Technical Memorandum
WRE # 382

Internal and External Access to the District's Hydrometeorologic and Water Quality Data

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EXECUTIVE SUMMARY

This report provides information on the services available from the District to provide access to its water resource data and associated information. The South Florida Water Management District's database DBHYDRO acts as a repository for central and south Florida hydrometeorologic and water quality data. The District also has additional environmental data in the form of electronic and hard copy maps with GIS coverages such as vegetation cover, land use, monitoring site locations, and surface elevations.

The District seeks to provide the public with a high level of service by providing timely access to all data and information in its possession at no cost. The District also acquires data from other agencies and stores the information in its database for access by any user. External customers primarily acquire District data through the Resource Assessment Division in the Water Resources Evaluation Department (WRE). Local, county, state and federal agencies, universities, consultants, lawyers, students and any other individuals and entities who have interest in the south Florida ecosystem are the main customers. District staff mainly access data directly from DBHYDRO and occasionally through the Resource Assessment Division.

Initially, external customers were provided data on diskette and hard copy media. As the demand for data increased, the District installed REMO (Remote Electronic Access) so that external customers could have access to information on the District database, DBHYDRO, through a direct computer link established under a user contract issued by the District. In the last four years, the volume of data distributed by the District has increased greatly and the media of access has shifted substantially from hard copy to electronic. REMO access through TELNET (protocol application that logs on to other computers to obtain information) and FTP (file transfer protocol) are currently the main mode of data acquisition. Requests for hard copy data and diskette shipment has been declining consistently. In the near future, the District is planning to provide web-based access to agency data.

Most data requests also require technical support. The Resource Assessment Division provides technical support by identifying the data needs of its customers and providing information on the data and related technical issues.

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INTRODUCTION

The Resource Assessment Division (RAD) in the Water Resources Evaluation Department (WRE), handles internal and external water quality and hydrometeorologic requests for data. The division manages and supports external customer access to District data through Remote Electronic Access (known as REMO), and acquires and loads central and south Florida hydrometeorologic data from external agencies into DBHYDRO, the District corporate water resources database.

Data collected, processed and stored by the South Florida Water Management District (SFWMD) is used to study and resolve complex water resources issues facing the region. In recent years, there has been a large increase in the number of public requests for data and the volume of data per request. The District's answer to handling large increases in external data requests in a timely and cost effective manner is REMO (SFWMD, 1993). REMO is a UNIX workstation located outside the District's computer firewall dedicated to providing external data users with direct access to water quality, hydrologic and meteorologic data stored in the District's database, DBHYDRO (SFWMD,1997).

DBHYDRO acts as a repository for historical water quality and hydrometeorologic data for the 16-county region covered by the District. This database contains more than 13,000 hydrometeorologic and water quality station names, with several related data sets at each station. The number of monitoring stations continues to increase. The District also acquires data from external agencies that have monitoring networks in Florida. A few of the agencies that contribute data to the District database are the United States Geological Survey (USGS), Everglades National Park (ENP), National Oceanic and Atmospheric Administration (NOAA), United States Army Corps of Engineers (COE), and Department of Environmental Protection (DEP).

INTERNAL AND EXTERNAL DATA REQUESTS

Since the District started recording requests for water resources data, requests have increased by at least 20 percent each year. Table I shows the number of requests received and the percentage of increase from the previous year. These totals do not include the large amounts of data directly accessed through REMO by external clients. Appendix I list the types of customers and data requested in 1998. These records show the changes in volume of data requested, client types, data types requested, and the technology used to distribute data. By keeping statistics on what kinds of water resource information is being requested, the District is able to continually change with the needs of its customers.

Table I. Number of recorded data requests

Year	1995	1996	1997	1998
Number of recorded requests	481	608	725	923
Percent increase from previous year		26%	20%	27%

Figure 1 shows, for each month, the amount of incoming data requests and the number of requests which were fulfilled for 1998. An average of 77 requests were received and fulfilled each month.

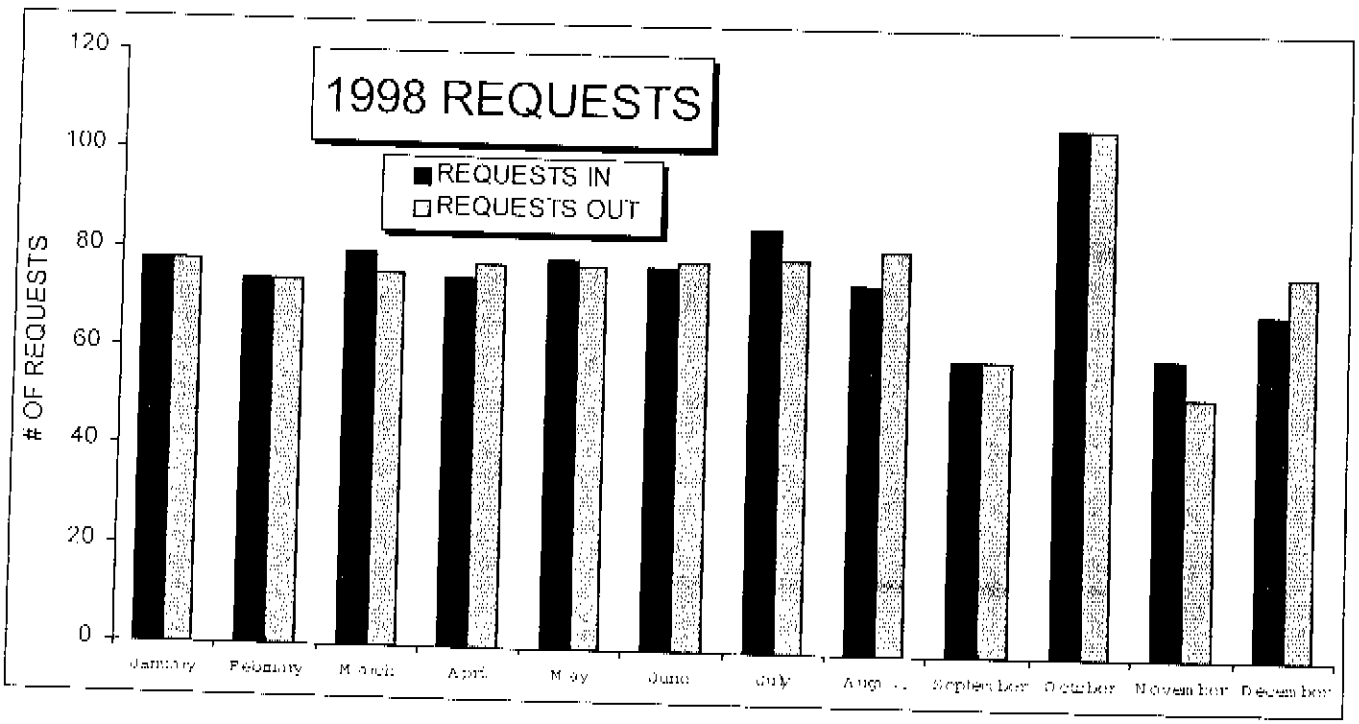

Figure 1. Monthly data requests for 1998

Table II shows the diversity of entities who requested data from the District. In 1995, 86 percent of requests were made by external clients. Since the introduction of REMO, the percentage of data requests made by external customers has decreased to approximately 75 percent. Requests made by consulting/engineering firms have decreased by over 40 percent in the last three years; however, over 52 percent of REMO contacts were executed by consulting/engineering firms, see Table V. In the last four years the percentage of government agency requests for data have doubled. The

increases in other government agencies' requests for data may be due to increased interest in environmental studies, particularly the Everglades.

Table II. Entities that requested data

Client	Year			
	1995	1996	1997	1998
Consulting/engineering firms	50 %	36 %	36%	28%
Other government agencies	13 %	18 %	20%	27%
Universities	6 %	16 %	12%	12%
Other clients (including agricultual farms, law firms, societies, newspapers, etc.)	17 %	6 %	7%	11%
SFWMD *	14 %	24 %	25%	22%

* internal requests

Table III shows the types of data distributed in 1995 through 1998. There is an increasing interest in new data types, which were not readily available in the past. These new data types include data on flow structure operations, GIS coverages, and weather data (e.g., humidity, radiation, wind speed, and wind direction). Water level is the most requested data type and has been requested 30 percent of the times since 1995. Request for rainfall data has decreased significantly over the last year. This decrease may be due to the availability of the Department of Operations and Maintenance (OMD) rainfall data on the District's Web site. Some of the District's weather data available on the Web includes: previous 24 hours rainfall data, Florida peninsula radar images, and 24 hour rainfall estimates from radar.

Table III. Types of data requested

Data Types	Year			
	1995	1996	1997	1998
Stage (water levels)	30 %	26 %	28 %	32%
Rainfall amounts	34 %	26 %	23 %	16%
Flow rates	19 %	16 %	15 %	13%
Water Quality	N/A	15 %	13%	18%
Other types (including GIS maps, gate operations, evaporation, conductivity, publications, etc.)	17 %	17 %	21 %	21%

In 1995, 60 percent of data requests was distributed by means of hard copy paper printouts, while only 40 percent were by electronic means. In 1998, 88 percent of data requests were fulfilled by electronic means (file transfer protocol (FTP), diskette, E-mail or telephone). The 1995 through 1998 data distribution media are summarized in Table IV. E-mail and FTP are the most popular means of data distribution. Customers often comment on how fast, easy and convenient it is to request and receive data through e-mail.

Through FTP, large amounts of data can be exchange instantaneously. Periodically, the DEP in Tallahassee requests a complete dump of all WRE empirical water quality data. Currently this data set is over 500 MB. Through FTP software, this large data file can be compressed to less than 70 MB, then placed temporally on REMO.

Table IV. Data distribution media

Method	Year			
	1995	1996	1997	1998
Printouts	58 %	42 %	29 %	12%
Diskettes	26 %	20 %	14 %	7%
E-mail or FTP	10 %	28 %	41 %	69%
FAX or phone	6 %	10 %	16 %	12%

REMOTE ELECTRONIC ACCESS

Since the introduction of REMO in April of 1995, over 460 organizations have requested and received information packages on how to access District data independently. These packages include:

a) Public notice announcement letter of the availability of Remote Electronic Access to the District's water quality and hydrometeorologic databases.
b) REMO contract, "Remote Electronic Access Agreement Between the South Florida Water Management District and Customer".
c) Manual to guide the user through access and retrieval of data, "User's Guide to REMO".
b) DBHYDO database manual, "User's Guide to Accessing the South Florida Water Management District Hydrometeorologic and Water Quality Database".
e) Map of "South Florida Water Management District Structure and Canal Locations".

The customer may access information stored on REMO in the read-only mode, twenty four hours

per day, seven days per week, with the exception of one day per month when the database is updated. Through a legal contract with the District, customers are advised that REMO is not accessible on the first Friday of every month and may continue to be inaccessible through the first Sunday of every month due to database updates. The District staff in RAD provides REMO users with the assistance to resolve administrative and technical problems to assure them success in accessing the agency's data; these include:

a) filling out the legal contract between the District and customer and providing a temporary user id and password to the client while their contract is being executed.
b) assisting the client with setting up and using modem to modem, TELNET (protocol application that logs on to other computers to obtain information) and FTP communication to REMO.
c) adding users to existing contracts, resetting users passwords, and changing permission on REMO accounts.
d) providing training in the use of REMO universal key mapping and getting the desired data from the hydrometeorologic and the water quality database.

Organizations executing REMO contracts continue to increase. Organizations in Waterloo, Canada; Washington, D.C.; Sacramento, CA; and Baton Rouge, LA have executed REMO contracts. As of May 1999, 105 REMO contracts have been executed and more than 325 user ids/passwords have been issued. Appendix II lists REMO contract numbers, client types, client locations and the number of users on each contract. Increases in corporate and government entities executing REMO contracts reflect growing interest in water resource data and clients' desire to access data on their own, at their convenience, without dependence or delay. Table VI shows the diversity of entities having executed REMO contracts.

Table VI. Entities with REMO contracts

Client Types	
Consulting/engineering firms	52%
Government agencies	32%
Universities	12%
Other entities (utility company, high school, etc.)	4%

REMO users often make suggestions on ways to improve the database and they express interest in the kinds of information they would like to see made available. The District attempts to accommodate these ideas when possible. Suggestions include making REMO web accessible, link GIS coverages to DBHYDRO, adding format and detail options for data, and increasing data collection sites and data types.

DBHYDRO, DATABASE SUPPORT AND PROGRAMS

A database is an indispensable tool for engineers and scientists as it facilitates the access, handling, and organization of enormous volumes of data. The DBHYDRO database was designed and developed by the SFWMD, and presently stores water quality and hydrometeorologic data collected by the SFWMD and many other agencies, along with additional supplementary information about sites, structures, and stations where data are collected.

The District provides technical support, database training and comprehensive technical manuals to help clients understand data collection, processing and analysis methods. A comprehensive user's guide is available to database users: "User's Guide to Accessing the South Florida Water Management District Hydrometeorologic and Water Quality Database, DBHYDRO". The DBHYDRO manual describes how to access and use the District database, DBHYDRO, along with a sample of the details, formats and special reports in which data is available. It also explains how the database can be searched by location and data qualifiers, and provides a comprehensive list of water quality projects, test types, sample types, and codes. A list of measurement units, tag descriptions, and commonly asked questions are also included.

Other WRE support manuals are also provided to clients on a case by-case basis covering the following topics:

- Water quality, hydrometeorologic or ground water networks
- Flow computations and equations
- Data collection and quality assurance methods
- Hydrologic conditions and storm event reports
- Atlases for counties and basins, with maps

With the increased capacity of computers, scientists and engineers are able to handle vast amounts of archive data, which are used for developing and calibrating complex models. Universities, government agencies and consultants often request statistical (hourly maximum, mean, and minimum) data. Requests for statistical data cannot be handled by REMO because special programs are needed to retrieve statistical data from the archive database. Thus, the RAD must handle these types of requests for data by using internal District programs and scripts which can extract data directly from the District's Data Collection/Validation Processing (DCVP) system, where these data are stored.

An example of a client who requests large amounts of archive data, is the National Aeronautics and Space Administration (NASA), at Goddard Space Flight Center in Maryland. Since 1995, the District has provided central and south Florida rainfall data for the Tropical Rainfall Measuring Mission (TRMM) Satellite Global Validation Program, which uses quality tipping bucket raw data to improve the accuracy of rain products produced from radar.

Listed below are internal District programs used to meet the changing needs of the database users:

a) The Interval Value Generator (IVG) program extracts archive data and computes specified statistics for a specified interval and date range. Choices of interval are: year, month, day, hour or number of minutes. Statistics types are: MAXIMUM, MINIMUM, MEAN, INSTANTANEOUS or SUM.
b) The Extract program retrieves provisional and archive data for SFWMD stations.
c) The Hydrograph program runs the flow computation program, to obtain instantaneous stage, operation, and flow data for SFWMD structures.
d) Oracle SQL scripts are used to obtain data directly from Oracle database tables. These scripts are used to extract water quality control samples or flagged data.

Each data request received is fulfilled using one of the data acquisition methods listed in Table VII. Most data requests can be fulfilled by DBHYDRO, and more customers would access data on their own if DBHYDRO were easier to use. One of the District's strategic priorities is to make data and information more accessible. Projects have been initiated to web-enable DBHYDRO. First releases of production web-enabled applications are now in place on the District's internal web. Carrying these applications to the external web will be enabled by the addition of new computers and software in fiscal year 1999-2000. The main benefits of web-enabling database access are:

a) providing a universal graphical user interface that will allow point-and-click functionality with the "mouse"
b) allowing interactive access to data via maps and
c) developing computer programs more easily that will allow users to "unlock" the information that is already in DBHYDRO.

Table VII. 1998 Data Acquisition Methods

Data Source	
DBHYDRO	49%
SQL scripts	19%
Extract / IVG / Hydrograph	14%
Web	5%
Other (technical publication, reference center, etc.)	13%

DATA ACQUISITIONS

The Resource Assessment Division acquires and loads to DBHYDRO, data from various external agencies for use by District and external data users. Appendix III lists these agencies and their respective sites. The United States Geological Survey (USGS) collects flow and stage data under an interagency contract agreement with the District and the Everglades National Park (ENP) collects rainfall, flow, stage and water quality parameters. The National Oceanic and Atmospheric Administration (NOAA) collects climatological data, the United States Army Corps of Engineers has rainfall, stage and flow measurement networks within the District area and the Department of Environmental Protection (DEP) possesses flow data.

Recently the District acquired and loaded daily period of record ENP data for 1 flow, 57 stage and 36 rain sites. This recent data acquisition increased the District's ENP database coverage by over 50 percent, ENP now provides the District with monthly data updates free of charge.

The District purchases data collected by NOAA and each month the Resource Assessment Division receives a diskette with daily mean evaporation and precipitation data for 50 NOAA sites, which are loaded into DBHYDRO. All available NOAA climatological data for the south Florida region has been purchased by the District, this includes hourly precipitation, temperature and wind data.

SUMMARY

The South Florida Water Management District database, DBHYDRO, provides access to central and south Florida water resources data, and the number of requests for this data continues to grow. In 1998, the number of direct data requests addressed by the District through the Resource Assessment Division of the Water Resources Evaluation Department increased by 27 percent. The District is responsive to this increase in demand and continues to look forward to making data more accessible to users. The volume of data that the District provides has increased far more than what has been reported because remotely accessed data is not included in this report.

Interest in remote electronic access to the District database is expected to continue. The District is working towards providing a web-based access to the database which will further facilitate the services that the District provides. However, technical questions and material requests associated with the data and database will continue to be an important customer service and will also increase along with demand for the information.

REFERENCES

Chong, A. 1998. Internal And External Access to the District's Hydrometeorologic and Water Quality Data. Technical Publication. Resource Assessment Division. WRE. SFWMD.

Chong, A. 1997. Remote Electronic Access of Hydrometeorologic and Water Quality Data and Internal and External Requests. Summary Report. Resource Assessment Division. WRE. SFWMD.

SFWMD. 1997. User's Guide to Accessing the South Florida Water Management District Hydrometeorologic and Water Quality Databases. Database Manual. WRE. SFWMD.

SFWMD. 1993. External Electronic Access to District Computers Subcommittee Report to the TMAC. Report. SFWMD.

APPENDIX I
LIST OF CLIENTS AND DATA REQUESTED

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
1	SFWMD	1/5/98	1/5/98	S48, period of record flow	flow	dbhydro	e-mail
2	private	1/5/98	1/5/98	flow sites latitude < 271500 info list	flow	dbhydro	printout
3	university	1/5/98	1/5/98	Lee Co. info list of hydro sites	all hydro types	dbhydro	e-mail
4	SFWMD	1/5/98	1/5/98	NOAA hourly data POR St. Lucie New Lock, Vero Beach 4 W, Pt. Mayaca	rain	NOAA diskettes	e-mail
5	government	1/5/98	1/5/98	E. Tohopekaliga info list S58%	stage	dbhydro	e-mail
6	SFWMD	1/5/98	1/5/98	8 mile radius info list area around G211, flow & stage G211	flow / stage	dbhydro	e-mail
7	SFWMD	1/5/98	1/5/98	Project ENRH 19970601 - 19971231, all water quality test types	water quality	sql script	e-mail
8	government	1/5/98	1/5/98	info list hydro sites in Collier Co	all hydro types	dbhydro	e-mail
9	consulting/engineering	1/6/98	1/6/98	1997 monthly summary dbkeys, 05810 and 05886, CCRK,HQ and CCWWTP	rain	dbhydro	e-mail
10	SFWMD	1/6/98	1/6/98	alternate id S72, stage township 45/46 and ranges 36/37	stage	extract	ftp network
11	private	1/6/98	1/6/98	Belle Glade and Lake Okeechobee current stages	stage	system storage / rweb	e-mail
12	government	1/6/98	1/6/98	info list of well sites in township 51, range 42, GIS map Broward Co. #10	GIS map / well	dbhydro	e-mail / FAX
13	SFWMD	1/7/98	1/7/98	S88, 1993 stage	stage	dbhydro	e-mail
14	government	1/7/98	1/7/98	BCNP% period of record	stage	dbhydro	ftp remo
15	government	1/7/98	1/7/98	BCWQ period of record all test numbers from remo	water quality	wqdorax	ftp remo
16	private	1/7/98	1/8/98	Project CAMB and EVPA, sites ACME1DS, G94D, L40-1, L40-2 and LOX4	water quality	sql script	printout
17	government	1/8/98	1/8/98	1997 S20G_H and S20G_T, structure book info, hourly and breakpoint data	stage	extract / rvg / rweb	ftp remo
18	consulting/engineering	1/8/98	1/8/98	DRE 129, 1 day 10 yrs, 3 day 25 yrs, and 3 day 100 yrs, tech pub	rain	tech pub	FAX
19	university	1/8/98	1/8/98	info list of water sites and test	water quality	sql script	e-mail
20	government	1/8/98	1/8/98	water quality sample with qc view, include samples D0 and D9, project BCWQ	water quality	sql script	ftp remo
21	consulting/engineering	1/9/98	1/9/98	Ca CORAL township 53/54 and range 40, 1980-present, format 2	rain	dbhydro	FAX
22	SFWMD	1/9/98	1/9/98	all hydro sites SFWMD info list, detail 2	all hydro types	dbhydro	printout
23	government	1/8/98	1/8/98	DRE 129, tech pub, township 4-44 and range 39-42, 1997	rain	tech pub / dbhydro	printout
24	consulting/engineering	1/9/98	1/9/98	info list rain sites, 1965-present, township 22-25 and range 28-30	rain	dbhydro	e-mail
25	government	1/5/98	1/9/98	ENP, Florida Bay real time data, salinity, wind, evap, etc. period of record	all water quality / hydro	dbhydro	ftp remo
26	SFWMD	1/12/98	1/12/98	S8_H, archive and daily mean when stage is above 11 feet	stage	extract / dbhydro	ftp network
27	consulting/engineering	1/12/98	1/12/98	Township 53-54, range 42, high and low S27 stage, structure book info S27	stage	rweb / dbhydro	FAX
28	consulting/engineering	1/12/98	1/12/98	KISS_FS2_R, KISS_2_R, KISS_FS_R, period of record, format 2	rain	dbhydro	e-mail
29	government	1/12/98	1/12/98	WMD, Florida Bay real time data, salinity, wind, evap, etc. period of record	all water quality / hydro	extract	ftp remo
30	government	1/5/98	1/12/98	Lat 254000-262000/ Lon 795000-803000 HOWI well sites, P.O.R	well	sql script	e-mail
31	government	1/8/98	1/12/98	BCWQ water quality sample_with_qc_view, period of record	water quality	sql script	ftp remo
32	government	1/12/98	1/13/98	1-8C, 1-9, 1-7, 1-9T daily mean 1997 stage	stage	dbhydro	e-mail
33	SFWMD	1/13/98	1/13/98	dbkey 06898, S9T, POR, hydro info list	all hydro types	dbhydro	e-mail
34	consulting/engineering	1/13/98	1/13/98	POR TAFT_R, POINCI_R, OKLAN AP_R, tech pub DRE129	rain / tech pub	tech pub / dbhydro	printout / e-mail
35	government	1/13/98	1/14/98	township 47-49, range 41-42, rain format 2, max, min, mean	rain	dbhydro	FAX
36	SFWMD	1/14/98	1/14/98	BMP water quality C139 Basin. L9 start dates, DCVP_WELCOME & DBHYDRO	stage	dcvp / dbhydro	e-mail
37	university	1/14/98	1/14/98	Lat 251000-254000/ Lon 800000-802500 , salinity (test #98) 1995	water quality	sql script	ftp remo
38	consulting/engineering	1/14/98	1/14/98	township 30-31, range 28-30, stage and well sites	stage / well	dbhydro	FAX
39	SFWMD	1/14/98	1/14/98	1979 - present max/min S133 4 dbkeys, structure book info	stage / tech pub	rweb / dbhydro	e-mail
40	farmer	1/15/98	1/16/98	historical water temp (H2OT) 4 sites >= 262000	water temp	dbhydro	printout
41	consulting/engineering	1/15/98	1/15/98	1983-1987 S59 stage St. Cloud, structure book info	stage	rweb / dbhydro	e-mail
42	government	1/16/98	1/16/98	G203D (dbkey 13157), NP-205 Dec 15 - present	stage	dbhydro	FAX
43	farmer	1/16/98	1/16/98	Township 44, range 41/42 1997 rain, LWD area	rain	dbhydro	printout
44	consulting/engineering	1/20/98	1/20/98	S48 1997, dbkey 15734	flow	dbhydro	FAX
45	SFWMD	1/20/98	1/20/98	ENR105KR, 19971230 sample IVG	radiation	rvg	e-mail
46	consulting/engineering	1/20/98	1/20/98	Township 53/54, range 41/42, info list well sites, 1997 data	well	dbhydro	FAX
47	consulting/engineering	1/20/98	1/20/98	Brnward and Dade annual rainfall, 1997	rain	tech pub	phone
48	university	1/20/98	1/21/98	Lat 251000-254000/ Lon 800000-802500 , salinity (test #98) 1995	water quality	sql script	ftp remo
49	university	1/20/98	1/21/98	hydrograph data 1998, S22, S123, S21,S21A,S20G,S20F,S197 INST flow	flow / stage / gate op	hydrograph / dbhydro	ftp remo
50	SFWMD	1/22/98	1/22/98	S10CTAIL, S10A, C, D, E 1997 TPO4 water quality	water quality	sql script	diskette-1
51	university	1/22/98	1/22/98	S33 structure info, structure books	tech pub	rweb	FAX
52	government	1/21/98	1/22/98	instantaneous flow 19961001 to 19971001, S177 and USSO	flow	hydrograph / dbhydro	ftp remo
53	SFWMD	1/22/98	1/23/98	Lat 262000/ 264000 lon 802500-803000 , 1992-present, site locations & data	water quality	sql script	printout
54	government	1/20/98	1/23/98	Township 41/42 range 37/38, Dec. 14 1998 to Jan 5 1998, WPBC, S5A, S352	flow / stage / tech pub	web/rvg/extract/dbhydro	printout
55	university	1/23/98	1/23/98	Lat 253800-254700 / Lon 802800-803800 , 1998-1997, rain data	rain	dbhydro	ftp remo
56	government	1/26/98	1/26/98	S352-TW, S5A-H, S5AY, breakpoint data	stage	extract	printout
57	government	1/8/98	1/26/98	all hydro sites in Palm Beach County	all hydro types	dbhydro	printout
58	government	1/23/98	1/26/98	all water quality in Flab project, info list of WQ location and descriptions	water quality	sql script	ftp remo
59	university	1/28/98	1/28/98	Lat 280000-290000 / Lon 810000-820000 , water quality info list	water quality	sql script	e-mail
60	government	1/28/98	1/28/98	Lat 255500-262100 / Lon 800000-803300 , hydro info list	hydro	sql script / dbhydro	printout
61	SFWMD	1/27/98	1/28/98	S10CTAIL, S10A, D, E, F 1996 TPO4 water quality	water quality	sql script	diskette-1
62	university	1/28/98	1/28/98	S197, G620 (ENP), Loop 1, Loop 2 (BCNP), 1985-present	water quality	sql script	ftp remo
63	university	1/28/98	1/28/98	S197, G620 (ENP), Loop 1, Loop 2 (BCNP), 1985-present, Shark River Slough	stage	dbhydro	ftp remo
64	consulting/engineering	1/28/98	1/28/98	G620, 1994-present, stage	stage	dbhydro	FAX
65	law firm	1/29/98	1/29/98	S12A-F, S331, S332, S333, S334, S340A-B, S344, G3273, 1992-present	flow / stage	rweb / dbhydro	printout / diskette-1
66	university	1/29/98	1/29/98	BCWQA9, BCWQA10, BCWQA11, 1985-present	water quality	sql script	ftp remo
67	SFWMD	1/29/98	1/28/98	G25% / EWR%, T44, R38, all stage data ENR, 8/1/96-8/31/97	stage	dbhydro	e-mail
68	consulting/engineering	1/29/98	1/29/98	Lat 263800-263900/ Lon 803422-803522 , 1998-present, TP04 water quality	water quality	sql script	ftp remo
69	SFWMD	1/28/98	1/30/98	hydrograph data G211	flow / stage / gate op	hydrograph	e-mail
70	SFWMD	1/30/98	1/30/98	salinity data provisional, HR1+SC1, HR1+SC2, S80 Flow 1989	flow / salinity	extract / dbhydro	e-mail
71	government	1/30/98	1/30/98	hydro and water quality info list on remo demo	water quality / hydro	sql script / dbhydro	ftp remo
72	SFWMD	1/15/98	1/16/98	Rainfall B/P Data Opelatka Area	rain	dbhydro	printout
73	agriculture	1/15/98	1/16/98	Rainfall Information	rain	dbhydro	FAX
74	consulting/engineering	1/13/98	1/10/98	Stage Selected Wells & Stations;Quad Map	stage	dbhydro	diskette
75	Private	1/6/98	1/8/98	Yearly Rainfall Orlando Area	rain	dbhydro	FAX
76	government	1/7/98	1/21/98	Stage Lake Osborne Area & S2	stage	dbhydro	diskette
77	SFWMD	1/21/98	1/22/98	Discharge S33	discharge	dbhydro	FAX
78	consulting / engineering	1/16/98	1/28/98	Stage s124,s125,s36 P/R	stage	dbhydro	printout
79	government	2/2/98	2/2/98	WCA2 / 1% ste. 14, E1, E4, U1, U3, format 6	stage / well	dbhydro	diskette-1
80	consulting/engineering	2/2/98	2/2/98	hydrograph data, Nov 1984-Sept 1995, gate, inst flow, inst head tailwater	flow / stage / gate op	hydrograph	printout / diskette-1
81	university	2/2/98	2/3/98	Lat 280000-290000 / Lon 810000-820000, 13-test numbers	water quality	sql script	ftp remo
82	government	2/3/98	2/3/98	hydrograph data S174, S175, S176, S177, S18C, S197, 1997 data	flow / stage / gate op	hydrograph	ftp remo
83	society	2/3/98	2/3/98	JBTS, MDTS, CSTS, MKTS, 1985-present, format 6	rain/stage/econd/h2ot	dbhydro	e mail
84	SFWMD	2/4/98	2/4/98	POR project LWC, select site, all test numbers	water quality	wqdorax	ftp network
85	university	2/3/98	2/4/98	19961001-19961101 rain site WCA2A basin, info list on site hydro WCA2A, format 6	rain	dbhydro	e-mail

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
86	university	2/4/98	2/4/98	info list California/Lake Eustis, 71 rain site hourly data POR, CONCH 1-CONSE 13	rain	ivy	e mail
87	government	2/5/98	2/5/98	1997-11 Quinterosite area, archive provisional data for 1997-001 19-21/31	rain	dbhydro	ftp remo
88	student	2/6/98	2/6/98	501-H Stage 1, WMD 1985 1988	stage	dbhydro	printout
89	government	2/6/98	2/6/98	hydro info list	all hydro types	dbhydro	printout / ftp remo
90	consulting/engineering	2/6/98	2/6/98	township 45/46, ranges 39/38/37/36, max, min, mean monthly, format 2	stage / well	dbhydro	printout / diskette-1
91	government	2/9/98	2/10/98	tech pub DRL 216, 320, hydrograph, hydro manual, WRI 344	flow / tech pub	tech pub	printout
92	SFWMD	2/10/98	2/10/98	S10A, C, D, F 1996-1997, 3A 3 POR	stage	dbhydro	diskette-1
93	SFWMD	2/10/98	2/10/98	D minute data, 18/20/01-10/07/0930, S13 R, R#R, MRF113	rain	ivy	e mail
94	government	2/10/98	2/10/98	G58 93, 520 1, 15 21, 21A, 22 25, 25B, 25 27, 28, 29, 123, 197, instantaneous	flow / stage / gate op	hydrograph	ftp remo
95	SFWMD	2/10/98	2/10/98	RAIN, RADP, RA01, HUM1, AIR1, FNR 308, ENR 105, Aug 1994 - Jan 1998	radiation / humidity / air temp	dbhydro	diskette-1
96	consulting/engineering	2/10/98	2/10/98	3190 structure info, max, min, mean, POR, format 2	stage	dbhydro	FAX
97	farmer	2/10/98	2/10/98	Lat 261500 260000 / Lon 805200-805500, WQ data 1/1-Oct in area of S1A6	water quality	sql script	FAX
98	SFWMD	2/11/98	2/11/98	flow 1990-present, G211, S174, S175, S331, S335	flow	dbhydro	printout
99	government	2/11/98	2/11/98	S21 flow POR, info list for Dade County	all hydro types	dbhydro	printout / ftp remo
100	school	2/11/98	2/11/98	WQ in area of S25, S26, S27, WQ sites MR01, MR02, MR03, 1996 present	water quality	sql script	printout / diskette-1
101	school	2/10/98	2/11/98	flow 1996-1997, S25, S26, S27, format 1 and 6	flow	dbhydro	printout / diskette-1
102	university	2/9/98	2/12/98	1 7, 1 5, 9A-17, 19 28-4 3A-4 20, 38 Sr, Shark 1, NP33, 34, G3810, find POR	rain / stage	dbhydro	diskette-1
103	government	2/12/98	2/12/98	1981-1990, S2B hourly data, S2B3-H 1984 1989, S2B3_H 1985 1990	stage	ivy	ftp remo
104	SFWMD	2/12/98	2/12/98	FNR 308 & ENR 105 (AT, NR, RH, RP, RT, VD, VS, WS, NR105 AT, NR), 8/94 1998	wind / humidity / air temp	extract	diskette-5
105	government	2/12/98	2/12/98	G1810 1, stage, POR	stage	dbhydro	e mail
106	consulting/engineering	2/12/98	2/12/98	stage discharge at S67 S37-A, B, S38, S39, S9A 12, WCA-2A, POR	flow / stage	dbhydro	diskette-1
107	student	2/12/98	2/12/98	WC Lake Toho, POR, OKI1, Lake Toho part of my WQ manual, BOI, to BOH	water quality	sql script	diskette-1
108	real estate	2/13/98	2/13/98	township 46/45, ranges 33/34, NR06/WF_R, 1997 present	rain	dbhydro	FAX
109	government	2/13/98	2/13/98	S140 1, 1990 data	stage	dbhydro	FAX
110	university	2/17/98	2/17/98	S332, S177 1947 present, format 2 and 6	rain	dbhydro	ftp remo
111	real estate	2/17/98	2/17/98	DEAVINE-R, MAXCLY R_R, 1997-present	rain	dbhydro	FAX
112	government	2/17/98	2/17/98	info list all hydro sites in Broward County	all hydro types	dbhydro	printout
113	private	2/17/98	2/17/98	May 1998 present, Miami area, dbkey 16615, 16607, ranges 41/41/42, township 53/54	rain	dbhydro	e mail
114	SFWMD	2/18/98	2/18/98	H207, August 1994 - January 1998	hint	dbhydro	diskette-1
115	government	2/18/98	2/18/98	near and tailwater, info, 1993-1997	flow / stage	dbhydro	e mail
116	consulting/engineering	2/18/98	2/18/98	WHE 348, DRE 129, 226, 296	tech pub	tech pub	printout
117	government	2/18/98	2/18/98	S173 structure info, check dbkey 15018, will be deleted	flow	dbhydro	e mail
118	university	2/19/98	2/19/98	S77, S78 daily, format 6	rain	dbhydro	ftp remo
119	government	2/19/98	2/19/98	Rosemarie update S1 G1 1, daily	stage	dbhydro	e-mail
120	government	2/19/98	2/19/98	WHE 328, DRE 216 hydrograph, flow list, tech pubs	tech pub	tech pub	printout
121	consulting/engineering	2/19/98	2/19/98	S44 R, S44 R WHE 348/05, wet season report Oct-Nov 1997, archive, hourly	rain / stage / tech pub	ivy	printout / diskette-1
122	government	2/19/98	2/19/98	S258, S25, stage POR	stage	dbhydro	ftp remo
123	consulting/engineering	2/20/98	2/20/98	S32, T46, range 43, C11, canal, 34-H, -7, S4C structure info, max, min, mean & dates	stage	dbhydro	FAX
124	government	2/20/98	2/20/98	S2K3, hydrograph data, hourly flow, 1988 present	flow / stage / gate op	hydrograph	ftp remo
125	government	2/20/98	2/20/98	Miami 1?, daily, cant file and data 1997	stage	dbhydro	ftp remo
126	consulting/engineering	2/20/98	2/23/98	township 40, range 40, section 17, June 1991 to June 1997	rain	dbhydro	e-mail
127	student	2/20/98	2/23/98	tech pub 100, POR	tech pub	tech pub	printout
128	university	2/23/98	2/23/98	H661 R, dbkey 16154, POR, format 6	rain	dbhydro	ftp remo
129	university	2/23/98	2/23/98	well sites only, lat 251500/260000, lon 805000/805300, 10 test types, sort out well site	water quality	sql script	ftp remo
130	private	2/23/98	2/23/98	Alligator Lake, S80 current level and info list	stage	dbhydro	e mail
131	government	2/23/98	2/23/98	WRE 328, tech pub 100 R and WRE	tech pub	tech pub	printout
132	university	2/24/98	2/24/98	township 42, range 33	rain	dbhydro	ftp remo
133	government	2/23/98	2/24/98	structure info S331 and S332	operations	hydrograph	ftp remo
134	government	2/25/98	2/25/98	WCA2B, L1, L4, L5, F4, U3, P3, 7/1/97 present	stage / well	dbhydro	diskette-1
135	government	2/23/98	2/25/98	WQ sites, lat 251000/254000, lon 800713/803730	water quality	sql script	ftp remo
136	university	2/25/98	2/26/98	WCA/A, 1990, 1993 1996	stage	dbhydro	ftp remo
137	SFWMD	2/25/98	2/25/98	hydro info list, sort by date	all hydro types	dbhydro	printout
138	government	2/26/98	2/25/98	FWP agency info list	all water quality / hydro	dbhydro	e-mail
139	SFWMD	2/27/98	2/27/98	S7A6 project WQ	water quality	sql script	e mail
140	consulting/engineering	2/27/98	2/27/98	S47, R3, R19, S-26, 27, 28, 29, 33, S37, 187, present, format 2	flow / stage	dbhydro	diskette-1
141	consulting/engineering	2/27/98	2/27/98	POR, S50	flow / stage	dbhydro	diskette-1
142	university	2/25/98	2/27/98	TP04, TK8 Lat 261000/263000 Lon 801705/803000, 1990, 1993 1996	water quality	sql script	ftp remo
143	consulting / engineering	2/4/98	2/5/98	Stage Info on S20	stage	dbhydro	FAX
144	private	2/6/98	2/6/98	info/specs S155/6/7	stage	dbhydro	printout
145	private	2/6/98	2/6/98	Rainfall Kiss/FS 2/6/98	rain	dbhydro	FAX
146	consulting / engineering	2/6/98	2/6/98	Rainfall 2/28 1998	rain	dbhydro	FAX
147	government	2/11/98	2/17/98	Stage A20 91/98	stage	dbhydro	FAX
148	government	2/17/98	2/20/98	Stage and Max&Min selected Lakes	stage	dbhydro	printout
149	consulting / engineering	2/20/98	2/23/98	Rainfall Miami Beach Area	rain	dbhydro	FAX
150	consulting / engineering	2/23/98	2/24/98	Rainfall selected Areas	rain	dbhydro	FAX
151	retail	2/24/98	2/24/98	Rainfall Selected Area	rain	dbhydro	FAX
152	consulting / engineering	2/27/98	2/27/98	Info Rainfall in Web	rain	dbhydro	e mail
153	SFWMD	3/3/98	3/3/98	Drill heatwater POR	stage	dbhydro	diskette-1
154	consulting/engineering	3/3/98	3/4/98	S80_R, 5 dbkey (in dvb, 16618, 06237, 07/09, 16416)	rain	dbhydro	e-mail
155	government	3/3/98	3/4/98	23 water quality sites, Dade County, POR	water quality	sql script	ftp remo
156	SFWMD	3/4/98	3/4/98	1415, 1637 , 8 4/1, FRE1 , 1982 present	flow	dbhydro	diskette-1
157	SFWMD	3/5/98	3/5/98	S21 1, sample type TM and O, auto sampler 1 OR	water quality	sql script	e mail
158	government	3/5/98	3/5/98	G210A, 1997	stage	dbhydro	ftp remo
159	consulting/engineering	3/6/98	3/6/98	Map of Dade County #12	GIS map	web	FAX
160	government	3/6/98	3/6/98	S174 S175, S176 S177 S180, S197	flow / stage / operations	hydrograph	ftp remo
161	government	3/6/98	3/6/98	X1, X2, POR	water quality	sql script	ftp remo
162	SFWMD	3/6/98	3/6/98	LNR 017 sample type 24 POR	water quality	sql script	e mail
163	SFWMD	3/7/98	3/7/98	FNR 100 30 min, 8/1/97 4/22/97	rain	ivy	e-mail
164	university	3/6/98	3/7/98	DMD 10/8/96, WCA2A, 37 area, DOR 3 tech pub	rain / tech pub	tech pub / dbhydro	printout
165	university	3/7/98	3/7/98	stage 317 1b 16 S6_R FRL1 1/2/93, Flow S10A, C D 1, 1986 1997	rain / flow / stage	dbhydro	e mail
166	university	3/8/98	3/8/98	S315 all archive data, WS RT RP, RS VS, S AT, RH VB, R, 7/1/90-1/23/97	rain / weather	extract	ftp remo
167	government	3/8/98	3/8/98	Lat 271000 250000 / Lon 810000-813000, info list	water quality	sql script	e-mail
168	consulting/engineering	3/9/98	3/9/98	S4A 1-06B, S31 S32, S3/A, 1993-present, format 2	flow / stage	dbhydro	e mail
169	consulting/engineering	3/9/98	3/9/98	Township 57/58 Ranges 40, POR	flow / stage	dbhydro	ftp remo
170	government	3/9/98	3/9/98	all test types, provide column heading and WQ codes, 1990 present	water quality	sql script	e mail
171	university	3/10/98	3/11/98	S10F flow 1995 data, 06_2, 0-R PREL data set 3r_h, dbkey 06224 1995 & 1997	rain / flow	dbhydro	e-mail

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
172	consulting/engineering	3/11/98	3/11/98	S59_T, S59 WEIR, 1990-present	stage	dbhydro	e-mail
173	government	3/11/98	3/11/98	Lat 251500-270000 / Lon 800000-802000, St. Lucie County, 1/1/98-present	water quality	sql script	ftp remo
174	university	3/11/98	3/11/98	dbkey 16051 WCA2E1, 16047 WCA 2E4, POR	stage	dbhydro	e-mail
175	SFWMD	3/11/98	3/11/98	info list, # info records, CA3A (291), CA3B (100)	all hydro types	dbhydro	ftp remo
176	consulting/engineering	3/11/98	3/11/98	atlas of E. Dade County surface water management basin, tech pub DRE 238	stage	tech pub	printout
177	SFWMD	3/11/98	3/11/98	hydro info list	all hydro types	tech pub / dbhydro	printout
178	university	3/11/98	3/12/98	S332_P, 5/1/97-12/31/97, breakpoint	flow / stage / pump	hydrograph	ftp remo
179	consulting/engineering	3/12/98	3/12/98	S122, S148, S20A, S20F, S20G, S21, S21A, tech pub - structure book info.	flow	iweb	e-mail
180	consulting/engineering	3/13/98	3/13/98	TP25, TS518, S-7, 1993-1997	water quality	sql script	e-mail / ftp remo
181	consulting/engineering	3/13/98	3/13/98	S7, PREF, structure book info., 1993-1997	flow	iweb / dbhydro	ftp remo
182	consulting/engineering	3/16/98	3/16/98	3 cmd files - eaa_q1.cmd, eaa_r1.cmd, enp_qs.cmd	rain / flow / stage	dbhydro	ftp remo
183	consulting/engineering	3/16/98	3/16/98	eaa_up.sql, enp_tp.sql	water quality	sql script	ftp remo
184	consulting/engineering	3/11/98	3/16/98	PREF data, enp flow sql, rat stg sql, eaa rain sql, eaa flow. Sql	rain/stage/flow/water quality	sql script	ftp remo
185	consulting/engineering	3/11/98	3/16/98	PREF data, eastp sql, enptp.sql, reftp.sql	water quality	sql script	ftp remo
186	university	3/16/98	3/16/98	air temp. 1870-present, max, min, mean, high, low, format 2	air temp	dbhydro	ftp remo
187	SFWMD	3/16/98	3/16/98	S5A_P, S5AS-5, 19980118-19980122	flow / stage / operations	hydrograph	ftp network
188	consulting/engineering	3/16/98	3/16/98	Miami AP, Homes, FS, 1998-present	rain	dbhydro	e-mail
189	university	3/16/98	3/16/98	Head: S58, 77, 183, 30B; Tail: S2, 3, 4, 127, 133, Indian PM, Lokee.M_G	stage / well	dbhydro	ftp remo
190	government	3/16/98	3/17/98	S10A, C, D, E, POR data	flow / stage	dbhydro	diskette-1
191	government	3/16/98	3/17/98	P01A/B to P148, 1996-present; S10A, C, D, E, 1985-present	water quality	sql script	e-mail
192	government	3/17/98	3/18/98	Lat 274000-283500 / Lon 805000-814000, info list of well sites, 1990-present	water quality	sql script	e-mail
193	university	3/18/98	3/18/98	GIS Map WCA3A, #10	GIS map	iweb	FAX
194	consulting/engineering	3/19/98	3/19/98	GIS Map 5 and 8, location of Ft. Myers and Bonita Spring rain sites	rain / GIS map	tech pub / dbhydro	FAX
195	university	3/19/98	3/19/98	dbkey 05106, 07833, 05192, 07834, 06818, 05112, POR, format 2 & 8	stage	dbhydro	ftp remo
196	government	3/19/98	3/19/98	S331 control samples, WQ, POR	water quality	sql script	ftp remo
197	government	3/19/98	3/20/98	12/1/97-2/28/98	rain	extract	ftp remo
198	consulting/engineering	3/20/98	3/20/98	township 40/41, range 42/43, 19971201-present	rain	dbhydro	FAX
199	consulting/engineering	3/20/98	3/20/98	WQ info list with projects	water quality	sql script	printout
200	consulting/engineering	3/20/98	3/20/98	WQ info list with projects	water quality	sql script	printout
201	SFWMD	3/20/98	3/20/98	Lake Okeechobee stage	stage	dbhydro	ftp network
202	consulting/engineering	3/20/98	3/20/98	dbkey 05672 S44_H, 05673 S44_T, max, min, date, daily mean	stage	dbhydro	FAX
203	government	3/20/98	3/20/98	rain sites, SFWMD, 87-present, '95-'98, '88-'94, POR	rain	extract	ftp remo
204	government	3/16/98	3/23/98	E1, 4; F1, 4; U1, 3; S10C; MP1, 2, 3; MOP1, 2, 3; ENR002, 004, 011, etc., 9/1/97-present	water quality	sql script	e-mail
205	government	3/23/98	3/23/98	S46 rain, 1988-present	rain	dbhydro	ftp remo
206	SFWMD	3/20/98	3/20/98	Project CAMB, WQ data, POR	water quality	wqdorax / sql script	ftp network
207	consulting/engineering	3/23/98	3/23/98	S45 stage/flow, 1987-present	flow / stage	dbhydro	FAX
208	government	3/20/98	3/24/98	Archive MLF, rain sites, 1997 data	rain	extract	ftp remo
209	government	3/25/98	3/25/98	S6_R, rain, June 1997-present	rain	dbhydro	e-mail
210	SFWMD	3/25/98	3/25/98	S2_H, hourly max, POR	stage	ivg	e-mail
211	SFWMD	3/25/98	3/25/98	WQ info list by project and new list by station	water quality	sql script	printout
212	government	3/25/98	3/25/98	S176, October 1996, November 1996	flow / stage / gate op	hydrograph	e-mail
213	SFWMD	3/24/98	3/27/98	S2_H POR hourly max; S2_T, POR	stage	ivg	e-mail
214	university	3/27/98	3/27/98	LKISS7 (18080), 1997	stage	dbhydro	e-mail / ftp remo
215	SFWMD	3/27/98	3/27/98	Project ENR	water quality	wqdorax	ftp network
216	SFWMD	3/30/98	3/30/98	S5A, S6, S7, S8, S9, TPO4, rain ,w et	water quality	sql script	e-mail
217	private	3/30/98	3/30/98	Palm Beach / Broward / Dade, evap site data, 1997-present	evap	dbhydro	e-mail / ftp remo
218	consulting/engineering	3/27/98	3/30/98	S332, S333, PREF data, 1980-present	flow	dbhydro	diskette-1 / e-mail
219	consulting/engineering	3/30/98	3/30/98	Ng data S-2 S-8, S-5A, 1998	flow / stage / operations	ivg	ftp network
220	government	3/30/98	3/31/98	December 1, 1996-present, QC-9MB, < Lat 270000	water quality	sql script	ftp remo
221	SFWMD	3/31/98	3/31/98	Sulfide, project ENR, POR	water quality	wqdorax	ftp network
222	consulting/engineering	3/30/98	3/31/98	S338% rain	rain	dbhydro	ftp remo
223	SFWMD	3/31/98	3/31/98	L67AWET, S140WET, L6WET, ENPRCWET, ENRWET	water quality	sql script	e-mail
224	private	3/12/98	3/17/98	Rainfall City of Okeechobee Area	rain	dbhydro	FAX
225	consulting / engineering	3/5/98	3/17/98	Rainfall Okeechobee F/S	rain	dbhydro	FAX
226	consulting / engineering	3/3/98	3/10/98	Rainfall Sanibel Island	rain	dbhydro	FAX
227	government	3/12/98	3/12/98	P/R discharge G-88	discharge	dbhydro	printout
228	government	3/27/98	3/31/98	Total list Rainfall stations Indian & Osceola Co.	rain	dbhydro	FAX
229	government	4/1/98	4/1/98	WQ location info list	water quality	sql script	ftp remo
230	university	4/1/98	4/1/98	S99, monthly 1981-1995	rain	dbhydro	e-mail
231	consulting/engineering	3/30/98	4/1/98	3A_28, 3A_NE, land surface, P_33	stage	dbhydro	FAX
232	SFWMD	4/1/98	4/1/98	township 50, ranges 41/42, sec 24, dbkey 01845, 01843 POR	stage / well	dbhydro	printout
233	SFWMD	4/1/98	4/1/98	WQ info list project, project CAMB L40-1 and L40-2, 1989-present	water quality	wqdorax	ftp network
234	consulting/engineering	3/31/98	4/1/98	pumping op data, S332, S333 POR	flow / operations	extract / dbhydro	diskette-1
235	SFWMD	3/31/98	4/1/98	WQ project TTI, location of sites, POR	water quality	sql script	e-mail
236	SFWMD	4/2/98	4/2/98	S177, rain, monthly total, 1997 data	rain	dbhydro	ftp network
237	society	4/2/98	4/2/98	181S, 1985-present	stage	dbhydro	e-mail
238	government	4/2/98	4/3/98	S31, S32, S32A, S337, 4/1/97-5/30/97	flow / stage / operations	hydrograph / iweb	ftp remo
239	government	4/2/98	4/3/98	hydrograph, 1997-1998, 16 sites	flow	hydrograph	ftp remo
240	government	4/3/98	4/6/98	WCA2A, E4% - 11/1/97-present, F4% - 7/1/97-present	stage / well	dbhydro	diskette-1
241	government	4/6/98	4/6/98	FAKA*H, FAKA*T, breakpoint, 8/1/97-present	stage	extract	ftp remo
242	government	4/6/98	4/6/98	sample with QC view, 5/96-12/2/96	water quality	sql script	ftp remo
243	government	4/6/98	4/7/98	4 cmd files, above, enp_flo.cmd, _fw.cmd, _rai.cmd, _stg.cmd, _lw.cmd	rain / flow / stage	dbhydro	ftp remo
244	government	4/8/98	4/7/98	S75A, Q93, CA CORAL, POR	stage	dbhydro	ftp remo
245	consulting/engineering	4/8/98	4/7/98	WQ S76, S78, 1985-present	water quality	sql script	e-mail
246	consulting/engineering	4/7/98	4/7/98	S342_H, 1995-present	stage	dbhydro	printout / diskette-1
247	government	4/7/98	4/7/98	hydro info list., all sites	all hydro types	dbhydro	ftp remo
248	SFWMD	4/7/98	4/7/98	LOX8 (or 1-7), CA35, P33, TS6, P37, E, stage sites near WQ sites, 1985-present	stage	dbhydro	e-mail
249	government	4/8/98	4/8/98	FAKA*H 19871211, FAKA*T 19980218, hourly data and archive, 19970801-present	stage	ivg / extract	ftp remo
250	consulting/engineering	4/8/98	4/8/98	S45_H, structure book info, 1988-1989	stage	iweb / dbhydro	e-mail
251	government	4/7/98	4/7/98	6 dbkeys	stage	dbhydro	ftp remo
252	government	4/7/98	4/8/98	flag data all, SAMPF_ with QC view, 1985-19980601	water quality	sql script	ftp remo
253	government	4/9/98	4/9/98	WCA2 E1, F1, U1, U3, 1988 data	stage / well	dbhydro	ftp remo
254	government	4/8/98	4/9/98	S236 WQ POR	water quality	dbhydro	diskette-1
255	SFWMD	4/9/98	4/9/98	H20T, KREA Pool A, B, C, D, E, POR and location	water quality	sql script	printout
256	government	4/9/98	4/9/98	Slyna rain and well, POR	rain / well	dbhydro	e mail
257	SFWMD	4/13/98	4/13/98	check to determine if data exists for USGS Id 02289600 (stg) 1994-present	stage / USGS derived	dbhydro	printout

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
258	university	4/2/98	4/2/98	S8-A, S68B, S65C, daily, 1976-present	rain	dbhydro	e-mail / ftp remo
259	consulting/engineering	4/20/98	4/20/98	S44 structure book info, historical monthly stage	stage	web / dbhydro	e-mail / FAX
260	SFWMD	4/20/98	4/20/98	dbkey 06187, Stuart in NOAA Looks, December 1995, reference center	rain	dbhydro	printout
261	government	4/20/98	4/20/98	S352, 1995, max daily, avg, 1/2, 3/4, Carolyn Price (SOS), structure book info location	stage	dbhydro	ftp network
262	government	4/20/98	4/20/98	hydro info list	all hydro types	dbhydro	printout
263	university	4/20/98	4/20/98	historical hydrograph data (S90_P, POR	flow / stage / operations	hydrograph	ftp remo
264	consulting/engineering	4/20/98	4/20/98	S190, June 1997-present, max, min, mean, format 2, sample operation data, S190-1 -2	stage / operations	extract / dbhydro	FAX
265	consulting/engineering	4/20/98	4/20/98	L-10, max, min, POR, dbkeys 00711 and 12010, area tax map	stage	dbhydro	FAX
266	consulting/engineering	4/20/98	4/21/98	Lat 270000-271500 / Lon 800000-803000, q WQ, St. Lucie County	water quality	sql script	diskette 1
267	SFWMD	4/21/98	4/21/98	WQ project 4NRG, C001, H201 (02), 1994-present	water quality	sql script	ftp remo
268	SFWMD	4/21/98	4/21/98	KR%, 1997-present	stage / well	dbhydro	ftp network
269	consulting/engineering	4/20/98	4/21/98	Loxahatchee River Dist., SCIOND, H201, county, project WQM	scond / h2o	sql script / dbhydro	printout / ftp remo
270	university	4/15/98	4/21/98	Lat 271200-272500 / Lon 800000-801000, Indian River Lagoon, POR	stage	dbhydro	ftp remo
271	university	4/20/98	4/21/98	Lat 274500, AN1 & HUM1, air temp, humidity, 1996-present	air temp / humidity	dbhydro	ftp remo
272	consulting/engineering	4/20/98	4/20/98	L13BRN, 1997 and 1998 stage data	stage	dbhydro	FAX
273	SFWMD	4/22/98	4/22/98	S167 flow data, dbkey 15638, use UVM, dbkey 11561, 1n644, 4/7/98	all hydro types	dbhydro	printout
274	consulting/engineering	4/22/98	4/22/98	G155, S80, 7/89, Lat 261400-263100 / Lon 805200-805300,	stage	web / dbhydro	ftp remo
275	university	4/22/98	4/22/98	S650, humidity H207, air temp	H207 / air temp	dbhydro	ftp remo
276	government	4/21/98	4/23/98	WQ info list	water quality	sql script	ftp remo
277	consulting/engineering	4/23/98	4/23/98	R39, T44, S9A, S9, G254_T, GIS map #7, 1997-present	stage / tech pub / GIS map	web / dbhydro	e-mail / FAX
278	SFWMD	4/24/98	4/24/98	FNR 105, 501R, Lockpoint	rain	extract	diskette-1
279	government	4/23/98	4/24/98	S08_H (06860), 3A_12_R (07639/16010), 3A_29 (07614), 3A_4 (07633)	stage	dbhydro	diskette 1
280	consulting/engineering	4/24/98	4/24/98	project SL, HR1, SL01-SL10, 1988-present	water quality	wqdatax	diskette 2
281	SFWMD	4/27/98	4/27/98	hydro info list	all hydro types	dbhydro	printout
282	law firm	4/24/98	4/27/98	Kissimmee Basin, 1988-present	stage	dbhydro	printout
283	university	4/27/98	4/27/98	S30-R, hourly data, 1990-present, S38_R (OMD)	rain	ivg	ftp remo
284	consulting/engineering	4/27/98	4/27/98	S30_T, min, daily mean, structure book info, 1987-present	stage	ivg / dbhydro	printout
285	SFWMD	4/28/98	4/28/98	K03-13, C41%, 1997-present	rain	dbhydro	e-mail
286	consulting/engineering	4/27/98	4/27/98	all rain sites, Lat 261400-264500 / Lon 813000-820000, only 1 HOUR realtime data	rain	extract	e-mail / ftp remo
287	SFWMD	4/28/98	4/28/98	G252, ENR C12, LNR 304, LNR 003, ENR 201, ENR 004, ENR C11, 8/18/97-present	stage	dbhydro	e-mail
288	government	4/28/98	4/28/98	S33 and C56, February and March 1997	rain	dbhydro	e-mail
289	SFWMD	4/28/98	4/28/98	rain info list for Palm Beach County	rain	dbhydro	e-mail
290	consulting/engineering	4/29/98	4/29/98	1-8T, 1-7 1-2, 1997 data	stage	dbhydro	e-mail
291	SFWMD	4/29/98	4/29/98	S331, 1/3, C111, POR	water quality	sql script	e-mail
292	SFWMD	4/28/98	4/29/98	info list, Lat 261900-263100 / Lon 805200-820400, S1A/C, 2/10/93 - 4/98	all hydro types	dbhydro	e-mail
293	university	4/29/98	4/29/98	S65, S65A, S65B, S65C, S65D, August 1988-present	rain	dbhydro	ftp remo
294	SFWMD	4/29/98	4/29/98	FIX 1 WWR, projects - CAMB, HO_Y_X, LNR8, April 1997-present	water quality	sql script	ftp network
295	consulting/engineering	4/28/98	4/29/98	FLAB01-1 LAB30, WMC Florida Bay data, FNP info list of data available	water quality	dbhydro	ftp remo
296	government	4/29/98	4/30/98	Dade County, Lat 251700-260000 / Lon 800700-803000, monthly data, format 2	stage	dbhydro	ftp remo
297	university	4/30/98	4/30/98	info list, Lat 261400-263100 / Lon 804000-813000	air temp / wind / rain	dbhydro	ftp remo
298	consulting/engineering	4/30/98	4/30/98	C-13 Canal, R40/R42, site 308_11, _T, structure book info	stage	web / dbhydro	FAX
299	government	4/30/98	4/30/98	T47, R47/R41, (daily sum), 1997-present, info list W. Palm Beach Co.	rain	dbhydro	diskette-1
300	private	4/30/98	4/30/98	S49, S67, S80, Lat 270500-272500 / Lon 800000-802400, 1975-present, format 2	flow	web / dbhydro	ftp remo
301	SFWMD	4/30/98	4/30/98	KR4% and KR3%, POR	stage / well	dbhydro	e-mail
302	government	4/7/98	4/7/98	Information Depth/width selected canal	info	dbhydro	phone
303	consulting / engineering	4/7/98	4/7/98	Information and Specs S37B	info	dbhydro	FAX
304	electrical contractors	4/7/98	4/7/98	Location Specs S-156	info	dbhydro	phone
305	condo	4/6/98	4/7/98	Rainfall C4 / Area	rain	dbhydro	FAX
306	consulting / engineering	4/7/98	4/8/98	Rainfall Naples Area	rain	dbhydro	printout
307	consulting/engineering	5/1/98	5/1/98	WQ near (4NR), Lat 261900-263100 / Lon 805200-805300	water quality	sql script	ftp remo
308	government	5/1/98	5/4/98	GIS maps 10 and 12, GIS coverage forward to GIS request line	GIS map	web / dbhydro	FAX
309	government	5/4/98	5/4/98	LANHUCK, S65A_R, S65B_R, HCK BSC_R, HCK, 4 dbkeys	rain	dbhydro	ftp remo
310	consulting/engineering	5/4/98	5/4/98	gages 63, 64, 65, WCA 3A, POR, monthly, 1992-present	stage	dbhydro	ftp remo
311	consulting/engineering	5/4/98	5/4/98	Lee County info list, flow site	flow	dbhydro	e-mail
312	university	5/1/98	5/4/98	2/3 dbkeys, 1993-present	air temp / wind / rain	dbhydro	ftp remo
313	SFWMD	4/29/98	5/5/98	Updates to several flow and stage dbkey's for use with Planning model SFRRM	flow / stage	dbhydro	printout / e-mail
314	university	5/5/98	5/5/98	all hydro stage sets, CA3A, 3A_2, 3A_4, 3A_5, 3A_9, 3A_12, 3A_28	stage	dbhydro	ftp remo
315	university	5/5/98	5/5/98	S33 flow, S13 / S36 rain, S33, S17A, 10/78 rain sites, hourly	rain / flow	ivg	e-mail
316	government	5/5/98	5/5/98	Lat 80/800 / 804500 / Lon 252700-265000, monthly, 1987-present, format 2	stage	dbhydro	ftp remo
317	consulting/engineering	5/5/98	5/5/98	MARKLHU	stage	dbhydro	phone
318	private	5/1/98	5/5/98	Lat 264000-271500 / Lon 000000-811000, high / low temp, March 1988	air temp	dbhydro	e-mail
319	government	5/6/98	5/7/98	S11C% 3/18/97-present, WCA2 L1, L4, L1, L4, U1, U3 2/3/98-present	stage / well	dbhydro	e-mail
320	SFWMD	5/6/98	5/7/98	dbkeys 08861, 08867, G6565, G6566, February 1, 1988-present	stage	dbhydro	e-mail
321	private	5/6/98	5/6/98	S80, 1990-1997, 1998%, 1997 daily mean	flow	dbhydro	e-mail
322	SFWMD	5/8/98	5/8/98	WQ project KRGW, registered and unregistered sites, POR	water quality	sql script	e-mail
323	government	5/6/98	5/7/98	L-NR 201, 202, 203, 101, 103, 004, C03, 1995-present	stage	dbhydro	e-mail
324	consulting/engineering	5/6/98	5/7/98	S9, S13A, 1997-present	stage	dbhydro	printout
325	SFWMD	5/7/98	5/7/98	Project KRGN, POR, flag data, registered and unregistered	water quality	sql script	e-mail
326	consulting/engineering	5/7/98	5/7/98	Lat 263000-263200 / Lon 801730-803000, 1987-present, format 6	rain / flow / stage / wel	dbhydro	ftp remo
327	consulting/engineering	5/7/98	5/7/98	Lat 252700-253200 / Lon 801730-803000, 1987-present	water quality	sql script	ftp remo
328	consulting/engineering	5/8/98	5/7/98	map 10 GIS, info list, 1990-present	stage / well	web / dbhydro	FAX
329	government	5/7/98	5/8/98	Lat 264100-264515 / Lon 804200-805007, info list and data list	water quality	sql script	e-mail
330	government	5/7/98	5/8/98	H207 / H208%, 1994-present	scond / h2o	dbhydro	ftp remo
331	private	5/8/98	5/8/98	Lat 270000-272000/Lon 800000-803000, Lake Okeechobee, 1980-present, format 2	rain / stage	dbhydro	ftp remo
332	SFWMD	5/8/98	5/8/98	WCA2 F1, F1, F4, F4, U3, U1, POR	water quality	sql script	e-mail
333	SFWMD	5/8/98	5/8/98	S350, provisional	operations	extract	ftp network
334	government	5/7/98	5/8/98	S332_TW, S332 H, 1, 2, 15 minute, provisional	stage / operations	ivg / extract	e-mail
335	SFWMD	5/11/98	5/11/98	KR1%, KRA%, S65B, 4/27/97-present	flow / stage / well	dbhydro	e-mail
336	government	5/11/98	5/11/98	MP1, 2, LNR100, W3, W4, FN003, FNR401, LNR02, LNR105, 106, 12/31/97-present	stage / well	dbhydro	e-mail
337	consulting/engineering	5/11/98	5/11/98	project CAL, sites CAL_10 to CAL_16, POR	water quality	sql script	e-mail
338	SFWMD	5/12/98	5/11/98	Pilot1_... G255X2_C, S65B_T, KR1B%, G65B_R, 15-minute, 4/27/97-present	rain / stage	dbhydro	e-mail
339	consulting/engineering	5/12/98	5/12/98	MARK 101 dbkey 15061, GRAN-DE2 dbkey 3/1/95 and 12/95	stage	dbhydro	ftp remo
340	SFWMD	5/12/98	5/12/98	S31L 77, 127, 129, 131, 133, 135, 3-8, 351, 354, 32 pump, 33 pump, 34 pump	flow	dbhydro	e-mail
341	consulting/engineering	5/12/98	5/12/98	HIGMFS FS_R, 1998 data	rain	dbhydro	e-mail
342	SFWMD	5/13/98	5/13/98	project KRGN, POR, registered, unregistered, GIS, flag data	water quality	sql script	e-mail
343	SFWMD	5/13/98	5/13/98	Test number 132 147, WQ info list, of site, Conform, Streptococcus, whole-fatout	water quality	sql script	e-mail

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
344	consulting/engineering	5/14/98	5/14/98	G207, G208, S68, S70, S71, S72, S75, S83, 1986-present, structure book info	flow / stage	iweb / dbhydro	ftp remo
345	government	5/13/98	5/14/98	103 dbkey, POR, format 2	stage	dbhydro	ftp remo
346	SFWMD	5/13/98	5/15/98	Little River, all dbhydro data, S27	rain / flow / stage / scond	dbhydro	diskette-1
347	consulting/engineering	5/14/98	5/15/98	G207+P1, P-1, -1; G208 + P1, P-1, -1	operations	extract	ftp remo
348	government	5/15/98	5/15/98	S155_C, 1997-present	flow	dbhydro	ftp remo
349	government	5/18/98	5/18/98	S10C_H, 2 dbkeys DWR & DA, 19980701-present	stage	dbhydro	e-mail
350	SFWMD	5/18/98	5/18/98	23 dbkeys, S78_T and S80_T, need to be updated, format 7	flow	dbhydro	e-mail
351	consulting/engineering	5/18/98	5/18/98	HGS/S77/S235, S3/S354, S2/S351, TH_S77.DAT, TH_S2 and S3 .DAT, format 2	flow	dbhydro	ftp remo
352	consulting/engineering	5/19/98	5/19/98	a * cmd files, eaa_q1.cmd, eaa_q2 cmd, eaa_r1 cmd, eaa_r2 cmd	rain / flow	dbhydro	ftp remo
353	consulting/engineering	5/18/98	5/18/98	EAA_up SQL, TPO4	water quality	sql script	ftp remo
354	government	5/18/98	5/18/98	info list, township 30/31, range 29, Lake Wechyakapka, GIS map 2	stage / well / GIS map	dbhydro	FAX
355	government	5/19/98	5/19/98	S337 12898, 19970901-present, detail 2, format 8, TP_S337.DAT	flow	dbhydro	ftp remo
356	consulting/engineering	5/19/98	5/19/98	S5AX historical POR, max, min, mean, monthly, headwater and tailwater, S5AX_H, _T	stage	lvg	ftp remo
357	government	5/20/98	5/20/98	CA27, CA29, 1974 TPO4 data	water quality	sql script	ftp remo
358	government	5/20/98	5/20/98	NECHYA, dbkeys 00178, 00179, 1990-present	stage	dbhydro	FAX
359	consulting/engineering	5/20/98	5/20/98	test numbers 33 and 193, SO4, all SFWMD, new info list of site locations	water quality	sql script	ftp remo
360	government	5/20/98	5/20/98	township 50/51, ranges 37 to 42, rain sites with 30 years data, 6 dbkeys, format 2, POR	rain	dbhydro	ftp remo
361	government	5/21/98	5/21/98	use lat/lon to find well, RVR_RNCH_G, POR	well	dbhydro	e-mail
362	government	5/21/98	5/21/98	S180_1, S180_2, 19870901-19890520, 15-minute operations data	operations	dbhydro	ftp remo
363	government	5/21/98	5/21/98	S-2, 3, 4, 5A, 6, 7, 8, 9, 13, 127, 129, 131, 133, 135, 140, 236, 331, 332... format 2	flow	dbhydro	diskette-1
364	consulting/engineering	5/19/98	5/21/98	S44_S, 19851001 to 19851101; S44_1, _2, _H, _T	flow	hydrograph	e-mail
365	university	5/21/98	5/21/98	township 50, ranges 41/42, GS4 and S13, 1980-present, format 1	stage	dbhydro	ftp remo
366	government	5/21/98	5/21/98	CA27, CA29, 1984 all, WQ test types	water quality	sql script	ftp remo
367	government	5/21/98	5/21/98	all flow data S337, 19970901-present, format 7	flow	dbhydro	ftp remo
368	university	5/21/98	5/21/98	info on site that makeup site CA3AVG	stage	dbhydro	e-mail
369	consulting/engineering	5/21/98	5/21/98	S149 and S165, POR, head and tail, format 2	stage	iweb / dbhydro	ftp remo
370	consulting/engineering	5/21/98	5/21/98	dbkeys 15828, 15088, 15835, 15021, 15018, S308(3), S352 (HG S5X)... PREF, format 2	flow	dbhydro	ftp remo
371	university	5/22/98	5/22/98	structure book info, GS4 & S13, GIS map #10	GIS map / tech pub	iweb	FAX
372	SFWMD	5/22/98	5/24/98	S13, GS4, S13A, POR, format 1	rain / flow / stage	dbhydro	diskette-1
373	university	5/26/98	5/26/98	dbkeys 00462 & 00463, USGS THH, TLL, GS4_T, 1973-1992, max, min, mean, format 2	stage	dbhydro	ftp remo
374	government	5/26/98	5/26/98	3B_SE, dbkey 15834, format 6, detail 2, 19950101-present	stage	dbhydro	ftp remo
375	law firm	5/26/98	5/26/98	soil temp, PREF Dade County, only site Belle Glade POR	soil temp	dbhydro	e-mail
376	government	5/26/98	5/27/98	WQ data TMBR105, USSO, S177, nitrogen and phosphorus, test types 21-26, 115	water quality	sql script	ftp remo
377	government	5/26/98	5/27/98	USSO, S177, TAMI 40N, Lat 255000-255200 / Lon 805800-810000, 19950501-present	flow	dbhydro	ftp remo
378	government	5/26/98	5/27/98	S65E, Kissimmee River, all data types, grab samples, 19950501-present	water quality	dbhydro	ftp remo
379	university	5/26/98	5/27/98	township 53/54, range 38/39/40, Miami Sweetwater area, 1985-present	rain	dbhydro	e-mail
380	SFWMD	5/27/98	5/27/98	test types 18, 19, 28, 40-42, 46, 49, 50, 51, 55, POR, info list Lake Okeechobee/C-43	water quality	sql script	e-mail
381	society	5/27/98	5/27/98	info list ENP & WMD, Florida Bay sites, format 1 and 3	all hydro types	dbhydro	printout
382	consulting/engineering	5/27/98	5/28/98	Lake Okeechobee field station, January 1, 1998-present	rain	dbhydro	FAX
383	government	5/26/98	5/28/98	S65E, 19870801-present	flow	dbhydro	ftp remo
384	government	5/28/98	5/28/98	weather data, Lat 261400-264400, 1987 present	rain / weather	dbhydro	ftp remo
385	government	5/22/98	6/1/98	WQ sites 84, MP1, 2, 3, MOP 1-3, M102...; ENR 002, 004, D12...; WCA E1, E4, F1...	water quality	sql script	diskette-1
386	SFWMD	6/1/98	6/1/98	township 26/27, range 30/31	stage / well	dbhydro	e-mail
387	consulting/engineering	5/28/98	6/1/98	Port Myaca locks built by COE, structure info	tech pub	tech pub	e-mail
388	consulting/engineering	6/1/98	6/1/98	3A_NE_B, 19951001-present, format 8	stage	dbhydro	e-mail
389	consulting/engineering	6/1/98	6/2/98	section 32, township 43, range 41, Westport_R, Westpalm FS, Jan 1997-April 1998	rain	dbhydro	e-mail
390	government	6/2/98	6/2/98	township 38, range 31, site S70, 1993-1994, structure book info	stage	iweb / dbhydro	FAX
391	consulting/engineering	6/2/98	6/3/98	Martin County, 1995-present	rain	dbhydro	e-mail
392	government	6/3/98	6/3/98	provisional and archive data for S21_1, S21_2, S21_3, 19980518 to 19980530	operations	lvg / extract	ftp remo
393	government	6/3/98	6/3/98	1985-present, format 6	flow	dbhydro	ftp remo
394	consulting/engineering	6/3/98	6/3/98	ENR001, TPO4, POR	water quality	sql script	ftp remo
395	government	6/2/98	6/2/98	G58, G93, S123, S197, S20, S20F, S20G, S21...instantaneous, 19980301-present	flow	hydrograph	ftp remo
396	consulting/engineering	6/3/98	6/4/98	MARKH+CO, MARKH+C1, MARKH+, ORNG+, S79_H, 19980505 to 19980515	flow / stage / conductivity	extract	e-mail
397	SFWMD	6/3/98	6/4/98	info list of WMD sites	rain	dbhydro	e-mail
398	consulting/engineering	6/3/98	6/4/98	Lat 251000-254500 / Lon 800000-802800, info lis	stage / well	dbhydro	e-mail / ftp remo
399	government	6/4/98	6/4/98	MP1, 2, 3; MOP1, 2, 3; M102, M103; ENR 002, 004; S10C; WCA E1, 4, F1, 4, U1, 3	water quality	sql script	diskette-1
400	SFWMD	6/4/98	6/4/98	project SWS, all sites POR, Flab sites 20 and 28, 1986-1987	water quality	sql script	ftp remo
401	government	6/5/98	6/5/98	S352 provisional, 15 minute, 1998 data	stage / operations	lvg / extract	ftp remo
402	SFWMD	6/5/98	6/5/98	Flab site 25, 1986-present	water quality	sql script	ftp remo
403	university	6/5/98	6/8/98	Port Everglades area, 19950801 to 19960801, format 1	rain / flow	dbhydro	ftp remo
404	university	6/8/98	6/8/98	metabro gif, Broward County GIS map #10	GIS map	iweb	ftp remo
405	government	6/9/98	6/8/98	S351 and S354, provisional, May 1998, breakpoint	flow / stage / operations	lvg	ftp remo
406	government	6/4/98	6/9/98	Lat 250000-251500; 251500-254500; 254500-261500; 261500-264500...POR	water quality	sql script	ftp remo
407	government	6/8/98	6/9/98	S81_H, 19980501-present	stage	dbhydro	e-mail
408	consulting/engineering	6/9/98	6/9/98	S44, S46, S5A, S1M5, C1, SLAYTON, x-y coord, info list, detail 3	rain	dbhydro	e-mail
409	university	6/8/98	6/8/98	info list of ENP and WMD Florida Bay sites	all water quality / hydro	sql script / dbhydro	e-mail
410	consulting/engineering	6/10/98	6/10/98	S7_H, dbkey 06696; 2A-17 dbkey 15015; GIS map 7...max, min and dates, POR	stage / GIS map	iweb / dbhydro	FAX
411	consulting/engineering	6/9/98	6/10/98	S85D and S85E, daily, 1997-present	rain	dbhydro	FAX
412	SFWMD	6/10/98	6/10/98	WQ info list	water quality	sql script	printout
413	government	6/11/98	6/11/98	hourly, breakpoint data, 19980401 to 19980510	stage	lvg	e-mail
414	SFWMD	6/11/98	6/11/98	G54+T, G54-T, S13+T, S13@T, S13-T, 19841117 to 19841122	stage	hydrograph	printout
415	consulting/engineering	6/9/98	6/11/98	Lat 263000-264500 / Lon 814500-820200, WQ sites and all data POR, site location list	water quality	sql script	ftp remo
416	consulting/engineering	6/8/98	6/11/98	Lat 253000-264500 / Lon 814500-820200, hydro info list, SCOND,wind	rain / evap / flow / stage	dbhydro	ftp remo
417	consulting/engineering	6/11/98	6/11/98	MARKH+CO, MARKH+C1, MARKH+, ORNG+, 19980505 to 19980515, provisional	stage / SCOND	extract	e-mail
418	government	6/11/98	6/11/98	USSO+, 19981030 to 19981102, 19981113 to 19981116, 15 minute, breakpoint	stage	lvg / extract	e-mail
419	government	6/12/98	6/12/98	dbkey 15550, S151, daily, April and May 1988	flow	dbhydro	ftp remo
420	consulting/engineering	6/12/98	6/12/98	2A-17, 1997 data, daily, detail 1	stage	dbhydro	FAX
421	government	6/12/98	6/12/98	3-day and 1-day, 10 year return, tech pub DRE 129	rain	tech pub	FAX
422	consulting/engineering	6/12/98	6/12/98	township 50, range 39-42, max, min, mean, POR, GIS map #10, S8, S13 structure book	stage / GIS map / tech pub	GIS / dbhydro	ftp remo
423	private	6/12/98	6/15/98	info list of Dade County rain site, WMD, POR	rain	dbhydro	e-mail
424	SFWMD	6/15/98	6/15/98	S10D_T 07921, S10E_T 07952, S10F_T, S10F_T 05558 max, min and dates	stage	dbhydro	e-mail
425	government	6/15/98	6/15/98	all WQ, lat 261800-269000 / Lon 803600-805300, 1900 to 1979	water quality	sql script	ftp remo
426	consulting/engineering	6/12/98	6/16/98	enp_tp.sql and eaa_up.sql	water quality	sql script	ftp remo
427	consulting/engineering	6/12/98	6/16/98	eaa_q1.cmd; eaa_q2.cmd, eaa_q3.cmd, eaa_q4.cmd; eaa_q5.cmd	rain / flow / stage	dbhydro	ftp remo
428	consulting/engineering	6/11/98	6/16/98	Henckam stage data, 1992-present, township 51, range 28, daily	flow / stage	dbhydro	printout
429	university	6/16/98	6/16/98	Taylor Slough Bridge, 1986-present, NP-TSB	flow	dbhydro	ftp remo

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
430	SFWMD	6/16/98	6/17/98	S33, S37A, S37B, hourly, info list of WMD sites	rain	avg	e mail
431	consulting/engineering	6/17/98	6/17/98	S5AX_H, _T, format 6, detail 1, POR	stage	dbhydro	ftp remo
432	consulting/engineering	6/17/98	6/17/98	2A-17, 2A07, max min mean, POR, format	stage	dbhydro	ftp remo
433	consulting/engineering	6/17/98	6/17/98	GIS map #12, WQ map, frog pond area	GIS map / water quality	web	printout
434	SFWMD	6/18/98	6/18/98	hydro info list, C-5 stage map, C111, canal	GIS map	GIS / dbhydro	printout
435	government	6/18/98	6/19/98	M203_P, _SW, M204_P, _P2, _SW, S10 Cheat, SC2 FIOW2, SW4, S10 Cal	water quality	sql script	diskette 1
436	government	6/22/98	6/22/98	project BCWQ, 1997 present	water quality	sql script	ftp remo
437	consulting/engineering	6/22/98	6/22/98	S1-95, S38, S38A, C38B, C38C, structure book info, GIS map #10, 1998 data	flow/stage/GIS map/web pub	GIS / web / dbhydro	FAX
438	consulting/engineering	6/22/98	6/22/98	info list POR, C139 basin, C-5 map #1	GIS map / all hydro types	GIS / dbhydro	FAX
439	university	6/22/98	6/22/98	GIS map #6 and index of maps	GIS map	GIS	FAX
440	government	6/10/98	6/22/98	township 44/45, range 24/25, 11, Meyers, GIS map 5, 1997 present	rain / GIS map	GIS / dbhydro	printout
441	university	6/23/98	6/23/98	SB-SL, POR, format 6	stage	dbhydro	e-mail
442	government	6/22/98	6/23/98	M204-SW, S10 Cal, Mar1 SW, 19971201-present	water quality	dbhydro	diskette-1
443	government	6/23/98	6/23/98	11.41 05, 1AMR105 and BARR05, 1997 present	water quality	sql script	ftp remo
444	private	6/23/98	6/23/98	Lake Okeechobee, POR, 1991-present, format 7 and 7	stage	dbhydro	e-mail
445	university	6/22/98	6/23/98	S33, 1995-1996, format 1	rain / flow	dbhydro	ftp remo
446	university	6/24/98	6/24/98	NP_LOR, -A153, 19951101-19951231	flow	dbhydro	e mail
447	consulting/engineering	6/23/98	6/23/98	water quality scripts, enjdp.sql, cefb.sql	water quality	sql script	ftp remo
448	consulting/engineering	6/23/98	6/23/98	ewg tb.sql, eaa flow.sql, eaa rain.sql, eep flow.sql, rel.sql	rain / flow / stage	sql script	ftp remo
449	SFWMD	6/24/98	6/24/98	info list, dbhydro	all hydro types	dbhydro	printout
450	consulting/engineering	6/24/98	6/24/98	S08_H, _T, 6/24/98, S27_H, _T, 1/2/98, 15 minute data, archive	stage	avg / extract	ftp remo
451	university	6/23/98	6/24/98	location of 1-50 LAR WQ sites, turbidity, salinity and water temp data, POR	water quality	sql script	ftp remo
452	consulting/engineering	6/25/98	6/25/98	LWD 132, LWD L2-2 rain, LWD 30N/LWD 30S flow, 1995, 1/27/1/27/98 1997 present	rain / flow	dbhydro	e mail
453	consulting/engineering	6/25/98	6/25/98	Lake Trim, S67_H, 1998 map #1	stage	GIS / dbhydro	diskette 1
454	private	6/25/98	6/25/98	info on sites in Collier County	all water quality / hydro	sql script / dbhydro	ftp remo
455	consulting/engineering	6/26/98	6/26/98	10558, S65_H, 1997 data	stage	dbhydro	FAX
456	government	6/26/98	6/26/98	S351 and S352 hydrograph data, May 1998	flow / stage / gate op	avg / hydrograph	ftp remo
457	consulting/engineering	6/26/98	6/26/98	LWD 30N / LWD 30S, 1994 data	flow	dbhydro	e mail
458	tribe	6/25/98	6/29/98	Big Cy 10/9/01, 6/30/02, 11/22/94, 10/8/6, 7/16/96, 10/9/97 week before and after	rain	dbhydro	e-mail
459	consulting/engineering	6/24/98	6/29/98	info list WQ and hydro list, WQ 4743, hydro 15408	water quality / hydro	sql script / dbhydro	ftp remo
460	government	6/30/98	6/30/98	Lat 263000-272230 / Lon 804500-813000	all hydro types	dbhydro	ftp remo
461	government	6/30/98	6/30/98	Lat 263000-272230 / Lon 804500-813000	water quality	sql script	ftp remo
462	consulting/engineering	6/30/98	6/30/98	township 44, range 26, DRAN52, 1998	flow	dbhydro	phone
463	government	6/30/98	6/30/98	ac_cg.sql, ac_cg1.sql, ac_cg2.sql, 19900101-present	water quality	sql script	diskette-1
464	SFWMD	7/1/98	7/1/98	FNR info list, 2A mean sites, township 44, range 38/40	all hydro types	dbhydro	e mail / printout
465	government	6/30/98	7/1/98	S 167, 9/11/95, C103, structure book info, S-67, S179, GIS map #12	flow/stage/GIS map/web pub	web / GIS	FAX
466	SFWMD	7/1/98	7/1/98	S173 flow, S5A1_T stage, flow, S176_H stage, flow, S174 flow, angel well, 1995 data	flow / stage / well	dbhydro	e-mail
467	government	7/1/98	7/1/98	TAMBR 84, WQ POR	water quality	sql script	ftp remo
468	government	7/2/98	7/2/98	BCNP 2 scripts: BCNP_1.sql, BCNP_2.sql, sample with QC view	water quality	sql script	ftp remo
469	SFWMD	7/2/98	7/2/98	1-7, 11-77A, 1-8C, FF776, 1-8T, 15008, 1-9, FF777, daily	stage	dbhydro	e-mail
470	university	7/1/98	7/2/98	flow sites info list, Lat 272100	flow	dbhydro	ftp remo
471	university	7/1/98	7/2/98	Lat 240000-271500 / 800000-830000, select test numbers 12-14, 16-27, 61-64, 71	water quality	sql script	ftp remo
472	government	7/6/98	7/6/98	township 46/47/48, range 34/35/36, G200_R	all hydro types	dbhydro	ftp remo
473	university	7/6/98	7/6/98	Joe Ray, JBTS+WS_R1, R2, T0, R3, V5_C, AT_R1, V3_R, 1991/07-present	rain / weather	extract	ftp remo
474	SFWMD	7/7/98	7/8/98	KRA%, KR0%, KR0%, KRD%, ES_1%, 1997-8/01-present, format 7	well	dbhydro	diskette-1
475	SFWMD	7/8/98	7/8/98	COCOH1, COCO11+2, August 1-98	operations	extract	ftp network
476	government	7/8/98	7/8/98	TICOR, AIDS, C040, L40 1, L40 2, POR	water quality	sql script	e mail
477	government	7/8/98	7/9/98	S300 flat, 4/18/98 missing	water quality	dbhydro	ftp network
478	government	7/9/98	7/9/98	Lat 250000-275000 / Lon 80-0233-805230, format 7	flow	dbhydro	diskette-1
479	consulting/engineering	7/9/98	7/9/98	HENCTAMI 11/042/95, 1997 present, TAMINEND_11/05/98, 1983-present	stage	dbhydro	e mail
480	government	7/9/98	7/9/98	info list Broward, Palm Beach, Martin and St. Lucie County	well	dbhydro	printout
481	SFWMD	7/9/98	7/10/98	LTAR 95 site, test #21, 22, 80, 90, 92, 115, 179, 180, 1993-present	water quality	sql script	ftp network
482	SFWMD	7/10/98	7/10/98	hydro info list by station	all hydro types	dbhydro	printout
483	SFWMD	7/10/98	7/10/98	hydro info list by station and county	all hydro types	dbhydro	printout
484	tribe	7/10/98	7/10/98	township 46/47, range 33/34, info list	all hydro types	dbhydro	ftp remo
485	government	7/8/98	7/10/98	S194@1, S194@2, S194@H, S194@H, S194 breakpoint	flow / stage / gate op	dbhydro	e mail
486	government	7/8/98	7/10/98	instants from breakpoint, S93, S193, S95, F, G, S21_A, S22, S18, P, S26, S27, S28	flow	hydrograph	ftp remo
487	government	7/10/98	7/13/98	S08_H, 20231/04/98/15:56, 1998-present	stage	dbhydro	printout / diskette-1
488	consulting/engineering	7/13/98	7/13/98	S79+T0, S79+T1, MARKH+IO, +11, 19980601-19980617	n2oc	extract	ftp remo
489	government	7/13/98	7/13/98	G 92, 19980701-19-71001, format 6	flow	dbhydro	e-mail
490	university	7/13/98	7/13/98	KISS_FS2_R, C0059, October 1997-present	rain	dbhydro	e mail
491	SFWMD	7/13/98	7/13/98	all FT data in dbhydro, 2 sites, LOR format 7	evap	dbhydro	ftp network
492	SFWMD	7/14/98	7/14/98	Lake Okeechobee, info, G200%, G200%, hydro info list	flow / [illegible] / all hydro types	dbhydro	printout
493	SFWMD	7/13/98	7/14/98	WQ info list	water quality	sql script	printout
494	SFWMD	7/13/98	7/14/98	hydro info list by station	all hydro types	dbhydro	printout
495	government	7/13/98	7/14/98	water quality QC match	water quality	sql script	printout
496	SFWMD	7/14/98	7/14/98	SB water quality, POR	water quality	sql script	e mail
497	government	7/8/98	7/14/98	extract archive data and hourly data for S351, S352, MFS FS, S201, S194, POR	rain	avg / extract	ftp remo
498	government	7/15/98	7/15/98	rain sites in Broward County	rain	dbhydro	e mail
499	consulting/engineering	7/15/98	7/15/98	township 48, range 24/25, POR	rain	dbhydro	FAX
500	consulting/engineering	7/15/98	7/15/98	MARKR archive data, 5/1/98-5/17/98	stage	extract	e mail
501	government	7/15/98	7/15/98	hydro list for Lat 271000-272000 / Lon 801000-803000	all hydro types	dbhydro	ftp remo
502	SFWMD	7/15/98	7/15/98	FNR105+R, 19980401 present, breakpoint, daily	rain	extract	ftp network
503	SFWMD	7/16/98	7/16/98	St. Lucie County instruction manuals	rain / evap	dbhydro	e-mail
504	government	7/16/98	7/16/98	Lat 251400-261400 / Lon 8 1200-803-07, info list, 1998	all hydro types	dbhydro	e-mail
505	consulting/engineering	7/17/98	7/17/98	S340_H, _T, daily, 1998-present	stage	dbhydro	FAX
506	consulting/engineering	7/17/98	7/17/98	580 area, Lat 270-50 / Lon 801620, Lat 270800 / Lon 801700, Lat 270000 / Lon 801800	all hydro types	dbhydro	e-mail
507	consulting/engineering	7/17/98	7/17/98	Lat 263000-270100 / Lon 800000-801500, township 30/34, range 42, GIS map #3	GIS map	GIS / dbhydro	e mail
508	SFWMD	7/17/98	7/17/98	WQ and hydro sites w/ KR%, 10/km stations	water quality / hydro	sql script / dbhydro	e mail
509	consulting/engineering	7/17/98	7/17/98	S2, S3, S7, P8, 1, 1998/01/01-present, structure book info	flow	web / dbhydro	e-mail
510	consulting/engineering	7/22/98	7/22/98	Broward County, 10 year period, format 2	rain	dbhydro	e mail
511	consulting/engineering	7/22/98	7/22/98	Lake Trim, daily, 1990, 1998/06/01 present	stage	dbhydro	e mail
512	consulting/engineering	7/22/98	7/22/98	KR%, GIS map #2	GIS info	web	FAX
513	consulting/engineering	7/22/98	7/22/98	S608, S600, S700, 1-8c, 1/0/8, format 1, detail 3	stage / [illegible] pub	web / dbhydro	diskette-1
514	consulting/engineering	7/22/98	7/22/98	H20T, SCOND, Bridge 31, Lat Meyers, daily, POR	scond / h20t	dbhydro	e mail
515	consulting/engineering	7/23/98	7/23/98	Bridge 31, Lat 254207 / Lon 815447, Lat 263000, Lon 815210, POR	water quality	sql script	e mail

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
516	government	7/23/98	7/23/98	S65 March - June 1998, S65E May - June 1998	gate operations	extract	printout
517	SFWMD	7/23/98	7/23/98	hydro info list, detail 2	hydro	dbhydro	e-mail
518	SFWMD	7/23/98	7/23/98	WQ info list, detail 2	water quality	sql script	e-mail
519	SFWMD	7/23/98	7/23/98	AIRT site in SFWMD, detail 2	air temp	dbhydro	e-mail
520	university	7/21/98	7/24/98	G68, G69+1, +2, +3, +4, G89+H, S334+H, breakpoint	stage / gate op	dbhydro	ftp remo
521	university	7/23/98	7/24/98	S18C, S332, POR, all test types	water quality	sql script	ftp remo
522	consulting/engineering	7/17/98	7/24/98	MARKERH, structure book info, from Nancy Little	tech pub	iweb	printout
523	private	7/24/98	7/27/98	St. Lucie County, last 10 years, info list	stage	dbhydro	e-mail
524	SFWMD	7/24/98	7/28/98	STA6, G3055/G8530/G8563/G8559/G8565/G8561/H3144, 19980401-19980724	rain / flow / stage	dbhydro	e-mail
525	consulting/engineering	7/29/98	7/29/98	township 37/38, range 33/34, S154_H, S154_T, L58 canal, max, min...	stage	dbhydro	printout
526	government	7/29/98	7/29/98	S25B ins.dat, breakpoint, June1998	flow	hydrograph	ftp remo
527	government	7/28/98	7/29/98	S8, 19980101 to present	rain	dbhydro	ftp remo
528	government	7/29/98	7/29/98	S5, S50, 19980101-present	water quality	sql script	ftp remo
529	SFWMD	7/30/98	7/30/98	3 sql scripts, WQ data GW1, 2, 3, 4, SW, S10C, WA, WB, WC, E1, E4, F1, F4, WCA2_A	water quality	sql script	ftp network
530	consulting/engineering	7/30/98	7/30/98	S5A, dbkey 08331, 1981-present, format	evap	dbhydro	e-mail / ftp remo
531	consulting/engineering	7/30/98	7/30/98	25 year max, 10 year max, LOKEE stage	stage	dbhydro	printout
532	SFWMD	7/30/98	7/30/98	info list, print from VAX	well	dbhydro	printout
533	consulting/engineering	7/31/98	7/31/98	info list, 1992-present, C18W_R	rain	dbhydro	e-mail
534	SFWMD	7/31/98	7/31/98	Arcadia 08399, Melbourn 08401, POR, 1907-present	rain	dbhydro	e-mail
535	consulting/engineering	7/31/98	7/31/98	township 48, range 26, GOLD.W1, GOLD.W3, GOLD.S51	stage	dbhydro	FAX
536	university	7/31/98	7/31/98	S33, R, daily, 19970101-present, format 8	rain	dbhydro	e-mail
537	university	7/31/98	7/31/98	Lat 251500-263000 / Lon 800000-805300, test #181, 69, 1984-1980...	water quality	sql script	ftp remo
538	university	7/31/98	7/31/98	Lat 251500-263000 / Lon 800000-805300, info list	rain	dbhydro	e-mail
539	government	7/30/98	7/31/98	S351, S352	flow / stage / operations	hydrograph	ftp remo
540	government	7/30/98	7/31/98	JBTS, MBTS, HOMEFS, MDTS, MIAMI, S20, S331W, S332..., 19850501-19851101	rain	extract	ftp remo
541	SFWMD	7/31/98	7/31/98	ENR cond file, ENR site info list	all hydro types	dbhydro	e-mail
542	government	7/30/98	7/31/98	all MRF and plus (+), MSFWMD, 19980301-present	rain	extract	ftp remo
543	government	7/31/98	7/31/98	WCA2A U, F, E, 19980101-present	stage / well	dbhydro	ftp network
544	consulting/engineering	7/29/98	8/3/98	CYP_CK, FLD, FLN3, HOBE_DTH, KITCHEN, LOG_ROAD, LRE29...1990-present	water quality	sql script	e-mail
545	government	7/30/98	8/3/98	dbkey 06739, S5A_P, 19980501-19980701	operations	extract / dbhydro	ftp remo
546	consulting/engineering	7/30/98	8/3/98	Lat 271000-272000 / Lon 804500-805500, POR	water quality	sql script	e-mail
547	consulting/engineering	8/3/98	8/3/98	Lat 265000-265500 / Lon 810500-811000, Glade county area, 19980101-present	water quality	dbhydro	e-mail
548	consulting/engineering	8/3/98	8/3/98	dbkey 04255, 04258, 16037, 15523, POR, format and detail 1	stage	dbhydro	ftp remo
549	university	7/31/98	8/3/98	S5A_S, E, W, TP04, 19970101-present	water quality	sql script	e-mail
550	university	7/31/98	8/3/98	S5A_P, 19970101-present	flow	dbhydro	e-mail
551	government	7/31/98	8/3/98	Lokee, dbkey 15811, format and detail 1	stage	dbhydro	e-mail
552	university	7/31/98	8/3/98	21 rain dbkeys, 19951001-present	rain	dbhydro	e-mail
553	government	8/3/98	8/3/98	ENR001, ENR401, ENR202, 19980101-present	stage / well	dbhydro	ftp network
554	government	8/3/98	8/3/98	HOMETS, JBTS, MBTS, MDTS, MIAMI, S20, S331, S332...19970501-19971101	rain	extract	ftp remo
555	government	8/3/98	8/4/98	S5AP_1, _2, _3, _4, _5, _6, 15 minute, 19980801-present	operations	ivg	ftp remo
556	government	8/5/98	8/5/98	Lat 270000-272500 / Lon 800000-802300, POR	water quality	sql script	diskette-2
557	government	8/5/98	8/5/98	Lokee, 1995-present	stage	dbhydro	e-mail / FAX
558	consulting/engineering	8/5/98	8/5/98	Lat 265000-265500 / Lon 810500-811000,Glade County area, 1988-present	water quality	sql script	e-mail
559	SFWMD	8/5/98	8/5/98	S18C info list	rain / flow / stage	dbhydro	e-mail
560	consulting/engineering	8/5/98	8/5/98	township 24/35/38/39/42/48/50, range 29/30/39/40/42/43, POR	rain	dbhydro	ftp remo
561	consulting/engineering	8/5/98	8/5/98	WQ groundwater and surface water sites, 1988-present	water quality	sql script	e-mail
562	government	8/6/98	8/6/98	AC_CG, AC_CG1, AC_CG2, 19870101-present	water quality	sql script	ftp network
563	government	8/7/98	8/7/98	S351, S352, July 15	stage / operations	ivg	ftp remo
564	consulting/engineering	8/6/98	8/7/98	S40_H, hourly, 19980801-present	stage	ivg	e-mail
565	university	8/7/98	8/7/98	S12A, 19970101-present	stage	dbhydro	e-mail
566	university	8/7/98	8/7/98	S178 hydrograph data, ivg 30 minute data, S178_H, _T, _1	flow / stage / operations	ivg / hydrograph	ftp remo
567	university	8/7/98	8/7/98	S352, S352AS, S352UP, TP04, 19970101-present	water quality	sql script	e-mail
568	consulting/engineering	8/10/98	8/10/98	info list of SFWMD rain sites	rain	dbhydro	e-mail
569	SFWMD	8/10/98	8/10/98	last 30 days CFS flow, S49 and S97, 1998 data, detail 3, format 1	flow	dbhydro	e-mail
570	government	8/10/98	8/10/98	S5A, E, S, W, S6, TP04, POR	water quality	sql script	ftp remo
571	SFWMD	8/10/98	8/10/98	S65E_T, S65_T, 19970212 to 19970213	stage	dbhydro	e-mail
572	government	8/3/98	8/10/98	S5AE_1, _2, May 1998 to present; S5AS_1, _2, S5AW_1, _2, 19980430-present	operations	ivg	ftp remo
573	consulting/engineering	8/11/98	8/11/98	S40_R, 1998-present	rain	dbhydro	e-mail
574	consulting/engineering	8/11/98	8/11/98	TCNS219, TCN52/Z, POR	water quality	sql script	e-mail
575	consulting/engineering	8/11/98	8/11/98	provisional data, 19980801 to 19980810	flow / operations	extract	e-mail
576	university	8/12/98	8/12/98	S352, structure book info	flow / tech pub	iweb	e-mail
577	private	8/12/98	8/12/98	Lat > 281500, 1997-present	rain	dbhydro	e-mail
578	consulting/engineering	8/12/98	8/12/98	S40_H, S40_R, hourly, 1992-1995	rain / stage	ivg	e-mail
579	kayak company	8/12/98	8/12/98	S49_H, S49_T	stage	dbhydro	phone / printout
580	SFWMD	8/13/98	8/13/98	S17, 19970101-present	rain / flow / stage	dbhydro	diskette-1
581	consulting/engineering	8/13/98	8/13/98	township 37/38/39, range 41/42, POR	rain	dbhydro	e-mail
582	government	8/14/98	8/14/98	WCA2 E1, E4, F1, F4, U1, U3, 19971201-present	stage / well	dbhydro	ftp network
583	consulting/engineering	8/14/98	8/17/98	S79+TO, S79+T1, hourly, daily mean, COE and USGS, 19961201-19980101	flow / temp / h2ot	ivg	ftp remo
584	consulting/engineering	8/14/98	8/17/98	C-24 canal, S49, 1998	stage	dbhydro	e-mail
585	SFWMD	8/17/98	8/17/98	S112A-E, TP04, POR	water quality	sql script	e-mail
586	consulting/engineering	8/17/98	8/17/98	MARKH+T0, +T1, +C0, +C1, hourly, 19981201-19980101	stage	ivg	ftp remo
587	SFWMD	8/17/98	8/17/98	WCA1 info list, 1-7, 1-9, POR	rain / stage	dbhydro	ftp network
588	SFWMD	8/17/98	8/17/98	township 35, range 28/30, info hydro list	all hydro types	dbhydro	printout
589	university	8/17/98	8/18/98	township 56, range 38/39/40, DUCLOS, info hydro list	all hydro types	dbhydro	e-mail
590	consulting/engineering	8/18/98	8/18/98	TP04, C3, G198	water quality	sql script	ftp remo
591	consulting/engineering	8/18/98	8/18/98	dbkeys 15783/06841/15198/FI250/15195/12843/06938	flow	dbhydro	e-mail / ftp remo
592	university	8/19/98	8/19/98	SIDE flow, 3 site dbkeys	flow	dbhydro	printout
593	consulting/engineering	8/19/98	8/19/98	township 46/47/48, range 27, CORK_R, CORK ISL, 1997-present, format1	rain	dbhydro	FAX
594	SFWMD	8/19/98	8/19/98	test numbers 21-25, 1998 data	water quality	sql script	ftp network
595	government	8/19/98	8/19/98	township 55/56, range 38/39/40, sect. 34, provisional, MRF302, 19980811-19980818	rain	ivg / extract	e-mail
596	consulting/engineering	8/21/98	8/21/98	lat 270000-280000 / Lon 804500-811500, 1900-1965, info list of site	stage	dbhydro	FAX
597	SFWMD	8/20/98	8/20/98	C5155AE, S51SR7, POR	water quality	sql script	e-mail
598	SFWMD	8/20/98	8/20/98	Lat 253300-254000 / Lon 803000-803900, G3273 area, 19980101-present, format 7	stage	dbhydro	e-mail
599	private	8/20/98	8/20/98	Lake Toho, S61_H, GIS map #1, 1997-present	stage / GIS map	tech pub / dbhydro	printout
600	SFWMD	8/21/98	8/21/98	lat 254500-255500 / Lon 812203 820735, test numbers 08, 14, 28, 32, POR, WQAA	water quality	sql script	e-mail
601	consulting/engineering	8/21/98	8/21/98	Lat 273000 283000 / Lon 803000-810000, info list, 1900-present	stage	dbhydro	FAX

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
001	consulting/engineering	8/17/98	8/17/98	township 26S, range 31/32, section 19	stage	dbhydro	FAX
002	consulting/engineering	8/21/98	8/24/98	9 select sites, St. Johns River and Kissimmee River, POR, format 1, detail 2	stage	dbhydro	diskette-1
004	consulting/engineering	8/24/98	8/24/98	DCNPA11, 7/1/97 present	stage	sql script	e mail
005	university	8/24/98	8/24/98	30 minute data - January 1996	flow / stage / operations	avg / hydrograph	ftp remo
006	university	8/27/98	8/27/98	SIOA2H, provisional DMD data	stage	sql script	e-mail
007	consulting/engineering	8/21/98	8/25/98	real time data, web site access, http://141.232.1.11/regional.html	stage	web	e-mail
008	SFWMD	8/25/98	8/25/98	C2C50, C2H48, C2B48, C4450, 1998 data	water quality	sql script	e mail
009	SFWMD	8/20/98	8/23/98	Surface Water Quality Standards, Chapter 62-302, 62-302.530 criteria	stage / tech pub	tech pub	printout
010	consulting/engineering	8/26/98	8/26/98	1358_T, max, min, structure book info, township 47, range 42	stage	web / dbhydro	e-mail
011	consulting/engineering	8/21/98	8/26/98	real time data, web site, breakpoint	stage	web	e mail
012	government	8/26/98	8/26/98	S338-H, S338-T, S148-H, S148-T, provisional, breakpoint 19980811-19980818	stage	extract	e mail
013	SFWMD	8/26/98	8/26/98	web site structure book info	flow	web	e-mail
014	consulting/engineering	8/26/98	8/26/98	township 47, range 42, GIS map #10, info list	stage	dbhydro	FAX
015	consulting/engineering	8/25/98	8/27/98	mail S24, S243, 100 sites structure book info	flow	web	printout/excel/email
016	consulting/engineering	8/28/98	8/28/98	Brighton Seminole Indian Reservation, Glades County, 1980-present, format 1	rain	dbhydro	e-mail
017	government	8/28/98	8/31/98	1993-1995, format 6, detail 2	flow	dbhydro	ftp remo
018	SFWMD	8/31/98	8/31/98	S77, S78, S79, 19.71C01-19980331, format 6	rain / flow	dbhydro	e-mail
019	university	8/12/98	8/12/98	Rainfall, Tampa Area	rain	dbhydro	FAX
020	government	8/12/98	8/14/98	Copy Op Logs	info	dbhydro	printout
021	government	8/13/98	8/14/98	Copy Op Logs	info	dbhydro	FAX
022	consulting / engineering	8/13/98	8/18/98	Info rainfall 24 hrs 50 mm, 2 and 3 years Return	rain	dbhydro	printout
023	consulting / engineering	8/17/98	8/19/98	Rainfall S77	rain	dbhydro	FAX
024	consulting / engineering	8/19/98	8/21/98	Okeechobee & SR 441 Area	rain	dbhydro	FAX
025	consulting / engineering	8/27/98	8/28/98	Rainfall N.F. Area I. Okee.-Hybee	rain	dbhydro	FAX
026	government	9/1/98	9/1/98	PAI MIDAII_R, 1984-present, S78, 1993 present	rain / air temp	dbhydro	FAX
027	government	9/1/98	9/1/98	hydro and WQ info list, dokey 15H43	all water quality / hydro	sql script / dbhydro	ftp remo
028	university	8/28/98	8/28/98	S77, S235, S478, S479, S342, S78, S79, 1995 to present	rain	dbhydro	e mail
029	SFWMD	8/28/98	8/28/98	township 47/48, range 34/35, STAC	flow	dbhydro	ftp network
030	SFWMD	9/1/98	9/1/98	6 dokey NOAA sites, load to DS-HYDRO, info list e mail dokeys	rain	dbhydro	e-mail
031	government	9/2/98	9/2/98	S180, head, tab, 1998 data	stage	dbhydro	FAX
032	government	9/2/98	9/2/98	Lat 261500 /80040, info list USGS site	stage	dbhydro	e-mail
033	SFWMD	9/2/98	9/2/98	WMD 1984-1998 Lokee, 15C11, C01, 1431-1385 Lokee 00832	stage	dbhydro	e mail
034	SFWMD	9/3/98	9/3/98	Lat 260000 /84500 / Lon 800000-801000	water quality	sql script	ftp network
035	consulting/engineering	9/3/98	9/3/98	Lat 263500, 260000 / Lon H15800-H-0500, Fort Myer R, 19980101 present	rain	dbhydro	e mail
036	university	9/2/98	9/3/98	Lat 270500-274000 / Lon 810000 812000, Lake R, Kissimmee River, Test 7, R	water quality	dbhydro	e mail
037	university	9/2/98	9/3/98	Lat 270000 274000 / Lon 810500-812000, Pool D, Kissimmee River, info list	flow / stage	dbhydro	e-mail
038	government	9/3/98	9/3/98	NP-127, NP-150, NP-LVK, LV-110, TSB, TSH, P67, P09	stage	dbhydro	e mail
039	consulting/engineering	9/11/98	9/11/98	Lat 261000-271000 / Lon 810000 821000	water quality	sql script	ftp / web
040	university	9/14/98	9/14/98	negative flow S178, 1994-1998	flow	dbhydro	e-mail
041	SFWMD	9/14/98	9/14/98	project SLAA, regulation scripts go over nving and print files UNIX session	water quality	sql script	ftp network
042	consulting/engineering	9/14/98	9/14/98	GIS map #5, MARKI, 9/1/2001	GIS map / tech pub	tech pub / sql script	e mail / FAX
043	SFWMD	9/15/98	9/15/98	S176, S177, S178, S180, S312, S351, S351, 16 test #, 1993 present	water quality	sql script	e mail
044	government	9/14/98	9/14/98	NP-128 270-0, NP-TSB H2442, 1984 to 1987, format 7	stage	dbhydro	e mail
045	SFWMD	9/16/98	9/16/98	HY_0617.MI, dbhydro info list	all hydro types	dbhydro	e-mail
046	government	9/16/98	9/16/98	S352-1, S352-2, S351-1 to S351-3, S6AP-1 to S6AP-6, 15 minute, August 1998	operations	avg	ftp remo
047	consulting/engineering	9/16/98	9/16/98	Lat 261000-271000 / Lon 810000 821000, WQ location info list	water quality	sql script	e mail
048	SFWMD	9/16/98	9/16/98	CA310, test #30, 33, 38, 1986-present	water quality	sql script	e-mail
049	private	9/16/98	9/16/98	monthly rainfall total FL, 1996	rain	dbhydro	phone
050	SFWMD	9/16/98	9/16/98	C44580, C2H48, C2H48, C2H50, C2C50, 10 test #, February 1993-present	water quality	sql script	e-mail
051	consulting/engineering	9/16/98	9/16/98	Lat 263000-264500 / Lon H14500-H-0500, 1996-present	water quality	sql script	e mail
052	consulting/engineering	9/16/98	9/16/98	C139_TP total, FAA_TP SQL, LNP_TP SQL, STA_TP SQL, STAC_TP SQL	water quality	sql script	ftp remo
053	farmer	9/16/98	9/16/98	RADT, HUMI, CFSW, Clewiston weather site, 1991 data, format 1, detail 3	rain / rad	dbhydro	FAX
054	consulting/engineering	9/16/98	9/16/98	S3_P 1989-present, Lat 261700 262000 / Lon 800000 801000, 1985 present	flow / stage	dbhydro	diskette-1
055	consulting/engineering	9/15/98	9/16/98	C139_Q CMD, FAA_Q CMD, EAA_P CMD, LNP_Q CMD, STA_Q CMD	rain / flow / stage	dbhydro	ftp remo
056	SFWMD	9/16/98	9/17/98	LNP 100, 103, 302, 303, 013, 401, 402, 207, 204, POR, 004, C2S3E, C2S4C, POR	water quality	sql script	diskette
057	government	9/14/98	9/17/98	Lat 240000 250000 / Lon 810000-830000, sample type 03, sea water, POR	water quality	sql script	ftp remo
058	government	9/14/98	9/17/98	271-1 -2 -3 19980731 19980901, 15 minute data	operations	avg	ftp remo
059	farmer	9/17/98	9/17/98	CFSWVER1, RADT, CFSWVER1 HUMI, 19980810-present, provisional	rain / rad / weather	extract	e mail
060	SFWMD	9/17/98	9/17/98	HYD7, HYD8, 19980503-19980610	well	dbhydro	e-mail
061	SFWMD	9/18/98	9/18/98	CA310, test #26, 1990 present	water quality	sql script	e-mail
062	consulting/engineering	9/18/98	9/18/98	Lat 263000-264500 / Lon H14500 H0500, 1996-present	all hydro types/wind/hum	dbhydro	e mail
063	consulting/engineering	9/22/98	9/22/98	dokey 15H7, dbh.15, 00211, 00004, 00009, 00017	stage	dbhydro	e mail
064	consulting/engineering	9/23/98	9/23/98	Lat 261500 262500 / Lon H0450-H-0500, STAC	all water quality / hydro	sql script / dbhydro	e-mail
065	SFWMD	9/23/98	9/23/98	H7nh, KRCRS, 10/20/97 to 9/23/98, WCA1F4, F1320, 4/22/98 to 9/23/98, detail 3	stage / water quality	sql script / dbhydro	printout
066	SFWMD	9/23/98	9/23/98	S0084 flow, 1985-present, format 7	flow	dbhydro	ftp network
067	government	9/17/98	9/17/98	S352, S352_SVA, August 1998 data	operations	avg	ftp remo
068	consulting/engineering	9/28/98	9/28/98	FNRP project, C220, IG21, LNR100, POR	water quality	sql script	printout / ftp remo
069	SFWMD	9/28/98	9/28/98	K81110, K81NN1, 19070501-19080701	well / water quality	sql script	e-mail
070	government	9/28/98	9/28/98	CGAE, SGAW, SGAE August 1998	operations	avg	ftp remo
071	consulting/engineering	9/28/98	9/28/98	C250, C251, POR	flow / all hydro types	dbhydro	printout / ftp remo
072	SFWMD	9/28/98	9/29/98	project WMD 19980818 to 19980914	water quality	sql script	diskette 1
073	government	9/28/98	9/29/98	all MR7 and plus, archive, 19 WMD rain sites	rain	extract	ftp remo
074	consulting/engineering	9/29/98	9/29/98	Mallory, 1907-1908 data	rain	web / dbhydro	e mail
075	SFWMD	9/30/98	9/30/98	Flag and QC with new data, 19971001 present	water quality	sql script	e mail
076	SFWMD	9/30/98	9/30/98	info list of WCA2A sites, real-time 24-17 cats, on web manual tracking	stage	web / dbhydro	printout
077	government	9/29/98	9/30/98	Lat 261500 262000 / Lon 805000-805300, info list	flow	dbhydro	e-mail
078	government	9/29/98	9/30/98	1001 and Keys stage cats, south of Lat 251500 and close to 0001, 0002, STC	stage	dbhydro	e mail
079	consulting/engineering	9/9/98	9/9/98	S_140 flow/stage, POR	flow / stage	dbhydro	e mail
080	consulting / engineering	9/2/98	9/3/98	Palm Beach Co Rainfall Keys (1-95A)	rain	dbhydro	FAX
081	consulting / engineering	9/10/98	9/11/98	High tide Broward Coast Line	stage	dbhydro	FAX
082	government	9/15/98	9/15/98	Optimap Logs, Selected Stations	stage/gate op	dbhydro	printout
083	government	9/15/98	9/15/98	Copy Op Logs	operations	dbhydro	FAX
084	government	9/30/98	9/30/98	Discharge S40	discharge	dbhydro	e mail
085	government	9/30/98	9/30/98	Location Opens Db	info	dbhydro	e mail
086	consulting/engineering	10/1/98	10/1/98	tech pub 92 2 82 1 06 6	rain	tech pub	printout
087	government	10/1/98	10/1/98	S156-H, S156-T, breakpoint, September 1998	stage	extract	ftp remo

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
688	university	10/1/98	10/1/98	L31E+H, L31E+T, 19980812-19980908	stage	extract	e-mail
689	SFWMD	10/1/98	10/1/98	info list for S80, USGS and COE sites	flow	dbhydro	e-mail
690	university	10/1/98	10/1/98	test #98, 28, 180, Lat 250500-254400 / Lon 801900-802700, Coral Gables-Burnes Snd	water quality	sql script	e-mail
691	government	10/1/98	10/1/98	S8 data, BELF, OMD, S9+R, 1994-1995, format 8	rain	dbhydro	e-mail
692	SFWMD	10/1/98	10/1/98	KRANC38, KRBNOX13, KRCNC38, KRDRMONT, KRENICE, KRFNC38	water quality	sql script	ftp remo
693	university	10/2/98	10/2/98	Lat 252500-254800 / Lon 801200-802100, test #98, WQ maps BISC and FLAB	GIS map / water quality	sql script	e-mail / FAX
694	SFWMD	10/5/98	10/5/98	S337 and S335, POR, format 1, detail 3	flow / stage / operations	extract / dbhydro	diskette-4
695	government	10/5/98	10/5/98	S331, S332, S5A, 15-minute data, September 1998	operations	ivg	ftp remo
696	consulting/engineering	10/1/98	10/5/98	S70, daily, 19980915-present	stage	dbhydro	e-mail
697	private	10/5/98	10/5/98	monthly AIRT, ENR105, 19870501-present	air temp	dbhydro	phone
698	government	10/6/98	10/6/98	S39-T, G58-H, 1998 data structure book info, Township 47, range 40/41	stage	iweb / dbhydro	printout
699	SFWMD	10/6/98	10/6/98	Lat 254300-260000 / Lon 802500-803200, S31, S32, S32A, S336, S334, S24	rain / flow / stage / operations	iweb / dbhydro	printout / diskette-5
700	university	10/6/98	10/7/98	Lat 260000-280000 / Lon 804500-813000, info list	rain / stage	dbhydro	e-mail / ftp remo
701	SFWMD	10/7/98	10/7/98	WQ POR station OSF-68	water quality	sql script	e-mail
702	society	10/6/98	10/7/98	S12, S333, S24A, S346, S347, May 1998-present	water quality	sql script	e-mail
703	society	10/6/98	10/7/98	S12, S333, S24A, S346, S347, May 1998-present	flow	dbhydro	e-mail
704	SFWMD	10/7/98	10/7/98	project TFWQ, POR	water quality	sql script / dbhydro	e-mail / ftp remo
705	consulting/engineering	10/7/98	10/7/98	S56_H, 1993-present, detail 3, format 1	stage	dbhydro	e-mail / FAX
706	government	10/8/98	10/8/98	4 GIS wall maps	rain/stage/flow/well/GIS map	GIS	printout
707	government	10/8/98	10/8/98	closest AIRT site to S9, S140W, 1994-1995	air temp	dbhydro	e-mail
708	SFWMD	10/8/98	10/8/98	KREFFS, KREFFM, KREFFM, KRFFFS, POR, format 7	well	dbhydro	e-mail
709	consulting/engineering	10/9/98	10/8/98	Lat 260700-261500 / Lon 800000-801500, Broward County, GIS map #10, info list	rain/stage/flow/well/GIS map	tech pub / dbhydro	FAX
710	government	10/1/98	10/12/98	S5AE, W, S, 15-minute, September 1998	operations	ivg	ftp remo
711	SFWMD	10/12/98	10/13/98	KRA-KRF, 19970501-present	well	dbhydro	e-mail
712	SFWMD	10/13/98	10/13/98	S352, 19981012 - present	operations	sql script / extract	printout / e-mail
713	SFWMD	10/13/98	10/13/98	all in CAMB, POR	water quality	dbhydro	e-mail
714	university	10/13/98	10/13/98	S174, S175, S176, S177, S178, S332, G613, G788, FRGPD1, FRGPD2...1993 data	flow / stage / well	dbhydro	ftp remo
715	SFWMD	10/14/98	10/14/98	G136, L3, project CAMB	water quality	dbhydro	ftp network
716	SFWMD	10/14/98	10/14/98	KRC%, KRB%, KRA%, KRO%, 19970401-19981101	stage / well	dbhydro	e-mail
717	university	10/12/98	10/14/98	Lat 275500-270500 / Lon 812500-813500, Polk County, Lake Wales, POR, format 2	rain / stage	dbhydro	ftp remo
718	SFWMD	10/14/98	10/14/98	Lat 261500-262500 / Lon 804500-805800, STA8	flow / stage	dbhydro	printout
719	government	10/14/98	10/14/98	JBTS, TWS, VS, VD, RH, AT, BP, hourly 15-minute, instantaneous...	rain / weather / air temp	ivg / extract	ftp remo
720	farmer	10/15/98	10/15/98	CFSW+RT, CFSW+RH; provis. 19981006-19981015; daily mean 19980910-19981006	humi / radi	extract / dbhydro	e-mail
721	SFWMD	10/15/98	10/15/98	TFWQ 19930901-19980301	water quality	dbhydro	e-mail
722	SFWMD	10/15/98	10/15/98	S56B-T, 19870501-19981101	stage	dbhydro	e-mail
723	SFWMD	10/15/98	10/18/98	S80, POR	flow	dbhydro	e-mail
724	farmer	10/18/98	10/18/98	CFSW+RT, CFSW+RH; provis. 19981015-19981017; daily mean 19981006-19981015	humi / radi	extract / dbhydro	e-mail
725	SFWMD	10/18/98	10/18/98	dbkey FI286, KREFR, 19970501-19981030	rain	dbhydro	e-mail
726	university	10/15/98	10/19/98	FRGPD2_G, 1998	well	dbhydro	e-mail
727	SFWMD	10/16/98	10/19/98	S8_H, S8_P, S8	flow / stage	dbhydro	e-mail
728	SFWMD	10/19/98	10/19/98	C-31 canal, S59_T, BS-58, Lat 281000-282000 / B11500-812200, POR	stage / GIS map / water quality	sql script / dbhydro	e-mail / printout
729	SFWMD	10/15/98	10/18/98	S39_H, 1-7, 1-9, 2A-17, POR, format 7 daily data; format 6 RI, breakpoint, daily	stage	dbhydro	diskette-1
730	consulting/engineering	10/19/98	10/19/98	S10A, S10C, S10D, project LAMB, POR	water quality	dbhydro	ftp remo
731	government	10/19/98	10/20/98	ENR 001, MP1, MP2, ENR 201, ENR 102, ENR 103, ENR 203...19971201-present	stage / well	dbhydro	ftp remo
732	SFWMD	10/20/98	10/20/98	S79@T, S79@H, 1998 data	stage	sql script	e-mail
733	student	10/20/98	10/20/98	S80 historical flow, detail 1, format 8	flow	dbhydro	diskette-1
734	consulting/engineering	10/21/98	10/21/98	project WQM, 7 sites West Palm Beach area, select test numbers	water quality	dbhydro	e-mail / FAX
735	SFWMD	10/21/98	10/21/98	Lat 261500-262500 / Lon 801000-802500, info list	water quality	sql script	printout
736	university	10/21/98	10/21/98	G-788, 1998 data	well	ADAPS USGS	e-mail
737	university	10/20/98	10/21/98	info list of site in Water Conservation areas 3A and 3B	rain	dbhydro	e-mail
738	university	10/20/98	10/21/98	stage site /lo with 1950-present data	stage	dbhydro	ftp remo
739	government	10/20/98	10/21/98	all WQ data, control sample, include pest	water quality	sql script	ftp remo
740	consulting/engineering	10/21/98	10/21/98	Lat 254600-265900 / Lon 800400-801100, POR	water quality	sql script	e-mail
741	university	10/20/98	10/22/98	FRGPD1, FRGGP, S332_H, S332_T, S332, 19980701-present, format 6	flow / stage / well	dbhydro	e-mail
742	private	10/18/98	10/22/98	township 48/49, range 41/42, Pompano area, 1998	flow / stage	dbhydro	e-mail
743	SFWMD	10/22/98	10/22/98	info list of WQ sites	water quality	sql script	e-mail
744	SFWMD	10/22/98	10/22/98	Lat 261500-262500 / 801000-802500, TPO4, 1988-1991, 1994-1998	water quality	sql script	e-mail
745	university	10/18/98	10/22/98	1950 - present, format 2	rain	dbhydro	ftp remo
746	government	10/22/98	10/22/98	27 tech pubs	tech pub	tech pub	printout
747	government	10/23/98	10/23/98	ENR001%, MP2%, MOP2, ENR202, 19971201-present	stage / well	dbhydro	ftp remo
748	consulting/engineering	10/23/98	10/23/98	Stuart / Port Salerno area, township 37/38, range 40/41/42, Aug. 1998-Oct. 1998	rain	dbhydro	e-mail
749	SFWMD	10/23/98	10/23/98	agency list for dbhydro; list of agency with flow data	flow	dbhydro	e-mail
750	government	10/23/98	10/23/98	info list of WS sites and location	water quality	sql script	ftp remo
751	consulting/engineering	10/23/98	10/23/98	Lat 270000-274000 / Lon 801500-804000; GIS map #7	GIS map	dbhydro	e-mail
752	SFWMD	10/20/98	10/26/98	S6_T, 19870601-present	stage	dbhydro	e-mail
753	SFWMD	10/26/98	10/26/98	set up cmd file for multiple dbkey and each dbkey data goes in its own file	stage	access / dbhydro	ftp network
754	consulting/engineering	10/27/98	10/27/98	22 stage sites, head and tail water, 1980-present, format 2	stage	dbhydro	ftp remo
755	government	10/27/98	10/27/98	S155_H, S155_T, S155-1, S155-2, S155-3, 19981005-19981008	stage / operations	extract	ftp remo
756	consulting/engineering	10/27/98	10/27/98	S44, structure book info, GIS map #7	GIS map	iweb / tech pub	e-mail / FAX
757	SFWMD	10/28/98	10/28/98	STA6, G500, G507, G352S, G354, G392, G393, format 8	flow	dbhydro	e-mail
758	SFWMD	10/28/98	10/28/98	project KRGW, POR	water quality	sql script	e-mail
759	SFWMD	10/28/98	10/28/98	S85_T, S85B_T, 1998 data	stage	dbhydro	e-mail
760	private	10/28/98	10/28/98	Homestead Air Force Base area stage info list	stage	dbhydro	e-mail
761	consulting/engineering	10/28/98	10/28/98	monthly summary historical for KISS basin, Palm Beach County, EAA	rain	dbhydro	FAX
762	SFWMD	10/28/98	10/29/98	EWR info list, real time, salt, pH, H2OT, SCOND, SC, TO, TB	water quality	ivg / extract / dbhydro	e-mail / printout
763	SFWMD	10/29/98	10/29/98	sample test #114	water quality	wqdorax / sql script	email/printout/ftp net
764	tribe	10/29/98	10/28/98	pest data for L3BRS and S190	water quality	sql script	e-mail / ftp remo
765	SFWMD	10/29/98	10/29/98	S608 , GA116 (H3144), POR	flow	dbhydro	e-mail
766	SFWMD	10/29/98	10/29/98	L-5727, L-5725, POR	well / water quality	sql script / dbhydro	e-mail
767	consulting/engineering	10/29/98	10/28/98	S20G_H, _T, GIS map #12, POR	stage / GIS map	tech pub / dbhydro	e-mail / FAX
768	university	10/30/98	10/30/98	L31E+H, +T, 19980909-present, provisional, breakpoint	stage	extract	e-mail
769	consulting/engineering	10/30/98	10/30/98	township 37/38, range 40/41/42, 19981001-present	rain	dbhydro	e-mail
770	SFWMD	10/30/98	10/30/98	DO, EWR sites, 15-minute data, 1993-present	water quality	ivg	e-mail
771	consulting/engineering	10/30/98	10/30/98	NESRS 2 and 3, POR, format 8	stage	dbhydro	diskette-1
772	consulting/engineering	10/30/98	10/30/98	S55_S, S44_S, 08795/03680, C-17 and C-51, format 2	flow / GIS map	tech pub / dbhydro	FAX
773	consulting/engineering	10/5/98	10/8/98	Rainfall Selected Areas	rain	dbhydro	Phone

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
774	consulting/engineering	10/7/98	10/8/98	Stage Data	stage	dbhydro	FAX
775	consulting/engineering	10/8/98	10/9/98	Stage 0335, 0337	stage	dbhydro	printout
776	consulting/engineering	10/8/98	10/9/98	G 90_1 (PDF)	stage	dbhydro	FAX
777	condo association	10/9/98	10/9/98	Info Flood Zone M 3 Data	info	dbhydro	printout
778	consulting/engineering	10/9/98	10/12/98	Stage WCA 1B	stage	dbhydro	printout
779	government	10/13/98	10/14/98	List of Stns Sorted by Co. and Station	info	dbhydro	printout
780	consulting/engineering	10/15/98	10/14/98	Info surface water stage & water table	info	dbhydro	printout
781	agriculture	10/15/98	10/15/98	Solar radiation and relative humidity data	meteorological data	dbhydro	e-mail
782	agriculture	10/21/98	10/21/98	Solar radiation, relative humidity, wind speed data	meteorological data	dbhydro	e-mail
783	agriculture	10/22/98	10/20/98	Solar radiation, relative humidity, wind speed data	meteorological data	dbhydro	e-mail
784	agriculture	10/22/98	10/22/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
785	agriculture	10/22/98	10/22/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
786	private	10/26/98	10/26/98	Average and Actual rainfall for Palm Beach Co	rain	dbhydro	phone
787	agriculture	10/23/98	10/23/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
788	agriculture	10/26/98	10/26/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
789	agriculture	10/27/98	10/27/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
790	agriculture	10/28/98	10/28/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
791	agriculture	10/29/98	10/29/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
792	agriculture	10/30/98	10/30/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
793	government	11/2/98	11/2/98	Lat 263000-270300 / Lon 810400-810900, Hanley Pond area	flow / stage	dbhydro	e-mail
794	school	11/2/98	11/2/98	WQ quarterly report, July 1997 to October 1998, SSA, TP04 data	water quality	sql script	e-mail / printout
795	SFWMD	11/2/98	11/2/98	Lat 265500-270500 / Lon 800000-801200, 1985-1989, salinity and conductivity	water quality	sql script	e-mail
796	SFWMD	11/2/98	11/2/98	Lat 265500-270000 / Lon 800000-801200, (NH3, TOX, 340%, DA, mean	flow	dbhydro	e-mail
797	university	11/2/98	11/2/98	Lat 252000-254000 / Lon 803000-804000	water quality	sql script	e-mail
798	SFWMD	11/3/98	11/3/98	WA-17, POR 1998	stage	dbhydro	printout
799	consulting/engineering	11/3/98	11/3/98	S123, POR, head and tail water	stage	dbhydro	e-mail
800	SFWMD	11/3/98	11/3/98	Lat 263000-254000 / Lon 803500-804000, C6340, 00810, 00805, HR872	rain / flow / stage	dbhydro	printout / diskette ?
801	government	11/3/98	11/3/98	structure book info S77, S131	stage / tech pub	web / web	e-mail
802	university	11/3/98	11/3/98	Lat 263000-263500 / Lon 802400-803000, 1984-1997, C103 basin area	flow	dbhydro	e-mail
803	government	11/5/98	11/5/98	WA 4, WA84@H	stage	sql script	e-mail
804	government	11/5/98	11/5/98	G90, POR, format 1, info list and data	flow / stage	dbhydro	ftp remo
805	consulting/engineering	11/5/98	11/5/98	GIS map #7, stage sites on intercoastal in Palm Beach County	stage / GIS map	web	FAX
806	university	11/5/98	11/5/98	WA 17, 1988-1990 data	stage	dbhydro	e-mail
807	university	11/6/98	11/6/98	Lat 252000-254000 / Lon 803000-804000, 12 test	water quality	sql script	ftp remo
808	society	11/6/98	11/6/98	PRC 1997-present	evap	dbhydro	printout
809	government	11/6/98	11/6/98	WQ project, KRFA, ARCK, TCNS, August 1, 1998-present, TP04 (2)	water quality	sql script	e-mail
810	consulting/engineering	11/6/98	11/6/98	S2, S3, S5A W, S6, S6A, N7, S8, S352, S5AY, S6Z 1988H1104-10981107, provisional	stage / operations	extract	e-mail / ftp remo
811	government	11/6/98	11/6/98	S351, S352, S5A, 15-minute data	stage / operations	wg	ftp remo
812	consulting/engineering	11/6/98	11/6/98	CA CORAL, 15 x S123, format 1	stage	dbhydro	FAX
813	consulting/engineering	11/6/98	11/6/98	Lat 263500-270500 / Lon 800000-801000, 1998, info list	stage	dbhydro	e-mail
814	government	11/6/98	11/6/98	1996 present, all SFWMD stage sites	stage	dbhydro	ftp remo
815	government	11/14/98	11/14/98	all WQ data, projects IRL and 10, October 1998	water quality	sql script	e-mail
816	consulting/engineering	11/17/98	11/17/98	G-85J, x-1215, USCS	well	dbhydro	ftp remo
817	university	11/10/98	11/24/98	WQ, S332, S175, S180, 5/1/96-12/31/98	water quality	dbhydro	ftp remo
818	consulting/engineering	11/18/98	11/25/98	S332, S175, S194, S149, S118, S116, S121, S122, S123, S197, GA73, POR, format 7	stage	dbhydro	e-mail
819	SFWMD	11/10/98	11/24/98	KRCN+ND, KRCN+NM, February March 1998	well	extract	e-mail
820	consulting/engineering	11/30/98	11/30/98	DHA, GLA, LEE, HEN, COL Counties POR, detail 7, format 6	rain	dbhydro	ftp remo
821	SFWMD	11/30/98	11/30/98	L5, 1991, 1995 1998, dskey= 16242, 00011, monthly summary	stage	dbhydro	e-mail
822	consulting/engineering	11/23/98	12/1/98	CCCC1, 1990 data	rain	dbhydro	e-mail
823	agriculture	11/2/98	11/2/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
824	agriculture	11/2/98	11/2/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
825	consulting/engineering	11/4/98	11/4/98	Specifications Structure S71 and Canal c 41	info	dbhydro	FAX
826	SFWMD	11/4/98	11/4/98	Help running program DVS	info	dbhydro	phone
827	agriculture	11/2/98	11/2/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
828	agriculture	11/4/98	11/4/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
829	agriculture	11/5/98	11/5/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
830	agriculture	11/6/98	11/6/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
831	agriculture	11/9/98	11/9/98	Rainfall Max & min, Air Temp maximum the last 3 years	meteorological data	dbhydro	e-mail
832	agriculture	11/9/98	11/9/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
833	consulting/engineering	11/17/98	11/17/98	Rainfall Selected Areas	rain	dbhydro	FAX
834	consulting/engineering	11/18/98	11/18/98	Additional Rainfall data previous request	rain	dbhydro	FAX
835	consulting/engineering	11/10/98	11/10/98	Stage and flow data 1986 to 1998	stage / flow	dbhydro	printout
836	private	11/10/98	11/10/98	Stage 065_h,065_t Kiss Mate Park	stage	dbhydro	printout
837	agriculture	11/10/98	11/10/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
838	consulting/engineering	11/10/98	11/10/98	Info Rainfall I. meyers and bonita springs	rain	dbhydro	phone
839	consulting/engineering	11/9/98	11/20/98	Rainfall data Area 2, a-m/Cat Stations	rain	dbhydro	FAX
840	agriculture	11/19/98	11/19/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
841	agriculture	11/20/98	11/20/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
842	consulting/engineering	11/23/98	11/24/98	Period of record stage data 0179_H	stage	dbhydro	FAX
843	consulting/engineering	11/24/98	11/24/98	Stage and Flow 1982/1998	stage / flow	dbhydro	diskette-1
844	university	11/20/98	11/24/98	Stage daily mean and daily water readings @ W3210	stage	dbhydro	e-mail
845	agriculture	11/23/98	11/23/98	Solar radiation, relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
846	government	11/30/98	11/30/98	Rainfall 5 years summary	rain	NA	FAX
847	low bm	12/1/98	12/1/98	township 47/40, range 42/41, 19970006-19970010, GIS map #7	rain / GIS map	dbhydro	e-mail
848	consulting/engineering	12/2/98	12/2/98	Palm Beach Canal and SR7, township 47, range 41, POR, format 6	stage	dbhydro	e-mail
849	consulting/engineering	12/2/98	12/2/98	0075_H, 1981-present, structure book info	stage / tech pub	web / dbhydro	printout
850	consulting/engineering	12/2/98	12/2/98	dskey 00001, 3361, monthly, POR	rain	dbhydro	e-mail
851	university	12/2/98	12/2/98	0064H (3194H), 15, 0330, H, 1, hourly, 1986-present	stage	wg	ftp remo
852	government	12/2/98	12/2/98	hurricane tracker, GIS map #10, Alligator Alley, 1984 area, 1/17/98	stage / GIS map	GIS	FAX
853	SFWMD	12/13/98	12/2/98	WCA 1A, 1991/2 / 1994/5/6, F0-F5, F0 F5, 1 UD	water quality	sql script	e-mail
854	consulting/engineering	12/2/98	12/2/98	1997 present, 340%, 344%, TOX%	rain	dbhydro	e-mail
855	SFWMD	12/2/98	12/2/98	S352, S352 AS, S352 UP, S5A, S5A W, 1995-1997, sample was OK view	water quality	sql script	e-mail
856	government	12/2/98	12/2/98	S332, S175, T53, NP-P37, P37	water quality	sql script	diskette-1
857	government	12/2/98	12/2/98	Layer Bleigh area, S332, S175, S177, NP 311, NP 312W, POR	flow / stage	dbhydro	ftp remo
858	government	12/2/98	12/2/98	ENR data, ENR002, 0250, 0250, ENR001, ENR102, ENR101, 0250, POR	stage	dbhydro	diskette-1
859	government	12/2/98	12/2/98	ENR002, ENR001, 0250, 0250, 0250%, POR	water quality	sql script	ftp remo

Appendix I. List of Clients and Data Requested

#	TYPE OF CLIENT	REQ. IN	REQ. OUT	REQUEST DESCRIPTION	DATA TYPE	ACQUISITION	DISTRIBUTION
860	university	12/3/98	12/3/98	JBTS+VD, JBTS+VS, JBTS+TO, 19980901-19981213	weather / wind / temp	extract	ftp remo
861	university	12/3/98	12/3/98	G89_T, RI, 1998-present structure book info.	stage / tech pub	dbhydro	e-mail
862	government	11/30/98	12/4/98	S2, S2_H, S2-4, S2-3, S2-2, S2-1, flow id list	flow / stage / operations	sql script	e mail / ftp remo
863	SFWMD	12/2/98	12/4/98	1978-1986, St. Lucie County, format 6	rain	dbhydro	e-mail
864	government	12/2/98	12/4/98	19980101-19981205, MRF and PLU, archive	rain	extract	ftp remo
865	private	12/7/98	12/7/98	Lat 282000-283500 / Lon 800000-801000, 1998, test #7, Lake Worth area	water quality	sql script	e-mail
866	SFWMD	12/7/98	12/7/98	KRCN+NS, 1997-present, POR, February and March 1998	well	extract	e-mail
867	university	12/7/98	12/7/98	S334_H, _T, +H, +T; S335 _H, _T, +H, +T; S336+H, +T, hourly, 1998-present	stage	lvg	ftp remo
868	consulting/engineering	12/7/98	12/7/98	S69, dbkey 05065, format 2, POR	rain	dbhydro	e-mail
869	SFWMD	12/8/98	12/8/98	KRCN+ND, S85C+AP, KRCN+NM, KRCN+NS	well / barometric pressure	lvg / extract	e-mail
870	consulting/engineering	12/8/98	12/8/98	dbdkeys: stage 16244, flow 16245	flow / stage	dbhydro	e-mail
871	university	12/8/98	12/8/98	CA1-7, CA2-17, SB-4, 1998, format 2	stage	dbhydro	e-mail
872	university	12/8/98	12/8/98	G211+H, G211+T, hourly, 1998-present	stage	lvg	e-mail
873	university	12/8/98	12/8/98	WCA3A area, Lat 260000-261700 / Lon 803400-804500 , format 8, 1997-present	rain / stage	dbhydro	e-mail
874	university	11/25/98	12/8/98	3A-4, dbkey 07533, 1997-present, GA54@H, breakpoint	stage	sql script	e-mail
875	government	12/4/98	12/8/98	West Palm Beach Canal C-51, State Road 80, PS-383, PS-319 , POR	water quality	sql script	ftp remo
876	student	12/1/98	12/9/98	data directory, info water quality and flood control	water quality	iweb	e-mail
877	SFWMD	12/9/98	12/9/98	S169_H, 19981105-19981107, archive, breakpoint	stage	extract	e-mail
878	government	12/8/98	12/9/98	NP-TSH, POR, format 8	stage	dbhydro	ftp remo
879	government	12/8/98	12/9/98	Dade County stage sites WMD, info list	stage	dbhydro	e-mail
880	government	12/10/98	12/10/98	Lat <254000, daily sum, 1998 data, Homestead and South	rain	dbhydro	e-mail
881	government	12/10/98	12/10/98	Lat 265000-270000 / Lon 800000-802000, WQ, POR	water quality	sql script	diskette 1
882	government	12/10/98	12/10/98	Lat 265000-270000 / Lon 800000-802000	flow	dbhydro	diskette-1
883	SFWMD	12/10/98	12/10/98	ENR001, ENR011, POR, select test #5 TP	water quality	sql script	e-mail
884	government	12/10/98	12/10/98	ENR102, ENR204, WQ	water quality	sql script	diskette1
885	private	12/10/98	12/10/98	township 53/54, ranges 40/41/42, Miami area, 1995, format 1	rain	dbhydro	e-mail
886	SFWMD	12/10/98	12/10/98	S80, 1998	flow	dbhydro	e-mail
887	university	12/10/98	12/10/98	C103 basin flow sites, S198%, S187%, S179%, S156%	flow	dbhydro	ftp remo
888	private	11/30/98	12/11/98	Lake Worth, monthly, Lat 261500-263000 / Lon 800000-801000, format 2	rain	dbhydro	e-mail
889	government	12/10/98	12/11/98	S5A, S5AE, 08 field cond, 14 lab cond, 32 tot chloride, 33 tot sulfate, 15 lab pH	water quality	sql script	ftp remo
890	consulting/engineering	12/11/98	12/11/98	S44, S155, structure book info, max, dbkeys 12865, 12862, 12840	stage / tech pub	iweb / dbhydro	e-mail
891	university	12/14/98	12/14/98	NP_P33, Sp_T, G_586_B, G_620_B, C4,Coral, C6,NW38, 3A-28 , POR, format 2	stage	dbhydro	e-mail
892	consulting/engineering	12/14/98	12/14/98	Lat 263900-264200 / 801700-802300, info list S5A area	flow / water quality	sql script / dbhydro	e-mail
893	government	12/11/98	12/14/98	1998 data archive, run new list of active sites	rain	extract / dbhydro	ftp remo
894	consulting/engineering	12/14/98	12/16/98	C139_TP.SQL, EAA_TP.SQL, ENP_TP.SQL, STA_TP.SQL, TPO4	water quality	sql script	ftp remo
895	consulting/engineering	12/15/98	12/15/98	C139_q.cmd, eaa_q.cmd, eaa_r.cmd, enp_qs.cmd, sta_qs.cmd	rain / flow / stage	dbhydro	ftp remo
896	consulting/engineering	12/15/98	12/15/98	S333%, 19980830-present	flow	dbhydro	ftp remo
897	government	12/15/98	12/15/98	S25_H, S25B_H, _T, G118_H, _T, S336_H, _T, G83_H, 19980916-19981107	stage / tech pub	iweb / extract	e-mail / ftp remo
898	private	12/15/98	12/15/98	township 48/47/48, range 41/42/43, MRF 383, GIS map #10...	rain / GIS map	GIS / dbhydro / extract	printout
899	consulting/engineering	12/17/98	12/17/98	AIRT info list SFWMD	air temp	dbhydro	e-mail
900	government	12/17/98	12/17/98	S351, S352, S5AE, S5AP, S5AS, S5AW	operations	lvg	ftp remo
901	consulting/engineering	12/17/98	12/17/98	NJBB, S191, DAVIEZ, Mobley, Okee FS, POR, format 6	rain / flow / stage	dbhydro	e-mail / ftp remo
902	consulting/engineering	12/15/98	12/17/98	S191, TCNS 213, 214, 225, 227, 228, 241, 248, 252, 255, ARS11, POR	water quality	sql script	e-mail / ftp remo
903	consulting/engineering	12/17/98	12/17/98	ENR001, POR, WQ TPO4	water quality	sql script	e-mail
904	government	12/18/98	12/18/98	location info OF, WQ site ISTK7	water quality	sql script	phone
905	government	12/21/98	12/21/98	ENR003, ENR005, ENR201, ENR 011, G259_H, G259_T, 1998	stage	dbhydro	ftp remo
906	government	12/22/98	12/22/98	ENR003, ENR005, ENR201, ENR011, G257_T, POR	stage	dbhydro	ftp remo
907	government	12/23/98	12/23/98	ENR301B, ENR301D, ENR301W	water quality	sql script	ftp remo
908	university	12/23/98	12/23/98	S22, S123, S21, S2A, S20G, S20F, S197	flow / stage / operations	hydrograph	ftp remo
909	SFWMD	12/23/98	12/23/98	Thiessen weighted ENR rainfall	rain	tech pub	e-mail
910	consulting/engineering	12/28/98	12/28/98	township 50/51, ranges 41/42, Lat 260000-261000 / Lon 800000-802000, 1984-present	stage	iweb / dbhydro	e-mail
911	government	12/29/98	12/29/98	Lat 254836-263234 / Lon 801806-804332, info list of well sites	well	dbhydro	e-mail
912	government	12/29/98	12/29/98	Lat 254836-263234 / Lon 801806-804332, info list of WQ types and locations	water quality	sql script	e-mail
913	government	12/29/98	12/29/98	info list of hydro data available in Polk, Highland and Orange counties	all hydro types	dbhydro	e-mail
914	SFWMD	12/30/98	12/30/98	DUPUIS 3, DUPUIS 4, POR	stage	dbhydro	e-mail
915	consulting/engineering	12/1/98	12/3/98	Rainfall S-44, S48 rainfall data	rain	dbhydro	FAX
916	agriculture	12/3/98	12/3/98	Solar radiation ,relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
917	consulting/engineering	12/8/98	12/8/98	Rainfall Selected Areas 1987/1988	rain	dbhydro	e-mail
918	agriculture	12/8/98	12/8/98	Solar radiation ,relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
919	agriculture	12/10/98	12/10/98	Solar radiation ,relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
920	private	12/18/98	12/23/98	Rainfall data period of record selected area	rain	dbhydro	printout
921	government	12/18/98	12/23/98	Operation Discharge S65BX2	flow	dbhydro	printout
922	agriculture	12/14/98	12/14/98	Solar radiation ,relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail
923	agriculture	12/21/98	12/21/98	Solar radiation ,relative humidity, wind speed and air temperature	meteorological data	dbhydro	e-mail

APPENDIX II
REMOTE ELECTRONIC ACCESS CONTRACTS

Appendix II. Remote Electronic Access contracts

CLIENT #	CLIENT TYPE	LOCATION	DATE	USERS
C-R001	consulting / engineering	Gainesville	04/25/95	1
C-R002	consulting / engineering	Gainesville	04/25/95	1
C-R003	consulting / engineering	Fort Myers	06/01/95	1
C-R004	consulting / engineering	West Palm Beach	06/06/95	1
C-R005	government	Jupiter	06/19/95	1
C-R006	other	Hollywood	01/16/96	2
C-R007	university	Durham, NC	10/31/95	1
C-R008	consulting / engineering	Pembroke Pines	11/08/95	5
C-R009	consulting / engineering	Holmes Beach	11/08/95	1
C-R010	government	Pompano Beach	01/16/96	4
C-R011	consulting / engineering	Jupiter	02/07/96	1
C-R012	consulting / engineering	Miami	01/16/96	1
C-R013	consulting / engineering	Fort Myers	01/16/96	5
C-R014	consulting / engineering	Jacksonville	01/16/96	2
C-R015	consulting / engineering	Sterling, VA	01/16/96	3
C-R016	government	Coral Gables	03/21/96	4
C-R017	N/A	N/A	N/A	N/A
C-R018	government	Tallahassee	04/23/96	3
C-R019	government	West Palm Beach	02/26/96	4
C-R020	government	St. Petersburg	03/21/96	4
C-R021	consulting / engineering	Jupiter	03/25/96	5
C-R022	university	Miami	04/29/96	4
C-R023	government	Greenbelt, MD	03/21/96	3
C-R024	university	Baton Rouge, LA	03/21/96	4
C-R025	other	North Palm Beach	04/23/96	4
C-R026	consulting / engineering	Palm Beach Gardens	04/23/96	2
C-R027	university	Boca Raton	04/23/96	4
C-R028	government	Hollywood	05/28/96	2
C-R029	government	Ocala	06/12/96	1
C-R030	university	Gainesville	06/12/96	2
C-R031	consulting / engineering	Tallahassee	06/12/96	4
C-R032	government	St. Petersburg	6/24/96	4
C-R033	university	Gainesville	07/16/96	1
C-R034	government	Vicksburg, MS	07/16/96	6
C-R035	consulting / engineering	Lutz	08/02/96	1
C-R036	government	Miami	08/15/96	11
C-R037	consulting / engineering	West Palm Beach	08/02/96	5
C-R038	consulting / engineering	Tampa	09/18/96	5
C-R039	consulting / engineering	Belle Glade	09/18/96	1
C-R040	government	Miami	09/18/96	2
C-R041	government	Melbourne	11/04/96	1
C-R042	consulting / engineering	Naples	11/14/96	6
C-R043	consulting / engineering	Ft. Myers	12/19/96	5
C-R044	consulting / engineering	Orlando	12/31/96	4
C-R045	consulting / engineering	Orlando	01/07/97	4
C-R046	consulting / engineering	Miami	02/06/97	1
C-R047	consulting / engineering	West Palm Beach	02/06/97	3
C-R048	government	Ochopee	02/18/97	5

Appendix II. Remote Electronic Access contracts

CLIENT #	CLIENT TYPE	LOCATION	DATE	USERS
C-R049	government	Lake Placid	03/28/97	3
C-R050	consulting / engineering	Miami	03/13/97	1
C-R051	consulting / engineering	Punta Gorda	03/10/97	5
C-R052	government	Homestead	04/08/97	6
C-R053	government	Jacksonville	04/08/97	5
C R054	consulting / engineering	Tequesta	04/08/97	1
C-R055	N/A	N/A	N/A	N/A
C-R056	government	Cape Coral	05/15/97	1
C-R057	consulting / engineering	Waterloo, Canada	04/08/97	2
C-R058	consulting / engineering	Gainesville	05/15/97	4
C-R059	consulting / engineering	Deerfield Beach	05/19/97	4
C-R060	consulting / engineering	Gainesville	06/12/97	1
C-R061	consulting / engineering	Ft. Pierce	06/12/97	2
C-R062	government	Miami	06/30/97	10
C-R063	university	Miami	06/30/97	3
C-R064	university	Miami	07/10/97	2
C-R065	consulting / engineering	Palm Beach Gardens	07/24/97	1
C-R066	government	Washington, DC	07/24/97	5
C-R067	other	Winter Park	07/24/97	2
C-R068	government	Reston, VA	08/21/97	5
C-R069	consulting / engineering	Davie	09/05/97	1
C-R070	consulting / engineering	Ann Arbor, MI	09/08/97	2
C-R071	consulting / engineering	Gainesville	09/24/97	1
C-R072	other	Miami	09/24/97	3
C R073	consulting / engineering	Boise, ID	10/28/97	1
C-R074	consulting / engineering	St. Petersburg	11/07/97	3
C R075	university	Knoxville, TN	11/07/97	1
C-R076	consulting / engineering	Lake Worth	11/19/97	5
C-R077	consulting / engineering	West Palm Beach	12/16/97	1
C-R078	government	Boynton Beach	12/16/97	3
C-R079	university	Gainesville	12/24/97	2
C-R080	consulting / engineering	West Palm Beach	12/16/97	1
C-R081	government	Wellington	12/16/97	5
C-R082	consulting / engineering	Miami	01/08/98	1
C R083	consulting / engineering	Boca Raton	03/27/98	3
C-R084	consulting / engineering	Sacramento, CA	03/03/98	1
C-R085	consulting / engineering	West Palm Beach	03/27/98	7
C R086	consulting / engineering	Naples	05/06/98	1
C-R087	consulting / engineering	Orlando	05/21/98	1
C-R088	consulting / engineering	Santa Fe, NM	05/21/98	2
C-R089	government	Avon Park AFR	06/08/98	5
C R090	consulting / engineering	Jacksonville	05/26/98	5
C-R091	university	Gainesville	06/26/98	5
C-R092	consulting / engineering	Gainesville	06/26/98	4
C-R093	government	Naples	07/07/98	3
C R094	government	Port Saint Lucie	07/13/98	1
C R095	university	Miami	07/28/98	4
C-R096	government	Eustis	08/06/98	4
C-R097	N/A	N/A	N/A	N/A

Appendix II. Remote Electronic Access contracts

CLIENT #	CLIENT TYPE	LOCATION	DATE	USERS
C-R098	government	Middleton, WI	08/20/98	3
C-R099	consulting / engineering	Naples	08/20/98	5
C-R100	consulting / engineering	Gainesville	09/0/98	5
C-R101	government	West Palm Beach	10/12/98	3
C-R102	government	Ft. Lauderdale	11/30/98	5
C-R103	consulting / engineering	Weston	11/30/98	1
C-R104	government	Sebring	01/29/99	2
C-R105	consulting / engineering	Gainesville	03/23/99	5
C-R106	consulting / engineering	Miami	05/17/99	4
C-R107	government	St. Petersburg	04/28/99	6
C-R108	university	Tallahassee	05/24/99	2

APPENDIX IIIa, b, c, d & e
EXTERNAL DATA ACQUISITIONS

Appendix IIIa.

EVERGLADES NATIONAL PARK

ENP - HYDROLOGICAL MONITORING STATION NETWORK

SFWMD Name	ENP File ID	Full Name Description	Latitude Deg:Min:Sec	Longitude Deg:Min:Sec
NP-112	112	E112	25:25:22.8N	80:35:55.3W
NP-127	127	R127	25:21:15.4N	80:36:23.5W
NP-146	146	E146	25:15:18.0N	80:40:01.0W
NP-158	158	R158	25:23:45.7N	80:34:41.4W
NP-201	201	NP201	25:43:04.6N	80:43:10.7W
NP-202	202	NP202	25:39:47.2N	80:42:31.6W
NP-203	203	NP203	25:37:26.3N	80:44:20.5W
NP-205	205	NP205	25:41:22.8N	80:50:53.4W
NP-206	206	NP206	25:32:43.5N	80:40:20.3W
NP-207	207	NP207	25:17:08.0N	80:41:19.0W
NP-311	311	R3110, G3110	25:26:50.5N	80:37:35.5W
NP-31W	31W	L31W, L31W Canal, Due East of NT1	25:26:17.6N	80:35:24.0W
NP-A13	A13	A13	25:29:54.8N	80:42:46.4W
NP-C27	C27	CT27R, C111 Cut # 27 Recorder	25:18:07.6N	80:29:19.9W
NP-C50	C50	CT50R, C111 Cut # 50 Recorder	25:18:49.5N	80:31:16.5W
NP-CHP	CHP	CP,Craighead Pond	25:13:44.0N	80:42:15.0W
NP-CR2	CR2	Context Road 2	25:29:59.6N	80:37:19.6W
NP-CR3	CR3	Context Road 3	25:29:52.8N	80:39:47.4W
NP-CT3R	CT3R	CT3R, C111 Cut # 3 Recorder	25:17:25.0N	80:27:17.6W
NP-CV1N	CV1N	C111 Culvert # 1 North	25:17:30.3N	80:27:14.8W
NP-CV1S	CV1S	C111 Culvert # 1 South	25:17:30.3N	80:27:14.8W
NP-CV2N	CV2N	C111 Culvert # 2 North	25:17:45.0N	80:27:56.4W
NP-CV2S	CV2S	C111 Culvert # 2 South	25:17:45.0N	80:27:56.4W
NP-CV3N	CV3N	C111 Culver # 3 North	25:17:52.0N	80:28:17.9W
NP-CV3S	CV3S	C111 Culvert #3 South	25:17:52.0N	80:28:17.9W
NP-CV4N	CV4N	C111 Culver #4 North	25:18:02.9N	80:28:45.1W
NP-CV4S	CV4S	C111 Culvert #4 South	25:18:02.9N	80:28:45.1W
NP-CV5N	CV5N	C111 Culver #5 North	25:18:14.1N	80:29:18.4W
NP-CV5S	CV5S	C111 Culvert # 5 South	25:18:11.3N	80:29:14.9W
NP-CV6N	CV6N	C111 Culvert # 6 North	25:18:22.7N	80:29:43.7W
NP-CV6S	CV6S	C111 Culvert # 6 South	25:18:22.7N	80:29:43.7W
NP-CV7N	CV7N	C111 Culvert # 7 North	25:18:29.5N	80:30:04.1W
NP-CV7S	CV7S	C111 Culvert # 7 South	25:18:29.5N	80:30:04.1W
NP-CV8N	CV8N	C111 Culvert # 8 North	25:18:43.4N	80:30:45.0W
NP-CV8S	CV8S	C111 Culvert # 8 South	25:18:43.4N	80:30:45.0W
NP-CV9N	CV9N	C111 Culvert # 9 North	25:18:51.2N	80:31:06.2W
NP-CV9S	CV9S	C111 Culvert # 9 South	25:18:51.2N	80:31:06.2W
NP-CY2	CY2	Cypress No. 2	25:19:44.0N	80:40:59.0W
NP-CY3	CY3	Cypress No. 3	25:19:44.9N	80:45:03.5W
NP-DO1	DO1	Donut No. 1	25:22:23.6N	80:41:28.1W
NP-DO2	DO2	Donut No. 2	25:23:22.6N	80:44:40.7W
NP-EP12R	E12	EP12R, Eastern Panhandle #12 Recorder	25:16:26.1N	80:26:43.1W
NP-EP1	EP1	EP1R, Eastern Panhandle #1 Recorder	25:17:15.1N	80:27:11.4W
NP-EP10	EP10	Eastern Panhandle # 10	25:16:23.3N	80:31:38.1W
NP-EP11	EP11	Eastern Panhandle # 11	25:16:23.1N	80:29:30.7W
NP-EP12R	EP12	Eastern Panhandle # 12	25:16:26.1N	80:26:43.1W
NP-EP9R	EP9	EP9R, Eastern Panhandle #9 Recorder	25:16:19.8N	80:33:16.6W
NP-EPG	EPG	EPGW,Eastern Panhandle Groundwater	25:16:48.5N	80:30:12.2W
NP-EPGW	EPGW	EPGW,Eastern Panhandle Groundwater	25:16:48.5N	80:30:12.2W
NP-EPR	EPR	EPGW/SW Rain	25:16:48.5N	80:30:12.2W
NP-EPS	EPS	EPSW, Eastern panhandle Surfacewater	25:16:48.5N	80:30:12.2W
NP-EV6	EV6	EVER6	25:17:53.5N	80:30:43.4W
NP-EV7	EV7	EVER7	25:18:35.0N	80:32:34.4W
NP-EV8	EV8	EVER8	25:20:45.8N	80:28:44.2W

ENP - HYDROLOGICAL MONITORING STATION NETWORK

SFWMD Name	ENP File ID	Full Name Description	Latitude Deg:Min:Sec	Longitude Deg:Min:Sec
NP-EVC	EVC	Everglades City Rngr Sta (NOAA Rpt)	25:51:11.4N	81:22.50.1W
NP-FLA	FLA	Flamingo Rngr Sta (NOAA Rpt)	25.08.29.0N	80:54:53.0W
NP-FMB	FMB	Forty Mile Bend, Tamiami Rngr Sta	25:45:30.9N	80:49.42.5W
NP-N10	N10	NTS10, North Taylor Slough # 10	25.27.42.0N	80:36:19.0W
NP-N14	N14	NTS14, North Taylor Slough #14	25:25:03.0N	80:38.21.0W
NP-NE1	NE1	NI SRS1	25:41.29.9N	80.38:06.2W
NP-NMP	NMP	Nine Mile Pond	25.15:13.5N	80:47:55.2W
NP-NTS1	NT1	NTS1, North Taylor Slough # 1	25:26:17.1N	80:35.35.3W
NP-NTS3	NTS3	North Taylor Slough # 3	25:26:16.0N	80.35:60.0W
NP-NTS5	NTS5	North Taylor Slough # 5	25.26:16.0N	80:36:43.0W
NP-OAS	OAS	Oasis Rngr Sta (NOAA Rpt)	25:51:25.6N	81:02:05.7W
NP-OT3	OT3	OT,O3,Ornithology Transect	25.34.47.0N	80:57:54.0W
NP-P33	P33	P33	25:36:53.9N	80:42.09.3W
NP-P34	P34	P34	25.36.31.6N	80:56:27.6W
NP-P35	P35	P35	25:27:39.4N	80:51.53.3W
NP-P36	P36	P36	25:31:42.4N	80.47:45.0W
NP-P37	P37	P37 & NP207 combined	25.17:08.0N	80:41:19.0W
NP-P38	P38	P38	25:22:14.4N	80:50.00.9W
NP-P44	P44	NP44	25:26:04.0N	80.43.14.0W
NP-P46	P46	NP46	25:19:10.0N	80.47:46.0W
NP-P62	P62	NP62	25.26:22.0N	80:46:59.0W
NP-P67	P67	NP67	25:19:50.0N	80:39.02.0W
NP-P72	P72	NP72	25.23:45.0N	80:42:12.0W
NP-RCR	RCR	Research Center, RC, NADP	25:23:23.6N	80:40.51.2W
NP-RG1	RG1	Rocky Glades 1	25.34:57.6N	80:36:29.4W
NP-RG2	RG2	Rocky Glades 2	25:32:37.8N	80.36:22.4W
NP-ROB	ROB	Robblee	25.26.26.5N	80:33:07.8W
NP-RPL	RPL	Royal Palm, RPLM (NOAA Rpt)	25:23:10.0N	80:35:38.0W
NP-SP1	SP1	Sisal Pond 1	25:23:23.9N	80:47.51.7W
NP-TMC	TMC	Ten Mile Corner	25:36:54.8N	80:52.21.1W
NP-TSB	TSB	Taylor Slough Bridge	25:24.05.0N	80.36:25.0W
NP-TSH	TSH	Taylor Slough Hilton	25.18:43.8N	80:37:51.6W

Appendix IIIb.

UNITED STATES GEOLOGICAL SURVEY

USGS - HYDROLOGIC MONITORING STATION NETWORK

SFWMD Name	USGS File ID	Full Name Description	Latitude Deg:Min:Sec	Longitude Deg:Min:Sec
S-308_L	02276870	Port Mayaca Lock	265906	803706
FISHP_O	02256500	Fisheating Creek at Palmdale	265556	811854
INDUST	264514080550700	Industrial Canal at Clewiston	264514	805507
S-352	02278000	HGS-5 Hurricane Gate on Lake Okeechobee	265149	803756
S-65	02268903	S-65 Gate Opening from USGS	274803	811154
S-65E	02273000	S-65E Spillway/Lock on C-38 at	271330	805746
S-77_T	02292000	S-77 Spillway and Lock on Caloosahatchee	265020	810508
L8.441	265501080364900	L-8 Canal at US Highay 441 near Canal	265501	803649
S-2	02283498	Combined S-2 and HGS-4 Stations at Hills	264200	804259
S-3	02286400	Miami Canal at HGS-3 and S-3 at Lake	264155	804827
S12A_S	254543080491101	S-12A Spillway on Levee L-29 at	254541	804918
S12B_S	02289019	S-12B Spillway on Levee L-29 at	254541	804612
S12C_S	02289041	S-12C Spillway on Levee L-29 at	254542	804338
S12D_S	254543080405401	S-12D Spillway on Levee L-29 at	254543	804054
S12_T	02289040	Tamiami C Outlets L67A to 40 Mile Bend	254542	804334
S333	02289050	Tamiami Canal below S-333 near Miami	254542	804028
S332	252523080352500	S-332 Pump Station on L-31W Borrow Canal	252517	803524
S18C	02290769	Canal 111 at S-18C near Florida City	251949	803131
1-7	263180080205001	CA 1-7 Corps Rain/Well in Center of	263133	802020
1-8C	263000080120001	CA1-8C Corps Stage in Levee L-40 near	262955	801321
1-9	262750080175001	CA 1-9 Corps Rain/Well in Southeast	262741	801728
S5A+S5AW_T	02278450	West Palm Beach Canal above S-5a	264105	802215
S-6	02281200	Hillsboro Canal at S-6 near Shawano	262819	802645
S-7	02284300	North New River Canal at S-7 at Terrytown	262008	803213
S-150	262007080321500	S-150 Culvert on Levee L-5 at	262002	803222
S-8	02286700	S-8 Pump and Spillway on Miami Canal at	261955	804268
G-88	02289032	CMP Culvert in Northwest Corner of Water	261952	805251
G-136	02289027	L-1 Control Culvert at Bend in	264003	805657
L28U_O	261543080495000	L-28 Interceptor below S-190 near Clewiston	261531	805714
L28IN_O	261533080571600	L-28 Interceptor below S-190 near Clewiston	264531	805714
L28IS_O	260823080524100	L-28 Interceptor South at Collier Border	260821	805240
SWEVER2B	251855080283400	South West Everglades 2-B (Surface) Paired	251855	802834
L67EX.E_B	254100080402200	North East Shark Slough East of L67EXT	254100	804022
PB1661	262410080090801	Monitor USGS Observation Well in Boca	262408	800908
PB1639	263656080033502	USGS Observation Well in Lake Worth	263654	800335
PB-88_G	263652080033801	PB-88	263652	800338
PB-99_G	264005080033501	PB-99	264005	800335
PB-1660	262415080074501	USGS Monitor Well in Boca Raton	262416	800745
PB-1495_G	262435080043002	USGS Observation Well at Boca Raton	262435	800430
PB900_G	262534080085102	Carter Road 2 Miles South of Atlantic Delray	262534	800851
PB-109	264841080114901	PB-109	264841	801149
PB-1515_G	263540080112101	USGS Observation Well at Lantana	252750	802834
PB-1494_G	262424080074701	USGS Observation Well at Boca Raton	252750	802834
G-1222_G	260025080230401	USGS Observation Well near Pembroke	260025	802304
G-616_G	261710080135001	USGS Observation Well near Coral Springs	261710	801350
G-2030_G	261837080163001	USGS Observation Well near Fort Lauderdale	261837	801630
G-1472_G	255916080085401	USGS Observation Well at Hallendale	255916	800854
G-1322_G	260253080184801	USGS Observation Well near Cooper City	260253	801848
G-2275_G	261150080094602	USGS Observation Well near Oakland Park	261150	800946
G-2444_G	261238080105501	G-2444	261238	801055
G-2443_G	261337080103401	G-2443	261337	801034
G-1262_G	261152080115201	USGS Observation Well at Margate	261152	801152

USGS - HYDROLOGIC MONITORING STATION NETWORK

SFWMD Name	USGS File ID	Full Name Description	Latitude Deg:Min:Sec	Longitude Deg:Min:Sec
G-2148_G	261458080070301	USGS Observation Well near Pompano	261458	800703
G-613_B	252425080320001	G-613	252425	803200
G-799_G	254202080232601	USGS Observation Well near South Miami	254202	802326
G-972_G	255522080261401	USGS Observation Well near Hialeah	255522	802614
G-858_G	253854080242801	USGS Observation Well near Miami	253854	802428
G 974_G	255207080241301	USGS Observation Well near Pennsuco	255207	802413
G-594_G	255250080270801	G-594	255250	802708
NP-201	02290861	Everglades 201-NP near Miami	254305	804333
NP-33	02290815	Everglades P-33 near Homestead	253630	804130
NP 206	02290811	Everglades 206-NP near Miami	253242	804022
NP-36	02290828	Everglades P-36 near Homestead	253139	804745
TLISO	02290800	Taylor Slough near Homestead	252405	803625
NP-207	02290810	Everglades 207 near Homestead	602888	346138
L67E.S	253735080402100	Levee 67 Extended at South End near	253735	804021
NP-202	02290862	Everglades 202-NP near Miami	253940	804245
ROBLK	02290950	Roberts Lake Slough near Monroe	254705	810500
2A 159	262300080263501	CA2A 159 Well in North Central Conservation	262247	802642
L28	02289037	Levee 28 Tie Back	260020	805230
C-296_G	260640081204301	50S30E 18 C 296	260640	812043
C-495_G	255748081181801	52S30E09 C-495	255748	811818
S-65H	02268903	S-65 Gate Opening from USGS	274803	811154
3-99	260810080222001	Site 99 near L-35A in Conservation Area 2B	260821	802202
S80_T	02277000	S-80 Spillway and Lock on St. Lucie Canal	270639	801706
S79_T	02292900	S-79 Spillway and Lock on Caloosahatchee	264325	814155
L OKEE	02276400	Lake Okeechobee No Name #1	265700	805000
3A-28	02289043	CA3A-28 Corps Well in Conservation Area	254843	804320
3A 3	02286998	CA3A-3 Corps Well in Conservation Area 3A	261118	803209
3A-4	02286970	CA3-4 Corps Well in Conservation 3A Marsh	255824	804018
1-8T	263050080145001	CA1-8T Corps Telemetry Stage East of	262956	801338
S2 HILLS	02280500	Hillsboro Canal below HGS-4 near South Bay	264200	804259
S2 NNR	02283500	North New River Canal Below HGS-1 near	264200	804259
S5AS+L-W_O	02278550	Levee 8 Canal at West Palm Beach Canal	264101	802151
S5A+S5AS_T	02278500	Diversions to Conservation Area 1 at S-5A	264100	802210
S5AE_C	02278600	S 5AE Culvert on Canal c-51 at Levee L-8	264105	802149
2-15	262400080250001	Site 15 near L 39 in Conservation Area	262554	802456
2 17	262240080258001	Site 17 near L-38 in Conservation Area	261711	802440
2-19	261710080190001	Site 19 in Conservation Area 2A	261655	801823
3 34	255215080291000	Site 34 near L-30 in Conservation Area	255215	802910
3-62	261023080443001	Site 62 in Conservation Area 3A	261028	804505
3 63	261117080315701	Site 63 in Conservation Area 3A	261119	803152
3-64	255828080401301	Site 64 in Conservation Area 3A	255831	804010
3-65	254848080432001	Site 65 in Conservation Area 3A	254852	804312
3 69	255300080370001	Site 69 in Conservation Area 3B	255300	803700
3-71	255250080335001	Site 71 in Conservation Area 3B	255304	803325
3-76	260037080303401	Site 76 in Conservation Area 3B	260027	802858
FT DRUM	02231342	Fort Drum Creek at Sunshine Street	273406	804747
L3	02289030	Levee 3 Canal near Clewiston	262550	805650
L3 2	262310080555001	L-3 Canal near Clewiston midway	262310	805550
L3.2A	262310080555002	L 3 Canal near Clewiston	262310	805550

Appendix IIIc. **NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**

NOAA - CLIMATIC MONITORING STATION NETWORK

SFWMD Name	NOAA File ID	Full Name Description	Latitude Deg:Min:Sec	Longitude Deg:Min:Sec
ARCADIA_R	Pc80228a	Arcadia	271400	815200
ARCHBO 2_R	Pc80236a	Archbold Biological Station	271053	812603
AVON PRK_R	Pc80369a	City Of Avon Park	273527	813108
BARTOW_R	Pc80478a	Bartow	275359	815037
BELLE GL_E	Ev80611a	Belle Glade Experiment Station	263924	803748
BELLE GL_R	Pc80611a	Belle Glade Experiment Station	263924	803748
CANAL P2_R	Pc81276a	Canal Point Usda	265204	803737
CLERMONT_R	Pc81641a	Clermont	282847	814652
CLEW_E	Ev81654a	Clewiston	264500	805500
CLEW_R	Pc81654a	Clewiston	264500	805500
DESOTO C_R	Pc82288a	Desoto City 8SW	272245	813026
DEVILS_R	Pc82298a	Devil's Garden Tower	263609	810743
EVERGL 2_R	Pc82850a	Everglades	255042	812314
FLAMIN 2_R	Pc83020a	Flamingo	250829	805453
FORT DRU_R	Pc83137a	Fort Drum 5NW	273500	805000
FORT LAU_R	Pc83163a	Fort Lauderdale	260604	801200
FT MEYER_R	Pc83186a	Fort Myers	263450	815152
FORT PIE_R	Pc83207a	Fort Pierce	272615	802100
HIALEAH_E	Ev83909a	Hialeah	254938	801710
HIALEAH_R	Pc83909a	Hialeah	254938	801710
HILLSBOR_R	Pc83986a	Hillsborough River State Park	280839	821329
IMMOKA 3_R	Pc84210a	Immokalee 3nnw	262740	812615
KEY WE 2_R	Pc84570a	Key West Wso Airport	243300	814500
KISS 2_R	Pc84625a	Kissimmee 2	281658	812508
LA BELLE_R	Pc84662a	La Belle	264510	812620
L ALF EX_E	Ev84707a	Lake Alfred Exper	280600	814300
L ALF EX_R	Pc84707a	Lake Alfred Exper	280600	814300
LAKELA 5_R	Pc84797a	Lakeland WB City	280200	815700
LISBON_E	Ev85076a	Lisbon	285200	814700
LISBON_R	Pc85076a	Lisbon	285200	814700
MELBOURN_R	Pc85612a	Melbourne	280400	803700
MIAMI BE_R	Pc85658a	Miami Beach	254648	800749
MIAMI.AP_R	Pc85663a	Miami Airport Wsmo Ap (Noaa Sta	254900	801700
HGS1_E	Ev85895a	HGS-1 Hurricane, Moore Haven	265022	810515
HGS1_R	Pc85895a	HGS-1 Hurricane, Moore Haven	265022	810515
MOUNTIN_R	Pc85973a	Mountain Lake	275615	813604
NAPLES_R	Pc86078a	Naples	261004	814724
HGS6_R	Pc86485a	HGS-6/S-193 Hurricane Gate On Taylo	271225	804746
ORLAN AP_R	Pc86628a	Orlando WB Airport	283300	812000
PLANT CI_R	Pc87205a	Plant City	280100	820800
POMPANOB_R	Pc87254a	Pompano Beach	261400	800900
PUNTA G4_R	Pc87397a	Punta Gorda 4	265456	820000
ROYAL PA_R	Pc87760a	Royal Palm Ranger	252310	803539
	Pc87982a	Sanford		
STUART 1_R	Pc88620a	Stuart 1N	271200	801500
TAMITR40_E	Ev88780a	Tamiami Trail At 40 Mile Bend	254536	804930
TAMITR40_R	Pc88780a	Tamiami Trail At 40 Mile Bend	254536	804930
TAVERNIE_R	Pc88841a	Tavernier	250013	803110
TITUSVIL_R	Pc88942a	Titusville 2W	283700	805000
VERO 4W_E	Ev89219a	Vero Beach 4W	273748	802736
VERO 4W_R	Pc89219a	Vero Beach 4W	273748	802736
	Pc89401a	Wauchula		
WPB AIRP_R	Pc89525a	West Palm Beach Airport	264040	800636
WINTERHA_R	Pc89707a	Winterhaven	280047	814449

Appendix IIId.

UNITED STATES ARMY CORPS OF ENGINEERS

COE - MONITORING STATION NETWORK

SFWMD Name	COE File ID	Full Name Description	Latitude Deg:Min:Sec	Longitude Deg:Min:Sec
CA3AVG	CA3AVG	Conservation Area 3 (3 Gage Ave)	254843	804320
S10A_C	S10A	S 10a Culvert On Hillsboro Canal	262134	801845
S10C_C	S10C	S-10c Culvert On Hillsboro Canal	262217	802109
S10D_C	S10D	S-10d Culvert On Hillsboro Canal	262318	802255
S11A_C	S11A	Culvert On Levee L-38w Fr	261036	802656
S11B_S	S11B	Spillway In Levee L-38w F	261208	802716
S11C_S	S11C	Spillway In Levee L-38w F	261345	802737
S12_T	S12_T	Mi C Outlets L67a To 40 Mi	254542	804334
S12A_S	S12A	Spillway On Levee L-29 At	254541	804918
S12B_S	S12B	Spillway On Levee L-29 At	254541	804612
S12C_S	S12C	Spillway On Levee L 29 At	254542	804338
S12D_S	S12D	Spillway On Levee L-29 At	254543	804054
S308_R	S308	Port Mayaca Lock Rainfall (Corp	265906	803706
S308_S	S308	S-308 Spillway (Only) On St. Lucie	265906	803706
S77_R	S77	S 77 Spill. & Lock On Caloosaha	265020	810508
S77_S	S77	S-77 Spillway (Only) On Caloosa	265020	810508
S78_R	S78	S 78 Spillway & Lock On Caloosa	264722	811811
S78_S	S78	S-78 Spillway On Caloosahatchee	264722	811811
S79_R	S79	S-79 Spillway & Lock On Caloosa	264325	814155
S79_S	S79	S-79 Spillway(Only) On Caloosah	264325	814155
S80_R	S80	S-80 Spillway And Lock On St.Lucie	270639	801706
S80_S	S80	S-80 Spillway (Only) On St. Lucie	270639	801706