	2.7	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.003
2.7	TO	2.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
2.8	TO	2.9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
2.9	TO	3.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
3.0	TO	3.1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
3.1	TO	3.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3.2	TO	3.3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
3.3	TO	3.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
3.4	TO	3.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3.5	TO	3.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
3.6	TO	3.7	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3.7	TO	3.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3.8	TO	3.9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3.9	TO	4.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.0	TO	4.1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.1	TO	4.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.2	TO	4.3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.3	TO	4.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.4	TO	4.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.5	TO	4.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.6	TO	4.7	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.7	TO	4.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.8	TO	4.9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4.9	TO	5.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

1 **********PLUME HEIGHT PARAMETER FREQUENCY TABLE**********
Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

PLUME HEIGHT RANGE (M)			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
			WIND HEADED																
			S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
5.0	TO	5.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5.2	TO	5.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5.4	TO	5.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5.6	TO	5.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5.8	TO	6.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6.0	TO	6.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6.2	TO	6.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6.4	TO	6.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6.6	TO	6.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6.8	TO	7.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7.0	TO	7.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7.2	TO	7.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7.4	TO	7.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7.6	TO	7.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7.8	TO	8.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
8.0	TO	8.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
8.2	TO	8.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
8.4	TO	8.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

440	8.6 TO 8.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
441	8.8 TO 9.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
442	9.0 TO 9.2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
443	9.2 TO 9.4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
444	9.4 TO 9.6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
445	9.6 TO 9.8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
446	9.8 TO 10.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
447	10.0 TO 10.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
448	10.5 TO 11.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
449	11.0 TO 11.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
450	11.5 TO 12.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
451	12.0 TO 12.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
452	12.5 TO 13.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
453	13.0 TO 13.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
454	13.5 TO 14.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
455	14.0 TO 14.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
456	14.5 TO 15.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
457	15.0 TO 15.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
458	15.5 TO 16.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
459	16.0 TO 16.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
460	16.5 TO 17.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
461	17.0 TO 17.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
462	17.5 TO 18.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
463	18.0 TO 18.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
464	18.5 TO 19.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
465	19.0 TO 19.5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
466	19.5 TO 20.0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
467	20.0 TO OVER	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

468

469 **********

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470 AVERAGE .39189 VARIANCE 1.30913 STD DEV 1.14417

471 STD ERR .00887 SKEWNESS 7.90645 KURTOSIS 83.82133

472 **********

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473 1 **********PLUME LENGTH-K-STABILITY FREQUENCY TABLE**********

474 Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

475 **********

476

477		STABILITY CATEGORY 1			STABILITY CATEGORY 2			STABILITY CATEGORY 3		
478 PLUME										
479 LENGTH										
480 RANGE (M)		K1	K2	K3	K1	K2	K3	K1	K2	K3
481		--	--	--	--	--	--	--	--	--
482	0.0 TO 0.2	.065	.081	.003	.041	.316	.144	.020	.000	.000
483	0.2 TO 0.4	.001	.000	.000	.004	.015	.003	.004	.000	.000
484	0.4 TO 0.6	.001	.000	.000	.003	.010	.002	.003	.000	.000
485	0.6 TO 0.8	.001	.000	.000	.004	.010	.001	.004	.000	.000
486	0.8 TO 1.0	.001	.000	.000	.004	.008	.001	.004	.000	.000
487	1.0 TO 1.2	.000	.000	.000	.002	.007	.001	.002	.000	.000
488	1.2 TO 1.4	.001	.000	.000	.002	.005	.001	.003	.000	.000
489	1.4 TO 1.6	.000	.000	.000	.003	.004	.000	.003	.000	.000
490	1.6 TO 1.8	.000	.000	.000	.003	.005	.000	.003	.000	.000
491	1.8 TO 2.0	.000	.000	.000	.004	.004	.000	.004	.000	.000
492	2.0 TO 2.2	.000	.000	.000	.003	.005	.000	.003	.000	.000
493	2.2 TO 2.4	.000	.000	.000	.003	.003	.000	.002	.000	.000
494	2.4 TO 2.6	.000	.000	.000	.002	.003	.000	.002	.000	.000
495	2.6 TO 2.8	.000	.000	.000	.001	.002	.000	.001	.000	.000
496	2.8 TO 3.0	.000	.000	.000	.002	.002	.000	.002	.000	.000
497	3.0 TO 3.2	.000	.000	.000	.001	.002	.000	.002	.000	.000
498	3.2 TO 3.4	.000	.000	.000	.002	.002	.000	.003	.000	.000
499	3.4 TO 3.6	.000	.000	.000	.002	.002	.000	.002	.000	.000
500	3.6 TO 3.8	.000	.000	.000	.002	.002	.000	.003	.000	.000
501	3.8 TO 4.0	.000	.000	.000	.002	.001	.000	.002	.000	.000
502	4.0 TO 4.2	.000	.000	.000	.002	.002	.000	.003	.000	.000
503	4.2 TO 4.4	.000	.000	.000	.001	.001	.000	.002	.000	.000
504	4.4 TO 4.6	.000	.000	.000	.002	.002	.000	.003	.000	.000
505	4.6 TO 4.8	.000	.000	.000	.001	.002	.000	.000	.000	.000
506	4.8 TO 5.0	.000	.000	.000	.002	.001	.000	.001	.000	.000
507	5.0 TO 5.2	.000	.000	.000	.001	.001	.000	.001	.000	.000
508	5.2 TO 5.4	.000	.000	.000	.002	.003	.000	.001	.000	.000
509	5.4 TO 5.6	.000	.000	.000	.001	.001	.000	.001	.000	.000
510	5.6 TO 5.8	.000	.000	.000	.002	.002	.000	.001	.000	.000
511	5.8 TO 6.0	.000	.000	.000	.001	.001	.000	.001	.000	.000
512	6.0 TO 6.2	.000	.000	.000	.000	.001	.000	.001	.000	.000
513	6.2 TO 6.4	.000	.000	.000	.001	.000	.000	.001	.000	.000
514	6.4 TO 6.6	.000	.000	.000	.001	.002	.000	.000	.000	.000
515	6.6 TO 6.8	.000	.000	.000	.001	.001	.000	.000	.000	.000
516	6.8 TO 7.0	.000	.000	.000	.000	.000	.000	.001	.000	.000
517	7.0 TO 7.2	.000	.000	.000	.000	.000	.000	.000	.000	.000
518	7.2 TO 7.4	.000	.000	.000	.000	.000	.000	.000	.000	.000
519	7.4 TO 7.6	.000	.000	.000	.000	.000	.000	.000	.000	.000
520	7.6 TO 7.8	.000	.000	.000	.000	.001	.000	.001	.000	.000
521	7.8 TO 8.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
522	8.0 TO 8.2	.000	.000	.000	.000	.000	.000	.000	.000	.000
523	8.2 TO 8.4	.000	.000	.000	.000	.000	.000	.001	.000	.000
524	8.4 TO 8.6	.000	.000	.000	.000	.001	.000	.000	.000	.000
525	8.6 TO 8.8	.000	.000	.000	.000	.000	.000	.001	.000	.000
526	8.8 TO 9.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
527	9.0 TO 9.2	.000	.000	.000	.000	.000	.000	.000	.000	.000
528	9.2 TO 9.4	.000	.000	.000	.001	.000	.000	.002	.000	.000

9.4 TO 9.6	.000	.000	.000	.000	.000	.000	.000	.000	.000
9.6 TO 9.8	.000	.000	.000	.000	.000	.000	.000	.000	.000
9.8 TO 10.0	.000	.000	.000	.000	.000	.000	.001	.000	.000

1 **********PLUME LENGTH-K-STABILITY FREQUENCY TABLE**********

Blue Heron Power Plant--LMDCT--5 Yr Met Data (West Palm Beach)--One Tower

****

PLUME LENGTH RANGE (M)	STABILITY CATEGORY 1 K1	K2	K3	STABILITY CATEGORY 2 K1	K2	K3	STABILITY CATEGORY 3 K1	K2	K3
10.0 TO 10.4	.000	.000	.000	.000	.000	.000	.000	.000	.000
10.4 TO 10.8	.000	.000	.000	.002	.000	.000	.002	.000	.000
10.8 TO 11.2	.000	.000	.000	.001	.000	.000	.002	.000	.000
11.2 TO 11.6	.000	.000	.000	.001	.000	.000	.000	.000	.000
11.6 TO 12.0	.000	.000	.000	.001	.000	.000	.001	.000	.000
12.0 TO 12.4	.000	.000	.000	.000	.001	.000	.000	.000	.000
12.4 TO 12.8	.000	.000	.000	.003	.000	.000	.001	.000	.000
12.8 TO 13.2	.000	.000	.000	.000	.000	.000	.000	.000	.000
13.2 TO 13.6	.000	.000	.000	.001	.000	.000	.000	.000	.000
13.6 TO 14.0	.000	.000	.000	.001	.000	.000	.001	.000	.000
14.0 TO 14.4	.000	.000	.000	.000	.001	.000	.001	.000	.000
14.4 TO 14.8	.000	.000	.000	.001	.000	.000	.000	.000	.000
14.8 TO 15.2	.000	.000	.000	.000	.001	.000	.000	.000	.000
15.2 TO 15.6	.000	.000	.000	.001	.000	.000	.001	.000	.000
15.6 TO 16.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
16.0 TO 16.4	.000	.000	.000	.000	.000	.000	.000	.000	.000
16.4 TO 16.8	.000	.000	.000	.000	.000	.000	.000	.000	.000
16.8 TO 17.2	.000	.000	.000	.001	.000	.000	.001	.000	.000
17.2 TO 17.6	.000	.000	.000	.000	.000	.000	.000	.000	.000
17.6 TO 18.0	.000	.000	.000	.000	.001	.000	.000	.000	.000
18.0 TO 18.4	.000	.000	.000	.001	.000	.000	.000	.000	.000
18.4 TO 18.8	.000	.000	.000	.000	.000	.000	.000	.000	.000
18.8 TO 19.2	.000	.000	.000	.000	.000	.000	.000	.000	.000
19.2 TO 19.6	.000	.000	.000	.000	.001	.000	.000	.000	.000
19.6 TO 20.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
20.0 TO 21.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
21.0 TO 22.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
22.0 TO 23.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
23.0 TO 24.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
24.0 TO 25.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
25.0 TO 26.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
26.0 TO 27.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
27.0 TO 28.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
28.0 TO 29.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
29.0 TO 30.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
30.0 TO 31.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
31.0 TO 32.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
32.0 TO 33.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
33.0 TO 34.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
34.0 TO 35.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
35.0 TO 36.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
36.0 TO 37.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
37.0 TO 38.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
38.0 TO 39.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
39.0 TO 40.0	.000	.000	.000	.000	.000	.000	.000	.000	.000
40.0 TO OVER	.000	.000	.000	.002	.002	.000	.003	.000	.000

1 CAT NUM TYPE UH WX DBT DTDZ DPT VE TE MXHT PLGT FREQ REFERENCE HEIGHT= 10. M

CAT	NUM	TYPE	UH	WX	DBT	DTDZ	DPT	VE	TE	MXHT	PLGT	FREQ
	1	FOG	10.0	.25	263.1	-.010	262.6	7.4	291.4	500.	153.36	.0000
	2	FOG	15.0	.25	263.1	-.010	262.6	7.4	291.4	500.	192.50	.0000
	3	FOG	12.0	.25	263.1	-.010	261.1	7.4	291.3	500.	49.46	.0000
	4	FOG	17.0	.25	263.1	-.010	261.1	7.4	291.3	500.	52.23	.0000
	5	FOG	15.0	.25	263.1	-.010	258.6	7.4	291.1	500.	20.29	.0000
	6	FOG	12.5	.25	273.1	-.010	272.4	7.5	295.8	500.	62.67	.0000
	7	FOG	16.5	.25	273.1	-.010	269.4	7.5	295.3	500.	7.94	.0000
	8	FOG	15.0	.25	283.1	-.010	282.4	7.7	300.4	500.	28.54	.0000
	9	FOG	16.5	.25	283.1	-.010	279.4	7.7	299.7	500.	.92	.0000
	10	FOG	15.5	.25	293.1	-.010	291.1	7.9	305.3	500.	.34	.0012
	11	PLUME	3.3	.15	302.0	-.018	294.3	8.0	307.9	900.	.01	.0646
	12	PLUME	2.9	.25	299.1	-.010	294.0	8.0	307.4	1324.	.01	.0414
	13	PLUME	2.4	.30	298.2	.030	293.8	7.9	307.2	1427.	.01	.0200
	14	PLUME	5.8	.15	302.5	-.018	294.0	8.0	307.9	1132.	.01	.0808
	15	PLUME	5.8	.25	298.6	-.010	292.2	7.9	306.6	1373.	.01	.3165
	16	PLUME	3.7	.30	296.1	.030	291.0	7.9	305.7	1356.	.01	.0002
	17	PLUME	9.6	.15	301.0	-.018	292.6	8.0	307.2	1190.	.00	.0032
	18	PLUME	8.8	.25	298.4	-.010	291.1	7.9	306.2	1372.	.00	.1442
	19	PLUME	3.3	.15	297.6	-.018	294.4	8.0	307.3	832.	.24	.0007
	20	PLUME	2.8	.25	297.8	-.010	294.7	8.0	307.5	1236.	.21	.0040
	21	PLUME	2.4	.30	296.7	.030	293.2	7.9	306.6	1389.	.19	.0041
	22	PLUME	5.1	.15	292.6	-.018	287.4	7.8	303.9	351.	.10	.0001
	23	PLUME	5.2	.25	295.4	-.010	291.6	7.9	305.8	1190.	.26	.0149
	24	PLUME	3.6	.30	299.3	.030	296.5	8.0	308.5	1319.	.25	.0001
	25	PLUME	8.1	.25	295.3	-.010	292.0	7.9	306.0	1068.	.00	.0029
	26	PLUME	2.8	.15	297.1	-.018	294.2	7.9	307.1	635.	.47	.0011
	27	PLUME	2.7	.25	296.6	-.010	293.5	7.9	306.8	1295.	.35	.0034
	28	PLUME	2.3	.30	295.8	.030	292.4	7.9	306.2	1387.	.37	.0032
	29	PLUME	5.1	.15	293.4	-.018	288.5	7.8	304.4	859.	.09	.0001

619	30	PLUME	5.2	.25	295.1	-.010	291.5	7.9	305.8	1268.	.45	.0098
620	31	PLUME	8.6	.25	292.6	-.010	288.9	7.8	304.4	1009.	.23	.0015
621	32	PLUME	3.2	.15	298.2	-.018	294.2	8.0	307.3	523.	.01	.0007
622	33	PLUME	2.6	.25	297.0	-.010	294.3	7.9	307.1	1363.	.52	.0038
623	34	PLUME	2.2	.30	296.9	.030	294.1	7.9	307.1	1407.	.56	.0043
624	35	PLUME	4.6	.15	294.0	-.018	290.4	7.9	305.1	812.	.59	.0001
625	36	PLUME	4.5	.25	295.9	-.010	293.0	7.9	306.5	1226.	.76	.0275
626	37	PLUME	4.3	.25	294.7	-.010	291.9	7.9	305.8	1221.	1.08	.0258
627	38	PLUME	3.4	.25	295.3	-.010	292.9	7.9	306.3	1231.	1.63	.0302
628	39	PLUME	3.8	.25	294.7	-.010	292.5	7.9	306.1	1195.	2.00	.0286
629	40	PLUME	3.6	.25	293.7	-.010	291.8	7.9	305.6	1199.	2.99	.0299
630	41	PLUME	3.0	.25	295.4	-.010	294.1	7.9	306.8	1253.	3.89	.0279
631	42	PLUME	3.9	.25	294.3	-.010	293.0	7.9	306.2	1132.	5.21	.0289
632	43	PLUME	3.2	.25	293.2	-.010	292.2	7.9	305.7	1178.	7.43	.0279
633	44	PLUME	3.1	.25	295.2	-.010	294.6	7.9	307.0	1137.	12.65	.0287
634	45	PLUME	3.7	.25	292.9	-.010	292.5	7.9	305.7	1071.	28.01	.0188
635												
636												
637	MET RECORDS READ :		43824									
638	RECORDS DISCARDED:		26304									
639	CALM RECORDS:		889									
640	----------		---									
641	TOTAL TO NEW FILE:		17520									

```
 1 fort.3
 2 mult.out
 3 fort.8
 4 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
 5   2  1  1  0   10000.0       0.0 10  0  1  0  0
 6      65.84       0.00
 7      51.21       0.00
 8      36.58       0.00
 9      21.95       0.00
10       7.32       0.00
11      -7.32       0.00
12     -21.95       0.00
13     -36.58       0.00
14     -51.21       0.00
15     -65.84       0.00
16   3        0.0       45.0       90.0
17   1  1   2  3  3  3  2  1  1  1  2  3  3  3  2  1
18               146.30      15.24       90.0
19       0.00       0.00
20 Blue Heron Project--Typical Drift Emission Spectrum
21  8          47.32   0.0101       2.17
22       10.0    0.6000       0.0
23       50.0    0.2000       0.0
24      100.0    0.1000       0.0
25      150.0    0.0480       0.0
26      250.0    0.0364       0.0
27      400.0    0.0126       0.0
28      500.0    0.0019       0.0
29     1000.0    0.0011       0.0
30 •
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 1 fort.2
 2 fort.4
 3 tables.out
 4 fort.8
 5 fort.9
 6   5  0
 7 WINTER
 8                        335   59
 9 SPRING
10                         60  151
11 SUMMER
12                        152  243
13 FALL
14                        244  334
15 ANNUAL
16                          0    0
17 0.0
18   0  0  0  0  0
19 □
```

1 1

EPRI SEASONAL/ANNUAL TABLES PROGRAM, VERSION 11-01-90

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

SUMMARY OF PLUME PREDICTIONS WHEN WIND IS FROM .0 DEGREES EAST OF NORTH

CAT NO.	PLUME LENGTH	PLUME HEIGHT	PLUME RADIUS
11	43.20	22.4	19.00
12	119.10	46.9	28.50
13	79.10	38.5	30.70
14	52.90	9.8	17.30
15	98.20	9.3	20.20
16	124.90	29.0	26.00
17	44.20	-.8	8.60
18	49.10	-1.0	13.30
19	205.40	73.0	36.00
20	234.40	79.3	35.70
21	83.50	40.8	34.40
22	146.60	24.8	26.80
23	207.30	23.3	26.80
24	134.20	32.7	31.10
25	158.70	-6.7	24.40
26	218.10	94.6	40.10
27	233.60	81.3	36.80
28	83.20	41.3	35.90
29	166.40	27.5	27.10
30	227.10	25.8	27.80
31	139.00	-5.7	24.00
32	156.20	62.3	32.60
33	261.80	90.5	39.00
34	77.20	42.2	38.50
35	214.20	43.4	31.70
36	255.00	41.7	31.60
37	284.30	48.2	32.80
38	328.10	79.1	38.80
39	390.20	76.9	38.90
40	438.40	88.8	42.90
41	7386.10	1248.5	650.20
42	9427.60	1125.6	597.70
43	7400.00	1178.5	657.40
44	9728.00+	1273.9+	466.70+
45	9762.00+	1202.8+	467.50+

* A PLUS SIGN INDICATES THAT THE VISIBLE PLUME DID NOT END WITHIN A CENTERLINE DISTANCE OF 10000.0 METERS

1 1

EPRI SEASONAL/ANNUAL TABLES PROGRAM, VERSION 11-01-90

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

SUMMARY OF PLUME PREDICTIONS WHEN WIND IS FROM 45.0 DEGREES EAST OF NORTH

CAT NO.	PLUME LENGTH	PLUME HEIGHT	PLUME RADIUS
11	14.60	12.4	6.70

66	12	19.00	14.5	8.30
67	13	17.90	15.6	8.80
68	14	27.50	10.5	5.80
69	15	42.40	13.2	7.60
70	16	16.40	10.2	6.50
71	17	34.00	6.7	5.40
72	18	43.90	8.1	6.20
73	19	14.50	12.6	7.20
74	20	18.80	14.7	8.30
75	21	17.80	15.7	8.80
76	22	70.20	24.1	11.80
77	23	134.80	34.3	14.40
78	24	16.10	10.5	6.60
79	25	98.20	16.2	15.20
80	26	18.00	15.7	9.10
81	27	18.50	15.0	8.70
82	28	17.50	16.0	8.90
83	29	65.30	22.8	11.50
84	30	46.70	15.9	14.20
85	31	168.20	21.6	17.00
86	32	14.30	12.8	7.30
87	33	18.20	15.4	8.90
88	34	16.90	16.4	8.90
89	35	26.20	13.1	10.00
90	36	26.50	12.6	9.70
91	37	26.30	12.9	9.80
92	38	15.50	11.3	6.90
93	39	25.30	14.7	10.40
94	40	29.60	16.9	14.10
95	41	14.40	12.5	6.90
96	42	25.60	14.2	12.20
97	43	28.50	18.6	18.60
98	44	14.60	12.3	9.60
99	45	67.00	31.4	35.10

* A PLUS SIGN INDICATES THAT THE VISIBLE PLUME DID NOT END WITHIN A CENTERLINE DISTANCE OF 10000.0 METERS

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EPRI SEASONAL/ANNUAL TABLES PROGRAM, VERSION 11-01-90

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

SUMMARY OF PLUME PREDICTIONS WHEN WIND IS FROM 90.0 DEGREES EAST OF NORTH

CAT NO.	PLUME LENGTH	PLUME HEIGHT	PLUME RADIUS
11	19.80	14.0	6.60
12	19.10	14.6	8.20
13	22.90	17.3	9.50
14	32.80	10.9	5.60
15	62.50	16.3	7.30
16	21.50	11.5	7.60
17	34.40	4.8	5.20
18	34.40	5.3	6.10
19	19.60	14.2	8.50
20	18.90	14.8	8.60
21	22.80	17.4	10.00
22	123.40	39.1	11.90
23	222.80	54.4	17.80
24	21.20	11.9	7.70
25	49.00	8.4	9.10

26	22.90	17.5	10.30
27	23.50	16.7	9.50
28	22.50	17.7	10.00
29	113.80	36.3	11.70
30	242.30	58.7	19.40
31	34.30	5.5	6.80
32	19.20	14.6	8.60
33	23.10	17.1	10.00
34	21.90	18.4	10.20
35	36.20	15.5	10.90
36	36.50	14.8	10.80
37	36.30	15.1	10.90
38	20.50	12.9	8.00
39	35.30	17.3	11.00
40	34.70	18.3	12.60
41	19.60	14.2	8.20
42	35.60	16.7	11.90
43	38.20	21.9	18.20
44	37.80	22.5	21.20
45	9753.20+	1190.3+	445.40+

* A PLUS SIGN INDICATES THAT THE VISIBLE PLUME DID NOT END WITHIN A CENTERLINE DISTANCE OF 10000.0 METERS

1

TOTAL RECORDS FOR SEASON WINTER = 4320

NUMBER OF STAGNANT CASES = 141

1 ********** FREQUENCY PERCENTAGE BY CATEGORY AND WIND DIRECTION **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

SEASON=WINTER

********** WIND FROM **********

CATEGORY NUMBER	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	********** PLUME HEADED **********																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
11	.26	.12	.19	.17	.24	.31	.17	.07	.14	.07	.05	.21	.17	.26	.31	.26	2.99
12	.08	.16	.11	.27	.21	.16	.11	.05	.11	.08	.16	.16	.11	.19	.32	.08	2.36
13	.28	.00	.14	.28	.00	.14	.00	.00	.14	.00	.14	.14	.00	.00	.57	.43	2.27
14	.14	.09	.19	.25	.14	.35	.21	.12	.12	.09	.07	.12	.09	.09	.19	.14	2.38
15	1.11	.56	1.34	3.82	7.55	4.40	4.31	2.18	1.41	.25	.56	.39	.67	.58	.46	.60	30.19
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	1.27	.32	.49	2.11	4.35	1.71	2.71	1.99	.72	.39	.28	.07	.30	.25	.23	.35	17.55
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.06	.00	.00	.00	.06	.03	.06	.03	.00	.00	.09	.00	.00	.03	.00	.00	.35
21	.00	.00	.07	.15	.00	.00	.00	.07	.07	.00	.00	.07	.00	.07	.07	.15	.74
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02
23	.16	.02	.12	.23	.56	.53	.30	.35	.19	.02	.09	.09	.05	.05	.09	.16	3.01
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.05	.00	.00	.00	.19	.02	.09	.02	.02	.02	.00	.00	.00	.00	.02	.09	.53
26	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	.00	.05
27	.07	.00	.05	.02	.05	.00	.02	.05	.00	.00	.00	.00	.00	.02	.09	.05	.42
28	.03	.00	.03	.00	.05	.03	.03	.03	.00	.00	.00	.00	.05	.05	.00	.05	.35
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.05	.00	.00	.12	.16	.28	.21	.14	.14	.05	.00	.00	.02	.09	.21	.12	1.57
31	.02	.00	.00	.00	.05	.02	.02	.00	.00	.00	.00	.00	.00	.00	.02	.09	.23
32	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.05
33	.00	.05	.00	.00	.00	.00	.02	.02	.00	.02	.05	.02	.02	.02	.02	.05	.30
34	.02	.00	.00	.02	.02	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.05	.14
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02
36	.28	.09	.05	.21	.58	.37	.25	.37	.39	.12	.05	.00	.00	.05	.44	.35	3.59
37	.35	.07	.07	.12	.30	.35	.23	.12	.23	.12	.00	.02	.12	.14	.37	.72	3.31
38	.21	.12	.12	.19	.16	.30	.37	.16	.21	.09	.12	.09	.09	.16	.35	.69	3.43

39	.32	.02	.00	.00	.14	.25	.23	.09	.16	.12	.02	.09	.05	.14	.53	.65	2.82
40	.30	.05	.05	.12	.16	.32	.25	.21	.35	.28	.16	.19	.16	.39	.72	.67	4.38
41	.21	.05	.11	.05	.11	.08	.03	.05	.08	.13	.16	.13	.08	.24	.53	.61	2.66
42	.23	.05	.05	.00	.21	.05	.12	.16	.23	.12	.19	.30	.09	.16	.58	.74	3.26
43	.58	.02	.09	.07	.07	.12	.21	.21	.21	.28	.12	.21	.28	.28	.56	.81	4.10
44	.23	.02	.00	.02	.07	.12	.09	.19	.23	.16	.14	.16	.35	.12	.39	.30	2.59
45	.23	.14	.07	.07	.12	.19	.21	.12	.56	.39	.44	.35	.30	.16	.49	.53	4.35
	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
TOTALS	6.57	1.95	3.31	8.28	15.53	10.12	10.29	6.79	5.71	2.81	2.87	2.85	3.00	3.60	7.59	8.73	100.00

1 ********** STABILITY CLASS BY WIND DIRECTION **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

********** WIND FROM **********

STABILITY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
CLASS	********** PLUME HEADED **********																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.01	.02	.02	.00	.00	.01	.00	.01	.01	.01	.01	.04	.02	.02	.01	.01	.00
3	.07	.08	.10	.05	.02	.06	.04	.02	.04	.06	.04	.10	.06	.10	.08	.04	.03
4	.63	.66	.70	.78	.83	.73	.76	.73	.50	.52	.55	.47	.49	.43	.50	.47	.08
5	.19	.12	.11	.14	.12	.18	.16	.17	.32	.22	.26	.18	.24	.29	.26	.28	.05
6	.09	.11	.07	.02	.02	.02	.03	.07	.13	.18	.11	.19	.16	.13	.14	.17	.28
7	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.03	.02	.02	.03	.02	.02	.56

********** WIND SPEED DISTRIBUTION BY DIRECTION AT REFERENCE HEIGHT OF 200. METERS **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

********** WIND FROM **********

WIND	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
RANGE	********** PLUME HEADED **********																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.01	.01	.00	1.00
2	.24	.25	.13	.04	.04	.06	.05	.09	.16	.20	.25	.38	.28	.27	.26	.27	.00
3	.75	.75	.86	.96	.96	.94	.95	.91	.84	.80	.75	.61	.72	.72	.73	.73	.00

********** COMBINED FACTORS BY WIND DIRECTION **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

********** WIND FROM **********

COMBINED	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
CLASS*	********** PLUME HEADED **********																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03
2	.02	.03	.02	.00	.00	.00	.00	.00	.01	.01	.01	.05	.02	.03	.02	.02	.00
3	.06	.08	.10	.05	.02	.06	.04	.03	.04	.05	.04	.08	.06	.09	.06	.04	.00
4	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.13
5	.19	.20	.10	.03	.03	.05	.04	.08	.13	.15	.20	.24	.21	.20	.20	.20	.00
6	.62	.58	.70	.89	.92	.86	.88	.82	.69	.60	.61	.39	.53	.52	.55	.54	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.84
8	.02	.03	.01	.00	.00	.00	.00	.01	.02	.04	.03	.08	.05	.04	.04	.05	.00
9	.07	.08	.06	.02	.02	.02	.03	.06	.11	.15	.10	.13	.13	.12	.12	.14	.00

* COMBINED CLASSES ARE DEFINED AS FOLLOWS:
1=UNSTABLE, LOW WIND 2=UNSTABLE, MODERATE WIND 3=UNSTABLE, HIGH WIND
4=NEUTRAL, LOW WIND 5=NEUTRAL MODERATE WIND 6=NEUTRAL, HIGH WIND
7=STABLE, LOW WIND 8=STABLE, MODERATE WIND 9=STABLE, HIGH WIND

1 ********** PLUME LENGTH FREQUENCY TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

SEASON=WINTER

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
100.	6.57	1.95	3.31	8.28	15.53	10.12	10.29	6.79	5.71	2.81	2.87	2.85	3.00	3.60	7.59	8.73	100.00
200.	3.45	.86	.12	.42	.83	1.00	.32	2.33	3.10	2.00	.09	.44	.37	.32	.12	6.71	22.49
300.	3.28	.70	.00	.42	.83	1.00	.00	2.26	2.97	1.89	.00	.44	.37	.30	.00	6.45	20.91
400.	2.32	.47	.00	.07	.12	.19	.00	1.19	2.02	1.57	.00	.35	.30	.16	.00	5.01	13.76
500.	1.79	.33	.00	.07	.12	.19	.00	.93	1.65	1.36	.00	.35	.30	.16	.00	3.67	10.91
600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1500.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
1900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2500.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
2900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3500.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
3900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4500.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
4900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
5000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06

1 PLUME LENGTH FREQUENCY TABLE

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM

326																	
327	5100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
328	5200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
329	5300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
330	5400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
331	5500.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
332	5600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
333	5700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
334	5800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
335	5900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
336	6000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
337	6100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
338	6200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
339	6300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
340	6400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
341	6500.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
342	6600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
343	6700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
344	6800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
345	6900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
346	7000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
347	7100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
348	7200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
349	7300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
350	7400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
351	7500.	1.27	.23	.00	.07	.12	.19	.00	.67	1.23	.95	.00	.35	.30	.16	.00	2.38	7.92
352	7600.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
353	7700.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
354	7800.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
355	7900.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
356	8000.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
357	8100.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
358	8200.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
359	8300.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
360	8400.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
361	8500.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
362	8600.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
363	8700.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
364	8800.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
365	8900.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
366	9000.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
367	9100.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
368	9200.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
369	9300.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
370	9400.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
371	9500.	.69	.21	.00	.07	.12	.19	.00	.46	1.02	.67	.00	.35	.30	.16	.00	1.57	5.81
372	9600.	.46	.16	.00	.07	.12	.19	.00	.30	.79	.56	.00	.35	.30	.16	.00	.83	4.28
373	9700.	.46	.16	.00	.07	.12	.19	.00	.30	.79	.56	.00	.35	.30	.16	.00	.83	4.28
374	9800.	.46	.16	.00	.07	.12	.19	.00	.30	.79	.56	.00	.35	.30	.16	.00	.83	4.28
375	9900.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
376	10000.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

377 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

378 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

379 SEASON=WINTER

380	HEIGHT	********** WIND FROM **********																
381	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
382	TOWER	********** PLUME HEADED **********																
383	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
384																		
385	10.	6.57	1.95	3.31	8.28	15.53	10.12	10.29	6.79	5.71	2.81	2.87	2.85	3.00	3.60	7.59	8.73	100.00
386	20.	3.98	.98	2.82	6.17	10.95	8.36	7.58	2.48	3.44	2.04	2.59	2.78	2.70	3.34	7.36	7.46	75.05
387	30.	3.98	.98	.19	.51	.97	1.23	.53	2.48	3.44	2.04	.53	.81	1.00	.72	.60	7.46	27.47
388	40.	3.51	.84	.19	.42	.83	1.00	.51	1.93	2.97	1.90	.53	.44	.37	.32	.58	6.92	23.26
389	50.	3.23	.84	.00	.42	.83	1.00	.00	1.93	2.83	1.90	.00	.44	.37	.30	.00	6.50	20.58
390	60.	2.47	.52	.00	.42	.83	1.00	.00	1.29	2.02	1.59	.00	.44	.37	.30	.00	5.10	16.35

391	70.	2.47	.52	.00	.07	.12	.19	.00	1.29	2.02	1.59	.00	.35	.30	.16	.00	5.10	14.17
392	80.	2.45	.52	.00	.07	.12	.19	.00	1.29	2.02	1.59	.00	.35	.30	.16	.00	5.10	14.15
393	90.	1.86	.38	.00	.07	.12	.19	.00	1.00	1.65	1.38	.00	.35	.30	.16	.00	3.76	11.21
394	100.	1.49	.33	.00	.07	.12	.19	.00	.75	1.31	1.11	.00	.35	.30	.16	.00	3.04	9.20
395	110.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
396	120.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
397	130.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
398	140.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
399	150.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
400	160.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
401	170.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
402	180.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
403	190.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
404	200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
405	210.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
406	220.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
407	230.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
408	240.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
409	250.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
410	260.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
411	270.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
412	280.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
413	290.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
414	300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
415	310.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
416	320.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
417	330.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
418	340.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
419	350.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
420	360.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
421	370.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
422	380.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
423	390.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
424	400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
425	410.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
426	420.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
427	430.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
428	440.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
429	450.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
430	460.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
431	470.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
432	480.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
433	490.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
434	500.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06

1 ********** PLUME HEIGHT FREQUENCY TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

HEIGHT	********** WIND FROM **********																
FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
TOWER	********** PLUME HEADED **********																
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
510.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
520.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
530.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
540.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
550.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
560.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
570.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
580.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
590.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
600.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
610.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
620.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
630.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06

456	640.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
457	650.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
458	660.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
459	670.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
460	680.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
461	690.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
462	700.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
463	710.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
464	720.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
465	730.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
466	740.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
467	750.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
468	760.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
469	770.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
470	780.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
471	790.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
472	800.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
473	810.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
474	820.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
475	830.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
476	840.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
477	850.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
478	860.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
479	870.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
480	880.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
481	890.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
482	900.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
483	910.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
484	920.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
485	930.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
486	940.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
487	950.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
488	960.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
489	970.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
490	980.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
491	990.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
492	1000.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06

493 1 ********** PLUME RADIUS FREQUENCY TABLE **********

494 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

495 SEASON=WINTER

496 MAXIMUM ********** WIND FROM **********

497	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
498	TOWER	********** PLUME HEADED **********																
499	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
500																		
501	5.	6.57	1.95	3.31	8.28	15.53	10.12	10.29	6.79	5.71	2.81	2.87	2.85	3.00	3.60	7.59	8.73	100.00
502	10.	6.57	1.95	3.31	8.28	15.53	10.12	10.29	6.79	5.71	2.81	2.87	2.85	3.00	3.60	7.59	8.73	100.00
503	15.	6.57	1.95	.37	1.12	2.44	2.60	1.64	6.79	5.71	2.81	1.02	1.51	1.49	1.77	3.22	8.73	49.73
504	20.	5.30	1.63	.16	.51	.97	1.23	.53	4.80	4.99	2.41	.56	.81	1.00	.69	1.09	8.39	35.06
505	25.	4.90	1.42	.07	.09	.19	.30	.21	4.61	4.73	2.25	.44	.51	.65	.28	.49	7.99	29.11
506	30.	3.72	.86	.07	.07	.12	.19	.21	2.41	3.30	1.97	.44	.35	.30	.16	.49	7.20	21.85
507	35.	3.43	.68	.07	.07	.12	.19	.21	1.87	2.87	1.82	.44	.35	.30	.16	.49	6.84	19.89
508	40.	2.50	.52	.07	.07	.12	.19	.21	1.31	2.02	1.59	.44	.35	.30	.16	.49	5.20	15.53
509	45.	1.79	.33	.00	.07	.12	.19	.00	.93	1.65	1.36	.00	.35	.30	.16	.00	3.67	10.91
510	50.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
511	55.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
512	60.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
513	65.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
514	70.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
515	75.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
516	80.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
517	85.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
518	90.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
519	95.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
520	100.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06

521	105.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
522	110.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
523	115.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
524	120.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
525	125.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
526	130.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
527	135.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
528	140.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
529	145.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
530	150.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
531	155.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
532	160.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
533	165.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
534	170.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
535	175.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
536	180.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
537	185.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
538	190.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
539	195.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
540	200.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
541	205.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
542	210.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
543	215.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
544	220.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
545	225.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
546	230.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
547	235.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
548	240.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
549	245.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
550	250.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06

551 1 ********** PLUME RADIUS FREQUENCY TABLE **********

552 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

553 SEASON=WINTER

554	MAXIMUM	********** WIND FROM **********																
555	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
556	TOWER	********** PLUME HEADED **********																
557	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
558																		
559	255.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
560	260.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
561	265.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
562	270.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
563	275.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
564	280.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
565	285.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
566	290.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
567	295.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
568	300.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
569	305.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
570	310.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
571	315.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
572	320.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
573	325.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
574	330.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
575	335.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
576	340.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
577	345.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
578	350.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
579	355.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
580	360.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
581	365.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
582	370.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
583	375.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
584	380.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
585	385.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06

586	390.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
587	395.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
588	400.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
589	405.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
590	410.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
591	415.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
592	420.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
593	425.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
594	430.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
595	435.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
596	440.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
597	445.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
598	450.	1.49	.28	.00	.07	.12	.19	.00	.72	1.31	1.08	.00	.35	.30	.16	.00	3.00	9.06
599	455.	1.49	.28	.00	.00	.00	.00	.00	.72	1.31	1.08	.00	.00	.00	.00	.00	3.00	7.88
600	460.	1.49	.28	.00	.00	.00	.00	.00	.72	1.31	1.08	.00	.00	.00	.00	.00	3.00	7.88
601	465.	1.49	.28	.00	.00	.00	.00	.00	.72	1.31	1.08	.00	.00	.00	.00	.00	3.00	7.88
602	470	1.49	.28	.00	.00	.00	.00	.00	.72	1.31	1.08	.00	.00	.00	.00	.00	3.00	7.88
603	475	1.02	.12	.00	.00	.00	.00	.00	.42	.52	.53	.00	.00	.00	.00	.00	2.16	4.78
604	480.	1.02	.12	.00	.00	.00	.00	.00	.42	.52	.53	.00	.00	.00	.00	.00	2.16	4.78
605	485.	1.02	.12	.00	.00	.00	.00	.00	.42	.52	.53	.00	.00	.00	.00	.00	2.16	4.78
606	490.	1.02	.12	.00	.00	.00	.00	.00	.42	.52	.53	.00	.00	.00	.00	.00	2.16	4.78
607	495.	1.02	.12	.00	.00	.00	.00	.00	.42	.52	.53	.00	.00	.00	.00	.00	2.16	4.78
608	500.	1.02	.12	.00	.00	.00	.00	.00	.42	.52	.53	.00	.00	.00	.00	.00	2.16	4.78

609 1 ********** HOURS OF PLUME SHADOWING TABLE **********

610 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

611 SEASON=WINTER

612 DISTANCE	********** WIND FROM **********																
613 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
614 TOWER	********** PLUME HEADED **********																
615 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
616																	
617 200.	86.8	83.1	86.4	131.3	113.6	184.8	164.4	123.2	107.7	113.2	204.9	138.4	65.0	77.9	69.7	84.5	114.7
618 400.	38.5	38.1	34.4	43.1	44.1	52.2	25.2	29.0	24.6	15.9	14.1	31.4	11.1	8.2	10.6	27.0	28.0
619 600.	28.8	31.4	28.4	25.1	23.2	12.6	19.4	21.8	18.8	8.3	3.3	9.8	6.0	6.4	6.8	10.6	16.3
620 800.	20.3	28.7	26.4	22.6	10.1	4.0	13.8	14.8	13.6	6.7	1.2	3.9	6.7	5.3	5.1	7.2	11.9
621 1000.	17.8	26.3	22.9	18.9	6.2	2.7	8.5	13.2	13.6	4.2	1.2	2.8	5.5	4.6	3.2	5.0	9.8
622 1200.	15.1	25.1	21.9	16.3	3.7	2.2	5.5	12.2	12.3	3.2	1.2	2.2	5.5	4.6	3.2	5.0	8.7
623 1400.	13.8	24.1	21.9	14.9	2.5	2.2	4.3	10.2	12.3	3.2	1.2	3.2	3.7	3.6	3.2	5.0	8.1
624 1600.	13.8	22.8	21.9	13.6	2.5	1.7	4.3	10.2	12.3	3.2	1.2	2.3	3.7	3.6	3.2	5.0	7.8
625 1800.	13.8	22.8	21.9	13.6	2.5	1.7	4.3	10.2	11.3	3.2	1.2	2.3	3.7	3.6	3.2	5.0	7.8
626 2000.	13.8	21.6	21.9	12.1	1.2	1.7	2.9	9.0	11.3	3.2	1.2	2.3	3.7	3.1	2.2	5.0	7.3
627 2200.	13.8	21.6	21.9	12.1	1.2	1.7	2.3	9.0	11.3	3.2	1.2	2.3	3.2	3.1	2.2	5.0	7.2
628 2400.	13.8	21.6	21.9	12.1	1.2	1.7	2.3	8.0	9.8	3.2	1.2	2.3	3.2	3.1	2.2	5.0	7.0
629 2600.	12.3	21.6	21.9	10.2	1.2	1.1	2.3	8.0	9.8	3.2	1.2	2.3	3.2	3.1	2.2	5.0	6.8
630 2800.	12.3	21.6	21.9	10.2	1.2	1.1	2.3	8.0	9.8	3.2	1.2	2.3	3.2	3.1	2.2	5.0	6.8
631 3000.	12.3	21.6	21.9	9.0	1.2	1.1	2.3	8.0	9.8	3.2	1.2	2.3	3.2	3.1	2.2	5.0	6.7
632 3200.	10.3	21.6	21.9	9.0	1.2	1.1	2.3	8.0	9.8	3.2	1.2	1.0	3.2	3.1	2.2	5.0	6.5
633 3400.	10.3	20.2	21.9	7.7	1.2	1.1	2.3	6.7	9.8	3.2	1.2	1.0	1.9	3.1	2.2	5.0	6.2
634 3600.	8.8	18.7	21.9	7.7	1.2	.6	2.3	6.7	9.8	3.2	1.2	1.0	1.9	3.1	2.2	5.0	6.0
635 3800.	8.8	16.5	20.4	7.7	1.2	.6	1.0	6.7	8.8	3.2	.0	2.2	1.9	3.1	2.2	5.0	5.6
636 4000.	8.8	15.2	19.0	7.7	1.2	.6	1.0	6.7	8.8	3.2	.0	1.0	1.9	2.2	2.2	5.0	5.3
637 4200.	8.8	15.2	19.0	6.3	1.2	.6	1.0	6.7	8.8	3.2	.0	1.0	1.9	2.2	2.2	5.0	5.2
638 4400.	8.8	13.8	19.0	6.3	1.2	.6	1.0	6.7	8.8	3.2	.0	1.0	1.9	2.2	2.2	5.0	5.1
639 4600.	8.8	12.4	17.7	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	5.0	4.9
640 4800.	8.8	12.4	14.9	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	4.0	4.6
641 5000.	8.8	10.9	13.6	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	4.0	4.5
642 5200.	6.4	10.9	13.6	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	3.0	4.3
643 5400.	5.4	9.6	13.6	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	3.0	4.1
644 5600.	5.4	9.6	12.4	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	3.0	4.0
645 5800.	5.4	7.3	12.4	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	3.0	3.9
646 6000.	5.4	7.3	10.0	6.3	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	3.0	3.7
647 6200.	4.4	5.9	10.0	5.0	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	3.0	3.5
648 6400.	3.0	4.9	8.7	3.7	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	3.0	3.2
649 6600.	2.0	4.9	8.7	3.7	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	2.0	3.1
650 6800.	1.0	4.9	8.7	3.7	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	1.0	2.9

651	7000.	1.0	3.6	8.7	3.7	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	.0	2.8
652	7200.	1.0	2.2	8.7	3.7	1.2	.6	1.0	6.7	7.6	3.2	.0	1.0	1.9	2.2	2.2	.0	2.7
653	7400.	1.0	.0	7.3	3.7	1.2	.6	1.0	6.7	6.2	3.2	.0	1.0	1.9	2.2	2.2	.0	2.4
654	7600.	1.0	.0	6.1	3.7	1.2	.6	1.0	6.7	6.2	2.2	.0	1.0	1.9	2.2	2.2	.0	2.3
655	7800.	1.0	.0	3.7	3.7	1.2	.6	1.0	6.7	6.2	.0	.0	1.0	1.9	2.2	2.2	.0	2.0
656	8000.	.0	.0	3.7	3.7	1.2	.6	1.0	6.7	6.2	.0	.0	1.0	1.9	2.2	2.2	.0	1.9

657 1 ********** TOTAL SOLAR ENERGY LOSS TABLE (MJ/M**2)**********

658 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

659 SEASON=WINTER

660 DISTANCE	********** WIND FROM **********																
661 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
662 TOWER	********** PLUME HEADED **********																
663 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
664																	
665 200.	53.8	45.3	40.1	54.6	47.8	87.2	120.1	113.3	91.2	75.1	116.9	68.0	29.7	35.4	34.3	50.8	66.5
666 400.	17.6	17.5	13.9	13.7	15.0	15.9	9.7	16.7	13.4	5.7	3.9	6.1	2.3	2.7	6.5	14.9	11.0
667 600.	12.7	14.4	11.6	6.7	6.6	2.4	7.1	12.2	8.9	2.9	1.0	1.1	1.3	1.9	3.6	7.5	6.4
668 800.	9.8	11.3	9.2	6.6	2.4	.4	4.7	7.6	7.1	2.3	.3	.5	1.7	1.9	3.2	5.2	4.6
669 1000.	9.1	10.4	8.0	5.4	1.3	.0	3.0	7.0	7.1	1.6	.3	.5	1.7	1.9	2.2	3.8	4.0
670 1200.	8.3	10.1	7.8	4.8	.7	.0	2.3	6.7	6.7	1.3	.3	.5	1.7	1.9	2.2	3.8	3.7
671 1400.	7.8	9.4	7.8	4.3	.3	.0	2.0	4.5	6.7	1.3	.3	1.0	1.4	1.4	2.2	3.8	3.4
672 1600.	7.8	9.0	7.8	3.8	.3	.0	2.0	4.5	6.7	1.3	.3	.9	1.4	1.4	2.2	3.8	3.3
673 1800.	7.8	9.0	7.8	3.8	.3	.0	2.0	4.5	5.9	1.3	.3	.9	1.4	1.4	2.2	3.8	3.3
674 2000.	7.8	8.7	7.8	3.2	.0	.0	1.5	4.2	5.9	1.3	.3	.9	1.4	1.4	.7	3.8	3.1
675 2200.	7.8	8.7	7.8	3.2	.0	.0	1.5	4.2	5.9	1.3	.3	.9	1.4	1.4	.7	3.8	3.1
676 2400.	7.8	8.7	7.8	3.2	.0	.0	1.5	2.6	5.3	1.3	.3	.9	1.4	1.4	.7	3.8	2.9
677 2600.	7.2	8.7	7.8	2.9	.0	.0	1.5	2.6	5.3	1.3	.3	.9	1.4	1.4	.7	3.8	2.9
678 2800.	7.2	8.7	7.8	2.9	.0	.0	1.5	2.6	5.3	1.3	.3	.9	1.4	1.4	.7	3.8	2.9
679 3000.	7.2	8.7	7.8	2.6	.0	.0	1.5	2.6	5.3	1.3	.3	.9	1.4	1.4	.7	3.8	2.8
680 3200.	6.4	8.7	7.8	2.6	.0	.0	1.5	2.6	5.3	1.3	.3	.5	1.4	1.4	.7	3.8	2.8
681 3400.	6.4	8.2	7.8	2.3	.0	.0	1.5	2.2	5.3	1.3	.3	.5	1.0	1.4	.7	3.8	2.7
682 3600.	5.7	7.6	7.8	2.3	.0	.0	1.5	2.2	5.3	1.3	.3	.5	1.0	1.4	.7	3.8	2.6
683 3800.	5.7	5.6	7.2	2.3	.0	.0	1.1	2.2	4.6	1.3	.0	.8	1.0	1.4	.7	3.8	2.4
684 4000.	5.7	5.3	6.6	2.3	.0	.0	1.1	2.2	4.6	1.3	.0	.5	1.0	1.4	.7	3.8	2.3
685 4200.	5.7	5.3	6.6	1.7	.0	.0	1.1	2.2	4.6	1.3	.0	.5	1.0	1.4	.7	3.8	2.3
686 4400.	5.7	4.8	6.6	1.7	.0	.0	1.1	2.2	4.6	1.3	.0	.5	1.0	1.4	.7	3.8	2.2
687 4600.	5.7	4.2	6.2	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	3.8	2.1
688 4800.	5.7	4.2	5.2	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	3.2	2.0
689 5000.	5.7	3.7	4.9	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	3.2	2.0
690 5200.	4.8	3.7	4.9	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	2.8	1.9
691 5400.	4.1	3.2	4.9	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	2.8	1.8
692 5600.	4.1	3.2	4.5	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	2.8	1.8
693 5800.	4.1	2.3	4.5	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	2.8	1.8
694 6000.	4.1	2.3	3.7	1.7	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	2.8	1.7
695 6200.	3.5	1.7	3.7	1.3	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	2.8	1.6
696 6400.	3.0	1.4	3.4	1.0	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	2.8	1.5
697 6600.	1.6	1.4	3.4	1.0	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	1.8	1.4
698 6800.	1.0	1.4	3.4	1.0	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	1.2	1.3
699 7000.	1.0	1.1	3.4	1.0	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	.0	1.2
700 7200.	1.0	.6	3.4	1.0	.0	.0	1.1	2.2	4.3	1.3	.0	.5	1.0	1.4	.7	.0	1.2
701 7400.	1.0	.0	2.9	1.0	.0	.0	1.1	2.2	3.8	1.3	.0	.5	1.0	1.4	.7	.0	1.1
702 7600.	1.0	.0	2.6	1.0	.0	.0	1.1	2.2	3.8	.6	.0	.5	1.0	1.4	.7	.0	1.0
703 7800.	1.0	.0	2.0	1.0	.0	.0	1.1	2.2	3.8	.0	.0	.5	1.0	1.4	.7	.0	.9
704 8000.	.0	.0	2.0	1.0	.0	.0	1.1	2.2	3.8	.0	.0	.5	1.0	1.4	.7	.0	.9

705 1 ********** PERCENT TOTAL ENERGY LOSS TABLE **********

706 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

707 SEASON=WINTER

708 DISTANCE	********** WIND FROM **********																
709 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
710 TOWER	********** PLUME HEADED **********																
711 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
712																	
713 200.	2.0	1.7	1.5	2.0	1.8	3.2	4.4	4.2	3.4	2.8	4.3	2.5	1.1	1.3	1.3	1.9	2.5
714 400.	.6	.6	.5	.5	.6	.6	.4	.6	.5	.2	.1	.2	.1	.1	.2	.5	.4
715 600.	.5	.5	.4	.2	.2	.1	.3	.4	.3	.1	.0	.0	.0	.1	.1	.3	.2

716	800.	.4	.4	.3	.2	.1	.0	.2	.3	.3	.1	.0	.0	.1	.1	.1	.2	.2
717	1000.	.3	.4	.3	.2	.0	.0	.1	.3	.3	.1	.0	.0	.1	.1	.1	.1	.1
718	1200.	.3	.4	.3	.2	.0	.0	.1	.2	.2	.0	.0	.0	.1	.1	.1	.1	.1
719	1400.	.3	.3	.3	.2	.0	.0	.1	.2	.2	.0	.0	.0	.1	.1	.1	.1	.1
720	1600.	.3	.3	.3	.1	.0	.0	.1	.2	.2	.0	.0	.0	.1	.1	.1	.1	.1
721	1800.	.3	.3	.3	.1	.0	.0	.1	.2	.2	.0	.0	.0	.1	.1	.1	.1	.1
722	2000.	.3	.3	.3	.1	.0	.0	.1	.2	.2	.0	.0	.0	.1	.1	.0	.1	.1
723	2200.	.3	.3	.3	.1	.0	.0	.1	.2	.2	.0	.0	.0	.1	.1	.0	.1	.1
724	2400.	.3	.3	.3	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.1	.1
725	2600.	.3	.3	.3	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.1	.1
726	2800.	.3	.3	.3	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.1	.1
727	3000.	.3	.3	.3	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.1	.1
728	3200.	.2	.3	.3	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.1	.1
729	3400.	.2	.3	.3	.1	.0	.0	.1	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
730	3600.	.2	.3	.3	.1	.0	.0	.1	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
731	3800.	.2	.2	.3	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
732	4000.	.2	.2	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
733	4200.	.2	.2	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
734	4400.	.2	.2	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
735	4600.	.2	.2	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
736	4800.	.2	.2	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
737	5000.	.2	.1	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
738	5200.	.2	.1	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
739	5400.	.2	.1	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
740	5600.	.2	.1	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
741	5800.	.2	.1	.2	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
742	6000.	.2	.1	.1	.1	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
743	6200.	.1	.1	.1	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
744	6400.	.1	.1	.1	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
745	6600.	.1	.1	.1	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.1	.1
746	6800.	.0	.1	.1	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.0	.0
747	7000.	.0	.0	.1	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.0	.0
748	7200.	.0	.0	.1	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0	.0	.0
749	7400.	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0
750	7600.	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0
751	7800.	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0
752	8000.	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0

753 1 ********** PERCENT BEAM ENERGY LOSS TABLE **********

754 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

755 SEASON=WINTER

756	DISTANCE	********** WIND FROM **********															
757	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
758	TOWER	********** PLUME HEADED **********															
759	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
760																		
761	200.	3.0	2.5	2.2	3.0	2.6	4.8	6.6	6.3	5.0	4.2	6.5	3.8	1.6	2.0	1.9	2.8	3.7
762	400.	1.0	1.0	.8	.8	.8	.9	.5	.9	.7	.3	.2	.3	.1	.2	.4	.8	.6
763	600.	.7	.8	.6	.4	.4	.1	.4	.7	.5	.2	.1	.1	.1	.1	.2	.4	.4
764	800.	.5	.6	.5	.4	.1	.0	.3	.4	.4	.1	.0	.0	.1	.1	.2	.3	.3
765	1000.	.5	.6	.4	.3	.1	.0	.2	.4	.4	.1	.0	.0	.1	.1	.1	.2	.2
766	1200.	.5	.6	.4	.3	.0	.0	.1	.4	.4	.1	.0	.0	.1	.1	.1	.2	.2
767	1400.	.4	.5	.4	.2	.0	.0	.1	.3	.4	.1	.0	.1	.1	.1	.1	.2	.2
768	1600.	.4	.5	.4	.2	.0	.0	.1	.3	.4	.1	.0	.1	.1	.1	.1	.2	.2
769	1800.	.4	.5	.4	.2	.0	.0	.1	.3	.3	.1	.0	.1	.1	.1	.1	.2	.2
770	2000.	.4	.5	.4	.2	.0	.0	.1	.2	.3	.1	.0	.1	.1	.1	.0	.2	.2
771	2200.	.4	.5	.4	.2	.0	.0	.1	.2	.3	.1	.0	.1	.1	.1	.0	.2	.2
772	2400.	.4	.5	.4	.2	.0	.0	.1	.1	.3	.1	.0	.1	.1	.1	.0	.2	.2
773	2600.	.4	.5	.4	.2	.0	.0	.1	.1	.3	.1	.0	.1	.1	.1	.0	.2	.2
774	2800.	.4	.5	.4	.2	.0	.0	.1	.1	.3	.1	.0	.1	.1	.1	.0	.2	.2
775	3000.	.4	.5	.4	.1	.0	.0	.1	.1	.3	.1	.0	.1	.1	.1	.0	.2	.2
776	3200.	.4	.5	.4	.1	.0	.0	.1	.1	.3	.1	.0	.0	.1	.1	.0	.2	.2
777	3400.	.4	.5	.4	.1	.0	.0	.1	.1	.3	.1	.0	.0	.1	.1	.0	.2	.1
778	3600.	.3	.4	.4	.1	.0	.0	.1	.1	.3	.1	.0	.0	.1	.1	.0	.2	.1
779	3800.	.3	.3	.4	.1	.0	.0	.1	.1	.3	.1	.0	.0	.1	.1	.0	.2	.1
780	4000.	.3	.3	.4	.1	.0	.0	.1	.1	.3	.1	.0	.0	.1	.1	.0	.2	.1

781	4200.	.3	.3	.4	.1	.0	.0	.1	.1	.3	.1	.0	.0	.1	.1	.0	.2	.1
782	4400.	.3	.3	.4	.1	.0	.0	.1	.1	.3	.1	.0	.0	.1	.1	.0	.2	.1
783	4600.	.3	.2	.3	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
784	4800.	.3	.2	.3	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
785	5000.	.3	.2	.3	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
786	5200.	.3	.2	.3	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
787	5400.	.2	.2	.3	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
788	5600.	.2	.2	.3	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
789	5800.	.2	.1	.3	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
790	6000.	.2	.1	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
791	6200.	.2	.1	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
792	6400.	.2	.1	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.2	.1
793	6600.	.1	.1	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.1	.1
794	6800.	.1	.1	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.1	.1
795	7000.	.1	.1	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.0	.1
796	7200.	.1	.0	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.0	.1
797	7400.	.1	.0	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.1	.1	.0	.0	.1
798	7600.	.1	.0	.1	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.0	.1
799	7800.	.1	.0	.1	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.0	.1
800	8000.	.0	.0	.1	.1	.0	.0	.1	.1	.2	.0	.0	.0	.1	.1	.0	.0	.0

801 1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

802 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

803 SEASON=WINTER

804	DISTANCE	********** WIND FROM **********																
805	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
806	TOWER	********** PLUME HEADED **********																
807	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
808																		
809	100.	66.58	19.19	.87	3.68	4.99	4.37	2.38	95.53	47.53	21.58	.81	2.35	1.91	2.64	2.33	42.49	19.95
810	200.	175.34	50.72	2.44	6.88	11.53	8.38	8.22	264.97	123.07	54.22	1.67	3.04	2.81	3.63	3.73	91.97	50.79
811	300.	79.32	19.88	2.40	5.71	10.55	7.27	8.09	113.91	48.37	24.93	1.64	2.01	2.09	2.46	3.70	41.19	23.34
812	400.	10.37	2.22	1.99	3.98	7.15	4.51	6.08	13.41	6.91	3.54	1.50	.98	1.04	1.21	4.01	8.27	4.82
813	500.	1.77	.30	1.25	3.71	6.77	4.31	3.95	1.94	1.67	.70	.88	.93	1.01	1.19	2.17	2.94	2.22
814	600.	1.24	.24	1.06	2.69	4.84	3.09	3.12	1.31	1.26	.51	.70	.80	.82	1.01	1.75	2.22	1.67
815	700.	.86	.20	.58	1.36	2.27	1.38	1.56	.62	.78	.37	.49	.60	.56	.75	1.55	1.74	.98
816	800.	.82	.20	.46	.87	1.21	.80	1.24	.48	.64	.33	.44	.42	.37	.49	1.42	1.62	.74
817	900.	.82	.20	.43	.45	.38	.35	1.12	.48	.64	.33	.41	.23	.14	.23	1.19	1.62	.56
818	1000.	.82	.20	.40	.41	.31	.27	.96	.48	.64	.33	.33	.16	.07	.13	.84	1.62	.50
819	1100.	.82	.20	.29	.34	.27	.25	.82	.48	.64	.33	.20	.13	.03	.06	.54	1.62	.44
820	1200.	.82	.20	.25	.29	.27	.25	.80	.48	.64	.33	.17	.10	.03	.04	.43	1.62	.42
821	1300.	.82	.20	.23	.26	.27	.24	.80	.48	.64	.33	.15	.09	.03	.04	.35	1.62	.41
822	1400.	.79	.19	.18	.15	.27	.19	.80	.45	.61	.32	.10	.03	.03	.04	.16	1.59	.37
823	1500.	.70	.16	.18	.15	.27	.19	.80	.32	.48	.28	.10	.03	.03	.04	.16	1.47	.34
824	1600.	.67	.11	.18	.15	.27	.19	.80	.31	.44	.25	.10	.03	.03	.04	.16	1.45	.33
825	1700.	.66	.10	.18	.15	.27	.19	.80	.30	.43	.24	.10	.03	.03	.04	.16	1.43	.32
826	1800.	.54	.08	.18	.15	.27	.19	.80	.26	.37	.21	.10	.03	.03	.04	.16	1.21	.29
827	1900.	.41	.04	.18	.15	.27	.19	.80	.20	.30	.17	.10	.03	.03	.04	.16	.92	.25
828	2000.	.29	.02	.18	.15	.27	.19	.80	.12	.18	.08	.10	.03	.03	.04	.16	.61	.20
829	2100.	.24	.01	.08	.15	.27	.19	.24	.08	.15	.06	.05	.03	.03	.04	.11	.47	.14
830	2200.	.22	.00	.08	.15	.27	.19	.24	.04	.10	.04	.05	.03	.03	.04	.11	.33	.12
831	2300.	.22	.00	.08	.15	.27	.19	.24	.04	.10	.04	.05	.03	.03	.04	.11	.33	.12
832	2400.	.15	.00	.08	.15	.27	.19	.24	.04	.07	.04	.05	.03	.03	.04	.11	.23	.11
833	2500.	.03	.00	.08	.15	.27	.19	.24	.01	.02	.00	.05	.03	.03	.04	.11	.07	.08
834	2600.	.03	.00	.08	.15	.27	.19	.24	.01	.02	.00	.05	.03	.03	.04	.11	.07	.08
835	2700.	.03	.00	.08	.15	.27	.19	.24	.01	.02	.00	.05	.03	.03	.04	.11	.07	.08
836	2800.	.03	.00	.08	.15	.27	.19	.24	.01	.02	.00	.05	.03	.03	.04	.11	.07	.08
837	2900.	.03	.00	.08	.15	.27	.19	.24	.01	.02	.00	.05	.03	.03	.04	.11	.07	.08
838	3000.	.03	.00	.08	.15	.27	.19	.23	.01	.02	.00	.05	.03	.03	.04	.11	.07	.08
839	3100.	.03	.00	.07	.15	.27	.19	.21	.01	.02	.00	.04	.03	.03	.04	.10	.07	.08
840	3200.	.03	.00	.07	.15	.27	.19	.21	.01	.02	.00	.04	.03	.03	.04	.10	.07	.08
841	3300.	.03	.00	.07	.15	.27	.18	.21	.01	.02	.00	.04	.03	.03	.04	.10	.07	.08
842	3400.	.03	.00	.07	.14	.26	.16	.21	.01	.02	.00	.04	.03	.03	.03	.10	.07	.08
843	3500.	.03	.00	.07	.13	.22	.13	.20	.01	.02	.00	.04	.03	.03	.03	.10	.07	.07
844	3600.	.03	.00	.07	.13	.22	.13	.20	.01	.02	.00	.04	.03	.03	.03	.10	.07	.07
845	3700.	.03	.00	.07	.13	.22	.13	.20	.01	.02	.00	.04	.03	.03	.03	.10	.07	.07

846	3800.	.03	.00	.07	.13	.22	.13	.19	.01	.02	.00	.04	.03	.03	.03	.09	.07	.07
847	3900.	.03	.00	.07	.13	.22	.13	.19	.01	.02	.00	.04	.03	.03	.03	.08	.07	.07
848	4000.	.03	.00	.07	.13	.22	.13	.19	.01	.02	.00	.04	.03	.03	.03	.08	.07	.07
849	4100.	.03	.00	.07	.13	.22	.13	.19	.01	.02	.00	.04	.03	.03	.03	.08	.07	.07
850	4200.	.03	.00	.07	.13	.22	.13	.19	.01	.02	.00	.04	.03	.03	.03	.08	.07	.07
851	4300.	.03	.00	.07	.13	.21	.13	.19	.01	.02	.00	.04	.03	.03	.03	.08	.07	.07
852	4400.	.03	.00	.07	.13	.21	.13	.19	.01	.02	.00	.04	.03	.03	.03	.08	.07	.07
853	4500.	.03	.00	.07	.13	.21	.13	.19	.01	.02	.00	.04	.03	.03	.03	.08	.07	.07
854	4600.	.03	.00	.03	.13	.21	.13	.05	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05
855	4700.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05
856	4800.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05
857	4900.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05
858	5000.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05

1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

DISTANCE	********** WIND FROM **********																	
FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL	
TOWER	********** PLUME HEADED **********																	
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG	
5100.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05	
5200.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05	
5300.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.07	.05	
5400	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.06	.05	
5500.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.06	.05	
5600.	.03	.00	.02	.13	.21	.13	.02	.01	.02	.00	.02	.03	.03	.03	.07	.06	.05	
5700.	.03	.00	.02	.13	.21	.12	.02	.01	.02	.00	.02	.03	.03	.03	.07	.06	.05	
5800.	.03	.00	.02	.13	.20	.12	.02	.01	.02	.00	.02	.03	.03	.03	.07	.06	.05	
5900.	.03	.00	.02	.13	.20	.12	.01	.01	.02	.00	.02	.03	.03	.03	.06	.06	.05	
6000.	.03	.00	.01	.12	.20	.12	.01	.01	.02	.00	.02	.02	.03	.03	.06	.06	.05	
6100.	.03	.00	.01	.12	.20	.12	.01	.01	.02	.00	.02	.02	.03	.02	.06	.06	.05	
6200.	.03	.00	.01	.12	.20	.12	.01	.01	.02	.00	.02	.02	.03	.02	.06	.06	.05	
6300.	.03	.00	.01	.12	.20	.12	.01	.01	.02	.00	.02	.02	.02	.02	.06	.05	.04	
6400.	.03	.00	.01	.12	.20	.12	.01	.01	.02	.00	.02	.02	.02	.02	.06	.04	.04	
6500.	.03	.00	.01	.12	.20	.12	.01	.01	.02	.00	.01	.02	.02	.02	.04	.04	.04	
6600.	.03	.00	.01	.10	.20	.11	.01	.01	.02	.00	.01	.02	.02	.02	.04	.04	.04	
6700.	.02	.00	.01	.10	.20	.11	.01	.01	.02	.00	.01	.02	.02	.02	.04	.04	.04	
6800.	.01	.00	.01	.08	.16	.09	.01	.01	.01	.00	.01	.01	.02	.02	.04	.01	.03	
6900.	.01	.00	.01	.04	.07	.03	.01	.01	.01	.00	.01	.01	.01	.01	.04	.01	.02	
7000.	.01	.00	.01	.04	.07	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7100.	.01	.00	.01	.04	.07	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7200.	.01	.00	.01	.04	.07	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7300.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7400.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7500.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7600.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7700.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7800.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
7900.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
8000.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
8100.	.01	.00	.01	.03	.06	.03	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.02	
8200.	.01	.00	.01	.02	.03	.02	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.01	
8300.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.01	
8400.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.03	.01	.01	
8500.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
8600.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
8700.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
8800.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
8900.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
9000.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
9100.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
9200.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
9300.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	
9400.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	

911	9500.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
912	9600.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
913	9700.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
914	9800.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
915	9900.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
916	10000.	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01

917 1 ********** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

918 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

919 SEASON=WINTER

920	DISTANCE	********** WIND FROM **********															
921	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
922	TOWER	********** PLUME HEADED **********															
923	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
924																		
925	100.	.65E+04	.19E+04	.83E+02	.34E+03	.47E+03	.41E+03	.23E+03	.94E+04	.47E+04	.21E+04	.78E+02	.22E+03	.18E+03	.25E+03	.22E+03	.42E+04	.20E+04
926	200.	.17E+05	.50E+04	.24E+03	.64E+03	.11E+04	.78E+03	.80E+03	.26E+05	.12E+05	.53E+04	.16E+03	.29E+03	.27E+03	.34E+03	.36E+03	.89E+04	.50E+04
927	300.	.77E+04	.20E+04	.23E+03	.53E+03	.98E+03	.68E+03	.79E+03	.11E+05	.47E+04	.25E+04	.16E+03	.19E+03	.20E+03	.23E+03	.35E+03	.38E+04	.23E+04
928	400.	.97E+03	.22E+03	.19E+03	.33E+03	.61E+03	.38E+03	.59E+03	.13E+04	.65E+03	.35E+03	.14E+03	.83E+02	.88E+02	.10E+03	.37E+03	.72E+03	.44E+03
929	500.	.15E+03	.26E+02	.11E+03	.29E+03	.55E+03	.35E+03	.38E+03	.18E+03	.15E+03	.66E+02	.78E+02	.71E+02	.83E+02	.94E+02	.18E+03	.25E+03	.19E+03
930	600.	.10E+03	.20E+02	.92E+02	.20E+03	.39E+03	.25E+03	.30E+03	.12E+03	.11E+03	.46E+02	.61E+02	.60E+02	.67E+02	.79E+02	.14E+03	.18E+03	.14E+03
931	700.	.65E+02	.16E+02	.41E+02	.90E+02	.17E+03	.10E+03	.14E+03	.53E+02	.64E+02	.33E+02	.39E+02	.44E+02	.45E+02	.56E+02	.12E+03	.13E+03	.75E+02
932	800.	.60E+02	.16E+02	.29E+02	.49E+02	.82E+02	.52E+02	.10E+03	.39E+02	.50E+02	.28E+02	.34E+02	.28E+02	.28E+02	.34E+02	.10E+03	.12E+03	.53E+02
933	900.	.60E+02	.16E+02	.26E+02	.16E+02	.14E+02	.14E+02	.92E+02	.39E+02	.50E+02	.28E+02	.31E+02	.11E+02	.73E+01	.10E+02	.82E+02	.12E+03	.39E+02
934	1000.	.60E+02	.16E+02	.24E+02	.13E+02	.10E+02	.89E+01	.78E+02	.39E+02	.50E+02	.28E+02	.24E+02	.53E+01	.24E+01	.46E+01	.51E+02	.12E+03	.33E+02
935	1100.	.60E+02	.16E+02	.17E+02	.10E+02	.88E+01	.83E+01	.67E+02	.39E+02	.50E+02	.28E+02	.12E+02	.40E+01	.12E+01	.21E+01	.26E+02	.12E+03	.29E+02
936	1200.	.60E+02	.16E+02	.15E+02	.87E+01	.88E+01	.83E+01	.65E+02	.39E+02	.50E+02	.28E+02	.98E+01	.32E+01	.12E+01	.12E+01	.17E+02	.12E+03	.28E+02
937	1300.	.60E+02	.16E+02	.14E+02	.78E+01	.88E+01	.78E+01	.65E+02	.39E+02	.50E+02	.28E+02	.91E+01	.27E+01	.12E+01	.12E+01	.15E+02	.12E+03	.28E+02
938	1400.	.58E+02	.15E+02	.13E+02	.41E+01	.88E+01	.60E+01	.65E+02	.36E+02	.47E+02	.27E+02	.75E+01	.91E+00	.12E+01	.12E+01	.82E+01	.12E+03	.26E+02
939	1500.	.48E+02	.12E+02	.13E+02	.41E+01	.88E+01	.60E+01	.65E+02	.24E+02	.34E+02	.23E+02	.75E+01	.91E+00	.12E+01	.12E+01	.82E+01	.11E+03	.23E+02
940	1600.	.47E+02	.93E+01	.13E+02	.41E+01	.88E+01	.60E+01	.65E+02	.23E+02	.32E+02	.22E+02	.75E+01	.91E+00	.12E+01	.12E+01	.82E+01	.10E+03	.22E+02
941	1700.	.46E+02	.85E+01	.13E+02	.41E+01	.88E+01	.60E+01	.65E+02	.22E+02	.31E+02	.21E+02	.75E+01	.91E+00	.12E+01	.12E+01	.82E+01	.10E+03	.22E+02
942	1800.	.36E+02	.65E+01	.13E+02	.41E+01	.88E+01	.60E+01	.65E+02	.18E+02	.26E+02	.19E+02	.75E+01	.91E+00	.12E+01	.12E+01	.82E+01	.84E+02	.19E+02
943	1900.	.26E+02	.39E+01	.13E+02	.41E+01	.88E+01	.60E+01	.65E+02	.13E+02	.19E+02	.15E+02	.75E+01	.91E+00	.12E+01	.12E+01	.82E+01	.60E+02	.16E+02
944	2000.	.15E+02	.16E+01	.13E+02	.41E+01	.88E+01	.60E+01	.65E+02	.62E+01	.80E+01	.72E+01	.75E+01	.91E+00	.12E+01	.12E+01	.82E+01	.31E+02	.12E+02
945	2100.	.11E+02	.90E+00	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.41E+01	.54E+01	.50E+01	.18E+01	.91E+00	.12E+01	.12E+01	.35E+01	.21E+02	.55E+01
946	2200.	.92E+01	.38E+00	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.29E+01	.39E+01	.37E+01	.18E+01	.91E+00	.12E+01	.12E+01	.35E+01	.13E+02	.46E+01
947	2300.	.92E+01	.38E+00	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.29E+01	.39E+01	.37E+01	.18E+01	.91E+00	.12E+01	.12E+01	.35E+01	.13E+02	.46E+01
948	2400.	.81E+01	.38E+00	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.29E+01	.33E+01	.37E+01	.18E+01	.89E+00	.12E+01	.12E+01	.35E+01	.12E+02	.44E+01
949	2500.	.40E+00	.95E-01	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.26E+00	.49E+00	.28E+00	.18E+01	.89E+00	.12E+01	.12E+01	.35E+01	.72E+00	.27E+01
950	2600.	.40E+00	.95E-01	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.26E+00	.49E+00	.28E+00	.18E+01	.89E+00	.12E+01	.12E+01	.35E+01	.72E+00	.27E+01
951	2700.	.40E+00	.95E-01	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.26E+00	.49E+00	.28E+00	.18E+01	.89E+00	.12E+01	.12E+01	.35E+01	.72E+00	.27E+01
952	2800.	.40E+00	.95E-01	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.26E+00	.49E+00	.28E+00	.18E+01	.89E+00	.12E+01	.12E+01	.34E+01	.72E+00	.27E+01
953	2900.	.40E+00	.95E-01	.29E+01	.41E+01	.88E+01	.60E+01	.10E+02	.26E+00	.49E+00	.28E+00	.18E+01	.89E+00	.12E+01	.12E+01	.34E+01	.72E+00	.27E+01
954	3000.	.40E+00	.95E-01	.29E+01	.41E+01	.88E+01	.60E+01	.98E+01	.26E+00	.49E+00	.28E+00	.18E+01	.89E+00	.12E+01	.12E+01	.32E+01	.72E+00	.26E+01
955	3100.	.40E+00	.95E-01	.24E+01	.41E+01	.88E+01	.60E+01	.86E+01	.26E+00	.49E+00	.28E+00	.14E+01	.89E+00	.12E+01	.12E+01	.29E+01	.72E+00	.25E+01
956	3200.	.40E+00	.95E-01	.23E+01	.41E+01	.88E+01	.60E+01	.83E+01	.26E+00	.49E+00	.28E+00	.13E+01	.89E+00	.12E+01	.12E+01	.28E+01	.72E+00	.25E+01
957	3300.	.40E+00	.95E-01	.23E+01	.41E+01	.88E+01	.59E+01	.83E+01	.26E+00	.49E+00	.28E+00	.13E+01	.89E+00	.11E+01	.12E+01	.28E+01	.72E+00	.24E+01
958	3400.	.40E+00	.95E-01	.23E+01	.38E+01	.82E+01	.51E+01	.83E+01	.26E+00	.49E+00	.28E+00	.13E+01	.87E+00	.11E+01	.98E+00	.28E+01	.72E+00	.23E+01
959	3500.	.40E+00	.95E-01	.23E+01	.33E+01	.70E+01	.39E+01	.80E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.27E+01	.72E+00	.21E+01
960	3600.	.40E+00	.95E-01	.23E+01	.33E+01	.70E+01	.39E+01	.78E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.26E+01	.72E+00	.21E+01
961	3700.	.40E+00	.95E-01	.23E+01	.33E+01	.70E+01	.39E+01	.78E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.26E+01	.72E+00	.21E+01
962	3800.	.40E+00	.95E-01	.23E+01	.33E+01	.70E+01	.39E+01	.75E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.23E+01	.72E+00	.20E+01
963	3900.	.40E+00	.95E-01	.23E+01	.33E+01	.70E+01	.39E+01	.73E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.21E+01	.72E+00	.20E+01
964	4000.	.40E+00	.95E-01	.23E+01	.33E+01	.70E+01	.39E+01	.73E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.21E+01	.72E+00	.20E+01
965	4100.	.40E+00	.95E-01	.23E+01	.33E+01	.70E+01	.39E+01	.73E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.21E+01	.72E+00	.20E+01
966	4200.	.40E+00	.95E-01	.23E+01	.33E+01	.68E+01	.38E+01	.73E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.21E+01	.72E+00	.20E+01
967	4300.	.40E+00	.95E-01	.23E+01	.33E+01	.65E+01	.38E+01	.73E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.21E+01	.72E+00	.20E+01
968	4400.	.40E+00	.95E-01	.23E+01	.33E+01	.65E+01	.38E+01	.73E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.21E+01	.72E+00	.20E+01
969	4500.	.40E+00	.95E-01	.23E+01	.33E+01	.65E+01	.38E+01	.73E+01	.26E+00	.49E+00	.28E+00	.13E+01	.66E+00	.97E+00	.87E+00	.21E+01	.72E+00	.20E+01
970	4600.	.40E+00	.95E-01	.63E+00	.33E+01	.65E+01	.38E+01	.19E+01	.26E+00	.49E+00	.28E+00	.65E+00	.66E+00	.97E+00	.87E+00	.16E+01	.72E+00	.14E+01
971	4700.	.40E+00	.95E-01	.22E+00	.33E+01	.65E+01	.38E+01	.59E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.72E+00	.13E+01
972	4800.	.40E+00	.95E-01	.22E+00	.33E+01	.65E+01	.38E+01	.59E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.72E+00	.13E+01
973	4900.	.40E+00	.95E-01	.22E+00	.33E+01	.65E+01	.38E+01	.59E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.72E+00	.13E+01
974	5000.	.40E+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.59E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.72E+00	.13E+01

975 1 ********** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5100.	.4OE+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.59E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.72E+00	.13E+01
5200.	.4OE+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.59E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.72E+00	.13E+01
5300.	.4OE+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.59E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.72E+00	.13E+01
5400.	.39E+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.58E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.70E+00	.13E+01
5500.	.39E+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.58E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.70E+00	.13E+01
5600.	.39E+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.58E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.70E+00	.13E+01
5700.	.39E+00	.95E-01	.22E+00	.32E+01	.65E+01	.38E+01	.58E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.97E+00	.87E+00	.14E+01	.70E+00	.13E+01
5800.	.39E+00	.95E-01	.21E+00	.32E+01	.65E+01	.38E+01	.58E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.96E+00	.86E+00	.14E+01	.70E+00	.13E+01
5900.	.39E+00	.95E-01	.21E+00	.32E+01	.65E+01	.38E+01	.58E+00	.26E+00	.49E+00	.28E+00	.48E+00	.66E+00	.96E+00	.86E+00	.14E+01	.70E+00	.13E+01
6000.	.39E+00	.95E-01	.20E+00	.32E+01	.65E+01	.38E+01	.58E+00	.26E+00	.49E+00	.28E+00	.48E+00	.65E+00	.96E+00	.85E+00	.14E+01	.70E+00	.13E+01
6100.	.38E+00	.95E-01	.20E+00	.32E+01	.65E+01	.38E+01	.58E+00	.25E+00	.49E+00	.28E+00	.48E+00	.64E+00	.96E+00	.84E+00	.14E+01	.69E+00	.13E+01
6200.	.38E+00	.95E-01	.20E+00	.32E+01	.65E+01	.38E+01	.58E+00	.25E+00	.49E+00	.28E+00	.48E+00	.64E+00	.96E+00	.84E+00	.14E+01	.68E+00	.13E+01
6300.	.38E+00	.95E-01	.20E+00	.31E+01	.62E+01	.35E+01	.58E+00	.24E+00	.48E+00	.28E+00	.48E+00	.63E+00	.88E+00	.74E+00	.14E+01	.66E+00	.12E+01
6400.	.38E+00	.95E-01	.20E+00	.31E+01	.62E+01	.35E+01	.58E+00	.23E+00	.46E+00	.28E+00	.48E+00	.63E+00	.88E+00	.74E+00	.14E+01	.64E+00	.12E+01
6500.	.38E+00	.95E-01	.18E+00	.31E+01	.62E+01	.35E+01	.58E+00	.23E+00	.46E+00	.28E+00	.46E+00	.63E+00	.88E+00	.74E+00	.13E+01	.64E+00	.12E+01
6600.	.38E+00	.95E-01	.17E+00	.31E+01	.62E+01	.35E+01	.58E+00	.23E+00	.46E+00	.28E+00	.45E+00	.61E+00	.88E+00	.74E+00	.13E+01	.64E+00	.12E+01
6700.	.36E+00	.95E-01	.17E+00	.31E+01	.62E+01	.35E+01	.58E+00	.23E+00	.46E+00	.28E+00	.45E+00	.61E+00	.88E+00	.74E+00	.13E+01	.62E+00	.12E+01
6800.	.31E+00	.95E-01	.17E+00	.25E+01	.50E+01	.28E+01	.58E+00	.23E+00	.43E+00	.28E+00	.45E+00	.54E+00	.77E+00	.65E+00	.13E+01	.54E+00	.10E+01
6900.	.31E+00	.95E-01	.17E+00	.10E+01	.21E+01	.11E+01	.58E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.43E+00	.13E+01	.54E+00	.62E+00
7000.	.31E+00	.95E-01	.16E+00	.10E+01	.21E+01	.11E+01	.53E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.43E+00	.12E+01	.54E+00	.61E+00
7100.	.31E+00	.95E-01	.13E+00	.10E+01	.21E+01	.11E+01	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.43E+00	.11E+01	.54E+00	.60E+00
7200.	.31E+00	.95E-01	.13E+00	.99E+00	.21E+01	.11E+01	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.42E+00	.11E+01	.54E+00	.59E+00
7300.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
7400.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
7500.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
7600.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
7700.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
7800.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
7900.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
8000.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
8100.	.31E+00	.95E-01	.13E+00	.89E+00	.18E+01	.89E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.39E+00	.51E+00	.40E+00	.11E+01	.54E+00	.56E+00
8200.	.31E+00	.95E-01	.13E+00	.50E+00	.10E+01	.57E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.38E+00	.46E+00	.35E+00	.11E+01	.54E+00	.45E+00
8300.	.31E+00	.95E-01	.13E+00	.11E+00	.19E+00	.26E+00	.43E+00	.23E+00	.43E+00	.28E+00	.45E+00	.37E+00	.40E+00	.31E+00	.11E+01	.54E+00	.35E+00
8400.	.31E+00	.95E-01	.12E+00	.11E+00	.19E+00	.26E+00	.39E+00	.23E+00	.43E+00	.28E+00	.45E+00	.37E+00	.40E+00	.31E+00	.10E+01	.54E+00	.34E+00
8500.	.31E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
8600.	.31E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
8700.	.31E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
8800.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
8900.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9000.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9100.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9200.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9300.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9400.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9500.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9600.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9700.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9800.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
9900.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00
10000.	.30E+00	.95E-01	.11E+00	.11E+00	.19E+00	.26E+00	.33E+00	.23E+00	.43E+00	.28E+00	.44E+00	.37E+00	.40E+00	.31E+00	.90E+00	.54E+00	.33E+00

1 HOURS OF PLUME FOGGING TABLE

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM

100.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.5	.0	.0	.0	.0	.0	1.8
200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
700.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
800.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
900.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1000.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

********** HOURS OF RIME ICING TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=WINTER

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	********** WIND FROM **********																
	********** PLUME HEADED **********																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
700.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
800.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
900.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1000.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TOTAL RECORDS FOR SEASON SPRING = 4416

NUMBER OF STAGNANT CASES = 107

********** FREQUENCY PERCENTAGE BY CATEGORY AND WIND DIRECTION **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SPRING

CATEGORY NUMBER	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	********** WIND FROM **********																
	********** PLUME HEADED **********																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
11	.26	.09	.19	.16	.16	.35	.26	.19	.40	.09	.16	.16	.14	.07	.14	.14	2.97
12	.16	.05	.16	.08	.05	.32	.24	.24	.42	.11	.21	.19	.11	.11	.13	.21	2.79
13	.18	.00	.12	.06	.18	.47	.41	.29	.41	.00	.12	.12	.18	.00	.00	.12	2.63
14	.25	.09	.36	.52	1.45	1.86	1.90	.75	.14	.07	.14	.20	.18	.07	.20	.11	8.29
15	.82	.63	2.20	3.35	5.53	6.71	7.77	2.92	1.13	.45	.66	.61	.57	.25	.43	.34	34.38
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.02
17	.02	.02	.07	.07	.14	.20	.32	.09	.05	.00	.02	.00	.05	.00	.00	.00	1.04
18	.25	.59	.91	2.31	3.99	4.55	3.83	2.13	.79	.41	.38	.34	.38	.16	.18	.14	21.33
19	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.07
20	.05	.00	.00	.00	.00	.05	.07	.00	.00	.02	.00	.00	.00	.00	.02	.02	.25
21	.00	.00	.00	.00	.00	.04	.07	.14	.04	.00	.04	.07	.00	.00	.04	.00	.43

1106	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
1107	23	.02	.00	.09	.05	.09	.25	.23	.16	.18	.05	.05	.02	.05	.02	.11	.02	1.38
1108	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1109	25	.00	.00	.00	.00	.07	.05	.05	.05	.05	.00	.00	.00	.00	.00	.02	.02	.29
1110	26	.02	.00	.00	.00	.05	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02	.02	.14
1111	27	.00	.00	.00	.00	.00	.03	.00	.03	.05	.03	.00	.00	.00	.00	.00	.03	.16
1112	28	.02	.00	.02	.02	.02	.00	.00	.00	.02	.00	.02	.00	.00	.00	.00	.02	.16
1113	29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1114	30	.05	.02	.02	.00	.07	.18	.14	.11	.14	.09	.00	.00	.00	.02	.07	.07	.97
1115	31	.00	.00	.00	.07	.05	.05	.02	.00	.00	.00	.00	.00	.02	.00	.02	.00	.23
1116	32	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.02	.00	.00	.07
1117	33	.02	.00	.02	.00	.00	.00	.05	.02	.02	.02	.02	.00	.02	.00	.00	.02	.23
1118	34	.02	.05	.00	.00	.02	.02	.02	.02	.00	.05	.02	.00	.00	.02	.00	.00	.25
1119	35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02
1120	36	.07	.00	.02	.09	.11	.34	.27	.25	.27	.09	.11	.05	.11	.11	.16	.16	2.22
1121	37	.09	.00	.05	.02	.18	.20	.34	.16	.41	.23	.11	.16	.09	.14	.16	.18	2.51
1122	38	.11	.00	.00	.09	.07	.16	.11	.14	.20	.14	.16	.20	.16	.05	.20	.18	1.97
1123	39	.05	.02	.05	.07	.11	.16	.43	.32	.32	.09	.18	.14	.07	.16	.27	.38	2.81
1124	40	.07	.02	.00	.02	.18	.20	.11	.05	.20	.16	.23	.23	.36	.09	.34	.38	2.65
1125	41	.07	.00	.00	.00	.07	.05	.17	.15	.10	.02	.15	.07	.15	.07	.07	.12	1.27
1126	42	.16	.00	.07	.11	.11	.23	.25	.27	.23	.20	.07	.16	.32	.16	.23	.32	2.88
1127	43	.09	.02	.00	.02	.02	.00	.02	.14	.32	.20	.25	.20	.29	.20	.20	.29	2.29
1128	44	.16	.05	.00	.07	.00	.07	.18	.14	.25	.16	.18	.23	.20	.05	.07	.11	1.90
1129	45	.05	.00	.00	.00	.05	.02	.02	.05	.20	.20	.16	.32	.11	.07	.09	.09	1.43
1130		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1131	TOTALS	3.07	1.66	4.34	7.19	12.76	16.54	17.28	8.78	6.38	2.90	3.44	3.46	3.58	1.86	3.19	3.56	100.00

1132 1 ********** STABILITY CLASS BY WIND DIRECTION **********

1133 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1134 SEASON=SPRING

1135 ********** WIND FROM **********

1136	STABILITY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
1137	CLASS	********** PLUME HEADED **********																
1138		S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1139																		
1140	1	.01	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
1141	2	.03	.01	.02	.01	.01	.02	.01	.00	.02	.01	.01	.01	.03	.00	.01	.01	.01
1142	3	.16	.11	.12	.10	.13	.13	.14	.12	.09	.05	.08	.12	.09	.10	.11	.09	.03
1143	4	.49	.75	.72	.76	.76	.75	.68	.67	.50	.62	.47	.48	.45	.49	.51	.45	.12
1144	5	.15	.10	.12	.13	.09	.09	.15	.15	.24	.13	.22	.20	.18	.21	.19	.22	.07
1145	6	.14	.01	.02	.01	.01	.02	.02	.05	.14	.17	.19	.18	.20	.17	.15	.20	.27
1146	7	.02	.01	.00	.00	.00	.00	.00	.01	.01	.02	.02	.01	.05	.02	.03	.01	.50

1147

1148

1149 ********** *WIND SPEED DISTRIBUTION BY DIRECTION AT REFERENCE HEIGHT OF 200. METERS* **********

1150 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1151 SEASON=SPRING

1152 ********** WIND FROM **********

1153	WIND	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
1154	RANGE	********** PLUME HEADED **********																
1155		S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1156																		
1157	1	.02	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.01	.00	.00	.99
1158	2	.29	.11	.06	.04	.01	.04	.04	.08	.26	.24	.27	.27	.38	.31	.29	.41	.00
1159	3	.69	.89	.93	.96	.99	.96	.96	.92	.74	.76	.73	.73	.62	.68	.71	.59	.01

1160

1161

1162 ********** COMBINED FACTORS BY WIND DIRECTION **********

1163 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1164 SEASON=SPRING

1165 ********** WIND FROM **********

1166	COMBINED	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
1167	CLASS*	********** PLUME HEADED **********																
1168		S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1169																		
1170	1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04

2	.06	.01	.01	.00	.00	.01	.01	.01	.03	.01	.03	.03	.05	.03	.03	.04	.00
3	.14	.11	.13	.10	.14	.14	.14	.11	.08	.05	.07	.09	.07	.07	.08	.06	.00
4	.01	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.19
5	.19	.09	.05	.04	.01	.03	.03	.07	.19	.18	.18	.18	.24	.22	.20	.28	.00
6	.44	.76	.78	.85	.84	.80	.79	.75	.55	.57	.51	.50	.39	.48	.50	.40	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.76
8	.05	.00	.00	.00	.00	.00	.00	.00	.04	.04	.06	.05	.10	.06	.05	.09	.00
9	.11	.02	.01	.01	.01	.02	.02	.05	.11	.14	.16	.13	.15	.13	.13	.13	.01

* COMBINED CLASSES ARE DEFINED AS FOLLOWS:
1=UNSTABLE, LOW WIND 2=UNSTABLE, MODERATE WIND 3=UNSTABLE, HIGH WIND
4=NEUTRAL, LOW WIND 5=NEUTRAL MODERATE WIND 6=NEUTRAL, HIGH WIND
7=STABLE, LOW WIND 8=STABLE, MODERATE WIND 9=STABLE, HIGH WIND

1 ********** PLUME LENGTH FREQUENCY TABLE **********
Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SPRING

DISTANCE	********** WIND FROM **********																
FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
TOWER	********** PLUME HEADED **********																
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
100.	3.07	1.66	4.34	7.19	12.76	16.54	17.28	8.78	6.38	2.90	3.44	3.46	3.58	1.86	3.19	3.56	100.00
200.	1.26	.19	.09	.05	.20	.45	.25	2.25	3.41	1.83	.05	.34	.16	.11	.14	2.70	13.46
300.	1.10	.14	.00	.05	.20	.45	.00	1.96	2.91	1.71	.00	.34	.16	.11	.00	2.46	11.59
400.	.75	.11	.00	.00	.05	.02	.00	1.23	1.82	1.18	.00	.32	.11	.07	.00	1.89	7.55
500.	.59	.09	.00	.00	.05	.02	.00	.78	1.30	.95	.00	.32	.11	.07	.00	1.32	5.60
600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1500.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2500.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
2900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3500.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
3900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
4000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
4100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
4200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72

1236	4300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1237	4400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1238	4500.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1239	4600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1240	4700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1241	4800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1242	4900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1243	5000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1244																		
1245																		
1246 1	********** PLUME LENGTH FREQUENCY TABLE **********																	
1247	Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower																	
1248	SEASON=SPRING																	
1249	DISTANCE ********** WIND FROM **********																	
1250	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1251	TOWER ********** PLUME HEADED **********																	
1252	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
1253																		
1254	5100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1255	5200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1256	5300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1257	5400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1258	5500.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1259	5600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1260	5700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1261	5800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1262	5900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1263	6000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1264	6100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1265	6200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1266	6300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1267	6400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1268	6500.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1269	6600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1270	6700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1271	6800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1272	6900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1273	7000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1274	7100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1275	7200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1276	7300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1277	7400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1278	7500.	.45	.07	.00	.00	.05	.02	.00	.59	1.00	.77	.00	.32	.11	.07	.00	.82	4.26
1279	7600.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1280	7700.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1281	7800.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1282	7900.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1283	8000.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1284	8100.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1285	8200.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1286	8300.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1287	8400.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1288	8500.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1289	8600.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1290	8700.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1291	8800.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1292	8900.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1293	9000.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1294	9100.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1295	9200.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1296	9300.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1297	9400.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1298	9500.	.36	.05	.00	.00	.05	.02	.00	.45	.68	.57	.00	.32	.11	.07	.00	.52	3.19
1299	9600.	.20	.05	.00	.00	.05	.02	.00	.18	.45	.36	.00	.32	.11	.07	.00	.20	2.02
1300	9700.	.20	.05	.00	.00	.05	.02	.00	.18	.45	.36	.00	.32	.11	.07	.00	.20	2.02

1301	9800.	.20	.05	.00	.00	.05	.02	.00	.18	.45	.36	.00	.32	.11	.07	.00	.20	2.02
1302	9900.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1303	10000.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

1304 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

1305 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1306 SEASON=SPRING

1307	HEIGHT	********** WIND FROM **********																
1308	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1309	TOWER	********** PLUME HEADED **********																
1310	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
1311																		
1312	10.	3.07	1.66	4.34	7.19	12.76	16.54	17.28	8.78	6.38	2.90	3.44	3.46	3.58	1.86	3.19	3.56	100.00
1313	20.	1.73	.33	3.36	4.74	8.53	11.69	13.14	2.85	4.22	1.97	3.03	3.12	3.13	1.70	3.01	2.95	69.52
1314	30.	1.73	.33	.09	.14	.23	.52	.27	2.85	4.22	1.97	.20	.77	.66	.36	.23	2.95	17.52
1315	40.	1.41	.21	.09	.05	.20	.45	.25	2.39	3.51	1.74	.20	.34	.16	.11	.20	2.72	14.04
1316	50.	1.23	.21	.00	.05	.20	.45	.00	2.09	3.10	1.74	.00	.34	.16	.11	.00	2.60	12.30
1317	60.	.87	.11	.00	.05	.20	.45	.00	1.28	1.94	1.28	.00	.34	.16	.11	.00	2.03	8.82
1318	70.	.87	.11	.00	.00	.05	.02	.00	1.28	1.94	1.28	.00	.32	.11	.07	.00	2.03	8.08
1319	80.	.87	.11	.00	.00	.05	.02	.00	1.28	1.92	1.25	.00	.32	.11	.07	.00	2.03	8.03
1320	90.	.64	.09	.00	.00	.05	.02	.00	.83	1.40	1.00	.00	.32	.11	.07	.00	1.39	5.92
1321	100.	.57	.07	.00	.00	.05	.02	.00	.76	1.14	.82	.00	.32	.11	.07	.00	.98	4.90
1322	110.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1323	120.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1324	130.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1325	140.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1326	150.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1327	160.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1328	170.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1329	180.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1330	190.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1331	200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1332	210.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1333	220.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1334	230.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1335	240.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1336	250.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1337	260.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1338	270.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1339	280.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1340	290.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1341	300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1342	310.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1343	320.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1344	330.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1345	340.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1346	350.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1347	360.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1348	370.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1349	380.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1350	390.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1351	400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1352	410.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1353	420.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1354	430.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1355	440.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1356	450.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1357	460.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1358	470.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1359	480.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1360	490.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1361	500.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72

1362 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

1363 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1364 SEASON=SPRING

1365 HEIGHT ********** WIND FROM **********

	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	TOWER	**********							PLUME HEADED									**********
	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
	510.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	520.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	530.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	540.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	550.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	560.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	570.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	580.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	590.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	600.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	610.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	620.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	630.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	640.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	650.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	660.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	670.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	680.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	690.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	700.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	710.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	720.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	730.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	740.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	750.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	760.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	770.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	780.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	790.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	800.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	810.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	820.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	830.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	840.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	850.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	860.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	870.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	880.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	890.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	900.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	910.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	920.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	930.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	940.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	950.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	960.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	970.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	980.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	990.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
	1000.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72

1 ********** PLUME RADIUS FREQUENCY TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SPRING

MAXIMUM	**********							WIND FROM									**********
FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
TOWER	**********							PLUME HEADED									**********
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
5.	3.07	1.66	4.34	7.19	12.76	16.54	17.28	8.78	6.38	2.90	3.44	3.46	3.58	1.86	3.19	3.56	100.00
10.	3.07	1.66	4.34	7.19	12.76	16.54	17.28	8.78	6.38	2.90	3.44	3.46	3.58	1.86	3.19	3.56	100.00
15.	3.05	1.64	.23	.48	1.02	1.71	1.27	8.69	6.33	2.90	.93	1.57	1.63	1.06	1.36	3.56	37.42

1431	20.	2.80	1.05	.00	.14	.23	.52	.11	6.56	5.54	2.49	.41	.77	.66	.36	.34	3.43	25.41
1432	25.	2.29	.87	.00	.07	.05	.09	.02	5.63	5.01	2.33	.16	.54	.32	.11	.09	3.17	20.75
1433	30.	1.48	.23	.00	.00	.05	.02	.02	2.66	3.83	1.88	.16	.32	.11	.07	.09	2.81	13.73
1434	35.	1.25	.16	.00	.00	.05	.02	.02	2.15	3.09	1.64	.16	.32	.11	.07	.09	2.51	11.63
1435	40.	.92	.16	.00	.00	.05	.02	.02	1.30	1.94	1.30	.16	.32	.11	.07	.09	2.05	8.51
1436	45.	.62	.09	.00	.00	.05	.02	.00	.78	1.32	.95	.00	.32	.11	.07	.00	1.34	5.67
1437	50.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1438	55.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1439	60.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1440	65.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1441	70.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1442	75.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1443	80.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1444	85.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1445	90.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1446	95.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1447	100.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1448	105.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1449	110.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1450	115.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1451	120.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1452	125.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1453	130.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1454	135.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1455	140.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1456	145.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1457	150.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1458	155.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1459	160.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1460	165.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1461	170.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1462	175.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1463	180.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1464	185.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1465	190.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1466	195.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1467	200.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1468	205.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1469	210.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1470	215.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1471	220.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1472	225.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1473	230.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1474	235.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1475	240.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1476	245.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1477	250.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72

1478 1 ********** PLUME RADIUS FREQUENCY TABLE **********

1479 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1480 SEASON=SPRING

1481	MAXIMUM	********** WIND FROM **********																
1482	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1483	TOWER	********** PLUME HEADED **********																
1484	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
1485																		
1486	255.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1487	260.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1488	265.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1489	270.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1490	275.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1491	280.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1492	285.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1493	290.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1494	295.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1495	300.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72

1496	305.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1497	310.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1498	315.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1499	320.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1500	325.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1501	330.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1502	335.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1503	340.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1504	345.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1505	350.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1506	355.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1507	360.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1508	365.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1509	370.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1510	375.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1511	380.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1512	385.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1513	390.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1514	395.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1515	400.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1516	405.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1517	410.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1518	415.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1519	420.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1520	425.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1521	430.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1522	435.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1523	440.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1524	445.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1525	450.	.53	.07	.00	.00	.05	.02	.00	.74	1.09	.79	.00	.32	.11	.07	.00	.94	4.72
1526	455.	.53	.07	.00	.00	.00	.00	.00	.74	1.09	.79	.00	.00	.00	.00	.00	.94	4.15
1527	460.	.53	.07	.00	.00	.00	.00	.00	.74	1.09	.79	.00	.00	.00	.00	.00	.94	4.15
1528	465.	.53	.07	.00	.00	.00	.00	.00	.74	1.09	.79	.00	.00	.00	.00	.00	.94	4.15
1529	470.	.53	.07	.00	.00	.00	.00	.00	.74	1.09	.79	.00	.00	.00	.00	.00	.94	4.15
1530	475.	.32	.02	.00	.00	.00	.00	.00	.55	.64	.43	.00	.00	.00	.00	.00	.73	2.71
1531	480.	.32	.02	.00	.00	.00	.00	.00	.55	.64	.43	.00	.00	.00	.00	.00	.73	2.71
1532	485.	.32	.02	.00	.00	.00	.00	.00	.55	.64	.43	.00	.00	.00	.00	.00	.73	2.71
1533	490.	.32	.02	.00	.00	.00	.00	.00	.55	.64	.43	.00	.00	.00	.00	.00	.73	2.71
1534	495.	.32	.02	.00	.00	.00	.00	.00	.55	.64	.43	.00	.00	.00	.00	.00	.73	2.71
1535	500.	.32	.02	.00	.00	.00	.00	.00	.55	.64	.43	.00	.00	.00	.00	.00	.73	2.71

1536 1 ********** HOURS OF PLUME SHADOWING TABLE **********

1537 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1538 SEASON=SPRING

1539 DISTANCE	********** WIND FROM **********																
1540 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1541 TOWER	********** PLUME HEADED **********																
1542 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
1543																	
1544 200.	44.4	51.1	65.9	85.9	207.8	150.5	113.6	103.0	84.0	85.4	92.7	148.9	149.4	73.1	57.7	42.5	97.3
1545 400.	16.0	23.2	24.1	30.6	41.5	31.2	27.7	29.6	23.7	16.7	11.2	19.1	36.1	15.9	14.9	14.3	23.5
1546 600.	11.6	12.2	16.9	16.4	16.7	19.6	13.0	24.4	17.5	8.9	4.9	5.9	15.7	4.9	5.7	7.8	12.6
1547 800.	10.0	12.2	11.7	13.0	11.6	15.5	10.1	18.9	14.8	3.6	3.5	3.9	2.0	3.5	3.4	5.2	8.9
1548 1000.	6.4	11.4	10.2	7.8	9.9	12.8	8.4	15.7	10.6	3.6	1.3	1.9	.6	2.9	3.4	3.2	6.9
1549 1200.	6.4	10.7	10.2	6.0	8.9	11.9	7.1	14.0	7.6	3.6	1.3	.6	.0	3.4	2.4	3.2	6.1
1550 1400.	5.6	9.8	10.2	6.0	7.6	11.0	6.5	12.0	7.6	3.6	1.3	.0	.0	2.8	2.4	2.2	5.5
1551 1600.	5.6	9.2	10.2	5.1	7.6	11.0	6.5	11.2	7.6	3.6	1.3	.0	.0	2.8	2.4	2.2	5.4
1552 1800.	5.6	8.2	10.2	4.3	7.6	11.0	5.6	11.2	7.6	3.6	1.3	.0	.0	3.4	2.4	2.2	5.3
1553 2000.	5.6	8.2	10.2	4.3	6.9	10.3	5.6	11.2	6.3	3.6	1.3	.0	.0	2.2	2.4	2.2	5.0
1554 2200.	5.6	8.2	10.2	4.3	5.9	9.6	5.6	11.2	6.3	3.6	1.3	.0	.0	2.2	2.4	2.2	4.9
1555 2400.	5.6	8.2	10.2	3.6	5.0	9.6	5.6	11.2	6.3	3.6	1.3	.0	.0	2.8	2.4	2.2	4.8
1556 2600.	5.6	8.2	8.2	3.6	5.0	9.0	5.6	10.2	5.3	3.6	1.3	.0	.0	4.0	2.4	2.2	4.6
1557 2800.	5.6	8.2	8.2	3.6	5.0	9.0	5.6	9.2	5.3	3.6	.0	.0	.0	2.8	2.4	2.2	4.4
1558 3000.	5.6	8.2	8.2	3.6	4.3	9.0	5.6	9.2	5.3	3.6	.0	.0	.0	2.8	2.4	2.2	4.4
1559 3200.	5.6	8.2	8.2	3.6	4.3	8.3	5.6	9.2	5.3	3.6	.0	.0	.0	2.8	1.2	2.2	4.3
1560 3400.	5.6	8.2	8.2	3.6	4.3	7.4	4.7	8.3	5.3	3.6	.0	.0	.0	1.6	1.2	2.2	4.0

1561	3600.	5.6	8.2	8.2	3.6	4.3	7.4	4.7	7.3	5.3	3.6	.0	.0	.0	1.6	1.2	2.2	3.9
1562	3800.	4.7	8.2	8.2	3.6	4.3	6.8	4.7	7.3	5.3	3.6	.0	.0	.0	2.1	1.2	2.2	3.9
1563	4000.	4.7	8.2	5.7	3.6	4.3	6.0	4.7	7.3	5.3	3.6	.0	.0	.0	1.6	1.2	2.2	3.6
1564	4200.	3.3	8.2	5.7	3.6	4.3	6.0	4.7	7.3	5.3	3.6	.0	.0	.0	1.6	1.2	2.2	3.6
1565	4400.	3.3	8.2	5.7	3.6	4.3	6.0	4.7	7.3	4.3	3.6	.0	.0	.0	1.6	1.2	2.2	3.5
1566	4600.	3.3	8.2	4.8	3.6	4.3	6.0	4.7	7.3	4.3	3.6	.0	.0	.0	1.6	1.2	2.2	3.4
1567	4800.	3.3	8.2	4.1	2.9	4.3	6.0	4.7	7.3	4.3	3.6	.0	.0	.0	1.1	1.2	2.2	3.3
1568	5000.	3.3	8.2	4.1	2.9	4.3	6.0	4.7	7.3	4.3	3.6	.0	.0	.0	1.1	1.2	2.2	3.3
1569	5200.	3.3	8.2	4.1	2.9	4.3	6.0	4.7	7.3	4.3	3.6	.0	.0	.0	1.1	1.2	2.2	3.3
1570	5400.	3.3	8.2	4.1	2.9	3.6	6.5	4.7	7.3	4.3	2.3	.0	.0	.0	1.1	1.2	2.2	3.2
1571	5600.	3.3	8.2	4.1	2.9	3.6	6.5	4.7	7.3	4.3	2.3	.0	.0	.0	1.1	1.2	2.2	3.2
1572	5800.	3.3	7.5	4.1	2.9	3.6	6.5	4.7	7.3	4.3	2.3	.0	.0	.0	1.6	1.2	2.2	3.2
1573	6000.	3.3	6.6	4.1	2.9	3.6	6.5	4.7	7.3	4.3	2.3	.0	.0	.0	1.6	1.2	2.2	3.1
1574	6200.	3.3	6.6	4.1	2.9	3.6	6.5	4.7	7.3	4.3	2.3	.0	.0	.0	1.6	1.2	2.2	3.1
1575	6400.	3.3	6.6	4.1	2.9	3.6	6.5	4.7	6.3	4.3	2.3	.0	.0	.0	1.6	1.2	2.2	3.1
1576	6600.	3.3	6.6	4.1	2.9	3.6	6.0	3.7	6.3	4.3	2.3	.0	.0	.0	1.6	1.2	2.2	3.0
1577	6800.	3.3	6.6	4.1	2.9	3.6	6.0	3.7	6.3	3.3	2.3	.0	.0	.0	1.6	1.2	2.2	2.9
1578	7000.	3.3	6.6	4.1	2.9	3.6	6.0	3.7	6.3	3.3	2.3	.0	.0	.0	1.6	1.2	2.2	2.9
1579	7200.	3.3	5.6	4.1	2.9	3.6	5.5	3.7	6.3	3.3	2.3	.0	.0	.0	1.6	1.2	2.2	2.8
1580	7400.	2.3	5.6	4.1	2.9	3.6	5.5	3.7	6.3	3.3	2.3	.0	.0	.0	1.6	1.2	2.2	2.8
1581	7600.	2.3	5.6	4.1	2.9	3.6	5.5	3.7	6.3	3.3	2.3	.0	.0	.0	1.1	1.2	2.2	2.7
1582	7800.	2.3	5.6	4.1	2.9	3.6	5.5	3.0	5.3	3.3	2.3	.0	.0	.0	.5	1.2	2.2	2.6
1583	8000.	1.2	4.3	4.1	2.9	3.6	5.5	3.0	5.3	3.3	2.3	.0	.0	.0	.5	1.2	2.2	2.5

1584 1 ********** TOTAL SOLAR ENERGY LOSS TABLE (MJ/M**2)**********

1585 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1586 SEASON=SPRING

1587	DISTANCE	********** WIND FROM **********																
1588	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1589	TOWER	********** PLUME HEADED **********																
1590	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
1591																		
1592	200.	19.4	23.8	29.4	34.9	90.5	83.7	83.2	90.5	72.3	58.1	41.8	60.3	50.5	23.7	23.8	18.9	50.3
1593	400.	3.7	7.4	4.6	6.2	7.2	8.0	7.3	20.4	12.3	5.7	2.4	1.6	4.7	2.1	4.6	4.3	6.4
1594	600.	1.7	2.5	2.7	2.2	1.3	4.3	2.5	16.3	10.8	2.6	.6	.4	1.5	.3	1.1	1.6	3.3
1595	800.	1.7	2.5	1.3	1.2	.6	3.4	.9	15.3	10.7	1.5	.6	.4	.1	.2	1.0	1.3	2.7
1596	1000.	1.3	2.4	1.2	.4	.5	2.6	.8	14.6	7.1	1.5	.3	.0	.0	.2	1.0	1.0	2.2
1597	1200.	1.3	2.4	1.2	.2	.4	2.5	.8	13.3	3.9	1.5	.3	.0	.0	.2	.5	1.0	1.9
1598	1400.	1.3	2.3	1.2	.2	.4	2.4	.7	11.8	3.9	1.5	.3	.0	.0	.0	.5	.7	1.7
1599	1600.	1.3	2.3	1.2	.2	.4	2.4	.7	11.8	3.9	1.5	.3	.0	.0	.0	.5	.7	1.7
1600	1800.	1.3	2.0	1.2	.2	.4	2.4	.7	11.8	3.9	1.5	.3	.0	.0	.0	.5	.7	1.7
1601	2000.	1.3	2.0	1.2	.2	.3	2.4	.7	11.8	3.6	1.5	.3	.0	.0	.0	.5	.7	1.7
1602	2200.	1.3	2.0	1.2	.2	.2	2.3	.7	11.8	3.6	1.5	.3	.0	.0	.0	.5	.7	1.7
1603	2400.	1.3	2.0	1.2	.1	.2	2.3	.7	11.8	3.6	1.5	.3	.0	.0	.0	.5	.7	1.6
1604	2600.	1.3	2.0	.9	.1	.2	2.3	.7	10.2	3.2	1.5	.3	.0	.0	.3	.5	.7	1.5
1605	2800.	1.3	2.0	.9	.1	.2	2.3	.7	9.7	3.2	1.5	.0	.0	.0	.3	.5	.7	1.5
1606	3000.	1.3	2.0	.9	.1	.2	2.3	.7	9.7	3.2	1.5	.0	.0	.0	.3	.5	.7	1.5
1607	3200.	1.3	2.0	.9	.1	.2	2.3	.7	9.7	3.2	1.5	.0	.0	.0	.3	.2	.7	1.4
1608	3400.	1.3	2.0	.9	.1	.2	2.2	.6	9.6	3.2	1.5	.0	.0	.0	.0	.2	.7	1.4
1609	3600.	1.3	2.0	.9	.1	.2	2.2	.6	7.7	3.2	1.5	.0	.0	.0	.0	.2	.7	1.3
1610	3800.	1.2	2.0	.9	.1	.2	2.2	.6	7.7	3.2	1.5	.0	.0	.0	.0	.2	.7	1.3
1611	4000.	1.2	2.0	.3	.1	.2	2.2	.6	7.7	3.2	1.5	.0	.0	.0	.0	.2	.7	1.2
1612	4200.	.8	2.0	.3	.1	.2	2.2	.6	7.7	3.2	1.5	.0	.0	.0	.0	.2	.7	1.2
1613	4400.	.8	2.0	.3	.1	.2	2.2	.6	7.7	1.9	1.5	.0	.0	.0	.0	.2	.7	1.1
1614	4600.	.8	2.0	.2	.1	.2	2.2	.6	7.7	1.9	1.5	.0	.0	.0	.0	.2	.7	1.1
1615	4800.	.8	2.0	.2	.1	.2	2.2	.6	7.7	1.9	1.5	.0	.0	.0	.0	.2	.7	1.1
1616	5000.	.8	2.0	.2	.1	.2	2.2	.6	7.7	1.9	1.5	.0	.0	.0	.0	.2	.7	1.1
1617	5200.	.8	2.0	.2	.1	.2	2.2	.6	7.7	1.9	1.5	.0	.0	.0	.0	.2	.7	1.1
1618	5400.	.8	2.0	.2	.1	.1	2.2	.6	7.7	1.9	1.2	.0	.0	.0	.0	.2	.7	1.1
1619	5600.	.8	2.0	.2	.1	.1	2.2	.6	7.7	1.9	1.2	.0	.0	.0	.0	.2	.7	1.1
1620	5800.	.8	2.0	.2	.1	.1	2.2	.6	7.7	1.9	1.2	.0	.0	.0	.0	.2	.7	1.1
1621	6000.	.8	1.9	.2	.1	.1	2.2	.6	7.7	1.9	1.2	.0	.0	.0	.0	.2	.7	1.1
1622	6200.	.8	1.9	.2	.1	.1	2.2	.6	7.7	1.9	1.2	.0	.0	.0	.0	.2	.7	1.1
1623	6400.	.8	1.9	.2	.1	.1	2.2	.6	6.1	1.9	1.2	.0	.0	.0	.0	.2	.7	1.0
1624	6600.	.8	1.9	.2	.1	.1	2.2	.5	6.1	1.9	1.2	.0	.0	.0	.0	.2	.7	1.0
1625	6800.	.8	1.9	.2	.1	.1	2.2	.5	6.1	1.4	1.2	.0	.0	.0	.0	.2	.7	1.0

1626	7000.	.8	1.9	.2	.1	.1	2.2	.5	6.1	1.4	1.2	.0	.0	.0	.0	.2	.7	1.0
1627	7200.	.8	1.9	.2	.1	.1	2.2	.5	6.1	1.4	1.2	.0	.0	.0	.0	.2	.7	1.0
1628	7400.	.5	1.9	.2	.1	.1	2.2	.5	6.1	1.4	1.2	.0	.0	.0	.0	.2	.7	.9
1629	7600.	.5	1.9	.2	.1	.1	2.2	.5	6.1	1.4	1.2	.0	.0	.0	.0	.2	.7	.9
1630	7800.	.5	1.9	.2	.1	.1	2.2	.5	5.0	1.4	1.2	.0	.0	.0	.0	.2	.7	.9
1631	8000.	.3	1.4	.2	.1	.1	2.2	.5	5.0	1.4	1.2	.0	.0	.0	.0	.2	.7	.8

1632 1 ********** PERCENT TOTAL ENERGY LOSS TABLE **********

1633 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1634 SEASON=SPRING

1635 DISTANCE	********** WIND FROM **********																
1636 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1637 TOWER	********** PLUME HEADED **********																
1638 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
1639																	
1640 200.	.5	.6	.7	.9	2.2	2.1	2.1	2.2	1.8	1.4	1.0	1.5	1.2	.6	.6	.5	1.2
1641 400.	.1	.2	.1	.2	.2	.2	.2	.5	.3	.1	.1	.0	.1	.1	.1	.1	.2
1642 600.	.0	.1	.1	.1	.0	.1	.1	.4	.3	.1	.0	.0	.0	.0	.0	.0	.1
1643 800.	.0	.1	.0	.0	.0	.1	.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.1
1644 1000.	.0	.1	.0	.0	.0	.1	.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.1
1645 1200.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1646 1400.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1647 1600.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1648 1800.	.0	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1649 2000.	.0	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1650 2200.	.0	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1651 2400.	.0	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1652 2600.	.0	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1653 2800.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1654 3000.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1655 3200.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1656 3400.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1657 3600.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1658 3800.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1659 4000.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1660 4200.	.0	.0	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1661 4400.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1662 4600.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1663 4800.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1664 5000.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1665 5200.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1666 5400.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1667 5600.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1668 5800.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1669 6000.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1670 6200.	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1671 6400.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1672 6600.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1673 6800.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1674 7000.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1675 7200.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1676 7400.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1677 7600.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1678 7800.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
1679 8000.	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0

1680 1 ********** PERCENT BEAM ENERGY LOSS TABLE **********

1681 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1682 SEASON=SPRING

1683 DISTANCE	********** WIND FROM **********																
1684 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1685 TOWER	********** PLUME HEADED **********																
1686 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
1687																	
1688 200.	.8	.9	1.1	1.4	3.5	3.3	3.2	3.5	2.8	2.3	1.6	2.4	2.0	.9	.9	.7	2.0
1689 400.	.1	.3	.2	.2	.3	.3	.3	.8	.5	.2	.1	.1	.2	.1	.2	.2	.2
1690 600.	.1	.1	.1	.1	.1	.2	.1	.6	.4	.1	.0	.0	.1	.0	.0	.1	.1

1691	800.	.1	.1	.1	.0	.0	.1	.0	.6	.4	.1	.0	.0	.0	.0	.0	.1	.1
1692	1000.	.1	.1	.0	.0	.0	.1	.0	.6	.3	.1	.0	.0	.0	.0	.0	.0	.1
1693	1200.	.1	.1	.0	.0	.0	.1	.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.1
1694	1400.	.1	.1	.0	.0	.0	.1	.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.1
1695	1600.	.1	.1	.0	.0	.0	.1	.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.1
1696	1800.	.1	.1	.0	.0	.0	.1	.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.1
1697	2000.	.1	.1	.0	.0	.0	.1	.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	.1
1698	2200.	.1	.1	.0	.0	.0	.1	.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	.1
1699	2400.	.1	.1	.0	.0	.0	.1	.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	.1
1700	2600.	.1	.1	.0	.0	.0	.1	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.1
1701	2800.	.1	.1	.0	.0	.0	.1	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.1
1702	3000.	.1	.1	.0	.0	.0	.1	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.1
1703	3200.	.1	.1	.0	.0	.0	.1	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.1
1704	3400.	.1	.1	.0	.0	.0	.1	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.1
1705	3600.	.1	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.1
1706	3800.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.1
1707	4000.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
1708	4200.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
1709	4400.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
1710	4600.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
1711	4800.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
1712	5000.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
1713	5200.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
1714	5400.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1715	5600.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1716	5800.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1717	6000.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1718	6200.	.0	.1	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
1719	6400.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1720	6600.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1721	6800.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1722	7000.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1723	7200.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1724	7400.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1725	7600.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1726	7800.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
1727	8000.	.0	.1	.0	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0

1728 1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

1729 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1730 SEASON=SPRING

1731 DISTANCE	********** WIND FROM **********																
1732 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1733 TOWER	********** PLUME HEADED **********																
1734 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
1735																	
1736 100.	23.07	27.86	1.02	2.14	3.90	6.18	4.14	116.29	52.80	23.40	.98	2.38	2.37	1.21	.88	16.74	17.84
1737 200.	58.64	79.10	3.64	5.21	9.30	12.94	14.49	323.13	133.12	58.75	2.07	3.36	3.37	1.76	1.78	35.27	46.62
1738 300.	21.44	34.36	3.56	4.79	8.63	11.28	14.13	134.93	58.01	25.59	2.04	2.44	2.50	1.30	1.75	14.70	21.34
1739 400.	2.97	3.71	2.61	3.39	6.08	7.86	10.43	16.35	9.03	3.31	1.89	1.25	1.30	.62	1.44	2.63	4.68
1740 500.	.65	.15	1.69	3.16	5.67	7.30	6.66	1.54	1.98	.85	1.09	1.19	1.20	.61	.93	1.05	2.23
1741 600.	.52	.13	1.43	2.23	4.00	5.22	5.57	1.20	1.52	.67	.87	.99	1.01	.53	.75	.86	1.72
1742 700.	.40	.09	.64	1.05	1.84	2.48	2.78	.82	1.04	.46	.63	.71	.74	.39	.57	.71	.96
1743 800.	.36	.07	.43	.57	1.03	1.40	1.87	.70	.91	.37	.56	.45	.44	.20	.46	.64	.65
1744 900.	.36	.07	.42	.18	.33	.57	1.72	.70	.91	.37	.50	.21	.18	.05	.37	.64	.47
1745 1000.	.36	.07	.40	.14	.28	.51	1.56	.70	.91	.37	.38	.15	.13	.02	.21	.64	.43
1746 1100.	.36	.07	.36	.13	.27	.49	1.44	.70	.91	.37	.23	.12	.13	.02	.11	.64	.40
1747 1200.	.36	.07	.35	.13	.27	.48	1.38	.70	.91	.37	.19	.09	.13	.02	.08	.64	.39
1748 1300.	.36	.07	.33	.12	.25	.43	1.32	.70	.91	.37	.17	.08	.11	.02	.08	.64	.37
1749 1400.	.35	.07	.30	.10	.18	.25	1.18	.68	.88	.36	.13	.04	.04	.02	.08	.63	.33
1750 1500.	.33	.07	.30	.10	.18	.25	1.18	.60	.79	.33	.13	.04	.04	.02	.08	.57	.31
1751 1600.	.28	.05	.30	.10	.18	.25	1.18	.53	.67	.30	.13	.04	.04	.02	.08	.51	.29
1752 1700.	.27	.05	.30	.10	.18	.25	1.18	.51	.63	.29	.13	.04	.04	.02	.08	.49	.29
1753 1800.	.22	.03	.30	.10	.18	.25	1.18	.45	.51	.19	.13	.04	.04	.02	.08	.44	.26
1754 1900.	.18	.01	.30	.10	.18	.25	1.18	.34	.40	.13	.13	.04	.04	.02	.08	.31	.23
1755 2000.	.13	.01	.30	.10	.18	.25	1.18	.28	.30	.06	.13	.04	.04	.02	.08	.16	.20

1756	2100.	.10	.01	.11	.10	.18	.25	.39	.25	.26	.04	.05	.04	.04	.02	.05	.11	.12
1757	2200.	.10	.01	.11	.10	.18	.25	.39	.16	.23	.04	.05	.04	.04	.02	.05	.10	.12
1758	2300.	.10	.01	.11	.10	.18	.25	.39	.16	.23	.04	.05	.04	.04	.02	.05	.10	.12
1759	2400.	.05	.01	.11	.10	.18	.25	.39	.09	.13	.04	.05	.04	.04	.02	.05	.07	.10
1760	2500.	.02	.01	.11	.10	.18	.25	.39	.04	.04	.01	.05	.04	.04	.02	.05	.01	.08
1761	2600.	.02	.01	.11	.10	.18	.25	.39	.04	.04	.01	.05	.04	.04	.02	.05	.01	.08
1762	2700.	.02	.01	.11	.10	.18	.25	.39	.04	.04	.01	.05	.04	.04	.02	.05	.01	.08
1763	2800.	.02	.01	.11	.10	.18	.25	.39	.04	.04	.01	.05	.04	.04	.02	.05	.01	.08
1764	2900.	.02	.01	.11	.10	.18	.25	.39	.04	.04	.01	.05	.04	.04	.02	.05	.01	.08
1765	3000.	.02	.01	.11	.10	.18	.25	.38	.04	.04	.01	.05	.04	.04	.02	.04	.01	.08
1766	3100.	.02	.01	.10	.10	.18	.25	.37	.04	.04	.01	.05	.04	.04	.02	.04	.01	.08
1767	3200.	.02	.01	.10	.10	.18	.25	.36	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1768	3300.	.02	.01	.10	.10	.18	.25	.36	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1769	3400.	.02	.01	.10	.10	.18	.24	.36	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1770	3500.	.02	.01	.10	.10	.17	.22	.36	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1771	3600.	.02	.01	.10	.10	.17	.22	.36	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1772	3700.	.02	.01	.10	.10	.17	.22	.36	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1773	3800.	.02	.01	.10	.10	.17	.22	.36	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1774	3900.	.02	.01	.10	.10	.17	.22	.35	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1775	4000.	.02	.01	.10	.10	.17	.22	.35	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1776	4100.	.02	.01	.10	.10	.17	.22	.35	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1777	4200.	.02	.01	.10	.10	.17	.22	.35	.04	.04	.01	.05	.04	.04	.02	.03	.01	.08
1778	4300.	.02	.01	.10	.09	.17	.22	.35	.04	.04	.01	.05	.04	.03	.02	.03	.01	.08
1779	4400.	.02	.01	.10	.09	.17	.22	.35	.04	.04	.01	.05	.04	.03	.02	.03	.01	.08
1780	4500.	.02	.01	.10	.09	.17	.22	.35	.04	.04	.01	.05	.04	.03	.02	.03	.01	.08
1781	4600.	.02	.01	.03	.09	.17	.22	.11	.04	.04	.01	.03	.04	.03	.02	.02	.01	.05
1782	4700.	.02	.01	.01	.09	.17	.22	.05	.04	.04	.01	.02	.04	.03	.02	.01	.01	.05
1783	4800.	.02	.01	.01	.09	.17	.22	.05	.04	.04	.01	.02	.04	.03	.02	.01	.01	.05
1784	4900.	.02	.01	.01	.09	.17	.22	.05	.04	.04	.01	.02	.04	.03	.02	.01	.01	.05
1785	5000.	.02	.01	.01	.09	.16	.21	.05	.04	.04	.01	.02	.04	.03	.01	.01	.01	.05

1786 1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

1787 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1788 SEASON=SPRING

1789 DISTANCE	********** WIND FROM **********																
1790 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1791 TOWER	********** PLUME HEADED **********																
1792 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
1793																	
1794 5100.	.02	.01	.01	.09	.16	.21	.05	.04	.04	.01	.02	.04	.03	.01	.01	.01	.05
1795 5200.	.02	.01	.01	.09	.16	.21	.05	.04	.04	.01	.02	.04	.03	.01	.01	.01	.05
1796 5300.	.02	.01	.01	.09	.16	.21	.04	.04	.04	.01	.02	.04	.03	.01	.01	.01	.05
1797 5400.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.04	.03	.01	.01	.01	.05
1798 5500.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.04	.03	.01	.01	.01	.05
1799 5600.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.04	.03	.01	.01	.01	.05
1800 5700.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.04	.03	.01	.01	.01	.05
1801 5800.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.04	.03	.01	.01	.01	.05
1802 5900.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.04	.03	.01	.01	.01	.05
1803 6000.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.03	.03	.01	.01	.01	.05
1804 6100.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.03	.03	.01	.01	.01	.05
1805 6200.	.02	.00	.01	.09	.16	.21	.04	.04	.04	.00	.02	.03	.03	.01	.01	.01	.05
1806 6300.	.02	.00	.01	.09	.16	.21	.04	.03	.04	.00	.02	.03	.03	.01	.01	.01	.04
1807 6400.	.02	.00	.01	.09	.16	.21	.04	.03	.04	.00	.02	.03	.03	.01	.01	.01	.04
1808 6500.	.02	.00	.00	.09	.16	.21	.02	.03	.04	.00	.01	.03	.03	.01	.01	.01	.04
1809 6600.	.02	.00	.00	.09	.15	.19	.02	.03	.04	.00	.01	.02	.02	.01	.01	.01	.04
1810 6700.	.01	.00	.00	.09	.15	.19	.02	.02	.03	.00	.01	.02	.02	.01	.01	.01	.04
1811 6800.	.00	.00	.00	.07	.12	.15	.02	.01	.01	.00	.01	.02	.02	.01	.01	.00	.03
1812 6900.	.00	.00	.00	.03	.06	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1813 7000.	.00	.00	.00	.03	.06	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1814 7100.	.00	.00	.00	.03	.06	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1815 7200.	.00	.00	.00	.03	.06	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1816 7300.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1817 7400.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1818 7500.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1819 7600.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1820 7700.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02

1821	7800.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1822	7900.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1823	8000.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1824	8100.	.00	.00	.00	.03	.05	.07	.02	.01	.01	.00	.01	.01	.01	.01	.01	.00	.02
1825	8200.	.00	.00	.00	.02	.03	.04	.02	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1826	8300.	.00	.00	.00	.00	.01	.01	.02	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1827	8400.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1828	8500.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1829	8600.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1830	8700.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1831	8800.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1832	8900.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1833	9000.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1834	9100.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1835	9200.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1836	9300.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1837	9400.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1838	9500.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1839	9600.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1840	9700.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1841	9800.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1842	9900.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01
1843	10000.	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.01	.00	.01

1844 1 ********** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

1845 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

1846 SEASON=SPRING

1847 DISTANCE ********** WIND FROM **********

1848 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
1849 TOWER	********** PLUME HEADED **********																
1850 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
1851																	
1852 100.	.23E+04	.27E+04	.98E+02	.20E+03	.36E+03	.57E+03	.40E+03	.11E+05	.52E+04	.23E+04	.93E+02	.23E+03	.22E+03	.12E+03	.84E+02	.16E+04	.17E+04
1853 200.	.57E+04	.78E+04	.35E+03	.48E+03	.86E+03	.12E+04	.14E+04	.32E+05	.13E+05	.58E+04	.20E+03	.32E+03	.32E+03	.17E+03	.17E+03	.34E+04	.45E+04
1854 300.	.20E+04	.34E+04	.35E+03	.44E+03	.80E+03	.10E+04	.14E+04	.13E+05	.55E+04	.25E+04	.20E+03	.23E+03	.23E+03	.12E+03	.17E+03	.14E+04	.21E+04
1855 400.	.26E+03	.36E+03	.25E+03	.29E+03	.51E+03	.66E+03	.10E+04	.15E+04	.82E+03	.32E+03	.18E+03	.11E+03	.11E+03	.52E+02	.14E+03	.23E+03	.43E+03
1856 500.	.51E+02	.11E+02	.16E+03	.25E+03	.45E+03	.58E+03	.62E+03	.13E+03	.17E+03	.76E+02	.94E+02	.93E+02	.96E+02	.50E+02	.85E+02	.91E+02	.19E+03
1857 600.	.38E+02	.88E+01	.13E+03	.18E+03	.31E+03	.40E+03	.52E+03	.93E+02	.12E+03	.59E+02	.73E+02	.77E+02	.80E+02	.43E+02	.67E+02	.71E+02	.14E+03
1858 700.	.26E+02	.54E+01	.50E+02	.79E+02	.14E+03	.18E+03	.23E+03	.55E+02	.73E+02	.38E+02	.48E+02	.54E+02	.58E+02	.32E+02	.49E+02	.57E+02	.73E+02
1859 800.	.22E+02	.32E+01	.30E+02	.38E+02	.69E+02	.87E+02	.14E+03	.44E+02	.60E+02	.29E+02	.41E+02	.31E+02	.31E+02	.14E+02	.39E+02	.50E+02	.46E+02
1860 900.	.22E+02	.32E+01	.29E+02	.61E+01	.12E+02	.20E+02	.13E+03	.44E+02	.60E+02	.29E+02	.36E+02	.94E+01	.77E+01	.25E+01	.30E+02	.50E+02	.30E+02
1861 1000.	.22E+02	.32E+01	.27E+02	.46E+01	.89E+01	.16E+02	.11E+03	.44E+02	.60E+02	.29E+02	.26E+02	.50E+01	.41E+01	.66E+00	.16E+02	.50E+02	.27E+02
1862 1100.	.22E+02	.32E+01	.25E+02	.40E+01	.84E+01	.15E+02	.10E+03	.44E+02	.60E+02	.29E+02	.15E+02	.37E+01	.41E+01	.66E+00	.74E+01	.50E+02	.25E+02
1863 1200.	.22E+02	.32E+01	.24E+02	.40E+01	.84E+01	.15E+02	.10E+03	.44E+02	.60E+02	.29E+02	.11E+02	.29E+01	.41E+01	.66E+00	.59E+01	.50E+02	.24E+02
1864 1300.	.22E+02	.32E+01	.24E+02	.38E+01	.78E+01	.13E+02	.98E+02	.44E+02	.60E+02	.29E+02	.11E+02	.26E+01	.35E+01	.66E+00	.59E+01	.50E+02	.24E+02
1865 1400.	.21E+02	.32E+01	.23E+02	.31E+01	.55E+01	.72E+01	.93E+02	.42E+02	.58E+02	.28E+02	.96E+01	.11E+01	.13E+01	.66E+00	.59E+01	.49E+02	.22E+02
1866 1500.	.19E+02	.32E+01	.23E+02	.31E+01	.55E+01	.72E+01	.93E+02	.34E+02	.49E+02	.25E+02	.96E+01	.11E+01	.13E+01	.66E+00	.59E+01	.43E+02	.20E+02
1867 1600.	.16E+02	.23E+01	.23E+02	.31E+01	.55E+01	.72E+01	.93E+02	.30E+02	.42E+02	.24E+02	.96E+01	.11E+01	.13E+01	.66E+00	.59E+01	.40E+02	.19E+02
1868 1700.	.16E+02	.21E+01	.23E+02	.31E+01	.55E+01	.72E+01	.93E+02	.29E+02	.40E+02	.23E+02	.96E+01	.11E+01	.13E+01	.66E+00	.59E+01	.39E+02	.19E+02
1869 1800.	.12E+02	.15E+01	.23E+02	.31E+01	.55E+01	.72E+01	.93E+02	.24E+02	.29E+02	.16E+02	.96E+01	.11E+01	.13E+01	.66E+00	.59E+01	.34E+02	.17E+02
1870 1900.	.91E+01	.85E+00	.23E+02	.31E+01	.55E+01	.72E+01	.93E+02	.15E+02	.19E+02	.12E+02	.96E+01	.11E+01	.12E+01	.66E+00	.59E+01	.23E+02	.14E+02
1871 2000.	.48E+01	.38E+00	.23E+02	.31E+01	.55E+01	.72E+01	.93E+02	.92E+01	.11E+02	.47E+01	.96E+01	.11E+01	.11E+01	.66E+00	.59E+01	.94E+01	.12E+02
1872 2100.	.30E+01	.34E+00	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.65E+01	.79E+01	.30E+01	.17E+01	.11E+01	.11E+01	.66E+00	.22E+01	.57E+01	.42E+01
1873 2200.	.23E+01	.34E+00	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.36E+01	.66E+01	.28E+01	.17E+01	.11E+01	.11E+01	.66E+00	.22E+01	.45E+01	.38E+01
1874 2300.	.23E+01	.34E+00	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.36E+01	.66E+01	.28E+01	.17E+01	.11E+01	.11E+01	.66E+00	.22E+01	.45E+01	.38E+01
1875 2400.	.16E+01	.34E+00	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.25E+01	.50E+01	.28E+01	.17E+01	.11E+01	.11E+01	.64E+00	.22E+01	.41E+01	.36E+01
1876 2500.	.19E+00	.55E-01	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.31E+00	.42E+00	.23E+00	.17E+01	.11E+01	.11E+01	.64E+00	.22E+01	.20E+00	.27E+01
1877 2600.	.19E+00	.55E-01	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.31E+00	.42E+00	.23E+00	.17E+01	.11E+01	.11E+01	.64E+00	.22E+01	.20E+00	.27E+01
1878 2700.	.19E+00	.55E-01	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.31E+00	.42E+00	.23E+00	.17E+01	.11E+01	.11E+01	.64E+00	.21E+01	.20E+00	.27E+01
1879 2800.	.19E+00	.55E-01	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.31E+00	.42E+00	.23E+00	.17E+01	.11E+01	.11E+01	.64E+00	.21E+01	.20E+00	.27E+01
1880 2900.	.19E+00	.55E-01	.40E+01	.31E+01	.55E+01	.72E+01	.15E+02	.31E+00	.42E+00	.23E+00	.17E+01	.11E+01	.11E+01	.64E+00	.21E+01	.20E+00	.27E+01
1881 3000.	.19E+00	.55E-01	.40E+01	.31E+01	.55E+01	.72E+01	.14E+02	.31E+00	.42E+00	.23E+00	.17E+01	.11E+01	.11E+01	.64E+00	.19E+01	.20E+00	.26E+01
1882 3100.	.19E+00	.55E-01	.37E+01	.31E+01	.55E+01	.72E+01	.14E+02	.31E+00	.42E+00	.23E+00	.15E+01	.11E+01	.11E+01	.64E+00	.15E+01	.20E+00	.25E+01
1883 3200.	.19E+00	.55E-01	.36E+01	.31E+01	.55E+01	.72E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.11E+01	.11E+01	.64E+00	.14E+01	.20E+00	.25E+01
1884 3300.	.19E+00	.55E-01	.36E+01	.31E+01	.55E+01	.72E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.11E+01	.11E+01	.64E+00	.14E+01	.20E+00	.25E+01
1885 3400.	.19E+00	.55E-01	.36E+01	.31E+01	.53E+01	.67E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.11E+01	.11E+01	.58E+00	.14E+01	.20E+00	.24E+01

3500.	.19E+00	.55E-01	.36E+01	.30E+01	.51E+01	.61E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.98E+00	.53E+00	.13E+01	.20E+00	.24E+01
3600.	.19E+00	.55E-01	.36E+01	.30E+01	.51E+01	.61E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.98E+00	.53E+00	.13E+01	.20E+00	.23E+01
3700.	.19E+00	.55E-01	.36E+01	.30E+01	.51E+01	.61E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.98E+00	.53E+00	.13E+01	.20E+00	.23E+01
3800.	.19E+00	.55E-01	.35E+01	.30E+01	.51E+01	.61E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.98E+00	.53E+00	.12E+01	.20E+00	.23E+01
3900.	.19E+00	.55E-01	.35E+01	.30E+01	.51E+01	.61E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.98E+00	.53E+00	.11E+01	.20E+00	.23E+01
4000.	.19E+00	.55E-01	.35E+01	.30E+01	.51E+01	.61E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.98E+00	.53E+00	.11E+01	.20E+00	.23E+01
4100.	.19E+00	.55E-01	.35E+01	.30E+01	.51E+01	.61E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.98E+00	.53E+00	.11E+01	.20E+00	.23E+01
4200.	.19E+00	.55E-01	.35E+01	.29E+01	.50E+01	.60E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.96E+00	.53E+00	.11E+01	.20E+00	.23E+01
4300.	.19E+00	.55E-01	.35E+01	.28E+01	.48E+01	.59E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.93E+00	.53E+00	.11E+01	.20E+00	.23E+01
4400.	.19E+00	.55E-01	.35E+01	.28E+01	.48E+01	.59E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.93E+00	.53E+00	.11E+01	.20E+00	.23E+01
4500.	.19E+00	.55E-01	.35E+01	.28E+01	.48E+01	.59E+01	.13E+02	.31E+00	.42E+00	.23E+00	.15E+01	.10E+01	.93E+00	.53E+00	.11E+01	.20E+00	.23E+01
4600.	.19E+00	.55E-01	.77E+00	.28E+01	.48E+01	.59E+01	.31E+01	.31E+00	.42E+00	.23E+00	.68E+00	.10E+01	.93E+00	.53E+00	.55E+00	.20E+00	.14E+01
4700.	.19E+00	.55E-01	.89E-01	.28E+01	.48E+01	.59E+01	.68E+00	.31E+00	.42E+00	.23E+00	.47E+00	.10E+01	.93E+00	.53E+00	.41E+00	.20E+00	.12E+01
4800.	.19E+00	.55E-01	.89E-01	.28E+01	.48E+01	.59E+01	.68E+00	.31E+00	.42E+00	.23E+00	.47E+00	.10E+01	.93E+00	.53E+00	.41E+00	.20E+00	.12E+01
4900.	.19E+00	.55E-01	.89E-01	.28E+01	.48E+01	.59E+01	.68E+00	.31E+00	.42E+00	.23E+00	.47E+00	.10E+01	.93E+00	.53E+00	.41E+00	.20E+00	.12E+01
5000.	.19E+00	.55E-01	.89E-01	.28E+01	.48E+01	.59E+01	.68E+00	.31E+00	.42E+00	.23E+00	.47E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01

1 ********************************** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********************************

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

SEASON=SPRING

DISTANCE FROM TOWER (M)	WIND FROM N / PLUME HEADED S	NNE / SSW	NE / SW	ENE / WSW	E / W	ESE / WNW	SE / NW	SSE / NNW	S / N	SSW / NNE	SW / NE	WSW / ENE	W / E	WNW / ESE	NW / SE	NNW / SSE	ALL / AVG
5100.	.19E+00	.55E-01	.89E-01	.28E+01	.48E+01	.59E+01	.68E+00	.31E+00	.42E+00	.23E+00	.47E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5200.	.19E+00	.55E-01	.89E-01	.28E+01	.48E+01	.59E+01	.68E+00	.31E+00	.42E+00	.23E+00	.47E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5300.	.19E+00	.55E-01	.89E-01	.28E+01	.48E+01	.59E+01	.67E+00	.31E+00	.42E+00	.23E+00	.47E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5400.	.18E+00	.33E-01	.89E-01	.28E+01	.48E+01	.59E+01	.67E+00	.30E+00	.42E+00	.21E+00	.46E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5500.	.18E+00	.33E-01	.89E-01	.28E+01	.48E+01	.59E+01	.67E+00	.30E+00	.42E+00	.21E+00	.46E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5600.	.18E+00	.33E-01	.89E-01	.28E+01	.48E+01	.59E+01	.67E+00	.30E+00	.42E+00	.21E+00	.46E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5700.	.18E+00	.33E-01	.89E-01	.28E+01	.48E+01	.59E+01	.67E+00	.30E+00	.42E+00	.21E+00	.46E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5800.	.18E+00	.33E-01	.87E-01	.28E+01	.48E+01	.59E+01	.67E+00	.30E+00	.42E+00	.21E+00	.46E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
5900.	.18E+00	.33E-01	.84E-01	.28E+01	.48E+01	.59E+01	.66E+00	.30E+00	.42E+00	.21E+00	.46E+00	.10E+01	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
6000.	.18E+00	.33E-01	.84E-01	.28E+01	.48E+01	.59E+01	.65E+00	.30E+00	.42E+00	.21E+00	.45E+00	.99E+00	.93E+00	.51E+00	.41E+00	.20E+00	.12E+01
6100.	.17E+00	.33E-01	.84E-01	.28E+01	.48E+01	.59E+01	.65E+00	.30E+00	.41E+00	.21E+00	.45E+00	.99E+00	.93E+00	.51E+00	.41E+00	.19E+00	.12E+01
6200.	.17E+00	.33E-01	.84E-01	.28E+01	.48E+01	.59E+01	.65E+00	.30E+00	.41E+00	.21E+00	.45E+00	.99E+00	.93E+00	.51E+00	.41E+00	.19E+00	.12E+01
6300.	.17E+00	.33E-01	.84E-01	.28E+01	.47E+01	.57E+01	.65E+00	.28E+00	.41E+00	.21E+00	.45E+00	.87E+00	.87E+00	.41E+00	.41E+00	.19E+00	.11E+01
6400.	.17E+00	.33E-01	.84E-01	.28E+01	.47E+01	.57E+01	.65E+00	.26E+00	.40E+00	.21E+00	.45E+00	.87E+00	.87E+00	.41E+00	.41E+00	.19E+00	.11E+01
6500.	.17E+00	.33E-01	.68E-01	.28E+01	.47E+01	.57E+01	.60E+00	.26E+00	.40E+00	.21E+00	.44E+00	.87E+00	.87E+00	.41E+00	.41E+00	.19E+00	.11E+01
6600.	.17E+00	.33E-01	.66E-01	.28E+01	.46E+01	.57E+01	.59E+00	.26E+00	.40E+00	.21E+00	.43E+00	.85E+00	.84E+00	.41E+00	.41E+00	.19E+00	.11E+01
6700.	.16E+00	.33E-01	.66E-01	.28E+01	.46E+01	.57E+01	.59E+00	.24E+00	.38E+00	.21E+00	.43E+00	.85E+00	.84E+00	.41E+00	.41E+00	.19E+00	.11E+01
6800.	.13E+00	.33E-01	.66E-01	.23E+01	.37E+01	.46E+01	.59E+00	.19E+00	.31E+00	.21E+00	.43E+00	.75E+00	.75E+00	.37E+00	.41E+00	.17E+00	.94E+00
6900.	.13E+00	.33E-01	.66E-01	.98E+00	.16E+01	.20E+01	.59E+00	.19E+00	.31E+00	.21E+00	.43E+00	.52E+00	.53E+00	.27E+00	.41E+00	.17E+00	.53E+00
7000.	.13E+00	.33E-01	.58E-01	.98E+00	.16E+01	.20E+01	.53E+00	.19E+00	.31E+00	.21E+00	.41E+00	.52E+00	.53E+00	.27E+00	.38E+00	.17E+00	.52E+00
7100.	.13E+00	.33E-01	.39E-01	.98E+00	.16E+01	.20E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.52E+00	.53E+00	.27E+00	.31E+00	.17E+00	.51E+00
7200.	.13E+00	.33E-01	.39E-01	.97E+00	.16E+01	.20E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.52E+00	.53E+00	.27E+00	.31E+00	.17E+00	.50E+00
7300.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
7400.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
7500.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
7600.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
7700.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
7800.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
7900.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
8000.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
8100.	.13E+00	.33E-01	.39E-01	.93E+00	.16E+01	.18E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.49E+00	.47E+00	.21E+00	.31E+00	.17E+00	.48E+00
8200.	.13E+00	.33E-01	.39E-01	.50E+00	.83E+00	.10E+01	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.43E+00	.40E+00	.18E+00	.31E+00	.17E+00	.34E+00
8300.	.13E+00	.33E-01	.39E-01	.73E-01	.96E-01	.16E+00	.38E+00	.19E+00	.31E+00	.21E+00	.36E+00	.37E+00	.33E+00	.15E+00	.31E+00	.17E+00	.21E+00
8400.	.13E+00	.33E-01	.35E-01	.73E-01	.96E-01	.16E+00	.34E+00	.19E+00	.31E+00	.21E+00	.35E+00	.37E+00	.33E+00	.15E+00	.28E+00	.17E+00	.20E+00
8500.	.13E+00	.33E-01	.29E-01	.73E-01	.96E-01	.16E+00	.27E+00	.19E+00	.31E+00	.21E+00	.32E+00	.37E+00	.33E+00	.15E+00	.24E+00	.17E+00	.19E+00
8600.	.13E+00	.33E-01	.29E-01	.73E-01	.96E-01	.16E+00	.27E+00	.19E+00	.31E+00	.21E+00	.32E+00	.37E+00	.33E+00	.15E+00	.24E+00	.17E+00	.19E+00
8700.	.13E+00	.33E-01	.29E-01	.73E-01	.96E-01	.16E+00	.27E+00	.19E+00	.31E+00	.21E+00	.32E+00	.37E+00	.33E+00	.15E+00	.24E+00	.17E+00	.19E+00
8800.	.13E+00	.33E-01	.29E-01	.73E-01	.96E-01	.16E+00	.27E+00	.19E+00	.30E+00	.20E+00	.32E+00	.37E+00	.33E+00	.15E+00	.24E+00	.17E+00	.19E+00
8900.	.13E+00	.33E-01	.29E-01	.73E-01	.96E-01	.16E+00	.27E+00	.19E+00	.30E+00	.20E+00	.32E+00	.37E+00	.33E+00	.15E+00	.24E+00	.17E+00	.19E+00
9000.	.13E+00	.33E-01	.29E-01	.73E-01	.96E-01	.16E+00	.27E+00	.19E+00	.30E+00	.20E+00	.32E+00	.37E+00	.33E+00	.15E+00	.24E+00	.17E+00	.19E+00
9100.	.13E+00	.33E-01	.29E-01	.73E-01	.96E-01	.16E+00	.27E+00	.19E+00	.30E+00	.20E+00	.32E+00	.37E+00	.33E+00	.15E+00	.24E+00	.17E+00	.19E+00

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1951    9200. .13E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.30E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.17E+00.19E+00
1952    9300. .13E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1953    9400. .12E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1954    9500. .12E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1955    9600. .12E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1956    9700. .12E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1957    9800. .12E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1958    9900. .12E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1959   10000. .12E+00.33E-01.29E-01.73E-01.96E-01.16E+00.27E+00.19E+00.29E+00.20E+00.32E+00.37E+00.33E+00.15E+00.24E+00.16E+00.19E+00
1960 1          ************************************ HOURS OF PLUME FOGGING TABLE ************************************
1961                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
1962                 SEASON=SPRING
1963  DISTANCE ********************************************** WIND FROM **********************************************
1964    FROM       N    NNE    NE   ENE    E   ESE    SE   SSE    S   SSW    SW   WSW    W   WNW    NW   NNW   ALL
1965   TOWER     ********************************************** PLUME HEADED **********************************************
1966    (M)        S    SSW    SW   WSW    W   WNW    NW   NNW    N   NNE    NE   ENE    E   ESE    SE   SSE   SUM
1967
1968     100.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1969     200.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1970     300.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1971     400.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1972     500.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1973     600.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1974     700.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1975     800.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1976     900.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1977    1000.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1978    1100.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1979    1200.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1980    1300.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1981    1400.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1982    1500.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1983    1600.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1984 1          ************************************ HOURS OF RIME ICING TABLE ************************************
1985                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
1986                 SEASON=SPRING
1987  DISTANCE ********************************************** WIND FROM **********************************************
1988    FROM       N    NNE    NE   ENE    E   ESE    SE   SSE    S   SSW    SW   WSW    W   WNW    NW   NNW   ALL
1989   TOWER     ********************************************** PLUME HEADED **********************************************
1990    (M)        S    SSW    SW   WSW    W   WNW    NW   NNW    N   NNE    NE   ENE    E   ESE    SE   SSE   SUM
1991
1992     100.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1993     200.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1994     300.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1995     400.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1996     500.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1997     600.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1998     700.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
1999     800.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2000     900.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2001    1000.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2002    1100.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2003    1200.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2004    1300.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2005    1400.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2006    1500.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2007    1600.      .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
2008 1
2009
2010
2011      TOTAL RECORDS FOR SEASON SUMMER              =    4416
2012
2013      NUMBER OF STAGNANT CASES =    401
2014 1          ********************** FREQUENCY PERCENTAGE BY CATEGORY AND WIND DIRECTION **********************
2015                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
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SEASON=SUMMER

WIND FROM

CATEGORY NUMBER	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
PLUME HEADED	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
11	.68	.15	.33	.40	1.43	1.23	1.30	.83	1.18	.83	1.13	.85	1.20	.75	.53	.53	13.32
12	.58	.20	.06	.15	.44	.67	1.10	.49	1.60	.64	.41	.44	.58	.61	.52	.44	8.92
13	.24	.00	.06	.06	.42	1.08	.90	.90	1.55	.84	.72	.60	.72	.48	.24	.48	9.26
14	.05	.14	.43	.70	2.54	3.06	2.65	.86	.68	.29	.48	.61	.41	.36	.27	.07	13.59
15	.36	.36	1.06	1.92	3.99	5.57	4.57	1.38	1.47	.41	.45	.70	.54	.18	.23	.11	23.32
16	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
17	.00	.00	.00	.00	.05	.02	.00	.02	.02	.00	.02	.02	.00	.00	.00	.00	.16
18	.00	.00	.34	.16	.32	.66	.54	.20	.11	.05	.05	.00	.07	.02	.02	.00	2.54
19	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.07
20	.00	.02	.00	.00	.00	.02	.05	.07	.07	.05	.05	.09	.07	.09	.05	.07	.68
21	.02	.00	.00	.00	.02	.02	.07	.05	.09	.02	.07	.09	.05	.05	.02	.02	.59
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.02	.00	.02	.02	.07	.05	.05	.02	.00	.00	.02	.02	.02	.05	.07	.00	.43
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.02	.02	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.05	.05	.00	.18
27	.00	.00	.02	.02	.05	.05	.05	.02	.05	.00	.07	.02	.02	.02	.00	.05	.43
28	.00	.00	.00	.00	.02	.05	.00	.00	.09	.05	.02	.09	.05	.00	.00	.05	.41
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02
30	.05	.00	.00	.00	.02	.05	.05	.00	.05	.00	.02	.11	.07	.00	.00	.00	.41
31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
32	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.00	.09
33	.02	.02	.00	.00	.00	.05	.02	.05	.11	.07	.02	.05	.14	.07	.05	.02	.68
34	.02	.00	.02	.00	.00	.02	.07	.07	.14	.09	.00	.07	.09	.02	.00	.07	.68
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.07	.05	.02	.05	.07	.25	.23	.11	.34	.14	.11	.23	.25	.07	.23	.20	2.40
37	.11	.05	.05	.00	.09	.16	.14	.09	.18	.16	.23	.34	.23	.09	.07	.05	2.04
38	.11	.02	.02	.00	.09	.09	.16	.18	.34	.16	.29	.43	.36	.34	.29	.16	3.06
39	.11	.05	.02	.11	.05	.14	.07	.07	.34	.16	.27	.29	.36	.20	.11	.25	2.60
40	.09	.07	.02	.02	.00	.02	.02	.09	.25	.16	.18	.29	.18	.16	.11	.34	2.02
41	.28	.00	.02	.00	.05	.16	.18	.21	.58	.28	.46	.42	.25	.18	.44	.30	3.80
42	.09	.07	.00	.02	.09	.11	.11	.18	.32	.16	.34	.34	.18	.23	.11	.16	2.51
43	.25	.05	.00	.02	.02	.02	.14	.07	.14	.25	.23	.18	.16	.16	.16	.09	1.92
44	.09	.07	.02	.00	.16	.02	.16	.14	.66	.27	.32	.20	.25	.25	.34	.38	3.33
45	.02	.00	.02	.00	.02	.05	.00	.05	.09	.07	.05	.09	.07	.00	.00	.00	.52
TOTALS	3.29	1.33	2.55	3.69	10.00	13.60	12.64	6.14	10.43	5.14	6.02	6.58	6.36	4.49	3.92	3.82	100.00

1 STABILITY CLASS BY WIND DIRECTION

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SUMMER

WIND FROM

STABILITY CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
PLUME HEADED	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.01	.00	.01	.00	.00	.00	.01	.00	.01	.02	.01	.02	.01	.00	.01	.00	.02
2	.08	.09	.06	.06	.09	.07	.05	.06	.05	.08	.10	.06	.10	.10	.08	.05	.03
3	.14	.18	.24	.25	.31	.26	.27	.24	.16	.16	.18	.16	.17	.20	.14	.15	.09
4	.32	.45	.58	.54	.43	.45	.44	.39	.28	.22	.26	.21	.25	.27	.26	.24	.09
5	.28	.18	.08	.15	.14	.17	.17	.16	.30	.23	.19	.27	.19	.19	.23	.24	.13
6	.13	.11	.02	.01	.03	.04	.06	.13	.19	.25	.19	.24	.23	.17	.23	.23	.24
7	.04	.00	.02	.00	.00	.00	.01	.01	.02	.05	.06	.04	.06	.06	.05	.09	.40

WIND SPEED DISTRIBUTION BY DIRECTION AT REFERENCE HEIGHT OF 200. METERS

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SUMMER

WIND FROM

WIND	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW

RANGE — PLUME HEADED

	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.03	.02	.03	.01	.01	.00	.00	.02	.01	.03	.02	.03	.02	.05	.01	.03	1.00
2	.62	.46	.15	.11	.15	.13	.17	.34	.48	.60	.61	.46	.59	.61	.64	.72	.00
3	.35	.52	.83	.88	.84	.87	.83	.64	.52	.37	.38	.51	.39	.35	.35	.25	.00

COMBINED FACTORS BY WIND DIRECTION

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SUMMER

WIND FROM

COMBINED CLASS*	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
PLUME HEADED	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.01	.00	.01	.00	.00	.00	.00	.01	.00	.01	.00	.01	.01	.01	.00	.01	.14
2	.14	.12	.04	.03	.06	.04	.05	.10	.10	.15	.18	.11	.16	.19	.14	.15	.00
3	.08	.14	.25	.27	.35	.29	.27	.20	.11	.09	.11	.12	.11	.11	.08	.05	.00
4	.02	.01	.02	.00	.00	.00	.00	.01	.00	.01	.01	.01	.01	.02	.01	.01	.22
5	.37	.29	.10	.08	.08	.08	.10	.19	.27	.27	.27	.23	.26	.28	.31	.35	.00
6	.21	.32	.55	.61	.48	.54	.50	.36	.30	.17	.17	.25	.17	.16	.17	.12	.00
7	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.00	.01	.64
8	.10	.05	.01	.00	.00	.01	.01	.05	.10	.18	.15	.13	.17	.14	.18	.23	.00
9	.06	.06	.03	.01	.02	.04	.05	.09	.11	.11	.10	.14	.11	.08	.10	.08	.00

* COMBINED CLASSES ARE DEFINED AS FOLLOWS:
1=UNSTABLE, LOW WIND 2=UNSTABLE, MODERATE WIND 3=UNSTABLE, HIGH WIND
4=NEUTRAL, LOW WIND 5=NEUTRAL MODERATE WIND 6=NEUTRAL, HIGH WIND
7=STABLE, LOW WIND 8=STABLE, MODERATE WIND 9=STABLE, HIGH WIND

1 PLUME LENGTH FREQUENCY TABLE

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SUMMER

WIND FROM

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
PLUME HEADED	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
100.	3.29	1.33	2.55	3.69	10.00	13.60	12.64	6.14	10.43	5.14	6.02	6.58	6.36	4.49	3.92	3.82	100.00
200.	1.92	.68	.02	.02	.11	.14	.05	1.83	5.10	2.57	.02	.23	.16	.07	.07	2.50	15.49
300.	1.34	.48	.00	.02	.11	.14	.00	1.34	3.50	1.93	.00	.23	.16	.05	.00	2.07	11.36
400.	1.05	.32	.00	.00	.02	.05	.00	.98	2.71	1.50	.00	.09	.07	.00	.00	1.68	8.45
500.	.82	.25	.00	.00	.02	.05	.00	.73	2.03	1.18	.00	.09	.07	.00	.00	1.27	6.51
600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1500.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
1900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2500.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51

2146	2600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2147	2700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2148	2800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2149	2900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2150	3000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2151	3100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2152	3200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2153	3300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2154	3400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2155	3500.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2156	3600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2157	3700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2158	3800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2159	3900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2160	4000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2161	4100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2162	4200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2163	4300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2164	4400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2165	4500.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2166	4600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2167	4700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2168	4800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2169	4900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2170	5000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2171																		
2172																		

2173 1 ********** PLUME LENGTH FREQUENCY TABLE **********

2174 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2175 SEASON=SUMMER

2176	DISTANCE	********** WIND FROM **********																
2177	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2178	TOWER	********** PLUME HEADED **********																
2179	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
2180																		
2181	5100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2182	5200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2183	5300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2184	5400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2185	5500.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2186	5600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2187	5700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2188	5800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2189	5900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2190	6000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2191	6100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2192	6200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2193	6300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2194	6400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2195	6500.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2196	6600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2197	6700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2198	6800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2199	6900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2200	7000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2201	7100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2202	7200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2203	7300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2204	7400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2205	7500.	.45	.18	.00	.00	.02	.05	.00	.43	1.20	.75	.00	.09	.07	.00	.00	.63	3.87
2206	7600.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2207	7700.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2208	7800.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2209	7900.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2210	8000.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03

2211	8100.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	:00	.54	3.03
2212	8200.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2213	8300.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2214	8400.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2215	8500.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2216	8600.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2217	8700.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2218	8800.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2219	8900.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2220	9000.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2221	9100.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2222	9200.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2223	9300.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2224	9400.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2225	9500.	.20	.14	.00	.00	.02	.05	.00	.36	1.06	.50	.00	.09	.07	.00	.00	.54	3.03
2226	9600.	.11	.07	.00	.00	.02	.05	.00	.18	.75	.34	.00	.09	.07	.00	.00	.38	2.06
2227	9700.	.11	.07	.00	.00	.02	.05	.00	.18	.75	.34	.00	.09	.07	.00	.00	.38	2.06
2228	9800.	.11	.07	.00	.00	.02	.05	.00	.18	.75	.34	.00	.09	.07	.00	.00	.38	2.06
2229	9900.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2230	10000.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

2231 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

2232 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2233 SEASON=SUMMER

2234	HEIGHT	********** WIND FROM **********																
2235	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2236	TOWER	********** PLUME HEADED **********																
2237	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
2238																		
2239	10.	3.29	1.33	2.55	3.69	10.00	13.60	12.64	6.14	10.43	5.14	6.02	6.58	6.36	4.49	3.92	3.82	100.00
2240	20.	2.88	.83	2.21	3.53	9.64	12.92	12.09	3.67	8.15	4.39	5.95	6.56	6.29	4.47	3.90	3.64	91.12
2241	30.	2.88	.83	.05	.05	.29	.18	.05	3.67	8.15	4.39	.07	.61	.57	.48	.07	3.64	25.96
2242	40.	2.14	.68	.05	.02	.11	.14	.05	2.82	6.92	3.57	.07	.23	.16	.07	.07	3.12	20.20
2243	50.	1.90	.68	.00	.02	.11	.14	.00	1.93	5.37	2.73	.00	.23	.16	.05	.00	2.64	15.95
2244	60.	1.09	.38	.00	.02	.11	.14	.00	1.11	2.93	1.64	.00	.23	.16	.05	.00	1.82	9.68
2245	70.	1.09	.38	.00	.00	.02	.05	.00	1.11	2.93	1.64	.00	.09	.07	.00	.00	1.82	9.20
2246	80.	1.09	.38	.00	.00	.02	.05	.00	1.11	2.93	1.64	.00	.09	.07	.00	.00	1.82	9.20
2247	90.	.87	.29	.00	.00	.02	.05	.00	.80	2.18	1.27	.00	.09	.07	.00	.00	1.34	6.98
2248	100.	.77	.23	.00	.00	.02	.05	.00	.68	1.89	1.11	.00	.09	.07	.00	.00	.96	5.87
2249	110.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2250	120.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2251	130.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2252	140.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2253	150.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2254	160.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2255	170.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2256	180.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2257	190.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2258	200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2259	210.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2260	220.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2261	230.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2262	240.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2263	250.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2264	260.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2265	270.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2266	280.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2267	290.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2268	300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2269	310.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2270	320.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2271	330.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2272	340.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2273	350.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2274	360.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2275	370.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51

2276	380.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2277	390.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2278	400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2279	410.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2280	420.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2281	430.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2282	440.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2283	450.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2284	460.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2285	470.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2286	480.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2287	490.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2288	500.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51

2289 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

2290 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2291 SEASON=SUMMER

2292 HEIGHT ********** WIND FROM **********

2293	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2294	TOWER	********** PLUME HEADED **********																
2295	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
2296																		
2297	510.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2298	520.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2299	530.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2300	540.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2301	550.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2302	560.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2303	570.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2304	580.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2305	590.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2306	600.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2307	610.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2308	620.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2309	630.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2310	640.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2311	650.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2312	660.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2313	670.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2314	680.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2315	690.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2316	700.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2317	710.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2318	720.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2319	730.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2320	740.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2321	750.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2322	760.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2323	770.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2324	780.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2325	790.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2326	800.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2327	810.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2328	820.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2329	830.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2330	840.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2331	850.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2332	860.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2333	870.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2334	880.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2335	890.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2336	900.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2337	910.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2338	920.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2339	930.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2340	940.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51

2341	950.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2342	960.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2343	970.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2344	980.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2345	990.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2346	1000.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51

2347 1 ********** PLUME RADIUS FREQUENCY TABLE **********

2348 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2349 SEASON=SUMMER

2350	MAXIMUM	********** WIND FROM **********																
2351	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2352	TOWER	********** PLUME HEADED **********																
2353	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
2354																		
2355	5.	3.29	1.33	2.55	3.69	10.00	13.60	12.64	6.14	10.43	5.14	6.02	6.58	6.36	4.49	3.92	3.82	100.00
2356	10.	3.29	1.33	2.55	3.69	10.00	13.60	12.64	6.14	10.43	5.14	6.02	6.58	6.36	4.49	3.92	3.82	100.00
2357	15.	3.29	1.33	.09	.25	.64	1.00	.43	6.12	10.41	5.14	1.11	2.40	2.09	1.41	.57	3.82	40.08
2358	20.	3.29	1.33	.02	.05	.29	.18	.14	5.91	10.30	5.09	.27	.61	.57	.45	.16	3.82	32.48
2359	25.	2.57	1.04	.02	.00	.18	.07	.00	4.23	8.44	3.97	.05	.29	.32	.25	.00	3.23	24.66
2360	30.	2.21	.68	.02	.00	.02	.05	.00	2.84	6.97	3.57	.05	.09	.07	.00	.00	3.12	19.68
2361	35.	1.56	.48	.02	.00	.02	.05	.00	2.33	5.32	2.93	.05	.09	.07	.00	.00	2.68	15.59
2362	40.	1.11	.38	.02	.00	.02	.05	.00	1.18	3.16	1.77	.05	.09	.07	.00	.00	1.93	9.83
2363	45.	.84	.27	.00	.00	.02	.05	.00	.73	2.03	1.21	.00	.09	.07	.00	.00	1.27	6.57
2364	50.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2365	55.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2366	60.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2367	65.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2368	70.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2369	75.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2370	80.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2371	85.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2372	90.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2373	95.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2374	100.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2375	105.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2376	110.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2377	115.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2378	120.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2379	125.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2380	130.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2381	135.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2382	140.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2383	145.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2384	150.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2385	155.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2386	160.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2387	165.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2388	170.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2389	175.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2390	180.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2391	185.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2392	190.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2393	195.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2394	200.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2395	205.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2396	210.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2397	215.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2398	220.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2399	225.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2400	230.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2401	235.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2402	240.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2403	245.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
2404	250.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51

2405 1 ********** PLUME RADIUS FREQUENCY TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SUMMER

MAXIMUM FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
255.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
260.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
265.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
270.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
275.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
280.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
285.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
290.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
295.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
300.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
305.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
310.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
315.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
320.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
325.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
330.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
335.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
340.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
345.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
350.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
355.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
360.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
365.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
370.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
375.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
380.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
385.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
390.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
395.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
400.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
405.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
410.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
415.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
420.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
425.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
430.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
435.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
440.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
445.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
450.	.73	.18	.00	.00	.02	.05	.00	.64	1.78	1.02	.00	.09	.07	.00	.00	.93	5.51
455.	.73	.18	.00	.00	.00	.00	.00	.64	1.78	1.02	.00	.00	.00	.00	.00	.93	5.28
460.	.73	.18	.00	.00	.00	.00	.00	.64	1.78	1.02	.00	.00	.00	.00	.00	.93	5.28
465.	.73	.18	.00	.00	.00	.00	.00	.64	1.78	1.02	.00	.00	.00	.00	.00	.93	5.28
470.	.73	.18	.00	.00	.00	.00	.00	.64	1.78	1.02	.00	.00	.00	.00	.00	.93	5.28
475.	.62	.11	.00	.00	.00	.00	.00	.46	1.03	.68	.00	.00	.00	.00	.00	.55	3.45
480.	.62	.11	.00	.00	.00	.00	.00	.46	1.03	.68	.00	.00	.00	.00	.00	.55	3.45
485.	.62	.11	.00	.00	.00	.00	.00	.46	1.03	.68	.00	.00	.00	.00	.00	.55	3.45
490.	.62	.11	.00	.00	.00	.00	.00	.46	1.03	.68	.00	.00	.00	.00	.00	.55	3.45
495.	.62	.11	.00	.00	.00	.00	.00	.46	1.03	.68	.00	.00	.00	.00	.00	.55	3.45
500.	.62	.11	.00	.00	.00	.00	.00	.46	1.03	.68	.00	.00	.00	.00	.00	.55	3.45

1 HOURS OF PLUME SHADOWING TABLE

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=SUMMER

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG

2471	200.	56.6	64.8	68.3	103.0	153.3	117.8	90.7	81.4	69.8	72.8	88.1	123.3	166.1	114.2	70.5	61.7	93.9
2472	400.	19.7	28.5	34.2	66.2	28.0	31.8	21.3	20.3	31.3	33.8	24.6	24.6	32.7	39.7	15.0	17.3	29.3
2473	600.	11.6	17.7	22.7	24.7	12.0	15.9	11.3	13.9	20.2	19.5	10.0	11.7	11.2	38.9	3.6	5.8	15.7
2474	800.	7.7	12.6	16.9	16.8	11.4	6.3	7.1	9.4	15.4	14.0	7.0	7.2	5.1	28.1	.0	3.0	10.5
2475	1000.	4.8	12.0	13.5	8.2	7.4	6.3	7.1	7.4	12.4	11.0	6.2	5.0	3.9	21.9	.0	3.0	8.1
2476	1200.	3.9	12.0	12.6	6.8	6.4	5.7	5.7	7.4	9.4	10.0	5.5	3.0	2.2	18.3	.0	2.0	6.9
2477	1400.	3.9	11.0	11.2	5.2	5.4	5.7	3.0	7.4	9.4	10.0	5.5	3.0	2.2	13.3	.0	2.0	6.1
2478	1600.	2.0	11.0	10.6	5.2	5.4	5.7	3.0	7.4	7.4	10.0	4.5	3.0	2.2	11.0	.0	2.0	5.6
2479	1800.	2.0	11.0	10.6	3.6	5.4	5.7	3.0	7.4	7.4	10.0	4.5	3.0	2.2	7.3	.0	2.0	5.3
2480	2000.	2.0	8.2	10.0	3.6	5.4	5.7	2.0	7.4	7.4	10.0	4.5	3.0	2.2	3.2	.0	2.0	4.8
2481	2200.	2.0	8.2	10.0	3.6	5.4	5.7	2.0	7.4	7.4	10.0	4.5	3.0	2.2	1.3	.0	2.0	4.7
2482	2400.	2.0	8.2	9.0	3.6	5.4	5.7	2.0	7.4	7.4	10.0	4.5	2.2	2.2	1.3	.0	2.0	4.6
2483	2600.	2.0	8.2	8.0	3.0	4.4	5.7	2.0	6.4	7.4	10.0	4.5	2.2	2.2	.7	.0	1.0	4.2
2484	2800.	2.0	8.2	8.0	3.0	4.4	5.7	2.0	6.4	7.4	10.0	4.5	2.2	2.2	.0	.0	1.0	4.2
2485	3000.	2.0	8.2	8.0	3.0	4.4	5.7	2.0	6.4	7.4	9.0	4.5	2.2	2.2	.0	.0	1.0	4.1
2486	3200.	2.0	8.2	8.0	3.0	4.4	5.7	2.0	6.4	7.4	9.0	4.5	2.2	2.2	.0	.0	1.0	4.1
2487	3400.	2.0	8.2	8.0	3.0	3.4	5.7	2.0	5.4	7.4	8.0	4.5	1.5	2.2	.0	.0	1.0	3.9
2488	3600.	2.0	8.2	8.0	2.3	3.4	5.7	2.0	5.4	7.4	6.0	4.5	1.5	2.2	.0	.0	1.0	3.7
2489	3800.	2.0	8.2	8.0	2.3	3.4	5.7	2.0	5.4	7.4	6.0	4.5	1.5	2.2	.0	.0	1.0	3.7
2490	4000.	2.0	8.2	8.0	2.3	3.4	5.7	2.0	5.4	7.4	6.0	4.5	1.5	1.5	.0	.0	1.0	3.7
2491	4200.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	5.4	7.4	6.0	4.5	1.5	1.5	.0	.0	1.0	3.6
2492	4400.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	5.4	7.4	6.0	4.5	1.5	1.5	.0	.0	1.0	3.6
2493	4600.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	5.4	6.4	6.0	4.5	1.5	1.5	.0	.0	1.0	3.6
2494	4800.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	5.4	6.4	6.0	4.5	1.5	1.5	.0	.0	1.0	3.6
2495	5000.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	5.4	6.4	6.0	4.5	1.5	1.5	.0	.0	.0	3.5
2496	5200.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	5.4	6.4	6.0	4.5	1.5	1.5	.0	.0	.0	3.5
2497	5400.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	5.4	6.4	6.0	4.5	1.5	1.5	.0	.0	.0	3.5
2498	5600.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	4.4	5.4	6.0	4.5	1.5	1.5	.0	.0	.0	3.4
2499	5800.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	4.4	5.4	6.0	4.5	1.5	1.5	.0	.0	.0	3.4
2500	6000.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	4.4	5.4	6.0	4.5	1.5	1.5	.0	.0	.0	3.4
2501	6200.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	4.4	4.0	6.0	4.5	1.5	1.5	.0	.0	.0	3.3
2502	6400.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	4.4	4.0	6.0	4.5	1.5	1.5	.0	.0	.0	3.3
2503	6600.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	4.4	3.0	6.0	4.5	1.5	1.5	.0	.0	.0	3.2
2504	6800.	2.0	8.2	7.1	2.3	3.4	5.7	2.0	4.4	3.0	6.0	4.5	1.5	1.5	.0	.0	.0	3.2
2505	7000.	2.0	8.2	6.2	2.3	3.4	5.7	2.0	4.4	2.0	6.0	4.5	1.5	1.5	.0	.0	.0	3.1
2506	7200.	2.0	8.2	6.2	2.3	3.4	5.7	2.0	4.4	2.0	4.0	4.5	1.5	1.5	.0	.0	.0	3.0
2507	7400.	2.0	8.2	6.2	2.3	3.4	5.7	1.0	4.4	2.0	4.0	4.5	1.5	1.5	.0	.0	.0	2.9
2508	7600.	2.0	8.2	6.2	2.3	3.4	5.7	1.0	4.4	2.0	4.0	4.5	1.5	1.5	.0	.0	.0	2.9
2509	7800.	.0	8.2	6.2	2.3	3.4	5.7	1.0	4.4	1.0	4.0	4.5	1.5	1.5	.0	.0	.0	2.7
2510	8000.	.0	8.2	6.2	2.3	3.4	5.7	1.0	4.4	1.0	4.0	1.0	1.5	1.5	.0	.0	.0	2.5

2511 1 ********** TOTAL SOLAR ENERGY LOSS TABLE (MJ/M**2)**********

2512 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2513 SEASON=SUMMER

2514 DISTANCE ********** WIND FROM **********

2515		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2516	FROM TOWER	********** PLUME HEADED **********																
2517	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
2518																		
2519	200.	27.4	31.0	30.9	34.8	67.8	37.9	41.8	45.2	38.5	41.3	41.2	50.0	55.9	28.3	24.6	21.9	38.6
2520	400.	4.6	7.5	6.8	7.3	5.0	5.3	4.4	8.1	17.2	17.2	9.2	3.0	5.3	2.6	4.5	6.2	7.1
2521	600.	2.5	2.9	2.9	1.9	.8	2.3	1.5	5.9	9.9	12.0	3.4	1.6	1.4	.9	1.3	1.9	3.3
2522	800.	1.7	1.8	1.7	1.0	.8	.4	.8	5.6	8.8	8.5	2.1	1.2	.1	.6	.0	1.7	2.3
2523	1000.	.7	1.8	1.3	.2	.5	.4	.8	3.6	7.0	6.5	2.1	.9	.1	.5	.0	1.7	1.8
2524	1200.	.7	1.8	1.3	.2	.4	.4	.4	3.6	5.0	6.2	2.1	.5	.1	.4	.0	1.4	1.5
2525	1400.	.7	1.5	1.2	.1	.3	.4	.2	3.6	5.0	6.2	2.1	.5	.1	.3	.0	1.4	1.5
2526	1600.	.6	1.5	1.2	.1	.3	.4	.2	3.6	3.8	6.2	1.1	.5	.1	.2	.0	1.4	1.3
2527	1800.	.6	1.5	1.2	.0	.3	.4	.2	3.6	3.8	6.2	1.1	.5	.1	.1	.0	1.4	1.3
2528	2000.	.6	1.3	1.2	.0	.3	.4	.2	3.6	3.8	6.2	1.1	.5	.1	.0	.0	1.4	1.3
2529	2200.	.6	1.3	1.2	.0	.3	.4	.2	3.6	3.8	6.2	1.1	.5	.1	.0	.0	1.4	1.3
2530	2400.	.6	1.3	1.0	.0	.3	.4	.2	3.6	3.8	6.2	1.1	.5	.1	.0	.0	1.4	1.3
2531	2600.	.6	1.3	.9	.0	.2	.4	.2	3.5	3.8	6.2	1.1	.5	.1	.0	.0	.8	1.2
2532	2800.	.6	1.3	.9	.0	.2	.4	.2	3.5	3.8	6.2	1.1	.5	.1	.0	.0	.8	1.2
2533	3000.	.6	1.3	.9	.0	.2	.4	.2	3.5	3.8	5.7	1.1	.5	.1	.0	.0	.8	1.2
2534	3200.	.6	1.3	.9	.0	.2	.4	.2	3.5	3.8	5.7	1.1	.5	.1	.0	.0	.8	1.2
2535	3400.	.6	1.3	.9	.0	.2	.4	.2	3.2	3.8	5.4	1.1	.4	.1	.0	.0	.8	1.2

2536	3600.	.6	1.3	.9	.0	.2	.4	.2	3.2	3.8	4.3	1.1	.4	.1	.0	.0	.8	1.1
2537	3800.	.6	1.3	.9	.0	.2	.4	.2	3.2	3.8	4.3	1.1	.4	.1	.0	.0	.8	1.1
2538	4000.	.6	1.3	.9	.0	.2	.4	.2	3.2	3.8	4.3	1.1	.4	.0	.0	.0	.8	1.1
2539	4200.	.6	1.3	.8	.0	.2	.4	.2	3.2	3.8	4.3	1.1	.4	.0	.0	.0	.8	1.1
2540	4400.	.6	1.3	.8	.0	.2	.4	.2	3.2	3.8	4.3	1.1	.4	.0	.0	.0	.8	1.1
2541	4600.	.6	1.3	.8	.0	.2	.4	.2	3.2	2.6	4.3	1.1	.4	.0	.0	.0	.8	1.0
2542	4800.	.6	1.3	.8	.0	.2	.4	.2	3.2	2.6	4.3	1.1	.4	.0	.0	.0	.8	1.0
2543	5000.	.6	1.3	.8	.0	.2	.4	.2	3.2	2.6	4.3	1.1	.4	.0	.0	.0	.0	.9
2544	5200.	.6	1.3	.8	.0	.2	.4	.2	3.2	2.6	4.3	1.1	.4	.0	.0	.0	.0	.9
2545	5400.	.6	1.3	.8	.0	.2	.4	.2	3.2	2.6	4.3	1.1	.4	.0	.0	.0	.0	.9
2546	5600.	.6	1.3	.8	.0	.2	.4	.2	3.1	2.3	4.3	1.1	.4	.0	.0	.0	.0	.9
2547	5800.	.6	1.3	.8	.0	.2	.4	.2	3.1	2.3	4.3	1.1	.4	.0	.0	.0	.0	.9
2548	6000.	.6	1.3	.8	.0	.2	.4	.2	3.1	2.3	4.3	1.1	.4	.0	.0	.0	.0	.9
2549	6200.	.6	1.3	.8	.0	.2	.4	.2	3.1	1.8	4.3	1.1	.4	.0	.0	.0	.0	.9
2550	6400.	.6	1.3	.8	.0	.2	.4	.2	3.1	1.8	4.3	1.1	.4	.0	.0	.0	.0	.9
2551	6600.	.6	1.3	.8	.0	.2	.4	.2	3.1	1.3	4.3	1.1	.4	.0	.0	.0	.0	.9
2552	6800.	.6	1.3	.8	.0	.2	.4	.2	3.1	1.3	4.3	1.1	.4	.0	.0	.0	.0	.9
2553	7000.	.6	1.3	.8	.0	.2	.4	.2	3.1	.8	4.3	1.1	.4	.0	.0	.0	.0	.8
2554	7200.	.6	1.3	.8	.0	.2	.4	.2	3.1	.8	3.9	1.1	.4	.0	.0	.0	.0	.8
2555	7400.	.6	1.3	.8	.0	.2	.4	.1	3.1	.8	3.9	1.1	.4	.0	.0	.0	.0	.8
2556	7600.	.6	1.3	.8	.0	.2	.4	.1	3.1	.8	3.9	1.1	.4	.0	.0	.0	.0	.8
2557	7800.	.0	1.3	.8	.0	.2	.4	.1	3.1	.6	3.9	1.1	.4	.0	.0	.0	.0	.7
2558	8000.	.0	1.3	.8	.0	.2	.4	.1	3.1	.6	3.9	.2	.4	.0	.0	.0	.0	.7

2559 1 ********** PERCENT TOTAL ENERGY LOSS TABLE **********

2560 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2561 SEASON=SUMMER

2562	DISTANCE	********** WIND FROM **********															
2563	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2564	TOWER	********** PLUME HEADED **********															
2565	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
2566																		
2567	200.	.7	.8	.8	.9	1.7	1.0	1.1	1.2	1.0	1.1	1.1	1.3	1.4	.7	.6	.6	1.0
2568	400.	.1	.2	.2	.2	.1	.1	.1	.2	.4	.4	.2	.1	.1	.1	.1	.2	.2
2569	600.	.1	.1	.1	.0	.0	.1	.0	.2	.3	.3	.1	.0	.0	.0	.0	.0	.1
2570	800.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.1
2571	1000.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
2572	1200.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0
2573	1400.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0
2574	1600.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2575	1800.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2576	2000.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2577	2200.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2578	2400.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2579	2600.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2580	2800.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2581	3000.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2582	3200.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2583	3400.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2584	3600.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2585	3800.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2586	4000.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2587	4200.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2588	4400.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2589	4600.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2590	4800.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2591	5000.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2592	5200.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2593	5400.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2594	5600.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2595	5800.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2596	6000.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
2597	6200.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2598	6400.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2599	6600.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2600	6800.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0

2601	7000.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2602	7200.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2603	7400.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2604	7600.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2605	7800.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
2606	8000.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0

2607 1 ********** PERCENT BEAM ENERGY LOSS TABLE **********

2608 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2609 SEASON=SUMMER

2610 DISTANCE ********** WIND FROM **********

2611 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2612 TOWER	********** PLUME HEADED **********																
2613 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
2614																	
2615 200.	1.2	1.3	1.3	1.5	2.9	1.6	1.8	2.0	1.7	1.8	1.8	2.2	2.4	1.2	1.1	.9	1.7
2616 400.	.2	.3	.3	.3	.2	.2	.2	.4	.7	.7	.4	.1	.2	.1	.2	.3	.3
2617 600.	.1	.1	.1	.1	.0	.1	.1	.3	.4	.5	.1	.1	.1	.0	.1	.1	.1
2618 800.	.1	.1	.1	.0	.0	.0	.0	.2	.4	.4	.1	.1	.0	.0	.0	.1	.1
2619 1000.	.0	.1	.1	.0	.0	.0	.0	.2	.3	.3	.1	.0	.0	.0	.0	.1	.1
2620 1200.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.3	.1	.0	.0	.0	.0	.1	.1
2621 1400.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.3	.1	.0	.0	.0	.0	.1	.1
2622 1600.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	.0	.1	.1
2623 1800.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	.0	.1	.1
2624 2000.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	.0	.1	.1
2625 2200.	.0	.1	.1	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	.0	.1	.1
2626 2400.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	.0	.1	.1
2627 2600.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	.0	.0	.1
2628 2800.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	.0	.0	.1
2629 3000.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.1
2630 3200.	.0	.1	.0	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.1
2631 3400.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
2632 3600.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
2633 3800.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
2634 4000.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
2635 4200.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
2636 4400.	.0	.1	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
2637 4600.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2638 4800.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2639 5000.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2640 5200.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2641 5400.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2642 5600.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2643 5800.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2644 6000.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2645 6200.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2646 6400.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2647 6600.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2648 6800.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
2649 7000.	.0	.1	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0
2650 7200.	.0	.1	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0
2651 7400.	.0	.1	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0
2652 7600.	.0	.1	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0
2653 7800.	.0	.1	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0
2654 8000.	.0	.1	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0

2655 1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

2656 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2657 SEASON=SUMMER

2658 DISTANCE ********** WIND FROM **********

2659 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2660 TOWER	********** PLUME HEADED **********																
2661 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
2662																	
2663 100.	11.84	6.47	.63	1.96	6.31	8.98	3.52	38.61	47.98	21.02	1.95	6.36	6.78	4.89	1.21	11.99	11.28
2664 200.	19.64	14.35	1.95	3.54	10.29	14.04	9.04	91.79	98.76	38.91	3.06	7.85	8.07	5.80	1.87	17.62	21.66
2665 300.	7.41	2.78	1.89	2.68	7.18	9.99	8.75	33.27	41.04	19.25	3.01	4.56	4.09	2.78	1.84	10.80	10.08

2666	400.	1.73	.26	1.33	1.71	4.60	6.63	6.72	5.09	8.21	3.98	3.43	2.55	2.37	1.55	1.86	2.60	3.41
2667	500.	.97	.23	.92	1.67	4.42	6.23	4.40	1.14	2.75	1.38	1.74	2.38	2.16	1.40	1.01	1.18	2.12
2668	600.	.76	.19	.77	1.08	2.96	4.27	3.94	.99	2.39	1.16	1.35	2.06	1.93	1.26	.76	.97	1.68
2669	700.	.64	.17	.39	.28	.95	1.62	2.26	.93	2.19	1.08	1.17	1.56	1.57	1.06	.66	.88	1.09
2670	800.	.60	.17	.22	.19	.72	1.23	1.33	.93	2.14	1.08	1.01	1.10	1.14	.72	.57	.88	.88
2671	900.	.60	.17	.21	.13	.57	.97	1.25	.93	2.14	1.08	.90	.72	.75	.45	.50	.88	.77
2672	1000.	.60	.17	.18	.07	.35	.75	1.13	.93	2.14	1.08	.75	.51	.50	.32	.41	.88	.67
2673	1100.	.60	.17	.16	.07	.32	.72	.88	.93	2.14	1.08	.54	.41	.45	.30	.24	.88	.62
2674	1200.	.60	.17	.15	.07	.31	.71	.82	.93	2.14	1.08	.44	.38	.44	.28	.16	.88	.60
2675	1300.	.60	.17	.14	.06	.27	.60	.69	.93	2.14	1.08	.34	.32	.36	.23	.13	.88	.56
2676	1400.	.59	.17	.12	.04	.11	.19	.38	.92	2.11	1.06	.09	.09	.09	.05	.05	.86	.43
2677	1500.	.57	.15	.12	.04	.11	.19	.37	.88	2.00	1.02	.09	.09	.09	.05	.05	.79	.41
2678	1600.	.40	.09	.12	.04	.11	.19	.37	.74	1.54	.83	.09	.09	.09	.05	.05	.67	.34
2679	1700.	.36	.08	.12	.04	.11	.19	.37	.70	1.42	.79	.09	.09	.09	.05	.05	.63	.32
2680	1800.	.31	.06	.12	.04	.11	.19	.37	.61	1.26	.68	.09	.09	.09	.05	.05	.56	.29
2681	1900.	.26	.04	.12	.04	.11	.19	.37	.55	1.09	.59	.09	.09	.09	.05	.05	.46	.26
2682	2000.	.22	.01	.12	.04	.11	.19	.37	.49	.95	.52	.09	.09	.09	.05	.05	.35	.23
2683	2100.	.19	.01	.05	.04	.11	.19	.26	.46	.84	.46	.08	.09	.09	.05	.04	.28	.20
2684	2200.	.15	.01	.05	.04	.11	.19	.26	.41	.73	.42	.08	.09	.09	.05	.04	.24	.19
2685	2300.	.15	.01	.05	.04	.11	.19	.26	.41	.73	.42	.08	.09	.09	.05	.04	.24	.19
2686	2400.	.09	.01	.05	.04	.11	.19	.26	.19	.34	.21	.08	.09	.09	.05	.04	.12	.12
2687	2500.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2688	2600.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2689	2700.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2690	2800.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2691	2900.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2692	3000.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2693	3100.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2694	3200.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2695	3300.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.09	.05	.04	.05	.09
2696	3400.	.03	.00	.05	.04	.11	.19	.26	.08	.16	.09	.08	.09	.08	.05	.04	.05	.09
2697	3500.	.03	.00	.05	.04	.11	.18	.26	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2698	3600.	.03	.00	.05	.04	.11	.18	.26	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2699	3700.	.03	.00	.05	.04	.11	.18	.26	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2700	3800.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2701	3900.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2702	4000.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2703	4100.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2704	4200.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2705	4300.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2706	4400.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2707	4500.	.03	.00	.05	.04	.11	.18	.25	.08	.16	.09	.08	.08	.08	.05	.04	.05	.09
2708	4600.	.03	.00	.02	.04	.11	.18	.11	.08	.16	.09	.07	.08	.08	.05	.03	.05	.07
2709	4700.	.03	.00	.01	.04	.11	.18	.07	.08	.16	.09	.06	.08	.08	.05	.03	.05	.07
2710	4800.	.03	.00	.01	.04	.11	.18	.07	.08	.16	.09	.06	.08	.08	.05	.03	.05	.07
2711	4900.	.03	.00	.01	.04	.11	.18	.07	.08	.16	.09	.06	.08	.08	.05	.03	.05	.07
2712	5000.	.03	.00	.01	.04	.11	.18	.07	.08	.16	.09	.06	.08	.07	.04	.03	.05	.07

2713 1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

2714 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2715 SEASON=SUMMER

2716 DISTANCE	********** WIND FROM **********																
2717 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2718 TOWER	********** PLUME HEADED **********																
2719 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
2720																	
2721 5100.	.03	.00	.01	.04	.11	.18	.07	.08	.16	.09	.06	.08	.07	.04	.03	.05	.07
2722 5200.	.03	.00	.01	.04	.11	.18	.07	.08	.16	.09	.06	.08	.07	.04	.03	.05	.07
2723 5300.	.03	.00	.01	.04	.11	.18	.07	.08	.16	.09	.06	.08	.07	.04	.03	.05	.07
2724 5400.	.02	.00	.01	.04	.11	.18	.07	.08	.14	.08	.06	.08	.07	.04	.03	.05	.07
2725 5500.	.02	.00	.01	.04	.11	.18	.07	.08	.14	.08	.06	.08	.07	.04	.03	.05	.07
2726 5600.	.02	.00	.01	.04	.11	.18	.07	.08	.14	.08	.06	.08	.07	.04	.03	.05	.07
2727 5700.	.02	.00	.01	.04	.11	.18	.07	.08	.14	.08	.06	.08	.07	.04	.03	.05	.07
2728 5800.	.02	.00	.01	.04	.10	.18	.07	.08	.14	.08	.06	.07	.07	.04	.03	.05	.07
2729 5900.	.02	.00	.01	.04	.10	.18	.07	.08	.14	.08	.06	.07	.07	.04	.03	.05	.06
2730 6000.	.02	.00	.01	.04	.10	.18	.06	.08	.14	.08	.06	.07	.07	.04	.02	.05	.06

2731	6100.	.02	.00	.01	.04	.10	.18	.06	.08	.14	.07	.06	.07	.07	.04	.02	.04	.06
2732	6200.	.02	.00	.01	.04	.10	.18	.06	.08	.14	.07	.06	.07	.07	.04	.02	.04	.06
2733	6300.	.02	.00	.01	.04	.10	.17	.06	.07	.13	.07	.06	.06	.07	.04	.02	.04	.06
2734	6400.	.02	.00	.01	.04	.10	.17	.06	.07	.13	.07	.06	.06	.07	.04	.02	.04	.06
2735	6500.	.02	.00	.00	.04	.10	.17	.03	.07	.13	.07	.03	.06	.07	.04	.01	.04	.06
2736	6600.	.02	.00	.00	.04	.08	.13	.02	.07	.13	.07	.02	.03	.03	.02	.01	.04	.05
2737	6700.	.02	.00	.00	.04	.08	.13	.02	.06	.11	.06	.02	.03	.03	.02	.01	.03	.04
2738	6800.	.00	.00	.00	.03	.06	.10	.02	.01	.02	.01	.02	.03	.03	.02	.01	.01	.02
2739	6900.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2740	7000.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2741	7100.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2742	7200.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2743	7300.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2744	7400.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2745	7500.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2746	7600.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2747	7700.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2748	7800.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2749	7900.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2750	8000.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2751	8100.	.00	.00	.00	.00	.01	.03	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2752	8200.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2753	8300.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2754	8400.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2755	8500.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2756	8600.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2757	8700.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2758	8800.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2759	8900.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2760	9000.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2761	9100.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2762	9200.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2763	9300.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2764	9400.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2765	9500.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2766	9600.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2767	9700.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2768	9800.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2769	9900.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01
2770	10000.	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01

2771 1 ********** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

2772 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2773 SEASON=SUMMER

2774 DISTANCE ********** WIND FROM **********

2775	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
2776	TOWER	********** PLUME HEADED **********																
2777	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
2778																		
2779	100.	.12E+04	.63E+03	.60E+02	.18E+03	.58E+03	.83E+03	.33E+03	.38E+04	.47E+04	.20E+04	.18E+04	.60E+03	.63E+03	.46E+03	.11E+03	.12E+04	.11E+04
2780	200.	.19E+04	.14E+04	.19E+03	.33E+03	.94E+03	.13E+04	.87E+03	.88E+04	.93E+04	.36E+04	.29E+03	.73E+03	.75E+03	.54E+03	.18E+03	.16E+04	.20E+04
2781	300.	.61E+03	.27E+03	.18E+03	.24E+03	.64E+03	.90E+03	.84E+03	.29E+04	.33E+04	.15E+04	.28E+03	.41E+03	.36E+03	.25E+03	.17E+03	.82E+03	.85E+03
2782	400.	.12E+03	.22E+02	.13E+03	.13E+03	.36E+03	.52E+03	.61E+03	.36E+03	.54E+03	.25E+03	.30E+03	.21E+03	.19E+03	.12E+03	.17E+03	.17E+03	.26E+03
2783	500.	.74E+02	.18E+02	.84E+02	.13E+03	.33E+03	.46E+03	.37E+03	.62E+02	.17E+03	.83E+02	.13E+03	.16E+03	.14E+03	.95E+02	.82E+02	.80E+02	.15E+03
2784	600.	.52E+02	.15E+02	.70E+02	.81E+02	.21E+03	.30E+03	.33E+03	.48E+02	.13E+03	.61E+02	.93E+02	.14E+03	.12E+03	.84E+02	.59E+02	.60E+02	.12E+03
2785	700.	.40E+02	.13E+02	.30E+02	.17E+02	.53E+02	.86E+02	.16E+03	.41E+02	.11E+03	.53E+02	.75E+02	.97E+02	.95E+02	.68E+02	.48E+02	.51E+02	.65E+02
2786	800.	.36E+02	.13E+02	.15E+02	.10E+02	.34E+02	.54E+02	.70E+02	.41E+02	.11E+03	.53E+02	.61E+02	.57E+02	.58E+02	.39E+02	.40E+02	.51E+02	.46E+02
2787	900.	.36E+02	.13E+02	.14E+02	.53E+01	.22E+02	.34E+02	.62E+02	.41E+02	.11E+03	.53E+02	.51E+02	.28E+02	.29E+02	.17E+02	.33E+02	.51E+02	.37E+02
2788	1000.	.36E+02	.13E+02	.12E+02	.24E+01	.11E+02	.23E+02	.55E+02	.41E+02	.11E+03	.53E+02	.37E+02	.16E+02	.16E+02	.10E+02	.26E+02	.51E+02	.32E+02
2789	1100.	.36E+02	.13E+02	.10E+02	.24E+01	.99E+01	.22E+02	.38E+02	.41E+02	.11E+03	.53E+02	.21E+02	.12E+02	.14E+02	.92E+01	.12E+02	.51E+02	.28E+02
2790	1200.	.36E+02	.13E+02	.98E+01	.22E+01	.96E+01	.22E+02	.34E+02	.41E+02	.11E+03	.53E+02	.14E+02	.11E+02	.13E+02	.85E+01	.56E+01	.51E+02	.27E+02
2791	1300.	.36E+02	.13E+02	.95E+01	.20E+01	.82E+01	.18E+02	.30E+02	.41E+02	.11E+03	.53E+02	.11E+02	.94E+01	.11E+02	.69E+01	.44E+01	.51E+02	.25E+02
2792	1400.	.35E+02	.12E+02	.88E+01	.12E+01	.29E+01	.41E+01	.19E+02	.40E+02	.10E+03	.52E+02	.26E+01	.17E+01	.14E+01	.78E+00	.17E+01	.49E+02	.21E+02
2793	1500.	.33E+02	.11E+02	.88E+01	.12E+01	.29E+01	.41E+01	.19E+02	.37E+02	.91E+02	.47E+02	.26E+01	.17E+01	.14E+01	.78E+00	.17E+01	.42E+02	.19E+02
2794	1600.	.24E+02	.76E+01	.88E+01	.12E+01	.29E+01	.41E+01	.19E+02	.29E+02	.66E+02	.37E+02	.26E+01	.17E+01	.14E+01	.78E+00	.17E+01	.35E+02	.15E+02
2795	1700.	.21E+02	.67E+01	.88E+01	.12E+01	.29E+01	.41E+01	.19E+02	.27E+02	.59E+02	.34E+02	.26E+01	.17E+01	.14E+01	.78E+00	.17E+01	.33E+02	.14E+02

1800.	.18E+02	.51E+01	.88E+01	.12E+01	.29E+01	.41E+01	.19E+02	.22E+02	.51E+02	.28E+02	.26E+01	.17E+01	.14E+01	.78E+00	.17E+01	.30E+02	.12E+02
1900.	.14E+02	.36E+01	.88E+01	.12E+01	.29E+01	.41E+01	.19E+02	.17E+02	.37E+02	.21E+02	.26E+01	.17E+01	.14E+01	.78E+00	.17E+01	.21E+02	.99E+01
2000.	.10E+02	.12E+01	.88E+01	.12E+01	.29E+01	.41E+01	.19E+02	.11E+02	.25E+02	.15E+02	.26E+01	.17E+01	.14E+01	.78E+00	.17E+01	.11E+02	.74E+01
2100.	.75E+01	.61E+00	.19E+01	.12E+01	.29E+01	.41E+01	.81E+01	.86E+01	.18E+02	.11E+02	.16E+01	.17E+01	.14E+01	.78E+00	.12E+01	.73E+01	.49E+01
2200.	.46E+01	.61E+00	.19E+01	.12E+01	.29E+01	.41E+01	.81E+01	.62E+01	.11E+02	.82E+01	.16E+01	.17E+01	.14E+01	.78E+00	.12E+01	.41E+01	.37E+01
2300.	.46E+01	.61E+00	.19E+01	.12E+01	.29E+01	.41E+01	.81E+01	.62E+01	.11E+02	.82E+01	.16E+01	.17E+01	.14E+01	.78E+00	.12E+01	.41E+01	.37E+01
2400.	.37E+01	.61E+00	.19E+01	.12E+01	.28E+01	.41E+01	.81E+01	.27E+01	.51E+01	.49E+01	.16E+01	.17E+01	.14E+01	.76E+00	.12E+01	.23E+01	.28E+01
2500.	.18E+00	.49E-01	.19E+01	.12E+01	.28E+01	.41E+01	.81E+01	.41E+00	.90E+00	.47E+00	.16E+01	.17E+01	.14E+01	.76E+00	.12E+01	.36E+00	.17E+01
2600.	.18E+00	.49E-01	.19E+01	.12E+01	.28E+01	.41E+01	.81E+01	.41E+00	.90E+00	.47E+00	.16E+01	.17E+01	.14E+01	.74E+00	.12E+01	.36E+00	.17E+01
2700.	.18E+00	.49E-01	.19E+01	.12E+01	.28E+01	.41E+01	.81E+01	.41E+00	.90E+00	.47E+00	.16E+01	.17E+01	.14E+01	.73E+00	.12E+01	.36E+00	.17E+01
2800.	.18E+00	.49E-01	.19E+01	.12E+01	.28E+01	.41E+01	.81E+01	.41E+00	.90E+00	.47E+00	.16E+01	.17E+01	.14E+01	.73E+00	.12E+01	.36E+00	.17E+01
2900.	.18E+00	.49E-01	.19E+01	.12E+01	.28E+01	.41E+01	.81E+01	.41E+00	.90E+00	.47E+00	.16E+01	.17E+01	.14E+01	.73E+00	.12E+01	.36E+00	.17E+01
3000.	.18E+00	.49E-01	.19E+01	.12E+01	.28E+01	.41E+01	.81E+01	.41E+00	.90E+00	.47E+00	.16E+01	.17E+01	.14E+01	.73E+00	.12E+01	.36E+00	.17E+01
3100.	.18E+00	.49E-01	.18E+01	.12E+01	.28E+01	.41E+01	.79E+01	.41E+00	.90E+00	.47E+00	.15E+01	.17E+01	.14E+01	.73E+00	.92E+00	.36E+00	.17E+01
3200.	.18E+00	.49E-01	.18E+01	.12E+01	.28E+01	.41E+01	.78E+01	.41E+00	.90E+00	.47E+00	.15E+01	.17E+01	.14E+01	.73E+00	.86E+00	.36E+00	.16E+01
3300.	.18E+00	.49E-01	.18E+01	.12E+01	.28E+01	.41E+01	.78E+01	.41E+00	.90E+00	.47E+00	.15E+01	.17E+01	.14E+01	.73E+00	.86E+00	.36E+00	.16E+01
3400.	.18E+00	.49E-01	.18E+01	.12E+01	.28E+01	.40E+01	.78E+01	.41E+00	.90E+00	.47E+00	.15E+01	.14E+01	.12E+01	.72E+00	.86E+00	.36E+00	.16E+01
3500.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.78E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
3600.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.78E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
3700.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.78E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
3800.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.78E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
3900.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.77E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
4000.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.77E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
4100.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.77E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
4200.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.77E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
4300.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.77E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
4400.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.77E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
4500.	.18E+00	.49E-01	.18E+01	.12E+01	.26E+01	.39E+01	.77E+01	.41E+00	.90E+00	.47E+00	.15E+01	.13E+01	.12E+01	.62E+00	.86E+00	.36E+00	.16E+01
4600.	.18E+00	.49E-01	.43E+00	.12E+01	.26E+01	.39E+01	.20E+01	.41E+00	.90E+00	.47E+00	.89E+00	.13E+01	.12E+01	.62E+00	.58E+00	.36E+00	.11E+01
4700.	.18E+00	.49E-01	.99E-01	.12E+01	.26E+01	.39E+01	.59E+00	.41E+00	.90E+00	.47E+00	.75E+00	.13E+01	.12E+01	.62E+00	.51E+00	.36E+00	.94E+00
4800.	.18E+00	.49E-01	.99E-01	.12E+01	.26E+01	.39E+01	.59E+00	.41E+00	.90E+00	.47E+00	.75E+00	.13E+01	.12E+01	.62E+00	.51E+00	.36E+00	.94E+00
4900.	.18E+00	.49E-01	.99E-01	.12E+01	.26E+01	.39E+01	.59E+00	.41E+00	.90E+00	.47E+00	.75E+00	.13E+01	.12E+01	.62E+00	.51E+00	.36E+00	.94E+00
5000.	.18E+00	.49E-01	.99E-01	.12E+01	.26E+01	.39E+01	.59E+00	.41E+00	.90E+00	.47E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.36E+00	.94E+00

1 ********************************** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********************************

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

SEASON=SUMMER

DISTANCE	***	***	***	***	***	***	***	***	WIND FROM	***	***	***	***	***	***	***	***
FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
TOWER	***	***	***	***	***	***	***	***	PLUME HEADED	***	***	***	***	***	***	***	***
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5100.	.18E+00	.49E-01	.99E-01	.12E+01	.26E+01	.39E+01	.59E+00	.41E+00	.90E+00	.47E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.36E+00	.94E+00
5200.	.18E+00	.49E-01	.99E-01	.12E+01	.26E+01	.39E+01	.59E+00	.41E+00	.90E+00	.47E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.36E+00	.94E+00
5300.	.18E+00	.49E-01	.97E-01	.12E+01	.26E+01	.39E+01	.58E+00	.41E+00	.90E+00	.47E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.36E+00	.94E+00
5400.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.39E+01	.56E+00	.37E+00	.83E+00	.43E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.33E+00	.92E+00
5500.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.39E+01	.56E+00	.37E+00	.83E+00	.43E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.33E+00	.92E+00
5600.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.39E+01	.56E+00	.37E+00	.83E+00	.43E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.33E+00	.92E+00
5700.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.39E+01	.56E+00	.37E+00	.83E+00	.43E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.33E+00	.92E+00
5800.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.38E+01	.56E+00	.37E+00	.83E+00	.43E+00	.75E+00	.13E+01	.11E+01	.60E+00	.51E+00	.33E+00	.92E+00
5900.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.38E+01	.56E+00	.37E+00	.83E+00	.43E+00	.74E+00	.13E+01	.11E+01	.60E+00	.50E+00	.33E+00	.92E+00
6000.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.38E+01	.55E+00	.37E+00	.83E+00	.43E+00	.74E+00	.13E+01	.11E+01	.59E+00	.50E+00	.33E+00	.91E+00
6100.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.38E+01	.55E+00	.37E+00	.81E+00	.42E+00	.74E+00	.13E+01	.11E+01	.59E+00	.50E+00	.32E+00	.91E+00
6200.	.17E+00	.49E-01	.90E-01	.12E+01	.26E+01	.38E+01	.55E+00	.37E+00	.81E+00	.41E+00	.74E+00	.13E+01	.11E+01	.59E+00	.50E+00	.31E+00	.91E+00
6300.	.16E+00	.49E-01	.90E-01	.12E+01	.25E+01	.37E+01	.55E+00	.37E+00	.79E+00	.41E+00	.74E+00	.10E+01	.94E+00	.52E+00	.50E+00	.31E+00	.87E+00
6400.	.16E+00	.49E-01	.90E-01	.12E+01	.25E+01	.37E+01	.55E+00	.36E+00	.78E+00	.41E+00	.74E+00	.10E+01	.94E+00	.52E+00	.50E+00	.31E+00	.86E+00
6500.	.16E+00	.49E-01	.82E-01	.12E+01	.25E+01	.37E+01	.43E+00	.36E+00	.78E+00	.41E+00	.64E+00	.10E+01	.94E+00	.52E+00	.47E+00	.31E+00	.85E+00
6600.	.16E+00	.49E-01	.82E-01	.12E+01	.25E+01	.36E+01	.42E+00	.36E+00	.78E+00	.41E+00	.63E+00	.92E+00	.83E+00	.45E+00	.47E+00	.31E+00	.82E+00
6700.	.15E+00	.49E-01	.82E-01	.12E+01	.25E+01	.36E+01	.42E+00	.32E+00	.71E+00	.37E+00	.63E+00	.92E+00	.83E+00	.45E+00	.47E+00	.28E+00	.80E+00
6800.	.11E+00	.49E-01	.82E-01	.84E+00	.18E+01	.27E+01	.42E+00	.15E+00	.42E+00	.22E+00	.63E+00	.80E+00	.74E+00	.42E+00	.47E+00	.20E+00	.63E+00
6900.	.11E+00	.49E-01	.82E-01	.11E+00	.31E+00	.54E+00	.42E+00	.15E+00	.42E+00	.22E+00	.63E+00	.53E+00	.54E+00	.36E+00	.47E+00	.20E+00	.32E+00
7000.	.11E+00	.49E-01	.73E-01	.11E+00	.31E+00	.54E+00	.39E+00	.15E+00	.42E+00	.22E+00	.59E+00	.53E+00	.54E+00	.36E+00	.45E+00	.20E+00	.31E+00
7100.	.11E+00	.49E-01	.53E-01	.11E+00	.31E+00	.54E+00	.33E+00	.15E+00	.42E+00	.22E+00	.49E+00	.53E+00	.54E+00	.36E+00	.42E+00	.20E+00	.30E+00
7200.	.11E+00	.49E-01	.53E-01	.11E+00	.30E+00	.52E+00	.33E+00	.15E+00	.42E+00	.22E+00	.49E+00	.52E+00	.52E+00	.35E+00	.42E+00	.20E+00	.30E+00
7300.	.11E+00	.49E-01	.53E-01	.85E-01	.27E+00	.40E+00	.33E+00	.15E+00	.42E+00	.22E+00	.49E+00	.41E+00	.40E+00	.32E+00	.42E+00	.20E+00	.27E+00
7400.	.11E+00	.49E-01	.53E-01	.85E-01	.27E+00	.40E+00	.33E+00	.15E+00	.42E+00	.22E+00	.49E+00	.41E+00	.40E+00	.32E+00	.42E+00	.20E+00	.27E+00

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 2861    7500. .11E+00.49E-01.53E-01.85E-01.27E+00.40E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.40E+00.32E+00.42E+00.20E+00.27E+00
 2862    7600. .11E+00.49E-01.53E-01.85E-01.27E+00.40E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.40E+00.32E+00.42E+00.20E+00.27E+00
 2863    7700. .11E+00.49E-01.53E-01.85E-01.27E+00.40E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.40E+00.32E+00.42E+00.20E+00.27E+00
 2864    7800. .11E+00.49E-01.53E-01.85E-01.27E+00.40E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.40E+00.32E+00.42E+00.20E+00.27E+00
 2865    7900. .11E+00.49E-01.53E-01.85E-01.27E+00.40E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.40E+00.32E+00.42E+00.20E+00.27E+00
 2866    8000. .11E+00.49E-01.53E-01.85E-01.27E+00.40E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.40E+00.32E+00.42E+00.20E+00.27E+00
 2867    8100. .11E+00.49E-01.53E-01.85E-01.27E+00.40E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.40E+00.32E+00.42E+00.20E+00.27E+00
 2868    8200. .11E+00.49E-01.53E-01.56E-01.21E+00.28E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.39E+00.31E+00.42E+00.20E+00.26E+00
 2869    8300. .11E+00.49E-01.53E-01.26E-01.15E+00.16E+00.33E+00.15E+00.42E+00.22E+00.49E+00.41E+00.37E+00.31E+00.42E+00.20E+00.24E+00
 2870    8400. .11E+00.49E-01.50E-01.26E-01.15E+00.16E+00.29E+00.15E+00.42E+00.22E+00.47E+00.41E+00.37E+00.31E+00.39E+00.20E+00.24E+00
 2871    8500. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2872    8600. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2873    8700. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2874    8800. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2875    8900. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2876    9000. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2877    9100. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2878    9200. .11E+00.49E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.22E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.23E+00
 2879    9300. .10E+00.43E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2880    9400. .98E-01.41E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2881    9500. .98E-01.41E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2882    9600. .98E-01.41E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2883    9700. .98E-01.41E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2884    9800. .98E-01.41E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2885    9900. .98E-01.41E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2886   10000. .98E-01.41E-01.44E-01.26E-01.15E+00.16E+00.24E+00.15E+00.42E+00.21E+00.44E+00.41E+00.37E+00.31E+00.33E+00.20E+00.22E+00
 2887 1          ********************************** HOURS OF PLUME FOGGING TABLE **********************************
 2888                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
 2889                 SEASON=SUMMER
 2890 DISTANCE ********************************************** WIND FROM ***********************************************
 2891   FROM       N     NNE     NE     ENE     E     ESE     SE    SSE     S     SSW     SW    WSW     W     WNW     NW    NNW    ALL
 2892  TOWER     ********************************************** PLUME HEADED **********************************************
 2893   (M)       S     SSW     SW     WSW     W     WNW     NW    NNW     N     NNE     NE    ENE     E     ESE     SE    SSE    SUM
 2894
 2895    100.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2896    200.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .5     .0     .0     .0     .0     .0     .5
 2897    300.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2898    400.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2899    500.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2900    600.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2901    700.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2902    800.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2903    900.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2904   1000.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2905   1100.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2906   1200.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2907   1300.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2908   1400.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2909   1500.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2910   1600.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2911 1          ********************************** HOURS OF RIME ICING TABLE **********************************
 2912                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
 2913                 SEASON=SUMMER
 2914 DISTANCE ********************************************** WIND FROM ***********************************************
 2915   FROM       N     NNE     NE     ENE     E     ESE     SE    SSE     S     SSW     SW    WSW     W     WNW     NW    NNW    ALL
 2916  TOWER     ********************************************** PLUME HEADED **********************************************
 2917   (M)       S     SSW     SW     WSW     W     WNW     NW    NNW     N     NNE     NE    ENE     E     ESE     SE    SSE    SUM
 2918
 2919    100.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2920    200.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2921    300.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2922    400.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2923    500.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2924    600.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
 2925    700.     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0     .0
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2926	800.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2927	900.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2928	1000.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2929	1100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2930	1200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2931	1300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2932	1400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2933	1500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2934	1600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

2935 1

2936

2937

2938 TOTAL RECORDS FOR SEASON FALL = 4368

2939

2940 NUMBER OF STAGNANT CASES = 240

2941 1 ********** FREQUENCY PERCENTAGE BY CATEGORY AND WIND DIRECTION **********

2942 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2943 SEASON=FALL

2944 ********** WIND FROM **********

2945 CATEGORY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
2946 NUMBER	********** PLUME HEADED **********																
2947	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
2948																	
2949 11	.70	.58	.56	.61	1.16	.36	.17	.15	.29	.17	.27	.17	.41	.39	.41	.61	7.01
2950 12	.68	.27	.19	.52	.36	.38	.27	.19	.38	.27	.19	.14	.19	.27	.38	.44	5.15
2951 13	.62	.28	.39	.39	.45	.68	1.58	.39	.62	.11	.11	.11	.00	.28	.23	.34	6.59
2952 14	.39	.39	.53	.98	1.72	.69	.39	.05	.00	.16	.09	.21	.18	.14	.23	.14	6.27
2953 15	1.35	1.85	4.49	5.86	10.39	3.14	1.63	.57	.53	.21	.05	.05	.18	.30	.73	1.01	32.33
2954 16	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.05
2955 17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2956 18	.30	.57	1.58	3.59	3.85	1.21	.89	.39	.14	.07	.02	.00	.09	.14	.27	.30	13.42
2957 19	.05	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.11
2958 20	.02	.00	.05	.05	.02	.00	.00	.00	.05	.00	.00	.00	.00	.00	.02	.15	.37
2959 21	.00	.00	.03	.06	.03	.06	.06	.03	.06	.06	.00	.06	.09	.03	.06	.00	.60
2960 22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
2961 23	.07	.00	.05	.09	.21	.09	.00	.05	.00	.00	.00	.00	.02	.02	.09	.18	.87
2962 24	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
2963 25	.14	.00	.00	.02	.00	.07	.00	.00	.00	.02	.00	.00	.00	.00	.00	.02	.27
2964 26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.05	.07
2965 27	.02	.07	.05	.00	.02	.00	.00	.02	.02	.02	.02	.00	.00	.00	.05	.02	.32
2966 28	.02	.00	.05	.00	.00	.00	.07	.02	.02	.00	.02	.02	.02	.00	.05	.07	.39
2967 29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02
2968 30	.07	.00	.00	.05	.07	.07	.05	.02	.05	.02	.00	.00	.02	.02	.09	.25	.78
2969 31	.00	.00	.00	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.11
2970 32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	.00	.05
2971 33	.02	.00	.02	.02	.05	.02	.00	.05	.00	.02	.00	.00	.02	.02	.00	.00	.25
2972 34	.05	.00	.00	.02	.00	.02	.02	.05	.02	.07	.02	.00	.05	.07	.11	.07	.57
2973 35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2974 36	.23	.05	.09	.11	.34	.14	.14	.09	.23	.05	.00	.11	.09	.05	.16	.39	2.27
2975 37	.09	.00	.11	.09	.14	.14	.05	.09	.02	.07	.02	.05	.09	.23	.37	.41	1.97
2976 38	.09	.11	.05	.09	.18	.11	.11	.16	.21	.25	.14	.18	.25	.07	.43	.60	3.04
2977 39	.21	.11	.09	.05	.18	.05	.07	.05	.21	.05	.11	.14	.14	.16	.41	.60	2.61
2978 40	.21	.05	.02	.02	.07	.02	.05	.05	.05	.02	.21	.21	.16	.11	.64	.46	2.34
2979 41	.39	.07	.00	.02	.10	.10	.17	.10	.24	.17	.17	.39	.31	.22	.41	.70	3.55
2980 42	.18	.09	.02	.07	.07	.11	.14	.07	.27	.14	.18	.16	.05	.18	.25	.34	2.34
2981 43	.34	.02	.00	.02	.00	.14	.02	.02	.07	.00	.05	.09	.18	.18	.30	.87	2.31
2982 44	.32	.00	.02	.07	.07	.07	.07	.09	.37	.23	.21	.30	.21	.23	.39	.43	3.07
2983 45	.16	.02	.00	.00	.00	.02	.09	.00	.05	.05	.05	.09	.09	.07	.09	.09	.87
2984	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2985 TOTALS	6.72	4.55	8.39	12.82	19.52	7.76	6.05	2.69	3.89	2.22	1.95	2.47	2.90	3.23	6.21	8.62	100.00

2986 1 ********** STABILITY CLASS BY WIND DIRECTION **********

2987 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

2988 SEASON=FALL

2989 ********** WIND FROM **********

2990 STABILITY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW

CLASS ********** PLUME HEADED **********

	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01
2	.04	.07	.04	.02	.02	.02	.02	.03	.03	.05	.04	.02	.07	.07	.02	.02	.01
3	.15	.16	.09	.10	.12	.13	.10	.07	.05	.10	.17	.16	.15	.14	.10	.08	.05
4	.47	.56	.71	.76	.69	.61	.51	.50	.46	.33	.20	.18	.21	.32	.42	.37	.07
5	.19	.16	.13	.10	.14	.19	.16	.15	.23	.29	.19	.17	.19	.21	.21	.26	.10
6	.13	.05	.04	.02	.02	.05	.18	.22	.19	.20	.31	.33	.28	.19	.22	.21	.19
7	.02	.00	.00	.00	.00	.01	.03	.04	.04	.03	.09	.15	.10	.07	.02	.04	.57

********** WIND SPEED DISTRIBUTION BY DIRECTION AT REFERENCE HEIGHT OF 200. METERS **********
Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=FALL

WIND RANGE — ********** WIND FROM ********** / ********** PLUME HEADED **********

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.00	.02	.00	.00	.00	.00	.00	.00	.01	.01	.00	.02	.02	.02	.01	.01	1.00
2	.36	.21	.10	.05	.06	.11	.23	.32	.43	.46	.68	.65	.63	.52	.41	.37	.00
3	.63	.78	.90	.95	.94	.89	.77	.68	.56	.53	.32	.33	.36	.47	.58	.62	.00

********** *COMBINED FACTORS BY WIND DIRECTION* **********
Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=FALL

COMBINED CLASS* — ********** WIND FROM ********** / ********** PLUME HEADED **********

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07
2	.07	.05	.01	.01	.01	.02	.03	.03	.03	.07	.14	.11	.14	.11	.05	.04	.00
3	.12	.18	.12	.12	.14	.13	.09	.06	.05	.08	.07	.06	.08	.10	.07	.07	.00
4	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.00	.01	.17
5	.24	.15	.08	.05	.05	.09	.15	.21	.30	.28	.26	.22	.25	.27	.26	.23	.00
6	.42	.56	.75	.81	.78	.70	.52	.44	.39	.32	.13	.11	.14	.25	.37	.40	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.76
8	.06	.01	.00	.00	.00	.01	.05	.08	.10	.11	.27	.31	.24	.13	.10	.09	.00
9	.10	.04	.03	.02	.02	.06	.16	.17	.13	.12	.13	.16	.14	.12	.14	.16	.00

* COMBINED CLASSES ARE DEFINED AS FOLLOWS:
1=UNSTABLE, LOW WIND 2=UNSTABLE, MODERATE WIND 3=UNSTABLE, HIGH WIND
4=NEUTRAL, LOW WIND 5=NEUTRAL MODERATE WIND 6=NEUTRAL, HIGH WIND
7=STABLE, LOW WIND 8=STABLE, MODERATE WIND 9=STABLE, HIGH WIND

1 ********** PLUME LENGTH FREQUENCY TABLE **********
Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=FALL

DISTANCE FROM TOWER (M) — ********** WIND FROM ********** / ********** *PLUME HEADED* **********

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
100.	6.72	4.55	8.39	12.82	19.52	7.76	6.05	2.69	3.89	2.22	1.95	2.47	2.90	3.23	6.21	8.62	100.00
200.	3.29	.87	.05	.14	.27	.18	.00	1.04	2.21	1.38	.00	.09	.14	.14	.09	6.09	15.99
300.	2.47	.60	.00	.14	.27	.18	.00	.85	1.82	1.08	.00	.09	.14	.11	.00	5.56	13.33
400.	1.90	.48	.00	.00	.00	.02	.00	.53	1.45	.90	.00	.09	.09	.07	.00	4.09	9.63
500.	1.60	.26	.00	.00	.00	.02	.00	.33	1.04	.60	.00	.09	.09	.07	.00	2.90	7.00
600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3056	900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3057	1000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3058	1100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3059	1200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3060	1300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3061	1400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3062	1500.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3063	1600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3064	1700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3065	1800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3066	1900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3067	2000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3068	2100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3069	2200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3070	2300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3071	2400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3072	2500.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3073	2600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3074	2700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3075	2800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3076	2900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3077	3000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3078	3100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3079	3200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3080	3300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3081	3400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3082	3500.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3083	3600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3084	3700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3085	3800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3086	3900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3087	4000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3088	4100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3089	4200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3090	4300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3091	4400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3092	4500.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3093	4600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3094	4700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3095	4800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3096	4900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3097	5000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3098																		
3099																		
3100 1		********** PLUME LENGTH FREQUENCY TABLE **********																
3101		Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower																
3102		SEASON=FALL																
3103	DISTANCE	********** WIND FROM **********																
3104	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3105	TOWER	********** PLUME HEADED **********																
3106	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
3107																		
3108	5100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3109	5200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3110	5300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3111	5400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3112	5500.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3113	5600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3114	5700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3115	5800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3116	5900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3117	6000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3118	6100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3119	6200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3120	6300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3121	6400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3122	6500.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3123	6600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3124	6700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3125	6800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3126	6900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3127	7000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3128	7100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3129	7200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3130	7300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3131	7400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3132	7500.	1.01	.14	.00	.00	.00	.02	.00	.18	.76	.41	.00	.09	.09	.07	.00	1.74	4.51
3133	7600.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3134	7700.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3135	7800.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3136	7900.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3137	8000.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3138	8100.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3139	8200.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3140	8300.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3141	8400.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3142	8500.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3143	8600.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3144	8700.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3145	8800.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3146	8900.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3147	9000.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3148	9100.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3149	9200.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3150	9300.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3151	9400.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3152	9500.	.66	.11	.00	.00	.00	.02	.00	.16	.69	.41	.00	.09	.09	.07	.00	.87	3.18
3153	9600.	.48	.02	.00	.00	.00	.02	.00	.09	.41	.27	.00	.09	.09	.07	.00	.53	2.08
3154	9700.	.48	.02	.00	.00	.00	.02	.00	.09	.41	.27	.00	.09	.09	.07	.00	.53	2.08
3155	9800.	.48	.02	.00	.00	.00	.02	.00	.09	.41	.27	.00	.09	.09	.07	.00	.53	2.08
3156	9900.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3157	10000.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

3158 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

3159 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3160 SEASON=FALL

3161	HEIGHT	********** WIND FROM **********																
3162	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3163	TOWER	********** PLUME HEADED **********																
3164	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
3165																		
3166	10.	6.72	4.55	8.39	12.82	19.52	7.76	6.05	2.69	3.89	2.22	1.95	2.47	2.90	3.23	6.21	8.62	100.00
3167	20.	4.55	1.74	6.81	9.21	15.63	6.45	5.16	1.68	3.22	1.77	1.93	2.47	2.81	3.09	5.93	7.11	79.56
3168	30.	4.55	1.74	.05	.23	.34	.39	.09	1.68	3.22	1.77	.05	.48	.53	.55	.18	7.11	22.95
3169	40.	3.71	1.15	.05	.14	.27	.18	.09	1.47	2.89	1.57	.05	.09	.14	.14	.18	6.05	18.16
3170	50.	3.09	.87	.00	.14	.27	.18	.00	1.07	2.27	1.46	.00	.09	.14	.11	.00	5.71	15.41
3171	60.	2.01	.55	.00	.14	.27	.18	.00	.60	1.53	.95	.00	.09	.14	.11	.00	4.33	10.91
3172	70.	2.01	.55	.00	.00	.00	.02	.00	.60	1.53	.95	.00	.09	.09	.07	.00	4.33	10.24
3173	80.	2.01	.55	.00	.00	.00	.02	.00	.60	1.53	.95	.00	.09	.09	.07	.00	4.33	10.24
3174	90.	1.65	.32	.00	.00	.00	.02	.00	.39	1.07	.65	.00	.09	.09	.07	.00	2.97	7.32
3175	100.	1.42	.21	.00	.00	.00	.02	.00	.33	1.00	.60	.00	.09	.09	.07	.00	2.49	6.31
3176	110.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3177	120.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3178	130.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3179	140.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3180	150.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3181	160.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3182	170.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3183	180.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3184	190.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3185	200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3186	210.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3187	220.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3188	230.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3189	240.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3190	250.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3191	260.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3192	270.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3193	280.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3194	290.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3195	300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3196	310.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3197	320.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3198	330.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3199	340.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3200	350.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3201	360.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3202	370.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3203	380.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3204	390.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3205	400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3206	410.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3207	420.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3208	430.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3209	440.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3210	450.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	07	.00	2.44	6.18
3211	460.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3212	470.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3213	480.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3214	490.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3215	500.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3216 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

3217 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3218 SEASON=FALL

3219	HEIGHT	********** WIND FROM **********																
3220	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3221	TOWER	********** PLUME HEADED **********																
3222	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
3223																		
3224	510.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3225	520.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3226	530.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3227	540.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3228	550.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3229	560.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3230	570.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3231	580.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3232	590.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3233	600.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3234	610.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3235	620.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3236	630.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3237	640.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3238	650.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3239	660.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3240	670.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3241	680.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3242	690.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3243	700.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3244	710.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3245	720.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3246	730.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3247	740.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3248	750.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3249	760.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3250	770.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3251	780.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3252	790.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3253	800.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3254	810.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3255	820.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3256	830.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3257	840.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3258	850.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3259	860.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3260	870.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3261	880.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3262	890.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3263	900.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3264	910.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3265	920.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3266	930.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3267	940.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3268	950.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3269	960.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3270	970.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3271	980.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3272	990.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3273	1000.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3274 1 ********** PLUME RADIUS FREQUENCY TABLE **********

3275 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3276 SEASON=FALL

3277	MAXIMUM	********** WIND FROM **********																
3278	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3279	TOWER	********** PLUME HEADED **********																
3280	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
3281																		
3282	5.	6.72	4.55	8.39	12.82	19.52	7.76	6.05	2.69	3.89	2.22	1.95	2.47	2.90	3.23	6.21	8.62	100.00
3283	10.	6.72	4.55	8.39	12.82	19.52	7.76	6.05	2.69	3.89	2.22	1.95	2.47	2.90	3.23	6.21	8.62	100.00
3284	15.	6.72	4.55	.18	.67	1.22	.95	.41	2.69	3.89	2.22	.60	1.23	1.23	1.40	1.88	8.62	38.47
3285	20.	6.43	3.98	.00	.23	.34	.39	.11	2.30	3.75	2.16	.09	.48	.53	.53	.39	8.32	30.03
3286	25.	5.33	3.01	.00	.07	.07	.09	.09	2.11	3.46	1.83	.05	.39	.30	.30	.09	7.58	24.76
3287	30.	3.85	1.15	.00	.00	.00	.02	.09	1.54	2.93	1.60	.05	.09	.09	.07	.09	6.50	18.07
3288	35.	3.02	.88	.00	.00	.00	.02	.09	1.28	2.50	1.30	.05	.09	.09	.07	.09	5.61	15.09
3289	40.	2.08	.55	.00	.00	.00	.02	.09	.67	1.57	1.02	.05	.09	.09	.07	.09	4.47	10.87
3290	45.	1.60	.26	.00	.00	.00	.02	.00	.33	1.04	.60	.00	.09	.09	.07	.00	2.94	7.05
3291	50.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3292	55.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3293	60.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3294	65.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3295	70.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3296	75.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3297	80.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3298	85.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3299	90.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3300	95.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3301	100.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3302	105.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3303	110.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3304	115.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3305	120.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3306	125.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3307	130.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3308	135.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3309	140.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3310	145.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3311	150.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3312	155.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3313	160.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3314	165.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3315	170.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3316	175.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3317	180.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3318	185.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3319	190.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3320	195.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3321	200.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3322	205.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3323	210.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3324	215.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3325	220.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3326	225.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3327	230.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3328	235.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3329	240.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3330	245.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3331	250.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18

3332 1 ********** PLUME RADIUS FREQUENCY TABLE **********

3333 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3334 SEASON=FALL

3335 MAXIMUM ********** WIND FROM **********

3336	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3337	TOWER	********** PLUME HEADED **********																
3338	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
3339																		
3340	255.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3341	260.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3342	265.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3343	270.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3344	275.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3345	280.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3346	285.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3347	290.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3348	295.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3349	300.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3350	305.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3351	310.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3352	315.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3353	320.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3354	325.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3355	330.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3356	335.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3357	340.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3358	345.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3359	350.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3360	355.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3361	360.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3362	365.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3363	370.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3364	375.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3365	380.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3366	385.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3367	390.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3368	395.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3369	400.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3370	405.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3371	410.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3372	415.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3373	420.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3374	425.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3375	430.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3376	435.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3377	440.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3378	445.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3379	450.	1.39	.21	.00	.00	.00	.02	.00	.28	1.00	.58	.00	.09	.09	.07	.00	2.44	6.18
3380	455.	1.39	.21	.00	.00	.00	.00	.00	.28	1.00	.58	.00	.00	.00	.00	.00	2.44	5.90

3381	460.	1.39	.21	.00	.00	.00	.00	.00	.28	1.00	.58	.00	.00	.00	.00	.00	2.44	5.90
3382	465.	1.39	.21	.00	.00	.00	.00	.00	.28	1.00	.58	.00	.00	.00	.00	.00	2.44	5.90
3383	470.	1.39	.21	.00	.00	.00	.00	.00	.28	1.00	.58	.00	.00	.00	.00	.00	2.44	5.90
3384	475.	.91	.19	.00	.00	.00	.00	.00	.19	.58	.31	.00	.00	.00	.00	.00	1.91	4.09
3385	480.	.91	.19	.00	.00	.00	.00	.00	.19	.58	.31	.00	.00	.00	.00	.00	1.91	4.09
3386	485.	.91	.19	.00	.00	.00	.00	.00	.19	.58	.31	.00	.00	.00	.00	.00	1.91	4.09
3387	490.	.91	.19	.00	.00	.00	.00	.00	.19	.58	.31	.00	.00	.00	.00	.00	1.91	4.09
3388	495.	.91	.19	.00	.00	.00	.00	.00	.19	.58	.31	.00	.00	.00	.00	.00	1.91	4.09
3389	500.	.91	.19	.00	.00	.00	.00	.00	.19	.58	.31	.00	.00	.00	.00	.00	1.91	4.09

3390 1 ********** HOURS OF PLUME SHADOWING TABLE **********

3391 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3392 SEASON=FALL

3393	DISTANCE	********** WIND FROM **********																
3394	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3395	TOWER	********** PLUME HEADED **********																
3396	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
3397																		
3398	200.	84.4	87.8	111.7	134.6	171.4	145.9	68.7	68.2	53.3	51.8	66.1	108.4	101.9	92.7	80.0	79.1	94.1
3399	400.	28.9	35.1	36.7	53.1	44.4	28.3	18.9	18.8	19.8	16.8	8.8	24.1	16.9	18.0	9.5	21.9	25.0
3400	600.	22.9	26.3	29.3	33.6	20.7	21.8	13.3	11.8	13.8	7.9	2.7	13.0	6.3	5.9	2.6	3.6	14.7
3401	800.	17.0	23.8	23.1	18.8	14.5	13.5	10.9	10.1	12.1	3.7	2.7	6.3	1.7	3.7	1.1	2.1	10.3
3402	1000.	13.0	23.8	21.7	16.2	12.1	7.9	9.9	9.1	9.0	3.7	2.7	.7	1.7	2.4	1.1	2.1	8.6
3403	1200.	8.6	20.9	21.7	11.0	6.5	6.6	9.9	9.1	6.6	3.0	2.7	.7	1.7	1.7	1.1	2.1	7.1
3404	1400.	7.3	19.9	21.7	9.0	5.6	3.7	8.5	9.1	5.8	2.0	2.7	.7	1.7	1.1	1.1	1.0	6.3
3405	1600.	7.3	19.9	19.8	8.3	5.6	3.7	8.5	9.1	5.8	2.0	1.7	.7	1.7	1.1	1.1	1.0	6.1
3406	1800.	7.3	19.9	17.4	7.6	4.6	3.7	8.5	9.1	5.8	2.0	1.7	.7	.0	1.1	1.1	1.0	5.7
3407	2000.	4.7	19.9	17.4	7.6	4.6	3.1	8.5	9.1	4.8	2.0	1.7	.7	.0	1.1	1.1	1.0	5.5
3408	2200.	4.7	19.9	16.2	6.5	4.6	3.1	8.5	9.1	4.8	1.0	1.7	.7	.0	1.1	1.1	1.0	5.2
3409	2400.	4.7	19.9	16.2	6.5	4.6	2.4	5.9	9.1	3.4	1.0	1.7	.7	.0	1.1	1.1	.0	4.9
3410	2600.	4.7	19.9	16.2	6.5	4.6	2.4	5.9	9.1	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.8
3411	2800.	3.3	19.9	16.2	6.5	4.6	1.8	5.9	9.1	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.7
3412	3000.	3.3	19.0	13.9	6.5	4.6	1.2	5.9	9.1	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.5
3413	3200.	3.3	19.0	13.9	5.7	3.7	.6	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.3
3414	3400.	3.3	19.0	13.9	5.7	3.7	.6	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.3
3415	3600.	3.3	19.0	13.9	5.7	3.7	.6	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.3
3416	3800.	3.3	19.0	13.9	5.7	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.3
3417	4000.	3.3	19.0	13.9	5.7	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.3
3418	4200.	3.3	19.0	13.9	5.7	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.3
3419	4400.	3.3	19.0	12.9	5.7	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.2
3420	4600.	3.3	19.0	12.9	5.7	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.2
3421	4800.	3.3	18.0	12.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.1
3422	5000.	3.3	18.0	12.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	4.1
3423	5200.	2.3	18.0	11.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	3.9
3424	5400.	2.3	18.0	11.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	3.9
3425	5600.	2.3	18.0	11.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	3.9
3426	5800.	2.3	18.0	11.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	3.9
3427	6000.	2.3	18.0	11.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	3.9
3428	6200.	.0	18.0	11.9	4.6	3.7	.0	5.9	8.3	3.4	1.0	1.0	.7	.0	1.1	1.1	.0	3.8
3429	6400.	.0	18.0	11.9	4.6	3.7	.0	5.9	8.3	2.0	1.0	1.0	.7	.0	1.1	1.1	.0	3.7
3430	6600.	.0	16.7	11.9	4.6	3.7	.0	5.9	8.3	2.0	1.0	1.0	.7	.0	1.1	1.1	.0	3.6
3431	6800.	.0	16.7	11.9	4.6	3.7	.0	5.9	8.3	2.0	1.0	1.0	.7	.0	1.1	1.1	.0	3.6
3432	7000.	.0	14.5	11.0	4.6	3.7	.0	5.9	6.9	2.0	1.0	1.0	.7	.0	1.1	1.1	.0	3.3
3433	7200.	.0	13.2	11.0	4.6	3.7	.0	5.9	6.9	2.0	1.0	1.0	.7	.0	1.1	1.1	.0	3.3
3434	7400.	.0	13.2	11.0	4.6	3.7	.0	5.9	6.9	2.0	1.0	1.0	.7	.0	1.1	1.1	.0	3.3
3435	7600.	.0	11.9	11.0	4.6	3.7	.0	5.9	6.9	2.0	1.0	1.0	.7	.0	1.1	1.1	.0	3.2
3436	7800.	.0	10.6	11.0	4.6	3.7	.0	5.9	6.9	2.0	1.0	1.0	.7	.0	1.1	.0	.0	3.0
3437	8000.	.0	7.8	11.0	4.6	3.7	.0	5.9	6.9	2.0	1.0	1.0	.7	.0	1.1	.0	.0	2.9

3438 1 ********** TOTAL SOLAR ENERGY LOSS TABLE (MJ/M**2)**********

3439 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3440 SEASON=FALL

3441	DISTANCE	********** WIND FROM **********																
3442	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3443	TOWER	********** PLUME HEADED **********																
3444	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
3445																		

3446	200.	43.2	37.7	43.0	45.4	61.5	60.0	45.3	54.0	39.1	36.3	38.1	41.2	33.3	28.4	29.9	37.1	42.1
3447	400.	8.8	11.4	9.6	10.2	7.5	2.9	4.3	9.2	11.0	7.2	2.2	3.3	1.4	2.0	.8	4.5	6.0
3448	600.	6.3	9.2	6.0	6.8	1.9	2.4	2.5	3.4	4.7	4.1	.6	1.5	.6	.3	.2	1.1	3.2
3449	800.	5.0	9.0	4.6	2.9	1.2	1.3	2.0	2.0	4.0	1.3	.6	.6	.2	.2	.2	1.1	2.3
3450	1000.	4.1	9.0	4.6	2.3	1.0	.2	1.6	1.6	3.6	1.3	.6	.0	.2	.2	.2	1.1	2.0
3451	1200.	2.6	7.4	4.6	1.1	.4	.2	1.6	1.6	3.2	1.3	.6	.0	.2	.2	.2	1.1	1.6
3452	1400.	2.4	6.6	4.6	.8	.3	.1	1.3	1.6	3.1	.7	.6	.0	.2	.2	.2	.9	1.5
3453	1600.	2.4	6.6	4.1	.8	.3	.1	1.3	1.6	3.1	.7	.3	.0	.2	.2	.2	.9	1.4
3454	1800.	2.4	6.6	3.7	.8	.2	.1	1.3	1.6	3.1	.7	.3	.0	.0	.2	.2	.9	1.4
3455	2000.	1.8	6.6	3.7	.8	.2	.1	1.3	1.6	2.1	.7	.3	.0	.0	.2	.2	.9	1.3
3456	2200.	1.8	6.6	3.4	.6	.2	.1	1.3	1.6	2.1	.3	.3	.0	.0	.2	.2	.9	1.2
3457	2400.	1.8	6.6	3.4	.6	.2	.0	.7	1.6	1.7	.3	.3	.0	.0	.2	.2	.0	1.1
3458	2600.	1.8	6.6	3.4	.6	.2	.0	.7	1.6	1.7	.3	.3	.0	.0	.2	.2	.0	1.1
3459	2800.	1.4	6.6	3.4	.6	.2	.0	.7	1.6	1.7	.3	.3	.0	.0	.2	.2	.0	1.1
3460	3000.	1.4	6.5	3.0	.6	.2	.0	.7	1.6	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3461	3200.	1.4	6.5	3.0	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3462	3400.	1.4	6.5	3.0	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3463	3600.	1.4	6.5	3.0	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3464	3800.	1.4	6.5	3.0	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3465	4000.	1.4	6.5	3.0	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3466	4200.	1.4	6.5	3.0	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3467	4400.	1.4	6.5	2.6	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3468	4600.	1.4	6.5	2.6	.6	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3469	4800.	1.4	6.1	2.6	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3470	5000.	1.4	6.1	2.6	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	1.0
3471	5200.	1.1	6.1	2.2	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	.9
3472	5400.	1.1	6.1	2.2	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	.9
3473	5600.	1.1	6.1	2.2	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	.9
3474	5800.	1.1	6.1	2.2	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	.9
3475	6000.	1.1	6.1	2.2	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	.9
3476	6200.	.0	6.1	2.2	.4	.2	.0	.7	1.5	1.7	.3	.3	.0	.0	.2	.2	.0	.9
3477	6400.	.0	6.1	2.2	.4	.2	.0	.7	1.5	1.4	.3	.3	.0	.0	.2	.2	.0	.8
3478	6600.	.0	5.9	2.2	.4	.2	.0	.7	1.5	1.4	.3	.3	.0	.0	.2	.2	.0	.8
3479	6800.	.0	5.9	2.2	.4	.2	.0	.7	1.5	1.4	.3	.3	.0	.0	.2	.2	.0	.8
3480	7000.	.0	5.2	2.2	.4	.2	.0	.7	1.2	1.4	.3	.3	.0	.0	.2	.2	.0	.8
3481	7200.	.0	4.9	2.2	.4	.2	.0	.7	1.2	1.4	.3	.3	.0	.0	.2	.2	.0	.7
3482	7400.	.0	4.9	2.2	.4	.2	.0	.7	1.2	1.4	.3	.3	.0	.0	.2	.2	.0	.7
3483	7600.	.0	4.6	2.2	.4	.2	.0	.7	1.2	1.4	.3	.3	.0	.0	.2	.2	.0	.7
3484	7800.	.0	4.3	2.2	.4	.2	.0	.7	1.2	1.4	.3	.3	.0	.0	.2	.0	.0	.7
3485	8000.	.0	3.6	2.2	.4	.2	.0	.7	1.2	1.4	.3	.3	.0	.0	.2	.0	.0	.7

3486 1 ********** PERCENT TOTAL ENERGY LOSS TABLE **********

3487 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3488 SEASON=FALL

3489	DISTANCE	********** WIND FROM																
3490	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3491	TOWER	********** PLUME HEADED																
3492	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
3493																		
3494	200.	1.5	1.3	1.4	1.5	2.1	2.0	1.5	1.8	1.3	1.2	1.3	1.4	1.1	1.0	1.0	1.3	1.4
3495	400.	.3	.4	.3	.3	.3	.1	.1	.3	.4	.2	.1	.1	.0	.1	.0	.2	.2
3496	600.	.2	.3	.2	.2	.1	.1	.1	.1	.2	.1	.0	.1	.0	.0	.0	.0	.1
3497	800.	.2	.3	.2	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3498	1000.	.1	.3	.2	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3499	1200.	.1	.2	.2	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3500	1400.	.1	.2	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3501	1600.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3502	1800.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3503	2000.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3504	2200.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3505	2400.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3506	2600.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3507	2800.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3508	3000.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3509	3200.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3510	3400.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0

3511	3600.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3512	3800.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3513	4000.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3514	4200.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3515	4400.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3516	4600.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3517	4800.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3518	5000.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3519	5200.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3520	5400.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3521	5600.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3522	5800.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3523	6000.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3524	6200.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3525	6400.	.0	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3526	6600.	.0	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3527	6800.	.0	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3528	7000.	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3529	7200.	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3530	7400.	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3531	7600.	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3532	7800.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3533	8000.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

3534 1 ********** PERCENT BEAM ENERGY LOSS TABLE **********

3535 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3536 SEASON=FALL

3537 DISTANCE	********** WIND FROM **********																
3538 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
3539 TOWER	********** PLUME HEADED **********																
3540 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
3541																	
3542 200.	2.3	2.0	2.3	2.4	3.3	3.2	2.4	2.9	2.1	1.9	2.0	2.2	1.8	1.5	1.6	2.0	2.3
3543 400.	.5	.6	.5	.5	.4	.2	.2	.5	.6	.4	.1	.2	.1	.1	.0	.2	.3
3544 600.	.3	.5	.3	.4	.1	.1	.1	.2	.3	.2	.0	.1	.0	.0	.0	.1	.2
3545 800.	.3	.5	.2	.2	.1	.1	.1	.1	.2	.1	.0	.0	.0	.0	.0	.1	.1
3546 1000.	.2	.5	.2	.1	.1	.0	.1	.1	.2	.1	.0	.0	.0	.0	.0	.1	.1
3547 1200.	.1	.4	.2	.1	.0	.0	.1	.1	.2	.1	.0	.0	.0	.0	.0	.1	.1
3548 1400.	.1	.4	.2	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1
3549 1600.	.1	.4	.2	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1
3550 1800.	.1	.4	.2	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1
3551 2000.	.1	.4	.2	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3552 2200.	.1	.4	.2	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3553 2400.	.1	.4	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3554 2600.	.1	.4	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3555 2800.	.1	.4	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3556 3000.	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3557 3200.	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3558 3400.	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3559 3600.	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3560 3800.	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3561 4000.	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3562 4200.	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3563 4400.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3564 4600.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3565 4800.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3566 5000.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3567 5200.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3568 5400.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3569 5600.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3570 5800.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3571 6000.	.1	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
3572 6200.	.0	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3573 6400.	.0	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3574 6600.	.0	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
3575 6800.	.0	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0

7000.	.0	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
7200.	.0	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
7400.	.0	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
7600.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
7800.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
8000.	.0	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	

1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=FALL

DISTANCE FROM TOWER (M)	WIND FROM PLUME HEADED: N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
100.	42.22	44.14	2.01	5.36	8.11	4.73	2.10	24.11	18.69	10.98	.62	2.23	2.58	3.07	1.86	40.56	13.34
200.	102.16	118.80	6.78	10.56	16.36	7.43	4.49	61.99	40.31	23.64	.88	2.76	3.28	3.77	3.26	85.75	30.76
300.	38.10	40.86	6.67	8.51	13.67	5.46	4.42	28.18	18.55	10.39	.87	1.72	1.90	2.16	3.22	33.71	13.65
400.	7.03	4.27	5.12	6.08	9.31	3.76	5.40	3.98	3.76	1.84	.97	.77	.91	1.19	3.22	6.53	4.01
500.	1.72	.39	3.33	5.65	8.83	3.44	2.56	.74	1.18	.63	.52	.74	.92	1.11	1.88	3.25	2.30
600.	1.33	.36	2.83	4.01	5.98	2.51	2.24	.62	1.00	.52	.38	.68	.83	1.00	1.54	2.40	1.77
700.	1.06	.36	1.27	1.91	2.25	1.30	1.67	.51	.87	.45	.37	.58	.68	.82	1.26	1.72	1.07
800.	1.00	.36	.92	1.17	1.40	.90	1.48	.49	.82	.43	.34	.40	.49	.57	1.13	1.47	.84
900.	1.00	.36	.88	.53	.71	.59	1.44	.49	.82	.43	.31	.20	.23	.30	.98	1.47	.67
1000.	1.00	.36	.85	.43	.53	.52	1.35	.49	.82	.43	.20	.14	.12	.21	.62	1.47	.60
1100.	1.00	.36	.76	.40	.51	.49	1.19	.49	.82	.43	.11	.09	.06	.19	.35	1.47	.55
1200.	1.00	.36	.74	.38	.51	.47	1.13	.49	.82	.43	.08	.08	.03	.18	.26	1.47	.53
1300.	1.00	.36	.68	.34	.46	.40	.90	.49	.82	.43	.06	.06	.03	.15	.23	1.47	.49
1400.	.98	.36	.54	.19	.29	.14	.36	.48	.80	.42	.02	.02	.03	.05	.15	1.44	.39
1500.	.90	.34	.54	.19	.29	.14	.36	.45	.73	.41	.02	.02	.03	.05	.15	1.30	.37
1600.	.70	.26	.54	.19	.29	.14	.36	.39	.62	.33	.02	.02	.03	.05	.15	1.18	.33
1700.	.65	.25	.54	.19	.29	.14	.36	.38	.59	.31	.02	.02	.03	.05	.15	1.14	.32
1800.	.59	.24	.54	.19	.29	.14	.36	.32	.56	.25	.02	.02	.03	.05	.15	.96	.29
1900.	.52	.18	.54	.19	.29	.14	.36	.27	.47	.18	.02	.02	.03	.05	.15	.70	.26
2000.	.43	.15	.54	.19	.29	.14	.36	.23	.39	.13	.02	.02	.03	.05	.15	.50	.23
2100.	.37	.13	.21	.19	.29	.14	.18	.21	.34	.11	.02	.02	.03	.05	.09	.38	.17
2200.	.33	.13	.21	.19	.29	.14	.18	.19	.29	.06	.02	.02	.03	.05	.09	.29	.16
2300.	.33	.13	.21	.19	.29	.14	.18	.19	.29	.06	.02	.02	.03	.05	.09	.29	.16
2400.	.18	.06	.21	.19	.29	.14	.18	.09	.14	.04	.02	.02	.03	.05	.09	.21	.12
2500.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.09	.05	.09
2600.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.09	.05	.09
2700.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.09	.05	.09
2800.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.09	.05	.09
2900.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.09	.05	.09
3000.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.09	.05	.09
3100.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.08	.05	.09
3200.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.08	.05	.09
3300.	.06	.02	.21	.19	.29	.14	.18	.04	.06	.02	.02	.02	.03	.05	.08	.05	.09
3400.	.06	.02	.21	.19	.28	.13	.18	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
3500.	.06	.02	.21	.18	.27	.13	.18	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
3600.	.06	.02	.21	.18	.27	.13	.18	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
3700.	.06	.02	.21	.18	.27	.13	.18	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
3800.	.06	.02	.21	.18	.27	.13	.18	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
3900.	.06	.02	.21	.18	.27	.13	.17	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
4000.	.06	.02	.21	.18	.27	.13	.17	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
4100.	.06	.02	.21	.18	.27	.13	.17	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
4200.	.06	.02	.21	.18	.27	.12	.17	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
4300.	.06	.02	.21	.18	.27	.12	.17	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
4400.	.06	.02	.21	.18	.27	.12	.17	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
4500.	.06	.02	.21	.18	.27	.12	.17	.04	.06	.02	.02	.02	.03	.04	.08	.05	.09
4600.	.06	.02	.07	.18	.27	.12	.12	.04	.06	.02	.02	.02	.03	.04	.05	.05	.07
4700.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.03	.04	.05	.05	.07
4800.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.03	.04	.05	.05	.07
4900.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.03	.04	.05	.05	.07
5000.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.05	.05	.07

1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=FALL

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
5100.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.05	.05	.07
5200.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.05	.05	.07
5300.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.05	.05	.07
5400.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.04	.04	.07
5500.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.04	.04	.07
5600.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.04	.04	.07
5700.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.04	.04	.07
5800.	.06	.02	.03	.18	.27	.12	.11	.04	.06	.02	.01	.02	.02	.04	.04	.04	.07
5900.	.06	.02	.03	.18	.27	.12	.10	.04	.06	.02	.01	.02	.02	.04	.04	.04	.07
6000.	.06	.02	.03	.18	.26	.12	.10	.04	.06	.02	.01	.02	.02	.04	.04	.04	.06
6100.	.05	.02	.03	.17	.26	.12	.10	.04	.06	.02	.01	.02	.02	.04	.04	.04	.06
6200.	.05	.02	.03	.17	.26	.12	.10	.03	.06	.02	.01	.02	.02	.04	.04	.04	.06
6300.	.05	.02	.03	.17	.26	.11	.10	.03	.05	.01	.01	.02	.01	.03	.04	.04	.06
6400.	.05	.02	.03	.17	.26	.11	.10	.03	.05	.01	.01	.02	.01	.03	.04	.04	.06
6500.	.05	.02	.01	.17	.26	.11	.03	.03	.05	.01	.01	.02	.01	.03	.03	.04	.06
6600.	.05	.02	.01	.16	.24	.08	.03	.03	.05	.01	.01	.01	.01	.02	.02	.04	.05
6700.	.04	.02	.01	.16	.24	.08	.03	.03	.04	.01	.01	.01	.01	.02	.02	.03	.05
6800.	.01	.00	.01	.12	.19	.07	.03	.01	.01	.00	.01	.01	.01	.02	.02	.01	.03
6900.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7000.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7100.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7200.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7300.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7400.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7500.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7600.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7700.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7800.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
7900.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
8000.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
8100.	.01	.00	.01	.05	.06	.03	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.02
8200.	.01	.00	.01	.03	.03	.02	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
8300.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
8400.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
8500.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
8600.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
8700.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
8800.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
8900.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9000.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9100.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9200.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9300.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9400.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9500.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9600.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9700.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9800.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
9900.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01
10000.	.01	.00	.01	.01	.01	.01	.03	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01

1 PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.))

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=FALL

DISTANCE FROM TOWER (M)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	WIND FROM																
	PLUME HEADED																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG

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 100.  .41E+04.43E+04.19E+03.50E+03.75E+03.44E+03.20E+03.24E+04.18E+04.11E+04.58E+02.21E+03.24E+03.29E+03.18E+03.40E+04.13E+04
 200.  .99E+04.12E+05.66E+03.98E+03.15E+04.69E+03.43E+03.60E+04.38E+04.23E+04.83E+02.26E+03.31E+03.35E+03.31E+03.83E+04.30E+04
 300.  .35E+04.39E+04.64E+03.78E+03.13E+04.49E+03.42E+03.26E+04.15E+04.93E+03.82E+02.16E+03.17E+03.20E+03.31E+03.31E+04.13E+04
 400.  .59E+03.38E+03.48E+03.50E+03.76E+03.31E+03.47E+03.33E+03.27E+03.15E+03.88E+02.65E+02.75E+02.97E+02.30E+03.57E+03.34E+03
 500.  .13E+03.22E+02.30E+03.44E+03.70E+03.26E+03.18E+03.49E+02.79E+02.45E+02.41E+02.56E+02.68E+02.78E+02.15E+03.28E+03.18E+03
 600.  .89E+02.19E+02.26E+03.30E+03.46E+03.18E+03.15E+03.37E+02.62E+02.34E+02.28E+02.51E+02.60E+02.69E+02.12E+03.20E+03.13E+03
 700.  .63E+02.19E+02.93E+02.13E+03.15E+03.78E+02.88E+02.26E+02.49E+02.27E+02.26E+02.43E+02.48E+02.54E+02.92E+02.13E+03.70E+02
 800.  .57E+02.19E+02.59E+02.70E+02.82E+02.45E+02.70E+02.24E+02.44E+02.25E+02.24E+02.27E+02.31E+02.32E+02.79E+02.11E+03.50E+02
 900.  .57E+02.19E+02.55E+02.18E+02.26E+02.20E+02.66E+02.24E+02.44E+02.25E+02.21E+02.89E+01.10E+02.12E+02.65E+02.11E+03.36E+02
1000.  .57E+02.19E+02.52E+02.13E+02.16E+02.16E+02.59E+02.24E+02.44E+02.25E+02.12E+02.45E+01.39E+01.64E+01.38E+02.11E+03.31E+02
1100.  .57E+02.19E+02.47E+02.12E+02.16E+02.15E+02.50E+02.24E+02.44E+02.25E+02.57E+01.29E+01.18E+01.60E+01.19E+02.11E+03.28E+02
1200.  .57E+02.19E+02.46E+02.12E+02.16E+02.14E+02.47E+02.24E+02.44E+02.25E+02.27E+01.23E+01.90E+00.55E+01.12E+02.11E+03.27E+02
1300.  .57E+02.19E+02.44E+02.10E+02.14E+02.12E+02.39E+02.24E+02.44E+02.25E+02.21E+01.19E+01.90E+00.45E+01.11E+02.11E+03.26E+02
1400.  .55E+02.19E+02.40E+02.52E+01.84E+01.34E+01.22E+02.23E+02.42E+02.24E+02.83E+00.48E+00.90E+00.90E+00.84E+01.10E+03.22E+02
1500.  .47E+02.17E+02.40E+02.52E+01.84E+01.34E+01.22E+02.20E+02.35E+02.23E+02.83E+00.48E+00.90E+00.90E+00.84E+01.91E+02.20E+02
1600.  .36E+02.13E+02.40E+02.52E+01.84E+01.34E+01.22E+02.17E+02.29E+02.19E+02.83E+00.48E+00.90E+00.90E+00.84E+01.84E+02.18E+02
1700.  .33E+02.12E+02.40E+02.52E+01.84E+01.34E+01.22E+02.16E+02.27E+02.17E+02.83E+00.48E+00.90E+00.90E+00.84E+01.81E+02.17E+02
1800.  .30E+02.11E+02.40E+02.52E+01.84E+01.34E+01.22E+02.12E+02.25E+02.14E+02.83E+00.48E+00.90E+00.90E+00.84E+01.68E+02.16E+02
1900.  .24E+02.69E+01.40E+02.52E+01.84E+01.34E+01.22E+02.82E+01.18E+02.90E+01.83E+00.48E+00.84E+00.90E+00.84E+01.47E+02.13E+02
2000.  .16E+02.38E+01.40E+02.52E+01.84E+01.32E+01.22E+02.53E+01.11E+02.50E+01.83E+00.48E+00.73E+00.90E+00.84E+01.29E+02.10E+02
2100.  .12E+02.27E+01.75E+01.52E+01.84E+01.32E+01.33E+01.39E+01.76E+01.30E+01.36E+00.48E+00.73E+00.90E+00.28E+01.20E+02.51E+01
2200.  .82E+01.20E+01.75E+01.52E+01.84E+01.32E+01.33E+01.27E+01.46E+01.82E+00.36E+00.48E+00.73E+00.90E+00.28E+01.13E+02.40E+01
2300.  .82E+01.20E+01.75E+01.52E+01.84E+01.32E+01.33E+01.27E+01.46E+01.82E+00.36E+00.48E+00.73E+00.90E+00.28E+01.13E+02.40E+01
2400.  .58E+01.87E+00.75E+01.52E+01.84E+01.32E+01.33E+01.11E+01.23E+01.39E+00.36E+00.48E+00.70E+00.90E+00.28E+01.12E+02.34E+01
2500.  .47E+00.13E+00.75E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.36E+00.48E+00.70E+00.90E+00.27E+01.54E+00.22E+01
2600.  .47E+00.13E+00.75E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.36E+00.48E+00.70E+00.90E+00.27E+01.54E+00.22E+01
2700.  .47E+00.13E+00.75E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.70E+00.90E+00.27E+01.54E+00.22E+01
2800.  .47E+00.13E+00.75E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.70E+00.90E+00.27E+01.54E+00.22E+01
2900.  .47E+00.13E+00.75E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.70E+00.90E+00.27E+01.54E+00.22E+01
3000.  .47E+00.13E+00.75E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.70E+00.90E+00.27E+01.54E+00.22E+01
3100.  .47E+00.13E+00.73E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.70E+00.90E+00.24E+01.54E+00.21E+01
3200.  .47E+00.13E+00.73E+01.52E+01.84E+01.32E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.70E+00.90E+00.23E+01.54E+00.21E+01
3300.  .47E+00.13E+00.73E+01.52E+01.83E+01.32E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.70E+00.90E+00.23E+01.54E+00.21E+01
3400.  .47E+00.13E+00.73E+01.51E+01.81E+01.30E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.64E+00.83E+00.23E+01.54E+00.21E+01
3500.  .47E+00.13E+00.73E+01.49E+01.77E+01.28E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.23E+01.54E+00.20E+01
3600.  .47E+00.13E+00.73E+01.49E+01.77E+01.28E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.23E+01.54E+00.20E+01
3700.  .47E+00.13E+00.73E+01.49E+01.77E+01.28E+01.33E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.23E+01.54E+00.20E+01
3800.  .47E+00.13E+00.73E+01.49E+01.77E+01.28E+01.32E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.22E+01.54E+00.20E+01
3900.  .47E+00.13E+00.73E+01.49E+01.77E+01.28E+01.31E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.21E+01.54E+00.20E+01
4000.  .47E+00.13E+00.73E+01.49E+01.77E+01.28E+01.31E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.21E+01.54E+00.20E+01
4100.  .47E+00.13E+00.73E+01.49E+01.77E+01.28E+01.31E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.21E+01.54E+00.20E+01
4200.  .47E+00.13E+00.73E+01.49E+01.76E+01.27E+01.31E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.21E+01.54E+00.20E+01
4300.  .47E+00.13E+00.73E+01.48E+01.76E+01.26E+01.31E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.21E+01.54E+00.20E+01
4400.  .47E+00.13E+00.73E+01.48E+01.76E+01.26E+01.31E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.21E+01.54E+00.20E+01
4500.  .47E+00.13E+00.73E+01.48E+01.76E+01.26E+01.31E+01.21E+00.39E+00.21E+00.35E+00.48E+00.59E+00.78E+00.21E+01.54E+00.20E+01
4600.  .47E+00.13E+00.16E+01.48E+01.76E+01.26E+01.11E+01.21E+00.39E+00.21E+00.29E+00.48E+00.59E+00.78E+00.12E+01.54E+00.14E+01
4700.  .47E+00.13E+00.25E+00.48E+01.76E+01.26E+01.61E+00.21E+00.39E+00.21E+00.27E+00.48E+00.59E+00.78E+00.93E+00.54E+00.13E+01
4800.  .47E+00.13E+00.25E+00.48E+01.76E+01.26E+01.61E+00.21E+00.39E+00.21E+00.27E+00.48E+00.59E+00.78E+00.93E+00.54E+00.13E+01
4900.  .47E+00.13E+00.25E+00.48E+01.76E+01.26E+01.61E+00.21E+00.39E+00.21E+00.27E+00.48E+00.59E+00.78E+00.93E+00.54E+00.13E+01
5000.  .47E+00.13E+00.25E+00.48E+01.76E+01.26E+01.61E+00.21E+00.39E+00.21E+00.27E+00.48E+00.55E+00.74E+00.93E+00.54E+00.13E+01
1          ********** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********
               Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
               SEASON=FALL
DISTANCE ********** WIND FROM **********
  FROM       N     NNE     NE     ENE      E     ESE      SE     SSE      S     SSW      SW     WSW      W     WNW      NW     NNW     ALL
 TOWER  ********** PLUME HEADED **********
  (M)        S     SSW     SW     WSW      W     WNW      NW     NNW      N     NNE      NE     ENE      E     ESE      SE     SSE     AVG

 5100.  .47E+00.13E+00.25E+00.48E+01.76E+01.26E+01.61E+00.21E+00.39E+00.21E+00.27E+00.48E+00.55E+00.74E+00.93E+00.54E+00.13E+01
 5200.  .47E+00.13E+00.25E+00.48E+01.76E+01.26E+01.61E+00.21E+00.39E+00.21E+00.27E+00.48E+00.55E+00.74E+00.93E+00.54E+00.13E+01
 5300.  .47E+00.13E+00.25E+00.48E+01.76E+01.26E+01.61E+00.21E+00.39E+00.21E+00.27E+00.48E+00.55E+00.74E+00.92E+00.54E+00.13E+01
 5400.  .45E+00.13E+00.25E+00.48E+01.76E+01.26E+01.60E+00.18E+00.38E+00.17E+00.26E+00.48E+00.55E+00.74E+00.88E+00.51E+00.13E+01
 5500.  .45E+00.13E+00.25E+00.48E+01.76E+01.26E+01.60E+00.18E+00.38E+00.17E+00.26E+00.48E+00.55E+00.74E+00.88E+00.51E+00.13E+01
 5600.  .45E+00.13E+00.25E+00.48E+01.76E+01.26E+01.60E+00.18E+00.38E+00.17E+00.26E+00.48E+00.55E+00.74E+00.88E+00.51E+00.13E+01
 5700.  .45E+00.13E+00.25E+00.48E+01.76E+01.26E+01.60E+00.18E+00.38E+00.17E+00.26E+00.48E+00.55E+00.74E+00.88E+00.51E+00.13E+01
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      5800. .45E+00.13E+00.25E+00.48E+01.76E+01.26E+01.59E+00.18E+00.38E+00.17E+00.26E+00.47E+00.55E+00.74E+00.88E+00.51E+00.13E+01
      5900. .45E+00.13E+00.24E+00.48E+01.76E+01.26E+01.56E+00.18E+00.38E+00.17E+00.26E+00.47E+00.55E+00.74E+00.87E+00.51E+00.13E+01
      6000. .45E+00.13E+00.24E+00.48E+01.76E+01.26E+01.55E+00.18E+00.38E+00.17E+00.26E+00.47E+00.54E+00.73E+00.86E+00.51E+00.13E+01
      6100. .44E+00.13E+00.24E+00.48E+01.76E+01.26E+01.55E+00.18E+00.38E+00.17E+00.26E+00.46E+00.53E+00.73E+00.86E+00.49E+00.13E+01
      6200. .44E+00.13E+00.24E+00.48E+01.76E+01.26E+01.55E+00.18E+00.37E+00.17E+00.26E+00.46E+00.53E+00.73E+00.86E+00.48E+00.13E+01
      6300. .44E+00.13E+00.24E+00.47E+01.75E+01.25E+01.55E+00.17E+00.36E+00.17E+00.26E+00.43E+00.46E+00.56E+00.86E+00.48E+00.12E+01
      6400. .44E+00.13E+00.24E+00.47E+01.75E+01.25E+01.55E+00.17E+00.36E+00.16E+00.26E+00.43E+00.46E+00.56E+00.86E+00.48E+00.12E+01
      6500. .44E+00.13E+00.18E+00.47E+01.75E+01.25E+01.34E+00.17E+00.36E+00.16E+00.24E+00.43E+00.46E+00.56E+00.83E+00.48E+00.12E+01
      6600. .44E+00.13E+00.18E+00.47E+01.74E+01.24E+01.32E+00.17E+00.36E+00.16E+00.24E+00.41E+00.46E+00.52E+00.83E+00.48E+00.12E+01
      6700. .41E+00.12E+00.18E+00.47E+01.74E+01.24E+01.32E+00.15E+00.33E+00.15E+00.24E+00.41E+00.46E+00.52E+00.83E+00.47E+00.12E+01
      6800. .30E+00.67E-01.18E+00.37E+01.57E+01.19E+01.32E+00.77E-01.21E+00.13E+00.24E+00.41E+00.43E+00.47E+00.83E+00.41E+00.96E+00
      6900. .30E+00.67E-01.18E+00.15E+01.17E+01.68E+00.32E+00.77E-01.21E+00.13E+00.24E+00.39E+00.36E+00.36E+00.83E+00.41E+00.49E+00
      7000. .30E+00.67E-01.16E+00.15E+01.17E+01.68E+00.31E+00.77E-01.21E+00.13E+00.24E+00.39E+00.36E+00.36E+00.76E+00.41E+00.48E+00
      7100. .30E+00.67E-01.11E+00.15E+01.17E+01.68E+00.29E+00.77E-01.21E+00.13E+00.23E+00.39E+00.36E+00.36E+00.60E+00.41E+00.46E+00
      7200. .30E+00.67E-01.11E+00.15E+01.17E+01.67E+00.29E+00.77E-01.21E+00.13E+00.23E+00.38E+00.36E+00.36E+00.60E+00.41E+00.46E+00
      7300. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      7400. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      7500. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      7600. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      7700. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      7800. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      7900. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      8000. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      8100. .30E+00.67E-01.11E+00.14E+01.15E+01.60E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.31E+00.33E+00.60E+00.41E+00.44E+00
      8200. .30E+00.67E-01.11E+00.76E+00.83E+00.38E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.30E+00.31E+00.60E+00.41E+00.33E+00
      8300. .30E+00.67E-01.11E+00.95E-01.12E+00.15E+00.29E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.60E+00.41E+00.23E+00
      8400. .30E+00.67E-01.93E-01.95E-01.12E+00.15E+00.27E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.58E+00.41E+00.23E+00
      8500. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      8600. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      8700. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      8800. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      8900. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      9000. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      9100. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      9200. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.41E+00.22E+00
      9300. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
      9400. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
      9500. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
      9600. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
      9700. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
      9800. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
      9900. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
     10000. .30E+00.67E-01.70E-01.95E-01.12E+00.15E+00.23E+00.77E-01.21E+00.13E+00.23E+00.32E+00.28E+00.28E+00.54E+00.39E+00.22E+00
1           ********************************** HOURS OF PLUME FOGGING TABLE **********************************
                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
                 SEASON=FALL
 DISTANCE ****************************************** WIND FROM ******************************************
   FROM       N    NNE    NE    ENE    E    ESE    SE   SSE    S    SSW    SW   WSW    W    WNW    NW   NNW   ALL
  TOWER     ***************************************** PLUME HEADED *****************************************
   (M)        S    SSW    SW    WSW    W    WNW    NW   NNW    N    NNE    NE   ENE    E    ESE    SE   SSE   SUM

     100.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     200.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     300.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     400.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     500.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     600.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     700.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     800.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
     900.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
    1000.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
    1100.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
    1200.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
    1300.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
    1400.     .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
```

1500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

1 ********** HOURS OF RIME ICING TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=FALL

DISTANCE	********** WIND FROM **********																	
FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL	
TOWER	********** PLUME HEADED **********																	
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM	
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
700.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
800.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
900.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1000.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

1

TOTAL RECORDS FOR SEASON ANNUAL = 17520

NUMBER OF STAGNANT CASES = 889

1 ********** FREQUENCY PERCENTAGE BY CATEGORY AND WIND DIRECTION **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=ANNUAL

CATEGORY	********** WIND FROM **********																
NUMBER	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
	********** PLUME HEADED **********																
	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
11	.48	.24	.32	.34	.75	.56	.47	.31	.50	.29	.40	.35	.48	.37	.35	.39	6.59
12	.38	.18	.13	.26	.27	.39	.43	.25	.62	.27	.25	.23	.25	.29	.34	.29	4.82
13	.31	.08	.17	.17	.28	.61	.78	.42	.70	.25	.27	.23	.23	.20	.19	.30	5.20
14	.21	.18	.38	.62	1.47	1.50	1.30	.45	.23	.15	.19	.29	.22	.17	.22	.11	7.67
15	.91	.85	2.27	3.73	6.85	4.96	4.58	1.76	1.14	.33	.43	.44	.49	.33	.46	.51	30.05
16	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.02
17	.01	.01	.02	.02	.05	.06	.08	.03	.02	.00	.01	.01	.01	.00	.00	.00	.30
18	.45	.37	.83	2.04	3.12	2.04	1.99	1.18	.44	.23	.18	.10	.21	.14	.18	.19	13.69
19	.02	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.00	.01	.01	.00	.02	.06
20	.03	.01	.01	.01	.02	.02	.04	.02	.03	.02	.03	.02	.02	.03	.02	.06	.41
21	.01	.00	.02	.03	.02	.03	.06	.07	.07	.03	.03	.08	.04	.03	.04	.03	.59
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
23	.07	.01	.07	.10	.23	.23	.14	.14	.09	.02	.04	.03	.03	.03	.09	.09	1.42
24	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
25	.05	.00	.00	.01	.06	.03	.03	.02	.02	.01	.00	.00	.00	.00	.01	.03	.27
26	.01	.01	.00	.00	.01	.00	.01	.00	.01	.01	.01	.00	.00	.01	.02	.02	.11
27	.02	.02	.03	.01	.03	.02	.02	.03	.03	.01	.02	.01	.01	.01	.03	.03	.33
28	.02	.00	.02	.01	.02	.02	.02	.01	.04	.01	.02	.03	.03	.01	.01	.05	.33
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01
30	.05	.01	.01	.04	.08	.14	.11	.07	.09	.04	.01	.03	.03	.03	.09	.11	.93
31	.01	.00	.00	.02	.03	.02	.01	.00	.00	.00	.00	.00	.01	.00	.01	.03	.14
32	.01	.00	.00	.00	.01	.00	.00	.00	.01	.01	.00	.01	.01	.01	.01	.00	.06
33	.02	.02	.01	.01	.01	.02	.02	.03	.03	.03	.02	.02	.05	.03	.02	.02	.37
34	.03	.01	.01	.01	.01	.02	.03	.03	.04	.05	.01	.02	.03	.03	.03	.05	.41
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01

3901	36	.16	.05	.05	.11	.27	.27	.22	.21	.31	.10	.07	.10	.11	.07	.25	.27	2.61
3902	37	.16	.03	.07	.06	.18	.21	.19	.11	.21	.14	.09	.14	.13	.15	.24	.34	2.45
3903	38	.13	.06	.05	.09	.13	.17	.19	.16	.24	.16	.18	.23	.22	.15	.32	.41	2.87
3904	39	.17	.05	.04	.06	.12	.15	.20	.13	.26	.10	.15	.17	.15	.17	.33	.47	2.71
3905	40	.17	.05	.02	.05	.10	.14	.11	.10	.21	.15	.19	.23	.22	.19	.45	.46	2.84
3906	41	.24	.03	.03	.02	.08	.10	.14	.13	.26	.15	.24	.26	.20	.18	.36	.43	2.82
3907	42	.17	.05	.03	.05	.12	.13	.15	.17	.26	.15	.19	.24	.16	.18	.29	.39	2.75
3908	43	.31	.03	.02	.03	.03	.07	.10	.11	.18	.18	.16	.17	.23	.21	.30	.51	2.65
3909	44	.20	.03	.01	.04	.07	.07	.13	.14	.38	.21	.21	.22	.25	.16	.30	.31	2.72
3910	45	.11	.04	.02	.02	.05	.07	.08	.05	.22	.18	.17	.21	.14	.07	.17	.18	1.78
3911		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3912	TOTALS	4.89	2.38	4.64	7.95	14.46	12.05	11.65	6.12	6.63	3.29	3.58	3.85	3.98	3.30	5.14	6.11	100.00

3913 1 ********** STABILITY CLASS BY WIND DIRECTION **********

3914 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3915 SEASON=ANNUAL

3916 ********** WIND FROM **********

3917	STABILITY	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
3918	CLASS	********** PLUME HEADED **********																
3919		S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
3920																		
3921	1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.01
3922	2	.03	.05	.03	.02	.03	.03	.02	.02	.03	.04	.05	.04	.06	.06	.03	.02	.02
3923	3	.12	.14	.12	.10	.13	.15	.15	.12	.10	.10	.13	.14	.13	.14	.10	.08	.06
3924	4	.50	.60	.69	.74	.70	.64	.61	.61	.41	.40	.36	.32	.34	.36	.43	.40	.09
3925	5	.20	.14	.12	.12	.12	.15	.16	.16	.28	.22	.21	.22	.20	.23	.23	.26	.10
3926	6	.12	.06	.03	.02	.02	.03	.05	.09	.16	.20	.19	.23	.22	.17	.18	.20	.24
3927	7	.02	.00	.00	.00	.00	.00	.01	.01	.02	.03	.05	.04	.05	.05	.03	.04	.48

3928

3929

3930 ********** WIND SPEED DISTRIBUTION BY DIRECTION AT REFERENCE HEIGHT OF 200. METERS **********

3931 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3932 SEASON=ANNUAL

3933 ********** WIND FROM **********

3934	WIND	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
3935	RANGE	********** PLUME HEADED **********																
3936		S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
3937																		
3938	1	.01	.01	.01	.00	.00	.00	.00	.01	.00	.01	.01	.02	.01	.02	.01	.01	1.00
3939	2	.35	.23	.10	.05	.06	.08	.10	.17	.34	.40	.46	.43	.49	.45	.38	.39	.00
3940	3	.64	.75	.89	.95	.94	.92	.90	.82	.65	.59	.53	.55	.50	.53	.61	.60	.00

3941

3942

3943 ********** COMBINED FACTORS BY WIND DIRECTION **********

3944 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

3945 SEASON=ANNUAL

3946 ********** WIND FROM **********

3947	COMBINED	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
3948	CLASS*	********** PLUME HEADED **********																
3949		S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	STAG.
3950																		
3951	1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
3952	2	.06	.04	.02	.01	.01	.01	.02	.02	.04	.06	.08	.08	.09	.09	.05	.04	.00
3953	3	.10	.14	.14	.12	.15	.17	.15	.11	.09	.09	.10	.10	.10	.11	.08	.06	.00
3954	4	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.01	.01	.19
3955	5	.25	.17	.08	.05	.05	.06	.08	.13	.24	.25	.26	.23	.26	.26	.25	.26	.00
3956	6	.45	.56	.72	.81	.77	.72	.70	.63	.45	.36	.31	.30	.27	.31	.40	.39	.00
3957	7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.72
3958	8	.05	.02	.00	.00	.00	.00	.01	.02	.06	.09	.11	.12	.13	.09	.08	.09	.00
3959	9	.09	.05	.03	.02	.02	.03	.05	.08	.12	.14	.13	.15	.14	.11	.13	.14	.00

3960

3961 * COMBINED CLASSES ARE DEFINED AS FOLLOWS:

3962 1=UNSTABLE, LOW WIND 2=UNSTABLE, MODERATE WIND 3=UNSTABLE, HIGH WIND

3963 4=NEUTRAL, LOW WIND 5=NEUTRAL MODERATE WIND 6=NEUTRAL, HIGH WIND

3964 7=STABLE, LOW WIND 8=STABLE, MODERATE WIND 9=STABLE, HIGH WIND

3965

3966
3967 1 ********** PLUME LENGTH FREQUENCY TABLE **********
3968 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
3969 SEASON=ANNUAL
3970 DISTANCE ********** WIND FROM **********
3971 FROM N NNE NE ENE E ESE SE SSE S SSW SW WSW W WNW NW NNW ALL
3972 TOWER ********** PLUME HEADED **********
3973 (M) S SSW SW WSW W WNW NW NNW N NNE NE ENE E ESE SE SSE SUM
3974

3975	100.	4.89	2.38	4.64	7.95	14.46	12.05	11.65	6.12	6.63	3.29	3.58	3.85	3.98	3.30	5.14	6.11	100.00
3976	200.	2.47	.65	.07	.15	.35	.44	.15	1.86	3.46	1.95	.04	.27	.21	.16	.10	4.48	16.82
3977	300.	2.04	.48	.00	.15	.35	.44	.00	1.60	2.81	1.65	.00	.27	.21	.14	.00	4.11	14.26
3978	400.	1.50	.34	.00	.02	.05	.07	.00	.98	2.01	1.29	.00	.21	.14	.07	.00	3.15	9.83
3979	500.	1.20	.23	.00	.02	.05	.07	.00	.69	1.51	1.03	.00	.21	.14	.07	.00	2.27	7.49
3980	600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3981	700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3982	800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3983	900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3984	1000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3985	1100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3986	1200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3987	1300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3988	1400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3989	1500.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3990	1600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3991	1700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3992	1800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3993	1900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3994	2000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3995	2100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3996	2200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3997	2300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3998	2400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
3999	2500.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4000	2600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4001	2700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4002	2800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4003	2900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4004	3000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4005	3100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4006	3200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4007	3300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4008	3400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4009	3500.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4010	3600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4011	3700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4012	3800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4013	3900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4014	4000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4015	4100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4016	4200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4017	4300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4018	4400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4019	4500.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4020	4600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4021	4700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4022	4800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4023	4900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4024	5000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35

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4026
4027 1 ********** PLUME LENGTH FREQUENCY TABLE **********
4028 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
4029 SEASON=ANNUAL
4030 DISTANCE ********** WIND FROM **********

	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	TOWER	**********							PLUME HEADED									
	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
	5100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5500.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	5900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6500.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	6900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	7000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	7100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	7200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	7300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	7400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
	7500.	.79	.15	.00	.02	.05	.07	.00	.47	1.04	.72	.00	.21	.14	.07	.00	1.39	5.13
	7600.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	7700.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	7800.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	7900.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8000.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8100.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8200.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8300.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8400.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8500.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8600.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8700.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8800.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	8900.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	9000.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	9100.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	9200.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	9300.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	9400.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	9500.	.48	.13	.00	.02	.05	.07	.00	.36	.86	.54	.00	.21	.14	.07	.00	.87	3.80
	9600.	.31	.07	.00	.02	.05	.07	.00	.19	.60	.38	.00	.21	.14	.07	.00	.49	2.60
	9700.	.31	.07	.00	.02	.05	.07	.00	.19	.60	.38	.00	.21	.14	.07	.00	.49	2.60
	9800.	.31	.07	.00	.02	.05	.07	.00	.19	.60	.38	.00	.21	.14	.07	.00	.49	2.60
	9900.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	10000.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

1 ********** PLUME HEIGHT FREQUENCY TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=ANNUAL

HEIGHT	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
	TOWER	**********							PLUME HEADED									
	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
	10.	4.89	2.38	4.64	7.95	14.46	12.05	11.65	6.12	6.63	3.29	3.58	3.85	3.98	3.30	5.14	6.11	100.00
	20.	3.27	.98	3.79	5.87	11.20	9.90	9.57	2.69	4.79	2.56	3.38	3.74	3.76	3.16	4.97	5.21	78.83
	30.	3.27	.98	.09	.23	.46	.58	.23	2.69	4.79	2.56	.21	.67	.68	.53	.27	5.21	23.45

4096	40.	2.67	.73	.09	.15	.35	.44	.22	2.17	4.10	2.22	.21	.27	.21	.16	.26	4.62	18.88
4097	50.	2.36	.65	.00	.15	.35	.44	.00	1.75	3.40	1.97	.00	.27	.21	.14	.00	4.33	16.02
4098	60.	1.60	.39	.00	.15	.35	.44	.00	1.07	2.11	1.36	.00	.27	.21	.14	.00	3.30	11.41
4099	70.	1.60	.39	.00	.02	.05	.07	.00	1.07	2.11	1.36	.00	.21	.14	.07	.00	3.30	10.40
4100	80.	1.60	.39	.00	.02	.05	.07	.00	1.07	2.11	1.36	.00	.21	.14	.07	.00	3.30	10.39
4101	90.	1.25	.27	.00	.02	.05	.07	.00	.76	1.58	1.08	.00	.21	.14	.07	.00	2.35	7.84
4102	100.	1.06	.21	.00	.02	.05	.07	.00	.63	1.34	.91	.00	.21	.14	.07	.00	1.85	6.56
4103	110.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4104	120.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4105	130.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4106	140.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4107	150.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4108	160.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4109	170.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4110	180.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4111	190.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4112	200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4113	210.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4114	220.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4115	230.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4116	240.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4117	250.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4118	260.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4119	270.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4120	280.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4121	290.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4122	300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4123	310.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4124	320.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4125	330.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4126	340.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4127	350.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4128	360.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4129	370.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4130	380.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4131	390.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4132	400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4133	410.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4134	420.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4135	430.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4136	440.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4137	450.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4138	460.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4139	470.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4140	480.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4141	490.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4142	500.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35

4143 1 ********** PLUME HEIGHT FREQUENCY TABLE **********

4144 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4145 SEASON=ANNUAL

4146	HEIGHT	********** WIND FROM **********																
4147	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4148	TOWER	********** PLUME HEADED **********																
4149	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
4150																		
4151	510.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4152	520.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4153	530.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4154	540.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4155	550.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4156	560.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4157	570.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4158	580.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4159	590.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4160	600.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35

4161	610.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4162	620.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4163	630.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4164	640.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4165	650.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4166	660.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4167	670.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4168	680.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4169	690.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4170	700.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4171	710.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4172	720.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4173	730.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4174	740.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4175	750.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4176	760.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4177	770.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4178	780.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4179	790.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4180	800.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4181	810.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4182	820.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4183	830.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4184	840.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4185	850.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4186	860.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4187	870.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4188	880.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4189	890.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4190	900.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4191	910.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4192	920.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4193	930.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4194	940.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4195	950.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4196	960.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4197	970.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4198	980.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4199	990.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4200	1000.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35

4201 1 ********** PLUME RADIUS FREQUENCY TABLE **********

4202 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4203 SEASON=ANNUAL

4204	MAXIMUM	********** WIND FROM **********																
4205	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4206	TOWER	********** PLUME HEADED **********																
4207	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
4208																		
4209	5.	4.89	2.38	4.64	7.95	14.46	12.05	11.65	6.12	6.63	3.29	3.58	3.85	3.98	3.30	5.14	6.11	100.00
4210	10.	4.89	2.38	4.64	7.95	14.46	12.05	11.65	6.12	6.63	3.29	3.58	3.85	3.98	3.30	5.14	6.11	100.00
4211	15.	4.88	2.38	.22	.61	1.33	1.57	.94	6.09	6.62	3.29	.91	1.68	1.62	1.40	1.75	6.11	41.38
4212	20.	4.43	2.01	.05	.23	.46	.58	.22	4.92	6.18	3.06	.33	.67	.68	.51	.49	5.91	30.71
4213	25.	3.75	1.59	.02	.06	.12	.14	.08	4.16	5.44	2.62	.17	.43	.39	.23	.17	5.41	24.78
4214	30.	2.79	.74	.02	.02	.05	.07	.08	2.38	4.29	2.27	.17	.21	.14	.07	.17	4.83	18.30
4215	35.	2.29	.55	.02	.02	.05	.07	.08	1.93	3.48	1.94	.17	.21	.14	.07	.17	4.33	15.52
4216	40.	1.64	.40	.02	.02	.05	.07	.08	1.12	2.18	1.42	.17	.21	.14	.07	.17	3.40	11.16
4217	45.	1.21	.24	.00	.02	.05	.07	.00	.69	1.52	1.03	.00	.21	.14	.07	.00	2.29	7.53
4218	50.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4219	55.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4220	60.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4221	65.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4222	70.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4223	75.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4224	80.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4225	85.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35

4226	90.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4227	95.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4228	100.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4229	105.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4230	110.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4231	115.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4232	120.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4233	125.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4234	130.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4235	135.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4236	140.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4237	145.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4238	150.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4239	155.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4240	160.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4241	165.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4242	170.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4243	175.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4244	180.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4245	185.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4246	190.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4247	195.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4248	200.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4249	205.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4250	210.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4251	215.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4252	220.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4253	225.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4254	230.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4255	235.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4256	240.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4257	245.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4258	250.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35

4259 1 ********** PLUME RADIUS FREQUENCY TABLE **********

4260 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4261 SEASON=ANNUAL

4262	MAXIMUM	**********							WIND FROM									
4263	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4264	TOWER	**********							PLUME HEADED									
4265	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
4266																		
4267	255.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4268	260.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4269	265.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4270	270.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4271	275.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4272	280.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4273	285.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4274	290.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4275	295.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4276	300.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4277	305.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4278	310.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4279	315.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4280	320.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4281	325.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4282	330.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4283	335.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4284	340.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4285	345.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4286	350.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4287	355.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4288	360.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4289	365.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4290	370.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35

4291	375.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4292	380.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4293	385.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4294	390.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4295	395.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4296	400.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4297	405.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4298	410.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4299	415.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4300	420.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4301	425.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4302	430.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4303	435.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4304	440.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4305	445.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4306	450.	1.03	.18	.00	.02	.05	.07	.00	.60	1.30	.87	.00	.21	.14	.07	.00	1.81	6.35
4307	455.	1.03	.18	.00	.00	.00	.00	.00	.60	1.30	.87	.00	.00	.00	.00	.00	1.81	5.79
4308	460.	1.03	.18	.00	.00	.00	.00	.00	.60	1.30	.87	.00	.00	.00	.00	.00	1.81	5.79
4309	465.	1.03	.18	.00	.00	.00	.00	.00	.60	1.30	.87	.00	.00	.00	.00	.00	1.81	5.79
4310	470.	1.03	.18	.00	.00	.00	.00	.00	.60	1.30	.87	.00	.00	.00	.00	.00	1.81	5.79
4311	475.	.72	.11	.00	.00	.00	.00	.00	.41	.70	.49	.00	.00	.00	.00	.00	1.33	3.75
4312	480.	.72	.11	.00	.00	.00	.00	.00	.41	.70	.49	.00	.00	.00	.00	.00	1.33	3.75
4313	485.	.72	.11	.00	.00	.00	.00	.00	.41	.70	.49	.00	.00	.00	.00	.00	1.33	3.75
4314	490.	.72	.11	.00	.00	.00	.00	.00	.41	.70	.49	.00	.00	.00	.00	.00	1.33	3.75
4315	495.	.72	.11	.00	.00	.00	.00	.00	.41	.70	.49	.00	.00	.00	.00	.00	1.33	3.75
4316	500.	.72	.11	.00	.00	.00	.00	.00	.41	.70	.49	.00	.00	.00	.00	.00	1.33	3.75

4317 1 ********** HOURS OF PLUME SHADOWING TABLE **********

4318 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4319 SEASON=ANNUAL

4320 DISTANCE	********** WIND FROM **********																
4321 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4322 TOWER	********** PLUME HEADED **********																
4323 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
4324																	
4325 200.	272.1	286.8	332.3	454.8	646.1	599.0	437.4	375.9	314.9	323.3	451.7	519.0	482.4	357.9	278.0	267.8	400.0
4326 400.	103.2	124.9	129.3	193.0	158.0	143.4	93.0	97.8	99.3	83.2	58.7	99.2	96.8	81.8	50.0	80.5	105.8
4327 600.	74.9	87.6	97.2	99.7	72.5	69.9	57.0	71.9	70.3	44.6	20.9	40.4	39.3	56.1	18.6	27.8	59.3
4328 800.	55.0	77.3	78.1	71.2	47.5	39.3	41.9	53.3	55.9	27.9	14.4	21.4	15.6	40.5	9.6	17.5	41.7
4329 1000.	41.9	73.5	68.2	51.0	35.6	29.8	34.0	45.5	45.5	22.5	11.4	10.3	11.8	31.8	7.7	13.2	33.4
4330 1200.	34.0	68.7	66.4	40.1	25.6	26.4	28.2	42.8	35.9	19.8	10.7	6.5	9.4	28.1	6.7	12.2	28.8
4331 1400.	30.6	64.9	64.9	35.0	21.1	22.5	22.3	38.8	35.1	18.8	10.7	6.9	7.6	20.8	6.7	10.2	26.0
4332 1600.	28.7	63.0	62.5	32.1	21.1	22.0	22.3	38.0	33.1	18.8	8.7	6.0	7.6	18.5	6.7	10.2	24.9
4333 1800.	28.7	62.0	60.1	29.1	20.1	22.0	21.4	38.0	32.1	18.8	8.7	6.0	5.9	15.4	6.7	10.2	24.1
4334 2000.	26.1	57.9	59.5	27.6	18.1	20.7	19.0	36.7	29.8	18.8	8.7	6.0	5.9	9.6	5.7	10.2	22.5
4335 2200.	26.1	57.9	58.2	26.5	17.1	20.0	18.4	36.7	29.8	17.8	8.7	6.0	5.4	7.7	5.7	10.2	22.0
4336 2400.	26.1	57.9	57.2	25.8	16.2	19.3	15.8	35.7	27.0	17.8	8.7	5.2	5.4	8.3	5.7	9.2	21.3
4337 2600.	24.7	57.9	54.2	23.2	15.3	18.2	15.8	33.7	26.0	17.8	8.0	5.2	5.4	8.8	5.7	8.2	20.5
4338 2800.	23.3	57.9	54.2	23.2	15.3	17.6	15.8	32.7	26.0	17.8	6.7	5.2	5.4	7.0	5.7	8.2	20.1
4339 3000.	23.3	57.0	52.0	22.0	14.5	17.0	15.8	32.7	26.0	16.8	6.7	5.2	5.4	7.0	5.7	8.2	19.7
4340 3200.	21.3	57.0	52.0	21.2	13.7	15.7	15.8	31.9	26.0	16.8	6.7	3.9	5.4	7.0	4.5	8.2	19.2
4341 3400.	21.3	55.6	52.0	20.0	12.7	14.8	14.8	28.8	26.0	15.8	6.7	3.2	4.1	5.8	4.5	8.2	18.4
4342 3600.	19.8	54.1	52.0	19.3	12.7	14.3	14.8	27.8	26.0	13.8	6.7	3.2	4.1	5.8	4.5	8.2	17.9
4343 3800.	18.8	51.9	50.5	19.3	12.7	13.1	13.6	27.8	25.0	13.8	5.5	4.4	4.1	6.3	4.5	8.2	17.5
4344 4000.	18.8	50.6	46.6	19.3	12.7	12.3	13.6	27.8	25.0	13.8	5.5	3.2	3.4	4.9	4.5	8.2	16.9
4345 4200.	17.5	50.6	45.6	17.9	12.7	12.3	13.6	27.8	25.0	13.8	5.5	3.2	3.4	4.9	4.5	8.2	16.6
4346 4400.	17.5	49.2	44.6	17.9	12.7	12.3	13.6	27.8	24.0	13.8	5.5	3.2	3.4	4.9	4.5	8.2	16.4
4347 4600.	17.5	47.8	42.4	17.9	12.7	12.3	13.6	27.8	21.7	13.8	5.5	3.2	3.4	4.9	4.5	8.2	16.1
4348 4800.	17.5	46.8	38.9	16.2	12.7	12.3	13.6	27.8	21.7	13.8	5.5	3.2	3.4	4.4	4.5	7.2	15.6
4349 5000.	17.5	45.3	37.7	16.2	12.7	12.3	13.6	27.8	21.7	13.8	5.5	3.2	3.4	4.4	4.5	6.2	15.3
4350 5200.	14.1	45.3	36.7	16.2	12.7	12.3	13.6	27.8	21.7	13.8	5.5	3.2	3.4	4.4	4.5	5.2	15.0
4351 5400.	13.1	44.0	36.7	16.2	12.0	12.8	13.6	27.8	21.7	12.5	5.5	3.2	3.4	4.4	4.5	5.2	14.8
4352 5600.	13.1	44.0	35.4	16.2	12.0	12.8	13.6	26.8	20.7	12.5	5.5	3.2	3.4	4.4	4.5	5.2	14.6
4353 5800.	13.1	41.0	35.4	16.2	12.0	12.8	13.6	26.8	20.7	12.5	5.5	3.2	3.4	4.9	4.5	5.2	14.4
4354 6000.	13.1	40.1	33.0	16.2	12.0	12.8	13.6	26.8	20.7	12.5	5.5	3.2	3.4	4.9	4.5	5.2	14.2
4355 6200.	9.8	38.6	33.0	14.8	12.0	12.8	13.6	26.8	19.3	12.5	5.5	3.2	3.4	4.9	4.5	5.2	13.7

4356	6400.	8.3	37.6	31.8	13.6	12.0	12.8	13.6	25.8	17.9	12.5	5.5	3.2	3.4	4.9	4.5	5.2	13.3
4357	6600.	7.3	36.3	31.8	13.6	12.0	12.3	12.6	25.8	16.9	12.5	5.5	3.2	3.4	4.9	4.5	4.2	12.9
4358	6800.	6.3	36.3	31.8	13.6	12.0	12.3	12.6	25.8	15.9	12.5	5.5	3.2	3.4	4.9	4.5	3.2	12.7
4359	7000.	6.3	32.8	30.0	13.6	12.0	12.3	12.6	24.4	14.9	12.5	5.5	3.2	3.4	4.9	4.5	2.2	12.2
4360	7200.	6.3	29.3	30.0	13.6	12.0	11.8	12.6	24.4	14.9	10.5	5.5	3.2	3.4	4.9	4.5	2.2	11.8
4361	7400.	5.3	27.0	28.6	13.6	12.0	11.8	11.6	24.4	13.5	10.5	5.5	3.2	3.4	4.9	4.5	2.2	11.4
4362	7600.	5.3	25.7	27.4	13.6	12.0	11.8	11.6	24.4	13.5	9.5	5.5	3.2	3.4	4.4	4.5	2.2	11.1
4363	7800.	3.3	24.4	24.9	13.6	12.0	11.8	10.9	23.4	12.5	7.3	5.5	3.2	3.4	3.8	3.4	2.2	10.3
4364	8000.	1.2	20.3	24.9	13.6	12.0	11.8	10.9	23.4	12.5	7.3	2.0	3.2	3.4	3.8	3.4	2.2	9.7

4365 1 ********** TOTAL SOLAR ENERGY LOSS TABLE (MJ/M**2)**********

4366 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4367 SEASON=ANNUAL

4368 DISTANCE	********** WIND FROM **********																
4369 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4370 TOWER	********** PLUME HEADED **********																
4371 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
4372																	
4373 200.	150.8	144.9	150.9	180.8	281.6	281.0	295.9	306.7	246.4	215.9	245.6	227.5	179.5	123.5	120.1	135.4	205.4
4374 400.	38.7	48.8	40.2	44.0	41.0	37.8	28.6	56.4	55.8	37.6	18.4	14.9	14.8	9.9	16.6	32.0	33.5
4375 600.	26.8	32.9	28.1	21.5	12.5	12.7	15.5	39.5	36.0	22.1	6.0	5.1	5.3	3.2	6.5	12.6	17.9
4376 800.	21.0	28.5	20.7	14.4	5.5	5.9	10.1	32.1	32.1	14.0	4.0	3.0	2.2	2.8	4.6	9.4	13.1
4377 1000.	17.6	27.3	18.6	10.3	3.4	3.0	7.4	28.4	26.1	11.3	3.7	1.7	2.1	2.7	3.5	7.6	10.9
4378 1200.	14.9	25.3	18.3	7.8	1.9	2.9	5.9	26.8	20.0	10.7	3.6	1.3	2.1	2.7	3.0	7.3	9.7
4379 1400.	13.8	23.5	18.3	6.8	1.3	2.7	4.9	23.1	20.0	10.0	3.6	1.8	1.7	1.9	3.0	6.9	9.0
4380 1600.	13.7	23.1	17.8	6.0	1.3	2.7	4.9	23.1	18.8	10.0	2.4	1.7	1.7	1.9	3.0	6.9	8.7
4381 1800.	13.7	22.7	17.3	5.9	1.2	2.7	4.9	23.1	18.0	10.0	2.4	1.7	1.5	1.8	3.0	6.9	8.6
4382 2000.	12.9	22.2	17.3	5.0	.8	2.7	4.0	22.7	16.5	10.0	2.4	1.7	1.5	1.7	1.6	6.9	8.1
4383 2200.	12.9	22.2	16.9	4.9	.7	2.7	4.0	22.7	16.5	9.6	2.4	1.7	1.5	1.7	1.6	6.9	8.1
4384 2400.	12.9	22.2	16.7	4.8	.6	2.7	3.3	21.0	15.2	9.6	2.4	1.7	1.5	1.7	1.6	5.9	7.7
4385 2600.	12.1	22.2	16.2	4.4	.6	2.7	3.3	19.4	14.8	9.6	2.4	1.7	1.5	2.1	1.6	5.4	7.5
4386 2800.	11.6	22.2	16.2	4.4	.6	2.7	3.3	18.9	14.8	9.6	2.0	1.7	1.5	2.0	1.6	5.4	7.4
4387 3000.	11.6	22.1	15.7	4.0	.5	2.7	3.3	18.9	14.8	9.1	2.0	1.7	1.5	2.0	1.6	5.4	7.3
4388 3200.	10.7	22.1	15.7	4.0	.5	2.7	3.3	18.8	14.8	9.1	2.0	1.2	1.5	2.0	1.2	5.4	7.2
4389 3400.	10.7	21.3	15.7	3.6	.4	2.6	3.2	18.1	14.8	8.8	2.0	1.2	1.0	1.7	1.2	5.4	7.0
4390 3600.	9.8	20.4	15.7	3.6	.4	2.6	3.2	16.1	14.8	7.7	2.0	1.2	1.0	1.7	1.2	5.4	6.7
4391 3800.	9.8	18.4	14.8	3.6	.4	2.6	2.8	16.1	14.1	7.7	1.6	1.6	1.0	1.7	1.2	5.4	6.4
4392 4000.	9.8	17.9	13.1	3.6	.4	2.5	2.8	16.1	14.1	7.7	1.6	1.2	1.0	1.6	1.2	5.4	6.3
4393 4200.	9.2	17.9	13.1	2.9	.4	2.5	2.8	16.1	14.1	7.7	1.6	1.2	1.0	1.6	1.2	5.4	6.2
4394 4400.	9.2	17.3	12.7	2.9	.4	2.5	2.8	16.1	12.8	7.7	1.6	1.2	1.0	1.6	1.2	5.4	6.0
4395 4600.	9.2	16.4	12.2	2.9	.4	2.5	2.8	16.1	11.1	7.7	1.6	1.2	1.0	1.6	1.2	5.4	5.8
4396 4800.	9.2	16.1	10.7	2.7	.4	2.5	2.8	16.1	11.1	7.7	1.6	1.2	1.0	1.6	1.2	4.8	5.7
4397 5000.	9.2	15.3	10.3	2.7	.4	2.5	2.8	16.1	11.1	7.7	1.6	1.2	1.0	1.6	1.2	3.9	5.6
4398 5200.	7.7	15.3	9.9	2.7	.4	2.5	2.8	16.1	11.1	7.7	1.6	1.2	1.0	1.6	1.2	3.6	5.4
4399 5400.	7.0	14.6	9.9	2.7	.4	2.5	2.8	16.1	11.1	7.3	1.6	1.2	1.0	1.6	1.2	3.6	5.3
4400 5600.	7.0	14.6	9.5	2.7	.4	2.5	2.8	16.1	10.8	7.3	1.6	1.2	1.0	1.6	1.2	3.6	5.3
4401 5800.	7.0	13.6	9.5	2.7	.4	2.5	2.8	16.1	10.8	7.3	1.6	1.2	1.0	1.6	1.2	3.6	5.2
4402 6000.	7.0	13.5	8.5	2.7	.4	2.5	2.8	16.1	10.8	7.3	1.6	1.2	1.0	1.6	1.2	3.6	5.1
4403 6200.	5.2	12.7	8.5	2.1	.4	2.5	2.8	16.1	10.2	7.3	1.6	1.2	1.0	1.6	1.2	3.6	4.9
4404 6400.	4.4	12.4	8.1	1.7	.4	2.5	2.8	14.5	9.7	7.3	1.6	1.2	1.0	1.6	1.2	3.6	4.6
4405 6600.	3.1	12.1	8.1	1.7	.4	2.5	2.7	14.5	9.2	7.3	1.6	1.2	1.0	1.6	1.2	2.6	4.4
4406 6800.	2.5	12.1	8.1	1.7	.4	2.5	2.7	14.5	8.7	7.3	1.6	1.2	1.0	1.6	1.2	2.0	4.3
4407 7000.	2.5	10.9	8.0	1.7	.4	2.5	2.7	14.0	8.2	7.3	1.6	1.2	1.0	1.6	1.2	.8	4.1
4408 7200.	2.5	9.8	8.0	1.7	.4	2.5	2.7	14.0	8.2	6.8	1.6	1.2	1.0	1.6	1.2	.8	4.0
4409 7400.	2.2	9.2	7.3	1.7	.4	2.5	2.6	14.0	7.6	6.8	1.6	1.2	1.0	1.6	1.2	.8	3.9
4410 7600.	2.2	8.8	6.9	1.7	.4	2.5	2.6	14.0	7.6	6.1	1.6	1.2	1.0	1.6	1.2	.8	3.8
4411 7800.	1.6	8.4	6.2	1.7	.4	2.5	2.6	12.9	7.4	5.5	1.6	1.2	1.0	1.6	1.0	.8	3.5
4412 8000.	.4	6.9	6.2	1.7	.4	2.5	2.6	12.9	7.4	5.5	.5	1.2	1.0	1.6	1.0	.8	3.3

4413 1 ********** PERCENT TOTAL ENERGY LOSS TABLE **********

4414 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4415 SEASON=ANNUAL

4416 DISTANCE	********** WIND FROM **********																
4417 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4418 TOWER	********** PLUME HEADED **********																
4419 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
4420																	

4421	200.	1.1	1.1	1.1	1.3	2.0	2.0	2.2	2.2	1.8	1.6	1.8	1.7	1.3	.9	.9	1.0	1.5
4422	400.	.3	.4	.3	.3	.3	.3	.2	.4	.4	.3	.1	.1	.1	.1	.1	.2	.2
4423	600.	.2	.2	.2	.2	.1	.1	.1	.3	.3	.2	.0	.0	.0	.0	.0	.1	.1
4424	800.	.2	.2	.2	.1	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4425	1000.	.1	.2	.1	.1	.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4426	1200.	.1	.2	.1	.1	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1
4427	1400.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4428	1600.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4429	1800.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4430	2000.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4431	2200.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4432	2400.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4433	2600.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
4434	2800.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
4435	3000.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
4436	3200.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
4437	3400.	.1	.2	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
4438	3600.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4439	3800.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4440	4000.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4441	4200.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4442	4400.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4443	4600.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4444	4800.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4445	5000.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4446	5200.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4447	5400.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4448	5600.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4449	5800.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4450	6000.	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4451	6200.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4452	6400.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4453	6600.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4454	6800.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4455	7000.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
4456	7200.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
4457	7400.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
4458	7600.	.0	.1	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
4459	7800.	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
4460	8000.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0

4461 1 ********** PERCENT BEAM ENERGY LOSS TABLE **********

4462 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4463 SEASON=ANNUAL

4464	DISTANCE	********** WIND FROM **********																
4465	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4466	TOWER	********** PLUME HEADED **********																
4467	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
4468																		
4469	200.	1.8	1.7	1.8	2.1	3.3	3.3	3.4	3.6	2.9	2.5	2.9	2.6	2.1	1.4	1.4	1.6	2.4
4470	400.	.5	.6	.5	.5	.5	.4	.3	.7	.6	.4	.2	.2	.2	.1	.2	.4	.4
4471	600.	.3	.4	.3	.2	.1	.1	.2	.5	.4	.3	.1	.1	.1	.0	.1	.1	.2
4472	800.	.2	.3	.2	.2	.1	.1	.1	.4	.4	.2	.0	.0	.0	.0	.1	.1	.2
4473	1000.	.2	.3	.2	.1	.0	.0	.1	.3	.3	.1	.0	.0	.0	.0	.0	.1	.1
4474	1200.	.2	.3	.2	.1	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
4475	1400.	.2	.3	.2	.1	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
4476	1600.	.2	.3	.2	.1	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
4477	1800.	.2	.3	.2	.1	.0	.0	.1	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
4478	2000.	.2	.3	.2	.1	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
4479	2200.	.2	.3	.2	.1	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1
4480	2400.	.2	.3	.2	.1	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4481	2600.	.1	.3	.2	.1	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4482	2800.	.1	.3	.2	.1	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4483	3000.	.1	.3	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4484	3200.	.1	.3	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4485	3400.	.1	.2	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1

4486	3600.	.1	.2	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4487	3800.	.1	.2	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4488	4000.	.1	.2	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4489	4200.	.1	.2	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1
4490	4400.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1
4491	4600.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1
4492	4800.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1
4493	5000.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4494	5200.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4495	5400.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4496	5600.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4497	5800.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4498	6000.	.1	.2	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4499	6200.	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4500	6400.	.1	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4501	6600.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4502	6800.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1
4503	7000.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
4504	7200.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
4505	7400.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
4506	7600.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
4507	7800.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
4508	8000.	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0

4509 1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

4510 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4511 SEASON=ANNUAL

4512	DISTANCE	********** WIND FROM **********																
4513	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4514	TOWER	********** PLUME HEADED **********																
4515	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
4516																		
4517	100.	35.69	24.45	1.13	3.20	5.87	6.13	3.08	68.68	41.87	19.31	1.09	3.33	3.46	2.97	1.52	27.57	15.58
4518	200.	88.31	65.77	3.69	6.47	11.90	10.76	9.12	185.54	99.05	44.03	1.92	4.26	4.43	3.75	2.60	56.84	37.40
4519	300.	36.20	24.54	3.62	5.38	10.01	8.53	8.91	77.68	41.74	20.20	1.89	2.69	2.67	2.18	2.57	24.42	17.08
4520	400.	5.45	2.64	2.74	3.74	6.80	5.72	7.28	9.76	7.06	3.22	1.95	1.39	1.42	1.15	2.49	4.81	4.23
4521	500.	1.27	.27	1.79	3.51	6.43	5.34	4.44	1.35	1.91	.90	1.06	1.31	1.34	1.08	1.45	2.07	2.22
4522	600.	.95	.23	1.51	2.47	4.45	3.79	3.76	1.04	1.55	.72	.83	1.14	1.16	.95	1.15	1.58	1.71
4523	700.	.73	.21	.71	1.12	1.84	1.71	2.11	.73	1.23	.60	.67	.87	.90	.76	.96	1.23	1.02
4524	800.	.68	.20	.50	.67	1.10	1.10	1.52	.66	1.14	.56	.59	.59	.62	.50	.85	1.12	.78
4525	900.	.68	.20	.47	.29	.51	.64	1.42	.66	1.14	.56	.54	.34	.34	.26	.71	1.12	.62
4526	1000.	.68	.20	.44	.23	.38	.53	1.29	.66	1.14	.56	.42	.24	.22	.17	.48	1.12	.55
4527	1100.	.68	.20	.38	.21	.36	.50	1.12	.66	1.14	.56	.27	.18	.18	.15	.27	1.12	.50
4528	1200.	.68	.20	.37	.20	.35	.49	1.07	.66	1.14	.56	.22	.16	.16	.14	.20	1.12	.48
4529	1300.	.68	.20	.34	.18	.32	.43	.95	.66	1.14	.56	.18	.14	.14	.12	.17	1.12	.46
4530	1400.	.67	.20	.29	.12	.21	.19	.69	.64	1.11	.55	.09	.05	.05	.04	.10	1.10	.38
4531	1500.	.62	.19	.29	.12	.21	.19	.68	.57	1.01	.52	.09	.05	.05	.04	.10	1.01	.36
4532	1600.	.51	.13	.29	.12	.21	.19	.68	.50	.83	.44	.09	.05	.05	.04	.10	.92	.32
4533	1700.	.48	.12	.29	.12	.21	.19	.68	.48	.78	.42	.09	.05	.05	.04	.10	.89	.31
4534	1800.	.41	.10	.29	.12	.21	.19	.68	.42	.69	.34	.09	.05	.05	.04	.10	.76	.28
4535	1900.	.34	.07	.29	.12	.21	.19	.68	.35	.58	.28	.09	.05	.05	.04	.10	.57	.25
4536	2000.	.26	.05	.29	.12	.21	.19	.68	.29	.47	.21	.09	.05	.05	.04	.10	.37	.22
4537	2100.	.22	.04	.11	.12	.21	.19	.27	.26	.41	.18	.05	.05	.05	.04	.07	.28	.16
4538	2200.	.19	.04	.11	.12	.21	.19	.27	.21	.35	.15	.05	.05	.05	.04	.07	.22	.14
4539	2300.	.19	.04	.11	.12	.21	.19	.27	.21	.35	.15	.05	.05	.05	.04	.07	.22	.14
4540	2400.	.11	.02	.11	.12	.21	.19	.27	.11	.17	.08	.05	.05	.05	.04	.07	.15	.11
4541	2500.	.03	.01	.11	.12	.21	.19	.27	.05	.07	.03	.05	.05	.05	.04	.07	.04	.09
4542	2600.	.03	.01	.11	.12	.21	.19	.27	.05	.07	.03	.05	.05	.05	.04	.07	.04	.09
4543	2700.	.03	.01	.11	.12	.21	.19	.27	.05	.07	.03	.05	.05	.05	.04	.07	.04	.09
4544	2800.	.03	.01	.11	.12	.21	.19	.27	.05	.07	.03	.05	.05	.05	.04	.07	.04	.09
4545	2900.	.03	.01	.11	.12	.21	.19	.27	.05	.07	.03	.05	.05	.05	.04	.07	.04	.09
4546	3000.	.03	.01	.11	.12	.21	.19	.27	.05	.07	.03	.05	.05	.05	.04	.07	.04	.09
4547	3100.	.03	.01	.11	.12	.21	.19	.26	.05	.07	.03	.05	.05	.05	.04	.06	.04	.09
4548	3200.	.03	.01	.11	.12	.21	.19	.26	.05	.07	.03	.05	.05	.05	.04	.06	.04	.09
4549	3300.	.03	.01	.11	.12	.21	.19	.26	.05	.07	.03	.05	.05	.05	.04	.06	.04	.08
4550	3400.	.03	.01	.11	.11	.21	.18	.26	.05	.07	.03	.05	.04	.05	.04	.06	.04	.08

4551	3500.	.03	.01	.11	.11	.19	.17	.25	.05	.07	.03	.05	.04	.04	.03	.06	.04	.08
4552	3600.	.03	.01	.11	.11	.19	.17	.25	.05	.07	.03	.05	.04	.04	.03	.06	.04	.08
4553	3700.	.03	.01	.11	.11	.19	.17	.25	.05	.07	.03	.05	.04	.04	.03	.06	.04	.08
4554	3800.	.03	.01	.11	.11	.19	.17	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4555	3900.	.03	.01	.11	.11	.19	.17	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4556	4000.	.03	.01	.11	.11	.19	.17	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4557	4100.	.03	.01	.11	.11	.19	.17	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4558	4200.	.03	.01	.11	.11	.19	.16	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4559	4300.	.03	.01	.11	.11	.19	.16	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4560	4400.	.03	.01	.11	.11	.19	.16	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4561	4500.	.03	.01	.11	.11	.19	.16	.25	.05	.07	.03	.05	.04	.04	.03	.05	.04	.08
4562	4600.	.03	.01	.03	.11	.19	.16	.10	.05	.07	.03	.03	.04	.04	.03	.04	.04	.06
4563	4700.	.03	.01	.02	.11	.19	.16	.07	.05	.07	.03	.03	.04	.04	.03	.03	.04	.06
4564	4800.	.03	.01	.02	.11	.19	.16	.07	.05	.07	.03	.03	.04	.04	.03	.03	.04	.06
4565	4900.	.03	.01	.02	.11	.19	.16	.07	.05	.07	.03	.03	.04	.04	.03	.03	.04	.06
4566	5000.	.03	.01	.02	.11	.19	.16	.07	.05	.07	.03	.03	.04	.04	.03	.03	.04	.06

4567 1 ********** PLUME SALT DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

4568 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4569 SEASON=ANNUAL

4570	DISTANCE	********** WIND FROM **********																
4571	FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4572	TOWER	********** PLUME HEADED **********																
4573	(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
4574																		
4575	5100.	.03	.01	.02	.11	.19	.16	.07	.05	.07	.03	.03	.04	.04	.03	.03	.04	.06
4576	5200.	.03	.01	.02	.11	.19	.16	.07	.05	.07	.03	.03	.04	.04	.03	.03	.04	.06
4577	5300.	.03	.01	.02	.11	.19	.16	.06	.05	.07	.03	.03	.04	.04	.03	.03	.04	.06
4578	5400.	.03	.01	.02	.11	.19	.16	.06	.04	.07	.03	.03	.04	.04	.03	.03	.04	.06
4579	5500.	.03	.01	.02	.11	.19	.16	.06	.04	.07	.03	.03	.04	.04	.03	.03	.04	.06
4580	5600.	.03	.01	.02	.11	.19	.16	.06	.04	.07	.03	.03	.04	.04	.03	.03	.04	.06
4581	5700.	.03	.01	.02	.11	.19	.16	.06	.04	.07	.03	.03	.04	.04	.03	.03	.04	.06
4582	5800.	.03	.01	.02	.11	.19	.16	.06	.04	.07	.03	.03	.04	.04	.03	.03	.04	.06
4583	5900.	.03	.01	.01	.11	.19	.16	.06	.04	.07	.03	.03	.04	.04	.03	.03	.04	.06
4584	6000.	.03	.01	.01	.11	.18	.16	.06	.04	.07	.03	.02	.04	.04	.03	.03	.04	.06
4585	6100.	.03	.01	.01	.10	.18	.16	.06	.04	.07	.03	.02	.04	.04	.03	.03	.03	.06
4586	6200.	.03	.01	.01	.10	.18	.16	.06	.04	.07	.03	.02	.04	.04	.03	.03	.03	.05
4587	6300.	.03	.01	.01	.10	.18	.15	.06	.04	.06	.02	.02	.03	.03	.03	.03	.03	.05
4588	6400.	.03	.01	.01	.10	.18	.15	.06	.04	.06	.02	.02	.03	.03	.03	.03	.03	.05
4589	6500.	.03	.01	.01	.10	.18	.15	.03	.04	.06	.02	.01	.03	.03	.03	.02	.03	.05
4590	6600.	.03	.01	.01	.10	.17	.13	.02	.04	.06	.02	.01	.02	.02	.02	.02	.03	.04
4591	6700.	.02	.01	.01	.10	.17	.13	.02	.03	.05	.02	.01	.02	.02	.02	.02	.03	.04
4592	6800.	.01	.00	.01	.08	.13	.10	.02	.01	.01	.01	.01	.02	.02	.02	.02	.01	.03
4593	6900.	.01	.00	.01	.03	.05	.04	.02	.01	.01	.01	.01	.01	.02	.01	.02	.01	.02
4594	7000.	.01	.00	.01	.03	.05	.04	.02	.01	.01	.01	.01	.01	.02	.01	.02	.01	.02
4595	7100.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.02	.01	.02	.01	.02
4596	7200.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.02	.01	.02	.01	.02
4597	7300.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4598	7400.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4599	7500.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4600	7600.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4601	7700.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4602	7800.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4603	7900.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4604	8000.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4605	8100.	.01	.00	.00	.03	.05	.04	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02
4606	8200.	.01	.00	.00	.02	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01
4607	8300.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01
4608	8400.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4609	8500.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4610	8600.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4611	8700.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4612	8800.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4613	8900.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4614	9000.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4615	9100.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01

4616	9200.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4617	9300.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4618	9400.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4619	9500.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4620	9600.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4621	9700.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4622	9800.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4623	9900.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
4624	10000.	.01	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01

4625 1 ********** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********

4626 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower

4627 SEASON=ANNUAL

4628 DISTANCE	********** WIND FROM **********																
4629 FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
4630 TOWER	********** PLUME HEADED **********																
4631 (M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	AVG
4632																	
4633 100.	.35E+04	.24E+04	.11E+03	.30E+03	.54E+03	.57E+03	.29E+03	.67E+04	.41E+04	.19E+04	.10E+03	.31E+03	.32E+03	.28E+03	.14E+03	.27E+04	.15E+04
4634 200.	.86E+04	.64E+04	.36E+03	.60E+03	.11E+04	.10E+04	.88E+03	.18E+05	.95E+04	.42E+04	.18E+03	.40E+03	.41E+03	.35E+03	.25E+03	.55E+04	.36E+04
4635 300.	.34E+04	.24E+04	.35E+03	.49E+03	.92E+03	.78E+03	.86E+03	.74E+04	.38E+04	.19E+04	.18E+03	.25E+03	.24E+03	.20E+03	.25E+03	.22E+04	.16E+04
4636 400.	.48E+03	.24E+03	.26E+03	.31E+03	.56E+03	.47E+03	.68E+03	.89E+03	.57E+03	.27E+03	.18E+03	.11E+03	.12E+03	.94E+02	.23E+03	.41E+03	.37E+03
4637 500.	.10E+03	.19E+02	.16E+03	.28E+03	.51E+03	.41E+03	.39E+03	.11E+03	.14E+03	.68E+02	.86E+02	.96E+02	.99E+02	.79E+02	.12E+03	.18E+03	.18E+03
4638 600.	.70E+02	.16E+02	.14E+03	.19E+03	.34E+03	.28E+03	.32E+03	.75E+02	.11E+03	.50E+02	.64E+02	.82E+02	.83E+02	.69E+02	.95E+02	.13E+03	.13E+03
4639 700.	.48E+02	.13E+02	.53E+02	.78E+02	.13E+03	.11E+03	.15E+03	.44E+02	.74E+02	.38E+02	.47E+02	.60E+02	.62E+02	.52E+02	.75E+02	.92E+02	.71E+02
4640 800.	.43E+02	.13E+02	.33E+02	.41E+02	.67E+02	.60E+02	.97E+02	.37E+02	.65E+02	.34E+02	.40E+02	.36E+02	.38E+02	.30E+02	.64E+02	.81E+02	.49E+02
4641 900.	.43E+02	.13E+02	.30E+02	.10E+02	.19E+02	.22E+02	.87E+02	.37E+02	.65E+02	.34E+02	.35E+02	.14E+02	.14E+02	.11E+02	.51E+02	.81E+02	.35E+02
4642 1000.	.43E+02	.13E+02	.28E+02	.73E+01	.12E+02	.16E+02	.77E+02	.37E+02	.65E+02	.34E+02	.25E+02	.77E+01	.69E+01	.55E+01	.31E+02	.81E+02	.31E+02
4643 1100.	.43E+02	.13E+02	.25E+02	.66E+01	.11E+02	.15E+02	.66E+02	.37E+02	.65E+02	.34E+02	.14E+02	.57E+01	.55E+01	.46E+01	.15E+02	.81E+02	.28E+02
4644 1200.	.43E+02	.13E+02	.24E+02	.62E+01	.11E+02	.15E+02	.63E+02	.37E+02	.65E+02	.34E+02	.94E+01	.48E+01	.50E+01	.42E+01	.90E+01	.81E+02	.27E+02
4645 1300.	.43E+02	.13E+02	.23E+02	.56E+01	.10E+02	.13E+02	.59E+02	.37E+02	.65E+02	.34E+02	.81E+01	.41E+01	.42E+01	.35E+01	.81E+01	.81E+02	.26E+02
4646 1400.	.42E+02	.12E+02	.21E+02	.34E+01	.64E+01	.52E+01	.50E+02	.35E+02	.63E+02	.33E+02	.51E+01	.10E+01	.12E+01	.90E+00	.60E+01	.79E+02	.23E+02
4647 1500.	.37E+02	.11E+02	.21E+02	.34E+01	.64E+01	.52E+01	.50E+02	.28E+02	.52E+02	.30E+02	.51E+01	.10E+01	.12E+01	.90E+00	.60E+01	.70E+02	.20E+02
4648 1600.	.31E+02	.81E+01	.21E+02	.34E+01	.64E+01	.52E+01	.50E+02	.25E+02	.42E+02	.26E+02	.51E+01	.10E+01	.12E+01	.90E+00	.60E+01	.65E+02	.19E+02
4649 1700.	.29E+02	.74E+01	.21E+02	.34E+01	.64E+01	.52E+01	.50E+02	.23E+02	.40E+02	.24E+02	.51E+01	.10E+01	.12E+01	.90E+00	.60E+01	.63E+02	.18E+02
4650 1800.	.24E+02	.61E+01	.21E+02	.34E+01	.64E+01	.52E+01	.50E+02	.19E+02	.33E+02	.19E+02	.51E+01	.10E+01	.12E+01	.90E+00	.60E+01	.53E+02	.16E+02
4651 1900.	.18E+02	.38E+01	.21E+02	.34E+01	.64E+01	.52E+01	.50E+02	.14E+02	.24E+02	.14E+02	.51E+01	.10E+01	.12E+01	.90E+00	.60E+01	.37E+02	.13E+02
4652 2000.	.11E+02	.18E+01	.21E+02	.34E+01	.64E+01	.51E+01	.50E+02	.81E+01	.14E+02	.81E+01	.51E+01	.10E+01	.11E+01	.90E+00	.60E+01	.20E+02	.10E+02
4653 2100.	.83E+01	.12E+01	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.59E+01	.99E+01	.57E+01	.14E+01	.10E+01	.11E+01	.90E+00	.24E+01	.13E+02	.49E+01
4654 2200.	.59E+01	.87E+00	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.40E+01	.67E+01	.39E+01	.14E+01	.10E+01	.11E+01	.90E+00	.24E+01	.85E+01	.40E+01
4655 2300.	.59E+01	.87E+00	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.40E+01	.67E+01	.39E+01	.14E+01	.10E+01	.11E+01	.90E+00	.24E+01	.85E+01	.40E+01
4656 2400.	.47E+01	.57E+00	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.23E+01	.40E+01	.30E+01	.14E+01	.10E+01	.11E+01	.89E+00	.24E+01	.73E+01	.35E+01
4657 2500.	.30E+00	.85E-01	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.30E+00	.56E+00	.30E+00	.14E+01	.10E+01	.11E+01	.89E+00	.24E+01	.44E+00	.23E+01
4658 2600.	.30E+00	.85E-01	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.30E+00	.56E+00	.30E+00	.14E+01	.10E+01	.11E+01	.88E+00	.24E+01	.44E+00	.23E+01
4659 2700.	.30E+00	.85E-01	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.30E+00	.56E+00	.30E+00	.14E+01	.10E+01	.11E+01	.88E+00	.24E+01	.44E+00	.23E+01
4660 2800.	.30E+00	.85E-01	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.30E+00	.56E+00	.30E+00	.14E+01	.10E+01	.11E+01	.88E+00	.24E+01	.44E+00	.23E+01
4661 2900.	.30E+00	.85E-01	.41E+01	.34E+01	.64E+01	.51E+01	.90E+01	.30E+00	.56E+00	.30E+00	.14E+01	.10E+01	.11E+01	.88E+00	.24E+01	.44E+00	.23E+01
4662 3000.	.30E+00	.85E-01	.41E+01	.34E+01	.64E+01	.51E+01	.89E+01	.30E+00	.56E+00	.30E+00	.14E+01	.10E+01	.11E+01	.88E+00	.22E+01	.44E+00	.23E+01
4663 3100.	.30E+00	.85E-01	.38E+01	.34E+01	.64E+01	.51E+01	.84E+01	.30E+00	.56E+00	.30E+00	.12E+01	.10E+01	.11E+01	.88E+00	.19E+01	.44E+00	.22E+01
4664 3200.	.30E+00	.85E-01	.37E+01	.34E+01	.64E+01	.51E+01	.82E+01	.30E+00	.56E+00	.30E+00	.12E+01	.10E+01	.11E+01	.88E+00	.18E+01	.44E+00	.22E+01
4665 3300.	.30E+00	.85E-01	.37E+01	.34E+01	.63E+01	.51E+01	.82E+01	.30E+00	.56E+00	.30E+00	.12E+01	.10E+01	.11E+01	.87E+00	.18E+01	.44E+00	.22E+01
4666 3400.	.30E+00	.85E-01	.37E+01	.33E+01	.61E+01	.47E+01	.82E+01	.30E+00	.56E+00	.30E+00	.12E+01	.95E+00	.10E+01	.78E+00	.18E+01	.44E+00	.21E+01
4667 3500.	.30E+00	.85E-01	.37E+01	.31E+01	.56E+01	.42E+01	.81E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.94E+00	.70E+00	.18E+01	.44E+00	.20E+01
4668 3600.	.30E+00	.85E-01	.37E+01	.31E+01	.56E+01	.42E+01	.80E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.94E+00	.70E+00	.17E+01	.44E+00	.20E+01
4669 3700.	.30E+00	.85E-01	.37E+01	.31E+01	.56E+01	.42E+01	.80E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.94E+00	.70E+00	.17E+01	.44E+00	.20E+01
4670 3800.	.30E+00	.85E-01	.37E+01	.31E+01	.56E+01	.42E+01	.79E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.94E+00	.70E+00	.16E+01	.44E+00	.20E+01
4671 3900.	.30E+00	.85E-01	.37E+01	.31E+01	.56E+01	.42E+01	.78E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.94E+00	.70E+00	.15E+01	.44E+00	.20E+01
4672 4000.	.30E+00	.85E-01	.37E+01	.31E+01	.56E+01	.42E+01	.78E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.94E+00	.70E+00	.15E+01	.44E+00	.20E+01
4673 4100.	.30E+00	.85E-01	.37E+01	.31E+01	.56E+01	.42E+01	.78E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.94E+00	.70E+00	.15E+01	.44E+00	.20E+01
4674 4200.	.30E+00	.85E-01	.37E+01	.30E+01	.55E+01	.41E+01	.78E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.93E+00	.70E+00	.15E+01	.44E+00	.20E+01
4675 4300.	.30E+00	.85E-01	.37E+01	.30E+01	.54E+01	.41E+01	.78E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.93E+00	.70E+00	.15E+01	.44E+00	.19E+01
4676 4400.	.30E+00	.85E-01	.37E+01	.30E+01	.54E+01	.41E+01	.78E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.93E+00	.70E+00	.15E+01	.44E+00	.19E+01
4677 4500.	.30E+00	.85E-01	.37E+01	.30E+01	.54E+01	.41E+01	.78E+01	.30E+00	.56E+00	.30E+00	.12E+01	.87E+00	.93E+00	.70E+00	.15E+01	.44E+00	.19E+01
4678 4600.	.30E+00	.85E-01	.86E+00	.30E+01	.54E+01	.41E+01	.20E+01	.30E+00	.56E+00	.30E+00	.63E+00	.87E+00	.93E+00	.70E+00	.94E+00	.44E+00	.13E+01
4679 4700.	.30E+00	.85E-01	.16E+00	.30E+01	.54E+01	.41E+01	.63E+00	.30E+00	.56E+00	.30E+00	.50E+00	.87E+00	.93E+00	.70E+00	.80E+00	.44E+00	.12E+01
4680 4800.	.30E+00	.85E-01	.16E+00	.30E+01	.54E+01	.41E+01	.63E+00	.30E+00	.56E+00	.30E+00	.50E+00	.87E+00	.93E+00	.70E+00	.80E+00	.44E+00	.12E+01

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 4681    4900. .30E+00.85E-01.16E+00.30E+01.54E+01.41E+01.63E+00.30E+00.56E+00.30E+00.50E+00.87E+00.93E+00.70E+00.80E+00.44E+00.12E+01
 4682    5000. .30E+00.85E-01.16E+00.30E+01.54E+01.40E+01.63E+00.30E+00.56E+00.30E+00.50E+00.86E+00.90E+00.68E+00.80E+00.44E+00.12E+01
 4683 1          ********************************** PLUME WATER DEPOSITION TABLE (KG./(KM.**2-MO.)) **********************************
 4684                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
 4685                 SEASON=ANNUAL
 4686  DISTANCE ************************************************** WIND FROM ************************************************************
 4687    FROM       N     NNE     NE     ENE      E     ESE      SE     SSE      S     SSW      SW     WSW      W     WNW     NW     NNW     ALL
 4688   TOWER     ************************************************ PLUME HEADED ************************************************************
 4689    (M)         S     SSW     SW     WSW      W     WNW      NW     NNW      N     NNE      NE     ENE      E     ESE     SE     SSE     AVG
 4690
 4691    5100. .30E+00.85E-01.16E+00.30E+01.54E+01.40E+01.63E+00.30E+00.56E+00.30E+00.50E+00.86E+00.90E+00.68E+00.80E+00.44E+00.12E+01
 4692    5200. .30E+00.85E-01.16E+00.30E+01.54E+01.40E+01.63E+00.30E+00.56E+00.30E+00.50E+00.86E+00.90E+00.68E+00.80E+00.44E+00.12E+01
 4693    5300. .30E+00.85E-01.16E+00.30E+01.54E+01.40E+01.63E+00.30E+00.56E+00.30E+00.49E+00.86E+00.90E+00.68E+00.79E+00.44E+00.12E+01
 4694    5400. .29E+00.79E-01.16E+00.30E+01.54E+01.40E+01.62E+00.28E+00.54E+00.28E+00.49E+00.86E+00.90E+00.68E+00.79E+00.42E+00.12E+01
 4695    5500. .29E+00.79E-01.16E+00.30E+01.54E+01.40E+01.62E+00.28E+00.54E+00.28E+00.49E+00.86E+00.90E+00.68E+00.79E+00.42E+00.12E+01
 4696    5600. .29E+00.79E-01.16E+00.30E+01.54E+01.40E+01.62E+00.28E+00.54E+00.28E+00.49E+00.86E+00.90E+00.68E+00.79E+00.42E+00.12E+01
 4697    5700. .29E+00.79E-01.16E+00.30E+01.54E+01.40E+01.62E+00.28E+00.54E+00.28E+00.49E+00.86E+00.90E+00.68E+00.79E+00.42E+00.12E+01
 4698    5800. .29E+00.79E-01.16E+00.30E+01.53E+01.40E+01.62E+00.28E+00.54E+00.28E+00.49E+00.85E+00.90E+00.68E+00.78E+00.42E+00.12E+01
 4699    5900. .29E+00.79E-01.15E+00.30E+01.53E+01.40E+01.60E+00.28E+00.54E+00.28E+00.48E+00.85E+00.90E+00.68E+00.78E+00.42E+00.12E+01
 4700    6000. .29E+00.79E-01.15E+00.30E+01.53E+01.40E+01.60E+00.28E+00.54E+00.28E+00.48E+00.84E+00.89E+00.67E+00.77E+00.42E+00.12E+01
 4701    6100. .29E+00.79E-01.15E+00.30E+01.53E+01.40E+01.60E+00.28E+00.53E+00.27E+00.48E+00.84E+00.89E+00.67E+00.77E+00.40E+00.12E+01
 4702    6200. .28E+00.79E-01.15E+00.30E+01.53E+01.40E+01.60E+00.28E+00.53E+00.27E+00.48E+00.84E+00.89E+00.67E+00.77E+00.40E+00.12E+01
 4703    6300. .28E+00.79E-01.15E+00.29E+01.52E+01.39E+01.60E+00.27E+00.52E+00.27E+00.48E+00.73E+00.79E+00.56E+00.77E+00.40E+00.11E+01
 4704    6400. .28E+00.79E-01.15E+00.29E+01.52E+01.39E+01.60E+00.26E+00.51E+00.27E+00.48E+00.73E+00.79E+00.56E+00.77E+00.39E+00.11E+01
 4705    6500. .28E+00.79E-01.13E+00.29E+01.52E+01.39E+01.49E+00.26E+00.51E+00.27E+00.44E+00.73E+00.79E+00.56E+00.75E+00.39E+00.11E+01
 4706    6600. .28E+00.79E-01.12E+00.29E+01.52E+01.38E+01.48E+00.26E+00.51E+00.27E+00.44E+00.70E+00.75E+00.53E+00.75E+00.39E+00.11E+01
 4707    6700. .27E+00.75E-01.12E+00.29E+01.52E+01.38E+01.48E+00.24E+00.47E+00.25E+00.44E+00.70E+00.75E+00.53E+00.75E+00.38E+00.11E+01
 4708    6800. .21E+00.61E-01.12E+00.23E+01.40E+01.30E+01.48E+00.16E+00.34E+00.21E+00.44E+00.63E+00.67E+00.48E+00.75E+00.32E+00.89E+00
 4709    6900. .21E+00.61E-01.12E+00.89E+00.14E+01.11E+01.48E+00.16E+00.34E+00.21E+00.44E+00.46E+00.49E+00.35E+00.75E+00.32E+00.49E+00
 4710    7000. .21E+00.61E-01.11E+00.89E+00.14E+01.11E+01.44E+00.16E+00.34E+00.21E+00.42E+00.46E+00.49E+00.35E+00.70E+00.32E+00.48E+00
 4711    7100. .21E+00.61E-01.82E-01.89E+00.14E+01.11E+01.36E+00.16E+00.34E+00.21E+00.38E+00.46E+00.49E+00.35E+00.60E+00.32E+00.47E+00
 4712    7200. .21E+00.61E-01.82E-01.89E+00.14E+01.11E+01.36E+00.16E+00.34E+00.21E+00.38E+00.45E+00.48E+00.35E+00.60E+00.32E+00.46E+00
 4713    7300. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4714    7400. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4715    7500. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4716    7600. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4717    7700. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4718    7800. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4719    7900. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4720    8000. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4721    8100. .21E+00.61E-01.82E-01.83E+00.13E+01.94E+00.36E+00.16E+00.34E+00.21E+00.38E+00.41E+00.42E+00.32E+00.60E+00.32E+00.43E+00
 4722    8200. .21E+00.61E-01.82E-01.45E+00.72E+00.56E+00.36E+00.16E+00.34E+00.21E+00.38E+00.39E+00.39E+00.29E+00.60E+00.32E+00.35E+00
 4723    8300. .21E+00.61E-01.82E-01.74E-01.14E+00.18E+00.36E+00.16E+00.34E+00.21E+00.38E+00.37E+00.35E+00.26E+00.60E+00.32E+00.26E+00
 4724    8400. .21E+00.61E-01.74E-01.74E-01.14E+00.18E+00.33E+00.16E+00.34E+00.21E+00.37E+00.37E+00.35E+00.26E+00.56E+00.32E+00.25E+00
 4725    8500. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4726    8600. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4727    8700. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4728    8800. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4729    8900. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4730    9000. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4731    9100. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4732    9200. .21E+00.61E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.21E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4733    9300. .21E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4734    9400. .20E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4735    9500. .20E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4736    9600. .20E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4737    9700. .20E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4738    9800. .20E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4739    9900. .20E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4740   10000. .20E+00.59E-01.63E-01.74E-01.14E+00.18E+00.27E+00.16E+00.34E+00.20E+00.36E+00.37E+00.35E+00.26E+00.50E+00.32E+00.24E+00
 4741 1          ********************************** HOURS OF PLUME FOGGING TABLE **********************************
 4742                 Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
 4743                 SEASON=ANNUAL
 4744  DISTANCE ********************************************** WIND FROM **********************************************
 4745    FROM       N     NNE     NE     ENE      E     ESE      SE     SSE      S     SSW      SW     WSW      W     WNW     NW     NNW     ALL
```

TOWER	********** PLUME HEADED **********																
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
100.	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.5	.0	.0	.0	.0	.0	1.8
200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5
300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
700.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
800.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
900.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1000.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

1 ********** HOURS OF RIME ICING TABLE **********

Blue Heron Project, FL-- Met Data (West Palm Beach Arpt)--One Tower
SEASON=ANNUAL

DISTANCE	********** WIND FROM **********																
FROM	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	ALL
TOWER	********** PLUME HEADED **********																
(M)	S	SSW	SW	WSW	W	WNW	NW	NNW	N	NNE	NE	ENE	E	ESE	SE	SSE	SUM
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
700.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
800.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
900.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1000.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1300.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1400.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1500.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1600.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

APPENDIX 10.9

WATER SUPPLY AGREEMENT

BOARD OF COUNTY COMMISSIONERS
OFFICE OF COUNTY ATTORNEY

William G. Collins II, County Attorney
Marian E. Fell, Assistant County Attorney
William K. DeBraal, Assistant County Attorney

August 12, 2004

Mr. Timothy R. Eves
Vice President – Sales & Marketing
CALPINE
Island Center
2701 N. Rocky Point Drive, Suite 1200
Tampa, FL 33607

Re: Agreement Concerning Delivery and Use of Stormwater

Dear Mr. Eves:

Enclosed for your records is an original Agreement Concerning Delivery and Use of Stormwater executed by all parties.

Yours truly,

William G. Collins II
County Attorney

nhm
enclosure

1840 25th Street, Vero Beach, Florida 32960 · (772) 567-8000, Ext. 1424 · Fax (772) 569-4317
ircattorney@ircgov.com

AGREEMENT CONCERNING DELIVERY

AND USE OF STORMWATER

THIS AGREEMENT is made and entered into this 12th day of August, 2004, by and between **INDIAN RIVER COUNTY**, a political subdivision of the State of Florida ("County"), **INDIAN RIVER FARMS WATER CONTROL DISTRICT**, a Special District located in Indian River County, Florida ("District") and **BLUE HERON ENERGY CENTER, L.L.C.**, a wholly owned Calpine Corporation subsidiary, a Delaware limited partnership, with offices at The Island Center, 2701 N. Rocky Point Drive, Suite 1200, Tampa, Florida 33607 ("Calpine").

Recitals:

Recital 1. Calpine has obtained special exception approval and conceptual site plan approval from the County to construct a nominal 1,080 mw natural gas-fired combined cycle electricity generating power plant ("Plant") on approximately 50 acres east of and adjoining Interstate 95 ("I-95") and immediately north of the south County boundary line, adjacent and west of 74th Avenue ("Blue Heron Energy Center" or "BHEC"), located within Indian River County.

Recital 2. Calpine estimates that the average annual water requirements for BHEC to be 7.5 million gallons per day of water ("MGD") with a maximum peak daily demand of 9.1 MGD.

Recital 3. As part of the planning for BHEC, Calpine has investigated a wide range of potential sources for the cooling water. Calpine, in cooperation with the County and the District, has determined that the District's canal network has sufficient capacity to provide water, in the form of surface water and stormwater ("stormwater" as used herein shall mean water above the minimum level established by the District from time to time for water level guidelines in the District's canal system), in the quantity and of the quality required by BHEC.

Recital 4. Calpine plans to build BHEC in two 540 MW phases. Calpine plans to have BHEC Phase I in operation in 2007. In order to have Phase I of the Plant operational in 2007, Calpine must have a water supply system in place for start-up and testing by June 2006. The target operational date for Phase II has not yet been set; however, it will be subsequent to Phase I. All of the provisions of this Agreement shall be applicable to both phases of the Blue Heron Energy Center, except where the terms or context of this Agreement clearly indicate to the contrary.

Recital 5. The County, in cooperation with the District, St. Johns River Water Management District ("SJRWMD"), and the City of Vero Beach ("Vero Beach"), has completed a Stormwater Management Plan ("Master Plan") for stormwater impoundment and treatment which will meet the goals of improving the quality and reducing the quantity of surface and stormwater released into Indian River Lagoon, which Master Plan involves the incorporation and use of the District's system, works and structures.

Recital 6. Calpine, the County and the District recognize that the stormwater park proposed in the Master Plan can be the source of cooling water for BHEC and that Calpine can be a contributing partner in the County's stormwater management efforts.

NOW, THEREFORE, in consideration of the mutual promises and agreements set forth herein and other valuable consideration given one party to the other, the County, the District and Calpine hereby agree as follows:

1. **Incorporation of Recitals**: The foregoing recitals are incorporated as if fully restated in this Agreement.

2. **Regional Stormwater Park**:

a. The County, the District and Calpine will identify a parcel(s) of land up to 160 acres available and desirable for a regional stormwater park within the area shown on Exhibit "A", Stormwater Park Location, to function as a water management facility pursuant to the Master Plan.

b. Within 60 days of execution of this Agreement, Calpine, through a wholly owned subsidiary, or the County under express written authority from Calpine, will enter into an Option Contract(s) with the owner or owners of the property identified as desirable for the regional stormwater park under Paragraph 2.a, with Calpine's subsidiary being the purchaser at a price not to exceed fair market value. Fair market value shall be determined by an appraisal to be

performed by an appraiser selected by Calpine and approved by the County, which approval shall not be unreasonably withheld or delayed. If Calpine, or the County under authority from Calpine, is unable to negotiate an Option Contract at fair market value or less, then Calpine shall not be obligated to enter into the Option Contract to purchase the property. The Option Contract shall be in a form as mutually agreeable to the County, the District and Calpine, with a closing date agreeable to the County, the District, Calpine, and the seller or sellers. The County or other governmental agency may contribute funds above the fair market value price to complement Calpine funding.

c. Upon Calpine's purchase of the property identified in Paragraph 2.b, Calpine shall, at no cost to the County or District, transfer or otherwise convey fee simple title to such property to the County for the purpose of constructing, owning and operating the stormwater park. Calpine's purchase of the property will be conditioned upon and will follow receipt of certification of BHEC by the Power Plant Siting Board. The County may, with the prior consent of Calpine, which consent shall not be unreasonably withheld or delayed, include passive recreation on the property to complement the stormwater park, provided that such passive recreation does not impact the County's ability to operate the stormwater park in compliance with the requirements of this Agreement, or those of the District.

d. The County, working with SJRWMD, shall be responsible for the design, permitting, construction, operation and maintenance of the stormwater park and all related costs. The District shall be responsible for establishing and modifying, from time to time as necessary, minimum and maximum water level requirements in the canal system ("District's Water

Level Guidelines" for withdrawal of water from the District's canal system for use by others, including Calpine). The County will operate the stormwater park so as to maximize the water inventory available to BHEC. Notwithstanding anything herein provided to the contrary, BHEC will not be permitted to withdraw, at any time, water from the upper pool of the District's system. The County shall also be responsible to make the necessary improvements and/or modifications to its stormwater collection, storage and delivery systems, as needed, (except the works or structures of the District) in order to comply with the terms and provisions of this Agreement. The design, permitting, construction, operation and maintenance of the stormwater park and improvements and/or modifications to the stormwater collection, storage, and delivery systems, shall be done in accordance with the requirements of Exhibit "B", Stormwater Park and Water Supply System Operational requirements, and the District's Water Level Guidelines.

3. **Connection Corridor and Construction Costs**:

a. After purchase of the property for the stormwater park, Calpine shall be responsible for all costs of designing, permitting, constructing and connecting the stormwater pipelines and pumping stations from: (i) the District's Lateral "C" canal to the design discharge point into the stormwater park; (ii) for the stormwater park bypass; and (iii) from the design withdrawal point at the stormwater park to BHEC (collectively the "Pipelines"). Calpine, the County and the District, will jointly determine the actual withdrawal point location from the lower pool, immediately downstream of the Lateral "C" canal radial gate, dependent upon the quantity of stormwater available at the withdrawal location. The Pipelines shall be constructed according to routing agreed

upon by Calpine, the County, and the District, as shown on Exhibit "C", Pipeline Routing. The pipelines and pumping stations will be designed to satisfy the needs of the BHEC, as described in this Agreement, and such design, including the installation of flow meters, will be completed by Calpine and will comply with the County's and the District's technical standards and specifications, and will be subject to review and approval by the County and District. The County and the District shall allow Calpine, at no cost to Calpine, to utilize all rights-of-way and easements, necessary or required for the construction of the Pipelines, the routing of which is shown on Exhibit "C". Under no event shall the County or the District be obligated to exercise its eminent domain authority for the benefit of Calpine. Since the County is not contributing funds toward the construction of the Pipelines, Calpine shall not be required to comply with the Competitive Consultants Negotiation Act or any particular bidding process.

b. Following construction of the Pipelines:

A. Upon completion of construction of the pipelines and pumping stations, Calpine shall transfer the ownership of the pipelines and pumping stations located in the District's rights-of-way, as shown on Exhibit "C" to the District. Calpine will maintain ownership of all pipelines and pumping stations not located in the District's rights-of-way.

(i) The County and the District shall enter into a Lease, with terms to be mutually agreed upon, for the following equipment located in the District's rights-of-way ("County Leased Property"): (a) the pipeline from the Lateral "C" canal

withdrawal point to the stormwater park; and (b) the pumping stations at the Lateral "C" withdrawal point.

(ii) Calpine and the District shall enter into a Lease, with terms to be mutually agreed upon, for the following equipment located in the District's rights-of-way: (i) the pipeline from the stormwater park design withdrawal point to BHEC; and (ii) the stormwater park bypass.

B. The County agrees that it will be responsible for the maintenance, after the applicable warranty period, and operation, consistent with the District's Water Level Guidelines, of: (i) the pipeline from the Lateral "C" canal withdrawal point to the stormwater park; and (ii) the pumping stations at the Lateral "C" withdrawal point. In the event of the County's loss of use or destruction of such pipeline, pumping station and/or stormwater park, the County agrees to give prompt telephone notice to Calpine followed by written notice of its inability to supply stormwater of the quantity defined herein, and the County agrees to initiate good faith efforts to repair the pipeline and/or pumping station, regardless of the cause of the interruption, within 24 hours after discovery by the County or reported by Calpine; and

C. Calpine shall be responsible for the maintenance and operation, consistent with and according to the District's Water Level Guidelines, of: i) the pumping station at the stormwater park design withdrawal point; ii) the pipeline from the stormwater park design withdrawal point to BHEC; and iii) the stormwater park bypass.

D. The District shall allow unrestricted access to the County and Calpine to the land and equipment owned by the District for the purpose of maintaining the pumping stations, pipelines and other related equipment defined in Paragraph 3.b.A above.

c. Calpine agrees to obtain all approvals required to connect BHEC to the pipeline from the stormwater park to BHEC.

d. The County and the District agree that Calpine has the right to access and cross their property and right-of-way when necessary for Calpine to perform the work required under this Agreement.

e. As an inducement to the District and to the County to enter into this Agreement, Calpine waives and covenants not to exercise any power of eminent domain Calpine may have, whether state or federal, at any time against County or District to acquire property of either or any right thereto or interest therein.

4. **Term, Volume and Delivery Schedule**:

a. After completion of the stormwater park and associated pumping stations and piping, the County shall deliver stormwater, which may include limited Brine injection as defined in Paragraph 7, to Calpine from the regional stormwater park, through the Pipelines

described above in Paragraph 3, in quantities set forth herein, and in accordance with the terms and provisions of this Agreement.

b. This Agreement shall be effective upon execution and shall be for a term of 20 years from June 1, 2006. Calpine shall have the option to extend this Agreement for two (2) additional terms of five years each, upon written notification to the County and to the District by Calpine at least 180 days prior to the expiration of the initial 20 year term and any subsequent term thereafter ("Term" to include the initial 20 year term and all extensions thereto). The parties may agree to extend the Term of this Agreement beyond the two additional five year extensions, by mutual agreement of the parties. Notwithstanding this provision, in the event any change in state or federal law, rule, regulation or policy subsequently prohibits the use of the County's or the District's stormwater by Calpine in the manner contemplated by this Agreement, with such prohibition being agreed upon by the parties or determined by a court of competent jurisdiction, this Agreement may be terminated by any party with 180 days notice to the other parties, and no party will have any further obligations to the others upon such termination other than costs associated with the disposal of accrued solids to be paid by the County as defined in Paragraph 7.b.

c. Calpine agrees to notify the County and the District 180 days prior to the date it will begin accepting stormwater. The County, the District and Calpine acknowledge that the scheduled date for commencement of stormwater delivery under this Agreement is June 2006. The County, the District and Calpine will perform their respective obligations under this Agreement

required to meet this schedule. In the event the stormwater park is not completed in a manner to support this schedule, then the provisions of Paragraph 4.g shall apply.

d. The total amount of stormwater to be delivered from the County to Calpine shall be up to 9.1 MGD at a rate not to exceed 7000 gallons per minute ("GPM") as discussed in Paragraph 6.b. BHEC Phase I will require a maximum peak daily demand of 4.55 MGD at a rate not to exceed 3500 GPM.

e. The County reserves the right to use stormwater from the stormwater park for other purposes, should such use become feasible in the future; however, subject only to agricultural demands, it is understood and agreed that Calpine shall have the right of first use and shall be entitled to utilize and receive all of the County's stormwater from the stormwater park up to the amounts specified in Paragraph 4.d above, subject to the District's Water Level Guidelines, during the Term of this Agreement. Neither the County nor the District shall allow any new non-agricultural withdrawals or uses of the water from the stormwater park that would prevent the County from satisfying its obligations to Calpine under this Agreement.

f. The District reserves the right to use stormwater in its system for other purposes in the event of an emergency and Calpine acknowledges that, in times of drought or dry periods, water may not be available; District, however, will not prefer any other large industrial uses over the needs of Calpine for water subject to the District's Water Level Guidelines, during the Term of this Agreement.

g. Throughout the Term of this Agreement, the parties acknowledge that the delivery of stormwater from the stormwater park will be as available. The County acknowledges that if the County cannot deliver the daily stormwater of the quantity defined herein to Calpine during the Term of this Agreement, Calpine may suffer damages; however, Calpine, its successors and assigns, will not assert a claim for damages against the County or District but may pursue other remedies that may exist at law or in equity. The County, therefore, must give prompt telephone notice followed by written notice of its inability to supply stormwater of the quantity defined herein to Calpine. Calpine acknowledges that from time to time there may be an interruption of flow due to failure of mechanical equipment at the Lateral "C" withdrawal location or at the stormwater park, failure of the pipeline between Lateral "C" and the stormwater park, and/or failure due to other causes. The County agrees to use its best efforts to repair or restore the flow and/or rectify the non-compliance, regardless of the cause of the interruption, within 24 hours after discovery by the County or reported by Calpine. If the County is not able to deliver stormwater of the quantity defined herein, Calpine may: a) with prior notice to the County, and subject to and in compliance with the District's Water Level Guidelines, use the stormwater park bypass to deliver stormwater directly from the Lateral "C" withdrawal point to BHEC, and, under this operational mode, the County shall be responsible for the operation and maintenance costs associated with the pumping station located at the Lateral "C" withdrawal point; or b) at Calpine's own cost, obtain the required quantity of water from an alternative source, which source(s) may include, but shall not be limited to, Calpine's own holding ponds or other sources, subject to and in compliance with the District's Water Level Guidelines, until such time as the County is able to deliver stormwater in compliance with the terms

and provisions of this Agreement. Calpine shall be responsible for operation, subject to the District's Water Level Guidelines, and maintenance of the pumping station at the stormwater park design withdrawal point and pipeline from the stormwater park design withdrawal point to the BHEC, as defined in Paragraph 3.b.C, and the County shall have no responsibility for such pumping station at the stormwater park design withdrawal point and pipeline from the stormwater park design withdrawal point to the BHEC.

5. **Stormwater Quality**:

a. The County agrees to design, permit, construct, operate and maintain the stormwater park in accordance with Exhibit "B" hereto, and to make the necessary improvements or modifications to its stormwater collection, storage, or delivery systems, as needed, in order to comply with the terms and provisions of this Agreement during the Term of this Agreement.

b. The County shall test the constituents listed in Exhibit "B" only if they are required as part of the County's FDEP or SJRWMD stormwater management permit or permits. The County shall supply Calpine a copy of its FDEP and SJRWMD permits and all renewals promptly upon their issuance. At the same time the County shall provide Calpine with a listing of all constituents to be tested and the testing frequency. Calpine may test all or selected parameters to determine the water quality delivered by the County.

c. The County will provide to Calpine and the District will make available to Calpine at the District's office copies of all test results and reports which the County and/or the District are required to file with any local, state or federal agencies with regard to the stormwater. Such test results and reports shall be provided to Calpine at the same time these materials are filed with the appropriate agencies.

d. Throughout the Term of this Agreement, Calpine may perform water quality testing of the stormwater to be delivered by the County from the stormwater park. This provision, however, does not obligate Calpine in any way to perform independent testing or metering of the stormwater provided by the County. In the event that Calpine performs such testing, the County and/or the District may request and Calpine shall provide copies of all test results and reports so requested.

e. In the event that Calpine, in good faith, determines that the quality of the stormwater, with or without Brine injection, delivered by the County, exceeds the maximum acceptable limits as shown on Exhibit "D", "Constituent Make-Up of the Water in the District's Canals and the Brine Discharge from the County's South Treatment Plant", thereby rendering the stormwater unusable by BHEC, Calpine may: i) cease injecting Brine into the pipeline from the stormwater park to BHEC, or ii) cease accepting stormwater from the County ("Shutoff Period"), until such time as the stormwater is within the maximum acceptable limits as shown on Exhibit "D". Calpine agrees to notify the County as soon as practicable, but under no circumstances later than 24 hours after discovery by Calpine of any stormwater that is supplied from the stormwater park to

BHEC which Calpine deems unusable, with justification of such decision by Calpine and the reasons for Calpine's decision. Notification to the County will be made by telephone and will be followed by written notification. In the event Calpine ceases accepting storm water from the County due to such water exceeding the maximum acceptable limits as shown on Exhibit "D", Calpine may: a) with prior notice to the County, and subject to and in compliance with the District's Water Level Guidelines, use the stormwater park bypass to deliver stormwater directly from the Lateral "C" withdrawal point to BHEC, and, under this operational mode, the County shall be responsible for the operation and maintenance costs associated with the pumping station located at the Lateral "C" withdrawal point; or b) at Calpine's own cost, obtain the required quantity of water from an alternative source, which source(s) may include, but shall not be limited to, Calpine's own holding ponds or other sources, subject to and in compliance with the District's Water Level Guidelines. Such delivery via the stormwater park bypass or from alternate sources shall continue until such time as Calpine determines that stormwater to be delivered by the County is within the maximum acceptable limits as set forth on Exhibit "D" and usable at BHEC. Calpine shall be responsible for operation and maintenance of the pumping station at the stormwater park design withdrawal point and pipeline from the stormwater park design withdrawal point to the BHEC, as defined in Paragraph 3.b.C, and the County shall have no responsibility for such pumping station at the stormwater park design withdrawal point and pipeline from the stormwater park design withdrawal point to the BHEC. The provision of Paragraph 5.b shall apply during such Shutoff Period.

f. Exhibit "D" represents a sampling of the water in the District canals and the Brine discharge from the IRC South Plant as of the time of execution of this Agreement.

Both the County, the District and Calpine reserve the right to renegotiate applicable portions of this Agreement in the event of any significant change in the constituency make-up of either the District canal water or the Brine from the representative sampling attached as Exhibit "D".

g. Calpine shall make no discharges into District's system and County will at all times, meet District's reasonable requirement for quality of water discharged into District's system from the stormwater park.

6. **Use and Discharge of Stormwater**:

a. Calpine may use the stormwater as a source of cooling water for BHEC, for storage, exclusive of any Brine, in off-site holding ponds, or for any on-site purposes and in any manner determined by Calpine; provided, however, (i) Calpine's use of the stormwater shall at all times be consistent with all local, state and federal guidelines and requirements; and, (ii) Calpine shall not discharge any stormwater obtained from the County or District, directly or indirectly into any surface waters of the State of Florida, canals of the District, or other waters without the express written authorization of the appropriate permitting agency, and shall not sell or permit use of such stormwater by any third party or for any purpose not essential for operations at BHEC..

b. Calpine may withdraw from the stormwater park at the design withdrawal point, up to 9.1 MGD at a rate not to exceed 7000 GPM, unless otherwise agreed to by the County and District.

c. Calpine shall utilize a "zero liquid discharge system" to eliminate all process wastewater discharge from BHEC as set forth in Calpine's Site Certification Application for the Blue Heron Energy Center.

d. Throughout the Term of this Agreement the County agrees to accept the solids resulting from the operation of the BHEC zero liquid discharge system at the County landfill, to the extent allowed by the state and federal agencies, and shall grant Calpine such permits or authority as necessary. Calpine, at its option and expense, may choose to dispose of the solids at a location other than the County landfill, however, such decision by Calpine shall not affect the County's obligation to accept the solids at the County landfill throughout the Term of the Agreement.

7. **Brine Discharge**:

a. Calpine and the County acknowledge that the County may, at its option, choose to pipe discharge water from the County's South Plant reverse osmosis water treatment facility ("Brine") to inject into the pipeline from the stormwater park to BHEC for delivery to BHEC. The County may only inject Brine during periods when BHEC is in operation. The Brine injection rate, for Brine within the constituency limits shown on Exhibit "D" in the column labeled "RO Brine Values", shall be limited to eight percent (8.0%) of the total flow rate of stormwater being supplied to BHEC. In the event the Brine exceeds the constituency limits shown on Exhibit

"D" in the column labeled "RO Brine Values", Calpine and the County shall, in good faith, negotiate a reduced Brine injection rate based on maintaining the water supply constituency within the "Maximum Allowable Limits" as shown on Exhibit "C". Calpine shall provide and operate a control system to control the Brine injection rate at the above level unless Calpine provides notification to the County to reduce the level and provides justification for such reduction in the flow level. The design of the control scheme will be mutually agreeable to Calpine and the County. Calpine and the County, based on actual operational data and experience, may agree to inject Brine in quantities greater than those specified above.

b. When and only when the County is supplying Brine in accordance with Paragraph 7.a, the County shall reimburse Calpine for the disposal of solids associated with the Brine treatment, in an amount to be determined on a monthly basis in accordance with the following:

Amount of Reimbursement = [ADBA/MIR][SF*SDC]*

ADBA = Average Daily Brine Acceptance (calculated on a monthly basis)

MIR = Maximum Injection Rate:

Phase I MIR = 300,000 gallons per day

Phase I and II MIR = 600,000 gallons per day

SF = Solids Factor= Additional solids generated due to acceptance of brine in cooling water supply to BHEC. The Solids Factor will be set at 0.4 (40%) for the first year of operation. After the first full year of operation, the Solids Factor will be modified

based on the actual solids generated due to the acceptance of brine in the cooling water supply to BHEC.

SDC = Solids Disposal Costs for the respective month

c. In the event the injection of Brine into the pipeline from the stormwater park to BHEC causes the resulting solids from the BHEC zero liquid discharge system to be reclassified with a disposal fee differing from that specified in Paragraph 8.c, then the County shall be responsible for the cost in excess of the cost calculated using the estimated quantity of solid waste generated in the BHEC zero liquid discharge system without Brine injection at the disposal fee specified in Paragraph 8.c.

d. If the County elects to build a pipeline to supply Brine for injection into the pipeline from the stormwater park to BHEC as described in Paragraph 7.a, then all costs associated with the design, permitting and construction of the respective pipeline will be shared at the ratio of 85% County and 15% Calpine, with Calpine's 15% limited to a maximum of $200,000. Calpine, at the time of County's issuance of the building permit for BHEC, shall, at its option, (i) escrow $200,000 with the County, or (ii) deliver a Letter of Credit in the amount of $200,000, presentable on a Florida bank, to secure this obligation. In the event Calpine's 15% share is less than $200,000, the County shall refund the excess. The County shall be responsible for the operation and maintenance of such pipeline.

8. **Fees**:

a. Calpine and County acknowledge that the County is intending to establish a stormwater utilization fee. It is anticipated that the fee will be uniform within each drainage basin and will be similar to the County fee for reclaimed water, which at the time of adoption of this Agreement is $0.15/1000 gallons. Upon the County's adoption of such uniform fee, in an amount similar to the reclaimed water fee, for the delivery and use of stormwater, Calpine shall thereafter begin paying such uniform fee, as may be increased from time to time to reflect increases in the operation and maintenance costs of the County and District, for the stormwater actually delivered to Calpine under the terms of this Agreement. In the event any other non-agricultural users utilizing water from the stormwater park are being charged a lower utilization fee by the County than Calpine, then the fee charged to Calpine shall be decreased, or eliminated, accordingly. In the event any new industrial users utilizing water withdrawn from the same basin within the District's canal system are being charged a lower utilization fee by the County than Calpine, or are not being charged any utilization fee by the County, then the fee charged to Calpine shall be decreased, or eliminated, accordingly.

b. There shall be no fee charged by the County or paid by Calpine for any Brine which is injected in the pipeline from the stormwater park to BHEC as defined in Paragraph 7.a.

c. Calpine shall pay the prevailing rate for disposal of solids, classified as industrial, non-hazardous (garbage), at the Indian River County landfill, which, at the time of the adoption of this Agreement, is $34.45/ton.

d. No other operational fees shall be paid by Calpine to the County under this Agreement.

e. The County shall pay a lease payment to the District for the County Leased Property defined in Paragraph 3.b.A(i). The annual lease payment will be $1.00 (one dollar) firm, non-escalating, for the Term of this Agreement.

f. Calpine shall pay a lease payment to the District for the use of the land and structures of the District, as shown on Exhibit "C", and for the pipelines and pumping stations provided to the District pursuant to Paragraph 3.b.A. The annual lease payment will be equal to the District's tax rate, as such may be established for each fiscal year of the District during the Term hereof, times 5200 acres (at the time of this Agreement the District's tax rate is $14/acre/year).

9. **Invoicing of Fees:**

a. During the term of this Agreement, the County shall invoice Calpine at the end of each month for (i) stormwater supplied by the County to BHEC and (ii) zero liquid discharge system solids accepted at the County landfill. Such invoices shall include the credit for the

previous month solids disposal, as defined in Paragraph 7.b, if applicable for that month. Calpine shall pay such invoices within thirty (30) days of receipt thereof.

b. All undisputed payments properly invoiced by the County for stormwater and acceptance of discharge system solids shall be payable to the County by wire transfer, or such other payment method as the County and Calpine may agree upon. If Calpine fails to pay any undisputed payments properly invoiced by the County when due, Calpine shall owe interest on the unpaid amount, accruing daily at the Late Payment Rate as defined in Section 9.e below, from the date the same is due until paid. If prior to the expiration of the applicable period for payment of invoices stated above, Calpine disputes that the provision of any stormwater or acceptance of any discharge system solids is in accordance with this Agreement, Calpine shall, prior to the expiration of such period, provide the County with written notice identifying the basis for such dispute and the amount of the payment invoiced by the County in dispute. Thereafter, the payment of such disputed amount shall be deferred until such dispute has been resolved to the satisfaction of Calpine and the County. If there is a dispute about any payment invoiced by the County, the invoiced amount not in dispute shall be promptly paid as described above, and any amount disputed which is ultimately determined to have been payable prior to the actual date of payment shall be paid with interest, at the Late Payment Rate, from the date due to the date of payment.

c. During the term of this Agreement, the District shall invoice Calpine annually for the lease payment required pursuant to Paragraph 8.e, commencing in the month BHEC begins accepting stormwater from the County.

d. All undisputed lease payments properly invoiced by the District for leased property shall be payable to the District by wire transfer, or such other payment method as the District and Calpine may agree upon. If Calpine fails to pay any undisputed payments properly invoiced by the District when due, Calpine shall owe interest on the unpaid amount, accruing daily at the Late Payment Rate as defined in Section 9.e below, from the date the same is due until paid. If prior to the expiration of the applicable period for payment of invoices stated above, Calpine disputes that the provision of any leased property is in accordance with this Agreement, Calpine shall, prior to the expiration of such period, provide the District with written notice identifying the basis for such dispute and the amount of the payment invoiced by the District in dispute. Thereafter, the payment of such disputed amount shall be deferred until such dispute has been resolved to the satisfaction of Calpine and the District. If there is a dispute about any payment invoiced by the District, the invoiced amount not in dispute shall be promptly paid as described above, and any amount disputed which is ultimately determined to have been payable prior to the actual date of payment shall be paid with interest, at the Late Payment Rate, from the date due to the date of payment.

e. "Late Payment Rate" means a rate of interest per annum equal to the Prime Rate quoted in the Wall Street Journal plus 5%, or the maximum rate permitted by applicable Law, whichever is less.

10. **Conditions Precedent; Termination**:

a. The parties acknowledge that Calpine is in the process of obtaining permits for the construction of BHEC. If for any reason any permit or permits necessary to construct, operate and maintain the BHEC are not granted, or for any other reason Calpine does not go forward with the BHEC project, then this Agreement may be terminated by Calpine at its discretion. In the event Calpine has made any payments under the Option Contract(s) as described in Paragraph 2.b, such payment or payments shall be non-refundable, even in the event of termination pursuant to this Paragraph 10.

b. Calpine shall, at the time of County's issuance of the building permit for BHEC, comply with the County's Administrative Policy requirements with respect to insurance and indemnification as set forth in the Indian River County Administrative Policy Manual AM1000.6, Risk Management Section, Insurance Subject, under the subtitle C. Major Contract for Service. At the same time, Calpine shall also provide the same coverage with respect to insurance and indemnification to the District.

c. Termination for Default: An "Event of Default" is defined as follows: i) a failure by a Party to satisfy its material obligations under the Agreement which is not remedied within thirty (30) days of written notice from the affected Party of such failure; ii) a failure by Calpine to pay any undisputed amounts properly invoiced by the County or the District within the time period specified for payment which is not remedied within thirty (30) days of written notice from the County or District, as applicable, of such failure; and iii) a failure by the County to provide the daily stormwater which it is otherwise capable of providing and not utilized to meet agricultural

demands per Section 4(e) which is not remedied within thirty (30) days of written notice from Calpine of such failure. If an event of default occurs the affected Party(ies) may terminate this Contract and pursue whatever rights and remedies it/they may have at law or in equity.

11. **Excuse from Performance**:

If for any reason during the Term of this Agreement, any local, state or federal government or agency shall fail or refuse; (i) to issue any necessary permit or grant any necessary approval; or (ii) modify any applicable permit or regulation when requested to do so; or (iii) require any change in the operation of the treatment, transmission, and/or distribution systems for the application and use of the stormwater by Calpine; then, to the extent that such action shall substantially affect any party's performance under the terms of this Agreement, the affected party shall be excused from the performance thereof. The parties hereto shall immediately undertake to renegotiate that portion, and only that portion, of this Agreement affected by such requirements so that this Agreement, as renegotiated, will be in conformity with such permits, approvals or requirements.

12. **Decisions by the County or District**:

In those circumstances set forth herein in which a decision must or can be made by the County or the District, neither the County nor the District shall exercise such discretion in an arbitrary or unreasonable manner, nor will the County or the District unreasonably or arbitrarily

withhold or delay a decision or approval. For purposes of this Agreement, decisions on behalf of the County shall be made by the County Administrator, unless such decisions are required by law to be made by the County Commission. For purposes of this Agreement, decisions on behalf of the District shall be made by the Superintendent of the District, unless such decisions are required by law to be made by the Board of Supervisors of the District.

13. **Notices**:

All notices required or authorized under this Agreement shall be given by telephone and in writing, and shall be served by United States Mail to the parties at the addresses listed below (or as such addresses may be changed from time to time in the manner):

COUNTY: Mr. James Davis
Public Works Director
Indian River County
1840 25th Street
Vero Beach, FL 32960

WITH COPY TO: Mr. Joseph A. Baird
County Administrator
Indian River County
1840 25th Street
Vero Beach, FL 32960

DISTRICT: Mr. David Gunter
Superintendent
Indian River Farms Water Control District
4400 20th Street
Vero Beach, FL 32966

WITH COPY TO: Mr. Michael O'Haire
O'Haire, Quinn, Candler & Casalino
311 Cardinal Drive
Vero Beach, FL 32963

CALPINE: Mr. Donald Walters
Vice President Operations
Blue Heron Energy Center L.L.C.
The Island Center
2701 N. Rocky Point Drive, Suite 1200
Tampa, FL 33607
Fax: (813) 637-7399

WITH COPY TO: Mr. Joseph Regnery
Regional Counsel
Calpine Corporation
The Island Center
2701 N. Rocky Point Drive, Suite 1200
Tampa, FL 33607
Fax: (813) 637-7399

Mr. Timothy R. Eves
Vice President Marketing and Sales
Calpine Corporation
The Island Center
2701 N. Rocky Point Drive, Suite 1200
Tampa, FL 33607
Fax: (813) 637-7399

14. **Disclaimer of Third Party Beneficiaries**:

This Agreement is solely for the benefit of the parties signing hereto, their successors and assigns, and no right or cause of action shall accrue upon or by reason hereof to or for the benefit of any third party not a signatory hereof.

15. **Severability**:

If any part of this Agreement is found invalid or unenforceable by any court of competent jurisdiction, such invalidity or unenforceability shall not affect the other parts of this Agreement if the rights and obligations of the parties contained therein are not materially prejudiced, and if the intentions of the parties can continue to be effectuated. To that end, this Agreement is declared severable.

16. **Legal Fees**:

The prevailing party in any mediation, litigation or appeal relating to this Agreement shall be entitled to recover its reasonable attorneys' fees from the other party for all matters. Indian River County, Florida, shall be the proper venue for any litigation involving this Agreement. In the event of Federal jurisdiction, venue shall be in the Southern District of Florida.

17. **Entire Agreement**:

This Agreement supercedes all previous agreements or representations, either verbal or written, heretofore in effect between the County, the District and Calpine that may have concerned the matters covered herein. No additions, alterations, or variations to the terms of this Agreement shall be valid, nor can the provisions of this Agreement be waived by either party unless

such additions, alterations, or waivers are expressly set forth in writing duly executed by the parties hereto.

18. **Waiver of Jury Trial**:

It is mutually agreed by and between County, the District and Calpine that each of the parties do hereby waive trial by jury in any action, proceeding or claim which may be brought by either of the parties hereto against the other on any matters concerning or arising out of this Agreement.

19. **Assignment:**

Calpine shall have the right to collaterally assign, convey and transfer all or part of its interest in this agreement to any one or more financial lenders providing funding to the Project. The County and the District shall consent to and acknowledge such collateral assignment by issuing a consent and acknowledgement, consenting and acknowledging the financial lenders' rights to step in and take over ownership and operations of BHEC in the event of a foreclosure or similar type action under the lending arrangements. In addition Calpine shall have the right to assign, convey and transfer all of its interest in this agreement to an affiliate or subsidiary that assumes ownership and responsibility for operation of the Project, provided that Calpine shall not be relieved of its obligations. Otherwise, neither party may assign, convey or transfer all or any part of its interest

in this agreement without the express prior written consent of the other party, which consent shall not be unreasonably withheld.

20. **Choice of Law:**

This Agreement shall be governed by the laws of the State of Florida.

21. **St. Johns River Water Management District (SJRWMD):**

The County and the District shall support Calpine in obtaining the permits and approvals needed from the SJRWMD to satisfy the terms of this Agreement, including the conditions for site certification from the SJRWMD for BHEC.

22. **Dispute Resolution:**

In the event a dispute arises between any of the Parties regarding any alleged breach or default under, or the application or interpretation of any provision of, this Agreement, the aggrieved Party shall promptly notify the other Party(ies) to this Contract of the dispute within thirty (30) days after such dispute arises and the Parties shall attempt in good faith to resolve the dispute. If the Parties shall have failed to resolve the dispute within thirty (30) days after receipt of such notice, each Party shall appoint a representative who shall have full authority to negotiate a settlement, which settlement shall be subject to the approval of the respective Party's board. If the

Parties representatives shall have failed to resolve the dispute within thirty (30) days after appointment, the Parties representatives shall seek the assistance of an independent non-binding mediator to mediate a satisfactory resolution. Should the Parties still be unable to resolve the dispute to their individual satisfactions after participating in mediation, any Party may bring suit in the Circuit Court of the 19th Judicial Circuit of the State of Florida, or if such court does not have jurisdiction over such dispute, in the United States District Court of the Southern District of Florida.

Execution: By the signatures of their authorized representatives below, the County, the District and Calpine enter into this Agreement.

INDIAN RIVER COUNTY

By: _____
Commissioner Arthur R. Neuberger
Vice-Chairman, Indian River County Board of
County Commissioners

BCC Approved: August 10, 2004

By: _____
Mr. Joseph A. Baird
County Administrator

By: _____
Mr. William G. Collins II
County Attorney

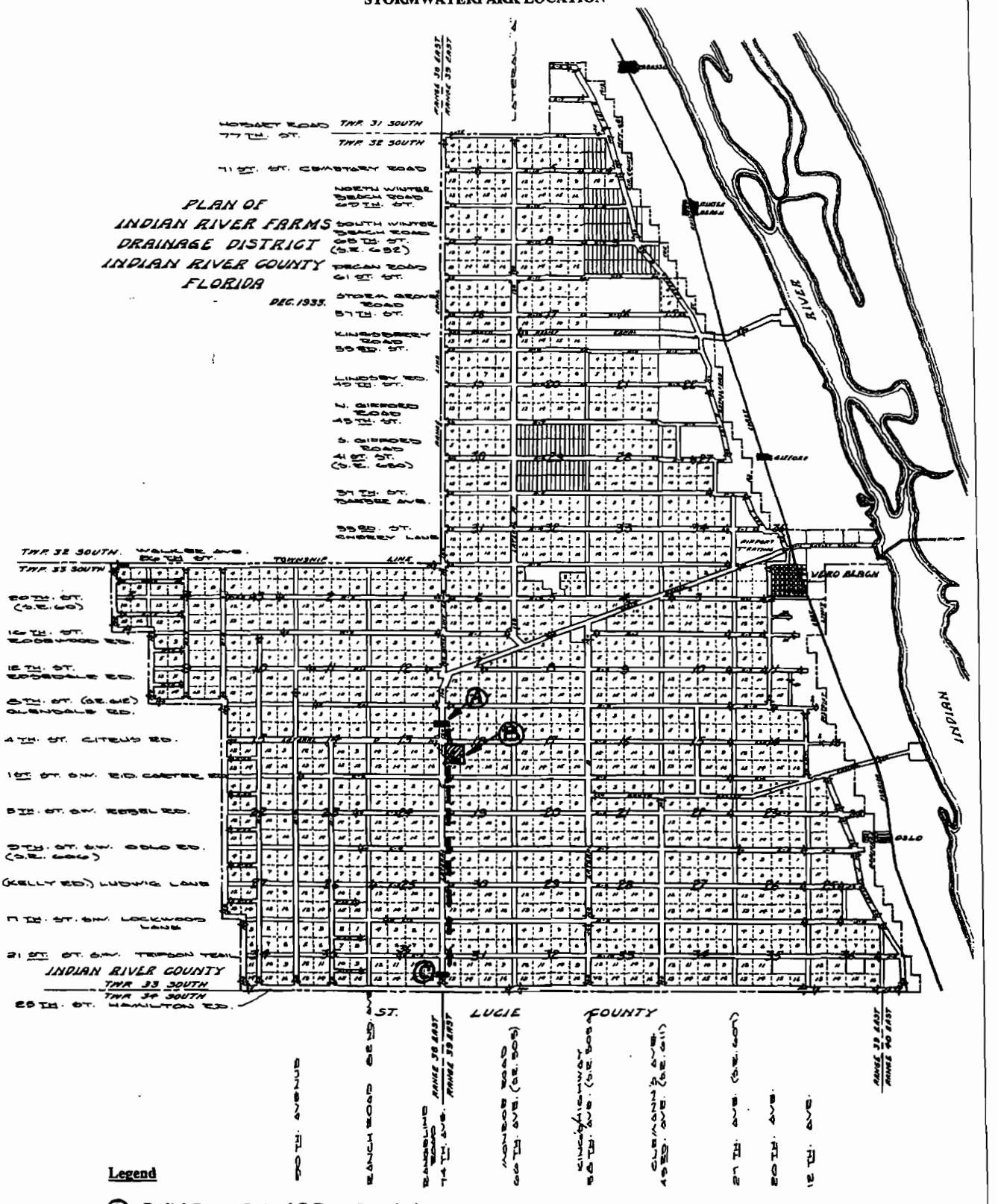
INDIAN RIVER FARMS WATER CONTROL DISTRICT

By: _____
Mr. Scott Lambeth
President of Board

BLUE HERON ENERGY CENTER, L.L.C.

By: _____
Mr. Timothy R. Eves
Vice President – Marketing & Sales

STORMWATERPARK LOCATION



Legend

Ⓐ = Radial Gate on Lateral C (Pump Location)

Ⓑ = IRC Stormwaterpark location

Ⓒ = Blue Heron Energy Center Site

—— = Pipeline Routing

EXHIBIT B

STORMWATER PARK and WATER SUPPLY SYSTEM OPERATIONAL REQUIREMENTS

Operation of the stormwater park shall be conducted in a way to meet two objectives,

1. compliance with water quality goals of the County and SJRWMD, including applicable permits and regulations; and

2. Provision of water for use by BHEC which will not adversely impact the operation of BHEC or its water treatment systems.

To this end, Calpine, the County and the District will agree on operating practices for the stormwater park and associated treatment systems that will support these objectives.

Specifically:

1. No metal based coagulants, precipitants or other water treatment chemicals (including alum, or ferric chloride) will be used in the stormwater park

2. No treatment which would significantly increase the dissolved solids concentration of the stormwater park water (such as lime flocculation) will be used in the stormwater park.

3. No water treatment chemicals containing silica, silicates, or hydroxides of silica will be used in the stormwater park. It is understood that copper hydroxides are used for agricultural purposes and that copper hydroxides will, therefore, be present in the stormwater park as will any agricultural chemicals customarily used in agricultural practices in Indian River County, Florida.

4. No Brine (reverse osmosis reject) generated from the County's water treatment systems shall be introduced to the stormwater park.

5. The collection, handling and disposal of trash, debris, vegetative matter and other solid wastes generated within the stormwater park, including the debris and other solids collected on the traveling screen at Calpine's stormwater park pumping station, shall be the responsibility of the County.

6. The stormwater park will be designed and operated to minimize the accumulation of solids, including debris, sediment, silt and fills, in the area of the pumps withdrawing water to BHEC.

Constituent Test Parameters. The following list of constituents shall be tested, as applicable, in accordance with paragraph 5.b of the Agreement:

CONSTITUENT
pH Units
Total Phosphorus, mg/l as P
Total Nitrogen, mg/l as N
BOD5, mg/l
Total Suspended Solids, mg/l
Total Dissolved Solids, mg/l
Calcium Hardness, mg/l as CaCO3
Magnesium Hardness, mg/l as CaCO3
Sulfate, mg/l as SO4
Silica, mg/l as SiO2
Aluminum, mg/l as Al
Iron, mg/l as Fe
Manganese, mg/l as Mn
Priority Pollutants per 40CFR 423

EXHIBIT C

PIPELINE ROUTING

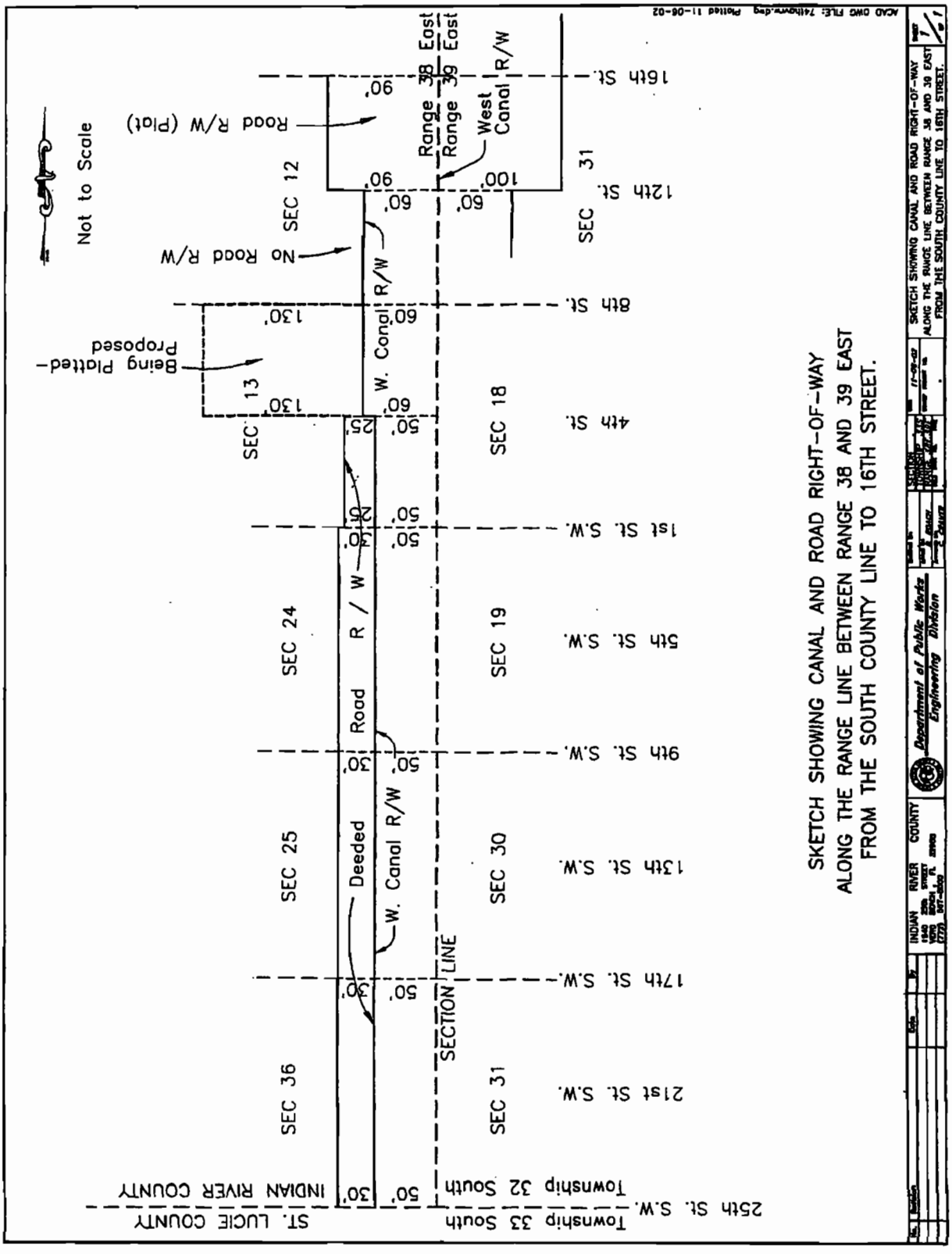


EXHIBIT D

CONSTITUENT MAKE-UP OF THE WATER IN THE DISTRICT's CANALS AND THE BRINE DISCHARGE FROM THE COUNTY'S SOUTH PLANT

Parameter	IRFWCD Canal Values (ppm) (see NOTE 1)	RO Brine Values (ppm)	Maximum Allowable Limits (see NOTE 2)
Aluminum	0.41	<0.3	0.41
Arsenic	<0.01	<0.01	<0.01
Barium	<0.1	<0.1	<0.1
Beryllium	<0.001	<0.001	<0.001
Boron	0.11	0.030	0.13
Cadmium	<0.001	<0.0011	<0.001
Calcium	92.62	250	105
Chromium	<0.01	<0.01	<0.01
Cobalt	<0.05	<0.05	<0.05
Copper	0.04	<0.05	0.041
Iron	1.03	<0.2	1.03
Lead	<0.01	<0.01	<0.01
Magnesium	31.15	300	52.7
Manganese	0.05	<0.04	0.05
Mercury	<0.0003	<0.0003	<0.0003
Nickel	<0.03	<0.03	<0.03
Selenium	<0.01	<0.01	<0.01
Silicon	9.92	100	17.2
Silver	<0.01	<0.013	<0.01
Sodium	164.85	500	192
Strontium	5.30	50	8.9
Thallium	<0.003	<0.02	<0.004
Zinc	<0.1	<0.1	<0.1
M-Alkalinity (as CaCO3)	122.85	400	145
Chloride	330.77	900	376
Conductivity (umhos/cm)	1397.69	3500	1566
Fluoride	0.35	5.0	0.72
Hardness (as CaCO3)	376.9	1100	435
Oil & Grease	2.1	NA	2.1
PH (stu)	7.48	8.0	7.5
Sulfate	88.40	500	121
Sulfide	<1.0	305	1.2
Total Dissolved Solids (TDS)	942.31	2500	1070
Total Organic Carbon (TOC)	17.08	8.0	16
Total Suspended Solids (TSS)	NA	8.0	5

NOTE 1: Seasonal variations in the IRFWCD Canal Vales are expected.

NOTE 2: These are the maximum allowable limits for cooling water supply to BHEC. Per paragraph 5.e of the Agreement, in the event the combination of canal water and RO brine supply to BHEC exceed these maximum values, the RO brine supply will be shut off.