



South Florida Water Management District  
3301 Gun Club Road, P.O. Box 24680, West Palm Beach, Florida 33416-4680  
(561) 686-8800 • 1 (800) 432-2045  
TDD (561) 697-2574

[http://www.sfwmd.gov/misc/1\\_contact.html](http://www.sfwmd.gov/misc/1_contact.html)

*Additional Data Directories can be obtained from any District Office lobby.*

# D ATA IRECTORY



The *Mission* of the South Florida Water Management District is to manage water resources for the benefit of the region balancing the needs of the present generation with those of future generations. Equally important elements of this stewardship are the conservation and development of water supply, the protection and improvement of water quality and the mitigation of impacts from flood and drought, and the restoration and preservation of natural resources.

**JANUARY 1999**

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## BACKGROUND

The District's mission is to manage water and related resources for the benefit of the public. The key elements of the Mission are: environmental protection and enhancement, water supply, flood protection, and water quality protection. The District collects and stores a large amount of data and information to support its mission. This data is stored in many formats (in electronic format, on paper or both) and is available for use internally by District employees and also by the public. The SFWMD Data Directory was produced to assist the public and District personnel alike in obtaining the District's data and information.

If you have any comments or suggestions about the format or content of this directory, please contact Cathy Calogero at (561) 682-6059.

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## CATEGORIES OF DATA AND INFORMATION

|                                       |                         |                     |       |
|---------------------------------------|-------------------------|---------------------|-------|
| African American Outreach Coordinator | ....Charles Scott II    | .....(800) 432-2045 | X6009 |
|                                       |                         | (954) 713-3200      | X4986 |
| Agricultural Privilege Tax            | .....Gloria Trope       | .....(561) 682-6296 |       |
| Benchmarks                            | .....Ed Scott           | .....(561) 682-6674 |       |
| Budget/Millage Rates                  | .....Aaron Basinger     | .....(561) 682-6660 |       |
| Community Events/Displays             | .....Elena Bernardo     | .....(561) 682-6003 |       |
| Conservation/Water Shortage           | .....Bruce Adams        | .....(561) 682-6785 |       |
| Contracts                             | .....Cindy Houston      | .....(561) 682-6382 |       |
| GIS Coverages                         | .....Joe Chapa          | .....(561) 682-6056 |       |
| Hispanic Outreach Coordinator         | .....Laura Corry        | .....(800) 432-2045 | X6012 |
|                                       |                         | (954) 713-3200      | X4987 |
| Leasing District Lands                | .....Andrea M. Stringer | .....(561) 682-6217 |       |

### Maps

- Electronic/GIS .....Dennis Meierer .....(561) 682-6673
- Paper (Right-Of-Way & As-Builts  
of District Canals & Levees) .....Diane Varricchio .....(561) 682-6464  
Henry Newman .....(561) 682-6464

|   |                          |                     |       |
|---|--------------------------|---------------------|-------|
| Media Relations                         | .....John Neuharth       | .....(561) 682-6005 |       |
| Office of Supplier Diversity & Outreach | .....Carolyn L. Williams | .....(561) 682-6335 |       |
| Ombudsman                               | .....Richard Williams    | .....(800) 432-2045 | X6128 |
|   |                          | (561) 682-6128      |       |

|                              |                          |                     |  |
|------------------------------|--------------------------|---------------------|--|
| PROdocs                      | .....Nadine McAndrews    | .....(561) 682-6438 |  |
| Public Records/Legal Records | .....Stan Mucinic        | .....(561) 682-6261 |  |
| Publications Distribution    | .....Sandy Jurban        | .....(561) 682-6204 |  |
| Purchasing                   | .....Marilee Boyd        | .....(561) 682-6390 |  |
| Real Estate Records          | .....Tony Melley         | .....(561) 682-6669 |  |
| Security                     | .....Edward P. Muldowney | .....(561) 682-6440 |  |
| Speakers Bureau              | .....Elena Bernardo      | .....(561) 682-6003 |  |
| Surveys                      | .....Howard Ehmke        | .....(561) 682-6672 |  |
| Technical Publications       | .....Donna Martens       | .....(561) 682-6745 |  |
| Tours                        | .....Sharon Hasty        | .....(561) 682-6844 |  |

### Visual Communications

- Animation .....Pat Partington .....(561) 682-6069
- Photography .....Patrick Lynch .....(561) 682-6385
- Videos .....Emilio Vazquez .....(561) 682-6062
- Web Page Design/Graphics/Consultation ..Kathryn Ronan .....(561) 682-6159  
Jane Walters .....(561) 682-6157

### Water Resource Education

- (Adult & Youth) .....Sally McPherson .....(561) 682-6004

### Web Management

- System Administration • Webmaster .....Bob Haine .....(561) 682-6046
- Project Management • Consultation .....Dawn Rose .....(561) 682-6196

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## ENGINEERING DESIGN AND CONSTRUCTION

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|                                      |                      |                |
|--------------------------------------|----------------------|----------------|
| Capital Improvements Projects.....   | Albert Basulto.....  | (561) 682-6395 |
| • Engineering Design (CIP) .....     | Zan Kugler.....      | (561) 682-6170 |
| • Construction (CIP) .....           | Tom Johns.....       | (561) 682-6235 |
| Everglades Construction Project..... | Jennifer Jorge ..... | (561) 682-6980 |
| Everglades Project Design.....       | Jim Kunard .....     | (561) 682-6711 |
| Everglades Stormwater Program .....  | Damon Meiers.....    | (561) 682-6876 |

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## LAND MANAGEMENT

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|  |                       |                      |
|--|-----------------------|----------------------|
| Interim Land Management Program .....  | Tom McCracken.....    | (561) 924-5310 X6476 |
| Land Acquisition Plan Coordinator..... | Bill Helfferich ..... | (561) 924-5310 X6637 |
| Public Use Program Coordinator .....   | Janetta Worth.....    | (561) 924-5310 X6640 |
| Stewardship Program Director .....     | Fred Davis.....       | (561) 924-5310 X6636 |

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## OPERATIONS

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|   |                       |                |
|---|-----------------------|----------------|
| Meteorologic Current Conditions .....           | Eric Swartz .....     | (561) 682-6113 |
| Operational Criteria .....                      | George Hwa .....      | (561) 682-6108 |
| Operations Surface Water Conditions Report..... | Barbara Jackson ..... | (561) 682-6106 |

### Structure Design Information

|                                       |                       |                |
|---------------------------------------|-----------------------|----------------|
| • Ecosystem Restoration Projects..... | Jim Kunard .....      | (561) 682-6711 |
| • All Other Structures .....          | Vince Loehrlein ..... | (561) 682-6174 |
| Water Levels, Current.....            | Barbara Jackson ..... | (561) 686-6106 |

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## REGULATORY

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|   |                     |                |
|---|---------------------|----------------|
| Above Ground Impoundments (AGI's) ..... | Jeff Gronborg ..... | (561) 682-6593 |
| Enforcement Data .....                  | Stacy Myers .....   | (561) 682-6208 |

### PERMITS:

#### *ERP Stormwater/Engineering Permitting:*

- Monroe, Miami-Dade, Broward and Southern Palm Beach Counties .....
- Northern Palm Beach, Martin, St. Lucie, Highlands and Okeechobee Counties.....
- Collier, Lee, Charlotte, Hendry and Glades Counties.....
- Orange, Osceola and Polk Counties .....

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#### *ERP Wetland Permitting - Including Mitigation, Mitigation Banking, State Lands and Wetland Delineation:*

- Monroe, Miami-Dade, Broward and Southern Palm Beach Counties .....
- Northern Palm Beach, Martin, St. Lucie, Highlands & Okeechobee Counties .....
- Collier, Lee, Charlotte, Hendry and Glades Counties .....
- Orange, Osceola & Polk Counties .....

#### *Everglades BMP Permit Program:*

- Basin-Level Water Quality Monitoring .....
- Farm Level Water Quality Monitoring.....
- Permit Information .....
- LOK WOD Permit/Monitoring .....
- One-Stop and DRI Permit/Monitoring .....

#### *Permit Transfers*

- (D&F/ERP/M/SWM/WU) .....

#### *Post Permit Compliance for ERP/SWM Permits - Engineering*

- Broward, Miami-Dade, and Monroe Counties .....
- Palm Beach County.....
- Martin and St. Lucie Counties .....
- Okeechobee and Highland Counties .....
- Collier, Lee, Glades, Charlotte and Hendry Counties .....
- Orange, Osceola and Polk Counties .....

#### *Post Permit Compliance for ERP/SWM Permit -*

- Legal/Institutional .....
- Regulatory Permit (electronic) .....
- Regulatory Permit (paper) .....

#### *Right of Way Use Permitting/Compliance*

- Monitoring.....
- SWM Permit/WQ Monitoring .....
- Water Well Contractor Licensing.....
- Water Shortage Variances .....
- Well Construction/Completion .....
- WU Permit/Pumpage/Salt Monitoring .....

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## RESEARCH & PLANNING

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|                                |                  |                |
|--------------------------------|------------------|----------------|
| C&SF Restudy Information ..... | Tom Teets .....  | (561) 682-6780 |
| Manatees .....                 | Frank Lund ..... | (561) 682-6631 |

### Minimum Flows and Levels:

|                                     |                       |                |
|-------------------------------------|-----------------------|----------------|
| • Biscayne Aquifer .....            | Jeff Giddings .....   | (561) 682-6939 |
| • Biscayne Bay .....                | Richard Alleman ..... | (561) 682-6716 |
| • Caloosahatchee Estuary.....       | Sharon Fowler.....    | (561) 682-6155 |
| • Everglades, Lake Okeechobee ..... | Dave Swift.....       | (561) 682-6703 |
| • Legal and Policy Issues .....     | Cecile Ross .....     | (561) 682-6343 |
|                                     | Dean Powell .....     | (561) 682-6787 |
| • Lower West Coast Aquifer .....    | Jim Gross.....        | (561) 682-6803 |
| • Loxahatchee River & Estuary ..... | Frank Lund .....      | (561) 682-6631 |
| • St. Lucie Estuary .....           | Sharon Fowler.....    | (561) 682-6155 |
| Planning Publications .....         | Donna Martens.....    | (561) 682-6745 |

### Project-Related:

|  |                      |                      |
|--|----------------------|----------------------|
| • Ecological Data .....                        | Darlene Marley ..... | (561) 682-2172       |
| • Estuaries Research .....                     | Al Steinman .....    | (561) 682-6492       |
| • Everglades/Florida Bay Research.....         | Tom Fontaine .....   | (561) 682-6551       |
| • Everglades Food Web Research.....            | Dale Gawlik .....    | (561) 682-6712       |
| • Everglades Mapping.....                      | Ken Rutchey .....    | (561) 682-6618       |
| • Everglades Nutrient Removal Project.....     | Tom Kosier .....     | (561) 682-6533       |
| • Everglades Phosphorus Threshold Studies..... | Paul McCormick ..... | (561) 682-6567       |
| • Indian River Lagoon Feasibility Study .....  | Dave Unsell .....    | (561) 682-2608 X6888 |
| • Kissimmee Basin Water Supply Plan .....      | Chris Sweazy.....    | (407) 858-6100 X3822 |
| • Kissimmee Chain of Lakes .....               | Jim Carnes.....      | (561) 682-6788       |
| • Kissimmee River Restoration Data .....       | Chris Carlson .....  | (561) 682-6143       |
| • Lake Okeechobee Research.....                | Al Steinman .....    | (561) 682-6492       |
| • Lake Okeechobee SWIM Plan .....              | Barry Rosen.....     | (561) 682-6348       |
| • Lake Okeechobee Regulation Schedule .....    | Barry Rosen.....     | (561) 682-6348       |
| • Lower East Coast Water Supply Plan .....     | John Mulliken.....   | (561) 682-6449       |
| • Lower West Coast Water Supply Plan .....     | Jim Gross.....       | (561) 682-6803       |
| • South Florida Water Quality Model .....      | Zhen Chen .....      | (561) 682-6652       |
| • STA Optimization Research .....              | Mike Chimney .....   | (561) 682-6523       |
| • Supplemental Technologies Research.....      | Susan Gray .....     | (561) 682-6919       |
| • Ten Mile Creek Project.....                  | Denise Arrieta.....  | (561) 682-6758       |
| • Upper East Coast Water Supply Plan .....     | Mark Elsner.....     | (561) 682-6156       |

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## Simulation Models

|                                       |                     |                |
|---------------------------------------|---------------------|----------------|
| • Everglades/Florida Bay Models ..... | Chris Madden .....  | (561) 682-2982 |
| • Everglades Landscape Model .....    | Fred Sklar .....    | (561) 682-6504 |
| • Groundwater Models.....             | Stacy Hill .....    | (561) 682-6885 |
| • In-Lake/Watershed Models .....      | Todd Tisdale .....  | (561) 682-6511 |
| (for Lake Okeechobee only)            |                     |                |
| • Regional Planning Model .....       | Randy Van Zee ..... | (561) 682-6524 |

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## WATER RESOURCES

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|  |                             |                      |
|--|-----------------------------|----------------------|
| Daily Surface Water System Storage ..... | Madhav Pandey .....         | (561) 682-6014       |
| Groundwater Wells/Water Quality .....    | Emily Hopkins .....         | (561) 682-6824       |
|  | Carol Milliman Maddox ..... | (561) 681-2500 X4512 |

### Hydrologic Projections -

|  |                     |                |
|--|---------------------|----------------|
| • 6 Month Forecasts .....  | Alaa Ali .....      | (561) 682-6513 |
| Hydrometeorologic Data (Flow, Water<br>Level, Rain, Temperature, Humidity, etc.) | Angela Chong.....   | (561) 682-6514 |
| Monitoring Station Information.....  | Angela Chong .....  | (561) 682-6514 |
| Monthly Rainfall Maps.....   | Madhav Pandey ..... | (561) 682-6014 |
| Operation Logs .....   | Ernie Gallego ..... | (561) 682-6556 |
| Remote Access to Hydrometeorologic<br>and Water Quality Data .....               | Angela Chong .....  | (561) 682-6514 |
| Water Quality Data.....  | Angela Chong.....   | (561) 682-6514 |

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## SERVICE CENTERS

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### BIG CYPRESS BASIN

6089 Janes Lane  
Naples, FL 34109  
(941) 597-1505  
SUNCOM 721-7920  
FAX (941) 597-4987

**(Please use the main telephone number for all inquiries.)**

|   |                      |      |
|---|----------------------|------|
| Administrative/Budget .....                     | Clarence Tears ..... | 7601 |
| Community Events/Water Resource Education ..... | Barbara Kerby.....   | 7603 |
| Operation & Maintenance .....                   | Steve Ladd .....     | 7611 |
| Planning, Hydrologic Info.....                  | Ananta Nath .....    | 7607 |

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### DUPUIS RESERVE

23500 SW Kanner Highway  
Canal Point, FL 33438  
(561) 924-5310

**(Please use the main telephone number for all inquiries.)**

|  |                       |      |
|--|-----------------------|------|
| Dupuis Reserve Land Manager .....            | Bert Trammell .....   | 3332 |
| Land Stewardship Coordinator .....           | Pete David .....      | 3331 |
| Land Stewardship Field Crew Supervisor ..... | Dennis Driggers ..... | 3334 |

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### OKEECHOBEE SERVICE CENTER

205 E. North Park Street  
Okeechobee, FL 34972  
(941) 462-5260, (800) 250-4200  
SUNCOM 761-5260  
Fax: (941) 462-5269

**(Please use the main telephone number for all inquiries.)**

|  |                         |      |
|--|-------------------------|------|
| Director .....   | John Morgan .....       | 3014 |
| Administrative/Budget .....                            | Sheryl Yackamouih ..... | 3021 |
| Engineering .....                                      | Loris Asmussen .....    | 3005 |
| Environmental.....                                     | Greg Sawka .....        | 3018 |
| GIS.....   | Sharon Wallace .....    | 3020 |
| Government & Community Outreach.....                   | Missie Barletto .....   | 3006 |
|  | Steve Johnson .....     | 3012 |
| Lake Okeechobee/Works of the District.....             | Steffany Gornak.....    | 3010 |
| Land Management.....                                   | Harold Price .....      | 3015 |
| Local Government Regulatory Issues .....               | Gary Ritter .....       | 3017 |
| Scheduling Videoconferences &/orConference Rooms ..... | Debbie Snyder .....     | 3019 |

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## ORLANDO SERVICE CENTER

7335 Lake Ellenor Drive  
Orlando, FL 32809  
(407) 858-6100, (800) 250-4250  
SUNCOM 358-6100  
FAX: (407) 858-6121

**(Please use the main telephone number for all inquiries)**

|   |                          |      |
|---|--------------------------|------|
| Director .....  | Bill Stimmel .....       | 3821 |
| Community Outreach/Media Assistance .....                                       | Bridgett Duckworth ..... | 3806 |
| Kissimmee Basin Water Supply Plan .....   | Chris Sweazy .....       | 3822 |
| Land Management.....  | Jay Udelhoven .....      | 3823 |
| Management/Administration/Budget .....  | Bill Stimmel .....       | 3821 |
|   | Bridgett Duckworth ..... | 3806 |
|   | Vickie Jones .....       | 3810 |
| Natural Resource Management/<br>Post Permit Compliance/Wetland Delineation..... | Marc Ady .....           | 3803 |
| Planning/Project Management .....   | Larry Pearson .....      | 3817 |
| Surface Water Management/Field Engineering .....                                | Ed Yaun .....            | 3824 |
| Technical Support .....   | Dona Spry .....          | 3820 |

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## MIAMI-DADE REGIONAL SERVICE CENTER

172-A West Flagler Street  
Miami, FL 33130  
(305) 377-7274, (800) 250-4300  
SUNCOM 452-7274  
FAX (305) 377-7293

**(Please use the main telephone number for all inquiries)**

|  |                              |      |
|--|------------------------------|------|
| Director .....   | Roman Gastesi .....          | 7289 |
| Biscayne Bay SWIM & South Dade Issues.....             | Deborah Drum .....           | 7017 |
| Community Events/Water Resource Education .....        | Ana Maria Monte Flores ..... | 7290 |
|  | Irela Bague .....            | 7291 |
| Florida Bay Water Quality Monitoring.....              | Cecilia Weaver.....          | 7279 |
| Local Government Assistance .....                      | Maribel Balbin .....         | 7280 |
| Regulation & Permitting Questions .....                | Horacio Weelock .....        | 7209 |
| South Dade Land Management and Public Use Issues ..... | Matt Davis .....             | 7223 |
| Spanish Language Information .....                     | Ana Lopez .....              | 7288 |

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**BROWARD SERVICE CENTER**

201 S. Andrews Avenue  
Ft. Lauderdale, FL 33301  
(954) 713-3200, (877) 350-3897  
SUNCOM 459-4877  
FAX: (954) 713-3205

**(Please use the main telephone number for all inquiries)**

|   |                       |      |
|---|-----------------------|------|
| Director Local Government/Media Assistance .....    | Humberto Alonso ..... | 4981 |
| Administration/Budget .....                         | Lorraine Crawl .....  | 4982 |
| Community Events/Water Resource Education.....      | (954) 713-3200        |      |
| Comprehensive Planning Land/Water Use Planning..... | Jim Karas .....       | 4983 |

**FORT MYERS SERVICE CENTER**

2301 McGregor Boulevard  
Fort Myers, FL 33901  
(941) 338-2929, (800) 248-1201  
SUNCOM 748-2929  
FAX: (941) 338-2936

**(Please use the main telephone number for all inquiries)**

|   |                        |                |
|---|------------------------|----------------|
| Director .....  | Chip Merriam .....     | 7716           |
| Administration/Budget .....                           | Karen Nelson .....     | 7720           |
| Caloosahatchee Water Management Plan .....            | Richard Dawdy.....     | 7755           |
|   | Clyde Dabbs .....      | 7759           |
|   | Akin Owosina .....     | 7733           |
| Center For Environmental Studies/Tarpon Bay Labs..... | Ken Cummins.....       | (941) 472-9410 |
| Governor's Commission .....                           | Bonnie Kranzer .....   | 7712           |
| Land Management.....                                  | Jim Goodwin .....      | 7718           |
| Media Relations & Government/Public Affairs.....      | Kurt Harclerode .....  | 7715           |
| Natural Resource Management.....                      | Karen Johnson .....    | 7725           |
| Planning/Project Management .....                     | Jacque Rippe .....     | 7758           |
| Post Permit Compliance/Field Engineering .....        | Margaret Bishop.....   | 7751           |
| Special Projects .....                                | Ben Pratt .....        | 7748           |
| Surface Water Management .....                        | Richard Thompson ..... | 7719           |
| Water Use .....                                       | Terry Bengtsson .....  | 7740           |
| Western Basin .....                                   | Steve Sentes.....      | 7754           |

**FLORIDA KEYS SERVICE CENTER**

P.O. Box 430520  
Big Pine Professional Building  
Mile Marker 29.75  
Overseas Highway - Ocean  
Big Pine Key, FL 33043  
(305) 872-1182, (800) 464-5067

All Inquiries.....Rhonda Haag

**MARTIN/ST. LUCIE SERVICE CENTER**

210 Atlanta Avenue  
Stuart, FL 34994  
(561) 223-2600, (800) 250-4100  
SUNCOM 269-2600  
FAX (561) 223-2608

**(Please use the main telephone number for all inquiries)**

|   |                      |      |
|---|----------------------|------|
| Director .....                                  | Paul Millar .....    | 3602 |
| Administrative/Financial/Budget .....           | Reba Brown .....     | 3601 |
| Center for Environmental Studies .....          | Patrick Gostel ..... | 3612 |
|   | Casey Brown .....    | 3609 |
| Community Events/Water Resource Education ..... | Kelli Reed.....      | 3610 |
|   | Barbara Welch .....  | 3611 |
| Land Management/Right-Of-Way .....              | Pam Dostal .....     | 3605 |

**Regulatory/Compliance**

- Environmental .....
- Surface Water.....

|   |                 |      |
|---|-----------------|------|
| St. Lucie Estuary/Indian River Lagoon SWIM.....                                 | Patti Sime..... | 3603 |
| Upper East Coast Water Supply Plan/<br>Land & Water Use Planning/Contracts..... | Paul Ezzo.....  | 3604 |

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## GLOSSARY

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**Above Ground Impoundment:** A water storage area that utilizes dikes to store water above all or a portion of the surrounding ground. Permitted above ground impoundment dikes and appurtenant works are to be inspected by a Florida registered professional engineer for the required submittal of an engineer's inspection certification report on an annual basis.

**African American Outreach Coordinator:** The District's liaison to the African American community and polity it represents. The Coordinator provides the community with District Water Resources Education information and materials, employment information, business opportunities information and a general prospective of the District's responsibility to the community in relationship to the District's mission.

**Agricultural Privilege Taxes:** Annual taxes imposed by the Everglades Forever Act for the privilege of conducting an agricultural trade or business on real property within the EAA and the C-139 Basin. These taxes are charged on each acre of real property or portion thereof (non-ad valorem). They are collected in the manner provided for ad valorem taxes.

**Benchmarks:** A surveyor's mark made on a stationary object of previously determined position and elevation and used as a reference point in tidal observations and surveys.

**Budget/Millage Rates:** Information pertaining to the District's annual budget and millage rates levied by the District.

**C&SF Restudy:** Information pertaining to the District's joint effort with the U.S. Army Corps of Engineers in regards to reevaluation of the Central and Southern Florida Flood Control Project to restore the South Florida ecosystem.

**Capital Improvements Projects (CIP):** Projects identified in the District's Capital Program which support the activities of several District programs, most notably, the Operations and Maintenance (O&M) of Regional Flood Control Systems and District/Basin Management & Administration.

**Community Events/Displays:** Provides water resource education to the public through participation in local community events.

**Community Events/Water Resource Evaluation:** General information about the District, water conservation, etc.

**Conservation/Water Shortage:** Program designed to reduce water use to the most reasonable level for each type of use. Activities include assistance to water users through educational outreach efforts such as mobile irrigation laboratories, Xeriscape and retrofit projects, and outreach coordination with major water user/supplier groups. During normal rainfall and water demand years focus is on cooperative efforts. During deficit rainfall years (droughts) these efforts are focused more on the regulatory level, including management of water shortages.

**Contracts:** Information pertaining to contracts for goods and services purchased by the District.

**Daily Surface Water System Storage:** A report which shows a calculated total amount of water storage in the Upper Kissimmee Chain of Lakes, Lake Okeechobee and the Water Conservation Areas on a particular day. It also contains daily stages, regulation schedules, and whether the system is gaining or losing storage since the start of the current season (wet or dry).

**Dredge and Fill Permit Data:** Administrative and technical data pertaining to dredge and/or fill activities occurring in Waters of the State.

**DRI Permit Data:** Administrative and technical permit data pertaining to Development of Regional Impacts (a planning and approval process, designed for comprehensive assessment of development projects impacting multiple counties.)

**EAA WOD Permit Data:** Administrative and technical data for Works of the District permits issued for the purpose of monitoring the discharge of phosphorous from the Everglades Agricultural Area into the Everglades (includes permit and monitoring data).

**Ecological:** Ecological data can be broadly subdivided into vegetation, soils, phytoplankton, zooplankton, fish, wildlife, and water quality data.

**Enforcement Data:** Paper and electronic information of enforcement files relating to violations involving permitted and unpermitted activities (includes administrative information, violation documentation data, penalties, tracking of case).

**Everglades Construction Project (ECP):** Forms the foundation for the largest ecosystem restoration program in the history of Florida, and possibly the nation. The ECP is composed of 12 inter-related construction projects located between Lake Okeechobee and the Everglades. The cornerstone of the ECP is six large constructed wetlands totaling over 47,000 acres. These stormwater treatment areas, commonly referred to as "STAs", will use naturally occurring biological processes to reduce the levels of phosphorus that enter the Everglades.

**Everglades Stormwater Program:** An interdepartmental team developing and implementing schedules and strategies to achieve compliance with water quality standards for basins discharging into the Everglades Protection Area which are not within the Everglades Construction Project contributing area.

**Flow:** The amount of water that flows past a given control structure at any given time. Also, the rate at which water flows past the structure.

**GIS Coverages:** Geographic Information System databases in ESRI's ARC/Info export format. Over twenty primary coverages contain spatial and tabular data of land use; census; soils; wetlands; state and public lands; District, county, permit and drainage basin boundaries; section, township and range; monitoring stations; structure locations; topography; transportation; canal network and hydrography.

**Groundwater Wells/Water Quality:** Information about groundwater monitor wells and the water quality data associated with the wells. The well data includes well construction, location, physical properties, owner information, elevation, etc.

**Hispanic Outreach Program:** The objective of the Hispanic Outreach Program is to continue to inform and educate the Hispanic community about water resource issues of the day, and how these issues affect the quality of life now and in the future, with emphasis on District programs District-wide. It is the District's goal to garner better understanding within the Hispanic community about water resource issues, and how people's individual and collective actions affect this resource.

**Hydrologic Projections - 6 Month Forecasts:** A collection of graphs (hydrographs) depicting the forecasted water levels in Lake Okeechobee and the Water Conservation Areas. Forecasts are made monthly using the District's Hydrologic Projection Model.

**Hydrometeorologic Data:** Hydrologic and weather data such as flow, water level, rainfall, evaporation, solar radiation, temperature, humidity, wind speed, etc.

**In-Lake/Watershed Models:** In-lake hydrodynamic model data sets including current, stage, wind, and bathymetry. In-lake water quality model data sets including sediment, nitrogen and phosphorous concentrations, temperature, water flow and chlorophyll. Watershed model data sets including land use, soil association, rainfall, flow, stage and phosphorous concentration. These models pertain to Lake Okeechobee only.

**Interim Land Management Program:** Facilitates commercial use of District lands that are not yet needed for a specific water resource management project.

**Land Management Plan:** The official list of areas approved by the Governing Board that may be purchased using State funds (P-2000 or Water Management Lands Trust).

**Leasing District Lands:** Provide information pertaining to the leasing of district lands which is usually on a short term basis until the land is needed for its ultimate purpose.

**LOK WOD Permit Data:** Administrative and technical data for Works of the District permits. These permits are issued for the purpose of monitoring the discharge of phosphorous from the lands surrounding Lake Okeechobee into the lake in accordance with the Surface Water Improvement and Management Plan for Lake Okeechobee of 1993 (includes permit and monitoring data).

**Maps:** Maps of the District in either paper or Arc Info format.

**Meteorologic Current Conditions:** Short-term forecasts out to 7-10 days, current weather conditions around the District, and observed rainfall over the past 12 months.

**Mitigation Bank Permit Data:** Administrative and technical data for permits issued to ensure certain environmentally sensitive areas will be restored, enhanced or preserved. The permittees receive mitigation credits that may be used to offset wetland impacts.

**Monitoring Station Information:** Static information regarding hydrometeorologic and water quality monitoring stations such as latitude, longitude, county, section, township, range, period of record, etc.

**Monthly Rainfall Maps:** A collection of maps depicting rainfall information for District Rainfall Reporting Areas. Maps are updated monthly and reflect monthly/year-to-date rainfall totals and monthly/year-to-date rainfall deviations from normal (above or below average).

**One-Stop Permit Data:** Administrative and technical data pertaining to a single permit process required for all new development that encompasses multiple permit types (includes permit and monitoring data).

**Operation Logs:** Water control structures have different mechanisms for regulating stage and water flow. Each change in the setting of one of these mechanisms is recorded as part of the permanent record.

**Operational Criteria:** The criteria by which a water control structure is operated. For example, some structures are governed by when water levels rise to a certain pre-defined level. In such a case, a gate will open to release water. Some structures have special operating criteria consistent with manatee protection.

**Operations:** Broad category of data that pertains to the day-to-day operations and maintenance of the District's canals and water control structures.

**Permit:** Is an authorization to alter a natural condition of water related resources of the

District. They are as follows: D&F – Dredge and Fill Permit (D); ERP – Environmental Resource Permit (P); MB – Mitigation Bank Permit (M); SWM – Surface Water Management Permit (S); WU – Water Use Permit (W). All processed by and issued through the District's Regulation Department.

**Permit Conversion to Operation Phase:** The process of converting the permit from the construction phase to the operation phase after insuring that all applicable pre-operation conditions have been satisfied. It is the finalization of a permitted project (including (D&F/ERP/SWM) permit transfer to the operating entity, if different from the original permittee) where the District has turned the maintenance and operation responsibility for the surface water management system of the project over to the operating entity.

**Permit Data:** Administrative and technical data captured as a by-product of the permit review process.

**Permit Monitoring Data:** Data received from permittees as a condition of their permit, such as water quality, wetland mitigation, pumpage, salt water intrusion, etc.

**Permit Transfer from Seller to Buyer:** This transfer is required (under Chapter 373, Fla.Stat.) from the previous permittee (former owner of the permitted property) to the new owner of record for any one or more existing permit(s) (DYF/ERP/SWM/WU). NOTE: Permit transfers to the operating entity are processed separately and concurrently with permit conversions.

**Planning Publications:** Publications related to the District's planning function such as water supply plans and Surface Water Improvement and Management (SWIM) plans. Most planning publications now reside in Technical Publications; therefore they should be contacted first.

**Post Permit Compliance:** A comprehensive regulatory program involving staff from all divisions within the Regulation Department. The program's purpose is to insure conformance with the (D&F/ERP/M/SWM/WU) permit criteria and conditions to avoid adverse impacts to the resources, such as environmental impacts, effects on public health or welfare, inadequate systems operation and/or maintenance, etc.

**PROdocs:** An information resource base available on the network server and IWEB. Includes rules, policies, standards, guidelines, procedures, methods and related documents. A PROdocs Word application, complete with tools and templates of standard formats are available to guide you in developing and maintaining your documentation.

**Project-Related:** Data collected for specific projects. The data is collected for the duration of the project and there may not be permanent monitoring stations for this data. The types of data include ecologic, water quality, water levels and meteorologic.

**Public Records/Legal Records:** Records such as interagency agreements, litigation case files, contracts, enforcement litigation files, permit files, insurance claims, leases, water shortage orders and workers compensation case files.

**Public Use Program:** Provides recreational opportunities such as hunting, camping, hiking, biking and horseback riding on District-owned lands.

**Publications:** Any non-research or planning related District publications, such as Facts & Figures, Xeriscape, Maps, Posters, etc.

**Purchasing:** Information pertaining to Purchase Orders for commodities and services purchased by the District.

**Real Estate Records:** Records pertaining to the purchase or disposal of land by the District. This includes such information as the type of property, interest, number of acres, former property owners, deeds, etc.

**Regulatory Permit Data:** Administrative and technical data for Surface Water Management, Water Use and Environmental Resource permits.

**Regulatory:** Broad category of data pertaining to the permitting process including rules, permit application/issuance, monitoring for compliance and enforcement.

**Remote Access to Hydrometeorologic and Water Quality Data:** This service is designed to provide the public with continuous access to select District databases twenty-four (24) hours a day, seven days a week, subject to system maintenance requirements. Technical support and comprehensive manuals are available to guide users through successful access and retrieval of desired data.

**Research:** Broad category of data which supports the research activities at the District.

**Right of Way User Permitting/Compliance Monitoring:** Administrative and technical data pertaining to use of the District's canal and levee rights of way including monitoring of activities within the rights of way for conformance with applicable District rules.

**Rules:** Notices of public rulemaking workshops, proposed rule drafts, rulemaking status updates, and copies of existing District rules.

**Simulation Models:** District engineers and scientists run simulation models of the state of our water resources. The output of these computer models is stored for comparing what-if scenarios.

**Speakers Bureau:** The Speakers Bureau is an outreach effort to educate and inform the public regarding the District: who we are, what we do, and our projects. One of the strengths of this group is the diversity of its membership, from administrative personnel to department directors, everyone is encouraged to join. In addition to prepared speeches, the Speakers Bureau also offers a 12-minute video for presentations. For membership information or to find out more about the Speakers Bureau contact Elena Bernardo at ext. 6003.

**Stewardship Program:** Involves the identification, evaluation, selection and management of lands necessary for water supply, water management and the preservation of water and water-related resources. The Stewardship Land Manager Coordinator directs activities such as exotic plant control, prescribed burning and general maintenance on district lands.

**Surface Water Conditions:** Monthly report of surface water conditions including a meteorological summary and surface water summary. There are sections on Lake Okeechobee, Upper and Lower Kissimmee River Basins, St. Lucie Basin, Caloosahatchee Basin, EAA, WCA's and Lower East Coast.

**Surveys and Benchmarks:** Survey control points, historic calculation files, maps, GIS data, legal descriptions, digital drawing files, etc.

**SWM Permit Monitoring Data:** Analyzed water quality sample data received from Surface Water Management permitted projects (industrial sites).

**Technical Publications:** Any District publication pertaining to the District's scientific research activities.

**The Florida Center for Environmental Studies (CES):** A Type 1 Center of the State University System. Its Advisory Board includes representatives from each University, as well

as members from the University of Miami, the Florida Department of Environmental Protection, the South Florida Water Management District and the World Bank. Its mission is to collect, analyze and promote the use of scientifically sound information concerning tropical and subtropical freshwater and estuarine ecosystems. Located at Florida Atlantic University, it serves all ten (10) State Universities in the areas of environmental information, research coordination and promotion of environmental education.

**Tours:** The District offers a self-guided tour of its Xeriscaped grounds at its headquarters facility located at 3301 Gun Club Road in West Palm Beach. Visitors are welcome Monday through Friday, 7 am to 6 pm. The District provides tours of its projects to scientists, legislators, visiting government officials, and the media, on a need-to-know basis.

**Videos and Photographs:** An inventory of District-produced videos and still photographs are available by request.

**Water Levels:** The water level for each District canal, water body, or conservation area is monitored continuously, or a minimum of once per business day and stored in a database permanently. Also known as stage data. Current water levels are within the current day; historical water levels are more than one day ago.

**Water Quality:** Water samples are collected and analyzed to determine the composition of the water. The types of parameters measured are physical (e.g. temperature, dissolved oxygen, pH), nutrients (e.g. phosphorous, calcium, sodium), trace metals, major ions and pesticides.

**Water Resource Education:** Information regarding general water resource issues and projects for adult and youth audiences.

**Water Shortage Variances:** application for relief from the District's water shortage provisions during times of declared water shortage for a specific geographic area.

**Water Well Contractor Licensing:** Issuance of licenses to any person who is engaged in the business of construction, repair or abandonment of wells.

**Web Management:** Supports the District's Intranet (IWEB) and Internet (XWEB) initiatives, provides system administration, and guidance on Web site/systems analysis, design, development, testing and implementation. Dedicated to the ultimate goal of the Web Team – to use the Web browser as the single user interface to all District information systems applications. Guide GateKeepers and DocMasters on IWEB presentation and technical issues. Provides project management support for Web initiatives and evaluates and recommends new technologies.

**Well Completion Reports:** Contractors are required to send in completion reports for all wells – not just the permitted ones. These reports are required for construction, well repair and well abandonment.

**Wetland Monitoring/Mitigation Data:** Monitoring data received from permittees as a condition to their Surface Water Management or Dredge and Fill permits to restore, enhance or preserve environmentally sensitive lands.

**Wetland Delineation data:** Administrative and technical data for pre-permit binding agreements to determine project-specific wetland boundaries.

**WU Permit Monitoring Data:** Water Use pumpage and salt water intrusion monitoring data received from Water Use permittees (permitted and monitoring wells).