

Special Publication ; SJ 86-SP1

**ANNUAL REPORT ON UNCONTROLLED
FREE-FLOWING ARTESIAN WELLS**

1985

Free-Flowing Well Plugging Program

By

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St. Johns River Water Management District

Palatka, Florida

December 1985

Project Number 20 018 02

TABLE OF CONTENTS

	Page
INTRODUCTION.....	1
PURPOSE AND SCOPE.....	3
CURRENT STATUS.....	5
WELL PLUGGING PROGRAM.....	9
Inventory.....	9
Priority.....	10
Plugging Methodology.....	12
PROPOSED SCHEDULING.....	17
COSTS.....	19
CONCLUSION AND SUMMARY.....	22
REFERENCES.....	23

LIST OF FIGURES

Figure	Page
1. Location of 1984-1985 Free-Flowing Well Plugging Projects.....	4
2. Number of Free-Flowing Wells in Each County (Healy 1978).....	6
3. Generalized Area of Artesian Flow.....	8
4. Map Showing the Distribution of Wells in Each County.....	11
5. Diagram Showing a QWIP Plug Assembly.....	14
6. Generalized Cross-Section Showing the Placement of a QWIP Plug in an Aquifer.....	16

LIST OF TABLES

Table		Page
1	Actual Plugging Cost 1984-1985.....	20
2	Actual Costs to SJRWMD for Program Support.....	20
3	Estimated Average Cost to SJRWMD Per Year Until 1992 for Program Support.....	21
4	Projected Costs for Actual Plugging	21
	4A - Cost Per Year to Plug All Wells by 1992.....	21
	4B - Total Costs to Plug All Wells by 1992.....	21

APPENDICES

Appendix

A	Outline Provided by Department of Environmental Regulation.....	A-1
B	Public Information.....	B-1
C	Inventory of Free-Flowing and Plugged Wells.....	C-1
D	Cooperative Agreement Between SJRWMD and Brevard County Board of Commissioners.....	D-1
	Cooperative Agreement Between SJRWMD and City of Daytona Beach.....	D-4
	General Contractual Agreement Between SJRWMD and Meridith Corporation.....	D-6

INTRODUCTION

Uncontrolled or improperly constructed artesian wells have a major effect on the quality and quantity of Florida's ground water resources. Thousands of wells have been drilled that would not meet today's well construction standards and many have had to be abandoned because of problems associated with these poor construction techniques. Millions of gallons a day are allowed to flow out of wells at the surface or leak internally into the shallow aquifers because of corroded or too short casing. This can reduce the potentiometric surface and therefore increase the chance of mineralized water contaminating the potable water supply.

Legislation has been enacted to solve the problems of uncontrolled free-flowing wells. The "Water Quality Act of 1983" directed the water management districts to prepare an initial inventory of the wells in their respective jurisdictions. This legislation also requires that a current inventory and work plan for plugging or controlling these wells be sent to the Department of Environmental Regulation by January 1st of each year until 1992.

The St. Johns River Water Management District (SJRWMD) currently has 401 wells on its inventory. This number has been increasing as public awareness of the problem has increased. Local governments and other agencies are also helping through cost sharing and personnel assistance.

Reports have been written documenting previous work in inventorying wells and specific plugging projects (Edwards 1983,

Edwards 1984, Healy 1978, Munch 1978, Timmons 1982). Information has been distributed to the public by means of flyers (Appendix B) and radio and newspaper coverage. These efforts have resulted in an accurate inventory for planning purposes and 71 wells plugged or reconstructed.

PURPOSE AND SCOPE

This document was prepared for presentation of inventory data and technical information to comply with the requirements of Part IV of the "Water Quality Act of 1983". This document is the third annual report to the Department of Environmental Regulation of the free-flowing well inventory and the District's work plan for controlling or plugging inventoried wells. Appendix A shows the format provided by the Department of Environmental Regulation to be used for this report. This report was also prepared for public distribution to show the District's progress in pursuing the problems resulting from uncontrolled free-flowing wells and to provide effective planning for future work in this field.

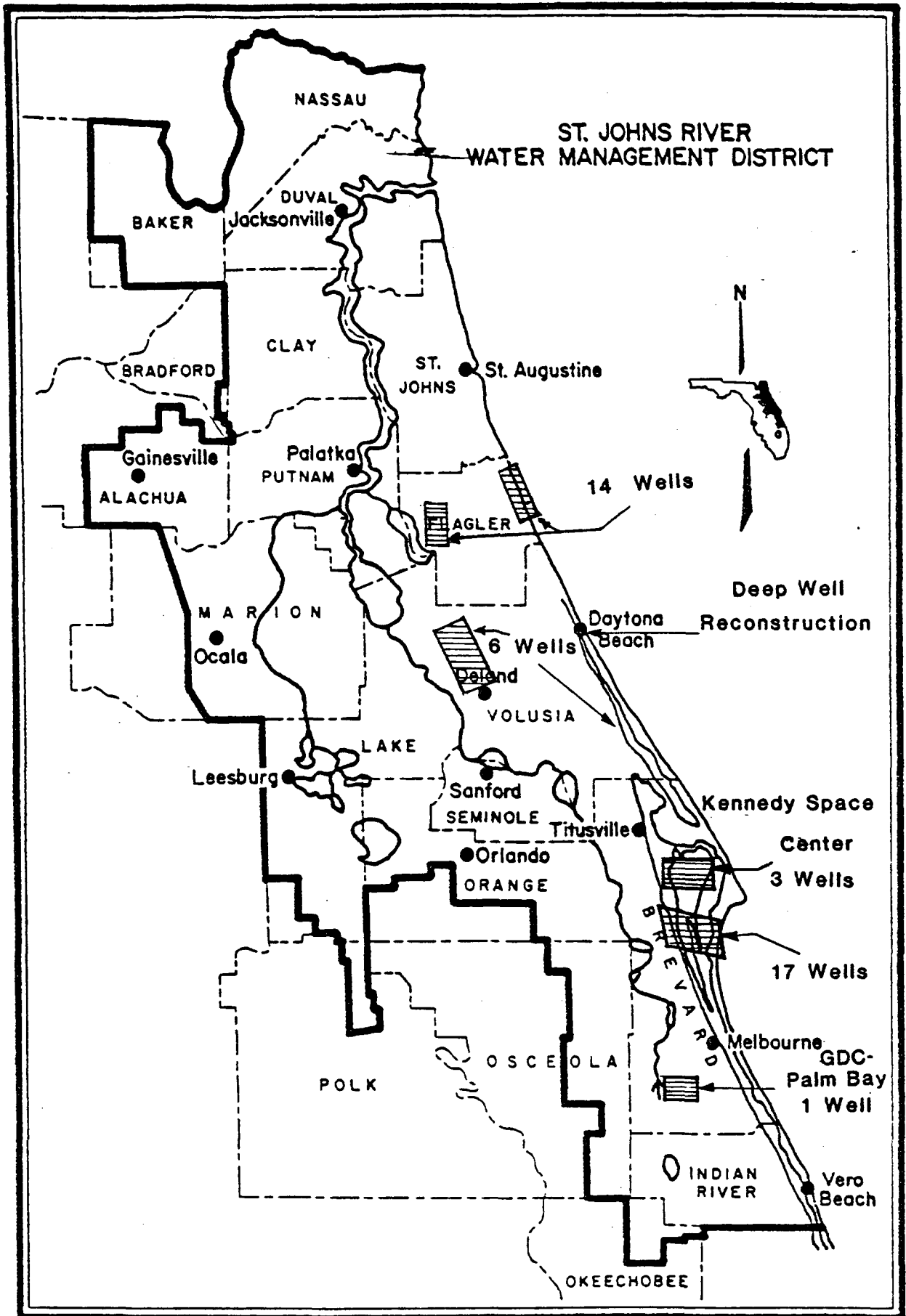


Figure 1. Location of 1984-1985 Free Flowing Well Plugging Projects

CURRENT STATUS
1985 PROJECTS

In 1985 the plugging efforts were concentrated in Brevard, Flagler and Volusia counties (Figure 1). These are areas where salt water intrusion and inter-aquifer contamination could have a serious effect on a limited and much needed potable water supply. Forty-two wells were plugged or reconstructed during the year thereby preventing approximately 16 million gallons per day of artesian water from wastefully flowing.

Specific projects in Brevard County included continuation of projects from earlier efforts. Three wells were plugged and one was reconstructed into an observation well at the Kennedy Space Center on Merritt Island. One well was plugged in the Palm Bay area as well as several improperly constructed mosquito control wells.

The District and the Brevard County Board of County Commissioners are renewing a cooperative agreement (Appendix D) that has been invaluable in accomplishing the goals of the program. Cost share funding and personnel assistance through the County Water Resources Department has done much to extend the resources and provide more effective planning.

In Volusia County five wells were plugged and one deep well was reconstructed into an observation well. The deep well was an abandoned 879 ft. municipal supply well owned by the City of Daytona Beach. This was reconstructed through a cost sharing agreement with the City (Appendix D). This well was a prime example of problems that can result from internal flow caused by

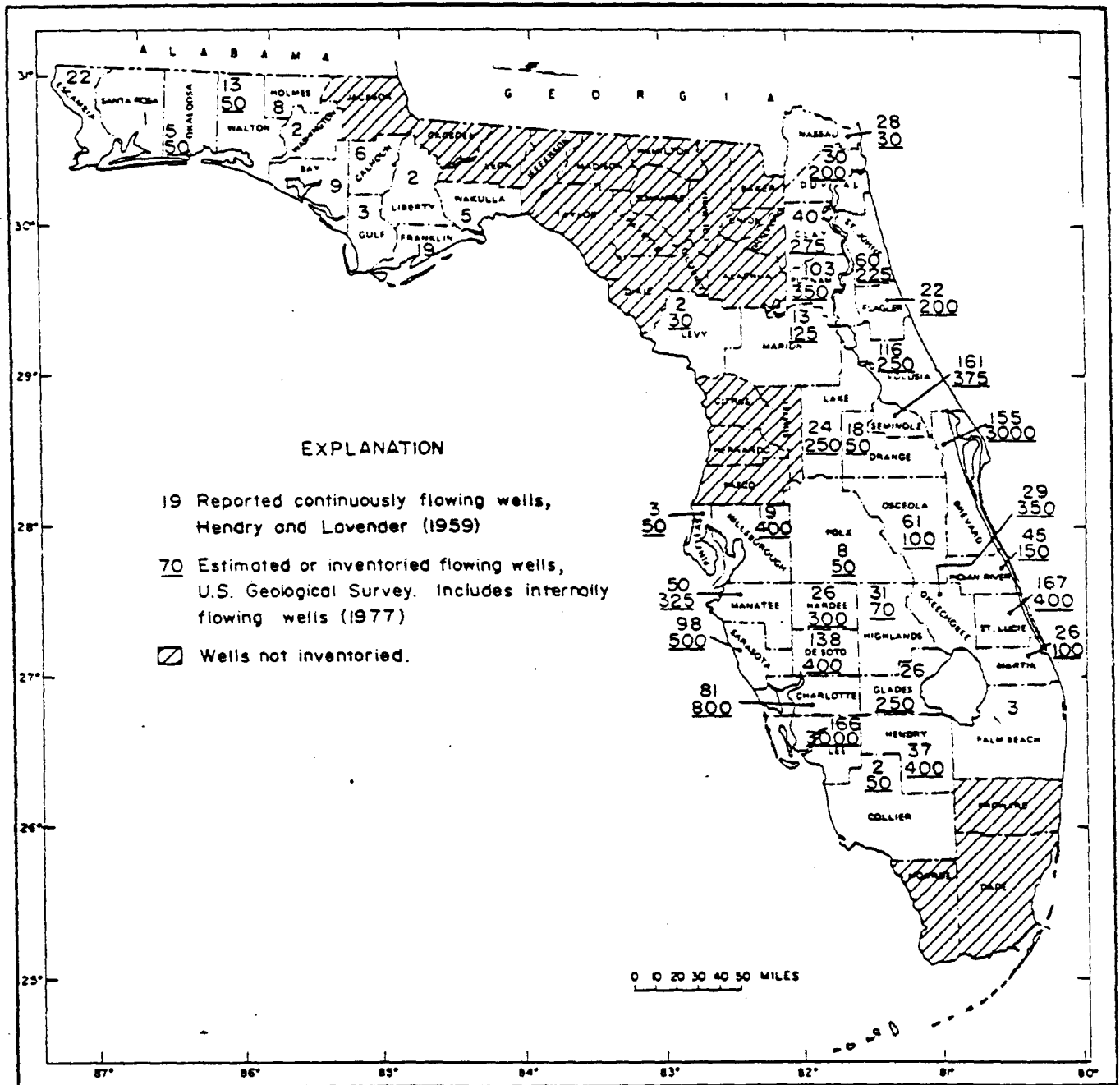


Figure 2. Number of Free Flowing Wells in Each County (Healy 1978)

poor construction techniques. Though the well did not flow at the surface, water was entering the open borehole at 430 ft. to 480 ft. and flowing up the well bore at approximately 290 GPM. This water was highly saline (14,000 ppm chlorides) and when it entered the formations in the upper zone of the well, local irrigation wells were affected. This well was backfilled and recased to prevent this flow and will be periodically monitored to observe the effects of the reconstruction.

In Flagler County, 14 wells were plugged. These two to eight inch diameter wells were abandoned residential or irrigation wells.

In Seminole County, the Agricultural Stabilization and Conservation Service (ASCS) and the Soil Conservation Service (SCS) are pursuing a program with the District similar to the cooperative agreement with Brevard County. The current inventory of three wells is much lower than the 375 (Healy 1978) that are estimated to exist (Figure 2). The ASCS and County personnel have knowledge of abandoned artesian wells that have not been formally inventoried. The District's enforcement personnel are also locating wells and collecting data. The initial plan is for County, ASCS and SCS personnel to be involved in inventory and obtain owners permission, whereas the District would do the actual plugging as funding becomes available. Cost sharing with these agencies may also be available.

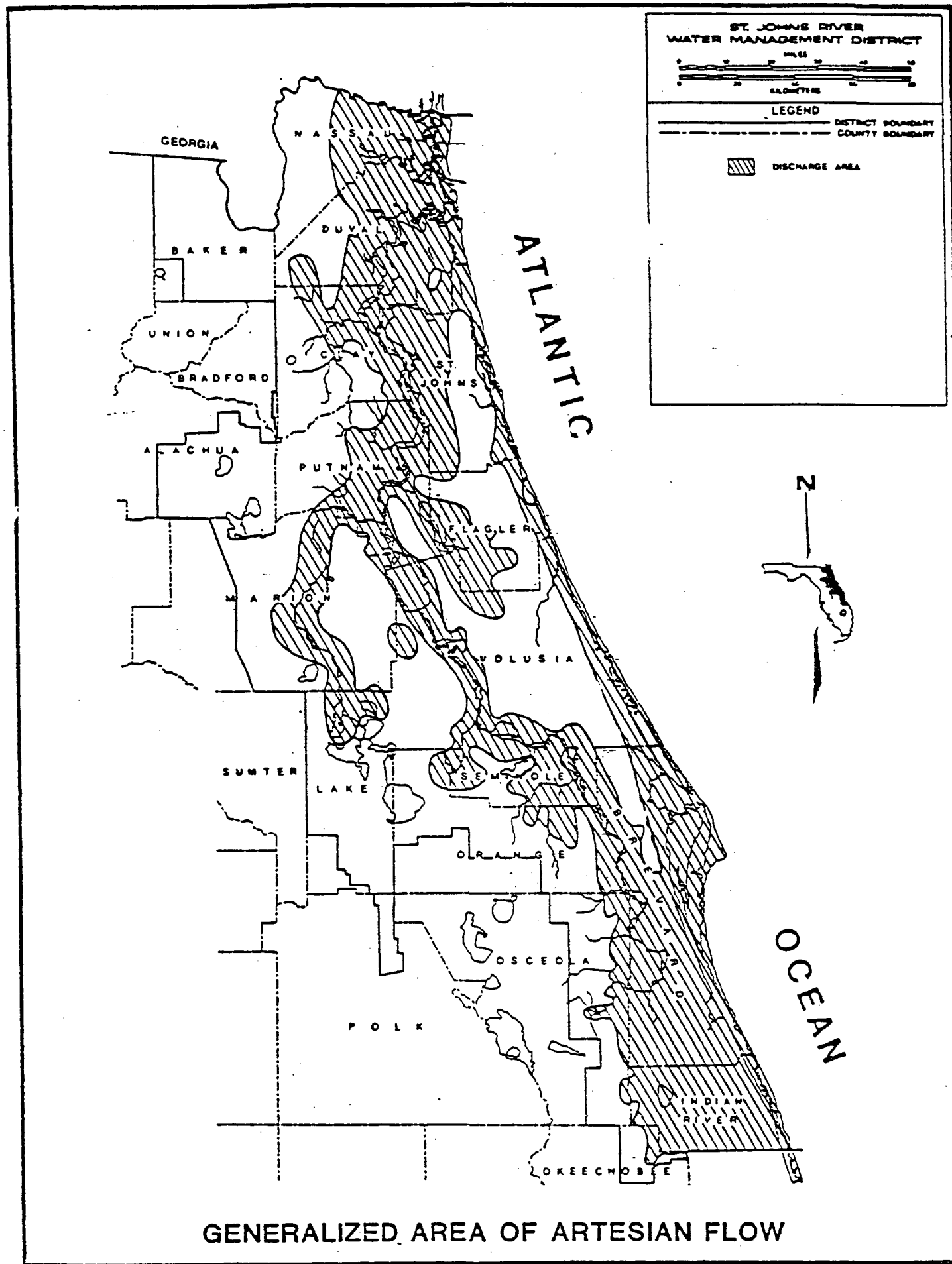


Figure 3.

WELL PLUGGING PROGRAM

Inventory

Estimates have been made (Healy 1978) that indicate that there are over 5,000 uncontrolled free-flowing wells within the District's boundaries (Figure 2). Brevard County accounts for 3,000 of these. The inventory in 1956 and 1957 done by the Florida Geological Survey (Hendry and Lavender 1959) shows 715 wells reported within the District. The District's initial inventory in 1980-1982 has included this information as the current status of each well is determined. The current inventory has also increased through the help of citizen reports, cooperation with local governmental agencies and routine field work.

The inventory of free-flowing wells is part of the data base on the District's computer system. There are currently 401 wells listed in this file. Information concerning location, construction details, water quality, owners name and general comments are recorded (Appendix C). A file is also kept that includes a photograph of the wells and a detailed map to the site.

Extensive inventory work is being planned in Seminole County in cooperation with the ASCS, SCS and Seminole County. It is expected that up to two hundred wells will be added to the inventory by this effort. This effort may increase the estimate of free-flowing wells to about 800 within the District.

In Brevard County the inventory has been increased by information supplied by the City of Melbourne and Patrick Air Force Base on the barrier island. These wells have been abandoned since high chlorides made the water unsuitable for irrigation or

public supply. Patrick Air Force Base has plugged some of their wells already and others are being scheduled through the District's program. All of these wells are short cased and too small diameter to reconstruct into a useful well. Various options for either plugging or reconstructing the wells in the City of Melbourne are being considered.

Priority

A priority system has been established in the District's well plugging program to rank groups of wells according to the impact of the wells on the water resources of the area. The criteria considered when grouping wells include; the quality of water being discharged or involved in interaquifer flow, the quantity of the water, the well construction, and the physical conditions of the well. The District has identified and ranked eight groups which would be indicative of these criteria. When specific hydrogeologic information is evaluated for a particular well or group of wells, the wells are prioritized accordingly. The priority groups established are as follows: #1 is the highest priority, #8 is the lowest priority.

1. Good quality water in limited supply with no recharge (an isolated lense of fresh water).
2. Good quality water in large supply with no recharge.
3. Good quality water in limited supply with recharge.
4. Poor quality water contaminating fresh, shallow aquifers (areas dependent on shallow aquifers for potable water supply will have higher priority).

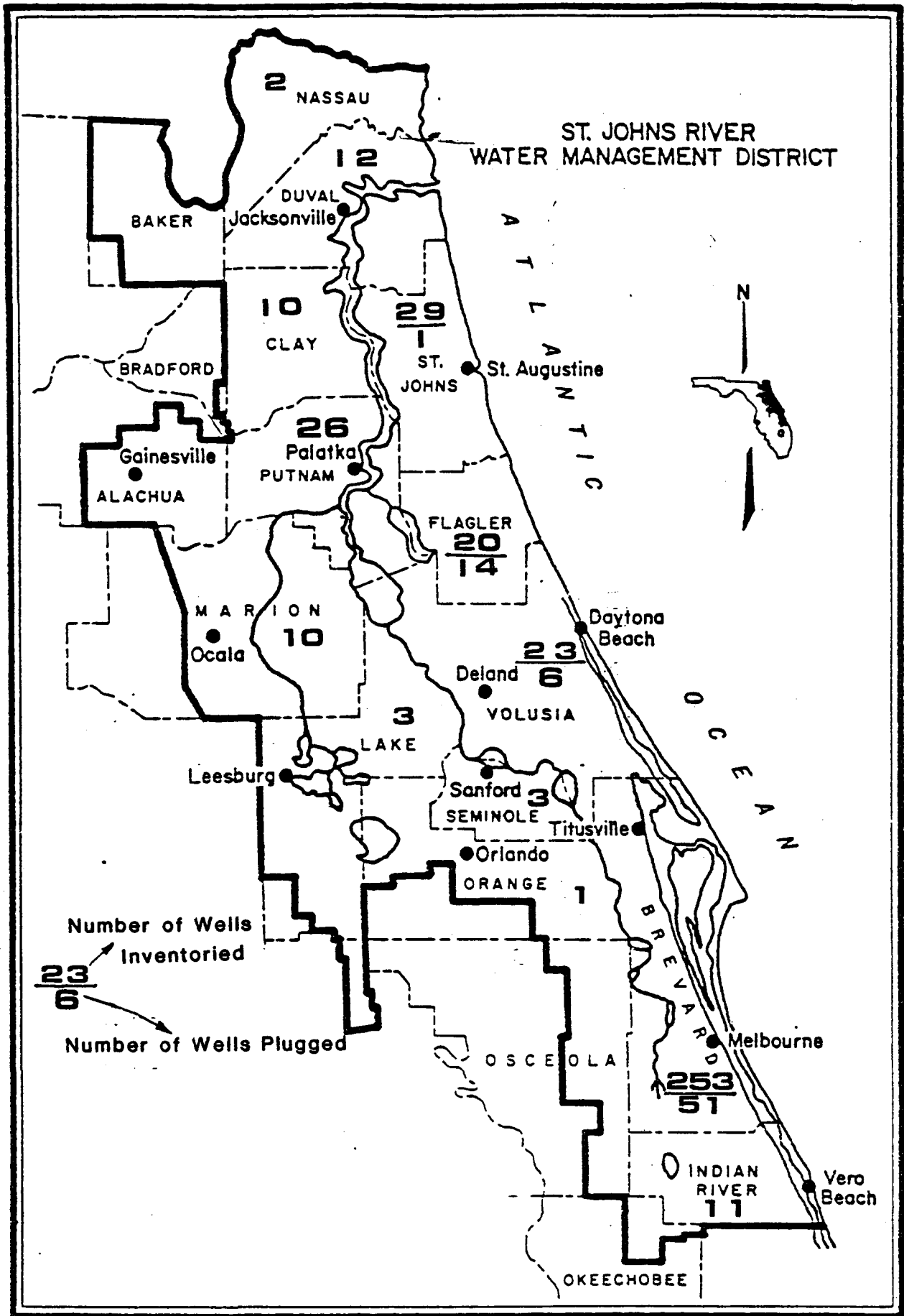


Figure 4. Map Showing the Distribution of Wells in Each County

5. Poor quality water directly contaminating fresh surface water bodies (areas that exhibit rapidly increasing chloride levels will have higher priority).
6. Good quality water in large supply with recharge.
7. Poor quality water contaminating shallow aquifers exhibiting high chloride levels.
8. Poor quality water directly contaminating brackish or salt water surface water bodies.

Plugging Methodology

After a well has been inventoried and prioritized, plans can be made for plugging it. The owner of the property is contacted to obtain permission for the project and to discuss legal responsibilities. Other groups that may be affected (government agencies, special interest groups) are also contacted to get their input. The various legal, technical and financial aspects of the particular project are discussed with these people to determine the best course of action. Options are considered based on available financing, the goals of the program and opposition to the project. Contract documents, cooperative agreements and permitting requirements are taken care of as needed (Appendix D).

Specifications for plugging the well are then developed based on current laws (SJRWMD Rules, Chapter 40C-3, Revised Edition) and the hydrogeologic setting of the well. This information is used to determine what type of plug will be necessary. The criteria that are considered include the following:

1. The location of existing aquifers and confining units must be known so plugging will prevent interaquifer contamination or loss of head pressure.
2. Original construction details of the well including cased depth and total depth should be determined.
3. Present condition of the well is determined from geophysical logs if possible or by running drill rod or tremie pipe to the bottom of the well.

From the above information the type of or combination of the following plugging methods is generally used:

1. Valves or Caps - If the well does not present any water quality problems or depletion of one aquifer to another through interaquifer flow, the most efficient way to preserve the water resource is to install a workable valve or cap.
2. Backfilling - This is by far the best method to insure that a well is properly sealed to restore the site to its original hydrogeologic setting. The method involves setting drill rod or tremie pipe to about 20 ft. from the bottom of the well and pumping a cement slurry through it so the well can be filled from the bottom to the land surface. This can be done in one large batch or in stages. Generally by pumping several smaller batches and allowing time for the cement to set, problems can be avoided in wasting cement. If it is found that the well is taking much more cement than calculated, it may be necessary to install a plug or use

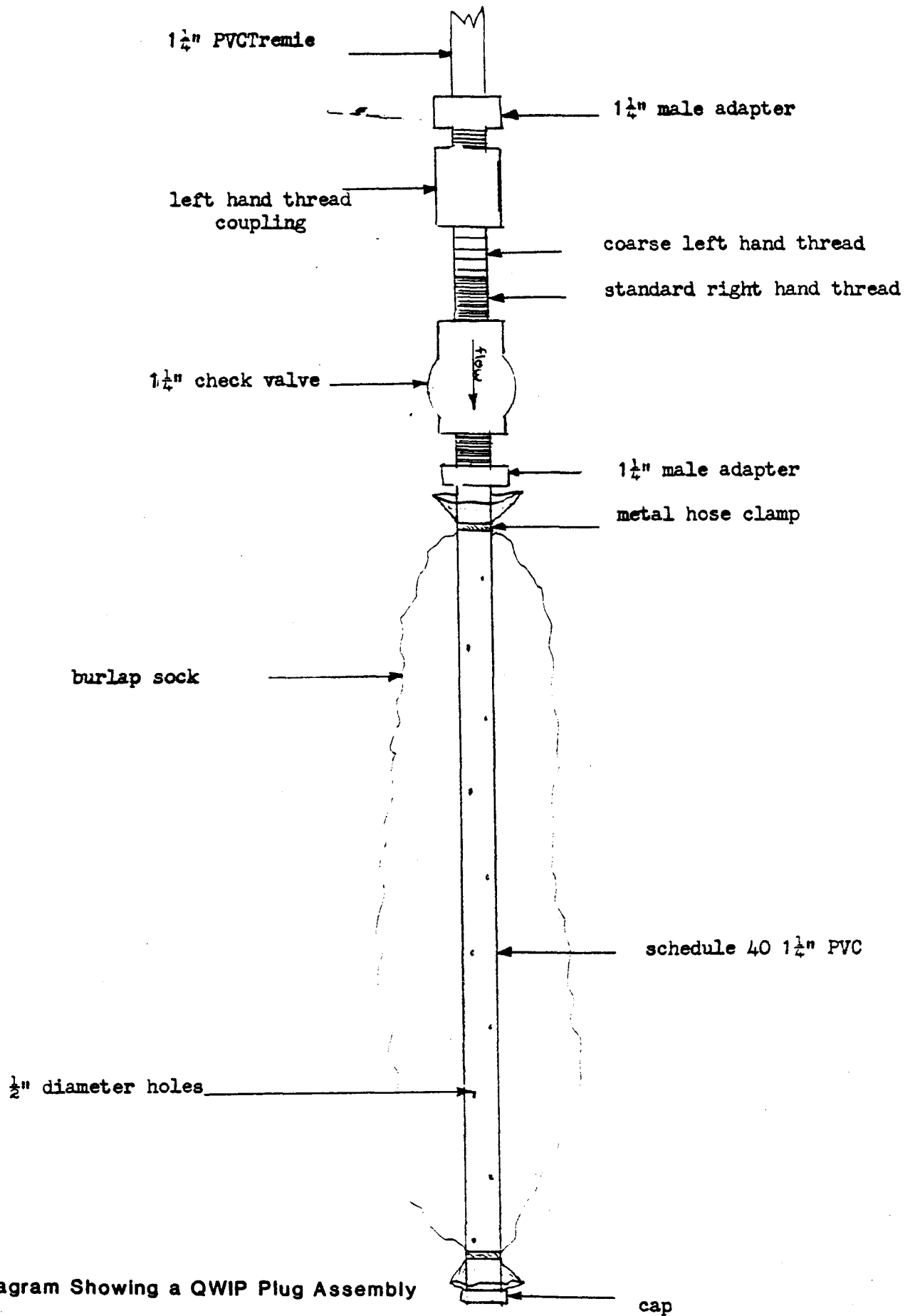


Figure 5. Diagram Showing a QWIP Plug Assembly

gravel to bridge certain zones. Once the plug is installed, the well can be backfilled to the surface.

3. Plugs - There are many commercial plugs available to seal a well or hold cement in place until it sets. The District has devised a form of cement plug (termed QWIP - from Quality of Water Improvement Program) to bridge thirsty formations or set casings (see Figure 5). This plug is generally fabricated on site and attaches to 1 1/4 inch PVC tremie pipe. A coarse left hand threaded coupling and nipple is used to provide a positive disconnect system so the tremie pipe can be removed from the plug. A check valve is placed on the tremie to prevent the slurry from being forced out of the burlap "sock" by natural water pressure. A calculated volume of slurry is pumped into the sock and allowed to set before backfilling can be resumed.

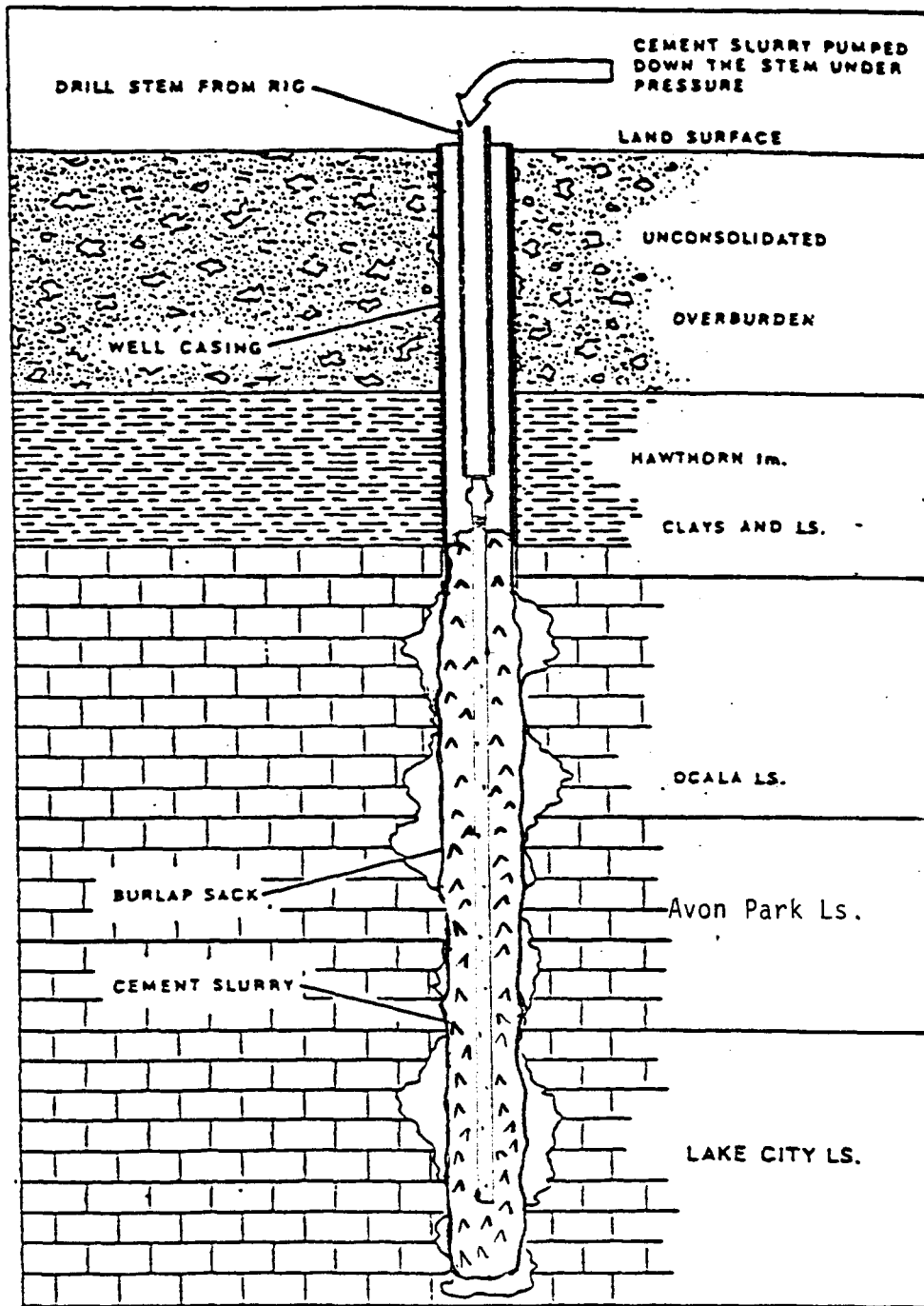


Figure 6. Generalized Cross Section Showing the Placement of the Plug within the Aquifer.

PROPOSED SCHEDULING

The goal of the free-flowing well plugging program is to have all of the wells inventoried and plugged by 1992. The inventory in 1983 (Edwards 1984) listed 293 wells that would qualify for plugging under this program. The 1984 inventory (Edwards 1985) showed an increase of 64 wells and the current inventory has 401 wells listed.

During the first five years of this program 71 wells were plugged or reconstructed. Each year has shown an increase in the number of wells plugged per year. This is due in part to the experience gained in plugging methodology as well as it being easier to obtain permission to do this work as the public becomes more aware of the problems caused by these wells.

Scheduling of wells to plug will be directed as funding is available to plug the total amount of the estimated free-flowing wells in the remaining six years. If the total number of wells that have been plugged (71) are subtracted from the number of wells estimated to be in the District (800) then 122 wells will have to be plugged per year to accomplish the program goals within the original timeframe.

Wells are scheduled based on the priority list as well as availability of funding. Brevard County not only has the highest number of inventoried wells but their cost sharing program has provided a means to use District funds more efficiently.

The 1985-1986 schedule of wells to plug includes approximately 35-40 wells located in Brevard County. These are located at Patrick Air Force Base, the Kennedy Space Center, the

City of Melbourne and various wells in the south part of Brevard County. An additional 10-15 wells are being scheduled in St. Johns and Putnam counties that should help the agricultural concern. Some wells on private property will be plugged in these counties as permissions are obtained.

COSTS

Tables 1, 2, 3 and 4 are provided to show actual costs for plugging and program support as well as projected costs. The costs that were incurred in fiscal year 1984-1985 exceeded the SJRWMD budget but funds were available that were encumbered from previous years or matched through cooperative agreements. Based on the 1984-1985 average cost per well for actual plugging, the 1985-1986 SJRWMD budget has funds to plug approximately 45 wells. This is far short of the number of wells that need to be plugged per year to meet the program goals.

TABLE 1. ACTUAL PLUGGING COSTS 1984-1985

A. Contractual Services	
Brevard County	\$25,346
Flagler & Volusia Counties	16,990
	\$42,336
B. Cement and Related Products	
Brevard County	\$ 8,315
Flagler & Volusia Counties	3,570
	\$11,885
Total Costs (A + B)	\$54,221
Average Cost per well (42 wells)	\$ 1,291

TABLE 2. ACTUAL COSTS TO SJRWMD FOR PROGRAM SUPPORT

A. 1984-1985 program support	
Salaries, Travel, Insurance	\$27,676
General Supplies & Equipment	2,508
	Total \$30,184
Average Cost per Well	\$ 718
B. Total Costs to Date	
Fiscal Year 1980/1981	\$12,726
Fiscal Year 1981/1982	47,338
Fiscal Year 1982/1983	36,440
Fiscal Year 1983/1984	43,645
Fiscal Year 1984/1985	84,405
	Total to Date \$224,554
C. Costs to District	
Total to Date	\$224,554
12% Administrative Costs	26,946
	\$251,500
Less Total Contractual Services to Date	- 100,983
	\$150,517
Average Cost Per Year (5 Years)	\$ 30,104

TABLE 3. ESTIMATED AVERAGE COST TO SJRWMD PER YEAR UNTIL 1992 FOR PROGRAM SUPPORT

Actual Average Cost (from Table 2)	\$30,104
Projected Average cost Per Year Until 1992*	
Fiscal Year 1985/1986	\$30,104
Fiscal Year 1986/1987	\$31,910
Fiscal Year 1987/1988	\$33,825
Fiscal Year 1988/1989	\$35,855
Fiscal Year 1989/1990	\$38,006
Fiscal Year 1990/1991	\$40,286
Fiscal Year 1991/1992	\$42,703
TOTAL	\$252,689

* Based on 6% annual inflation rate.

TABLE 4. PROJECTED COSTS FOR ACTUAL PLUGGING

A. Costs Per Year to Plug All Wells By 1992.

Estimated Number of Wells to Plug	800
Number of Wells to Plug Per Year	122
Average Cost Per Well	\$ 1,291
Average Cost Per Year	\$157,502

B. Total Costs to Plug All Wells By 1992*

Fiscal Year 1985/1986	\$157,502
Fiscal Year 1986/1987	\$166,952
Fiscal Year 1987/1988	\$176,969
Fiscal Year 1988/1989	\$187,587
Fiscal Year 1989/1990	\$198,842
Fiscal Year 1990/1991	\$210,773
Fiscal Year 1991/1992	\$223,419
TOTAL	\$1,322,045

* Based on 6% inflation/rate.

CONCLUSION AND SUMMARY

According to United States Geological Survey References (Healy 1978), there are approximately 1,000 artesian flowing wells within the St. Johns River Water Management District. Since the USGS's inventories and estimates, many of the wells have been abandoned or brought under control (as far as surface discharge) for future use by the owners, because of the concern developed over the years. When not abandoned properly, free-flowing wells may continue to have a grave effect on the water resources of the area due to interaquifer contamination. Wells that are capped and not reported become increasingly difficult or impossible to locate and properly abandon. The District will continue to work with private well owners on request to evaluate suspect wells for remedial action.

The inventory of 401 free-flowing wells in the St. Johns River Water Management District is estimated to be 50 percent of the actual number of wells existing that would meet the program's responsibilities and objectives. The District's Well Plugging Program is continuing an extensive search for these wells through increasing efforts in public awareness and cooperation. To date the District has plugged 71 wells with a total discharge of approximately 25 million gallons per day. The District will increase the number of wells to be plugged as each year's budget allows. Evaluation of the Program's priority criteria will be followed to insure effective progress in protecting the water resource from problems resulting from uncontrolled free-flowing wells.

REFERENCES

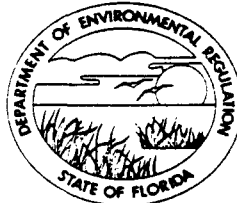
- Edwards, S. Jr., 1983, Technical Publication SJ 84-3, Report on Uncontrolled Free-Flowing Artesian Wells - Free-Flowing Well Plugging Program.
- Edwards, S. Jr., 1985, Annual Report on Uncontrolled Free-Flowing Artesian Wells - Free Flowing Well Plugging Program, St. Johns River Water Management District.
- Healy, H. G., 1978, Appraisal of uncontrolled flowing artesian wells in Florida, U. S. Geological Survey WRI 78-95, 26 pages.
- Hendry, C. W. Jr., and Lavender, J. A. 1959, Final Report on an Inventory of Flowing Artesian Wells in Florida: Florida Geological Survey Information Circular 21, 30 p.
- Munch, D. A., 1978, Improvement of water quality through a cooperative well plugging program, St. Johns River Water Management District.
- Timmons, Wilson R. Jr., 1982 Appraisal of Uncontrolled Artesian Wells in Brevard County, Florida; Brevard County Water Resources Department, 63 p.
- "Water Quality Act of 1983"

APPENDIX A

OUTLINE PROVIDED BY
DEPARTMENT OF ENVIRONMENTAL REGULATION

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

October 12, 1983

Mr. Doug Munch
St. Johns River Water
Management District
Post Office Box 1429
Palatka, Florida 32077

RE: Artesian Well Plugging Workplan

Dear Mr. Munch:

Part IV of the Water Quality Assurance Act directs the five water management districts to prepare inventories and workplans outlining methods and costs of plugging all abandoned artesian wells in their district by January 1, 1992. The water management districts shall submit an initial workplan to the Secretary of DER by January 1, 1984.

Enclosed is a draft format for the workplan. Please review and let me know if you have any serious problems with the contents. The level of detail and length of each water management district workplan will be proportional to the number of wells and the existence of an active well plugging program. In those districts without a district-wide inventory, cost estimates may have to be given for both known and estimated number of wells.

Another topic we need to discuss is the use of the original inventory. I have the original well schedules (in pencil) complete with photographs, wellhead diagrams and hand drawn maps from which Information Circular No. 21 was prepared. These statewide records have remained intact since 1958, so I am reluctant to start mailing originals all over the state.

A meeting in Tallahassee with all water management districts can be arranged, if you feel there is a need. Suggested dates are November 8, 9, 15, or 16. Please let me know if you would prefer to meet or discuss any problems by telephone.

Sincerely,

Leslie Bell
Environmental Supervisor
Groundwater Section

LB/cs
Enclosures
cc: Rodney DeHan
Greg Parker
Howard Rhodes
John Wehle
Ed Mossier/SFWMD

A-1

Format for Artesian Well Plugging Workplan

I. Introduction	DOCUMENT SUBHEADINGS	Page
A. Brief assessment of existing problem	'INTRODUCTION'.....	
B. Brief summary of any existing program	'CONCLUSION AND SUMMARY'....	
II. Inventory		
A. Results of 1983 Inventory presented in table form. The format in Table 1 and Table 3 from the Florida Geological Survey Information Circular No. 21 (examples attached) can be used as models.....		
B. Description of methodology used in obtaining initial inventory, including types of sources contacted, publicity, and field verification methods	'Inventory'.....	
C. Location and Owner of each abandoned well		
1. Present by county, alphabetically by owner and latitude/longitude		
2. If inventory is already on data base, existing format may be submitted		
D. Proposed Methodology for Updating Inventory	'Inventory, CONCLUSION AND SUMMARY'.....	
1. Location techniques		
2. Field verification		
3. Public notification techniques		
III. Well Plugging Priority Schedule		
A. Criteria to be used to develop schedule:	'Priority'.....	
1. Condition of casing		
2. Presence of operable valve		
3. Water quality in well and receiving aquifer		
4. Surface or subsurface flow from well		
5. Diameter of well and flow volume		
6. Surficial aquifer use in proximity to artesian well		
B. Proposed Schedule	'PROPOSED SCHEDULING'.....	
1. Individual wells may be listed for the water management districts with smaller inventories. Types of wells with highest priority may be listed for water management districts with larger inventories.		

IV. Plugging Methodology	DOCUMENT SUBHEADINGS	Page
A. Description of existing procedure, including all legal paperwork and contract processing	'Plugging Methodology'.....	
B. Types of plugs commonly used	'Types of Plugs'.....	
C. Description of any inspection or verification	'COSTS'.....	
D. Timetable for plugging completion, which incorporates priority schedule developed in III	'PROPOSED SCHEDULING'.....	
V. Costs		
A. Costs should be presented in two categories - water management district costs and actual plugging costs	'COSTS'.....	
B. Estimates for water management district costs should be given in 'per well' units, and should include:	'TABLE 2, TABLE 3'.....	
1. Staff time for locating wells		
2. Staff time for well assessment and placement in priority schedule		
3. Staff time for resolving any legal difficulties		
4. Staff time for preparing and awarding plugging contract		
5. Staff time for inspection, updating of inventory		
6. Total estimated cost		
1. 'Per well' cost times number of known or estimated wells in district		
C. Actual Plugging Costs	'TABLE 1, TABLE 4'.....	
1. Estimated average plugging cost per well. Wells may be classified into two or three depth groups		
2. Total estimated plugging cost		
1. 'Per well' cost times number of known or estimated wells in district		
VI. Recommendations		
A. Need for changes or expansion of existing programs		
B. Other		

APPENDIX B
PUBLIC INFORMATION

...putting a
cap on —

**FREE
FLOWING
WELLS**

**St. Johns River
Water Management
District**

Brochure produced by St. Johns River Water Management District:
A Brief Explanation of the Problems of Uncontrolled Free Flowing
Wells and the District Well Plugging Program.

ROUTE 2 BOX 696
PALATKA, FLORIDA 32077
TELEPHONE (904) 325-5363**INFORMATION
RELEASE**

April 5, 1981

For Release: Immediate

CITIZENS REQUESTED TO ASSIST IN FREE FLOWING WELL INVENTORY

Billions of gallons of fresh water are needlessly wasted each year in Florida from uncontrolled free flowing wells.

A four inch well can flow as much as 150 to 200 gallons per minute (gpm), resulting in the loss of 288,000 gallons per day (gpd), or 100 million gallons per year. A six inch free flowing well can produce as much as 500 gpm, wasting 720,000 gpd or 260 million gallons per year.

The St. Johns River Water Management District is conducting a program to locate uncontrolled free flowing wells, and to collect data on the water quality and flow rate of each well.

Persons who know the location of abandoned free flowing wells are urged to contact the District.

The purpose of the free flowing well inventory is to determine the magnitude of the problem, and to identify areas in the District most affected by water loss from the wells. Results of the inventory will ultimately be used to evaluate the cost and methods available to minimize the problem.

In addition to the needless waste of valuable groundwater resources, many wild free flowing wells contain a high salt content and cause salt water contamination of shallow aquifers, rivers, lakes and streams. Wells with damaged or eroded casing also contribute other types of pollution.

The District's well inventory is being conducted in Baker, Clay, Duval, Flagler, Indian River, Putnam, St. Johns, Seminole

(MORE)

and Volusia Counties.

The program also includes portions of Alachua, Bradford, Lake, Marion, Okeechobee, Orange, Osceola and Polk Counties that are within St. Johns District boundaries.

Wild, free flowing wells are often located near abandoned homesteads, in old agricultural areas and in pastures. They are usually found in low lying areas, particularly near the coast and along inland rivers.

District hydrologists have identified 2 wells in Putnam County, 4 in Indian River County, 5 in Clay County, 7 in Nassau County, 8 in Flagler County, 12 in Volusia County and 20 in both Duval and Brevard Counties. It is estimated that St. Johns County has approximately 30 free flowing wells, and that Brevard has 170 wells in addition to those already cataloged.

Urban, agricultural, industrial and recreational demand for water is increasing at a rapid rate to keep pace with Florida's expanding population. Fresh water supplies in some areas are already stressed by overdemand. Projections for the future indicate that Florida will account for one-sixth of the nations growth between the present and the year 2000.

To meet further water needs, waste must be reduced to a minimum and the quality of ground and surface water must be protected. Minimizing water loss from uncontrolled free flowing wells could conserve billions of gallons each year.

Anyone knowing the location of uncontrolled free flowing wells is asked to call or write Hydrologist, Alan Aikens, St. Johns River Water Management District, P.O. Box 1429, Palatka, Florida, 32077, or (904) 328-8321.

APPENDIX C

INVENTORY OF FREE-FLOWING AND PLUGGED WELLS

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
LISTING OF
ALL WELLS PLUGGED BY THE FREE FLOWING WELL PROGRAM

COUNTY	OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL		WELL DIAM			
					De	Mi	Se	De	Mi		Se	DEPTH	DEPTH
BREVARD	AQUIRINA	BR437	PLUGGED	UNUSED	27	55	20	80	29	37	195	439	4.00
	AQUIRINA	BR438	PLUGGED	UNUSED	27	55	32	80	29	21	-	-	3.00
	BEACHWOODS	BR227	PLUGGED	UNUSED	28	1	53	80	32	31	-	-	1.50
	BETHESDA RET HOME	BR17*	PLUGGED	UNUSED	28	1	35	80	35	16	330	1360	4.00
	BREVARD CO MC	BR0694	PLUGGED	UNUSED	28	24	20	80	40	47	78	220	4.00
	BREVARD CO. M. C.	BR394	PLUGGED	UNUSED	28	17	46	80	40	27	-	290	4.00
	BREVARD CO. MC	BR78*	PLUGGED	UNUSED	27	52	8	80	27	17	102	449	4.00
	BREVARD CO. MC	BR80*	PLUGGED	UNUSED	27	52	27	80	28	3	103	406	4.00
	BREVARD CO. MC	BR81*	PLUGGED	UNUSED	27	52	31	80	28	7	103	203	4.00
	BREVARD CO. MC	BR82*	PLUGGED	UNUSED	27	53	1	80	28	4	-	-	4.00
	BREVARD CO. MC	BR83*	PLUGGED	UNUSED	27	53	5	80	28	4	103	465	4.00
	BREVARD CO. MC	BR85*	PLUGGED	UNUSED	27	53	57	80	28	17	-	-	4.00
	BREVARD CO. MC	BR86*	PLUGGED	UNUSED	27	54	25	80	28	38	101	358	4.00
	BREVARD CO. MC	BR87*	PLUGGED	UNUSED	27	55	18	80	29	36	-	496	4.00
	BREVARD CO. MC	BR91*	PLUGGED	UNUSED	27	56	9	80	30	24	-	386	4.00
	BREVARD CO. MC	BR93*	PLUGGED	UNUSED	27	56	28	80	30	32	103	425	4.00
	BREVARD CO. MC	BR98*	PLUGGED	UNUSED	28	18	29	80	40	31	-	-	4.00
	BREWER, GRAY	BR0664	PLUGGED	UNUSED	28	26	22	80	45	34	-	-	2.00
	CITY OF COCOA BEACH	BR0662	PLUGGED	UNUSED	28	21	15	80	36	20	888	330	4.00
	CITY OF PALM BAY	BR282	PLUGGED	UNUSED	28	0	7	80	43	37	87	349	6.00
	CITY OF ROCKLEDGE	BR429	PLUGGED	UNUSED	28	19	2	80	44	7	-	-	4.00
	COUCH PUMPS	BR423	PLUGGED	UNUSED	27	55	53	80	31	38	71	798	12.00
	COUCH PUMPS	BR623	PLUGGED	UNUSED	27	55	54	80	31	38	159	628	8.00
	CRISAFULLI, B.	BR0644	PLUGGED	UNUSED	28	28	8	80	42	21	-	-	4.00
	DAVIS	BR0660	PLUGGED	UNUSED	28	15	57	80	40	17	888	261	4.00
	DNR-PARKS AND REC.	BR410	PLUGGED	UNUSED	27	52	17	80	27	21	81	392	4.00
	ENTERPRISE INTERNATI	BR432	PLUGGED	UNUSED	28	18	30	80	44	20	84	-	4.00
	FOOSANER	BR0661	PLUGGED	UNUSED	28	27	59	80	41	8	-	220	4.00
	FOOSANER	BR590	PLUGGED	UNUSED	28	27	56	80	41	8	84	202	3.00
	FOOSANER	BR591	PLUGGED	UNUSED	28	27	57	80	41	17	86	183	4.00
	FOOSANER	BR594	PLUGGED	UNUSED	28	27	55	80	41	6	36	212	4.00
	GDC	BR0648	PLUGGED	UNUSED	27	56	57	80	42	2	-	-	6.00
	GDC	BR0652	PLUGGED	UNUSED	27	56	7	80	42	47	-	-	4.00
	GEN. DEVELOP. CORP.	BR258	PLUGGED	UNUSED	27	54	59	80	40	11	107	336	6.00
	GEN. DEVELOP. CORP.	BR259	PLUGGED	UNUSED	27	55	30	80	40	50	124	335	6.00
	GEN. DEVELOP. CORP.	BR262	PLUGGED	UNUSED	27	55	46	80	41	45	123	299	6.00
	GEN. DEVELOP. CORP.	BR263	PLUGGED	UNUSED	27	56	30	80	41	21	82	378	2.00
	GEN. DEVELOP. CORP.	BR278	PLUGGED	UNUSED	27	59	26	80	41	46	127	347	4.00
	GEORGE BALL	BR592	PLUGGED	UNUSED	28	18	45	80	36	36	888	888	4.00
	JACK SIMPSON	BR602	PLUGGED	UNUSED	28	22	18	80	46	43	112	371	4.00
	MTDCD	BR365	PLUGGED	UNUSED	27	55	12	80	41	22	-	-	2.00
	NASA	BR367	PLUGGED	UNUSED	28	34	14	80	39	12	131	225	4.00
	NASA	BR587	PLUGGED	UNUSED	28	39	44	80	46	33	112	200	4.00
	NASA	BR588	PLUGGED	UNUSED	28	31	34	80	38	2	-	-	4.00
	NASA	BR589	PLUGGED	UNUSED	28	28	45	80	39	35	-	-	4.00
	NASA	BR595	PLUGGED	UNUSED	28	33	43	80	40	14	83	190	4.00
	NASA	BR609	PLUGGED	UNUSED	28	29	7	80	41	1	-	-	8.00

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
LISTING OF
ALL WELLS PLUGGED BY THE FREE FLOWING WELL PROGRAM

COUNTY	OWNER	WELL ID	STATUS	WELL USE	L A T De Mi Se	L O N De Mi Se	CASE DEPTH	WELL DEPTH	WELL DIAM
BREVARD	NASA	BR610	PLUGGED	UNUSED	28 29 18	80 41 0	-	-	6.00
	PATRICK AFB	BR0663	PLUGGED	UNUSED	28 13 6	80 36 24	100	262	6.00
	UNDETERMINED	BR409	PLUGGED	UNUSED	27 52 11	80 27 22	-	466	4.00
	WOLFMAN	BR99*	PLUGGED	UNUSED	28 18 50	80 48 38	104	141	4.00
BREVARD									51
FLAGLER	ARMOND FISHETTE	F221*	PLUGGED	UNUSED	29 35 1	81 11 49	888	888	6.00
	ARMOND FISHETTE	F222*	PLUGGED	UNUSED	29 35 4	81 11 50	888	888	6.00
	HAMMOCK BAPTIST CHUR	F220*	PLUGGED	UNUSED	29 35 47	81 11 47	-	-	4.00
	HODGES	F-0237	PLUGGED	UNUSED	29 25 17	81 25 42	-	-	2.00
	HODGES	F-0238	PLUGGED	UNUSED	29 25 17	81 25 43	-	-	2.00
	IHLENFELDT	F-0253	PLUGGED	UNUSED	29 36 28	81 12 3	147	158	4.00
	ITT PALM COAST	F223*	PLUGGED	UNUSED	29 35 0	81 11 35	888	888	6.00
	PUBLIC DOMAIN	F207*	PLUGGED	UNUSED	29 34 1	81 11 11	-	-	6.00
	SHAEFFER	F224*	PLUGGED	UNUSED	29 29 11	81 8 3	888	888	2.00
	SHOW, GEARLDINE	F-0254	PLUGGED	UNUSED	29 37 9	81 12 19	-	-	4.00
	UNDETERMINED	F134	PLUGGED	UNUSED	29 33 38	81 10 5	134	152	4.00
	UNDETERMINED	F209*	PLUGGED	UNUSED	29 25 23	81 25 38	-	-	6.00
	UNDETERMINED	F213*	PLUGGED	UNUSED	29 25 19	81 25 53	-	-	0.00
	WESTBROOK, J.H.	F-0255	PLUGGED	UNUSED	29 33 52	81 11 1	87	138	2.00
FLAGLER									14
ST. JOHNS	DAVIS, J.E.	SJ521	PLUGGED	UNUSED	30 4 5	81 23 16	-	-	3.00
VOLUSIA	A. RICH	V-0159	PLUGGED	UNUSED	28 56 45	80 52 35	-	125	6.00
	L. WOODRUFF WILDLIFE	V54**	PLUGGED	UNUSED	29 3 24	81 22 22	-	-	3.00
	LAWERENCE FARMS, INC	V51**	PLUGGED	UNUSED	29 7 52	81 21 9	-	-	8.00
	LAWERENCE FARMS, INC	V52**	PLUGGED	UNUSED	29 7 48	81 21 9	-	-	8.00
	LAWERENCE FARMS, INC	V53**	PLUGGED	UNUSED	29 7 46	81 21 9	-	-	8.00
	UNION BAG	V-0154	PLUGGED	UNUSED	29 15 43	81 32 6	90	116	2.00
VOLUSIA									6
									72

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
BREVARD COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE		WELL DEPTH	WELL WATER DIAM QUAL	GEOPHY LOGS			
				De	Mi	Se	De	Mi				Se		
A.L. READDY	BR393	FLOWING	UNUSED	28	16	48	80	40	22	126	248	4.00	YES	YES
AQUIRINA	BR437	PLUGGED	UNUSED	27	55	20	80	29	37	195	439	4.00	YES	YES
AQUIRINA	BR438	PLUGGED	UNUSED	27	55	32	80	29	21	-	-	3.00	YES	-
ATLANTIC RIDGE CORP	BR90*	FLOWING	UNUSED	27	55	25	80	33	35	-	-	4.00	YES	-
BAKER HARVERY L. JR.	BR0641	FLOWING	UNUSED	28	22	5	80	41	55	-	600	4.00	YES	-
BEACHWOODS	BR227	PLUGGED	UNUSED	28	1	53	80	32	31	-	-	1.50	YES	-
BETHESDA RET HOME	BR17*	PLUGGED	UNUSED	28	1	35	80	35	16	330	1360	4.00	YES	YES
BLISS (HELM)	BR433	FLOWING	IRRIGATION	28	15	25	80	39	50	-	-	6.00	YES	-
BOY SCOUTS-ORLANDO	BR100	FLOWING	RECREATION	27	57	19	80	35	13	-	-	4.00	YES	-
BREVARD CO MC	BR0694	PLUGGED	UNUSED	28	24	20	80	40	47	78	220	4.00	YES	YES
BREVARD CO.	BR386	FLOWING	UNUSED	28	21	23	80	40	17	-	-	4.00	YES	-
BREVARD CO. DIST 3	BR101	FLOWING	UNUSED	27	57	10	80	35	43	-	316	4.00	YES	-
BREVARD CO. M. C.	BR209	FLOWING	UNUSED	28	24	17	80	41	35	-	-	2.00	YES	-
BREVARD CO. M. C.	BR394	PLUGGED	UNUSED	28	17	46	80	40	27	-	290	4.00	YES	-
BREVARD CO. M.C.	BR233	FLOWING	IRRIGATION	28	17	32	80	41	55	-	-	4.00	YES	-
BREVARD CO. M.C.	BR388	FLOWING	IRRIGATION	28	20	17	80	41	6	-	-	4.00	YES	-
BREVARD CO. M.C.	BR389	FLOWING	IRRIGATION	28	18	16	80	40	24	-	-	6.00	YES	-
BREVARD CO. M.C.	BR406	FLOWING	UNUSED	28	23	27	80	40	34	-	260	4.00	YES	-
BREVARD CO. M.C.	BR412	FLOWING	IRRIGATION	28	0	53	80	32	14	-	-	3.00	YES	-
BREVARD CO. M.C.	BR430	FLOWING	UNUSED	28	21	52	80	41	17	82	152	4.00	YES	-
BREVARD CO. MC	BR210	FLOWING	UNUSED	28	22	47	80	41	5	-	-	4.00	YES	-
BREVARD CO. MC	BR213	FLOWING	UNUSED	28	25	43	80	41	22	-	-	4.00	YES	-
BREVARD CO. MC	BR219	FLOWING	UNUSED	28	26	43	80	43	15	-	-	4.00	YES	-
BREVARD CO. MC	BR238	FLOWING	UNUSED	28	24	16	80	40	46	105	261	4.00	YES	-
BREVARD CO. MC	BR239	FLOWING	UNUSED	28	26	52	80	43	23	-	-	3.00	YES	-
BREVARD CO. MC	BR240	FLOWING	UNUSED	28	27	54	80	43	10	-	-	3.00	YES	-
BREVARD CO. MC	BR241	FLOWING	UNUSED	28	26	2	80	41	45	-	172	4.00	YES	-
BREVARD CO. MC	BR78*	PLUGGED	UNUSED	27	52	8	80	27	17	102	449	4.00	YES	YES
BREVARD CO. MC	BR79*	FLOWING	UNUSED	27	52	6	80	27	25	-	466	4.00	YES	-
BREVARD CO. MC	BR80*	PLUGGED	UNUSED	27	52	27	80	28	3	103	406	4.00	YES	YES
BREVARD CO. MC	BR81*	PLUGGED	UNUSED	27	52	31	80	28	7	103	203	4.00	YES	YES
BREVARD CO. MC	BR82*	PLUGGED	UNUSED	27	53	1	80	28	4	-	-	4.00	YES	-
BREVARD CO. MC	BR83*	PLUGGED	UNUSED	27	53	5	80	28	4	103	465	4.00	YES	YES
BREVARD CO. MC	BR84*	FLOWING	UNUSED	27	53	3	80	28	15	-	-	4.00	YES	-
BREVARD CO. MC	BR85*	PLUGGED	UNUSED	27	53	57	80	28	17	-	-	4.00	YES	-
BREVARD CO. MC	BR86*	PLUGGED	UNUSED	27	54	25	80	28	38	101	358	4.00	YES	YES
BREVARD CO. MC	BR87*	PLUGGED	UNUSED	27	55	18	80	29	36	-	496	4.00	YES	-
BREVARD CO. MC	BR88*	FLOWING	UNUSED	27	55	30	80	29	40	-	-	4.00	YES	-
BREVARD CO. MC	BR89*	FLOWING	UNUSED	27	55	23	80	32	8	-	-	4.00	YES	-
BREVARD CO. MC	BR91*	PLUGGED	UNUSED	27	56	9	80	30	24	-	386	4.00	YES	YES
BREVARD CO. MC	BR92*	FLOWING	UNUSED	27	56	2	80	30	22	-	387	4.00	YES	-
BREVARD CO. MC	BR93*	PLUGGED	UNUSED	27	56	28	80	30	32	103	425	4.00	YES	YES
BREVARD CO. MC	BR94*	FLOWING	UNUSED	27	57	35	80	30	48	-	-	4.00	YES	-
BREVARD CO. MC	BR95*	FLOWING	UNUSED	27	58	58	80	31	18	-	329	4.00	YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
BREVARD COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE			WELL DEPTH	WELL WATER DIAM	WELL WATER QUAL	GEOPHY LOGS
				De	Mi	Se	De	Mi	Se				
BREVARD CO. MC	BR96*	FLOWING	UNUSED	27	58	38	80	31	9	-	346	4.00 YES	-
BREVARD CO. MC	BR97*	FLOWING	UNUSED	27	58	46	80	31	21	-	346	4.00 YES	-
BREVARD CO. MC	BR98*	PLUGGED	UNUSED	28	18	29	80	40	31	-	-	4.00 YES	-
BREVARD COUNTY	BR0640	FLOWING	UNUSED	28	18	31	80	44	48	-	-	6.00 YES	-
BREVARD COUNTY	BR151	FLOWING	IRRIGATION	28	24	20	80	41	35	-	-	4.00 YES	-
BREVARD COUNTY	BR199	FLOWING	IRRIGATION	28	22	13	90	40	47	-	-	4.00 YES	-
BREVARD COUNTY	BR300	FLOWING	IRRIGATION	28	16	59	80	40	7	104	261	4.00 YES	-
BREVARD COUNTY M. C.	BR391	FLOWING	IRRIGATION	28	19	21	80	40	53	-	-	4.00 YES	-
BREWER, GRAY	BR0664	PLUGGED	UNUSED	28	26	22	80	45	34	-	-	2.00 YES	-
C. CRISAFULL	BR242	FLOWING	UNUSED	28	26	24	80	42	48	-	-	4.00 YES	-
C.E. CARRIE	BR261	FLOWING	UNUSED	27	55	48	80	41	35	93	316	4.00 YES	YES
CAPE CANAVERAL AFB	BR599	FLOWING	UNUSED	28	27	32	80	35	50	888	833	4.00 YES	-
CAPE CANAVERAL AFB	BR601	FLOWING	UNUSED	28	29	44	80	32	44	888	838	3.00 YES	-
CAPE CANAVERAL AFS	BR596	FLOWING	UNUSED	28	25	28	80	36	11	888	888	4.00 YES	-
CAPE CANAVERAL AFS	BR597	FLOWING	UNUSED	28	26	21	80	35	59	888	833	4.00 YES	-
CARLYLE PLATT	BR266	FLOWING	UNUSED	27	57	45	80	39	28	-	-	3.00 YES	-
CECIL PLATT	BR372	FLOWING	IRRIGATION	28	4	45	80	42	33	-	-	8.00 YES	-
CHARLES CRISAFULLI	BR243	FLOWING	UNUSED	28	26	23	80	42	57	-	-	4.00 YES	-
CITY OF COCOA BEACH	BR0662	PLUGGED	UNUSED	28	21	15	80	36	20	888	330	4.00 YES	-
CITY OF COCOA BEACH	BR621	FLOWING	UNUSED	28	21	9	80	36	24	-	-	2.00 YES	-
CITY OF EAU GALLIE	BR0688	UNUSED	PUBLIC	28	7	12	80	37	52	110	511	6.00 YES	-
CITY OF EAU GALLIE	BR0693	UNUSED	PUBLIC	28	10	18	80	39	47	888	888	3.00 YES	-
CITY OF MELBOURNE	BR0685	UNUSED	IRRIGATION	28	5	2	80	36	53	-	35	2.00 YES	-
CITY OF MELBOURNE	BR0686	UNUSED	PUBLIC	28	4	59	80	36	53	90	400	6.00 YES	-
CITY OF MELBOURNE	BR0687	UNUSED	IRRIGATION	28	7	52	80	37	33	888	888	2.00 YES	-
CITY OF MELBOURNE	BR0690	UNUSED	PUBLIC	28	7	50	80	38	48	46	65	6.00 YES	-
CITY OF MELBOURNE	BR0691	UNUSED	PUBLIC	28	7	44	80	38	48	3	45	6.00 YES	-
CITY OF MELBOURNE	BR0692	UNUSED	PUBLIC	28	8	10	80	35	46	888	888	2.00 YES	-
CITY OF MELBOURNE	BR351	FLOWING	PUBLIC	28	7	58	80	38	14	-	600	12.00 YES	-
CITY OF PALM BAY	BR282	PLUGGED	UNUSED	28	0	7	80	43	37	87	349	6.00 YES	YES
CITY OF ROCKLEDGE	BR429	PLUGGED	UNUSED	28	19	2	80	44	7	-	-	4.00 YES	-
CORRIGAN	BR246	FLOWING	IRRIGATION	27	49	33	80	35	18	-	-	2.00 YES	-
COTNEY	BR0642	FLOWING	UNUSED	28	24	32	80	42	38	888	888	4.00 YES	-
COUCH PUMPS	BR423	PLUGGED	UNUSED	27	55	53	80	31	38	71	798	12.00 YES	YES
COUCH PUMPS	BR623	PLUGGED	UNUSED	27	55	54	80	31	38	159	628	8.00 YES	YES
COYLE 412 SUNSET BLV	BR436	FLOWING	IRRIGATION	28	4	20	80	33	40	-	-	2.00 YES	-
CRISAFULLI, B.	BR0644	PLUGGED	UNUSED	28	28	8	80	42	21	-	-	4.00 YES	-
DAVENPORT	BR103	FLOWING	UNUSED	27	58	10	80	35	3	-	-	6.00 YES	-
DAVIS	BR0660	PLUGGED	UNUSED	28	15	57	80	40	17	888	261	4.00 YES	-
DE VINCI INC.	BR411	FLOWING	IRRIGATION	27	58	22	80	31	2	-	-	2.00 YES	-
DEER RUN	BR247	FLOWING	STOCK	27	52	26	80	38	23	-	-	2.00 YES	-
DEER RUN	BR248	FLOWING	IRRIGATION	27	52	53	80	38	32	-	399	6.00 YES	-
DEER RUN	BR249	FLOWING	STOCK	27	52	55	80	38	50	-	305	6.00 YES	-
DEER RUN	BR253	FLOWING	IRRIGATION	27	52	7	80	39	51	-	680	6.00 YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
BREVARD COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL			WELL WATER DIAM	GEOPHY LOGS			
				De	Mi	Se	De	Mi	Se			DEPTH	DEPTH	QUAL
DESERET RANCH	BR231	FLOWING	STOCK	28	5	36	80	46	43	-	-	4.00	YES	-
DNR-PARKS AND REC.	BR410	PLUGGED	UNUSED	27	52	17	80	27	21	81	392	4.00	YES	YES
DRAWDY	BR371	FLOWING	DOMESTIC	28	2	18	80	41	7	-	-	4.00	YES	-
E. L. WEGERIF	BR390	FLOWING	UNUSED	28	18	23	80	40	54	-	-	2.00	YES	-
ENTERPRISE INTERNATI	BR432	PLUGGED	UNUSED	28	18	30	80	44	20	84	-	4.00	YES	YES
FLA. STATE MATHERS B	BR379	FLOWING	UNUSED	28	8	57	80	36	24	-	-	2.00	YES	-
FOOSANER	BR0661	PLUGGED	UNUSED	28	27	59	80	41	8	-	220	4.00	YES	-
FOOSANER	BR590	PLUGGED	UNUSED	28	27	56	80	41	8	84	202	3.00	YES	YES
FOOSANER	BR591	PLUGGED	UNUSED	28	27	57	80	41	17	86	183	4.00	YES	YES
FOOSANER	BR594	PLUGGED	UNUSED	28	27	55	80	41	6	36	212	4.00	YES	YES
GDC	BR0646	FLOWING	UNUSED	27	55	52	80	42	22	-	-	6.00	YES	-
GDC	BR0647	FLOWING	UNUSED	27	56	24	80	42	19	-	-	6.00	YES	-
GDC	BR0648	PLUGGED	UNUSED	27	56	57	80	42	2	-	-	6.00	YES	-
GDC	BR0649	FLOWING	UNUSED	27	57	15	80	42	4	-	-	6.00	YES	-
GDC	BR0650	FLOWING	UNUSED	27	56	48	80	41	50	-	-	6.00	YES	-
GDC	BR0651	FLOWING	UNUSED	27	56	3	80	41	57	-	-	6.00	YES	-
GDC	BR0652	PLUGGED	UNUSED	27	56	7	80	42	47	-	-	4.00	YES	-
GDC	BR0653	FLOWING	UNUSED	27	56	15	80	42	32	-	-	6.00	YES	-
GDC	BR0654	FLOWING	UNUSED	27	56	36	80	42	34	-	-	6.00	YES	-
GDC	BR0656	FLOWING	UNUSED	27	56	52	80	42	50	-	-	4.00	YES	-
GDC-CARLYLE PLATT	BR274	FLOWING	STOCK	27	58	12	80	42	18	-	-	6.00	YES	-
GDC-CARLYLE PLATT	BR275	FLOWING	STOCK	27	58	16	80	42	34	-	-	4.00	YES	-
GDC-LOT FOR SALE	BR431	FLOWING	UNUSED	28	0	30	80	39	30	-	-	3.00	YES	-
GEN. DEV. CORP. LAWN	BR369	FLOWING	IRRIGATION	28	1	32	80	34	58	-	-	2.00	YES	-
GEN. DEV. FLOD. CORP	BR370	FLOWING	UNUSED	28	2	32	80	43	27	-	368	5.00	YES	-
GEN. DEVELOP. CORP.	BR225	FLOWING	STOCK	27	58	25	80	42	10	-	-	4.00	YES	-
GEN. DEVELOP. CORP.	BR226	FLOWING	STOCK	27	58	35	80	42	19	-	266	4.00	YES	-
GEN. DEVELOP. CORP.	BR258	PLUGGED	UNUSED	27	54	59	80	40	11	107	336	6.00	YES	YES
GEN. DEVELOP. CORP.	BR259	PLUGGED	UNUSED	27	55	30	80	40	50	124	335	6.00	YES	YES
GEN. DEVELOP. CORP.	BR260	FLOWING	UNUSED	27	55	2	80	40	24	-	389	2.00	YES	-
GEN. DEVELOP. CORP.	BR262	PLUGGED	UNUSED	27	55	46	80	41	45	123	299	6.00	YES	YES
GEN. DEVELOP. CORP.	BR263	PLUGGED	UNUSED	27	56	30	80	41	21	82	378	2.00	YES	YES
GEN. DEVELOP. CORP.	BR264	FLOWING	UNUSED	27	56	56	80	41	21	-	-	2.50	YES	-
GEN. DEVELOP. CORP.	BR265	FLOWING	IRRIGATION	27	56	48	80	42	21	-	322	4.00	YES	-
GEN. DEVELOP. CORP.	BR267	FLOWING	UNUSED	27	57	46	80	41	16	-	299	3.00	YES	-
GEN. DEVELOP. CORP.	BR276	FLOWING	UNUSED	27	59	56	80	39	20	-	-	0.00	YES	-
GEN. DEVELOP. CORP.	BR277	FLOWING	UNUSED	27	59	55	80	39	40	-	-	4.00	YES	-
GEN. DEVELOP. CORP.	BR278	PLUGGED	UNUSED	27	59	26	80	41	46	127	347	4.00	YES	YES
GEN. DEVELOP. CORP.	BR281	FLOWING	UNUSED	28	0	41	80	40	25	-	335	4.00	YES	-
GEN. DEVELOP. CORP.	BR301	FLOWING	UNUSED	27	56	16	80	41	2	-	-	6.00	YES	-
GEN. DEVELOP. CORP.	BR268	FLOWING	IRRIGATION	27	57	25	80	41	4	-	-	4.00	YES	-
GEORGE BALL	BR592	PLUGGED	UNUSED	28	18	45	80	36	36	888	888	4.00	YES	-
GOUGH 504 4TH AVE	BR434	FLOWING	IRRIGATION	28	3	54	80	33	47	150	505	4.00	YES	-
HAPPED	BR234	FLOWING	UNUSED	28	20	40	80	39	51	-	-	0.00	YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
BREVARD COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL		WELL WATER DIAM QUAL	GEOPHY LOGS				
				De	Mi	Se	De	Mi			Se	DEPTH	DEPTH	
HAROLD PLATT	BR279	FLOWING	STOCK	27	59	1	80	43	20	-	364	4.00	YES	-
HAROLD PLATT	BR280	FLOWING	STOCK	27	59	52	80	45	12	-	377	0.00	YES	-
HARVEY RAY	BR415	FLOWING	IRRIGATION	28	17	41	80	41	58	-	-	3.00	YES	-
JACK SIMPSON	BR602	PLUGGED	UNUSED	28	22	18	80	46	43	112	371	4.00	YES	YES
JACK STORY, SR	BR401	FLOWING	STOCK	28	21	50	80	48	58	-	-	6.00	YES	-
JAMESTOWN CONDOS	BR232	FLOWING	UNUSED	28	8	43	80	35	4	-	-	4.00	YES	-
JIM DIDATO	BR359	FLOWING	UNUSED	28	4	47	80	41	41	85	450	4.00	YES	-
KEMPHER	BR228	FLOWING	STOCK	28	4	43	80	50	32	-	295	4.00	YES	-
KEMPHER	BR229	FLOWING	STOCK	28	4	57	80	50	18	-	-	4.00	YES	-
KEMPHER	BR230	FLOWING	STOCK	28	5	30	80	46	44	-	-	4.00	YES	-
LA TURE	BR392	FLOWING	UNUSED	28	16	5	80	40	13	-	-	2.00	YES	-
LONE CABBAGE CAMP	BR204	FLOWING	UNUSED	28	22	7	80	52	18	-	-	2.00	YES	-
LULP LEE 2924 MAIN	BR435	FLOWING	IRRIGATION	28	3	44	80	35	59	-	-	2.00	YES	-
LULP LEE 2924 MAIN	BR435	FLOWING	IRRIGATION	28	3	49	80	35	59	-	-	2.00	YES	-
MARCUS BOOKIE	BR366	FLOWING	IRRIGATION	27	49	21	80	50	33	-	693	5.00	YES	-
MELBOURNE COUNTRY CL	BR0682	UNUSED	IRRIGATION	28	4	40	80	37	42	-	120	0.00	YES	-
MELBOURNE COUNTRY CL	BR0683	UNUSED	IRRIGATION	28	4	40	80	37	42	-	10	0.00	YES	-
MELBOURNE COUNTRY CL	BR0684	UNUSED	IRRIGATION	28	4	40	80	37	42	888	888	2.00	YES	-
MOONEY	BR387	FLOWING	IRRIGATION	28	20	47	80	41	7	-	400	4.00	YES	-
MTDCO	BR365	PLUGGED	UNUSED	27	55	12	80	41	22	-	-	2.00	YES	-
NASA	BR367	PLUGGED	UNUSED	28	34	14	80	39	12	131	225	4.00	YES	YES
NASA	BR587	PLUGGED	UNUSED	28	39	44	80	46	33	112	200	4.00	YES	YES
NASA	BR588	PLUGGED	UNUSED	28	31	34	80	38	2	-	-	4.00	YES	YES
NASA	BR589	PLUGGED	UNUSED	28	28	45	80	39	35	-	-	4.00	YES	YES
NASA	BR595	PLUGGED	UNUSED	28	33	43	80	40	14	83	190	4.00	YES	YES
NASA	BR604	FLOWING	UNUSED	28	33	13	80	39	38	-	-	6.00	YES	-
NASA	BR605	FLOWING	UNUSED	28	27	37	80	40	13	-	-	4.00	YES	-
NASA	BR606	FLOWING	UNUSED	28	29	18	80	39	11	-	-	6.00	YES	-
NASA	BR607	FLOWING	UNUSED	28	29	35	80	39	9	-	-	6.00	YES	-
NASA	BR608	OBSERVATION	UNUSED	28	29	21	80	40	48	140	220	4.00	YES	YES
NASA	BR609	PLUGGED	UNUSED	28	29	7	80	41	1	-	-	8.00	YES	-
NASA	BR610	PLUGGED	UNUSED	28	29	18	80	41	0	-	-	6.00	YES	-
NASA	BR611	FLOWING	UNUSED	28	29	15	80	41	1	-	-	12.00	YES	-
NASA	BR612	FLOWING	UNUSED	28	30	1	80	41	20	-	-	6.00	YES	-
NASA	BR613	FLOWING	UNUSED	28	30	37	80	40	27	-	-	3.00	YES	-
NASA	BR614	FLOWING	UNUSED	28	31	4	80	40	29	-	-	2.00	YES	-
NASA	BR615	FLOWING	UNUSED	28	31	30	80	40	33	-	-	3.00	YES	-
NASA	BR616	FLOWING	UNUSED	28	31	35	80	41	17	-	-	6.00	YES	-
NASA	BR617	FLOWING	UNUSED	28	32	19	80	40	43	-	-	6.00	YES	-
NASA	BR618	FLOWING	UNUSED	28	32	38	80	40	27	-	-	4.00	YES	-
NASA	BR619	FLOWING	UNUSED	28	34	4	80	39	46	-	-	4.00	YES	-
NASA	BR620	FLOWING	UNUSED	28	33	46	80	40	7	-	-	4.00	YES	-
NEVINS	BR428	FLOWING	IRRIGATION	28	18	10	80	44	50	-	-	4.00	YES	-
NORRIS CATTLE CO.	BR408	FLOWING	STOCK	28	36	55	80	57	50	-	-	1.00	YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
BREVARD COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL		WELL WATER DIAM QUAL	GEOPHY LOSS				
				De	Mi	Se	De	Mi			Se	DEPTH	DEPTH	
PATRICK AFB	BR0663	PLUGGED	UNUSED	28	13	6	80	36	24	100	262	6.00	YES	YES
PATRICK AFB	BR0665	UNUSED	IRRIGATION	28	11	30	80	36	17	94	282	4.00	YES	YES
PATRICK AFB	BR0666	UNUSED	IRRIGATION	28	11	22	80	36	14	95	298	3.00	YES	-
PATRICK AFB	BR0667	UNUSED	IRRIGATION	28	11	27	80	36	12	94	357	3.00	YES	-
PATRICK AFB	BR0668	UNUSED	IRRIGATION	28	11	27	80	36	4	95	350	4.00	YES	-
PATRICK AFB	BR0669	UNUSED	IRRIGATION	28	11	24	80	36	5	94	383	4.00	YES	-
PATRICK AFB	BR0670	UNUSED	IRRIGATION	28	11	21	80	35	58	94	297	3.00	YES	-
PATRICK AFB	BR0671	UNUSED	IRRIGATION	28	11	17	80	35	58	94	483	4.00	YES	-
PATRICK AFB	BR0672	UNUSED	IRRIGATION	28	11	19	80	36	9	105	330	3.00	YES	-
PATRICK AFB	BR0673	UNUSED	IRRIGATION	28	11	16	80	36	2	94	444	4.00	YES	-
PATRICK AFB	BR0674	UNUSED	IRRIGATION	28	11	12	80	36	0	94	501	4.00	YES	-
PATRICK AFB	BR0675	UNUSED	IRRIGATION	28	11	15	80	35	51	95	444	4.00	YES	-
PATRICK AFB	BR0676	UNUSED	IRRIGATION	28	11	17	80	35	49	105	355	3.00	YES	-
PATRICK AFB	BR0677	UNUSED	IRRIGATION	28	11	45	80	36	6	95	350	4.00	YES	-
PATRICK AFB	BR0678	UNUSED	IRRIGATION	28	11	42	80	36	12	94	366	3.00	YES	-
PATRICK AFB	BR0679	UNUSED	IRRIGATION	28	11	39	80	36	13	94	386	3.00	YES	-
PATRICK AFB	BR0680	UNUSED	IRRIGATION	28	11	36	80	35	14	95	383	4.00	YES	-
PATRICK AFB	BR0681	UNUSED	IRRIGATION	28	11	33	80	36	11	95	259	4.00	YES	-
FERRY ELISON	BR333	FLOWING	A/C	28	22	32	80	42	46	-	-	2.00	YES	-
PHYLIS TINSLEY	BR419	UNUSED	INDUSTRIAL	28	25	43	80	42	59	-	-	0.00	-	-
POTEET	BR421	FLOWING	STOCK	27	50	45	80	49	46	-	234	6.00	YES	-
PULLEN	BR380	FLOWING	UNUSED	28	13	32	80	38	54	-	-	2.00	YES	-
QUARBURG	BR420	FLOWING	IRRIGATION	27	49	59	80	50	39	-	-	6.00	YES	-
RAY COBBS	BR395	FLOWING	IRRIGATION	28	22	3	80	42	28	80	420	6.00	YES	-
RAY VAN ORSDALE	BR0639	FLOWING	UNUSED	28	9	49	80	38	32	-	-	12.00	YES	-
ROCKLEDGE GOLF COUR	BR235	FLOWING	IRRIGATION	28	20	13	80	44	49	-	-	4.00	YES	-
ROCKLEDGE GOLF COUR	BR236	FLOWING	RECREATION	28	20	8	80	44	42	-	-	4.00	YES	-
ROCKLEDGE GOLF COUR	BR245	FLOWING	IRRIGATION	28	20	2	80	45	6	-	-	4.00	YES	-
SEIB GROVE	BR251	FLOWING	IRRIGATION	27	53	32	80	37	39	-	-	4.00	YES	-
SOMERFIELD	BR331	FLOWING	IRRIGATION	28	13	41	80	39	3	-	325	4.00	YES	-
STEVE FANCZL	BR414	FLOWING	IRRIGATION	28	17	30	80	40	39	-	-	3.00	YES	-
TENDERFOOT RANCH	BR403	FLOWING	IRRIGATION	28	22	24	80	47	1	-	-	4.00	YES	-
TRICO GROVE	BR270	FLOWING	IRRIGATION	27	58	24	80	41	34	-	-	4.00	YES	-
TRIO GROVE	BR271	FLOWING	IRRIGATION	27	58	35	80	41	27	-	-	4.00	YES	-
TRIO GROVE	BR272	FLOWING	IRRIGATION	27	58	35	80	41	37	-	-	4.00	YES	-
TRIO GROVE	BR273	FLOWING	IRRIGATION	27	58	35	80	41	44	-	309	6.00	YES	-
TRIO RIPE GROVE	BR269	FLOWING	IRRIGATION	27	58	22	80	41	22	-	-	6.00	YES	-
UNDETERMINED	BR0643	FLOWING	UNUSED	28	22	5	80	41	53	-	600	4.00	YES	-
UNDETERMINED	BR0659	FLOWING	UNUSED	28	8	0	80	41	59	-	-	4.00	YES	-
UNDETERMINED	BR102	FLOWING	UNUSED	27	57	49	80	32	37	-	-	2.50	YES	-
UNDETERMINED	BR120	FLOWING	UNUSED	28	23	29	80	36	23	-	-	2.00	YES	-
UNDETERMINED	BR182	FLOWING	UNUSED	27	58	23	80	35	2	-	-	6.00	YES	-
UNDETERMINED	BR200	FLOWING	IRRIGATION	28	22	13	80	40	55	-	-	4.00	YES	-
UNDETERMINED	BR237	FLOWING	STOCK	28	21	50	80	51	15	-	-	2.00	YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
BREVARD COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T De Mi Se	L O N De Mi Se	CASE DEPTH	WELL DEPTH	WELL DIAM	WATER QUAL	GEOPHY LOSS
UNDETERMINED	BR244	FLOWING	UNUSED	28 19 57	80 39 52	-	-	2.00	YES	-
UNDETERMINED	BR250	FLOWING	STOCK	27 53 57	80 36 37	-	409	2.00	YES	-
UNDETERMINED	BR252	FLOWING	STOCK	27 53 21	80 39 24	-	-	2.00	YES	-
UNDETERMINED	BR254	FLOWING	STOCK	27 53 25	80 39 16	-	-	2.00	YES	-
UNDETERMINED	BR255	FLOWING	STOCK	27 53 51	80 40 4	-	333	3.00	YES	-
UNDETERMINED	BR256	FLOWING	STOCK	27 53 51	80 40 4	-	-	2.00	YES	-
UNDETERMINED	BR257	FLOWING	STOCK	27 54 16	80 39 4	-	315	6.00	YES	-
UNDETERMINED	BR374	FLOWING	POWER	28 12 30	80 36 26	-	-	6.00	YES	-
UNDETERMINED	BR375	FLOWING	POWER	28 12 34	80 36 29	-	-	6.00	YES	-
UNDETERMINED	BR377	FLOWING	UNUSED	28 10 18	80 37 14	-	-	4.00	YES	-
UNDETERMINED	BR378	FLOWING	UNUSED	28 10 17	80 37 13	-	-	4.00	YES	-
UNDETERMINED	BR384	FLOWING	UNUSED	28 15 38	80 41 5	-	-	4.00	YES	-
UNDETERMINED	BR395	FLOWING	UNUSED	28 16 5	80 39 55	-	-	2.00	YES	-
UNDETERMINED	BR397	FLOWING	UNUSED	28 15 48	80 41 16	-	-	0.00	YES	-
UNDETERMINED	BR400	FLOWING	UNUSED	28 20 45	80 46 34	-	-	6.00	YES	-
UNDETERMINED	BR409	PLUGGED	UNUSED	27 52 11	80 27 22	-	466	4.00	YES	-
UNDETERMINED	BR416	FLOWING	IRRIGATION	28 20 49	80 39 42	-	-	2.00	YES	-
UNDETERMINED	BR417	FLOWING	IRRIGATION	28 23 37	80 36 54	-	-	3.00	YES	-
UNDETERMINED	BR418	FLOWING	IRRIGATION	28 23 59	80 42 34	-	294	3.00	YES	-
UNDETERMINED	BR422	FLOWING	UNUSED	27 51 31	80 27 4	-	-	0.00	YES	-
UNDETERMINED	BR424	FLOWING	UNUSED	27 59 13	80 23 20	-	-	1.50	YES	-
UNDETERMINED	BR425	FLOWING	STOCK	27 59 53	80 44 42	-	-	4.00	YES	-
UNDETERMINED	BR426	FLOWING	UNUSED	28 11 26	80 37 48	-	-	2.00	YES	-
W. C. ROPER	BR413	FLOWING	IRRIGATION	28 7 18	80 37 32	-	-	6.00	YES	-
WARREN WOOTEN	BR396	FLOWING	UNUSED	28 15 52	80 41 10	-	-	6.00	YES	-
WATERWAY ESTATES	BR376	FLOWING	POWER	28 12 43	80 36 29	-	-	2.00	YES	-
WATERWAY ESTATES	BR373	FLOWING	OTHER	28 12 26	80 36 26	-	-	6.00	YES	-
WICKHAM PARK	BR382	FLOWING	RECREATION	28 9 34	80 39 46	105	600	4.00	YES	-
WICKMAN PARK	BR383	FLOWING	RECREATION	28 9 51	80 39 40	105	550	6.00	YES	-
WINDWARD APTS.	BR368	FLOWING	UNUSED	28 2 14	80 37 11	-	-	2.00	YES	-
WOLFMAN	BR99*	PLUGGED	UNUSED	28 13 50	80 40 38	104	141	4.00	YES	YES

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 REPORT ON
 THE FREE FLOWING WELL INVENTORY
 CLAY COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T De Mi Se	L O N De Mi Se	CASE DEPTH	WELL DEPTH	WELL DIAM	WATER QUAL	GEOPHY LOGS
DIV OF FORESTRY	C5***	FLOWING	DOMESTIC	30 3 2	81 42 27	-	-	3.00	YES	-
DRIGGERS	C6***	FLOWING	DOMESTIC	29 51 44	81 37 17	-	600	6.00	YES	-
GEORGE THEOBALD	C-0118	FLOWING	UNUSED	30 5 51	81 46 1	-	-	6.00	YES	-
JENNINGS	C10**	FLOWING	UNUSED	30 8 50	81 55 20	300	330	3.00	YES	-
L. J. IVEY	C1***	FLOWING	DOMESTIC	30 0 48	81 41 43	300	365	3.00	YES	-
STOKE	C8***	FLOWING	UNUSED	30 4 45	81 48 55	-	-	6.00	YES	-
STOKE	C9***	FLOWING	RECREATION	30 4 55	81 49 11	-	-	4.00	YES	-
TEMPLIN	C11**	FLOWING	UNUSED	30 0 30	81 41 38	-	-	6.00	YES	-
TEMPLIN	C12**	FLOWING	UNUSED	30 0 31	81 41 41	-	-	3.00	YES	-
UNDETERMINED	C13**	FLOWING	UNUSED	30 6 20	81 46 28	-	-	6.00	YES	-

10

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 REPORT ON
 THE FREE FLOWING WELL INVENTORY
 DUVAL COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL			WELL WATER		GEOPHY LOGS		
				De	Mi	Se	De	Mi	Se	DEPTH	DEPTH		DIAM	QUAL
CITY OF JACKSONVILLE	D433*	FLOWING	UNUSED	30	17	23	81	42	51	-	-	4.00	YES	-
F.E.C. RAILWAY	D426*	FLOWING	UNUSED	30	7	55	81	30	57	-	-	3.00	YES	-
G.A. MHOON	D431*	FLOWING	UNUSED	30	21	9	81	28	40	-	-	3.00	YES	-
HAROLD P. OMERANTE	D432*	FLOWING	UNUSED	30	24	37	81	42	9	-	-	4.00	YES	-
MERIL CORP	D434*	FLOWING	UNUSED	30	24	41	81	25	34	-	742	4.00	YES	-
ROMCO	D435*	FLOWING	UNUSED	30	17	33	81	43	17	-	-	10.00	YES	-
UNDERTIMINED	D428*	FLOWING	UNUSED	30	23	18	81	36	47	-	-	6.00	YES	-
UNDERTIMINED	D429*	FLOWING	UNUSED	30	23	5	81	36	54	-	-	0.00	YES	-
UNDERTIMINED	D430*	FLOWING	UNUSED	30	23	18	81	30	19	-	-	3.00	YES	-
UNDETERMINED	D436*	FLOWING	UNUSED	30	11	35	81	34	13	-	-	3.00	YES	-
UNDETERMINED	D437*	FLOWING	UNUSED	30	7	37	81	30	4	-	-	3.00	YES	-
WALDON POND SOCIETY	D427*	FLOWING	UNUSED	30	16	58	81	34	4	-	-	3.00	YES	-

12

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
FLAGLER COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL			WELL WATER		GEOPHY LOGS		
				De	Mi	Se	De	Mi	Se	DEPTH	DEPTH		DIAM	QUAL
ARMOND FISHETTE	F221*	PLUGGED	UNUSED	29	35	1	81	11	49	888	888	6.00	YES	-
ARMOND FISHETTE	F222*	PLUGGED	UNUSED	29	35	4	81	11	50	888	888	6.00	YES	-
HAMMOCK BAPTIST CHUR	F220*	PLUGGED	UNUSED	29	35	47	81	11	47	-	-	4.00	YES	-
HODGES	F-0237	PLUGGED	UNUSED	29	25	17	81	25	42	-	-	2.00	YES	-
HODGES	F-0238	PLUGGED	UNUSED	29	25	17	81	25	43	-	-	2.00	YES	-
IHLENFELDT	F-0253	PLUGGED	UNUSED	29	36	28	81	12	3	147	153	4.00	YES	YES
ITT PALM COAST	F223*	PLUGGED	UNUSED	29	35	0	81	11	35	888	888	6.00	YES	-
PUBLIC DOMAIN	F-0239	FLOWING	UNUSED	29	25	25	81	25	30	-	-	2.00	YES	YES
PUBLIC DOMAIN	F207*	PLUGGED	UNUSED	29	34	1	81	11	11	-	-	6.00	YES	-
SHAEFFER	F224*	PLUGGED	UNUSED	29	29	11	81	8	3	888	888	2.00	YES	-
SHOW, GEARLDINE	F-0254	PLUGGED	UNUSED	29	37	9	81	12	19	-	-	4.00	YES	-
UNDETERMINED	F134	PLUGGED	UNUSED	29	33	38	81	10	5	134	152	4.00	YES	-
UNDETERMINED	F209*	PLUGGED	UNUSED	29	25	23	81	25	38	-	-	6.00	YES	-
UNDETERMINED	F210*	FLOWING	STOCK	29	25	22	81	25	38	-	-	3.00	YES	-
UNDETERMINED	F211*	FLOWING	STOCK	29	25	28	81	25	49	-	-	3.00	YES	-
UNDETERMINED	F212*	FLOWING	STOCK	29	25	28	81	25	53	-	-	4.00	YES	-
UNDETERMINED	F213*	PLUGGED	UNUSED	29	25	19	81	25	53	-	-	0.00	YES	-
UNDETERMINED	F214*	FLOWING	UNUSED	29	25	21	81	25	53	-	-	0.00	YES	-
WASHINGTON OAKS S.P.	F208*	OBSERVATION	UNUSED	29	37	58	81	12	32	-	380	4.00	YES	YES
WESTBROOK, J.H	F-0255	PLUGGED	UNUSED	29	33	52	81	11	1	87	138	2.00	YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
INDIAN RIVER COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T De Mi Se	L O N De Mi Se	CASE DEPTH	WELL DEPTH	WELL WATER DIAM QUAL	GEOPHY LOGS
GDC	IR99*	FLOWING	RECREATION	27 47 19	80 27 25	-	-	3.00 YES	-
I. R. COUNTY MC.	IR41*	FLOWING	UNUSED	27 51 6	80 26 42	-	-	4.00 YES	-
J.V.D'ALBORA CO.	IR271	FLOWING	UNUSED	27 46 53	80 25 9	-	-	8.00 YES	-
JOHN MCCUE	IR0351	FLOWING	UNUSED	27 38 31	80 27 54	-	-	4.00 YES	-
KNIGHT, C. REED	IR273	FLOWING	IRRIGATION	27 39 49	80 23 21	-	-	6.00 YES	-
KRAFT, KURT H.	IR200	FLOWING	IRRIGATION	27 37 20	80 22 56	-	-	6.00 YES	-
MARTIN, GREGORY-TRUS	IR272	FLOWING	UNUSED	27 40 3	80 23 17	-	-	6.00 YES	-
STRAZZULLA BROS, INC	IR199	FLOWING	IRRIGATION	27 37 19	80 22 56	-	-	6.00 YES	-
U.S. GOVT.	IR198	FLOWING	IRRIGATION	27 37 19	80 22 56	-	940	6.00 YES	-
UNDETERMINED	IR42*	FLOWING	IRRIGATION	27 51 11	80 26 44	-	-	4.00 YES	-
VERO BEACH FARMS	IR237	FLOWING	DOMESTIC	27 45 23	80 30 42	-	-	6.00 YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 REPORT ON
 THE FREE FLOWING WELL INVENTORY
 LAKE COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL		WELL WATER		GEOPHY LOGS			
				De	Mi	Se	De	Mi	Se	DEPTH		DEPTH	DIAM	QUAL
A.M. COLLINS, JR	L1***	FLOWING	RECREATION	29	10	27	81	32	11	-	-	10.00	YES	-
U.S. FOREST SERVICE	L-0060	FLOWING	UNUSED	29	0	31	81	23	28	-	-	6.00	YES	-
UNDETERMINED	L2***	FLOWING	OTHER	29	10	2	81	31	27	-	-	4.00	YES	-

3

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 REPORT ON
 THE FREE FLOWING WELL INVENTORY
 MARION COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N			WELL DEPTH	WELL DEPTH	WELL WATER DIAM QUAL	GEOPHY LOGS
				De	Mi	Se	De	Mi	Se				
COUNTY RIGHT OF WAY	M2***	FLOWING	UNUSED	29	11	2	81	59	33	-	-	4.00 YES	-
G.C. HEINEMANN	M4***	FLOWING	OTHER	29	17	43	81	35	15	-	-	6.00 YES	-
HASTINGS & GREEN	M-0043	FLOWING	UNUSED	29	23	49	82	5	26	888	888	6.00 YES	-
HEINEMANN, G.C.	M5***	FLOWING	OTHER	29	17	43	81	35	15	-	-	4.00 YES	-
LARRY MOODY	M7***	FLOWING	RECREATION	29	17	38	81	35	20	-	-	6.00 YES	-
PONDEROSA SHORES, IN	M9***	FLOWING	OTHER	29	17	17	81	35	3	-	-	6.00 YES	-
PONDEROSA SHORES, I	M8***	FLOWING	OTHER	29	17	27	81	35	4	-	-	6.00 YES	-
UNDETERMINED	M3***	FLOWING	OTHER	29	17	49	81	35	34	-	-	6.00 YES	-
UNDETERMINED	M6***	FLOWING	UNUSED	29	17	40	81	35	12	-	-	4.00 YES	-
VANCE, BILL	M1***	FLOWING	UNUSED	29	27	28	81	55	7	-	-	4.00 YES	-

10

PROPERTY OF
 ST. JOHNS RIVER WATER
 MANAGEMENT DISTRICT

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 REPORT ON
 THE FREE FLOWING WELL INVENTORY
 NASSAU COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N CASE WELL		WELL WATER		GEOPHY LOGS			
				De	Mi	Se	DEPTH	DEPTH	DIAM	QUAL				
JOHNSON LAKE	N21**	FLOWING	UNUSED	30	35	49	81	38	54	-	-	2.00	YES	-
UNDETERMINED	N20**	FLOWING	DOMESTIC	30	34	5	81	31	18	-	-	4.00	YES	-

2

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 REPORT ON
 THE FREE FLOWING WELL INVENTORY
 ORANGE COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T De Mi Se	L O N CASE De Mi Se	WELL DEPTH	WELL DEPTH	WELL WATER DIAM QUAL	GEOPHY LOGS
CITY RIGHT OF WAY	OR1**	FLOWING	UNUSED	28 32 14	80 58 34	-	-	2.00 YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
PUTNAM COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N			CASE DEPTH	WELL DEPTH	WELL DIAM	WATER QUAL	GEOPHY LOGS
				De	Mi	Se	De	Mi	Se					
CORPS OF ENGINEERS	P-0306	FLOWING	OTHER	29	33	0	81	52	39	105	189	8.00	YES	-
GEORGIA PACIFIC	P434*	FLOWING	UNUSED	29	40	28	81	39	37	-	-	2.00	YES	-
MEELEY REED	P433*	FLOWING	RECREATION	29	21	38	81	37	51	-	-	4.00	YES	-
RAFAEL PUIG	P428*	FLOWING	UNUSED	29	45	16	81	34	56	-	-	6.00	YES	-
RAVINE STATE GARDENS	P418*	FLOWING	UNUSED	29	37	59	81	38	34	-	-	3.00	YES	-
RAVINES STATE GARDEN	P-0454	FLOWING	UNUSED	29	37	50	81	38	53	888	888	4.00	YES	-
RAVINES STATE GARDEN	P-0455	FLOWING	UNUSED	29	37	50	81	38	51	888	888	4.00	YES	-
RAVINES STATE GARDEN	P-0456	FLOWING	UNUSED	29	37	50	81	38	50	888	888	4.00	YES	-
RAVINES STATE GARDEN	P-0457	FLOWING	UNUSED	29	37	54	81	38	46	888	888	2.00	YES	-
RAVINES STATE GARDEN	P-0458	FLOWING	UNUSED	29	38	5	81	38	52	888	888	2.00	YES	-
RAVINES STATE GARDEN	P-0459	FLOWING	UNUSED	29	38	6	81	38	53	888	888	2.00	YES	-
ROBERT REVEL	P-0453	FLOWING	UNUSED	29	39	57	81	34	6	-	-	4.00	YES	-
S.C.L. RAILROAD	P425*	FLOWING	UNUSED	29	35	45	81	40	59	-	-	2.00	YES	-
TILTON	P-0452	FLOWING	UNUSED	29	40	10	81	34	29	-	-	4.00	YES	-
UNDETERMINED	P-0017	UNUSED	UNUSED	29	34	39	81	52	42	-	-	3.00	YES	-
UNDETERMINED	P414*	FLOWING	UNUSED	29	35	31	81	37	41	-	-	3.00	YES	-
UNDETERMINED	P415*	FLOWING	OTHER	29	26	34	81	35	33	-	-	0.00	YES	-
UNDETERMINED	P419*	FLOWING	UNUSED	29	41	45	81	37	23	-	-	2.00	YES	-
UNDETERMINED	P424*	FLOWING	UNUSED	29	40	12	81	36	51	-	-	4.00	YES	-
UNDETERMINED	P429*	FLOWING	UNUSED	29	39	42	81	36	12	-	-	4.00	YES	-
UNDETERMINED	P430*	FLOWING	UNUSED	29	41	10	81	35	33	-	-	4.00	YES	-
UNDETERMINED	P431*	FLOWING	UNUSED	29	26	7	81	31	55	-	-	6.00	YES	-
UNDETERMINED	P432*	FLOWING	UNUSED	29	40	32	81	37	29	-	-	4.00	YES	-
UNDETERMINED	P448*	FLOWING	UNUSED	29	37	59	81	38	35	-	-	4.00	YES	-
UNDETERMINED	P449*	FLOWING	UNUSED	29	33	58	81	43	39	-	-	4.00	YES	-
WHITEHEAD	P-463	FLOWING	STOCK	29	37	7	81	37	47	-	-	4.00	YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
ST. JOHNS COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T			L O N			CASE WELL DEPTH	WELL DEPTH	WELL WATER DIAM QUAL	GEOPHY LOGS
				De	Mi	Se	De	Mi	Se				
ARNOLD JACK	SJ0008	UNUSED	INDUSTRIAL	28	55	52	81	33	17	888	888	4.00 YES	-
BEN ROBINSON	SJ0531	FLOWING	UNUSED	29	51	14	81	29	49	-	-	4.00 YES	-
DAVIS, J.E.	SJ521	PLUGGED	UNUSED	30	4	5	81	23	16	-	-	3.00 YES	-
FRAZIER	SJ0018	UNUSED	INDUSTRIAL	30	0	53	81	35	8	888	888	4.00 YES	-
GUANO WILDLIFE MGT.	SJ502	FLOWING	OTHER	30	5	33	81	21	5	-	-	4.00 YES	-
GULF STREAM LAND & D	SJ508	FLOWING	UNUSED	30	3	38	81	38	39	-	-	12.00 YES	-
HALLS NURSERY	SJ0015	UNUSED	INDUSTRIAL	29	56	29	81	33	41	888	888	4.00 YES	-
PUBLIC DOMAIN	SJ518	FLOWING	UNUSED	29	51	44	81	15	56	888	888	6.00 YES	-
ST JOHNS CTY R OF WA	SJ513	FLOWING	UNUSED	29	54	57	81	26	43	-	-	4.00 YES	-
ST. REGIS	SJ507	FLOWING	UNUSED	30	3	54	81	22	22	-	-	4.00 YES	-
STEVE GREEN	SJ511	FLOWING	UNUSED	29	55	14	81	19	59	-	1500	6.00 YES	-
TUGGEL	SJ0006	UNUSED	INDUSTRIAL	29	56	36	81	32	22	888	888	888.00	-
UNDETERMINED	SJ509	FLOWING		30	3	55	81	23	9	-	-	4.00 YES	-
UNDETERMINED	SJ0529	FLOWING	UNUSED	29	41	1	81	29	4	-	-	6.00 YES	-
UNDETERMINED	SJ0530	FLOWING	UNUSED	29	40	52	81	29	6	-	-	6.00 YES	-
UNDETERMINED	SJ505	FLOWING	UNUSED	29	57	51	81	26	53	-	-	4.00 YES	-
UNDETERMINED	SJ506	FLOWING	UNUSED	29	56	46	81	26	38	-	-	4.00 YES	-
UNDETERMINED	SJ510	FLOWING	UNUSED	29	55	6	81	19	9	-	-	6.00 YES	-
UNDETERMINED	SJ512	FLOWING	UNUSED	29	49	23	81	16	23	-	-	6.00 YES	-
UNDETERMINED	SJ514	FLOWING	UNUSED	30	7	38	81	23	4	-	-	6.00 YES	-
UNDETERMINED	SJ519	FLOWING	UNUSED	29	55	39	81	17	44	888	888	6.00 YES	-
UNDETERMINED	SJ520	FLOWING	UNUSED	29	55	36	81	17	43	888	888	4.00 YES	-
WELATKA FRUIT CO	SJ0523	FLOWING	UNUSED	29	41	34	81	29	36	51	524	6.00 YES	YES
WELATKA FRUIT CO	SJ0524	FLOWING	UNUSED	29	41	36	81	29	36	55	516	6.00 YES	YES
WELATKA FRUIT CO	SJ0525	FLOWING	UNUSED	29	41	29	81	29	36	60	503	6.00 YES	YES
WELATKA FRUIT CO	SJ0526	FLOWING	UNUSED	29	41	26	81	29	36	81	484	6.00 YES	YES
WELATKA FRUIT CO	SJ0528	FLOWING	UNUSED	29	40	50	81	29	44	-	-	6.00 YES	-
WELATKA FRUIT CO.	SJ0522	FLOWING	UNUSED	29	41	37	81	29	36	60	510	6.00 YES	YES
WELATKA FRUIT CO.	SJ0527	FLOWING	UNUSED	29	41	31	81	29	43	-	-	6.00 YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 REPORT ON
 THE FREE FLOWING WELL INVENTORY
 SEMINOLE COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T De Mi Se	L O N De Mi Se	CASE DEPTH	WELL DEPTH	WELL DIAM	WATER QUAL	GEOPHY LOGS
COUNTY RIGHT OF WAY	S1***	FLOWING	UNUSED	29 44 4	81 16 26	-	-	2.00	YES	-
STATE RIGHT OF WAY	S2***	FLOWING	PUBLIC	29 43 5	81 19 20	-	-	3.00	YES	-
UNDETERMINED	S3***	FLOWING	RECREATION	29 40 10	81 26 28	-	-	2.00	YES	-

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
REPORT ON
THE FREE FLOWING WELL INVENTORY
VOLUSIA COUNTY

OWNER	WELL ID	STATUS	WELL USE	L A T De Mi Se	L O N De Mi Se	CASE DEPTH	WELL DEPTH	WELL WATER DIAM QUAL	GEOPHY LOGS
A. RICH	V-0159	PLUGGED	UNUSED	28 56 45	80 52 35	-	125	6.00 YES	-
CITY OF DAYTONA B	V-0200	OBSERVATION	UNUSED	29 10 31	80 59 4	107	160	10.00 YES	YES
CITY OF NEW SMYRNA B	V-0180	FLOWING	INDUSTRIAL	29 1 3	80 55 19	130	998	12.00 YES	YES
J.E. PEARSON	V55**	FLOWING	UNUSED	29 56 21	81 5 38	-	-	1.00 YES	-
J.E. PEARSON	V56**	FLOWING	DOMESTIC	29 56 21	81 5 38	-	-	2.00 YES	-
L. WOODRUFF WILDLIFE	V54**	PLUGGED	UNUSED	29 3 24	81 22 22	-	-	3.00 YES	-
LAWERENCE FARMS, INC	V51**	PLUGGED	UNUSED	29 7 52	81 21 9	-	-	8.00 YES	-
LAWERENCE FARMS, INC	V52**	PLUGGED	UNUSED	29 7 48	81 21 9	-	-	8.00 YES	-
LAWERENCE FARMS, INC	V53**	PLUGGED	UNUSED	29 7 46	81 21 9	-	-	8.00 YES	-
MURRY SAMS	V49**	FLOWING	UNUSED	29 8 5	81 21 53	-	-	12.00 YES	-
MURRY SAMS	V50**	FLOWING	UNUSED	29 8 5	81 21 56	-	-	8.00 YES	-
STONE IS. HOMEOWNERS	V57**	FLOWING	UNUSED	29 50 42	81 14 8	-	-	8.00 YES	-
STONE IS. HOMEOWNERS	V58**	FLOWING	UNUSED	29 50 44	81 14 1	-	-	3.00 YES	-
UNDETERMINED	V-0094	FLOWING	UNUSED	29 51 44	81 52 21	-	-	8.00 YES	-
UNDETERMINED	V-0096	FLOWING	UNUSED	28 52 13	81 16 55	-	-	0.00 YES	-
UNDETERMINED	V-0158	FLOWING	UNUSED	29 0 30	81 22 53	-	-	4.00 YES	-
UNDETERMINED	V-0201	FLOWING	UNUSED	29 1 48	80 57 28	-	-	6.00 YES	-
UNDETERMINED	V59**	FLOWING	UNUSED	28 52 45	81 21 43	-	-	3.00 YES	-
UNDETERMINED	V60**	FLOWING	UNUSED	29 15 3	81 7 18	-	-	4.00 YES	-
UNDETERMINED	V61**	FLOWING	UNUSED	29 5 13	81 2 47	-	-	3.00 YES	-
UNION BAG	V-0154	PLUGGED	UNUSED	29 15 43	81 32 6	90	116	2.00 YES	-
VOLUSIA COUNTY	V-0182	FLOWING	UNUSED	29 1 34	80 57 27	-	-	2.00 YES	-
M.L. TOMPKINS-LEASEE	V-0095	FLOWING	STOCK	29 10 15	81 21 57	-	-	4.00 YES	-

23

401

WELL DATA BASE HEADER FILE

STATION CODE 02	LATITUDE	LONGITUDE	STATION ID	HYDROLOGIC UNIT	COUNTY CODE
STATION NAME	TOPO QUAD		SECTION	TNSP	RNGE
PROJECT NO. 2,0,0,1,8,0,2	AQUIFER	DEPTH	CASING	WELL PENETRATION	DIAMETER
DATE DRILLED	WELL USE CODE	LEVELS	RECORDER	GW Y E	OWNERS NAME
OWNERS NAME (CONTINUED)	PERIOD OF RECORD YEARS	MOS.	STATUS	FREQUENCY	
EXTREME HIGH DAY MONTH YEAR	STAGE	EXTREME LOW DAY MONTH YEAR	STAGE		
MEASURING POINT (LSD)	MEASURING POINT (MSL)	MP CODE	PUMP TEST	GP LOG	GL LOG
DATA SOURCE	COMMENTS (72 SPACES)				

WATER QUALITY FILE

PRIMARY KEY

STATION CODE 02	LATITUDE	LONGITUDE	STATION ID	MONTH	DAY	YEAR	TIME
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SECONDARY KEY

STATION(SAMPLE) NAME						
COUNTY NO.	A	Y	M	D		

PARAMETERS

0.0.0.1.0	TEMPERATURE (°C)	0.0.4.4.0	BICARBONATE	7.2.0.1.9	WATER LEVEL (LSD)
0.0.9.1.5	CALCIUM	0.0.4.4.5	CARBONATE	7.2.0.2.0	WATER LEVEL (MSL)
0.0.9.2.5	MAGNESIUM	0.1.0.4.6	IRON	7.2.0.0.0	ELEVATION LSD
0.0.9.3.0	SODIUM	0.0.9.5.0	FLUORIDE		
0.0.9.3.5	POTASSIUM	0.1.0.8.0	STRONTIUM		
0.0.0.9.5	SPECIFIC CONDUCT.	0.0.4.8.0	SALINITY		
0.0.9.4.0	CHLORIDE	0.0.0.5.8	WELL YIELD (GPM)		
0.0.9.4.5	SULFATE	0.0.9.0.0	TOTAL HARDNESS		
0.0.7.4.6	SULFIDE	0.0.9.0.2	NON-CARB. HARD.		
0.0.4.0.0	PH (FIELD)	7.0.3.0.0	DISSOLVED SOL.(PES.)		
0.0.4.1.0	TOTAL ALKALINITY	7.0.3.0.1	DISSOLVED SOL.(SUM)		

SW-3 FORM 11/10/80

(Reduced from 8-1/2" X 14" Originals.)

APPENDIX D
CONTRACTUAL AND COOPERATIVE AGREEMENTS

COOPERATIVE AGREEMENT BETWEEN
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
AND BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

A G R E E M E N T

Between The
St. Johns River Water Management District
And The
Brevard County Board of County Commissioners

THIS AGREEMENT is entered into on the 13th day of January, 1982, by and between the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, hereinafter the "DISTRICT", and the BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS, hereinafter "BREVARD COUNTY".

WHEREAS, the waters of the state are among its basic resources and it has been declared to be the policy of the legislature to promote the conservation, development, and proper utilization of surface and ground water, and

WHEREAS, a hydrologically isolated lens of fresh water has been identified in the Floridan aquifer in the South Beaches area of Brevard County, and that some of this fresh water is currently being lost through free flowing wells, and

WHEREAS, proper management of this freshwater resource is necessary to protect the water users' health, safety and welfare and to extend the life of the potable water supply, and

WHEREAS, BREVARD COUNTY, based on information from its "208" program and other water resources activities, has declared this waste of fresh water to be an emergency, and

WHEREAS, BREVARD COUNTY has received under separate agreement a commitment from a private interest to fund a separable portion of this problem, and

WHEREAS, BREVARD COUNTY has requested the DISTRICT to participate in a cooperative water resource conservation and protection program, and

WHEREAS, the DISTRICT has been established to manage water resources within its geographical area.

IN CONSIDERATION of these premises and the mutual covenants and agreements hereinafter contained, it is agreed as follows:

1) THE DISTRICT

A) Shall obligate up to a sum of Twenty-Five Thousand Dollars (\$25,000) for services related to the plugging of the uncontrolled free flowing wells identified in Exhibit A.

B) Shall be responsible for administering and letting of bids and administration of subcontract work for the plugging of uncontrolled free flowing wells in accordance with DISTRICT policy and up to a maximum of Fifty Thousand Dollars (\$50,000). The DISTRICT shall provide BREVARD COUNTY with a copy of the bid specification for BREVARD COUNTY'S review and approval prior to notice for bids. Notice for bids shall be published in a newspaper of general circulation in Brevard County.

C) Will invoice BREVARD COUNTY upon execution of each contract as they are awarded for one-half (1/2) of the amount obligated for said service to be performed. The DISTRICT shall certify that the work has been satisfactorily completed by copy to Brevard of a paid bill to the contractor.

D) Shall provide the necessary professional and technical support to properly address all aspects of this program.

E) DISTRICT shall provide to BREVARD COUNTY monthly progress report of work contracted.

2) BREVARD COUNTY

A) Shall obligate up to a sum of Twenty-Five Thousand Dollars (\$25,000) for services relating to the plugging of uncontrolled free flowing wells identified in Exhibit A and shall share expenses on a 50% basis with the DISTRICT for the services described in paragraph 1B above.

B) Will pay the DISTRICT for work invoiced by the DISTRICT up to a maximum of \$25,000.00 for work described in paragraph 1B above.

C) Shall be responsible for obtaining the consent of owner to plug free flowing wells and licenses for performing the above mentioned work.

3) DISTRICT and BREVARD COUNTY shall prepare a final report.

4) This agreement shall be effective upon the execution thereof and shall continue until September 30, 1982, except that performance of a contract executed prior to September 30, 1982, shall continue beyond that date and performance under Paragraph 5 shall continue beyond that date.

5) The DISTRICT agrees to indemnify and hold harmless BREVARD of and BREVARD agrees to indemnify and hold DISTRICT harmless of any liability

arising out of negligent acts of the DISTRICT and BREVARD, respectively, performed under this agreement.

IN WITNESS WHEREOF, the parties hereto have duly executed this agreement on the date and year ascribed above.

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

By: *James J. Lynne*
Chairman

ATTEST:

James C. [unclear]
Secretary

Cher Henderson
Legal Form Content Approved

BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

By: *Joe H. Wickham*
Joe H. Wickham, Chairman 1/14/82

ATTEST:

See instead
R. C. Winstead, Jr., Clerk

COOPERATIVE AGREEMENT BETWEEN
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
AND THE CITY OF DAYTONA BEACH

AGREEMENT
BETWEEN
THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
AND
THE CITY OF DAYTONA BEACH

THIS AGREEMENT is entered into on the 26th day of MARCH, 1985, by and between the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, hereinafter the "DISTRICT," and the CITY OF DAYTONA BEACH, hereinafter the "CITY," a political subdivision of the State of Florida.

WHEREAS, the waters of the state are among its basic resources and it has been declared to be the policy of the Legislature to promote the conservation, development, and proper utilization of surface and ground water, and

WHEREAS, the Legislature has directed the water management districts of the state in Section 373.207 (8)(a), Florida Statutes, to locate all known abandoned artesian wells and insure that each such well is plugged on or before January 1, 1992, and

WHEREAS, proper management of artesian wells is necessary to protect the public health, safety and welfare and to extend the life of the ground water supplies, and

WHEREAS, the DISTRICT has been established to manage water resources within its geographical area, and

WHEREAS, the CITY and the DISTRICT desire to jointly fund the plugging of an uncontrolled artesian well located in the City of Daytona Beach, and

WHEREAS, it has been determined that the well adversely impacts the local water resource, and

WHEREAS, the CITY and the DISTRICT intend to have the plugging of the uncontrolled artesian well performed by a qualified independent contractor,

NOW THEREFORE, in consideration of the foregoing premises, which are part of the consideration herein, the parties hereto do mutually agree as follows:

1. The DISTRICT will:
 - A. Obligate for the purposes of this Agreement monies (not to exceed \$10,000.00) to provide independent contractual services. Said funds are budgeted in Fiscal Year 1984/85 in Project No. 28-018-02;
 - B. Secure the services of a qualified water well contractor;
 - C. Enter into a contract with the water well contractor and then administer the contract as follows:
 - 1) control sub-contracting of services by the contractor who is a party to a contract with the DISTRICT requiring that no sub-contract can be entered into unless the DISTRICT first approves the sub-contractor as being qualified;
 - 2) do such other things as are necessary to administer the contract;
 - D. Provide the professional and technical support to the water well contractor that enters into a contract with the DISTRICT that is necessary to properly address all aspects of the purposes of the Agreement;
 - E. Provide a completion report to the CITY regarding the progress of the work.
2. The CITY will obligate for the purposes of the Agreement monies (not to exceed \$5,000.00) to provide the necessary materials (i.e. cement and grout materials) needed to complete the plugging of the well.
3. This Agreement shall be effective upon the execution thereof and shall continue until January 1, 1986, except that performance of the contract contemplated herein that is not performed prior to January 1, 1986, shall be performed beyond that date and performance under Paragraph 4 shall continue beyond that date.
4. The DISTRICT agrees to indemnify and hold harmless the CITY for any tort liability that may be imposed on the CITY due to the action or inaction of the DISTRICT while executing its responsibilities under this Agreement, and the CITY agrees to indemnify and hold the DISTRICT harmless for any tort liability that may be imposed on the DISTRICT due to the action or inaction of the CITY while executing its responsibilities under this Agreement.

**GENERAL CONTRACTUAL AGREEMENT
BETWEEN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
AND MERIDITH CORPORATION**

CONTRACT AGREEMENT

THIS AGREEMENT made and entered into this 27 day of December, in the year 1984, by and between the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, as party of the First part, hereinafter called the Owner, and Meridith Corporation, party of the Second Part, hereinafter called the Contractor.

WITNESSETH, that the said Contractor, for and in consideration of the payments hereinafter specified and agreed to be made by the Owner, hereby covenants and agrees to furnish and deliver all the materials, to do and perform all the work and labor required to be furnished, delivered, done and performed for the plugging of uncontrolled artesian wells in Brevard and Indian River counties, Florida in accordance with the proposal herein, and to complete the work in entire conformity with the Contract Documents and Specifications for Well Plugging Program in Brevard County and Indian River County, Bid No. 85-02, on file at the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, which are duly approved and which said Contract Documents and Specifications are hereby made part of this Agreement as fully and with the same effect as if the same had been set forth at length in the body of this Agreement.

The Contractor shall complete the Work within one year of the date of the Notice to Proceed. Time is of the essence of this Contract Agreement.

The Contractor agrees to make payment to subcontractors of all proper charges for labor and materials required in the aforementioned work, and to defend, indemnify, and save harmless the Owner and all of its officers, agents and servants, and each and every one of them, against and from all damages to which the said Owner or any of their officers, agents, employees or servants may be put, by reason of injury to the persons or property of others resulting from the performance of said Work, or through the negligence of the Contractor, or through any improper or defective machinery, implements or appliances used by the Contractor in the aforesaid Work or through any act or omission on the part of the Contractor, his agents, employees, servants or any other person or entity for whom the Contractor is responsible.

If the Contractor shall fail to comply with any of the terms, conditions, provisions, or stipulations of this Contract, according to the true intent and meaning thereof, then the Owner may avail himself of any or all remedies provided in the Contract

and shall have the right and power to proceed in accordance with the provisions thereof.

It is also agreed and understood that the acceptance by the Contractor of final payment by the Owner shall be considered as a release in full of all claims of Contractor against the Owner or any of its members, agents and employees arising out of, or by reason of, the work done and materials furnished under this Contract.

In consideration of the premises, the Owner will pay to the Contractor for the said Work, when fully completed, the Total Bid Price of \$82.00 per hour rig time, and \$60.00 per hour standby time, subject to such additions and deductions as may be provided for in the Contract Documents. Payments shall be made upon the terms set forth in the Contract Documents, in a total amount not to exceed \$30,000..

Unless otherwise declared in an addendum hereto, Contractor warrants to Owner that no member, officer or employee of the Owner has any material interest (as defined in Section 112.312(1), Florida Statutes), either directly or indirectly, in the business of the Contractor to be conducted hereunder, and that no such person shall have any such interest at any time during the term hereof.

IN WITNESS WHEREOF, the said ST. JOHNS RIVER WATER MANAGEMENT DISTRICT has caused this Contract to be executed in its name by its Chairman, attested by its Secretary, and has caused its seal to be hereto attached; and the Contractor has caused this Contract to be executed in its name by its duly authorized representatives, and, if appropriate, has caused the seal of the corporation to be hereunto attached, all on the day and year first above written.

Signed, sealed and delivered
in the presence of:

ST. JOHNS RIVER WATER
MANAGEMENT DISTRICT

BY:

Idwal H. Owen, Jr. Chairman

Attest:

Lynne C. Capehart Secretary

(SEAL)

(CORPORATE CONTRACTOR)

Meridith Corporation

By: Eugene E. Pupa
Senior Vice President

Attest: Jamer T Houck
Secretary

(CORPORATE SEAL)

(NON-CORPORATE CONTRACTOR)

(SEAL)

As to Party of the
Second Part

(SEAL)

(SEAL)

(SEAL)

APPROVED AS TO FORM AND LEGALITY

Vance W Kidder
VANCE W. KIDDER
Staff Attorney