

Technical Publication SJ92-5

**ANNUAL REPORT ON  
ABANDONED ARTESIAN WELLS**

**1991**

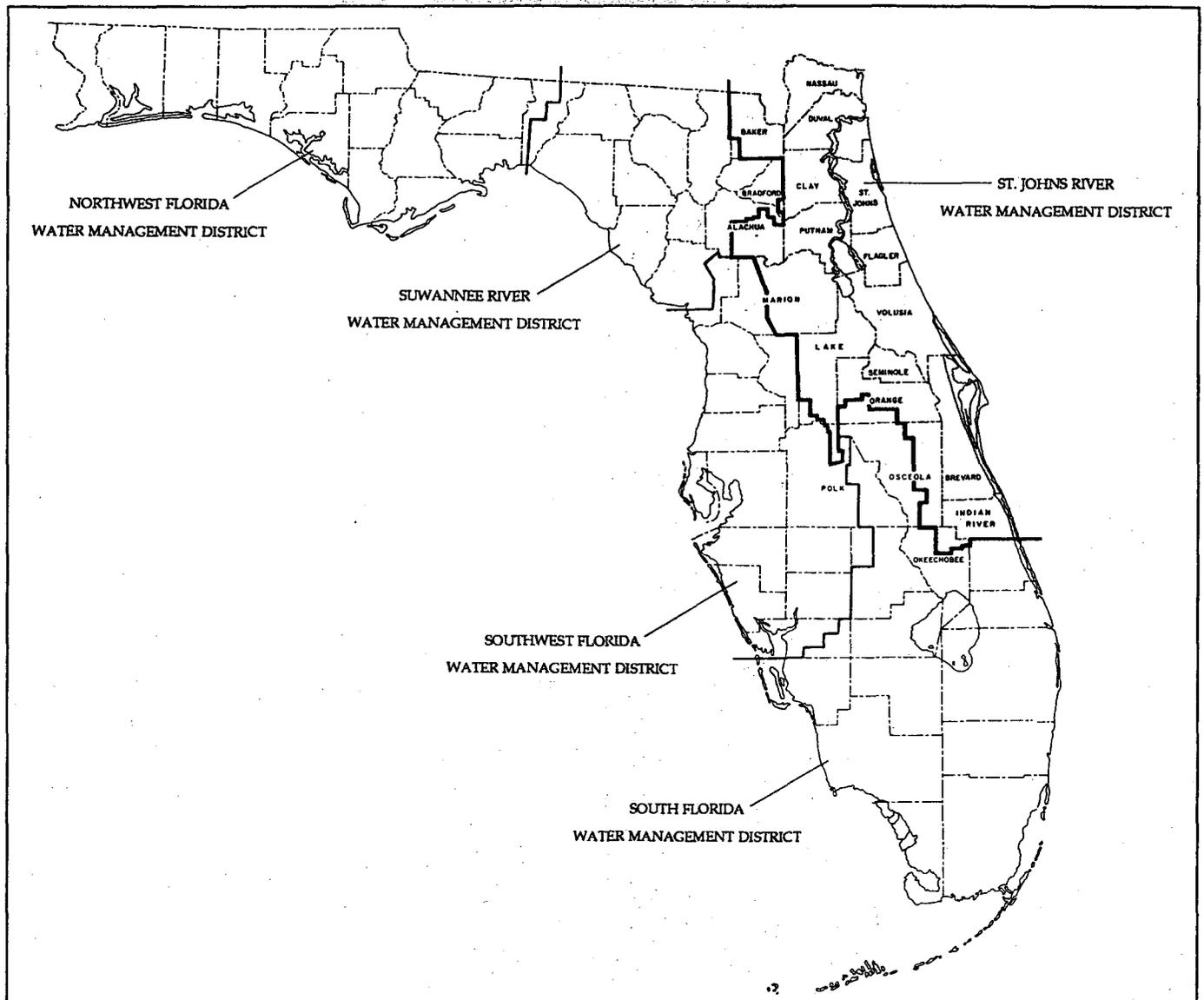
**(OCTOBER 1990 THROUGH SEPTEMBER 1991)**

by

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St. Johns River Water Management District  
Palatka, Florida

1992



The **ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD)** was created by the Florida Legislature in 1972 to be one of five water management districts in Florida. It includes all or parts of 19 counties in northeast Florida. The mission of SJRWMD is to manage water resources to ensure their continued availability while maximizing environmental and economic benefits. It accomplishes its mission through regulation; applied research; assistance to federal, state, and local governments; operation and maintenance of water control works; and land acquisition and management.

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## EXECUTIVE SUMMARY

This document was prepared to comply with the requirements of Part IV of the *Water Quality Act of 1983*. It is the ninth annual report to the State of Florida Department of Environmental Regulation on the St. Johns River Water Management District's abandoned artesian well inventory and work plan for controlling or plugging inventoried wells. This report covers the fiscal year (FY) October 1, 1990 through September 31, 1991.

As of September 30, 1991, the cumulative number of artesian wells identified under the abandoned artesian well plugging program was 1,625. Of this total, 512 are still flowing, 670 have been plugged or repaired through the SJRWMD cost share program, and 443 have been plugged or repaired by the well owner.

In FY 1990-91, a total of 88 wells were plugged or reconstructed. Plugging or reconstructing wells saved 15.617 million gallons per day (mgd) of water during FY 1990-91. Plugging or reconstructing wells saved a total of 108.242 mgd of water from 1976 through September 1991.

Total costs for the well plugging program, in FY 1990-91, were \$372,655.51, or \$4,234.72 per well (based on 88 wells). The total costs for the well plugging program since October 1980 were \$1,603,904.76 or \$2,393.89 per well (based on 670 wells).

At the current level of funding, an estimated \$2,168,177 will be needed to plug or reconstruct the remaining 512 abandoned artesian wells in SJRWMD. An estimated five years are needed to plug or reconstruct these wells.

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**ABANDONED ARTESIAN WELLS: 1991**

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## INTRODUCTION

Uncontrolled or improperly constructed artesian wells have a major effect on the quantity and quality of Florida's ground water resources. Wells have been drilled that do not meet current well construction standards and should be abandoned because of problems associated with these poor construction techniques. In addition to the poor construction, many of these wells were drilled some time ago and poor water quality has caused deterioration of the casing and subsequent leaking.

In the St. Johns River Water Management District (SJRWMD), the Floridan aquifer is the main source of artesian flow for these wells. This aquifer is composed of limestone units. In some cases, the flow from uncontrolled or improperly constructed wells has reduced the water levels (potentiometric surface) of the Floridan aquifer, which has increased the potential for mineralized or saltier water to contaminate potable water supplies.

This document was prepared to comply with the requirements of Part IV of the *Water Quality Act of 1983*. It is the ninth annual report to the State of Florida Department of Environmental Regulation (FDER) on the SJRWMD abandoned artesian well inventory and work plan for controlling or plugging inventoried wells. This report covers the fiscal year (FY) October 1, 1990 through September 31, 1991.

## HISTORY OF WELL PLUGGING

### LEGISLATION

In the early 1950s, severe drought conditions prompted regulations to be passed to prevent the waste of water from abandoned artesian wells. Sections 373.051 to .055 *Florida Statutes* (F.S. 1953) required that working valves or caps be installed on all abandoned artesian wells. In 1957, the Legislature adopted Sections 373.021 to .061, F.S., which provided for the plugging of all artesian wells that were in violation of the law. However, until 1972, the regulation and control of abandoned artesian wells was minimal. In 1972, the Florida Legislature established five water management districts, and the rules covering abandoned artesian wells began to be enforced by the districts through FDER.

The *Water Quality Assurance Act of 1983*, passed in June 1983, called for all known abandoned artesian wells to be plugged by the water management districts by January 1, 1992. An initial inventory and work plan outlining the methods and costs for well plugging was to be submitted to FDER by January 1, 1983, and an annual report sent in each succeeding year until all the wells were plugged or until 1992 (Section 373.207 F.S. [1991]).

### WELL PLUGGING PRIOR TO 1990-91

SJRWMD began plugging wells in 1976. This began as a cooperative program with the Agricultural Stabilization and Conservation Services (ASCS) to improve water quality in irrigation wells. This program consisted of partially back-plugged wells that had been drilled into fresh water that has become saline water. SJRWMD provided technical assistance and well owners shared plugging costs with the ASCS.

In 1981, SJRWMD and the Brevard County Board of County Commissioners developed an agreement in which SJRWMD provided matching funds for plugging wells in Brevard County. This program was renewed every year, except in FY 1990–91 when it was renewed for the sole purpose of plugging mosquito control wells. As of September 1990, 296 wells have been plugged or reconstructed in Brevard County.

In 1986, SJRWMD initiated a cost share program for individuals if the county, in which the wells are located, does not have a cooperative program with the SJRWMD (Appendix A, page 31). This program is ongoing. Individual well owners can enter into an agreement with SJRWMD whereby they are liable for one-half the cost for materials and labor up to a maximum of \$600. For example, if the total cost of a job was \$1,200, the owner and SJRWMD would each pay \$600. If the total cost was \$1,900, the owner would pay \$600 and SJRWMD would pay the balance of \$1,300.

In 1988, SJRWMD and the Seminole Soil and Water Conservation District (SSWCD) signed a cooperative agreement to plug or repair wells in Seminole County. In 1989–90, the agreement was modified to a three-party agreement between SJRWMD, SSWCD, and Seminole County. This project was funded by the Florida Department of Agriculture and Consumer Services. Seminole County contributed funds to plug wells located on county-owned property. There was no cost to the individual well owner. Of an inventory of over 200 wells, 107 wells in Seminole County were plugged or repaired by October 1990.

In 1989, cooperative agreements were developed with the City of Jacksonville, Indian River County, and the Agricultural Stabilization and Conservation Services (ASCS). The agreement with the City of Jacksonville provided funds to plug eight individual wells in Duval County. Under the agreement between SJRWMD and Indian River County, 14 wells were plugged for individual well owners in Indian River County and 19 wells were plugged for Indian River County Utilities. The ASCS agreement

**ABANDONED ARTESIAN WELLS: 1991**

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provided funds for plugging wells on active agricultural land  
(Appendix B, page 65).

# THE WELL PLUGGING PROGRAM

## INVENTORY

There have been different estimates on the number of abandoned artesian wells located in SJRWMD. Initially, the Florida Geological Survey (Hendry and Lavender 1959) estimated that there were 715 abandoned artesian wells in SJRWMD. The U.S. Geological Survey (Healy 1978) estimated there were approximately 5,000 abandoned artesian wells in the SJRWMD (Figure 1). As of September 30, 1991, the cumulative number of artesian wells identified under the abandoned artesian well plugging program was 1,625 (Appendix C, page 93). A well is included on the inventory if it meets any of the conditions set forth in Subsection 373.203(3), *F.S.*, as listed below.

373.203 Definitions. —

- (1) "Abandoned artesian well" is defined as an artesian well:
  - (a) That does not have a properly functioning valve;
  - (b) The use of which has been permanently discontinued;
  - (c) That does not meet current well construction standards;
  - (d) That is discharging water containing greater than 500 milligrams per liter of chlorides into a drinking water aquifer;
  - (e) That is in such a state of disrepair that it cannot be used for its intended purpose without having an adverse impact upon an aquifer which serves as a source of drinking water or which is likely to be such a source in the future; or
  - (f) That does not have proper flow control on or below the land surface.

Out of a cumulative total of 1,625 wells inventoried in SJRWMD; 512 are still flowing, 670 have been plugged or repaired through the SJRWMD cost share program (Figure 2), and 443 have been plugged or repaired by the well owner (Appendix C, page 131). Updating the inventory of wells is an ongoing process using reports from other agencies, reports from citizens, and routine field work. Though numbers may vary, all estimates indicate

# ABANDONED ARTESIAN WELLS: 1991

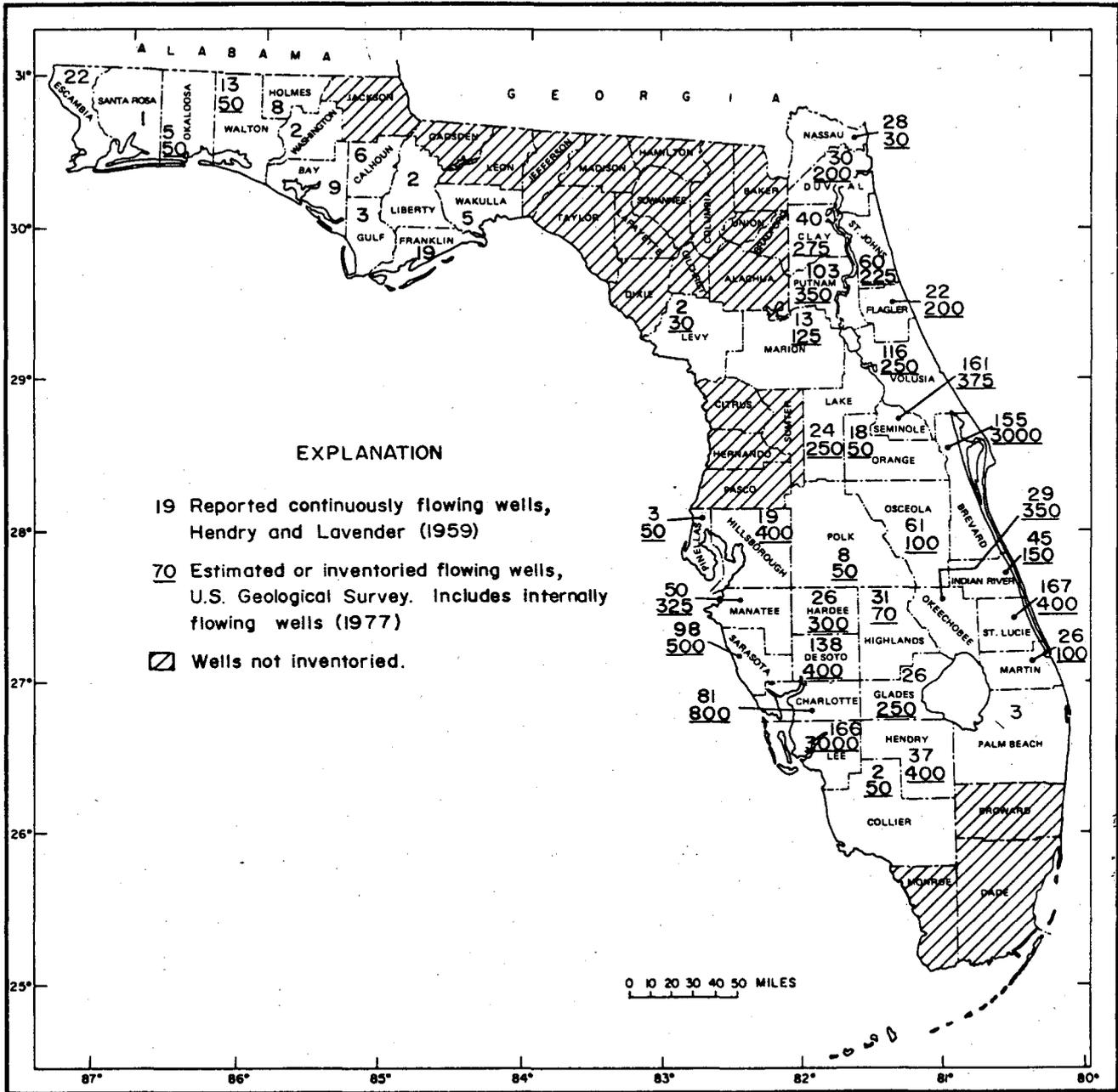
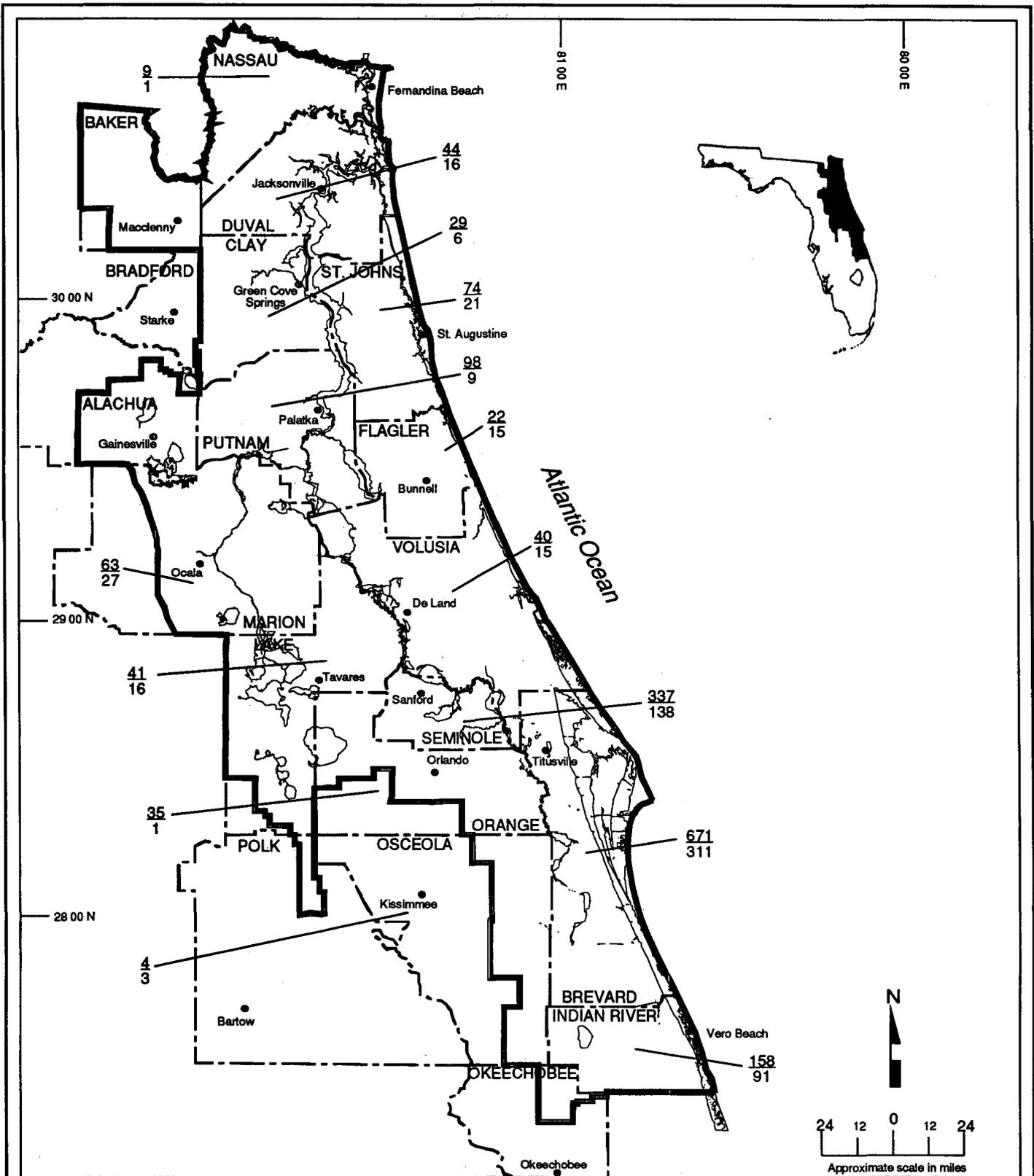


Figure 1. Number of free flowing wells in each county (Healy 1978)



**Figure 2.**  
Abandoned artesian wells inventoried, plugged, and repaired in the St. Johns River Water Management District (SJRWMD).

**LEGEND**

- St. Johns River Water Management District boundary
- County boundary
- County seat location
- 74**  
**21** Number of wells inventoried  
Number of wells plugged or repaired by SJRWMD



that the majority of the wells are located in the southern half of SJRWMD. This area of SJRWMD has the largest area of artesian flow and the highest concentration of agricultural land. The SJRWMD maintains a computer data base on all abandoned artesian wells. This computer data base includes the location of the well, construction details, water quality, owner's name, and general comments. A paper file is also kept for each well that includes a photograph and a detailed map to the site.

## PRIORITY

A priority system has been established in the SJRWMD 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 following.

- The quality of water being discharged or involved in interaquifer flow
- The quantity of the water
- The well construction
- The physical condition of the well

Wells are placed into one of the following eight categories. Category one has the highest priority ranking, and category eight has the lowest priority ranking.

- 1—Wells producing good quality water in an area of limited supply and no recharge capability (an isolated lens of fresh water)
- 2—Wells producing good quality water in an area of large supply and no recharge capability
- 3—Wells producing good quality water in areas of limited supply and recharge capability

- 4—Wells producing poor quality water discharging into fresh, shallow aquifers (areas dependent on shallow aquifers for potable water supply will have higher priority)
- 5—Wells producing poor quality water directly discharging into fresh surface water bodies (areas that exhibit rapidly increasing chloride levels will have higher priority)
- 6—Wells producing good quality water in large supply and in an area of recharge capability
- 7—Wells producing poor quality water discharging into shallow aquifers exhibiting high chloride levels
- 8—Wells producing poor quality water directly discharging into brackish or saltwater surface water bodies

## PLUGGING METHODS

The various legal, technical, and financial aspects of a particular well-plugging project are discussed with the well owners. Contract documents, cooperative agreements, and permitting requirements are handled as needed (Appendix B, page 39).

Specifications for plugging the wells are developed based on current rules (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.

- Location of aquifers and confining units
- Construction details of the well, including cased depth and total depth
- Present conditions of the well, based on geophysical logs or on the results of running drill rod or tremie pipe to the bottom of the well

- Ambient water quality

One or a combination of the following plugging methods are generally used.

- Backfill
- Plugs

### **Backfill**

Backfill is generally the best method to insure that a well is properly plugged. The method involves setting drill rod or tremie pipe (see Glossary) to about 20 ft from the bottom of the well and pumping a cement slurry through it to fill the well from the bottom to land surface. Cement can be used in one large batch or in stages. Generally, by pumping several smaller batches and allowing time for the cement to set, wasting cement can be avoided. If a well is taking much more cement than calculated, it may be necessary to install a plug (see below) or use gravel to bridge certain zones that are leaking cement. Once this plug is installed to stop the leaking, the well can then be backfilled to the surface.

### **Plugs**

Many commercial plugs are available to seal a well or hold cement in place until it sets. The Southwest Florida Water Management District has devised a form of cement plug (termed QWIP—from Quality of Water Improvement Program) to bridge zones of lost circulation or to set casings (Figure 3). This plug is generally fabricated on site and attaches to 1¼ in. diameter PVC tremie pipe. A coarse left-hand threaded coupling and nipple are used to provide a positive disconnect system so the tremie pipe can be removed from above 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. This plug can

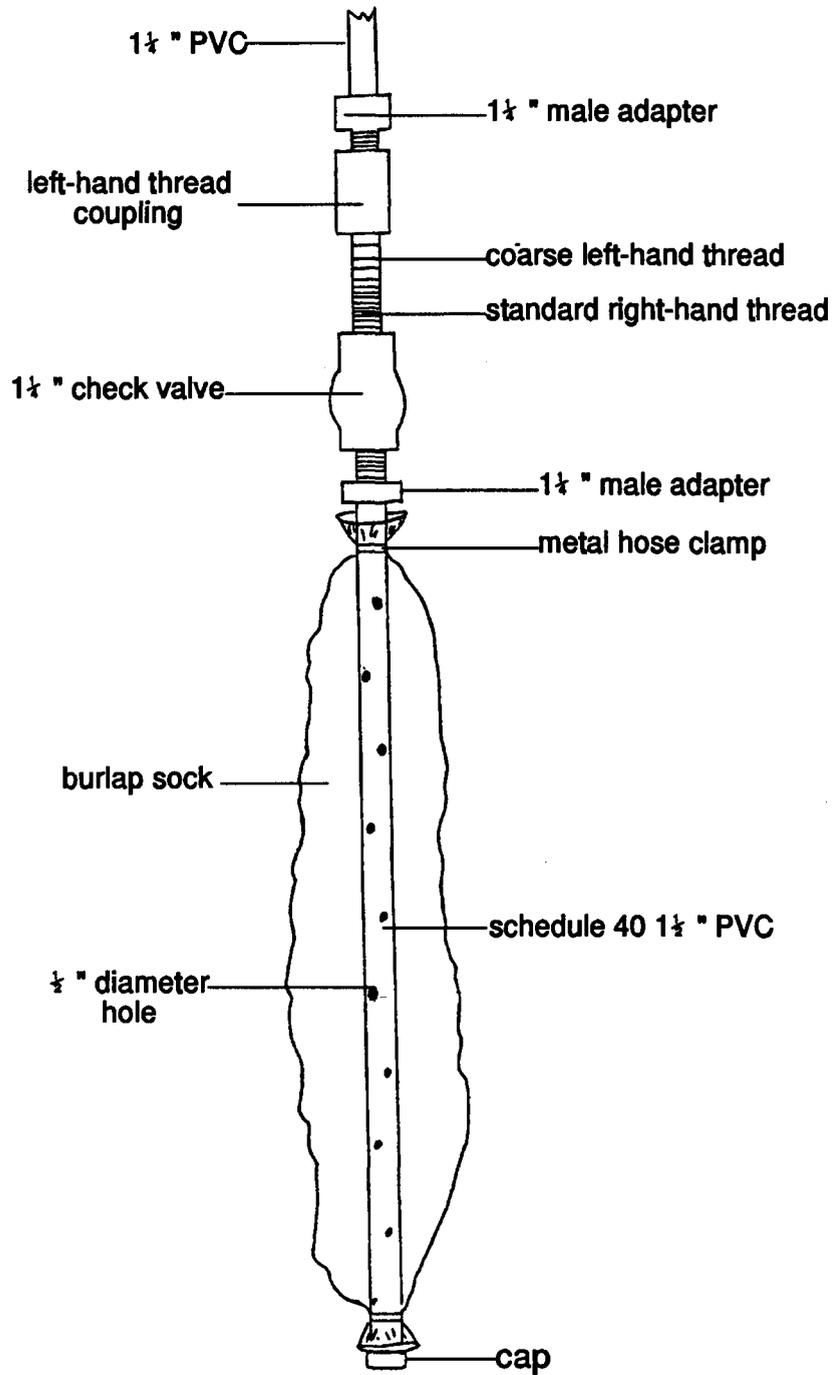


Figure 3. Schematic of a "QWIP" plug

bridge the large cavities in soft limestone and prevent interaquifer flow.

## **RECONSTRUCTION METHODS**

Before determining if a well can be reconstructed or repaired, the well is geophysically logged and water samples taken. This is done to determine the condition of the well and the nature of the reconstruction plan, if any. After evaluating the log and the lab results on water quality, a reconstruction plan is prepared.

The specifications for reconstructing wells are similar to those in the plugging section (see page 9).

One or a combination of the following reconstruction methods are generally used.

- Valves or caps
- Backplug
- Re-line

### **Valves or Caps**

When the well does not present any water quality problems or problems with transfer of water from one aquifer to another (interaquifer flow), the most efficient way to preserve the water resource is to install a workable valve or cap.

### **Backplug**

Backplug for well reconstruction is generally used for wells that are drilled into saline water. The water samples are taken at various depths inside the well to determine if there is a zone of fresh water above the saline water. If fresh water is found above the saline zone, then a calculated amount of cement will be pumped from the bottom of the well to the depth of the zone of

fresh water. This is usually done in stages to ensure that only the saline zone is eliminated.

### **Re-line**

Wells that could be considered for re-lining are usually at least 6 in. in nominal diameter size. They are usually short-cased, or the casing is in extremely bad shape. Section 40C-3.517 *Florida Administrative Code* requires approximately 2 in. of cement grout between casings. For example, an 8 in. diameter well (nominal size) will be re-lined with 4 in. diameter casing (Figure 4). The casing would be set at the top of the Floridan aquifer.

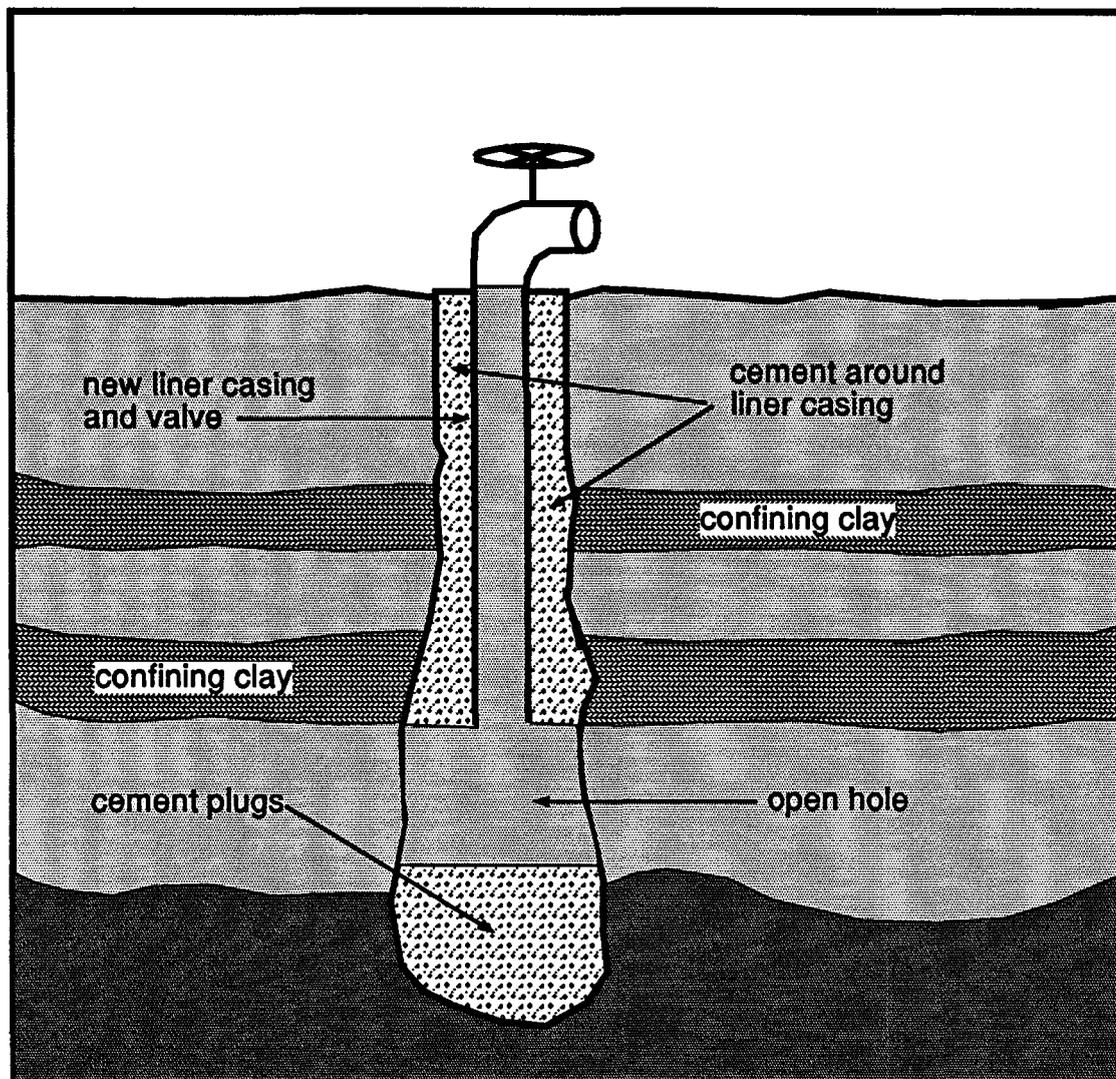


Figure 4. Schematic of a reconstructed well

## THE YEAR IN REVIEW—1990-91 PROJECTS

By September 30, 1991, SJRWMD had an inventory of 512 abandoned artesian wells (Table 1). Flows have been measured for 74 of these wells, which account for approximately 8.008 million gallons per day (mgd) of wasted ground water. An additional 48.592 mgd is estimated to flow from the remaining 438 inventoried wells.

The estimated flows are calculated by county, then summed for a SJRWMD total. The calculation is as follows.

- 1) Determine county average of known flow
- 2) Multiply result (average known flow) by the estimated number of wells of unknown flow
- 3) Combine the estimated unknown flow with the known flow for a county total
- 4) For counties in which no flow was known, the SJRWMD average, 0.108 mgd, was used.

The 1990-91 projects were located in Brevard, Clay, Duval, Indian River, Lake, Marion, Nassau, Orange, Putnam, St. Johns, Seminole, and Volusia counties.

A total of 88 wells were plugged or reconstructed by SJRWMD compared to 135 wells in FY 1989-90. SJRWMD contracted with O.E. Smith's Sons, Inc. to plug or reconstruct wells during the fiscal year (Appendix B, page 87). Plugging or reconstructing wells saved 15.617 mgd of water during FY 1990-91.

From 1976 through September 1991, the well plugging program has provided for the plugging or reconstruction of 670 wells, thereby saving an estimated 108.242 mgd of ground water flow. Flows are measured on all wells before plugging.

## ABANDONED ARTESIAN WELLS: 1991

**Table 1. Estimated wasted flow from abandoned artesian wells as of September 30, 1991, in million gallons per day (mgd)**

County	Number of Free Flowing Wells in Inventory	Number of Wells of Known Flow	Known Flow	Estimated Number of Wells of Unknown Flow	Estimated Flow	Total Estimated Flow
Alachua	0	0	0.000	0	0.000	0.000
Baker	0	0	0.000	0	0.000	0.000
Bradford	0	0	0.000	0	0.000	0.000
Brevard	232	41	6.370	191	29.675	36.045
Clay	0	0	0.000	0	0.000	0.000
Duval	12	0	Unknown	12	1.296*	1.296
Flagler	5	3	0.004	2	0.003	0.007
Indian River	25	3	0.684	22	5.016	5.700
Lake	8	0	Unknown	8	0.864*	0.864
Marion	12	0	Unknown	12	1.296*	1.296
Nassau	3	0	Unknown	3	0.324*	0.324
Okeechobee	0	0	0.000	0	0.000	0.000
Orange	27	0	Unknown	27	2.916*	2.916
Osceola	1	0	Unknown	1	0.108*	0.108
Polk	0	0	0.000	0	0.000	0.000
Putnam	24	3	0.036	21	0.252	0.288
St. Johns	16	1	0.216	15	3.240	3.456
Seminole	133	18	0.511	115	3.265	3.776
Volusia	14	5	0.187	9	0.337	0.524
<b>TOTAL</b>	<b>512</b>	<b>74</b>	<b>8.008</b>	<b>438</b>	<b>48.592</b>	<b>56.600</b>

\* SJRWMD average (0.108 mgd) used for estimated flow  
(See Appendix C, page 116)

## PLUGGED WELLS

A total of 85 wells were plugged, saving 15.171 mgd of water during FY 1990-91 (Appendix C, page 96).

### Brevard County

The usual agreement between the Brevard County Board of County Commissioners and SJRWMD was not renewed this fiscal year. The SJRWMD, however, entered an agreement with Brevard County Board of County Commissioners to plug mosquito control wells (Appendix B, page 41). The agreement was for \$20,000. Five wells were plugged through this agreement, saving 0.417 mgd of water.

One well was plugged under an individual well plugging agreement, saving 0.072 mgd.

In 1985, SJRWMD purchased some agricultural land east of Kenansville, Brevard County. Abandoned artesian wells were on the land. This year eight wells were plugged by SJRWMD, saving 5.184 mgd of ground water.

One other well was plugged in Brevard County. Plugging this well started during the previous fiscal year (under the Brevard County cost share program) and finished this fiscal year. Plugging the well saved 1.440 mgd of water.

A total of 15 wells were plugged in Brevard County, saving 7.113 mgd of water.

### Clay County

Two wells were plugged in Clay County under individual well plugging agreements. Plugging these wells saved 0.147 mgd of water.

## **ABANDONED ARTESIAN WELLS: 1991**

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### **Duval County**

The cooperative agreement between SJRWMD and the City of Jacksonville provided funds to plug wells in Duval County (Appendix B, page 51). The City's Water Resources Division was responsible for locating wells and obtaining permission from the owners. Three wells were plugged through this program saving 0.288 mgd of water.

One well was plugged under an individual well plugging agreement. Plugging this well saved 0.819 mgd of water.

A total of four wells were plugged in Duval County, saving 1.107 mgd of water.

### **Indian River County**

Indian River County budgeted \$60,000 for well plugging (Appendix B, page 57). Thirty-thousand dollars was used to plug wells for individual land owners and \$30,000 for wells on Indian River County Utilities property. The Indian River County Office of Environmental Planning was responsible for locating wells and obtaining permission from well owners for plugging. Eleven wells were plugged for individual land owners, saving approximately 3.096 mgd of ground water. Two wells were plugged for Indian River County Utilities. Plugging these wells saved 0.432 mgd of water.

A total of 13 wells were plugged in Indian River County, saving 3.528 mgd of water.

### **Lake and Marion Counties**

A total of 22 wells were plugged through an agreement between SJRWMD and the USDA Forest Service (Appendix B, page 73). Eleven of the wells were located in Marion County within the Lake George Ranger District of the Ocala National Forest. Eleven of the wells were located in Lake and Marion counties within the Seminole Ranger District. Two of these wells were flowing; the

rest were open at land surface and not flowing. Plugging these wells saved 0.043 mgd of water.

### **Orange County**

An informal agreement was made with Orange County to inventory abandoned artesian wells. Orange County agreed to spend approximately \$5,000 to inventory abandoned artesian wells. In Orange County 21 wells were inventoried. Of the owners contacted, most repaired their own wells.

None of the wells were plugged.

### **Putnam County**

In 1990, Putnam County signed a cooperative agreement with SJRWMD. The Putnam County and SJRWMD program budgeted \$6,000 to plug wells in Putnam County (Appendix B, page 83). Four wells were plugged through this program saving a total of 0.274 mgd of ground water.

Two wells were plugged in Putnam County under the individual well plugging program. Plugging these wells saved 0.065 mgd of water.

A total of six wells were plugged in Putnam County, saving 0.339 mgd of water.

### **St. Johns County**

In 1990, St. Johns County signed a cooperative agreement with SJRWMD. The St. Johns County and SJRWMD program budgeted \$10,000 to plug wells located in St. Johns County (Appendix B, page 75). Two wells were plugged saving 0.216 mgd of ground water.

Through an agreement between SJRWMD and Health and Rehabilitative Services of St. Johns County a position was funded

## ABANDONED ARTESIAN WELLS: 1991

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(Appendix B, page 79). This individual located abandoned artesian wells in St. Johns County.

One well was plugged under an individual well plugging agreement. Plugging this well saved 0.036 mgd of water.

A total of three wells were plugged in St. Johns County, saving 0.252 mgd of water.

### **Seminole County**

The agreement between SJRWMD, SSWCD, and Seminole County, was renewed this year (Appendix B, page 45). Thirteen wells were plugged for SSWCD, and four wells were plugged for Seminole County, saving a total of 1.490 mgd of ground water.

One well was plugged under an individual well plugging agreement. This well was not flowing at the time it was plugged.

A total of 18 wells were plugged in Seminole County, saving 1.490 mgd of water.

### **Volusia County**

An informal agreement was made with Volusia County. Volusia County agreed to spend approximately \$5,000 inventorying and obtaining permission to plug abandoned artesian wells in Volusia County. In return, SJRWMD would plug the wells matching the amount spent by Volusia County. Two large diameter wells were plugged in Volusia County under this agreement, saving 1.152 mgd of water.

## **RECONSTRUCTED WELLS**

A total of three wells were reconstructed through cost share programs with either SJRWMD or ASCS, saving 0.446 mgd of water during FY 1990-91 (Appendix C, page 96).

### **Indian River County**

One of the wells reconstructed through the SJRWMD individual cost share program is in Indian River County. This well was broken off approximately 20 ft below land surface. New casing was installed to 1 ft above land surface and capped off. Flow for this well was 0.158 mgd.

### **Nassau County**

One of the wells reconstructed through the SJRWMD individual cost share program is in Nassau County. Prior to reconstruction, this well was not flowing. The reconstructed well will be used as a monitor well for the SJRWMD Observation Well Network. The 20 in. diameter well was lined with 12 in. PVC casing to 566 ft and drilled-out to 1,020 ft.

### **Volusia County**

One agriculture well was reconstructed under the ASCS cost share program. This well is located in Volusia County. Flow for this well, before reconstruction, was 0.288 mgd.

There were three purposes for reconstructing the well.

1. Stop the potential of aquifer mixing from the bottom of the well (chlorides were 11,000 parts per million [ppm]) with the top of the well (chlorides were around 600 ppm)
2. Reduce the diameter of the well to below CUP guidelines
3. Install a flow control at the surface

The well was lined with 4 in. PVC to 30 ft and backplugged from 340 ft to 150 ft. A 4 in. gate-valve was installed to control the flow.

## COSTS

The following tables list actual total costs for well plugging and reconstruction (Table 2) and program support (Table 3). In these tables, actual costs are the costs associated with contractual services, cement, and related products. The program support costs include salaries, insurance, travel, supplies, purchased equipment, rental equipment, and other commodities. An administrative cost is added to the program support costs to show the estimated costs associated with bidding, invoicing, legal services, and other administrative processes. Administrative costs are estimated to be 12 percent of support costs.

From October 1990 through September 1991, SJRWMD spent \$226,054.66, or \$2,568.80 per well, in actual plugging or reconstruction costs (Table 2). The cumulative total since FY 1980-81 is \$843,259.02, or \$1,258.60 per well.

From October 1990 through September 1991, SJRWMD spent \$146,600.85, or \$1,665.92 per well, on support costs (Table 3). The cumulative total since FY 1980-81 is \$760,645.74, or \$1,135.29 per well.

Total costs for the well plugging program, in FY 1990-91, were \$372,655.51, or \$4,234.72 per well. The total costs for the well plugging program since October 1980 were \$1,603,904.76 or \$2,393.89 per well (based on 670 wells).

Assuming the inventory of 512 wells is complete, an estimated additional \$2,168,177 (in 1991 dollars) will be needed to plug or reconstruct these wells. From FY 1986-87 to FY 1990-91, an average of 109 wells per year were plugged or reconstructed under the well plugging program at SJRWMD. At this rate, it will be five years (September 1996) before all wells are plugged or reconstructed.

**Table 2. Actual plugging and reconstruction costs for Fiscal Year 1990-91**

Well Plugging	Costs
Contractual services, cement, related products, and consulting fees	\$184,256.80
Average per well (85 wells)	\$ 2,167.73
Well Reconstruction	Costs
Materials and labor	\$41,797.86
Average per well (3 wells)	\$ 13,932.62
Plugging and Reconstruction Cumulative	Costs
FY 1980-81 through FY 1989-90	\$617,204.36
FY 1990-91	\$226,054.66
Total through FY 1990-91	\$843,259.02
Average per well through FY 1990-91 (670 wells)	\$ 1,258.60

Sources: Davis 1986, 1987, and 1988; Edwards 1984a, 1984b, and 1986; Steele 1990 and 1991

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**Table 3. Program support costs for Fiscal Year 1990-91**

<b>Program Support</b>	<b>Costs</b>
Support	\$130,893.62
Administrative (12% of support)	\$ 15,707.23
<b>Total</b>	<b>\$146,600.85</b>
Average Cost per Well (88 Wells)	\$ 1,665.92
<b>Program Support Cumulative</b>	<b>Costs</b>
FY 1980-81 through FY 1989-90	\$614,044.89
FY 1990-91	\$146,600.85
<b>Total support through FY 1990-91</b>	<b>\$760,645.74</b>
Average per well through 1990-91 (670 wells)	\$ 1,135.29

Sources: Davis 1986, 1987, and 1988; Edwards 1984a, 1984b, and 1986; Steele 1990 and 1991

## GLOSSARY

### AQUIFER

A geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield economic quantities of water to wells and springs. A reservoir of ground water. In SJRWMD, there are three major aquifers present: the Floridan, the intermediate, and the surficial.

### ARTESIAN WELL

An artificial hole in the ground from which water supplies may be obtained and which penetrates any water-bearing rock. The water in the well is raised to the surface by natural flow or rises to an elevation above the top of the water-bearing bed.

### CAPPING

Stopping the water of an artesian well from flowing at the surface using some mechanical device, such as valves, threaded caps, or plumber's test plugs.

### FREE-FLOWING WELL

An artesian well, with or without a mechanism for controlling discharge, that allows water to flow continuously at the land surface or internally into other aquifers because of improper well construction or condition. Also called *wild flowing well*, *uncontrolled artesian well*, and *abandoned artesian well*.

### HEAD

Water-level elevation in a well, or elevation to which the water of a flowing artesian well will rise in a pipe extended high enough to stop the flow. See *potentiometric surface*.

## PLUGGING

Stopping the flow of water in strata penetrated by a well so that water from one stratum will not escape into another or to the surface. This can be accomplished by completely filling a well from bottom to top with cement or partially filling the well by setting bridge plugs in specific key depths of the well.

## POTENTIOMETRIC SURFACE

The surface defined by the height to which water from an aquifer will rise in a tightly cased well. See *head*.

## TREMIE PIPE

Any relatively small diameter pipe (less than 1½ in. inside diameter) lowered into a well to a specific depth in which a cement slurry is pumped for total or partial backfilling of the well.

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## REFERENCES

- Davis, J. B. 1986. *Annual report on uncontrolled free-flowing artesian wells: 1986*. Special Publication SJ86-SP1 Palatka, Fla.: St. Johns River Water Management District.
- \_\_\_\_\_. 1987. *Annual report on abandoned artesian wells: 1987*. Special Publication SJ87-SP8 Palatka, Fla.: St. Johns River Water Management District.
- \_\_\_\_\_. 1988. *Annual report on abandoned artesian wells: 1988*. Special Publication SJ88-SP7 Palatka, Fla.: St. Johns River Water Management District.
- Edwards, S., Jr. 1984a. *Report on uncontrolled free-flowing artesian wells: 1983*. Special Publication SJ84-SP1 Palatka, Fla.: St. Johns River Water Management District.
- \_\_\_\_\_. 1984b. *Annual report on uncontrolled free-flowing artesian wells: 1984*. Special Publication SJ84-SP3 Palatka, Fla.: St. Johns River Water Management District.
- \_\_\_\_\_. 1986. *Annual report on uncontrolled free-flowing artesian wells: 1985*. Special Publication SJ86-SP1 Palatka, Fla.: St. Johns River Water Management District.
- Healy, H. G. 1978. *Appraisal of uncontrolled flowing artesian wells in Florida*. Water Resources Investigations 78-95. Washington, D.C.: U.S. Geological Survey.
- Hendry, C. W. Jr. and J. A. Lavender. 1959. *Final report on an inventory of flowing artesian wells in Florida*. Information Circular 21. Tallahassee, Fla.: Florida Geological Survey.
- Steele, C. 1990. *Annual report on abandoned artesian wells: 1989*. Special Publication SJ90-SP5 Palatka, Fla.: St. Johns River Water Management District.

ABANDONED ARTESIAN WELLS: 1991

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\_\_\_\_\_. 1991. *Annual report on abandoned artesian wells: 1990.*  
Special Publication SJ91-SP7 Palatka, Fla.: St. Johns River  
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Appendix A

ABANDONED ARTESIAN WELL PLUGGING PROGRAM



**AGREEMENT BETWEEN**  
**THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT**  
**AND**

THIS AGREEMENT is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, by and between the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, a public body created pursuant to Chapter 373, F.S., (HEREINAFTER REFERRED TO AS THE "DISTRICT"), and \_\_\_\_\_, HEREINAFTER REFERRED TO AS THE "OWNER").

**WITNESSETH**

WHEREAS, the waters of the State of Florida 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, pursuant to Chapter 373, Florida Statutes, the DISTRICT has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207(8)(a), Florida Statutes, the Legislature has directed the water management districts of the state to locate all known abandoned artesian wells and insure that each such well is plugged; 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, an abandoned artesian well is located on the property of the OWNER; said property being identified in Exhibit "A" attached hereto and by reference made a part hereof; and

WHEREAS, the OWNER and the DISTRICT desire and intend to bring into compliance the aforementioned abandoned artesian well by utilizing DISTRICT staff and equipment and/or by obtaining the services of qualified independent contractors.

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

I. The DISTRICT shall:

- A. Undertake the plugging or reconstruction of the subject well(s) located on the property identified in Exhibit "A", Well No. ;
- B. As necessary, enter into a contract with a licensed water well contractor and administer the contract;
- C. Provide the professional and technical support necessary to properly address all aspects of the Agreement;
- D. Provide a report to the OWNER regarding the progress and completion of plugging the subject well.
- E. Obligate for the purposes of this agreement monies to cover the difference between the OWNER's contribution and the total cost, to complete the plugging or reconstruction of the well(s). The DISTRICT's obligation will be a minimum of 50% or a maximum of total cost minus six hundred dollars (\$600.00) for materials, site work and contractual services, per well.
- F. Pay the independent water well contractor (when applicable) for work performed and invoice the OWNER for his cost share.

II. The OWNER shall:

- A. Grant to the DISTRICT the right to plug the well(s) located on the OWNER's property, identified in Exhibit "A", Well No.
- B. Grant to the DISTRICT reasonable ingress and egress for access to and from the well site and the right to transport, place, and remove construction equipment and vehicles used in connection with the plugging of the subject well(s).
- C. Provide for the purposes of this Agreement, monies to cover 50% of costs for all materials, site work and independent contractual services, in an amount not to exceed six hundred dollars (\$600.00) per well for materials and services described above. The OWNER shall further have the option to pay all or part of his cost share through the provision of in-kind services and/or materials as approved by the DISTRICT'S Project Manager. The type and value of these services and materials will be mutually agreed to in writing prior to commencement of work.
- D. Pay to the DISTRICT, within 30 days of receipt of invoice, up to a maximum of six hundred dollars (\$600.00) for materials and services described above.

- E. Defend, indemnify, save and hold harmless the DISTRICT, its officers, agents, servants and employees, from suits, costs, claims, judgements for injury or damages to which the DISTRICT, or any of its officers, agents or servants, may be subjected by reason of injury to the OWNER(S) resulting from the performance of the repairing/plugging of well(s) or the omissions of the DISTRICT, its agents, servants, employees, and contractor or subcontractor, suppliers, material men or their employees.
- F. The term of this Agreement will be from the date of its execution until all work has been satisfactorily completed and payment has been recieved from the OWNER by the DISTRICT.

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By: \_\_\_\_\_

By: \_\_\_\_\_  
HENRY DEAN  
EXECUTIVE DIRECTOR

**APPROVED AS TO FORM AND LEGALITY**

\_\_\_\_\_  
**John W. Williams**  
**Senior Assistant General Counsel**  
**Office of General Counsel**  
**SJRWMD**

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**ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
ABANDONED ARTESIAN WELL PLUGGING PROGRAM  
GUIDELINES AND PROCEDURES**

1. When an abandoned artesian well is located by District personnel, pertinent information concerning the well (location, size, owner, etc.) is forwarded to the Abandoned Artesian Well Plugging Program project manager in the Water Resources Department.
2. The project manager will send a letter by certified mail, return receipt requested, to the owner advising him of:
  - 1) the apparent existence of an abandoned artesian well on his property.
  - 2) the statutory responsibilities concerning such wells.
  - 3) the District's cost-sharing well plugging program which will provide appropriate well plugging services at a cost to the owner of fifty percent (50%) of the total cost of plugging each well or \$600 per well, whichever is less. The owner's share of cost may be paid for in cash, materials, and/or services or any combination of these. If state funding is received in an amount adequate to perform the annual plugging program as proposed to FDER, then the District may elect to increase its share of the cost sharing percentage.
3. The letter referred to in No. 2 will be accompanied by an acknowledgement form to be returned to the District within 45 days. If this form is not returned, a second letter will be sent by the project manager. This letter will provide a 30 day response period. If no response is received, then the Resource Management Department will be notified by the project manager.
4. Upon such notification, the Resource Management Department will investigate the well to determine if it is an abandoned artesian well which should be plugged pursuant to the provisions of Chapter 373.206, .209 .213, and .316 F.S.
5. If it is determined that the well should be plugged pursuant to the provisions of Chapter 373.206, .209, .213 and .316 F.S., appropriate enforcement action will be taken.

6. If the owner notified as per No.2 above indicates that he is unwilling to participate in the District sponsored project, then notification will be forwarded to the Resource Management Department. The Resource Management Department will proceed as per Nos. 4 and 5.
7. If the owner indicates (on the form referred to in No. 3) a willingness to cooperate, then his well will be added to the list of wells and no enforcement action will be taken against the owner at least as long as these guidelines and procedures are in effect.
8. Wells which are considered an imminent hazard to public health, safety and welfare will be placed first in the priority order of plugging. Prioritization of all other wells to be plugged will be based on relative harm to the water resources as per Chapter 373.206 F.S. and as outlined in the District's *Annual Report on Uncontrolled Free-Flowing Artesian Wells, 1985* (copy attached). Wells which pose a lesser threat to the water resources, i.e. only waste water, will be grouped in the lowest priority category, but may be moved up in priority during any fiscal year if other contractual well plugging is proceeding in the areas of these wells, making their plugging financially advantageous. The project manager will be responsible for keeping the prioritized list of wells to be plugged.
9. Arrangements for receipt of funds from the cooperative owner will be made pursuant to a written agreement to be entered into before any work is performed by the District on the well. The owner will be notified of the proposed plugging date at least three months prior to that date.
10. Owners of wells currently included on the District's Abandoned Artesian Well Plugging Program inventory and not scheduled for plugging during FY 1986-87 will be notified of the change in the program and will be asked to complete and return the form described in No. 3. All provisions of these guidelines and procedures shall be applicable to them.
11. For those wells which are referred to the Resource Management Department as per Nos. 3 and 6, the Resource Management Department will notify the Water Resources Department project manager of information concerning final action. This information will be included in the program records.

**Appendix B**

**CONTRACTUAL AND COOPERATIVE AGREEMENTS**



AGREEMENT BETWEEN  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND  
BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS  
FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS  
IN BREVARD COUNTY

~~1990~~ THIS AGREEMENT is made and entered into this 13<sup>th</sup> day of February, 1991, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter SJRWMD), and the BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS (hereinafter the COUNTY).

WITNESSETH:

WHEREAS, the waters of the State are among its basic resources, and the Florida Legislature has declared its policy to promote the conservation, development, and proper utilization of surface and ground waters; and

WHEREAS, pursuant to Chapter 373, F.S., SJRWMD has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207 (8)(a), F.S., the Florida Legislature has directed the Water Management Districts of the State to locate all known abandoned artesian wells, and to insure that each such well is controlled 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 ground water supplies; and

WHEREAS, the COUNTY is a public body organized under Chapter 582 F.S., and empowered to enter into an agreement with SJRWMD for the purpose of conserving and protecting water resources in BREVARD County; and

WHEREAS, the COUNTY has declared the waste of ground water because of abandoned artesian wells to be a serious concern; and

WHEREAS, the COUNTY and SJRWMD wish to participate in a cooperative water resource conservation and protection program; and

WHEREAS, the COUNTY and SJRWMD desire to jointly fund the costs incurred by a licensed water-well contractor in the controlling of abandoned artesian wells located in BREVARD County in a total amount of Twenty Thousand Dollars (\$20,000).

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Agreement, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

ARTICLE I. - SCOPE OF WORK

The Scope of Work for this Agreement includes all work related to locating abandoned artesian wells in the mosquito control areas of Brevard County, Florida, collecting and recording pertinent data on each well, and providing the services of a Licensed Water Well Contractor to properly control the wells.

ARTICLE II. - DURATION OF CONTRACT

This Agreement shall be effective upon the execution thereof and shall continue until September 30, 1991. SJRWMD and the COUNTY may elect to renew the terms of this Agreement on an annual basis.

ARTICLE III. RESPONSIBILITIES OF SJRWMD

- A. SJRWMD shall administer the provisions of this Agreement.
- B. SJRWMD shall obligate for the purposes of this Agreement up to a maximum of Ten Thousand Dollars (\$10,000) for controlling abandoned artesian wells in the mosquito control areas of Brevard County, Florida.
- C. SJRWMD shall obtain the services of a qualified water-well contractor by solicitation of bids and selection of the lowest responsible bidder.
- D. SJRWMD shall invoice the COUNTY for payment of one half ( $\frac{1}{2}$ ) of the amount expended pursuant to the Agreement with the selected contractor on a quarterly basis; and do such other things as are necessary to administer the contracts.
- E. Provide professional and technical support necessary to address all aspects of the work to water-well contractors who enter into an Agreement with SJRWMD to carry out the project in Brevard County.
- F. Perform water quality analyses for water samples taken by the COUNTY from identified wells.

ARTICLE IV. RESPONSIBILITIES OF THE COUNTY

- A. The COUNTY shall obligate for the purposes of this Agreement up to a maximum of Ten Thousand Dollars (\$10,000) for the services of a licensed water-well contractor to control abandoned artesian wells in the mosquito control areas of Brevard County, Florida.
- B. The COUNTY shall pay SJRWMD up to Ten Thousand Dollars (\$10,000) for services of a water well contractor and materials needed by the contractor, as described in Article III above, upon receipt of quarterly invoices from SJRWMD.
- C. The COUNTY shall be responsible for locating wells which are to be controlled, for collecting water samples to be tested for chlorides and sulfates, for providing a transfer location of the water samples to SJRWMD, and for completing and forwarding a Well-Header Form on each well to SJRWMD. The Well-Header Form shall be supplied by SJRWMD.
- D. The COUNTY shall be responsible for obtaining the written consent of the well owners to have their wells controlled by the Contractor.

ARTICLE V. INDEMNITY AND INSURANCE

- A. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees and agents thereof.
- B. The parties further agree that nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available to such parties under the laws of the State of Florida; the consent of the State of Florida or its agents and agencies to be sued by reason hereon; nor as a waiver of sovereign immunity of the State of Florida beyond the waiver provided for in Section 768.28, F.S.
- C. Each party shall acquire and maintain throughout the term of this Agreement such liability and automobile insurance as required by their current rules and regulations.

ARTICLE VI. TERMINATIONS

- A. Termination for Default: This Agreement may be terminated either partially or as a whole, by either party, if the other party substantially fails to fulfill its obligations under this Agreement through no fault of the terminating party. No termination may be effected unless the other party is given: (1) at least ten (10) calendar days written notice delivered by certified mail, return receipt requested, and (2) an opportunity for consultation with the other party prior to termination.
- B. Termination for Convenience: This Agreement may be terminated either in part or as a whole by SJRWMD in writing provided that the COUNTY is given: (1) at least thirty (30) days written notice delivered by certified mail, return receipt requested, of intent to terminate, and (2) an opportunity for consultation with SJRWMD prior to termination.
- C. If Termination for Default is effected by SJRWMD, an equitable settlement of the amount of this Agreement shall be made, but (1) no amount shall be allowed for unperformed services, and (2) any payment due to the COUNTY at the time of actual termination shall be offset by costs incurred by SJRWMD because of the COUNTY'S default. If termination for SJRWMD's default is effected by the COUNTY, or if termination for convenience is effected by SJRWMD, SJRWMD shall pay for all services, materials, and costs reasonably incurred by the COUNTY prior to termination.
- D. If SJRWMD terminates the contract for Default because the COUNTY failed to fulfill contractual obligations and it is subsequently determined that the COUNTY had in fact substantially performed the requirements of the Agreement, the Termination will be deemed to have been for convenience. Compensation for completed portions of this contract will be made as provided in paragraph C, above.

ARTICLE VII. APPROVALS

SJRWMD's Project Manager shall be the Executive Director or his designee. The COUNTY's Project Manager shall be the Chairman of the Board of County Commissioners or his designee. All matters shall be coordinated with or directed to the project managers for action or disposition.

ARTICLE VIII. NOTICE

Any notice or other written communication between the parties shall be considered delivered when posted by United States Mail or delivered in person to the Project Managers.

ARTICLE IX. INTEREST

The COUNTY warrants to SJRWMD that no member, officer or employee of SJRWMD has any material interest (as defined in Section 112.312(1), F.S.), either directly or indirectly, in the business of the COUNTY to be conducted hereunder, and that so such person shall have any such interest at any time during the term hereof.

ARTICLE X. GOVERNING LAW

This Agreement shall be governed by and interpreted according to the laws of Florida.

ARTICLE XI. ENTIRE AGREEMENT

It is expressly understood and agreed that this Agreement constitutes the entire Agreement of the parties, and that the parties are not bound by any stipulations, representation, agreements, or promises, oral or otherwise, not printed or inserted in this Agreement. The COUNTY agrees that no representations have been made by SJRWMD in order to induce the COUNTY to enter into this Agreement, other than as expressly stated in this Agreement. This Agreement cannot be changed orally, nor by any means other than by written amendments expressly referencing this Agreement and signed by all parties.

IN WITNESS WHEREOF, the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT and the BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS have executed this Agreement on the day and year first above written.

BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

By: Sue Schmitt  
Sue Schmitt, Chairman  
11/22/91

By: Saundra H. Gray  
Saundra H. Gray, Chairman  
2/13/91

Attest: R. C. Winstead, Jr.  
R. C. Winstead, Jr., Clerk

Attest: Alice J. Weinberg  
Alice J. Weinberg, Secretary

(SEAL)

(SEAL)

APPROVED AS TO FORM

John W. Williams  
John W. Williams, Senior Assistant General Counsel  
SJRWMD

AGREEMENT BETWEEN  
 ST. JOHNS RIVER WATER MANAGEMENT DISTRICT,  
 THE BOARD OF COUNTY COMMISSIONERS OF SEMINOLE COUNTY  
 AND  
 THE SEMINOLE SOIL AND WATER CONSERVATION DISTRICT  
 FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS  
 IN SEMINOLE COUNTY

THIS AGREEMENT is made and entered into this 12 day of February, 1991, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter the SJRWMD), BOARD OF COUNTY COMMISSIONERS OF SEMINOLE COUNTY (hereinafter the COUNTY), and the SEMINOLE SOIL AND WATER CONSERVATION DISTRICT (hereinafter the SSWCD).

WITNESSETH:

WHEREAS, the waters of the State are among its basic resources, and the Florida Legislature has declared its policy to promote the conservation, development, and proper utilization of surface and ground waters; and

WHEREAS, pursuant to Chapter 373, F.S., SJRWMD has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207 (8)(a), F.S., the Florida Legislature has directed the Water Management Districts of the State to locate all known abandoned artesian wells, and to insure that each such well is controlled 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 ground water supplies; and

WHEREAS, the COUNTY is a public body organized under Chapter 125, F.S., and empowered to enter into an agreement with the SJRWMD for the purpose of conserving and protecting water resources in Seminole County; and

WHEREAS, the SSWCD is a public body organized under Chapter 582 F.S., and empowered to enter into an agreement with SJRWMD for the purpose of conserving and protecting water resources in Seminole County; and

WHEREAS, the COUNTY and SSWCD have declared the waste of ground water because of abandoned artesian wells to be a serious concern; and

WHEREAS, the COUNTY and SSWCD have requested the SJRWMD to participate in a cooperative water resource conservation and protection program; and

WHEREAS, the COUNTY, SSWCD and SJRWMD desire to jointly fund the costs incurred by a licensed water-well contractor in the controlling of abandoned artesian wells located in Seminole County in a total amount of Forty Thousand Dollars (\$40,000).

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Agreement, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

ARTICLE I. - SCOPE OF WORK

The Scope of Work for this Agreement includes all work related to locating abandoned artesian wells in Seminole County, Florida, collecting and recording pertinent data on each well, and providing the services of a licensed water well contractor to properly control the wells.

ARTICLE II. - DURATION OF AGREEMENT

This Agreement shall be effective upon the execution thereof and shall continue until September 30, 1991. SJRWMD, the COUNTY and SSWCD may elect to renew the terms of this Agreement on an annual basis.

ARTICLE III. RESPONSIBILITIES OF THE SJRWMD

- A. SJRWMD shall administer the provisions of this Agreement.
- B. SJRWMD shall obligate for the purposes of this Agreement up to a maximum of Twenty Thousand Dollars (\$20,000) for controlling abandoned artesian wells in Seminole County, Florida.
- C. SJRWMD shall obtain the services of a qualified water-well contractor through the competitive bidding process.
- D. SJRWMD shall award a contract to the lowest responsible bidder, and administer the contract in the following general manner:
  - 1. Control the subcontracting of services by any contractor who is a party to the Agreement with SJRWMD by requiring that no sub-contract can be entered into by contractor without prior SJRWMD approval; and
  - 2. Invoice SSWCD quarterly in an amount not to exceed \$15,000 for payment of thirty seven and one-half percent (37.5%) of the amount expended pursuant to the Agreement with the selected contractor; and
  - 3. Invoice the COUNTY for work completed in an amount not to exceed \$5,000 for payment of twelve and one-half percent (12.5%); and
  - 4. Do such other things as necessary to administer the contract.
- E. Provide professional and technical support necessary to address all aspects of the work to water-well contractors who enter into an Agreement with SJRWMD to carry out the project in Seminole County.
- F. Perform water quality analyses for water samples taken by SSWCD from the identified wells.
- G. Coordinate with COUNTY to locate and prioritize wells located on County property to be controlled using County funds. Individual wells shall be reviewed by COUNTY on a case by case basis.

ARTICLE IV. RESPONSIBILITIES OF THE SSWCD

- A. SSWCD shall obligate for the purposes of this Agreement up to a maximum of Fifteen Thousand Dollars (\$15,000) for the services of a licensed water-well contractor to control abandoned artesian wells in Seminole County, Florida.
- B. SSWCD shall pay SJRWMD up to Fifteen Thousand Dollars (\$15,000) for services of a water well contractor and materials needed by the contractor, as described in Article III above, upon receipt of quarterly invoices from SJRWMD.
- C. SSWCD shall be responsible for the location and inventory of wells which are to be controlled, for collecting water samples to be tested for chlorides and sulfates, for providing a transfer location of the water samples to SJRWMD, and for completing and forwarding a Well-Header Form on each well to SJRWMD. The Well-Header Form shall be supplied by SJRWMD.
- D. SSWCD shall be responsible for obtaining the written consent of the well owners to permit access by the SJRWMD and its contractor to the wells.

ARTICLE V. - RESPONSIBILITIES OF THE COUNTY

- A. The COUNTY shall obligate for the purposes of this Agreement up to maximum of Five Thousand Dollars (\$5,000) for the services of a licensed water-well contractor to control abandoned artesian wells in Seminole County, Florida.
- B. The COUNTY shall pay SJRWMD up to Five Thousand Dollars (\$5,000) for services of a water well contractor and materials needed by the contractor, as described in Article III above, upon receipt of invoices from SJRWMD.
- C. The COUNTY shall coordinate with the SSWCD to obtain location of wells which are to be controlled.

ARTICLE VI. INDEMNITY AND INSURANCE

- A. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees and agents thereof.
- B. The parties further agree that nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available to such parties under the laws of the State of Florida: the consent of the State of Florida or its agents and agencies to be sued by reasons hereon; nor as a waiver of sovereign immunity of the State of Florida beyond the waiver provided for in Section 768.28, Florida Statutes.
- C. Each party shall acquire and maintain throughout the term of this Agreement such liability and automobile insurance as required by their current rules, regulations, and ordinances.

## ARTICLE VII. TERMINATIONS

- A. Termination for Default: This Agreement may be terminated either partially or as a whole, by either party, if the other party substantially fails to fulfill its obligations under this Agreement through no fault of the terminating party. No termination may be effected unless the other party is given: (1) at least ten (10) calendar days written notice delivered by certified mail, return receipt requested, and (2) an opportunity for consultation with the other party prior to termination.
- B. Termination for Convenience: This Agreement may be terminated either in part or as a whole by the SJRWMD in writing provided that the COUNTY and the SSWCD are given: (1) at least thirty (30) days written notice delivered by certified mail, return receipt requested, of intent to terminate, and (2) an opportunity for consultation with the SJRWMD prior to termination.
- C. If Termination for Default is effected by the SJRWMD, an equitable settlement of the amount of this Agreement shall be made, but no amount shall be allowed for unperformed services. If termination for the SJRWMD's default is effected by the COUNTY or the SSWCD, or if termination for convenience is effected by the SJRWMD, the SJRWMD shall pay for all services, materials, and costs reasonably incurred by the COUNTY or the SSWCD prior to termination.
- D. Upon receipt of a written termination notice under paragraphs A or B above, the COUNTY and the SSWCD shall: (1) immediately cease all affected work (unless the notice directs otherwise) and (2) return or otherwise make available to the SJRWMD all data, drawings, specifications, reports, estimates, summaries and any other information and materials (whether completed or in progress) as may have been given to the COUNTY and the SSWCD to carry out the terms of this Agreement within 20 days of termination or as otherwise agreed to by both parties.
- E. If the SJRWMD terminates the agreement for Default because the COUNTY or SSWCD failed to fulfill contractual obligations and it is subsequently determined that the COUNTY or SSWCD had in fact substantially performed the requirements of the Agreement, the Termination will be deemed to have been for convenience. Compensation for completed portions of this agreement will be made as provided in paragraph C. above.

## ARTICLE VIII. APPROVALS

The SJRWMD's Project Manager shall be the Executive Director or his designee. The COUNTY's Project Manager shall be the County Manager or his designee. The SSWCD's Project Manager shall be the Chairman of the Board of Supervisors or his designee. All matters shall be coordinated with or directed to the project managers for action or disposition.

## ARTICLE IX. NOTICE

Any notice or other written communication between the parties shall be considered delivered when posted by United States Mail or delivered in person to the Project Managers.

ARTICLE X. INTEREST

The COUNTY and the SSWCD warrants to the SJRWMD that no member, officer or employee of the SJRWMD has any material interest (as defined in Section 112.312(1), F.S.), either directly or indirectly, in the business of the SSWCD or the COUNTY to be conducted hereunder, and that no such person shall have any such interest at any time during the term hereof.

ARTICLE XI. GOVERNING LAW

This Agreement shall be governed by and interpreted according to the laws of Florida.

ARTICLE XII. ENTIRE AGREEMENT

It is expressly understood and agreed that this Agreement constitutes the entire Agreement of the parties, and that the parties are not bound by any stipulations, representation, agreements, or promises, oral or otherwise, not printed or inserted in this Agreement. The COUNTY and SSWCD agrees that no representations have been made by the SJRWMD in order to induce the COUNTY and SSWCD to enter into this Agreement, other than as expressly stated in this Agreement. This Agreement cannot be changed orally, nor by any means other than by written amendments expressly referencing this Agreement and signed by all parties.

In witness whereof, the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, the BOARD OF COUNTY COMMISSIONERS OF SEMINOLE COUNTY and the SEMINOLE SOIL AND WATER CONSERVATION DISTRICT have executed this Agreement on the day and year first above written.

SEMINOLE SOIL AND WATER  
CONSERVATION DISTRICT

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By: Gene Seldon  
Chairman

By: Saundra H. Gray  
Saundra H. Gray, Chairman

Attest: David M. Gey  
Secretary

Attest: Alice J. Weinberg  
Alice J. Weinberg, Secretary  
(SEAL)

BOARD OF COUNTY COMMISSIONERS  
SEMINOLE COUNTY

Ed W. Stuchman  
Chairman

LEGAL FORM APPROVED

John W. Williams  
John W. Williams,  
Senior Assistant General Counsel, SJRWMD

*State of Florida*  
*County of Seminole*  
*Father J. Gns*  
*Sworn to this 19th*  
*day of December, A.D.*  
*1990.*  
NOTARY PUBLIC, STATE OF FLORIDA.  
COMMISSION EXPIRES: Dec. 24, 1994.  
NOTED THRU NOTARY PUBLIC UNDERWRITERS.

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AGREEMENT BETWEEN  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND THE  
CITY OF JACKSONVILLE  
FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS

THIS AGREEMENT is made and entered into this 15<sup>th</sup> day of August, 1991, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT whose mailing address is P. O. Box 1429, Palatka, FL 32178-1429, (hereinafter the DISTRICT), and CITY OF JACKSONVILLE, Duval County, whose mailing address is 1300 City Hall, Jacksonville, FL 32202-3494 (hereinafter the CITY).

WITNESSETH:

WHEREAS, the waters of the State are among its basic resources, and the Florida Legislature has declared its policy to promote the conservation, development, and proper utilization of surface and ground waters; and

WHEREAS, pursuant to Chapter 373, F.S., the DISTRICT has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207 (8)(a), F.S., the Florida Legislature has directed the Water Management Districts of the State to locate all known abandoned artesian wells, and to insure that each such well is controlled 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 ground water supplies; and

WHEREAS, the CITY is a public body organized under Chapter 125, F.S., and empowered to enter into an agreement with the DISTRICT for the purpose of conserving and protecting water resources in Duval County; and

WHEREAS, the CITY has declared the waste of ground water by uncontrolled free-flowing wells to be a serious concern; and

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

WHEREAS, the CITY and the DISTRICT desire to jointly fund the costs of plugging uncontrolled free-flowing wells located in Duval County in a total amount of Twenty Thousand Dollars (\$20,000), by each party hereto committing Ten Thousand Dollars (\$10,000); and

WHEREAS, the CITY and the DISTRICT intend to have the plugging of uncontrolled free-flowing wells performed by qualified independent contractors.

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Agreement, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

#### ARTICLE I. - SCOPE OF WORK

The Scope of Work for this Agreement includes all work related to locating abandoned artesian wells in Duval County, Florida, collecting and recording pertinent data on each well, and providing the services of a licensed water well contractor to properly control the wells.

#### ARTICLE II. - DURATION OF CONTRACT

This Agreement shall be effective upon the execution thereof and shall continue until September 30, 1991. The DISTRICT and the CITY may elect to renew or extend the terms and conditions of this Agreement.

#### ARTICLE III. RESPONSIBILITIES OF THE DISTRICT

THE DISTRICT SHALL:

- A. Administer the provisions of this Agreement.
- B. Obligate for the purposes of this Agreement up to a maximum of Ten Thousand Dollars (\$10,000) for controlling abandoned artesian wells in Duval County, Florida.

- C. Provide professional and technical support necessary to carry out the project.
- D. Credit the CITY's funds on account with the DISTRICT for the plugging or repairing of wells, as work is accomplished under this Agreement.
- E. Upon request, provide progress reports detailing the methods and procedures used in plugging said wells.
- F. Return all unexpended funds to the CITY within 30 days of termination of this Agreement; however unexpended funds, including funds from an Agreement between the CITY and DISTRICT dated June 6, 1990, may be retained by the DISTRICT as provided in Article IV, paragraph C, to continue plugging wells in the CITY if the Agreement is renewed or extended.

#### ARTICLE IV. RESPONSIBILITIES OF THE CITY

##### THE CITY SHALL:

- A. Obligate for the purposes of this Agreement up to a maximum of Ten Thousand Dollars (\$10,000).
- B. Pay the DISTRICT Ten Thousand Dollars (\$10,000) for services of a water well contractor and materials needed by the contractor, as described in Article III above.
- C. Within thirty (30) days of full execution of this Agreement and prior to the commencement of any work, the CITY shall forward to the DISTRICT, the full amount of Ten Thousand Dollars (\$10,000). If this Agreement is renewed or extended, within thirty (30) days of the effective date of the renewal or extension, the CITY shall forward to the DISTRICT the difference between the amount specified in this Agreement as the CITY'S contribution to the program, and any funds retained by the DISTRICT under Article III, paragraph F.

#### ARTICLE V. INDEMNITY AND INSURANCE

- A. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees and agents thereof. The CITY shall not be responsible for personal injury or property damage attributable to the negligent acts or omissions of the contractor hired by the DISTRICT to perform the work pursuant to this agreement.

- B. The parties further agree that nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available to such parties under the laws of the State of Florida; the consent of the State of Florida or its agents and agencies to be sued by reason hereon; nor as a waiver of sovereign immunity of the State of Florida beyond the waiver provided for in Section 768.28, F.S.
- C. Each party shall acquire and maintain throughout the term of this Agreement such liability and automobile insurance as required by their current rules and regulations. This shall include self-insurance programs.

#### ARTICLE VI. TERMINATIONS

This Agreement may be terminated either in part or as a whole by either party in writing provided that the other party is given: (1) at least thirty (30) days written notice delivered by certified mail, return receipt requested, of intent to terminate, and (2) an opportunity for consultation with the other party prior to termination.

#### ARTICLE VII. APPROVALS

The DISTRICT's Project Manager shall be the Executive Director or his designee. The CITY's Project Manager shall be Gary Weise or his designee. All matters shall be coordinated with or directed to the project managers for action or disposition.

#### ARTICLE VIII. NOTICE

Any notice or other written communication between the parties shall be considered delivered when posted by United States Mail or delivered in person to the Project Managers.

#### ARTICLE IX. GOVERNING LAW

This Agreement shall be governed by and interpreted according to the laws of Florida.

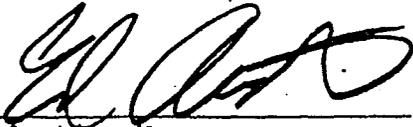
ARTICLE X. ENTIRE AGREEMENT

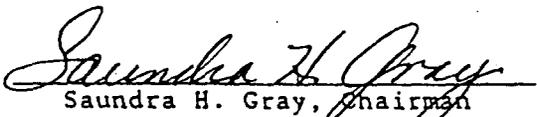
It is expressly understood and agreed that this Agreement constitutes the entire Agreement of the parties, and that the parties are not bound by any stipulations, representation, agreements, or promises, oral or otherwise, not printed or inserted in this Agreement. The CITY agrees that no representations have been made by the DISTRICT in order to induce the CITY to enter into this Agreement, other than as expressly stated in this Agreement. This Agreement cannot be changed orally, nor by any means other than by written amendments expressly referencing this Agreement and signed by all parties.

IN WITNESS WHEREOF, the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT and the CITY OF JACKSONVILLE have executed this Agreement on the day and year first above written.

CITY OF JACKSONVILLE

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

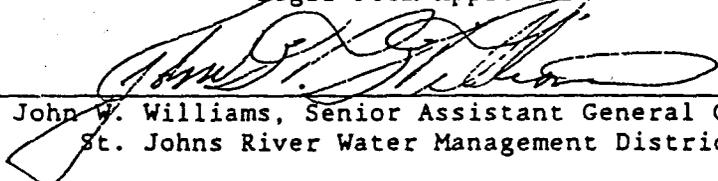
By:   
Ed Austin, Mayor

By:   
Sandra H. Gray, Chairman

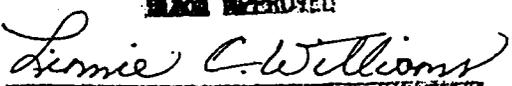
Attest:   
Corporation Secretary  
(SEAL)

Attest:   
Merritt C. Fore, Secretary  
(SEAL)

Legal Form Approved

  
John W. Williams, Senior Assistant General Counsel  
St. Johns River Water Management District

In compliance with the Charter of the City of Jacksonville, I do certify that there is unexpended, unencumbered and unappropriated balance in the appropriation sufficient to cover the foregoing contract and provision has been made for the payment of the moneys provided therein to be paid.

**LEGAL APPROVED**  
  
ASSISTANT COUNSEL

  
Director of Finance  
5726-5

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RENEWAL OF AGREEMENT

THIS RENEWAL is made and entered into this 18 day of September 1990, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter the DISTRICT) and the BOARD OF COUNTY COMMISSIONERS OF INDIAN RIVER COUNTY (hereinafter the COUNTY).

WITNESSETH:

WHEREAS on October 3, 1989, the DISTRICT and the COUNTY entered into an Agreement to control abandoned artesian wells in Indian River County; and said Agreement was amended February 14, 1990; and

WHEREAS the parties agree to renew the terms and conditions of the Agreement as provided in Article II of said Agreement.

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Renewal, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

1. The terms and conditions of the Agreement dated October 3, 1989, and the amendment dated February 14, 1990, entered into between the DISTRICT and the COUNTY are hereby renewed until September 30, 1991, at which time the DISTRICT and the COUNTY may elect to renew the terms of the Agreement on an annual basis.

All other terms and conditions of the Agreement are hereby ratified and remain in full effect.

BOARD OF COUNTY COMMISSIONERS  
OF INDIAN RIVER COUNTY

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By: George K. Ewert  
Chairman

By: Sandra H. Gray  
Sandra H. Gray, Chairman

Attest: Jeffrey K. Barlow  
Clerk to the Board  
by V. Hargreaves, S.C.

Attest: Alice J. Weinberg  
Alice J. Weinberg, Secretary

(SEAL)

(SEAL)

LEGAL FORM APPROVED

John W. Williams  
John W. Williams  
Senior Assistant General Counsel  
Office of General Counsel  
SJRWMD

Indian River Co.	Approved	Date
Admin.	<u>PSC</u>	9-4-90
Legal	<u>[Signature]</u>	8-29
Budget	<u>[Signature]</u>	9-1-90
Utilities	<u>[Signature]</u>	8-29-90
Rick Mgr.		

AGREEMENT BETWEEN  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND THE  
INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS  
FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS  
IN INDIAN RIVER COUNTY

THIS AGREEMENT is made and entered into this 3rd day of October, 1989, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT whose mailing address is P. O. Box 1429, Palatka, FL 32178-1429, (hereinafter the DISTRICT), and INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS whose mailing address is 1840 25th St., Vero Beach, Fla. 32960 (hereinafter the COUNTY).

WITNESSETH:

WHEREAS, the waters of the State are among its basic resources, and the Florida Legislature has declared its policy to promote the conservation, development, and proper utilization of surface and ground waters; and

WHEREAS, pursuant to Chapter 373, F.S., the DISTRICT has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207 (8)(a), F.S., the Florida Legislature has directed the Water Management Districts of the State to locate all known abandoned artesian wells, and to insure that each such well is controlled 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 ground water supplies; and

WHEREAS, the COUNTY is a public body organized under Chapter 125, F.S., and empowered to enter into an agreement with the DISTRICT for the purpose of conserving and protecting water resources in Indian River County; and

WHEREAS, the COUNTY, based on information from its "208" program and other water resources investigations, has declared the waste of ground water by uncontrolled free-flowing wells to be a serious concern; and

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

WHEREAS, the COUNTY and the DISTRICT desire to jointly fund the costs of plugging uncontrolled free-flowing wells located in Indian River County in a

total amount of Thirty Thousand Dollars (\$30,000), by each party hereto committing Fifteen Thousand Dollars (\$15,000); and

WHEREAS, the COUNTY and the DISTRICT intend to have the plugging of uncontrolled free-flowing wells performed by qualified independent contractors.

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Agreement, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

#### ARTICLE I. - SCOPE OF WORK

The Scope of Work for this Agreement includes all work related to locating abandoned artesian wells in Indian River County, Florida, collecting and recording pertinent data on each well, and providing the services of a licensed water well contractor to properly control the wells.

#### ARTICLE II. - DURATION OF CONTRACT

This Agreement shall be effective upon the execution thereof and shall continue until September 30, 1990. The DISTRICT and the COUNTY may elect to renew the terms of this Agreement on an annual basis.

#### ARTICLE III. RESPONSIBILITIES OF THE DISTRICT

- A. The DISTRICT shall administer the provisions of this Agreement.
- B. The DISTRICT shall obligate for the purposes of this Agreement up to a maximum of Fifteen Thousand Dollars (\$15,000) for controlling abandoned artesian wells in Indian River County, Florida (said funds are budgeted in Fiscal Year 1989-90 under Project 10-018-02).
- C. The DISTRICT shall obtain the services of a qualified water-well contractor through the following steps:
  - 1. develop general bid specifications for plugging abandoned artesian wells in conjunction with the COUNTY; and
  - 2. publish a notice of solicitation of bids in a newspaper of general circulation in Indian River County and other counties, as deemed necessary, as minimum written notice; and
  - 3. solicit bids, and select the lowest responsible bidder.

- D. The DISTRICT shall award a contract to the lowest qualified bidder, and administer the contract in the following general manner:
1. control the subcontracting of services by any contractor who is a party to the Agreement with the DISTRICT by requiring that no sub-contract can be entered into by contractor without prior DISTRICT approval; and
  2. notify the COUNTY upon execution of the Agreement with the selected contractor; and
  3. do such other things as are necessary to administer the contracts.
- E. Provide professional and technical support necessary to address all aspects of the work to water-well contractors who enter into an Agreement with the DISTRICT to carry out the project in Indian River County.
- F. Invoice the COUNTY on a quarterly basis for fifty percent (50%) of the cost of materials and labor, up to a maximum of Fifteen Thousand Dollars (\$15,000).

#### ARTICLE IV. RESPONSIBILITIES OF THE COUNTY

- A. The COUNTY shall obligate for the purposes of this Agreement up to a maximum of Fifteen Thousand Dollars (\$15,000).
- B. The COUNTY shall pay the DISTRICT up to Fifteen Thousand Dollars (\$15,000) for services of a water well contractor and materials needed by the contractor, as described in Article III above, upon receipt of quarterly invoices from the DISTRICT.
- C. The COUNTY shall also provide in-kind services to locate wells which are to be controlled, and to obtain the written consent of the property owners to have their wells controlled by the Contractor.

#### ARTICLE V. INDEMNITY AND INSURANCE

- A. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees and agents thereof. The COUNTY shall not be responsible for personal injury or property damage attributable to the negligent acts or omissions of the contractor hired by the DISTRICT to perform the work pursuant to this agreement.
- B. The parties further agree that nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available to

such parties under the laws of the State of Florida; the consent of the State of Florida or its agents and agencies to be sued by reason hereon; nor as a waiver of sovereign immunity of the State of Florida beyond the waiver provided for in Section 768.28, F.S.

- C. Each party shall acquire and maintain throughout the term of this Agreement such liability and automobile insurance as required by their current rules and regulations. This shall include self-insurance programs.

#### ARTICLE VI. TERMINATIONS

This Agreement may be terminated either in part or as a whole by either party in writing provided that the other party is given: (1) at least thirty (30) days written notice delivered by certified mail, return receipt requested, of intent to terminate, and (2) an opportunity for consultation with the other party prior to termination.

#### ARTICLE VII. APPROVALS

The DISTRICT's Project Manager shall be the Executive Director or his designee. The COUNTY's Project Manager shall be the Chairman of the Board of County Commissioners or his designee. All matters shall be coordinated with or directed to the project managers for action or disposition.

#### ARTICLE VIII. NOTICE

Any notice or other written communication between the parties shall be considered delivered when posted by United States Mail or delivered in person to the Project Managers.

#### ARTICLE IX. GOVERNING LAW

This Agreement shall be governed by and interpreted according to the laws of Florida.

#### ARTICLE X. ENTIRE AGREEMENT

It is expressly understood and agreed that this Agreement constitutes the entire Agreement of the parties, and that the parties are not bound by any stipulations, representation, agreements, or promises, oral or otherwise, not printed or inserted in this Agreement. The COUNTY agrees that no representations have been made by the DISTRICT in order to induce the COUNTY to enter into this Agreement, other than as expressly stated in this Agreement.

This Agreement cannot be changed orally, nor by any means other than by written amendments expressly referencing this Agreement and signed by all parties.

IN WITNESS WHEREOF, the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT and the INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS have executed this Agreement on the day and year first above written.

INDIAN RIVER BOARD OF COUNTY COMMISSIONERS

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

By: *Harry C. Wheeler*

By: *J. L. Minton*  
JOHN L. MINTON, CHAIRMAN

Attest: *Jeffrey K. Burton*  
*by a. w. Williams*  
D.C.  
(SEAL)

Attest: *Alice J. Weinberg*  
ALICE J. WEINBERG, SECRETARY  
(SEAL)

APPROVED BY THE OFFICE OF LEGAL SERVICES

*John W. Williams*  
JOHN W. WILLIAMS, SENIOR ATTORNEY  
St. Johns River Water Management District

Indian River Co	Approved	Date
Admin.	<i>[Signature]</i>	10-2-89
Legal	<i>[Signature]</i>	9-28-89
Budget	<i>[Signature]</i>	9-20-89
Utilities	<i>[Signature]</i>	9-28-89
Rick Mgr.		

AMENDMENT  
TO THE AGREEMENT BETWEEN  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND  
INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS  
FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS  
IN INDIAN RIVER COUNTY

THIS AMENDMENT is entered into this 26<sup>th</sup> day of March, 1990, by and between the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter SJRWMD), and the INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS (hereinafter the COUNTY).

WHEREAS, SJRWMD and the COUNTY entered into an Agreement dated October 3, 1989, for the purpose of plugging abandoned artesian wells located in Indian River County; and

WHEREAS, the DISTRICT and the COUNTY desire to amend the Agreement to increase the amount of funding allocated for the plugging of abandoned artesian wells in the COUNTY.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, and for other good and valuable consideration, SJRWMD and the COUNTY hereby agree as follows:

1. WITNESSETH: Paragraph 8 shall be amended as follows:

WHEREAS, the COUNTY and the DISTRICT desire to jointly fund the costs of plugging abandoned artesian wells located in Indian River County in a total amount of Sixty Thousand Dollars, (\$60,000), by each party hereto committing Thirty Thousand Dollars (\$30,000); and

2. ARTICLE III - RESPONSIBILITIES OF THE DISTRICT - Paragraph B is hereby amended as follows:

The DISTRICT shall obligate for the purposes of this Agreement up to a maximum of Thirty Thousand Dollars (\$30,000) for controlling abandoned artesian wells in Indian River County, Florida.

3. ARTICLE IV - RESPONSIBILITIES OF THE COUNTY -

Paragraphs A and B are hereby amended as follows:

A. The COUNTY shall obligate for the purposes of this Agreement up to a maximum of Thirty Thousand Dollars (\$30,000).

B. The COUNTY shall pay the DISTRICT up to Thirty Thousand Dollars (\$30,000) for services of a water well contractor and materials needed by the contractor to plug abandoned artesian wells as described in Article III above, upon receipt of quarterly invoices from the DISTRICT.

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RENEWAL OF MEMORANDUM OF UNDERSTANDING

THIS RENEWAL is made and entered into this 26<sup>th</sup> day of September 1990, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter the DISTRICT) and the STATE AGRICULTURAL STABLIZATION AND CONSERVATION COMMITTEE (hereinafter the COMMITTEE).

WHEREAS on January 10, 1990, the DISTRICT and the COMMITTEE entered into a Memorandum of Understanding (hereinafter MOU) to control abandoned artesian wells in the St. Johns River Water Management District; and

WHEREAS the parties agree to renew the terms and conditions of the MOU as provided in Paragraph 5 of said MOU.

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Renewal, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

1. The terms and conditions of the MOU dated January 10, 1990, entered into between the DISTRICT and the COMMITTEE, attached hereto and by reference made a part hereof, are hereby renewed until September 30, 1991, at which time the DISTRICT and the COMMITTEE may elect to renew the terms of the MOU on an annual basis.

All other terms and conditions of the MOU are hereby ratified and remain in full effect.

STATE AGRICULTURAL STABLIZATION AND CONSERVATION COMMITTEE

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

By: [Signature], Chairman

By: [Signature] Sandra H. Gray, Chairman

Attest: [Signature]

Attest: [Signature] Alice J. Weinberg, Secretary

(SEAL)

(SEAL)

LEGAL FORM APPROVED

[Signature]  
John W. Williams  
Senior Assistant General Counsel  
Office of General Counsel  
St. Johns River Water Management District

**MEMORANDUM OF UNDERSTANDING BETWEEN  
THE FLORIDA AGRICULTURAL STABILIZATION  
AND CONSERVATION COMMITTEE AND THE  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT**

Whereas, the Florida State Agricultural Stabilization and Conservation Service, hereinafter State ASC Committee, or Committee, and the St. Johns River Water Management District, hereinafter District, have common objectives of helping to bring about the conservation, development, and wise use of land, water, and related resource; and

Whereas, the State ASC Committee, pursuant to Public Law 74-46 (16 U.S.C. 590d, 590g-590o, 590p(a), 590q), and the District, pursuant to Section 373.206, Florida Statutes, enter into this Memorandum of Understanding as the foundation for a continuing cooperative working arrangement to plug or reconstruct artesian wells within the geographical boundaries of the District and agree as follows:

A. The State ASC Committee will do the following:

1. Allocate funds to the County ASC Committees for counties within the District, hereinafter local County Committees, for the specific purpose of cost-sharing 75% of the total cost for plugging qualified applicant's wells within the limitations set forth in paragraph six below.

2. Provide guidance to the local County Committees for handling on a priority basis cost-sharing assistance to accelerate well plugging or reconstruction of artesian wells in the designated counties.

3. Inform and assist, through the local County Committees, agricultural producers of the availability of Agricultural Conservation Program (ACP) funds and technical assistance within the cost-share limitation as set forth in paragraph six below, encourage participation on a voluntary basis, and collect information from persons who wish to qualify for the program.

4. Arrange for the local County Committees to obtain executed form ASCA-36, Assignment of Payment (attached), from

participating agricultural producers and to reimburse or pay the District within sixty days after receipt of an invoice from the District for expenses incurred in completed plugging or reconstruction of designated artesian wells by licensed vendors.

5. Obtain and submit the executed permits of entry from the eligible participating agricultural producer authorizing the well plugging or reconstruction and furnish such other arrangements, as may be mutually agreed upon, to the District to aid in accelerating the plugging or reconstruction of wells.

6. Finance work done for an approved agricultural producer by or on behalf of the District in the amount of 75% of the amount invoiced or \$3,500.00, whichever is less, with no agricultural producer being eligible for more than three thousand five hundred dollars (\$3,500.00) per year;

B. The District will do the following:

1. Advise and encourage landowners that cost-share assistance to plug and reconstruct artesian wells is available through the local County Committees.

2. Prepare specifications and enter into contractual agreements with licensed vendors to plug wells, undertake the necessary geophysical logging tests on wells and to reconstruct wells approved for cost-sharing.

3. Designate the well or wells on the property of the qualified agricultural producers on the prioritization schedule that the District has for plugging and reconstructing artesian wells;

4. Provide the local County Committee with certification that each individual well on which payment is to be made has been plugged and the performed work meets the District requirements.

5. Fund twenty-five percent of the total cost of plugging wells approved by the local County Committees for cost-sharing assistance, provided, however, that the sum of funding to be provided by the District for the fiscal year in which this agreement is executed will not exceed that sum of money specified in Exhibit A attached to this Memorandum. For any subsequent

fiscal year in which this agreement is renewed, each party will notify the other of the maximum amount available for funding of this agreement for that year.

6. Send the local County Committee an invoice for 75% of the cost for the contractor and material used for work done for a participating agricultural producer within thirty (30) days of completion of the work. The materials will include cement, additives, casing, valves, plugs and other fittings necessary to properly plug or reconstruct the well(s).

C. It is further understood and agreed that:

1. State and local County ASC Committee personnel and facilities will be under the administrative jurisdiction of their Committee and District personnel and facilities will be under the administrative jurisdiction of the District.

2. State and local County ASC Committee and District personnel will meet jointly to discuss priorities involving cost-sharing and technical requirements essential to obtaining an effective program operation.

3. The Committees and District hereby agree that in any contract to have work performed pursuant to this Memorandum of Understanding that the contract will provide to indemnify and hold harmless the Committees and the District, their officers, employees, successors and assigns from any loss, claims, demands, payments, suits, judgments, cost of expense whatsoever, including, without limitation, claims of lien and claims for personal injury, death, or property damage resulting or arising in any way from the exercise of the rights and privileges granted herein or in the performance of the work.

4. The District agrees that the Agricultural Stabilization and Conservation Service (ASCS) will not be held liable for any actions which it undertakes in the furtherance of the provisions of this Memorandum of Understanding. In addition, the District agrees to reimburse and indemnify the ASCS for any liability the ASCS might incur in carrying out the provisions of the Memorandum of Understanding to the extent provided by law.

5. The term of this Memorandum shall begin on the date of execution hereof and end on the 30th day of September, 1990, at 2400 hours, provided, however, that the same may be renewed annually for the period beginning October 1st of any year and ending September 30th of the year following, subject to the availability of ACP and the District funds to continue the well plugging activities. The State ASC Committee or District may terminate this Memorandum of Understanding upon thirty days prior written notice to the other party. Upon such termination, the State ASC Committee will reimburse the District for 75% of the cost of all eligible vendor-contracted services reasonably and properly performed and incurred to the effective date of termination.

IN WITNESS WHEREOF, the parties hereto have executed this document to be effective on the 10th day of January, 1990.

FLORIDA STATE ASC COMMITTEE

By: [Signature]

CHAIRPERSON

Date: 11/13/89

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By: [Signature]

SAUNDRA H. GRAY, CHAIRMAN

Date: 1/10/90

LEGAL FORM APPROVED

Nancy Barnard  
Nancy Barnard, Staff Attorney  
Office of Legal Services  
St. Johns River Water Management District

EXHIBIT A

1989-1990 Budget  
for Well Capping and Plugging

<u>Project Number</u>	<u>Amount</u>	<u>Description</u>
10-018-02-42-279	\$200,000	Well Capping and Plugging
10-018-02-42-350	<u>\$130,000</u>	Concrete & Related Products
Total	\$330,000	

**ASCS-36** U.S. Department of Agriculture, Farm Administration and Conservation Service

**ASSIGNMENT OF PAYMENT**

1. STATE \_\_\_\_\_ 2. COUNTY \_\_\_\_\_

3. PROGRAM YEAR \_\_\_\_\_

4. APPLICABLE PROGRAM (Check)

Wheat <input type="checkbox"/>	Feed Grain <input type="checkbox"/>	Upland Cotton <input type="checkbox"/>	ELS Cotton <input type="checkbox"/>
Rice <input type="checkbox"/>	Agricultural Conservation <input type="checkbox"/>	Forestry Incentives <input type="checkbox"/>	Emergency Conservation <input type="checkbox"/>
Neal Stores Conservation <input type="checkbox"/>	WBP (Annual) <input type="checkbox"/>	WBP (Cost-share) <input type="checkbox"/>	Other (Specify) _____

5. AMOUNT ASSIGNED \$ \_\_\_\_\_

7. FARM NO. \_\_\_\_\_ NAME & ADDRESS OF PRODUCER (Assignor) \_\_\_\_\_

8. NAME & ADDRESS OF LENDER (Assignee) \_\_\_\_\_

BANK ABA NUMBER \_\_\_\_\_

**Representations of Producer and Lender**

The producer (*assignor*) assigns to the lender the payments due or to become due him/her for the farm under the program and for the year identified above, not to exceed the amount shown above. The assignment is in consideration of cash or other advances made or to be made to the producer with respect to such year to finance making a crop, handling or marketing an agricultural commodity, or performing a conservation practice. The assignment is not to pay or secure any pre-existing indebtedness.

The lender (*assignee*) agrees that he/she will not charge more than the maximum rate of interest lawfully chargeable under the law of the State where the farm is located. The lender further agrees that the payments assigned shall not be discounted by charging the producer more than the current cash price for any supplies or services furnished or in any other manner whatsoever.

It is understood by the producer and the lender that the regulations issued by the Department of Agriculture governing assignments and the special provisions listed on the back of this form apply to this assignment. Both parties agree that they will promptly notify the county ASCS office of any change affecting this assignment. The lender agrees to pay over promptly to the producer (or refund to the Government for payment to the producer) any amount by which the payment made to the lender under this assignment exceeds the indebtedness secured by the assignment.

9. PRODUCER SIGN HERE \_\_\_\_\_ DATE \_\_\_\_\_

10. PRODUCER SIGNATURE WITNESSED BY: WITNESS SIGN HERE \_\_\_\_\_

11. LENDER SIGN HERE \_\_\_\_\_ DATE \_\_\_\_\_

FOR COUNTY OFFICE USE ONLY							
12. DATE FILED	13. RECORD OF PAYMENT TO ASSIGNEE						
	AMOUNT	DATE	AMOUNT	DATE	AMOUNT	DATE	
14. U.S. DEBT OWED	\$		\$		\$		

*This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, age, sex, marital status, or handicap.*

COUNTY ASC COMMITTEE

**This page intentionally left blank.**

AGREEMENT BETWEEN

THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

AND

USDA FOREST SERVICE

THIS AGREEMENT is made and entered into this 12<sup>th</sup> day of January, 1991, by and between the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, a public body created pursuant to Chapter 373, F.S. (HEREINAFTER REFERRED TO AS THE "DISTRICT"), and USDA FOREST SERVICE, ATTN: STEVE FITCH, 227 N. BRONOUGH STREET, SUITE 4061, TALLAHASSEE, FL 32301 (HEREINAFTER REFERRED TO AS THE "OWNER").

WITNESSETH

WHEREAS, the waters of the State of Florida 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, pursuant to Chapter 373, Florida Statutes, the DISTRICT has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207(8)(a), Florida Statutes, the Legislature has directed the water management districts of the state 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, abandoned artesian wells are located on the property of the OWNER; and

WHEREAS, the OWNER and the DISTRICT desire and intend to bring into compliance the aforementioned abandoned artesian wells by utilizing DISTRICT staff and equipment and/or by obtaining the services of qualified independent contractors.

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

I. The DISTRICT shall:

- A. Undertake the plugging or reconstruction of the subject wells as mutually agreed upon by both parties;
- B. As necessary, enter into a contract with a licensed water well contractor and administer the contract;
- C. Provide the professional and technical support necessary to properly address all aspects of the Agreement;
- D. Provide a report to the OWNER regarding the progress and completion of plugging the subject wells;

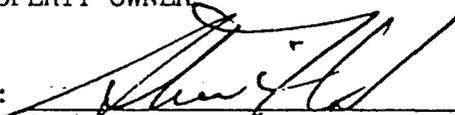
- E. Obligate for the purposes of this agreement monies to cover the difference between the OWNER's contribution and the total cost, to complete the plugging or reconstruction of the wells. The DISTRICT's obligation will be a minimum of 50% or a maximum of total cost minus six hundred dollars (\$600.00) for materials, site work and contractual services, per well.
- F. Pay the independent water well contractor (when applicable) for work performed and invoice the OWNER for his cost share.

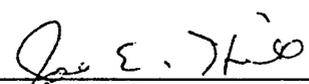
II. The OWNER shall:

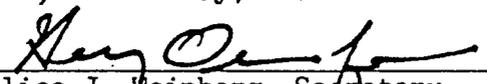
- A. Grant to the DISTRICT the right to plug the wells located on the OWNER's property.
- B. Grant to the DISTRICT reasonable ingress and egress for access to and from the wells site and the right to transport, place and remove construction equipment and vehicles used in connection with the plugging of the subject wells.
- C. Provide for the purposes of the Agreement, monies to cover 50% of costs for all materials, site work and independent contractual services, in an amount not to exceed six hundred dollars (\$600.00) per well for materials and services described above. The OWNER shall further have the option to pay all or part of his share through the provision of in-kind services and/or materials as approved by the DISTRICT's Project Manager. The type and value of these services and materials will be mutually agreed to in writing prior to commencement of work.
- D. Pay to the DISTRICT, within 30 days of receipt of invoice, up to a maximum of six hundred dollars (\$600.00) for materials and services described above.
- E. Defend, indemnify, save and hold harmless, the DISTRICT, its officers, agents, servants and employees, from suits, costs, claims, judgements for injury or damages to which the DISTRICT, or any of its officers, agents or servants, may be subjected by reason of injury to the OWNER(S) resulting from the performance of the repairing/plugging of wells or the omissions of the DISTRICT, its agents, servants, employees, and contractor or subcontractor, suppliers, materialmen or their employees.
- F. Acknowledge that this Agreement expires September 30, 1991.

USDA FOREST SERVICE  
PROPERTY OWNER

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By:   
Steve Fitch  
Forest Supervisor

By:   
Sandra H. Gray, Chairman

Attest:   
Alice J. Weinberg, Secretary

APPROVED AS TO FORM

  
John W. Williams  
Assistant Senior General Counsel

AGREEMENT BETWEEN  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND  
THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY  
FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS  
IN ST. JOHNS COUNTY

THIS AGREEMENT is made and entered into this 30th day of October, 1990, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter the DISTRICT), and the ST. JOHNS COUNTY (hereinafter the COUNTY).

WITNESSETH:

WHEREAS, the waters of the State are among its basic resources, and the Florida Legislature has declared its policy to promote the conservation, development, and proper utilization of surface and ground waters; and

WHEREAS, pursuant to Chapter 373, F.S., the DISTRICT has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207 (8)(a), F.S., the Florida Legislature has directed the Water Management Districts of the State to locate all known abandoned artesian wells, and to insure that each such well is controlled 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 ground water supplies; and

WHEREAS, the COUNTY is a public body organized under Chapter 582 F.S., and empowered to enter into an agreement with the DISTRICT for the purpose of conserving and protecting water resources in St. Johns County; and

WHEREAS, COUNTY has declared the adverse water quality impacts and waste of ground water because of abandoned artesian wells to be a serious concern; and

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

WHEREAS, COUNTY and the DISTRICT desire to jointly fund the costs incurred by a licensed water-well contractor in the controlling of abandoned artesian wells located in St. Johns County in a total amount of Ten Thousand Dollars (\$10,000).

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Agreement, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

## ARTICLE I. - SCOPE OF WORK

The Scope of Work for this Agreement includes all work related to the DISTRICT providing the services of a Licensed Water Well Contractor to properly control abandoned artesian wells in St. Johns County, Florida.

## ARTICLE II. - DURATION OF CONTRACT

This Agreement shall be effective upon the execution thereof and shall continue until September 30, 1991. The DISTRICT and COUNTY may elect to renew the terms of this Agreement on an annual basis.

## ARTICLE III. RESPONSIBILITIES OF THE DISTRICT

- A. The DISTRICT shall administer the provisions of this Agreement.
- B. The DISTRICT shall obligate for the purposes of this Agreement up to a maximum of Five Thousand Dollars (\$5,000) for controlling abandoned artesian wells in St. Johns County, Florida (said funds are budgeted in Fiscal Year 1990-91 under Project No. 10-018-12).
- C. The DISTRICT shall obtain the services of a qualified water-well contractor through competitive solicitation.
- D. The DISTRICT shall perform water quality analyses for water samples.
- E. The DISTRICT shall coordinate with the COUNTY in indentifying the wells to be controlled under the terms of this Agreement.

## ARTICLE IV. RESPONSIBILITIES OF THE COUNTY

Upon receipt of invoices from the DISTRICT, the COUNTY shall pay the DISTRICT up to Five Thousand Dollars (\$5,000) for services of a water well contractor and materials needed by the contractor to plug said wells.

## ARTICLE V. INDEMNITY AND INSURANCE

- A. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees and agents thereof.
- B. The parties further agree that nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available to such parties under the laws of the State of Florida; the consent of the State of Florida or its agents and agencies to be sued by reason hereon; nor as a waiver of sovereign immunity of the State of Florida beyond the waiver provided for in Section 768.28, F.S.
- C. Each party shall acquire and maintain throughout the term of this Agreement such liability and automobile insurance as required by their current rules, and regulations.

## ARTICLE VI. TERMINATIONS

- A. Termination for Default: This Agreement may be terminated either partially or as a whole, by either party, if the other party substantially fails to fulfill its obligations under this Agreement through no fault of the terminating party. No termination may be effected unless the other party is given: (1) at least ten (10) calendar days written notice delivered by certified mail, return receipt requested, and (2) an opportunity for consultation with the other party prior to termination.

- B. Termination for Convenience: This Agreement may be terminated either in part or as a whole by the DISTRICT in writing provided that the COUNTY is given: (1) at least thirty (30) days written notice delivered by certified mail, return receipt requested, of intent to terminate, and (2) an opportunity for consultation with the DISTRICT prior to termination.
- C. If Termination for Default is effected by the DISTRICT, an equitable settlement of the amount of this Agreement shall be made, but (1) no amount shall be allowed for unperformed services, and (2) any payment due to COUNTY at the time of actual termination shall be offset by costs incurred by the DISTRICT because of the COUNTY'S default. If termination for the DISTRICT'S default is effected by the COUNTY, or if termination for convenience is effected by the DISTRICT, the DISTRICT shall pay for all services, materials, and costs reasonably incurred by COUNTY prior to termination.
- D. Upon receipt of a written termination notice under paragraphs A or B above, COUNTY shall: (1) immediately cease all affected work (unless the notice directs otherwise) and 2) return or otherwise make available to the DISTRICT all data, drawings, specifications, reports, estimates, summaries and any other information and materials (whether completed or in progress) as may have been given to the COUNTY to carry out the terms of this Agreement within 20 days of termination or as otherwise agreed to by both parties.
- E. Upon termination under paragraphs A or B above, the DISTRICT may elect to take over the work or may award a contract to complete the work to another party.
- F. If the DISTRICT terminates the contract for Default because COUNTY failed to fulfill contractual obligations and it is subsequently determined that COUNTY had in fact substantially performed the requirements of the Agreement, the Termination will be deemed to have been for convenience. Compensation for completed portions of this contract will be made as provided in paragraph C, above.

#### ARTICLE VII. APPROVALS

The DISTRICT'S Project Manager shall be the Executive Director or his designee. The COUNTY'S Project Manager shall be the Chairman of the Board of County Commissioners or his designee. All matters shall be coordinated with or directed to the project managers for action or disposition.

#### ARTICLE VIII. NOTICE

Any notice or other written communication between the parties shall be considered delivered when posted by United States Mail or delivered in person to the Project Managers.

#### ARTICLE IX. ACCESS TO RECORDS AND CANCELLATION

A. The COUNTY agrees that the DISTRICT or their duly authorized representative shall, until the expiration of three (3) years after expenditure of funds under this Agreement have access to and the right to examine any directly pertinent books, documents, papers, and records of the COUNTY involving transactions related to this Agreement. The COUNTY agrees that payment(s) made under this Agreement shall be subject to reduction for amounts charged which are found on the basis of audit examination not to constitute allowable costs under this Agreement.

B. DISTRICT reserves the right to cancel this Agreement for refusal by the COUNTY to allow public access to all documents, papers, letters, or other materials subject to the provisions of Chapter 119, F.S.

ARTICLE X. INTEREST

COUNTY warrants to the DISTRICT that no member, officer or employee of the DISTRICT has any material interest (as defined in Section 112.312(1), F.S.), either directly or indirectly, in the business of the COUNTY to be conducted hereunder, and that so such person shall have any such interest at any time during the term hereof.

ARTICLE XI. GOVERNING LAW

This Agreement shall be governed by and interpreted according to the Laws of Florida.

ARTICLE XII. ENTIRE AGREEMENT

It is expressly understood and agreed that this Agreement constitutes the entire Agreement of the parties, and that the parties are not bound by any stipulations, representation, agreements, or promises, oral or otherwise, not printed or inserted in this Agreement. The COUNTY agrees that no representations have been made by the DISTRICT in order to induce the COUNTY to enter into this Agreement, other than as expressly stated in this Agreement. This Agreement cannot be changed orally, nor by any means other than by written amendments expressly referencing this Agreement and signed by all parties.

IN WITNESS WHEREOF, the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT and the St. Johns COUNTY have executed this Agreement on the day and year first above written.

ST. JOHNS COUNTY BOARD OF  
COUNTY COMMISSIONERS

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By: Craig A. Maguire  
Craig Maguire, Chairman

By: Saundra H. Gray  
Saundra H. Gray, Chairman

Attest: Carl B. ...  
Secretary

Attest: Alice J. Weinberg  
Alice J. Weinberg, Secretary

(SEAL)

(SEAL)

APPROVED AS TO FORM

John W. Williams  
John W. Williams, Assistant General Counsel  
Office of General Counsel

AGREEMENT BETWEEN  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND  
THE DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES  
FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS  
IN ST. JOHNS COUNTY

THIS AGREEMENT is made and entered into this 14<sup>th</sup> day of November, 1990, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter the DISTRICT), and THE STATE OF FLORIDA, DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES ACTING BY AND THROUGH THE ST. JOHNS COUNTY PUBLIC HEALTH UNIT (hereinafter the SJCPHU).

WITNESSETH:

WHEREAS, the waters of the State are among its basic resources, and the Florida Legislature has declared its policy to promote the conservation, development, and proper utilization of surface and ground waters; and

WHEREAS, pursuant to Chapter 373, F.S., DISTRICT has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207 (8)(a), F.S., the Florida Legislature has directed the Water Management Districts of the State to locate all known abandoned artesian wells, and to insure that each such well is controlled 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 ground water supplies; and

WHEREAS, the SJCPHU considers the adverse water quality impacts and the waste of ground water because of abandoned artesian wells to be a serious concern; and

WHEREAS, DISTRICT has requested the SJCPHU and the Board of County Commissioners of St. Johns County to jointly participate in a cooperative water resource conservation and protection program; and

WHEREAS, DISTRICT and the SJCPHU desire to jointly fund a position held by an Environmental Specialist to inventory abandoned artesian wells in St. Johns County.

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Agreement, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

ARTICLE I. - SCOPE OF WORK

The Scope of Work for this Agreement includes all work related to the location and the inventory of, identified abandoned artesian wells in St. Johns County, Florida, and collecting and recording pertinent data on each well identified.

ARTICLE II. - DURATION OF CONTRACT

This Agreement shall be effective upon the execution thereof and shall continue until September 30, 1991. DISTRICT and SJCPHU may elect to renew the terms of this Agreement on an annual basis. In the event of such renewal, SJCPHU shall submit to the DISTRICT within 30 days prior to expiration of the Agreement, a request for renewal of the Agreement.

ARTICLE III. RESPONSIBILITIES OF THE DISTRICT

- A. DISTRICT shall administer the provisions of this Agreement unless otherwise specified.
- B. DISTRICT shall obligate for the purposes of this Agreement up to a maximum of Thirteen Thousand Two Hundred Eighty-Eight Dollars and Eighty-Eight Cents (\$13,288.88) which is one half the yearly cost of an Environmental Specialist I position. DISTRICT shall pay the cost obligated upon receipt of a quarterly invoice from the COUNTY in the amount of \$3,322.22. The staffed position, which will be administered by the SJCPHU, is to locate and inventory abandoned artesian wells in St. Johns County, Florida.
- C. The DISTRICT shall coordinate with the SJCPHU, as requested, to address all aspects of the Scope of Work.
- D. The DISTRICT shall perform water quality analyses for water samples taken by SJCPHU from the identified wells and provide the results of said analyses upon request of the SJCPHU.

ARTICLE IV. RESPONSIBILITIES OF THE SJCPHU

- A. SJCPHU shall obligate for the purposes of this Agreement up to a maximum of Thirteen Thousand Two Hundred Eighty-Eight Dollars and Eighty-Eight Cents (\$13,288.88) which is one half the cost of an Environmental Specialist I position.
- B. Said staff position, which will be dedicated to the work as described in Article IV, Paragraph D below, is to locate and inventory abandoned artesian wells, evaluate data from the inventory and coordinate the proper control of flowing wells in St. Johns County, Florida. Staff is to provide DISTRICT with monthly progress reports, as determined acceptable by the Project Manager, identifying the activities during the preceding month.
- C. SJCPHU shall hire and supervise the activities of an Environmental Specialist I as relates to the terms of this Agreement.
- D. SJCPHU shall be responsible for locating wells which are to be controlled, for collecting water samples to be tested for chlorides and sulfates, and for providing transportation of said samples to the DISTRICT.
- E. SJCPHU will coordinate and assist in obtaining written consent from well owners participating in the DISTRICT abandoned artesian well program.
- F. The SJCPHU shall coordinate with the DISTRICT as requested, to address all aspects of the Scope of Work.

ARTICLE V. INDEMNITY AND INSURANCE

- A. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees and agents thereof.
- B. The parties further agree that nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available to such parties under the laws of the State of Florida; the consent of the State of Florida or its agents and agencies to be sued by reason hereon; nor as a waiver of sovereign immunity of the State of Florida beyond the waiver provided for in Section 768.28, F.S.
- C. The SJCPHU is a participant in the Casualty Risk Retention Program for general liability insurance administered by the Department of Insurance, Division of

Risk Management of the State of Florida. Their participation in that program provides financial protection for bodily and personal injury and property damage arising from the operations of the SJCPHU. The combined limits for this coverage amounts to \$100,000 per person per claim and \$200,000 per occurrence. The SJCPHU, as representative of the State of Florida, professes State Sovereign Immunity for amounts exceeding \$200,000. The self-insured trust fund and other various insurance policies are stated in F.S., Chapter 284, Part II, and Section 768.28. The SJCPHU agrees to maintain participation in this state insurance program for the duration of this Agreement.

#### ARTICLE VI. TERMINATIONS

- A. Termination for Cause: This Agreement may be terminated either partially or as a whole, by either party, if the other party substantially fails to fulfill its obligations under this Agreement through no fault of the terminating party. No termination may be effected unless the other party is given: (1) at least fourteen (14) calendar days written notice delivered by certified mail, return receipt requested, and (2) an opportunity for consultation with the other party prior to termination.
- B. Termination for Convenience: This Agreement may be terminated in writing either in part or as a whole by the DISTRICT or SJCPHU provided that the other party is given: (1) at least thirty (30) days written notice delivered by certified mail, return receipt requested, of intent to terminate, and (2) an opportunity for consultation with the other party prior to termination.
- C. If Termination for Default is effected by the DISTRICT, an equitable settlement of the amount of this Agreement shall be made, but (1) no amount shall be allowed for unperformed services, and (2) any payment due to SJCPHU at the time of actual termination shall be offset by costs incurred by the DISTRICT because of the SJCPHU's default. If termination for the DISTRICT's default is effected by the SJCPHU, or if termination for convenience is effected by the DISTRICT, the DISTRICT shall pay for all services, materials, and costs reasonably incurred by SJCPHU prior to termination.
- D. Upon receipt of a written termination notice under paragraphs A or B above, SJCPHU shall: (1) immediately cease all affected work (unless the notice directs otherwise) and 2) return or otherwise make available to the DISTRICT all data, drawings, specifications, reports, estimates, summaries and any other information and materials (whether completed or in progress) as may have been given to the SJCPHU to carry out the terms of this Agreement within 20 days of termination or as otherwise agreed to by both parties.
- E. Upon termination under paragraphs A or B above, the DISTRICT may elect to take over the work or may award a contract to complete the work to another party.
- F. If the DISTRICT or the SJCPHU terminates the contract for Default because other party failed to fulfill contractual obligations and it is subsequently determined that the other party had in fact substantially performed the requirements of the Agreement, the Termination will be deemed to have been for convenience. Compensation for completed portions of this contract will be made as provided in paragraph C, above.

#### ARTICLE VII. APPROVALS

The DISTRICT's Project Manager shall be the Executive Director or his designee. The SJCPHU's Project Manager shall be Dr. W. W. O'Connell. All matters shall be coordinated with or directed to the project managers for action or disposition.

ARTICLE VIII. NOTICE

Any notice or other written communication between the parties shall be considered delivered when posted by United States Mail, certified, return receipt requested or delivered in person to the Project Managers.

ARTICLE IX. ACCESS TO RECORDS AND CANCELLATION

A. The SJCPHU agrees that the DISTRICT or their duly authorized representative shall, until the expiration of three (3) years after expenditure of funds under this Agreement have access to and the right to examine any directly pertinent books, documents, papers, and records of the SJCPHU involving transactions related to this Agreement. The SJCPHU agrees that payment(s) made under this Agreement shall be subject to reduction for amounts charged which are found on the basis of audit examination not to constitute allowable costs under this Agreement.

B. Access to all documents, papers, letters, or other materials are subject to the provisions of Chapter 119, F.S.

ARTICLE X. INTEREST

SJCPHU warrants to the DISTRICT and the DISTRICT warrants to the SJCPHU that no member, officer or employee of their respective agencies, has any material interest (as defined in Section 112.312(1), F.S.), either directly or indirectly, in the business of the other agency to be conducted hereunder, and that no such person shall have any such interest at any time during the term hereof.

ARTICLE XI. ENTIRE AGREEMENT

It is expressly understood and agreed that this Agreement constitutes the entire Agreement of the parties, and that the parties are not bound by any stipulations, representation, agreements, or promises, oral or otherwise, not printed or inserted in this Agreement. The SJCPHU agrees that no representations have been made by the DISTRICT in order to induce the SJCPHU to enter into this Agreement, other than as expressly stated in this Agreement. This Agreement cannot be changed orally, nor by any means other than by written amendments expressly referencing this Agreement and signed by all parties.

IN WITNESS WHEREOF, the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT and the FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES have executed this Agreement on the day and year first above written.

FLORIDA DEPARTMENT OF HEALTH  
AND REHABILITATIVE SERVICES

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By: Lee Johnson  
Lee Johnson  
District Administrator

By: Saundra H. Gray  
Saundra H. Gray, Chairman

Attest: \_\_\_\_\_

Attest: Alice J. Weinberg  
Alice J. Weinberg, Secretary

(SEAL)

(SEAL)

APPROVED AS TO FORM

John W. Williams  
John W. Williams  
Senior Assistant General Counsel  
SJRWMD

AGREEMENT BETWEEN  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND  
THE BOARD OF COUNTY COMMISSIONERS OF PUTNAM COUNTY  
FOR THE CONTROLLING OF ABANDONED ARTESIAN WELLS  
IN PUTNAM COUNTY

THIS AGREEMENT is made and entered into this 9<sup>th</sup> day of October, 1990, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (hereinafter the DISTRICT), and the BOARD OF COUNTY COMMISSIONERS OF PUTNAM COUNTY, P. O. Box 758, Palatka, FL 32178 (hereinafter the COUNTY).

WITNESSETH:

WHEREAS, the waters of the State are among its basic resources, and the Florida Legislature has declared its policy to promote the conservation, development, and proper utilization of surface and ground waters; and

WHEREAS, pursuant to Chapter 373, F.S., the DISTRICT has been established to manage water resources within its geographical area; and

WHEREAS, pursuant to Section 373.207 (8)(a), F.S., the Florida Legislature has directed the Water Management Districts of the State to locate all known abandoned artesian wells, and to insure that each such well is controlled 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 ground water supplies; and

WHEREAS, the COUNTY is a public body organized under Chapter 582 F.S., and empowered to enter into an agreement with the DISTRICT for the purpose of conserving and protecting water resources in Putnam County; and

WHEREAS, COUNTY considers the adverse water quality impacts and the waste of ground water because of abandoned artesian wells to be a serious concern; and

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

WHEREAS, COUNTY and the DISTRICT desire to jointly fund the costs incurred by a licensed water-well contractor in the controlling of abandoned artesian wells located in Putnam County in a total amount of Six Thousand Dollars (\$6,000).

NOW, THEREFORE, in consideration of the foregoing premises which are made part of this Agreement, and the mutual covenants, terms and conditions contained herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto, each intending to be legally bound, agree as follows:

ARTICLE I. - SCOPE OF WORK

The Scope of Work for this Agreement includes all work related to the DISTRICT providing the services of a Licensed Water Well Contractor to properly control abandoned artesian wells in Putnam County, Florida.

ARTICLE II. - DURATION OF CONTRACT

This Agreement shall be effective upon the execution thereof and shall continue until September 30, 1991. The DISTRICT and COUNTY may elect to renew the terms of this Agreement on an annual basis.

ARTICLE III. RESPONSIBILITIES OF THE DISTRICT

- A. The DISTRICT shall administer the provisions of this Agreement.
- B. The DISTRICT shall obligate for the purposes of this Agreement up to a maximum of Three Thousand Dollars (\$3,000) for controlling abandoned artesian wells in Putnam County, Florida (said funds are budgeted in Fiscal Year 1990-91 under Project No. 10-018-14).
- C. The DISTRICT shall obtain the services of a qualified water-well contractor through competitive solicitation.
- D. The DISTRICT shall perform water quality analyses for water samples.
- E. The DISTRICT shall coordinate with the COUNTY in indentifying the wells to be controlled under the terms of this Agreement.

ARTICLE IV. RESPONSIBILITIES OF THE COUNTY

- A. The COUNTY shall obligate for the purposes of this Agreement up to a maximum of Three Thousand Dollars (\$3,000) for the services of a licensed water-well contractor to control abandoned artesian wells in Putnam County, Florida.
- B. The COUNTY shall pay the DISTRICT up to Three Thousand Dollars (\$3,000) for services of a water well contractor and materials needed by the contractor upon receipt of invoices from the DISTRICT.

ARTICLE V. INDEMNITY AND INSURANCE

- A. Each party is responsible for all personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees and agents thereof.
- B. The parties further agree that nothing contained herein shall be construed or interpreted as denying to any party any remedy or defense available to such parties under the laws of the State of Florida; the consent of the State of Florida or its agents and agencies to be sued by reason hereon; nor as a waiver of sovereign immunity of the State of Florida beyond the waiver provided for in Section 768.28, F.S.
- C. Each party shall acquire and maintain throughout the term of this Agreement such liability and automobile insurance as required by their current rules and regulations.

ARTICLE VI. TERMINATIONS

- A. Termination for Default: This Agreement may be terminated either partially or as a whole, by either party, if the other party substantially fails to fulfill its obligations under this Agreement through no fault of the terminating party. No termination may be effected unless the other

- party is given: (1) at least ten (10) calendar days written notice delivered by certified mail, return receipt requested, and (2) an opportunity for consultation with the other party prior to termination.
- B. Termination for Convenience: This Agreement may be terminated either in part or as a whole by the DISTRICT in writing provided that the COUNTY is given: (1) at least thirty (30) days written notice delivered by certified mail, return receipt requested, of intent to terminate, and (2) an opportunity for consultation with the DISTRICT prior to termination.
- C. If Termination for Default is effected by the DISTRICT, an equitable settlement of the amount of this Agreement shall be made, but (1) no amount shall be allowed for unperformed services, and (2) any payment due to COUNTY at the time of actual termination shall be offset by costs incurred by the DISTRICT because of the COUNTY'S default. If termination for the DISTRICT'S default is effected by the COUNTY, or if termination for convenience is effected by the DISTRICT, the DISTRICT shall pay for all services, materials, and costs reasonably incurred by COUNTY prior to termination.
- D. Upon receipt of a written termination notice under paragraphs A or B above, COUNTY shall: (1) immediately cease all affected work (unless the notice directs otherwise) and 2) return or otherwise make available to the DISTRICT all data, drawings, specifications, reports, estimates, summaries and any other information and materials (whether completed or in progress) as may have been given to the COUNTY to carry out the terms of this Agreement within 20 days of termination or as otherwise agreed to by both parties.
- E. Upon termination under paragraphs A or B above, the DISTRICT may elect to take over the work or may award a contract to complete the work to another party.
- F. If the DISTRICT terminates the contract for Default because COUNTY failed to fulfill contractual obligations and it is subsequently determined that COUNTY had in fact substantially performed the requirements of the Agreement, the Termination will be deemed to have been for convenience. Compensation for completed portions of this contract will be made as provided in paragraph C, above.

#### ARTICLE VII. APPROVALS

The DISTRICT'S Project Manager shall be the Executive Director or his designee. The COUNTY'S Project Manager shall be the Chairman of the Board of County Commissioners or his designee. All matters shall be coordinated with or directed to the project managers for action or disposition.

#### ARTICLE VIII. NOTICE

Any notice or other written communication between the parties shall be considered delivered when posted by United States Mail or delivered in person to the Project Managers.

#### ARTICLE IX. ACCESS TO RECORDS AND CANCELLATION

A. The COUNTY agrees that the DISTRICT or their duly authorized representative shall, until the expiration of three (3) years after expenditure of funds under this Agreement have access to and the right to examine any directly pertinent books, documents, papers, and records of the COUNTY involving transactions related to this Agreement. The COUNTY agrees that payment(s) made under this Agreement shall be subject to reduction for amounts charged

which are found on the basis of audit examination not to constitute allowable costs under this Agreement.

B. DISTRICT reserves the right to cancel this Agreement for refusal by the COUNTY to allow public access to all documents, papers, letters, or other materials subject to the provisions of Chapter 119, F.S.

ARTICLE X. INTEREST

COUNTY warrants to the DISTRICT that no member, officer or employee of the DISTRICT has any material interest (as defined in Section 112.312(1), F.S.), either directly or indirectly, in the business of the COUNTY to be conducted hereunder, and that so such person shall have any such interest at any time during the term hereof.

ARTICLE XI. GOVERNING LAW

This Agreement shall be governed by and interpreted according to the Laws of Florida.

ARTICLE XII. ENTIRE AGREEMENT

It is expressly understood and agreed that this Agreement constitutes the entire Agreement of the parties, and that the parties are not bound by any stipulations, representation, agreements, or promises, oral or otherwise, not printed or inserted in this Agreement. The COUNTY agrees that no representations have been made by the DISTRICT in order to induce the COUNTY to enter into this Agreement, other than as expressly stated in this Agreement. This Agreement cannot be changed orally, nor by any means other than by written amendments expressly referencing this Agreement and signed by all parties.

IN WITNESS WHEREOF, the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT and the PUTNAM COUNTY have executed this Agreement on the day and year first above written.

PUTNAM COUNTY BOARD OF  
COUNTY COMMISSIONERS

ST. JOHNS RIVER WATER  
MANAGEMENT DISTRICT

By: [Signature]  
Chairman

By: [Signature]  
Saundra H. Gray, Chairman

Attest: [Signature]

Attest: [Signature]  
Alice J. Weinberg, Secretary

(SEAL)

(SEAL)

APPROVED AS TO FORM

[Signature]  
John W. Williams, Assistant General Counsel  
Office of General Counsel

AGREEMENT BETWEEN  
THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AND O. E. SMITH'S SONS, INC.  
TO PLUG ABANDONED, UNCONTROLLED AND FREE-FLOWING WELLS

THIS AGREEMENT is made and entered into this 21st day of December, 1990, by and between the GOVERNING BOARD of the ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, (hereinafter the DISTRICT), and O. E. SMITH'S SONS, INC., 11749 U. S. 1 North, Jacksonville, FL 32219 (hereinafter the CONTRACTOR).

WITNESSETH:

THAT, in consideration of the premises which are made part of this Agreement and the mutual covenants, terms and conditions contained herein, CONTRACTOR hereby agrees to do and perform all work and labor required to plug abandoned, uncontrolled, and free-flowing wells in the St. Johns River Water Management District, and to complete the work in entire conformity with the Specifications and other Contract Documents as defined herein and on file at the DISTRICT, which are duly approved and hereby made part of this Agreement as fully and with the same effect as if they had been set forth at length in the body of this Agreement.

The Contract Documents consist of the following items, including all modifications thereof incorporated in the Documents before their execution. These form the Contract: Advertisement for Bids; Instructions to Bidders; Bid Form; Agreement; Performance Bond; General Conditions; Special Conditions; and Technical Specifications.

ARTICLE I - THE PROJECT

The CONTRACTOR shall plug or repair abandoned, uncontrolled, and free-flowing wells in the St. Johns River Water Management District, as described in Section 7 - Technical Specifications, attached hereto and by reference made a part hereof.

ARTICLE II - RESPONSIBILITIES OF THE CONTRACTOR

A. The CONTRACTOR shall begin the project as described in Section 7 - Technical Specifications, upon receipt of a written Notice to Proceed from the DISTRICT, on the basis of a series of Work Orders issued throughout the term of this Agreement.

B. The CONTRACTOR is responsible for the professional quality, technical accuracy, and timely completion of the work to be done pursuant to this agreement as well as any reports to be submitted in connection herewith.

C. To the extent allowed by law, the CONTRACTOR shall remain liable for all damages to or incurred by the DISTRICT caused by the CONTRACTOR'S negligent performance of any of the services furnished under this agreement except to the extent attributable to the DISTRICT.

D. The CONTRACTOR represents that it is an independent contractor and not an employee of the DISTRICT, nor are any of CONTRACTOR's employees performing services in furtherance of this Agreement to be considered to be employees of the DISTRICT.

E. The CONTRACTOR shall maintain current his Florida Water-Well Contractor License throughout the life of this agreement.

F. The CONTRACTOR shall make available and maintain in good operating condition all equipment listed in the Bid Schedule and necessary for the successful completion of the work. Failure to provide adequate equipment will result in the termination of this agreement.

G. Work may be performed under the terms of this Agreement outside the Scope of Work. Such work, if requested by the DISTRICT, shall be negotiated on a case by case basis.

#### ARTICLE III - RESPONSIBILITIES OF THE DISTRICT

A. Prior to the CONTRACTOR'S commencement of work, the DISTRICT shall provide and transmit to the CONTRACTOR a written Notice to Proceed.

B. DISTRICT shall transmit to CONTRACTOR detailed Work Orders for each well or group of wells to be plugged or repaired.

C. As is further specified in this Agreement, the DISTRICT shall provide timely reviews of any and all invoices and reports related to this Agreement submitted by the CONTRACTOR.

D. The DISTRICT shall pay the CONTRACTOR in accordance with the provisions of Section VI of this Agreement.

E. The DISTRICT shall be available to the CONTRACTOR to respond to questions regarding the project.

F. The DISTRICT reserves the right to terminate this Agreement according to Section 5, Article 12, General Conditions, should the CONTRACTOR fail to perform the Work according to the Contract Documents.

#### ARTICLE IV - REPORTS REQUIRED

Contractor Daily Summary Sheets: At the end of each workday, the Contractor and the DISTRICT representative shall sign a Daily Summary sheet to attest to the amount of drilling time earned and any materials used. Well Construction Completion Reports as described in FAC 40C -3, shall also be submitted by the Contractor for all wells.

#### ARTICLE V - SCHEDULE OF WORK

The CONTRACTOR shall complete the work as set forth in the Technical Specifications by September 30, 1991, according to the Work Orders as issued by the Project Manager. Time is of the essence of this Agreement.

#### ARTICLE VI - COMPENSATION

A. Payment for Services: For satisfactory performance of the tasks outlined herein, the DISTRICT agrees to pay the CONTRACTOR, according to the unit prices of the Base Bid in an amount not to exceed two hundred twenty thousand dollars

(\$220,000.00). Payment for all other work associated with this project shall be made only upon receipt of paid invoices and acceptance of same by the Project Manager.

B. Invoicing Procedure: CONTRACTOR shall submit an invoice at the conclusion of each Work Order to the Director of Finance and Accounting, P. O. Box 1429, Palatka, FL 32178-1429. The invoices should correlate with each Work Order issued by the DISTRICT and the daily summary sheets.

C. Payment Procedure: The DISTRICT shall pay the CONTRACTOR ninety percent (90%) of each invoice presented by CONTRACTOR within thirty (30) days of presentation. The DISTRICT shall retain ten percent (10%) of each invoice amount until the conclusion of the agreement. Payments due and unpaid under this Agreement shall not bear interest.

D. Release: CONTRACTOR agrees that acceptance of the final payment shall be considered as a release in full of all claims against the DISTRICT or any of its members, agents, and employees, arising out of, or by reason of, the work done and materials furnished under this Agreement.

#### ARTICLE VII - INDEMNITY AND INSURANCE

The CONTRACTOR agrees to make payment of all proper charges for labor and materials required in the aforementioned work, and to defend, indemnify, save and hold harmless the DISTRICT and all of its officers, agents, employees and servants, and each and every one of them, against and from all damages to which the DISTRICT 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 agreement, according to the true intent and meaning thereof, then the DISTRICT may avail himself of any or all remedies provided in the agreement and shall have the right and power to proceed in accordance with the provisions thereof.

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

The CONTRACTOR also agrees to acquire and maintain all insurance required under Article 15 of the General Conditions.

#### ARTICLE VIII - INTEREST OF CONTRACTOR

CONTRACTOR warrants to the DISTRICT that no member, officer or employee of the DISTRICT 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.

ARTICLE IX - GOVERNING LAW

The conditions and terms of this Agreement shall be governed by the Laws of Florida.

IN WITNESS WHEREOF, the said ST. JOHNS RIVER WATER MANAGEMENT DISTRICT has caused this Agreement 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 Agreement 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.

O. E. SMITH'S SONS, INC.

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

By: George O. Smith, President  
George O. Smith, President

By: Sandra H. Gray, Chairman  
Sandra H. Gray, Chairman

Attest: Helene Beck, Secretary  
Helene Beck, Secretary

Attest: Alice G. Weinberg, Secretary  
Alice G. Weinberg, Secretary

(CORPORATE SEAL)

(SEAL)

APPROVED AS TO FORM

John W. Williams  
John W. Williams  
Senior Assistant General Counsel  
SJRWMD

## SECTION 7 - TECHNICAL SPECIFICATIONS

### TS-01 DESCRIPTION OF WORK

The work is located in three primary work areas within the DISTRICT. The work areas consist of all or portions of the following counties located within the DISTRICT:

WORK AREA I: Indian River, Brevard, Okeechobee and Osceola counties

WORK AREA II: Seminole County, Lake, Orange and Polk counties

WORK AREA III: Volusia, Orange, Flagler, Putnam, St. Johns, Duval, Nassau, Marion, Baker, Alachua and Clay counties.

A map showing the boundaries of the DISTRICT and of the work areas is included in the Appendix.

The work includes, but may not be limited to, the following:

1. Removing fittings from the well head or excavating the well head to gain vertical access to the well
2. Clearing any obstructions from the wells
3. Grouting the wells by one of, or combination of, the methods listed in the "Methods" section of these specifications
4. Removing all materials and trash from the sites
5. Restoring the sites to original condition
6. Repairing wells by installing valves on the wellhead, backfilling wells, or installing and cementing new casing in the well.

### TS-02 METHOD OF PLUGGING

1. Plugging - The wells shall be plugged by backfilling with a cement slurry from the bottom of the well to land surface. The cement slurry shall be mixed according to the materials specifications and pumped through tremie pipe set at the bottom of the well or previous stage of cement. The volume of slurry to be pumped in each stage will be determined at each site. The CONTRACTOR shall have a mixing tank and pump capable of handling a minimum of 500 gallons of cement slurry.
2. Bridge Plugs - In some cases, it may be necessary to install a plug to bridge certain areas in the wells. These plugs shall be used to prevent the loss of cement to the formations. Generally, after a bridge plug has been installed, the backfilling method will be used to complete the plugging operation. The actual length of the plug will vary from well to well.
3. Well Repair/Rehabilitation - In some cases, wells may be backfilled to seal off certain flow zones, and liner casing installed to reconstruct the well. In this case, the DISTRICT may elect to supply all casings, plugs, cement baskets, gravel or any other material that is above and beyond what is

required for normal plugging operation. The District reserves the right to direct that the well be backfilled with sand/gravel.

4. Optional Plugging Method - Contractors are encouraged to submit alternate plugging procedures. The alternate procedure, if submitted, must describe the method to be employed, and include cost for all materials and labor. Alternate procedures to plug wells and their costs should be attached to, but separate from, the formal bid documents. The DISTRICT may, entirely at its own discretion, elect to accept any alternative plugging procedure it considers to be in its best interest and consistent with the overall objectives of the program.

#### TS-03 MATERIALS

All cement, bentonite, and additives shall be furnished by the CONTRACTOR, at the price specified in the Bid for Materials in the Bid Schedule unless District elects otherwise in writing.

The cement shall be new Type I or Type II Portland, and the bentonite, or a specified liquid equivalent, shall be used as a thickening agent. The slurry shall be a mixture of 6-7 gallons of water to one 94 lb. sack of Portland cement and 3-5 lbs. of bentonite.

The DISTRICT may elect to request the CONTRACTOR to furnish valves, casings, or other fittings as needed to repair wells. These items shall be authorized through and included on the Daily Summary sheets with the prices listed.

**Appendix C**

**INVENTORY OF ABANDONED ARTESIAN AND PLUGGED WELLS**



## Key to column headings

WELL OWNER Owner's name

WELL ID In-house identification number assigned to each well. The first letter or two letters are an abbreviation for the county, for example, "C-" = Clay or "BR" = Brevard

FLOW GPM Flow measured in gallons per minute (gpm)

CL PPM Chlorides measured in parts per million (ppm)

LATITUDE Latitude for example 282742 is 28° 27' 42"

LONGITUDE Longitude for example 813425 is 81° 34' 25"

WELL DEPTH Depth of well, in feet below land surface

CASE DEPTH Cased depth of well, in feet below land surface

WELL DIAM Diameter of the well, in inches

COMMENTS

**INVENTORY OF WELLS PLUGGED OR RECONSTRUCTED BY  
THE ABANDONED ARTESIAN WELL PLUGGING PROGRAM AT  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
1982-1991**

WELL OWNER	WELL ID	FLOW GPM	CL FPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
<b>BREVARD COUNTY</b>									
ABARE, WAYNE	BR0634	50	719	275918	803321	-	-	2	PLUGGED 6/7/88
ANDERSON, SAM	BR0630	685	706	281303	804018	494	100	6	PLUGGED 08/09/88
ARMSTRONG, BILL	BR0703	-	-	280820	803537	-	-	2	PLUGGED 5/87
A. DUDA & SONS	BR0898	400	-	281347	804322	-	-	4	PLUGGED 7/20/89
BAKER, HARVERY L.	BR0841	46	-	282205	804155	242	120	4	PLUGGED 6/4/87
BALL, GEORGE	BR0592	120	1800	281845	803838	260	66	4	PLUGGED 5/30/85
BARBOUR, CARRIE	BR1100	50	749	282151	803852	-	-	2	PLUGGED 07/31/91
BARNAVON, BO	BR0900	50	-	281821	804424	-	-	4	PLUGGED 7/17/89
BARNAVON, BO	BR0024	20	-	281823	804432	180	120	2	PLUGGED 6/10/88
BEACHWOODS	BR0227	20	601	280153	803231	-	-	1.5	PLUGGED 1984
BEHL, DOROTHY	BR0902	25	-	282229	804012	-	-	2	PLUGGED 7/27/89
BENT, M.S.	BR0614	20	735	281019	803714	230	-	3.5	PLUGGED 5/28/87
BETHESDA RET HOME	BR0493	-	-	280138	803516	1360	330	4	PLUGGED 4/28/87
BIRMINGHAM, MICHAEL	BR0944	50	1550	281735	804043	-	-	6	PLUGGED 5/29/90
BR CITY REC&PARKS	BR0946	500	523	280817	803450	480	-	6	PLUGGED 5/1/90
BR CO PARKS & REC.	BR1019	35	520	281227	803947	-	-	2	PLUGGED 4/10/90
BREV CO SCHOOL	BR0873	1500	-	275331	803834	-	-	8	PLUGGED 4/25/89
BREVARD COUNTY	BR0502	75	950	281557	804010	261	-	4	PLUGGED 6/85
BREVARD COUNTY	BR0507	100	-	282108	804842	150	-	4	PLUGGED 4/16/87
BREVARD COUNTY	BR0696	1400	202	275229	802954	743	194	10	PLUGGED 4/16/88
BREVARD COUNTY	BR0511	-	-	280804	804118	350	80	2	PLUGGED 3/30/87
BREVARD COUNTY	BR0822	20	-	282132	804701	85	-	2.5	PLUGGED 06/10/88
BREVARD COUNTY	BR0386	175	1080	282123	804017	228	100	4	PLUGGED 3/16/87
BREVARD COUNTY	BR0520	10	2070	282204	804214	220	-	2	PLUGGED 5/29/87
BREVARD COUNTY	BR0151	50	1653	282420	804135	-	-	4	PLUGGED 4/13/89
BREVARD CO. MC	BR0081	10	229	275231	802807	203	103	4	PLUGGED 11/15/82
BREVARD CO. MC	BR0213	150	1070	282543	804122	135	-	4	PLUGGED 5/23/90
BREVARD CO. MC	BR0406	40	1680	282327	804034	260	-	4	PLUGGED 8/12/88
BREVARD CO. MC	BR0409	165	207	275211	802722	448	102	4	PLUGGED 6/84
BREVARD CO. MC	BR0410	190	200	275217	802721	377	81	3	PLUGGED 9/21/82
BREVARD CO. MC	BR0091	5	320	275609	803024	363	103	4	PLUGGED 9/29/82
BREVARD CO. MC	BR1148	50	344	275248	802737	300	-	4	PLUGGED 7/11/91
BREVARD CO. MC	BR0209	25	1319	282417	804135	-	-	2	PLUGGED 4/13/89

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
BREVARD CO. MC	BR0098	200	1075	281829	804031	140	-	4	PLUGGED 6/6/85
BREVARD CO. MC	BR0082	220	344	275301	802804	393	100	4	PLUGGED 9/22/82
BREVARD CO. MC	BR0088	50	344	275535	802946	328	-	4	PLUGGED 7/15/91
BREVARD CO. MC	BR0437	5	260	275520	802937	439	195	4	PLUGGED 1984
BREVARD CO. MC	BR0438	-	-	275532	802921	378	103	4	PLUGGED 1984
BREVARD CO. MC	BR1147	40	776	275850	803018	320	-	4	PLUGGED 7/10/91
BREVARD CO. MC	BR0087	50	260	275518	802936	498	-	4	PLUGGED 11/18/82
BREVARD CO. MC	BR0394	200	1162	281746	804027	290	-	4	PLUGGED 5/11/85
BREVARD CO. MC	BR0086	200	214	275425	802838	358	101	4	PLUGGED 11/24/82
BREVARD CO. MC	BR0097	50	888	275848	803121	328	-	4	PLUGGED 7/9/91
BREVARD CO. MC	BR1149	100	-	282017	804105	182	-	4	PLUGGED 7/31/91
BREVARD CO. MC	BR0083	126	230	275305	802804	363	103	3	PLUGGED 12/82
BREVARD CO. MC	BR0238	135	1340	282416	804046	261	84	4	PLUGGED 8/10/88
BREVARD CO. MC	BR0241	100	1400	282601	804148	172	-	4	PLUGGED 08/09/88
BREVARD CO. MC	BR0069	175	1590	275838	803109	346	102	4	PLUGGED 3/27/87
BREVARD CO. MC	BR0078	170	227	275208	802717	449	102	4	PLUGGED 9/14/82
BREVARD CO. MC	BR0085	290	267	275357	802817	-	-	4	PLUGGED 9/29/82
BREVARD CO. MC	BR0093	100	357	275828	803032	403	104	4	PLUGGED 4/82
BREVARD CO. MC	BR0099	200	1048	281850	804038	141	104	4	PLUGGED 5/23/85
BREVARD CO. MC	BR0080	200	234	275227	802803	406	103	4	PLUGGED 9/15/82
BREVARD CO. MC	BR0694	75	660	282420	804047	217	84	4	PLUGGED 11/85
BREVARD CO. MC	BR0013	125	2660	282649	804320	210	-	3	PLUGGED 07/01/88
BREVARD CO. MC	BR0600	75	706	282741	803539	330	100	4	PLUGGED 06/17/88
BREVARD CO. PARKS	BR0038	300	355	275435	803110	-	-	2.5	REPAIRED 8/13/90
BREWER, GRAY	BR0664	50	4220	282622	804534	-	-	2	PLUGGED 6/4/85
BROWNING, LYNN	BR0503	30	475	275749	803240	250	-	2	PLUGGED 3/31/87
BROWNING, LYNN	BR0498	60	519	275751	803235	250	-	4	PLUGGED 3/31/87
BRUNO, M.	BR0497	100	540	280138	803219	-	-	4	PLUGGED 06/08/88
BRUSH, RON	BR1007	5	-	282221	804154	180	-	2	PLUGGED 5/29/90
BUCHANAN, JAMES	BR1023	35	941	281728	804046	-	-	2	PLUGGED 4/9/90
BURR, CLINTON	BR0655	5	-	282331	804220	-	-	2	PLUGGED 4/17/89
BUTLER, LESTER	BR0270	5	3580	282441	804244	-	-	3	PLUGGED 08/08/88
CAPE CANAVERAL AFS	BR0601	70	-	282944	803244	270	-	3	PLUGGED 06/21/88
CAPE CANAVERAL AFS	BR0614	0	-	283104	804029	105	-	2	PLUGGED 06/24/88
CAPE CANAVERAL AFS	BR0574	100	882	282528	803606	310	-	8	PLUGGED 06/16/88
CAPE CANAVERAL AFS	BR0575	40	812	282510	803607	145	-	3	PLUGGED 06/16/88

WELL OWNER	WELL ID	FLOW GPM	CL FPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
CAPE CANAVERAL AFS	BR0550	50	524	282737	803139	374	109	3	PLUGGED 06/13/88
CAPE CANAVERAL AFS	BR0577	200	-	282823	803425	360	-	4	PLUGGED 06/20/88
CAPE CANAVERAL AFS	BR0578	50	-	282852	803456	250	-	4	PLUGGED 06/20/88
CAPE CANAVERAL AFS	BR0551	75	600	283026	803309	262	100	4	PLUGGED 06/21/88
CAPE CANAVERAL AFS	BR0603	400	-	282528	803604	350	-	8	PLUGGED 06/15/88
CAPE CANAVERAL AFS	BR0546	626	1368	282500	803638	350	162	12	PLUGGED 06/14/88
CARD, ANITA	BR0984	5	-	282043	803625	-	-	2	PLUGGED 4/11/90
CARD, ANITA	BR0983	5	-	282043	803629	-	-	2	PLUGGED 4/16/90
CARD, ANITA	BR0982	5	868	282043	803632	-	-	2	PLUGGED 4/11/90
CARD, ANITA	BR0980	5	-	282044	803630	-	-	2	PLUGGED 4/17/90
CARD, ANITA	BR0979	5	-	282044	803627	-	-	2	PLUGGED 4/12/90
CENTEX REAL ESTATE	BR0993	250	-	281822	804450	-	-	6	PLUGGED 5/24/90
CENTEX REAL ESTATE	BR0992	500	779	281825	804436	320	-	8	PLUGGED 5/22/90
CEVESCO, INC.	BR0417	20	1136	282337	803654	-	-	3	PLUGGED 4/17/89
CITY OF COCOA	BR0981	1000	1732	282112	804327	192	100	8	PLUGGED 7/30/91
CITY OF COCOA BCH	BR0702	250	900	281846	803809	265	233	6	PLUGGED 7/11/86
CITY OF COCOA BCH	BR0662	150	-	282109	803623	330	-	4	PLUGGED 6/9/85
CITY OF MELBOURNE	BR0722	5	548	280832	803813	-	-	3	PLUGGED 08/02/88
CITY OF MELBOURNE	BR0517	90	755	280449	803738	240	-	4	PLUGGED 5/28/87
CITY OF PALM BAY	BR0522	200	627	275957	803928	290	128	4	PLUGGED 05/31/88
CITY OF ROCKLEDGE	BR0945	100	880	281847	804420	240	-	4	PLUGGED 5/23/90
CITY OF ROCKLEDGE	BR0429	150	1062	281902	804407	230	-	4	PLUGGED 6/11/85
COLORADO CORP.	BR0994	500	-	282326	804137	-	-	2	PLUGGED 6/14/90
CONNER, C.H.	BR0950	10	1679	282252	804159	125	-	2	PLUGGED 5/23/90
COTNEY, RUFUS	BR0642	30	2280	282432	804238	385	-	8	PLUGGED 06/29/88
COUCH PUMPS	BR0423	450	-	275553	803138	798	71	12	RECONSTRUCTED 6/84
COUCH PUMPS	BR0623	623	38	275554	803138	628	159	8	PLUGGED 06/10/88
CRISAFULLI, BUD	BR0533	75	1300	282808	804221	135	89	4	PLUGGED 6/85
CRISAFULLI, BUD	BR0521	85	1830	282625	804310	200	-	3	PLUGGED 6/12/85
CRISAFULLI, REN	BR0719	100	832	282747	804137	-	-	3	PLUGGED 08/08/88
CURRY, T. BRADLEY	BR0488	-	700	281732	804023	221	104	4	PLUGGED 4/13/87
DEER RUN	BR0253	845	768	275207	803951	680	100	6	PLUGGED 06/01/88
DEER RUN	BR0561	550	719	275202	803853	680	-	6	PLUGGED 06/02/88
DEER RUN	BR0564	845	740	275218	803921	340	120	6	PLUGGED 06/01/88
DEER RUN	BR0017	845	785	275235	803855	680	-	6	PLUGGED 5/31/88
DEER RUN	BR0593	10	725	275213	803738	720	-	10	PLUGGED 06/02/88

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
DEMASSEY, GEORGE	BR0543	5	1549	282106	804137	-	-	2	PLUGGED 07/01/88
DIDATO, JIM	BR0359	-	499	280447	804141	450	85	4	PLUGGED 3/17/87
DIXON, HOWARD	BR0955	100	-	282133	804556	346	102	4	PLUGGED 5/30/90
DOT	BR0995	100	-	275953	803725	-	-	4	PLUGGED 6/7/90
EDWARDS, JOHN	BR0578	20	610	280335	803546	-	-	2	PLUGGED 08/07/88
EMERSON, RICHARD	BR0513	15	671	280711	803751	-	-	1.5	PLUGGED 1987
ENTERPRISE INTERN.	BR0432	75	885	281830	804420	132	84	4	PLUGGED 6/5/85
FAULL, JACK	BR0508	-	-	282024	804438	150	-	3	PLUGGED 4/18/87
FED NATL WILD REF.	BR0587	25	7500	283944	804633	200	114	4	PLUGGED 1984
FEDERAL (KSC)	BR0588	50	1370	283134	803802	246	139	4	PLUGGED 5/84
FIRST BAPT. CHURCH	BR0962	50	-	282123	804210	145	-	2	PLUGGED 6/1/90
FOOSANER	BR0591	100	1680	282757	804117	183	86	4	PLUGGED 6/12/85
FOOSANER	BR0590	100	1840	282756	804108	202	84	3	PLUGGED 6/11/85
FOOSANER	BR0594	75	1520	282755	804106	212	36	4	PLUGGED 6/11/85
FOOSANER	BR0681	100	-	282759	804108	220	-	4	PLUGGED 6/12/85
FP&L	BR0580	1400	857	280457	803622	513	-	10	PLUGGED 06/08/88
GAUPP, M.K.	BR0492	-	944	281908	804241	202	142	4	PLUGGED 3/24/87
GDC	BR0263	250	728	275830	804121	378	82	2	PLUGGED 7/11/84
GDC	BR0656	150	100	275652	804250	122	120	4	PLUGGED 4/24/86
GDC	BR0652	220	470	275807	804247	288	103	4	PLUGGED 1985
GDC	BR0648	-	653	275857	804202	-	-	6	PLUGGED 1985
GDC	BR0646	150	721	275552	804222	242	116	6	PLUGGED 4/23/86
GDC	BR0265	350	680	275648	804221	314	74	4	PLUGGED 4/22/86
GDC	BR0894	200	-	280036	804441	-	-	3	PLUGGED 7/18/89
GDC	BR0893	400	-	280026	804428	-	-	4	PLUGGED 7/19/89
GDC	BR0892	300	-	280023	804417	-	-	4	PLUGGED 7/18/89
GDC	BR0891	200	-	280012	804432	-	-	4	PLUGGED 7/19/89
GDC PORT MALABAR	BR0258	250	800	275459	804011	336	107	6	PLUGGED 1984
GDC PORT MALABAR	BR0282	360	490	280007	804337	349	87	6	PLUGGED 1984
GDC PORT MALABAR	BR0261	15	750	275548	804136	318	93	4	PLUGGED 4/24/86
GDC PORT MALABAR	BR0278	50	665	275926	804146	347	127	4	PLUGGED 7/11/84
GDC PORT MALABAR	BR0259	360	445	275530	804050	335	124	6	PLUGGED 1984
GDC PORT MALABAR	BR0262	360	820	275546	804145	299	123	6	PLUGGED 1984
GRICCO	BR0973	10	1820	282225	804215	150	-	2	PLUGGED 5/9/90
GRIFFIS, EDGAR	BR0866	20	-	282413	804010	-	-	2	PLUGGED 4/17/89
GROOT, WILLIAM	BR1033	5	-	282213	804137	120	-	2	PLUGGED 5/29/90

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
GUTOSKI, BRUCE	BR1037	-	-	282053	803942	-	-	2	
HALL, CAROLYN	BR1008	100	-	282545	804520	-	-	6	PLUGGED 8/7/90
HAMILTON, BRIAN	BR0723	500	1120	281942	804104	-	-	6	PLUGGED 08/09/88
HANLON, ED	BR0649	200	2085	282514	804303	170	-	4	PLUGGED 08/29/88
HAYES, PETER	BR0847	250	-	282508	804037	-	-	6	PLUGGED 4/11/89
HAYES, PETER	BR0843	250	-	282538	804040	-	-	6	PLUGGED 4/12/89
HAYES, PETER	BR0846	75	-	282532	804046	-	-	4	PLUGGED 4/10/89
HAYES, PETER	BR0840	50	-	282534	804044	-	-	2	PLUGGED 4/10/89
HAYES, PETER	BR0842	100	-	282548	804043	-	-	2.5	PLUGGED 4/11/89
HAYES, PETER	BR0845	35	-	282552	804038	-	-	2	PLUGGED 04/12/89
HAYES, PETER	BR0844	1000	-	282523	804048	230	-	10	PLUGGED 4/12/89
HAYES, PETER	BR0841	135	-	282518	804039	220	-	6	PLUGGED 4/10/89
HAYES, PETER	BR0839	135	-	282508	804040	215	-	4	PLUGGED 4/10/89
HERBERT, HENRY	BR0867	1	-	282113	803628	-	-	2	PLUGGED 4/17/89
HOBBS, GARY	BR0525	15	4177	282742	804300	150	-	2	PLUGGED 06/28/88
HUBER, DONALD	BR0731	75	713	275954	804032	200	-	3	PLUGGED 09/07/88
HUBER, DONALD	BR0730	650	658	275945	804027	300	-	6	PLUGGED 9/07/88
HUBER, DONALD	BR0729	160	729	275953	804025	260	-	4	PLUGGED 9/08/88
HUBER, DONALD	BR0728	75	690	275955	804022	-	-	2	PLUGGED 9/08/88
HUMPHRY	BR0865	-	-	282715	804250	-	-	2	PLUGGED 4/20/89
HUMPHRY	BR1074	-	-	282708	804301	230	-	8	
HUMPHRY	BR0857	-	1510	282701	804240	-	-	2	PLUGGED 4/20/89
HUMPHRY	BR0858	500	-	282708	804301	230	-	8	PLUGGED 4/19/89
HUMPHRY	BR0864	-	-	282722	804302	30	-	1.25	PLUGGED 4/18/89
HUMPHRY	BR0858	40	-	282713	804257	-	-	2	PLUGGED 4/20/89
HUMPHRY	BR0860	-	-	282708	804251	-	-	3	PLUGGED 4/19/89
HUMPHRY	BR0862	-	-	282705	804250	-	-	2	PLUGGED 4/19/89
HUMPHRY	BR0859	45	-	282722	804310	-	-	6	PLUGGED 4/18/89
HUMPHRY	BR0861	25	-	282745	804303	-	-	2	PLUGGED 4/18/89
HUMPHRY	BR0863	-	-	282722	804311	15	-	2	PLUGGED 4/18/89
HUMPHRYS, BROOKS	BR0959	0	-	282708	804244	-	-	2	PLUGGED 5/15/90
HUNT, PATRICIA	BR0870	35	-	280443	803850	-	-	2	PLUGGED 4/24/89
HUSBAND, ESTHER	BR0967	20	-	282405	804027	180	-	2	PLUGGED 5/30/90
IRSLINGER, JOHN	BR0516	20	1453	282625	804245	210	-	4	PLUGGED 1987
ISINGS, HANK	BR0494	500	333	275314	803025	500	-	6	PLUGGED 4/3/87
JACK RAY FIELD	BR0732	200	1710	282544	804224	125	-	3	PLUGGED 09/09/88

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
JACKS, GLADYS	BR0512	15	410	280143	803511	405	190	2	PLUGGED 1987
JAREN, DOUGLAS	BR0972	10	-	282132	804138	120	-	2	PLUGGED 5/24/90
JEKYLL INC.	BR1043	500	-	280753	803734	-	-	6	PLUGGED 7/12/89
JEKYLL INC.	BR0733	800	627	280752	803734	470	-	6	PLUGGED 09/08/88
JURGENS, RODNEY	BR0518	10	698	280940	803513	220	-	2	PLUGGED 8/3/87
KENNEDY SPACE CEN.	BR0367	200	1820	283414	803912	225	131	4	PLUGGED 1984
KISER/MARTIN	BR0572	150	1550	282431	804245	445	-	4	PLUGGED 08/04/88
KLINE, ROBERT	BR0983	50	1570	282136	804217	180	-	2	PLUGGED 6/8/90
KLUG, PETER	BR0700	200	1470	281903	804109	240	-	6	PLUGGED 4/14/87
KROLL, TED	BR0519	20	755	280940	803514	220	-	2	PLUGGED 1987
KUHL	BR0504	23	578	280431	803802	505	300	2	RECONS. 6/2/87
KURZ, MARY	BR0205	300	1980	282351	804203	-	-	4	PLUGGED 9/27/88
LEAVOLKMER, IVA	BR1015	10	1890	282218	804224	125	-	2	PLUGGED 5/9/90
LEWIS, GEORGE	BR0721	5	996	282113	804212	250	-	2.5	PLUGGED 08/05/88
LEWIS, JAMES	BR0545	10	1100	282355	803959	120	-	2	PLUGGED 8/10/88
LYNN, JOHN	BR1048	5	1760	282225	804210	160	-	2	PLUGGED 5/8/90
L.C.JUDD & CO.	BR0509	-	-	280445	804140	184	83	6	PLUGGED 1987
MARCZAK	BR0934	50	-	282247	804140	-	-	2	PLUGGED 7/27/89
MARTINES, LEE	BR0571	5	1151	282051	803951	125	-	2	PLUGGED 7/1/88
MCDONALD	BR0985	0	-	281955	803936	-	-	3	PLUGGED 6/5/90
MCNAUGHT, JOHN	BR0868	350	-	275531	803126	215	-	6	PLUGGED 4/24/89
MCPHILAMY, SEAN	BR1024	5	-	282218	804154	-	-	2	PLUGGED 5/24/90
MEGAWORLD CAMP GR	BR0158	50	6398	283017	804849	210	-	4	PLUGGED 7/27/89
MEYERS, JAMES	BR0433	77	968	281525	803950	220	-	4	PLUGGED 5/27/87
MILLIKEN, MERRILL	BR0524	50	1652	282521	804304	140	-	4	PLUGGED 06/30/88
MTDCD	BR0365	13	735	275512	804122	-	-	2	PLUGGED 7/18/84
NASA	BR0583	115	1550	283130	804035	150	-	3	PLUGGED 09/27/88
NASA	BR0595	200	-	283343	804014	190	83	4	PLUGGED 5/84
NASA	BR0589	100	1180	282845	803936	183	81	4	PLUGGED 6/84
NASA	BR0810	240	2550	282918	804100	368	113	6	PLUGGED 9/20/85
NASA	BR0895	-	1362	282747	803947	57	-	3	PLUGGED 6/83
NASA	BR0582	10	-	283605	804003	200	-	3	PLUGGED 08/23/88
NASA	BR0581	5	-	283612	804008	200	-	4	PLUGGED 08/23/88
NASA	BR0544	550	2690	283227	804046	350	-	6	PLUGGED 08/22/88
NASA	BR0579	50	-	283130	803830	250	-	4	PLUGGED 08/22/88
NASA-KSC	BR0608	50	1420	282921	804047	321	84	8	RECON. 1986

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
NASA-KSC	BR0609	136	3650	282907	804101	371	100	8	
ONE SEAGATE 22-OSG	BR1013	0	2580	282322	804233	80	-	6	PLUGGED 5/10/90
PARRISH, JESSIE J.	BR0548	50	770	284714	805134	150	84	4	PLUGGED 08/11/88
PATRICK AFB	BR0677	328	1390	281145	803808	478	95	4	PLUGGED 7/16/86
PATRICK AFB	BR0679	215	790	281139	803613	363	94	4	PLUGGED 7/17/86
PATRICK AFB	BR0680	412	944	281136	803514	497	92	3.5	PLUGGED 7/17/86
PATRICK AFB	BR0686	215	1240	281122	803614	278	93	3.5	PLUGGED 4/30/86
PATRICK AFB	BR0678	222	828	281142	803612	383	94	4	PLUGGED 7/16/86
PATRICK AFB	BR0663	311	900	281306	803624	263	102	6	PLUGGED 8/11/85
PATRICK AFB	BR0669	348	924	281124	803605	383	92	4	PLUGGED 7/16/86
PATRICK AFB	BR0668	294	756	281127	803604	492	93	4	PLUGGED 7/14/86
PATRICK AFB	BR0665	400	860	281130	803617	283	92	4	PLUGGED 4/29/86
PATRICK AFB	BR0667	222	924	281127	803612	354	92	4	PLUGGED 7/14/86
PATRICK AFB	BR0681	385	690	281133	803611	382	94	4	PLUGGED 7/18/86
PEEK, MARY	BR0965	25	-	282103	804157	-	-	2	PLUGGED 5/31/90
PEREGOY, CHRISTA	BR0947	20	-	282058	804142	120	-	2	PLUGGED 6/12/90
PETERSON, MARGARET	BR0901	25	-	281855	804113	-	-	3	PLUGGED 7/26/89
PREVSS, DAN	BR0875	50	-	276847	803207	-	-	2	PLUGGED 5/15/89
RADENCIC, W.	BR0508	100	550	275838	803301	250	-	3	PLUGGED 5/1/87
READDY, A.L.	BR0393	22	1022	281648	804022	248	126	4	PLUGGED 7/31/89
REDER, ALBERT	BR0490	-	-	281739	804157	-	-	2	PLUGGED 3/12/87
RICHICHI, DOMENIK	BR0890	25	-	275701	803208	-	-	2	PLUGGED 7/20/89
RIVERCREST PLAZA	BR0872	10	450	280953	803839	-	-	2	PLUGGED 5/19/89
RIVERCREST PLAZA	BR0874	200	-	280954	803841	-	-	6	PLUGGED 5/19/89
RIVERCREST PLAZA	BR0935	5	-	280951	803839	-	-	2	PLUGGED 7/13/89
RIVERCREST PLAZA	BR0897	10	-	280950	803838	-	-	2	PLUGGED 7/25/89
RIVERCREST PLAZA	BR0895	1	-	280944	803836	-	-	2	PLUGGED 7/25/89
RIVERCREST PLAZA	BR0896	5	-	280945	803839	-	-	2.5	PLUGGED 7/13/89
ROME, SIM	BR0515	-	-	282336	804225	180	-	2	PLUGGED 1987
ROSEN, CLIFFORD	BR0849	5	-	281010	803904	-	-	4	PLUGGED 5/11/89
ROWENHURST, DIANE	BR0966	10	1790	282224	804211	160	-	2	PLUGGED 5/3/90
SARTORI, JIM	BR0718	120	564	275312	804147	295	-	3	PLUGGED 08/03/88
SARTORI, JIM	BR0737	25	38	275322	804049	140	-	3	PLUGGED 8/2/88
SCHAPPACHER, JERRY	BR0736	10	1170	280400	803549	-	-	2	PLUGGED 09/08/88
SCHMITT, ED	BR0848	25	-	280122	803734	-	-	2	PLUGGED 5/11/89
SCOTT	BR1051	50	688	280523	803430	260	-	2	PLUGGED 5/3/90

WELL OWNER	WELL ID	FLOW GPM	CL FPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SELMON, JACK	BR0852	5	-	282748	804247	-	-	2	PLUGGED 4/13/89
SHARPIRO, NOEL	BR0956	225	-	282904	805007	300	-	4	PLUGGED 6/4/80
SIMPSON, JACK	BR0802	50	1541	282218	804843	371	112	4	PLUGGED 5/30/85
SINGLETON, JEAN	BR0538	5	700	280745	803525	290	-	2	PLUGGED 6/8/88
SJRWMD	BR0997	-	402	274949	804521	290	-	3	PLUGGED 4/28/87
SJRWMD	BR1256	150	-	275041	804350	-	-	3	PLUGGED 1/31/90
SJRWMD	BR0930	100	704	274949	804300	-	-	3	PLUGGED 1/23/90
SJRWMD	BR0807	300	247	274948	804853	-	-	6	PLUGGED 4/2/91
SJRWMD	BR0834	548	299	275311	804744	480	102	6	PLUGGED 11/8/90
SJRWMD	BR0833	796	294	275304	804742	-	-	6	PLUGGED 11/13/90
SJRWMD	BR0829	350	310	275248	804811	-	-	6	PLUGGED 11/14/90
SJRWMD	BR0826	621	235	275327	804848	-	-	6	PLUGGED 11/13/90
SJRWMD	BR0823	182	265	275314	804845	-	-	4	PLUGGED 11/7/90
SJRWMD	BR0837	120	484	275431	804448	-	-	3	PLUGGED 10/17/89
SJRWMD	BR0821	182	273	275219	804840	-	-	4	PLUGGED 11/7/90
SJRWMD	BR0791	300	480	275424	804544	-	-	4	PLUGGED 10/17/89
SJRWMD	BR0727	25	1510	283844	805748	-	-	2	PLUGGED 9/28/88
SJRWMD	BR0726	100	376	275336	804543	-	-	3	PLUGGED 9/28/88
SJRWMD	BR0487	85	331	275040	804529	295	114	3	PLUGGED 5/87
SJRWMD	BR0486	-	623	275040	804502	300	-	3	PLUGGED 4/27/87
SJRWMD	BR0836	621	307	275325	804745	-	-	6	PLUGGED 11/6/90
SJRWMD	BR0931	100	684	274950	804409	168	102	3	PLUGGED 2/2/90
SJRWMD	BR0918	100	725	275042	804329	350	102	3	PLUGGED 1/30/90
SJRWMD	BR0923	100	714	275051	804330	280	104	3	PLUGGED 1/25/90
SJRWMD	BR0922	100	769	275052	804325	-	-	3	PLUGGED 2/5/90
SJRWMD	BR0925	100	170	275140	804330	282	100	3	PLUGGED 1/30/90
SJRWMD	BR0920	100	719	275133	804407	344	102	4	PLUGGED 2/2/90
SJRWMD	BR0924	100	714	275122	804330	339	102	4	PLUGGED 1/30/90
SJRWMD	BR0921	100	649	275133	804317	282	100	4	PLUGGED 2/1/90
SJRWMD	BR0917	100	722	275041	804306	330	102	4	PLUGGED 1/31/90
SJRWMD	BR0928	100	721	275013	804330	315	104	3	PLUGGED 1/24/90
SJRWMD	BR0929	100	695	274934	804330	328	102	3	PLUGGED 1/24/90
SJRWMD	BR0927	100	704	275027	804330	178	122	3	PLUGGED 1/24/90
SMITH, GERALD	BR1060	0	-	282343	804308	120	-	2	PLUGGED 6/14/90
SOUTH DADE FARMS	BR0565	845	760	275235	803855	680	-	6	PLUGGED 5/31/88
SOWDEN, ROBERT	BR1044	100	672	281631	804125	280	-	4	PLUGGED 5/17/90

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SPEARS	BR0701	2	-	275229	802958	200	-	2	PLUGGED 4/18/88
SPEEGLE, J.T.	BR0523	50	-	281913	804242	-	-	2	PLUGGED 7/28/89
STATE OF FLORIDA	BR0422	50	-	275131	802704	-	-	3	PLUGGED 8/1/88
STEEL, DAVE	BR0899	280	-	282350	804310	308	95	6	PLUGGED 7/9/88
SULLIVAN GROVES	BR0011	235	1648	282742	803955	230	-	4	PLUGGED 8/28/88
SUNSHINE NURSERY	BR0707	130	496	275834	803107	300	-	2	PLUGGED 4/18/88
TARANTO, ANGELO	BR0989	30	-	280407	803322	450	-	4	PLUGGED 3/14/90
TARANTO, ANGELO	BR1014	50	-	280407	803320	400	-	4	PLUGGED 3/14/90
TEAVER, BETSY	BR1040	20	703	282051	804151	100	-	2	PLUGGED 8/14/90
THOMPSON,DEE	BR0500	-	-	282130	804504	240	200	4	PLUGGED 3/13/87
TUCKER, G.A.	BR0899	200	-	281807	804455	-	-	4	PLUGGED 7/17/89
TURCK, CLAYTON	BR0951	5	-	282000	803645	-	-	2	PLUGGED 4/10/90
UNDERRILL REALTY	BR0869	75	-	280564	804201	-	-	2	PLUGGED 4/24/89
UNDETERMINED	BR0182	100	691	275843	803502	-	-	6	PLUGGED 5/15/89
UNDETERMINED	BR0568	150	741	275248	804022	200	-	3	PLUGGED 8/3/88
USGS	BR1050	300	3124	283835	804245	-	-	6	PLUGGED 5/8/90
WALDEN, F.E	BR0498	55	911	281842	804224	150	-	4	PLUGGED 3/13/87
WALDEN, JOHN	BR0871	200	-	280000	804202	-	-	4	PLUGGED 4/25/89
WEIGERIF, E. L.	BR0709	50	1430	281816	804001	218	98	6	PLUGGED 7/10/88
WELLS, WILLIE MAE	BR1032	5	261	282124	804726	-	-	2	PLUGGED 5/29/90
WHITE, ROBERT	BR0738	5	1740	282225	804208	-	-	2	PLUGGED 9/9/88
WILSON, BILLY	BR1046	50	3233	282806	804304	220	-	4	PLUGGED 5/21/90
WINDLE, LEON	BR0734	35	1660	282224	804208	125	-	2	PLUGGED 9/9/88
WOELK, FRED	BR0851	-	-	282822	804307	-	-	6	PLUGGED 4/20/89
WOODING	BR0971	20	900	282048	804155	80	-	1.5	PLUGGED 6/14/90
WRIGHT, DALE	BR0724	100	1580	282405	804236	105	-	4	PLUGGED 8/5/88
<b>TOTAL</b>	<b>311</b>	<b>47499</b>							
<b>CLAY COUNTY</b>									
CHEROKEE BR/TILE	C-0013	150	5	300620	814628	-	-	6	PLUGGED 9/20/88
CHEROKEE BR/TILE	C-0379	2	7	300457	815022	-	-	1	PLUGGED 4/15/91
DUPOND	C-0005	75	5	300302	814227	-	-	3	PLUGGED 3/29/89
HARGIS, JIM	C-0090	-	-	300455	814911	-	-	4	REPAIRED 9/28/88
KAISER DEV. CORP	C-0019	100	38	295104	813701	-	-	4	PLUGGED 4/18/91
SKINNER, BRYANT	C-0129	5	4	300409	815152	-	-	6	REPAIRED 9/21/88
<b>TOTAL</b>	<b>6</b>	<b>332</b>							

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
<b>DUVAL COUNTY</b>									
BIENEFELD INVEST	D-4584	569	11	301933	814438	594	-	8	PLUGGED 8/91
CITY OF JAX	D-1219	30	-	301918	813820	320	-	2	PLUGGED 8/29/90
CRIBS KING INC.	D-0693	5	28	302437	814209	-	-	4	PLUGGED 7/25/90
CRULL, GARY	D-0252	-	47	301822	813311	750	-	8	PLUGGED 8/22/91
DNR	D-0430	-	31	302318	813019	426	344	3	PLUGGED 5/20/87
JACOBSON, WILLIAM	D-0885	50	15	302442	814118	480	-	8	PLUGGED 8/28/90
JEA	D-4589	-	-	302518	813013	-	-	2	PLUGGED 8/20/91
JEA	D-1359	200	21	302631	813125	733	500	4	PLUGGED 8/19/91
KENNEDY, FOSTER	D-4582	100	32	303100	812721	-	-	3	PLUGGED 6/27/90
NEPTUNE BEACH	D-0180	1500	14	301852	812342	550	338	8	REPAIRED 4/2/90
PAM DEVELOPMENT	D-1199	-	-	301734	812618	550	480	3	PLUGGED 7/25/90
ROMEO	D-0435	85	8	301733	814317	195	32	8	PLUGGED 7/23/90
RUMBLE, JOHN	D-1164	-	15	301846	813514	-	-	3	PLUGGED 7/18/90
TROEGER, GEORGE	D-1200	10	-	302448	813124	625	-	2	PLUGGED 6/20/90
TYE, WADE	D-1161	0	-	301917	813505	65	-	4	PLUGGED 7/11/90
UNION BAPTIST CH	D-1198	-	-	302008	814109	358	-	8	PLUGGED 6/21/90
<b>TOTAL</b>	<b>16</b>	<b>2549</b>							
<b>FLAGLER COUNTY</b>									
FISHETTE, ARMOND	F-0222	60	-	293504	811150	-	-	6	PLUGGED 1985
FISHETTE, ARMOND	F-0221	20	-	293501	811149	-	-	6	PLUGGED 1985
HAMMOCK BAPTIST	F-0220	30	-	293547	811147	-	-	4	PLUGGED 1/24/85
HODGES	F-0238	10	-	292517	812543	-	-	2	PLUGGED 1/23/85
HODGES	F-0237	10	-	292517	812542	-	-	2	PLUGGED 1/23/85
IHLENFELDT	F-0253	40	-	293628	811203	158	147	4	PLUGGED 2/4/85
ITT PALM COAST	F-0223	10	1600	293600	811135	-	-	6	PLUGGED 1985
PUBLIC DOMAIN	F-0029	250	7560	293401	811111	-	-	6	PLUGGED 1984
SHAEFFER	F-0224	5	-	292911	810803	-	-	2	PLUGGED 2/7/85
SHOW, GEARLDINE	F-0254	-	-	293709	811219	-	-	4	PLUGGED 1/31/85
UNDETERMINED	F-0213	25	-	292519	812553	-	-	0	PLUGGED 1/22/85
UNDETERMINED	F-0134	-	1380	293338	811005	152	134	4	PLUGGED 1/30/85
UNDETERMINED	F-0031	1	1020	292623	812538	-	-	6	PLUGGED 1/23/85
WASHINGTON OAKS	F-0030	70	1640	293758	811232	380	-	4	RECONSTRUCTED
WESTBROOK, J.H	F-0255	10	-	293352	811101	138	87	2	PLUGGED 1/30/85
<b>TOTAL</b>	<b>15</b>	<b>541</b>							

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
INDIAN RIVER COUNTY									
BORLAND, W.C.	IR0578	25	231	274415	802543	418	-	2	PLUGGED 3/25/91
BRADLEY, JOHN	IR0503	200	-	273758	802247	-	-	4	PLUGGED 6/8/89
DODGER TOWN	IR0592	1500	-	273914	802826	908	240	8	PLUGGED 8/14/91
DUNNE, GARY	IR0580	-	244	273638	802539	-	-	4	PLUGGED 3/22/91
EGAN	IR0557	500	552	274322	802735	-	-	4	PLUGGED 6/26/90
EGAN	IR0556	500	-	274149	802941	-	-	4	PLUGGED 6/25/90
EGAN	IR0555	500	661	274127	802913	-	-	4	PLUGGED 6/26/90
EVANS, ANNA	IR0534	200	-	273811	802447	-	-	4	REPAIRED
G & M GROVES	IR0581	-	-	274639	803636	-	-	4	PLUGGED 3/24/91
HILL	IR0586	100	246	273833	802612	540	-	3	PLUGGED 3/21/91
HILL	IR0582	50	6	273842	802608	-	-	3	PLUGGED 3/21/91
HOBART LANDING	IR0576	300	392	274408	802539	538	225	2.5	PLUGGED 3/26/91
HOBART LANDING	IR0577	25	215	274412	802542	-	-	2.5	PLUGGED 3/25/91
IR COUNTY UTIL.	IR0532	0	-	273607	802444	110	-	6	PLUGGED 2/8/90
IR COUNTY UTIL.	IR0531	0	-	273706	802339	90	-	12	PLUGGED 2/20/90
IR COUNTY UTIL.	IR0530	0	-	273705	802330	130	-	6	PLUGGED 2/15/90
IR COUNTY UTIL.	IR0528	0	-	274140	802554	140	-	4	PLUGGED 2/19/90
IR COUNTY UTIL.	IR0529	0	-	274602	802653	-	-	1.25	PLUGGED 2/20/90
IR COUNTY UTIL.	IR0507	100	392	273646	803036	-	-	6	PLUGGED 5/10/89
IR COUNTY UTIL.	IR0506	75	371	273649	803019	-	-	4	PLUGGED 5/10/89
IR COUNTY UTIL.	IR0533	0	-	273608	802444	120	-	6	PLUGGED 2/8/90
IR COUNTY UTIL.	IR0545	0	-	273629	802300	100	-	8	PLUGGED 6/4/90
IR COUNTY UTIL.	IR0535	0	-	274031	802536	50	-	2	PLUGGED 2/15/90
IR COUNTY UTIL.	IR0547	0	-	273634	802333	100	-	8	PLUGGED 6/4/90
IR COUNTY UTIL.	IR0544	0	-	273627	802259	100	-	8	PLUGGED 6/4/90
IR COUNTY UTIL.	IR0549	0	-	273638	802336	100	-	8	PLUGGED 6/5/90
IR COUNTY UTIL.	IR0548	0	-	273636	802334	100	-	8	PLUGGED 6/5/90
IR COUNTY UTIL.	IR0536	0	-	274023	802513	90	-	2	PLUGGED 2/26/90
IR COUNTY UTIL.	IR0546	0	-	273631	802331	100	-	8	PLUGGED 6/4/90
IR COUNTY UTIL.	IR0537	200	284	274023	802513	700	-	8	PLUGGED 2/26/90
IR COUNTY UTIL.	IR0539	0	-	274023	802513	90	-	2	PLUGGED 2/26/90
IR COUNTY UTIL.	IR0538	0	-	274023	802513	112	-	8	PLUGGED 2/26/90
IR COUNTY UTIL.	IR0505	160	-	273659	803010	-	-	6	PLUGGED 2/8/90
IR COUNTY UTIL.	IR0514	160	343	273808	802655	520	-	6	PLUGGED 2/13/90
KINCAID	IR0569	300	384	273434	802434	-	-	3	PLUGGED 8/22/90

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
LOST TREE VILLAGE	IR0304	20	250	274337	802342	544	310	4	PLUGGED 3/27/91
LOST TREE VILLAGE	IR0498	30	288	274353	802336	705	280	3	PLUGGED 3/27/91
LOUIS, WODTKE	IR0494	100	390	275028	802929	-	-	2	PLUGGED 5/8/89
MARTIN, GR. - TRUS.	IR0224	300	201	274003	802317	-	-	6	PLUGGED 8/23/90
MULLER ENTERPRISES	IR0579	110	233	274735	802729	-	-	4	REPAIRED 10/17/90
SEMINOLE SHORES	IR0010	100	1030	273430	801953	943	348	6	PLUGGED 4/1/91
SJRWMD	IR0348	75	-	274615	804404	-	-	3	PLUGGED 4/22/87
SJRWMD	IR0380	150	697	273714	804530	-	-	6	PLUGGED 9/27/89
SJRWMD	IR0318	200	630	273738	804514	-	-	6	PLUGGED 9/19/89
SJRWMD	IR0349	-	-	274617	804301	300	-	3	PLUGGED 4/22/87
SJRWMD	IR0397	150	408	274026	803847	400	-	2.5	PLUGGED 4/30/87
SJRWMD	IR0347	-	-	274552	804301	-	-	3	PLUGGED 8/23/87
SJRWMD	IR0399	0	-	274047	803902	50	-	2	PLUGGED 4/29/87
SJRWMD	IR0317	500	793	273626	804632	920	196	6	PLUGGED 9/25/90
SJRWMD	IR0315	300	369	273645	804525	734	200	6	PLUGGED 6/5/90
SJRWMD	IR0314	100	595	273649	804527	706	202	6	PLUGGED 9/28/89
SJRWMD	IR0310	-	-	274710	804234	300	-	3	PLUGGED 4/24/87
SJRWMD	IR0309	-	-	274745	804404	275	-	3	PLUGGED 4/21/87
SJRWMD	IR0308	-	554	274724	804404	275	-	3	PLUGGED 4/21/87
SJRWMD	IR0307	-	484	274658	804401	300	-	3	PLUGGED 4/20/87
SJRWMD	IR0306	-	805	274722	804301	300	-	3	PLUGGED 4/20/87
SJRWMD	IR0398	-	-	274040	803847	400	-	4	PLUGGED 5/5/87
SJRWMD	IR0357	200	432	273630	804803	-	-	6	PLUGGED 9/21/89
SJRWMD	IR0518	300	337	273417	804541	-	-	6	PLUGGED 9/6/89
SJRWMD	IR0462	100	674	273357	804217	-	-	6	PLUGGED 9/11/89
SJRWMD	IR0524	75	644	273723	804553	-	-	6	PLUGGED 9/18/89
SJRWMD	IR0522	100	556	273655	804552	-	-	8	PLUGGED 9/20/89
SJRWMD	IR0464	400	118	273343	804345	780	206	6	PLUGGED 9/5/89
SJRWMD	IR0453	500	672	273343	804507	1038	-	6	PLUGGED 10/16/89
SJRWMD	IR0512	100	-	274643	804229	-	-	3	PLUGGED 5/9/89
SJRWMD	IR0461	400	603	273401	804232	-	-	6	PLUGGED 9/11/89
SJRWMD	IR0510	150	320	274529	804230	400	-	4	PLUGGED 5/9/89
SJRWMD	IR0463	50	62	273356	804314	630	210	6	PLUGGED 9/11/89
SJRWMD	IR0135	-	595	274658	804301	317	114	3	PLUGGED 4/20/87
SJRWMD	IR0456	350	418	273424	804415	-	-	5	PLUGGED 8/29/89
SJRWMD	IR0458	300	474	273425	804345	500	172	4	PLUGGED 8/30/89

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SJRWMD	IR0454	50	529	273401	804535	-	-	6	PLUGGED 9/7/89
SJRWMD	IR0455	500	502	273408	804421	795	198	6	PLUGGED 8/28/89
SJRWMD	IR0400	0	-	274053	803839	50	-	2	PLUGGED 4/29/87
SJRWMD	IR0457	300	428	273449	804411	780	236	4	PLUGGED 8/30/89
SJRWMD	IR0459	300	83	273424	804344	-	-	6	PLUGGED 8/31/89
SJRWMD	IR0460	300	-	273451	804241	-	-	6	PLUGGED 9/13/89
SOLID WASTE DIST.	IR0589	0	-	273442	802853	87	-	2	PLUGGED 3/29/91
SOLID WASTE DIST.	IR0588	300	844	273428	802932	740	-	6	PLUGGED 4/1/91
STOUGH, MARIONNE	IR0492	115	453	274513	802931	208	104	4	PLUGGED 3/6/89
SUN AG INC	IR0496	100	-	274917	804040	-	-	3	PLUGGED 5/9/89
SUN AG INC	IR0495	500	-	274917	803828	-	-	6	PLUGGED 5/9/89
TAKAHO	IR0553	500	557	274113	802919	566	188	6	PLUGGED 6/21/90
TAKAHO	IR0551	200	785	274127	803013	-	-	4	PLUGGED 6/14/90
TAKAHO	IR0552	500	323	274125	803042	-	-	4	PLUGGED 8/18/90
TAKAHO	IR0558	500	286	274122	802942	-	-	6	PLUGGED 8/21/90
TAKAHO	IR0564	500	395	274035	802847	-	-	5	PLUGGED 8/21/90
TAKAHO	IR0554	800	453	274109	802857	-	-	6	PLUGGED 8/27/90
TAKAHO	IR0559	500	277	274116	802941	-	-	4	PLUGGED 8/15/90
WILD TURKEY	IR0561	300	339	274112	803003	-	-	4	PLUGGED 8/15/90
WILD TURKEY	IR0567	300	337	274112	803021	-	-	4	PLUGGED 8/15/90
<b>TOTAL</b>	<b>91</b>	<b>16820</b>							
<b>LAKE COUNTY</b>									
BLACKWATER INN	L-0084	50	252	291000	813128	-	-	2	PLUGGED 10/9/89
CLAY ISLAND FARMS	L-0163	0	-	283946	814123	236	-	6	PLUGGED 4/30/90
SJRWMD	L-0289	0	-	283940	814202	30	-	2	PLUGGED 4/23/90
SJRWMD	L-0298	0	-	284125	814234	20	-	1	PLUGGED 4/12/90
SJRWMD	L-0291	50	-	284005	814139	100	-	2	PLUGGED 4/24/90
SJRWMD	L-0292	0	-	283948	814138	144	90	6	PLUGGED 4/25/90
SJRWMD	L-0295	0	-	284024	814232	47	0	2	PLUGGED 4/12/90
SJRWMD	L-0297	0	-	284117	814230	230	-	4	PLUGGED 4/18/90
USDA FOREST SER.	L-0080	10	210	290031	812328	126	-	6	PLUGGED 5/29/91
USDA FOREST SER.	L-0439	0	-	290752	813711	-	-	2	PLUGGED 5/30/91
USDA FOREST SER.	L-0440	0	-	290148	812607	142	-	1.4	PLUGGED 5/29/91
USDA FOREST SER.	L-0444	0	-	285829	813738	175	-	4	PLUGGED 5/30/91
USDA FOREST SER.	L-0447	0	-	290030	813538	-	-	2	PLUGGED 6/11/91
USDA FOREST SER.	L-0448	0	-	290030	813536	-	-	1.4	PLUGGED 6/11/91

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
USDA FOREST SER.	L-0449	0	-	290030	813638	-	-	2	PLUGGED 6/11/91
USDA FOREST SER.	L-0450	0	-	290040	813554	-	-	1.25	PLUGGED 6/11/91
<b>TOTAL</b>	<b>16</b>	<b>110</b>							
<b>MARION COUNTY</b>									
HASTINGS & GREEN	M-0043	-	-	292349	820528	-	-	6	
SJRWMD	M-0233	0	15	290038	814919	340	-	8	PLUGGED 5/17/90
SJRWMD	M-0237	0	-	290213	815048	341	-	8	PLUGGED 5/8/90
SUNNY HILL FARMS	M-0236	0	-	290342	815121	281	74	8	PLUGGED 5/8/90
SUNNY HILL FARMS	M-0238	0	-	290116	815011	494	160	8	PLUGGED 5/3/90
USDA FOREST SER.	M-0262	0	-	292056	814352	76	-	2	PLUGGED 4/8/91
USDA FOREST SER.	M-0263	0	-	291433	825653	32	-	2	PLUGGED 4/8/91
USDA FOREST SER.	M-0264	0	-	293015	815320	90	-	6	PLUGGED 4/11/91
USDA FOREST SER.	M-0259	0	-	292050	814405	75	-	2	PLUGGED 4/8/91
USDA FOREST SER.	M-0265	0	-	291656	815227	160	-	6	PLUGGED 6/10/91
USDA FOREST SER.	M-0267	20	176	292056	814339	43	-	2	PLUGGED 4/8/91
USDA FOREST SER.	M-0278	0	-	290022	814033	-	-	38	PLUGGED 6/4/91
USDA FOREST SER.	M-0279	0	-	285957	814642	408	-	6	PLUGGED 6/3/91
USDA FOREST SER.	M-0280	0	-	285923	814514	-	-	1.5	PLUGGED 6/3/91
USDA FOREST SER.	M-0261	0	-	292053	814349	45	-	2	PLUGGED 4/8/91
USDA FOREST SER.	M-0256	0	-	292052	814358	20	-	1.5	PLUGGED 4/8/91
USDA FOREST SER.	M-0223	0	-	292130	814406	187	-	2	PLUGGED 4/9/90
USDA FOREST SER.	M-0224	0	-	291758	813943	-	-	4	PLUGGED 4/10/90
USDA FOREST SER.	M-0220	50	257	292053	813934	143	124	4	PLUGGED 4/4/90
USDA FOREST SER.	M-0221	0	-	292116	814406	91	90	4	PLUGGED 4/9/90
USDA FOREST SER.	M-0222	0	99	292131	814406	126	62	4	PLUGGED 4/5/90
USDA FOREST SER.	M-0258	0	-	292051	814358	32	-	1.5	PLUGGED 4/8/91
USDA FOREST SER.	M-0257	0	-	292055	814400	62	-	2	PLUGGED 4/8/91
USDA FOREST SER.	M-0244	0	-	291307	813934	52	-	4	PLUGGED 5/22/90
USDA FOREST SER.	M-0245	0	-	291309	813936	178	40	4	PLUGGED 5/24/90
USDA FOREST SER.	M-0218	0	-	291951	814428	-	-	2	PLUGGED 4/10/90
USDA FOREST SER.	M-0281	0	-	291031	815217	130	-	4	PLUGGED 6/5/91
<b>TOTAL</b>	<b>27</b>	<b>70</b>							
<b>NASSAU COUNTY</b>									
SJRWMD	N-0190	-	-	303824	812730	1020	566	12	RECONSTRUCTED
<b>TOTAL</b>	<b>1</b>	<b>0</b>							

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
<b>ORANGE COUNTY</b>									
SJRWMD	OR0466	75	-	283407	805943	-	-	3	PLUGGED 9/27/88
<b>TOTAL</b>	<b>1</b>	<b>75</b>							
<b>OSCEOLA COUNTY</b>									
SJRWMD	OS0011	1	-	280624	805542	90	-	2	PLUGGED 10/11/89
SJRWMD	OS0013	0	-	280502	805712	-	-	1	PLUGGED 10/11/89
SJRWMD	OS0034	0	-	280502	805713	-	-	2	PLUGGED 10/11/89
<b>TOTAL</b>	<b>3</b>	<b>1</b>							
<b>PUTNAM COUNTY</b>									
1ST PRESBYTERIAN	P-0121	10	188	293842	813751	186	-	3	PLUGGED 8/27/91
1ST PRESBYTERIAN	P-0122	10	191	293842	813751	203	-	3	PLUGGED 8/27/91
CORPS OF ENGINEERS	P-0119	20	198	293317	814308	-	-	3	PLUGGED 4/9/91
CORPS OF ENGINEERS	P-0120	25	197	293320	814258	-	-	3	PLUGGED 4/9/91
CORPS OF ENGINEERS	P-0306	5	4	293300	815239	189	105	8	REPAIRED 1980
JONES, EVELYN	P-0722	150	-	294250	813529	-	-	4	PLUGGED 8/27/91
PUTNAM COUNTY	P-0697	20	153	293837	813522	-	-	4	PLUGGED 8/26/91
USDA FOREST SER.	P-0117	0	-	292943	815033	157	142	4	PLUGGED 5/30/90
USDA FOREST SER.	P-0118	0	-	292943	815033	146	90	6	PLUGGED 5/29/90
<b>TOTAL</b>	<b>9</b>	<b>240</b>							
<b>ST. JOHNS COUNTY</b>									
A.R.E.C.	SJ0882	-	-	294318	812942	-	-	4	PLUGGED 9/19/88
BULLS-HIT RANCH	SJ0562	1	-	294107	813048	120	-	3	PLUGGED 6/10/86
BULLS-HIT RANCH	SJ0561	250	641	294155	813315	240	-	8	BACK PLUGGED
CITY OF ST AUG.	SJ0213	200	80	295307	811716	300	225	10	PLUGGED 3/28/89
DNR	SJ0180	50	59	295458	811818	186	-	2	PLUGGED 4/25/91
DOT	SJ0237	100	504	294050	812815	160	-	4	PLUGGED 4/23/91
DRYSDALE	SJ0512	500	1600	294923	811623	-	-	6	PLUGGED 4/4/89
FEC RAILWAY CORP	SJ0235	25	146	295333	811933	-	-	2	PLUGGED 4/29/91
GRIFFIN, JOHN	SJ0225	620	-	294811	811628	-	-	6	PLUGGED 7/17/90
JOHNS, DANNY	SJ0600	-	-	294024	812957	408	110	4	RECONSTRUCTED
MCCOOK, MARY	SJ0024	120	147	295327	811929	250	-	4	PLUGGED 3/25/86
MILLER, TOMMY	SJ0597	-	1871	294053	812842	395	104	6	RECONSTRUCTED
SINGLETON, JAMES	SJ0564	-	418	293928	812958	256	76	3	PLUGGED 6/4/86
STONE, JOHN	SJ0038	-	-	294212	813020	510	122	6	ASCS
WETUMPKA FRUIT	SJ0522	310	2068	294137	812936	510	60	6	PLUGGED 5/28/86
WETUMPKA FRUIT	SJ0525	130	1960	294129	812936	503	60	6	PLUGGED 5/30/86

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
WETUMPKA FRUIT	SJ0523	100	1740	294134	812936	524	51	6	PLUGGED 5/22/86
WETUMPKA FRUIT	SJ0526	130	1250	294126	812936	484	81	6	PLUGGED 6/9/86
WETUMPKA FRUIT	SJ0528	-	-	294050	812944	-	-	6	PLUGGED
WETUMPKA FRUIT	SJ0527	130	-	294131	812943	-	-	6	PLUGGED 6/9/86
WETUMPKA FRUIT	SJ0524	136	5860	294136	812936	516	55	6	PLUGGED 5/21/86
<b>TOTAL</b>	<b>21</b>	<b>2801</b>							
<b>SEMNOLE COUNTY</b>									
BASS	S-0603	0	-	284928	811916	-	-	4	REPAIRED 8/9/89
BASS	S-0604	0	-	284924	811917	-	-	2	REPAIRED 8/9/89
BASS	S-0276	0	16	284916	811908	-	-	2	REPAIRED 8/10/89
BASS	S-0588	0	13	284908	811915	-	-	3	REPAIRED 8/10/89
BASS	S-0586	0	19	284914	811912	-	-	3.5	REPAIRED 8/10/89
BASS	S-0585	0	28	284922	811909	-	-	2.5	REPAIRED 8/9/89
BASS	S-0580	0	17	284908	811912	-	-	3	REPAIRED 8/10/89
BASS	S-0591	0	14	284907	811912	-	-	2.5	REPAIRED 8/10/89
BASS	S-0589	0	16	284908	811912	-	-	2	REPAIRED 8/10/89
BASS	S-0587	0	27	284916	811913	-	-	3	REPAIRED 8/10/89
BASS	S-0602	0	-	284928	811916	-	-	2	REPAIRED 8/8/89
BASS	S-0609	0	-	284904	811908	-	-	2	REPAIRED 8/9/89
BASS	S-0276	0	24	284915	811908	-	-	3	REPAIRED 8/10/89
BASS	S-0610	0	-	284902	811908	-	-	2	REPAIRED 8/9/89
BASS	S-0605	0	-	284918	811908	-	-	3	REPAIRED 8/10/89
BASS	S-0608	0	-	284914	811908	-	-	4	REPAIRED 8/10/89
BASS	S-0608	0	-	284906	811908	-	-	2	REPAIRED 8/9/89
BASS	S-0607	0	-	284911	811908	-	-	4	REPAIRED 8/10/89
BROWN, GEORGE	S-0669	35	516	284812	811333	-	-	2	PLUGGED 3/15/89
BROWN, GEORGE	S-0728	75	-	284804	811332	-	-	3	REPAIRED 3/15/89
EUROFUND	S-0530	100	857	284851	811725	-	-	3	PLUGGED 8/16/89
EUROFUND	S-0526	50	1000	284901	811725	-	-	3	PLUGGED 10/10/89
EUROFUND	S-0271	75	833	284852	811725	-	-	2	PLUGGED 8/16/89
EUROFUND	S-0270	75	-	284850	811728	-	-	4	PLUGGED 10/10/89
EUROFUND	S-0529	50	908	284853	811725	-	-	4	PLUGGED 8/16/89
FLORIDA GAME FISH	S-0051	10	1555	284306	811017	122	119	4	PLUGGED 9/23/87
FLORIDA GAME FISH	S-0050	55	1850	284306	811019	102	62	4	PLUGGED 9/22/87
FLORIDA GAME FISH	S-0084	-	-	284302	811016	68	68	3	PLUGGED 9/23/87
FLORIDA GAME FISH	S-0052	-	1650	284306	811015	102	-	4	PLUGGED 9/23/87

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
FLORIDA GAME FISH	S-0055	10	1740	284310	811015	130	77	4	PLUGGED 9/22/87
FLORIDA GAME FISH	S-0054	-	1625	284310	811017	123	108	4	PLUGGED 9/23/87
FLORIDA GAME FISH	S-0053	-	1700	284310	811019	115	-	3	PLUGGED 9/22/87
FLORIDA GAME FISH	S-0105	-	-	284310	811020	120	-	3	PLUGGED 9/23/87
KIRCHHOFF, BILL	S-0561	-	418	284904	811804	-	-	3	REPAIRED 1989
KIRCHHOFF, BILL	S-0563	-	306	284907	811801	-	-	3	REPAIRED 1989
KIRCHHOFF, BILL	S-0564	0	317	284909	811800	-	-	2	REPAIRED 8/17/89
KIRCHHOFF, BILL	S-0557	0	-	284837	811556	-	-	2	REPAIRED 8/17/89
KIRCHHOFF, BILL	S-0555	0	-	284903	811812	-	-	1.5	REPAIRED 8/17/89
LEFFLER, VINCENT	S-0729	75	-	284226	811654	-	-	2	REPAIRED 8/15/89
LEFFLER, VINCENT	S-0629	0	-	284215	811705	-	-	2	REPAIRED 8/14/89
LEFFLER, VINCENT	S-0615	0	-	284226	811714	-	-	3	REPAIRED 8/15/89
LEFFLER, VINCENT	S-0628	0	-	284225	811714	-	-	3	REPAIRED 8/14/89
LEFFLER, VINCENT	S-0620	0	-	284228	811648	-	-	2	REPAIRED 8/15/89
LEFFLER, VINCENT	S-0616	0	-	284232	811725	-	-	2	REPAIRED 8/14/89
LEFFLER, VINCENT	S-0622	0	-	284227	811645	-	-	2	REPAIRED 8/15/89
LEFFLER, VINCENT	S-0621	0	-	284228	811644	-	-	2	REPAIRED 8/15/89
LEFFLER, VINCENT	S-0623	0	-	284226	811651	-	-	2	REPAIRED 8/14/89
LEFFLER, VINCENT	S-0618	0	-	284232	811647	-	-	2	REPAIRED 8/14/89
LEFFLER, VINCENT	S-0627	0	-	284225	811713	-	-	2	REPAIRED 8/14/89
LEFFLER, VINCENT	S-0625	50	9	284226	811655	-	-	2	PLUGGED 8/15/89
LEFFLER, VINCENT	S-0626	0	-	284225	811704	-	-	2	REPAIRED 8/14/89
LEFFLER, VINCENT	S-0785	50	10	284226	811653	-	-	2	PLUGGED 8/15/89
LEFFLER, VINCENT	S-0624	0	-	284226	811652	-	-	2	REPAIRED 8/14/89
MERIWETHER	S-0568	0	549	284758	811330	-	-	2	REPAIRED 8/8/89
MERIWETHER	S-0575	0	-	284755	811326	-	-	3	REPAIRED 8/8/89
MERIWETHER	S-0571	0	-	284753	811330	-	-	2	REPAIRED 8/7/89
MERIWETHER	S-0277	0	802	284756	811326	-	-	2	REPAIRED 8/7/89
MERIWETHER	S-0278	0	762	284749	811330	-	-	2	REPAIRED 8/8/89
MERIWETHER	S-0567	0	-	284801	811330	-	-	1.5	REPAIRED 8/8/89
MERIWETHER	S-0570	0	-	284759	811330	-	-	3	REPAIRED 8/8/89
MERIWETHER	S-0569	0	-	284800	811330	-	-	2	REPAIRED 8/8/89
MERIWETHER	S-0573	0	521	284752	811326	-	-	2	REPAIRED 8/8/89
MERIWETHER	S-0577	0	969	284758	811336	-	-	2	REPAIRED 8/9/89
MERIWETHER	S-0572	0	-	284746	811330	-	-	2	REPAIRED 8/8/89
MERIWETHER	S-0576	0	532	284758	811326	-	-	3	REPAIRED 8/8/89

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
MIRANDA HOMES	S-0601	45	-	284915	811918	-	-	2	PLUGGED 3/20/89
MIRARDA HOMES	S-0730	40	-	284916	811918	-	-	2	REPAIRED 3/20/89
NEW TRIBES MISSION	S-0726	0	377	284759	811454	-	-	2	PLUGGED 3/13/89
NEW TRIBES MISSION	S-0511	50	383	284801	811452	-	-	2.5	PLUGGED 3/09/89
NEW TRIBES MISSION	S-0510	0	374	284757	811452	-	-	2	PLUGGED 3/13/89
NEW TRIBES MISSION	S-0509	0	377	284756	811453	-	-	1	PLUGGED 3/13/89
NEW TRIBES MISSION	S-0508	0	-	284751	811456	-	-	4	PLUGGED 3/13/89
NEW TRIBES MISSION	S-0792	0	-	284753	811458	350	-	3	PLUGGED 5/8/91
NEW TRIBES MISSION	S-0517	10	432	284753	811448	-	-	3	PLUGGED 3/13/89
NEW TRIBES MISSION	S-0727	0	-	284752	811448	-	-	2	PLUGGED 3/13/89
NEW TRIBES MISSION	S-0512	0	-	284800	811452	-	-	3	PLUGGED 3/09/89
SAN FLA INV LTD	S-0542	50	396	284855	811814	-	-	3	PLUGGED 3/07/89
SCHUMACHER, HENRY	S-0806	50	904	284421	811517	-	-	2	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0800	75	1100	284421	811507	150	-	2	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0807	50	976	284424	811518	130	-	2	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0796	150	1090	284420	811456	130	-	3	PLUGGED 5/7/91
SCHUMACHER, HENRY	S-0805	100	-	284415	811517	130	-	3	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0804	50	880	284424	811507	160	-	2.5	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0803	125	988	284417	811511	150	-	4	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0802	75	1020	284412	811511	160	-	2	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0801	100	880	284411	811517	120	-	3	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0799	100	1030	284419	811507	110	-	3	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0797	75	976	284422	811455	140	-	2	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0798	50	1060	284417	811505	110	-	3	PLUGGED 5/1/91
SCHUMACHER, HENRY	S-0808	0	1020	284426	811508	-	-	0	PLUGGED 5/1/91
SEMINOLE CO DOT	S-0524	5	-	284748	811322	-	-	2	PLUGGED 3/15/89
SEMINOLE CO DOT	S-0534	5	-	284911	811923	-	-	0	PLUGGED 3/07/89
SEMINOLE CO DOT	S-0547	100	50	283918	811253	-	-	4.5	PLUGGED 3/08/89
SEMINOLE CO DOT	S-0540	125	38	283918	811321	-	-	4	PLUGGED 03/08/89
SEMINOLE CO DOT	S-0535	50	618	284448	811552	-	-	3	PLUGGED 3/21/89
SEMINOLE CO DOT	S-0725	200	39	283918	811323	-	-	4	PLUGGED 03/08/89
SEMINOLE CO DOT	S-0274	25	-	284450	811552	-	-	3	PLUGGED 3/21/89
SEMINOLE COUNTY	S-0789	25	24	284917	811937	130	-	2	PLUGGED 5/7/91
SEMINOLE COUNTY	S-0554	0	-	284856	811823	120	-	2	PLUGGED 5/7/91
SEMINOLE COUNTY	S-0632	0	-	284836	811952	-	-	2	PLUGGED 5/7/91
SEMINOLE COUNTY	S-0631	10	-	284838	811953	-	-	2	PLUGGED 5/7/91

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SNYDER	S-0060	0	-	284333	811633	-	-	2	VALVED 5/1991
SR 46 RIGHT OF WAY	S-0599	20	97	284839	811825	-	-	3	PLUGGED 3/07/89
STENSTROM	S-0581	0	936	284745	811336	-	-	3	REPAIRED 8/9/89
STENSTROM	S-0580	0	-	284747	811336	-	-	3	REPAIRED 8/9/89
STENSTROM	S-0578	0	-	284749	811332	-	-	2	REPAIRED 8/9/89
STENSTROM	S-0579	0	-	284748	811334	-	-	3.5	REPAIRED 8/9/89
U OF FLA - IFAS	S-0506	0	428	284754	811405	-	-	2	PLUGGED 3/16/89
U OF FLA - IFAS	S-0500	0	-	284807	811400	-	-	2	PLUGGED 3/23/89
U OF FLA - IFAS	S-0507	40	445	284804	811405	-	-	2	PLUGGED 3/16/89
U OF FLA - IFAS	S-0502	50	505	284809	811400	-	-	3	PLUGGED 3/23/89
U OF FLA - IFAS	S-0501	75	494	284809	811400	-	-	0.75	PLUGGED 3/23/89
UNDETERMINED	S-0636	10	-	284934	811923	-	-	1	PLUGGED 3/20/89
VINCENT, LEFFLER	S-0280	0	-	284226	811644	-	-	2	REPAIRED 8/15/89
VINCENT, LEFFLER	S-0281	0	-	284226	811643	-	-	2	REPAIRED 8/15/89
VINCENT, LEFFLER	S-0279	0	-	284226	811646	-	-	2	REPAIRED 8/14/89
WALLS, PAT JO	S-0205	-	-	284847	811736	-	-	3	PLUGGED 3/88
WALLS, PAT JO	S-0204	-	-	284854	811739	-	-	3	PLUGGED 1988
WALLS, PAT JO	S-0056	-	580	284853	811737	-	-	3	PLUGGED 3/1988
WATSON, JOE	S-0643	0	-	284735	811321	-	-	3	REPAIRED 3/14/89
WATSON, JOE	S-0642	0	-	284731	811315	-	-	4	REPAIRED 3/14/89
WATSON, JOE	S-0645	0	-	284724	811300	-	-	4	REPAIRED 3/15/89
WATSON, JOE	S-0641	0	-	284734	811342	-	-	2	REPAIRED 3/14/89
WATSON, JOE	S-0640	0	-	284735	811342	-	-	3	REPAIRED 3/15/89
WATSON, JOE	S-0644	0	-	284733	811319	-	-	4	REPAIRED 3/14/89
WATSON, JOE	S-0262	0	-	284734	811256	-	-	2	REPAIRED 3/16/89
WATSON, JOE	S-0650	0	-	284748	811254	-	-	4	REPAIRED 3/15/89
WATSON, JOE	S-0647	0	-	284734	811255	-	-	2	REPAIRED 3/16/89
WATSON, JOE	S-0264	0	-	284745	811254	-	-	2	REPAIRED 3/16/89
WATSON, JOE	S-0265	0	-	284745	811250	-	-	2	REPAIRED 3/16/89
WATSON, JOE	S-0651	0	600	284750	811256	-	-	2	REPAIRED 3/15/89
WATSON, JOE	S-0646	0	-	284734	811257	-	-	3	REPAIRED 3/16/89
WATSON, JOE	S-0263	0	-	284744	811250	-	-	2	REPAIRED 3/16/89
WATSON, JOE	S-0649	0	-	284744	811252	-	-	2	REPAIRED 3/16/89
WATSON, JOE	S-0648	0	-	282744	811252	-	-	3	REPAIRED 3/15/89
WHARTON SMITH	S-0731	20	-	284920	811926	-	-	2	REPAIRED 3/24/89
WHARTON SMITH	S-0733	10	-	284920	811924	-	-	2	REPAIRED 3/20/89

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
WHARTON SMITH	S-0732	100	-	284920	811925	130	-	3	REPAIRED 3/20/89
<b>TOTAL</b>	<b>138</b>	<b>2775</b>							
<b>VOLUSIA COUNTY</b>									
CITY N SMYRNA BCH	V-0180	-	9280	290103	805519	998	130	12	RECONSTRUCT 9/25/87
FERRELL, JOHN	V-0201	-	228	290148	805728	-	-	6	REPAIRED 9/23/88
GRAY, CHARLES	V-0584	-	-	285146	811843	153	-	4	
GRAY, CHARLES	V-0375	200	3680	285146	811843	340	60	8	
L WOODRUFF WILDLIFE	V-0054	25	83	290324	812222	-	-	3	PLUGGED 2/14/85
LAWERENCE FARMS	V-0053	30	1700	290748	812109	-	-	8	PLUGGED 2/13/85
LAWERENCE FARMS	V-0052	30	1040	290748	812109	-	-	8	
LAWERENCE FARMS	V-0058	75	3780	290752	812109	-	-	8	PLUGGED 1985
RICH, A.	V-0159	50	490	285645	805235	125	-	6	PLUGGED 9/19/85
SAMS, MURRY	V-0057	300	912	290805	812156	85	30	12	PLUGGED 9/5/91
SAMS, MURRY	V-0055	500	1100	290805	812153	165	-	12	PLUGGED 9/10/91
SJRWMD	V-0200	290	26490	291031	805904	159	99	4	RECONSTRUCT 1988
SJRWMD	V-0508	-	4430	290103	805519	210	170	3	RECONSTRUCT 9/20/87
TRADERS COVE CORP	V-0554	30	1690	285245	812143	120	-	2	PLUGGED 8/30/90
UNION BAG	V-0154	25	3460	291543	813206	116	90	2	PLUGGED 1985
<b>TOTAL</b>	<b>15</b>	<b>1555</b>							
<b>GRAND TOTAL</b>	<b>870</b>	<b>78168</b>							

**INVENTORY OF FREE FLOWING WELLS IN THE  
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
AS OF SEPTEMBER 30, 1991**

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
<b>BREVARD COUNTY</b>									
ALLEN HOLMES	BR1095	-	-	282343	804228	-	-	2	
ALLEN, J.L.	BR1187	-	588	275533	803140	475	-	2	
AMER DIVERS INT'L	BR1009	-	-	282208	804204	-	-	3	
ARNOVITZ, TONY	BR0974	-	-	282259	804142	-	-	2	
ATLANTIC RIDGE	BR1080	-	650	275528	803242	-	-	0	
ATLANTIC RIDGE	BR1084	-	650	275508	803349	-	-	6	
ATLANTIC RIDGE	BR1083	-	800	275513	803359	-	-	6	
ATLANTIC RIDGE	BR1081	-	850	275658	803510	-	-	4	
ATLANTIC RIDGE	BR1112	-	-	275542	803450	-	-	1.25	
ATLANTIC RIDGE	BR1115	-	-	275613	803401	-	-	6	
ATLANTIC RIDGE	BR1188	-	-	275528	803235	505	104	6	
ATLANTIC RIDGE	BR1114	-	-	275554	803414	450	-	8	
ATLANTIC RIDGE	BR1075	-	678	275525	803335	-	-	4	
ATLANTIC RIDGE	BR1082	-	850	275501	803559	400	-	4	
ATLANTIC RIDGE	BR1113	-	-	275639	803403	-	-	6	
A. DUDA & SONS	BR1054	-	-	281215	804528	300	-	4	
BEVAN, CHARLES	BR1008	-	-	280415	804142	175	-	2	
BOY SCOUTS-ORLANDO	BR0100	-	-	275719	803513	-	-	4	
BREVARD CO SCHOOL	BR1137	-	-	281831	804450	-	-	4	
BREVARD COUNTY	BR1111	-	-	280716	804237	-	-	4	
BREVARD COUNTY	BR0640	-	858	281831	804448	-	-	6	
BREVARD COUNTY	BR1010	-	-	275135	802953	250	-	2	
BREVARD CO. MC	BR1122	-	-	275808	803054	300	-	3	
BREVARD CO. MC	BR1123	-	-	275732	803055	-	-	4	
BREVARD CO. MC	BR1120	-	470	275849	803138	-	-	4	
BREVARD CO. MC	BR0079	190	210	275206	802725	466	-	4	
BREVARD CO. MC	BR1119	-	205	275325	802807	-	-	4	
BREVARD CO. MC	BR0082	-	476	275602	803022	387	-	4	
BREVARD CO. MC	BR0094	-	515	275735	803048	-	-	4	
BREVARD CO. MC	BR0388	80	1490	282017	804108	-	-	4	
BREVARD CO. MC	BR0389	-	1430	281816	804024	-	-	6	
BREVARD CO. MC	BR0084	-	220	275303	802815	-	-	4	
BREVARD CO. MC	BR1124	-	-	275720	803033	-	-	4	
BREVARD CO. MC	BR0095	-	935	275858	803118	329	-	4	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
BREVARD CO. MC	BR1130	-	-	275712	803023	-	-	4	
BREVARD CO. MC	BR1127	-	287	275330	802807	-	-	4	
BREVARD CO. MC	BR0391	50	1120	281921	804063	-	-	4	
BREVARD CO. MC	BR0412	-	524	280063	803214	-	-	3	
BREVARD CO. MC	BR1129	-	-	282213	804102	-	-	4	
BREVARD CO. MC	BR1126	144	284	275048	802635	359	-	4	
BREVARD CO. MC	BR0219	-	2876	282643	804316	-	-	4	
BREV. CITY PARK	BR0527	-	-	282820	804140	-	-	4	
CARD, ANITA	BR0978	-	975	282044	803624	-	-	0	
CARD, ANITA	BR0981	-	-	282044	803633	-	-	2	
CARLTON, JOHN	BR1079	-	-	281510	803937	-	-	3	
CARTER, DARLENE	BR1190	-	1030	282148	813642	-	-	2	
CAVALIER GROVES	BR0555	-	775	275252	803948	680	-	6	CANNOT LOCATE
CAVALIER GROVES	BR0558	-	-	275252	803748	680	-	8	
CITY OF EAU GALLIE	BR0693	-	-	281018	803947	-	-	3	
CITY OF EAU GALLIE	BR0688	-	-	280712	803752	511	110	6	
CITY OF MELBOURNE	BR0692	-	-	280810	803548	-	-	2	
CITY OF MELBOURNE	BR0691	-	-	280744	803848	45	33	6	
CITY OF MELBOURNE	BR0690	-	-	280750	803848	65	46	6	
CITY OF MELBOURNE	BR0685	-	-	280502	803653	35	-	2	
CITY OF MELBOURNE	BR0686	-	-	280459	803653	400	90	6	
COBBS, RAY	BR0385	60	2004	282203	804228	420	80	6	
CORRIGAN	BR0246	-	538	274933	803518	-	-	2	
COURTENAY SPR. LTD.	BR0958	-	984	282019	804124	-	-	2	
CREEK ASSOCIATES	BR1012	-	-	275211	803549	-	-	6	
CRISAFULL, C.	BR0242	25	1887	282624	804248	-	-	4	
CROSS, SPENCER	BR1188	-	-	275745	804109	-	-	2	
DAVENPORT	BR0103	-	-	275810	803503	-	-	6	
DAY, GRACE	BR0948	-	-	282054	804157	-	-	2	
DE VINCI INC.	BR0411	-	287	275822	803102	-	-	2	
DEER RUN	BR0247	10	725	275226	803823	-	-	2	CANNOT LOCATE
DESERET RANCH	BR0231	1	361	280536	804643	-	-	4	
DICKINSON, LOUIS	BR0954	-	-	280933	803845	-	-	2	
DNR	BR0379	-	-	280857	803624	-	-	2	
DOT	BR0991	-	-	275026	803012	-	-	0	
ELISON, PERRY	BR0333	-	2037	282232	804246	-	-	2	

WELL OWNER	WELL ID	FLOW GPM	CL FPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
EVANS, EDWARD	BR0569	-	970	281655	804023	-	-	2	
FISH & WILDLIFE	BR0986	-	-	283018	804116	-	-	0	
FLEENER, BOB	BR1053	-	-	280107	803247	-	-	2	
GDC	BR0906	-	-	275659	804121	-	-	8	
GDC	BR1002	-	668	275656	804121	418	-	6	
GDC	BR0226	20	516	275835	804219	266	-	4	
GDC	BR0225	50	747	275825	804210	-	-	4	
GDC	BR0267	-	748	275746	804116	299	-	3	
GDC	BR0495	-	722	275642	804120	-	-	6	
GDC	BR0276	-	698	275956	803820	-	-	0	
GDC-CARLYLE PLATT	BR0274	7	581	275812	804218	-	-	6	
GDC-CARLYLE PLATT	BR0275	4.5	510	275816	804234	-	-	4	
GRAN CENTRAL CORP	BR1041	-	504	275952	803402	480	-	4	
GULF WESTERN	BR1139	-	750	274931	804259	-	-	4	
HALL, J. JAMES	BR1047	-	-	282003	804152	-	-	2	
HARDY, BILL	BR0949	-	-	282212	804148	-	-	2.5	
HAWORTH, HERBERT	BR0975	-	-	282331	804015	-	-	2	
HEARD, WADE	BR1038	-	-	281212	803817	-	-	2.5	
HEARD, WADE	BR1039	-	-	281211	803813	-	-	4	
HONIKEL, IRENE	BR1184	-	-	282404	804205	-	-	2	
INDIAN BAY	BR0573	-	-	282837	804311	-	-	4	
KABANI, STEL	BR1087	-	-	281910	803630	-	-	2	
KEES, ERNEST	BR1183	-	-	282404	804206	125	-	2	
KEMPFER, BILLY	BR0953	-	-	280530	804750	-	-	2	
KEMPFER	BR0230	25	360	280530	804644	-	-	4	
KEMPFER	BR0229	83	387	280457	805018	-	-	4	
KEMPFER	BR0228	20	223	280443	805032	295	-	4	
KEY, KIRBY	BR0999	-	2910	283137	804234	-	-	4	
KIRSEHNER, NEAL	BR0970	-	-	280422	803604	-	-	2	
KREISLER, ALFRED	BR1185	-	580	280150	803539	-	-	2	
LA TURE	BR0392	42	1176	281605	804013	-	-	2	
LAMONTAGNE, ARTHUR	BR1077	-	-	280756	803858	-	-	2	
LEEK, GRANT	BR0960	-	768	280448	803824	-	-	2	
LEE, LULU	BR0705	4	762	280349	803559	-	-	2	
LEON GROVE	BR0998	-	660	275330	803813	-	-	0	
LONE CABBAGE CAMP	BR0204	100	2071	282207	805218	-	-	2	

WELL OWNER	WELL ID	FLOW QPM	CL FPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
MCCOOL, JACK	BR1042	-	-	275957	803610	-	-	5	
MCCREARY, CHARLES	BR1078	-	-	282447	804232	-	-	2	
MCDONALD	BR0977	-	-	281939	803935	-	-	2	
MELB. COUNTRY CLUB	BR0682	-	-	280440	803742	120	-	0	
MELB. COUNTRY CLUB	BR0684	-	-	280440	803742	-	-	2	
MELB. COUNTRY CLUB	BR0683	-	-	280440	803742	10	-	0	
MERIDITH, WILLIAM	BR0952	-	-	275943	803825	-	-	2	
MILLER	BR1038	-	2050	281817	804048	-	-	2	
MOELLER, MARGARET	BR1016	-	-	281915	804112	-	-	2	
MORRIS, PAUL	BR1101	-	-	282045	804633	-	-	6	
NASA	BR0813	-	1410	283037	804027	-	-	3	
NASA	BR0612	-	-	283001	804120	-	-	6	
NASA	BR1066	-	-	282924	804056	-	-	6	
NASA	BR0618	-	-	283238	804027	-	-	4	
NASA	BR0615	-	-	283130	804033	-	-	3	
NASA	BR0605	-	1440	282737	804013	-	-	4	
NASA	BR0616	-	1890	283135	804117	-	-	6	
NASA	BR0619	-	-	283404	803946	-	-	4	
NEVINS	BR0428	10	868	281810	804450	-	-	4	
NINOS, TONY	BR0957	-	687	282103	804323	-	-	6	
NORRIS CATTLE CO.	BR0408	-	1725	283655	805750	-	-	1	
PATRICK AFB	BR0670	210	1240	281121	803558	297	94	3	
PATRICK AFB	BR0676	191	620	281117	803549	355	105	3	
PATRICK AFB	BR1005	-	503	282904	803518	-	-	4	
PATRICK AFB	BR0673	358	1080	281116	803602	444	94	4	
PATRICK AFB	BR0675	316	900	281115	803551	444	95	4	
PATRICK AFB	BR1003	-	725	283428	803447	-	-	0	
PATRICK AFB	BR0697	-	-	282654	803551	-	-	6	
PATRICK AFB	BR0674	358	1130	281112	803600	501	94	4	
PATRICK AFB	BR0671	388	1590	281117	803558	483	94	4	
PATRICK AFB	BR0599	-	609	282732	803550	-	-	4	
PATRICK AFB	BR0672	191	1380	281119	803609	330	105	3	
PATRICK AFB	BR1034	-	630	280130	804112	-	-	2	
PATRICK AFB	BR0597	-	687	282621	803559	-	-	4	
PATRICK AFB	BR0596	-	637	282528	803611	-	-	4	
PATRICK AFB	BR1004	-	691	282508	803612	-	-	4	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
PAULIN, AL	BR1062	-	-	282229	804133	-	-	2	
PAVLAKOS, ANDREW	BR1025	-	-	280202	803256	325	-	3	
PETERSON, MARGARET	BR1081	-	-	281659	804025	-	-	2	
PETRIE, GUY	BR1148	-	-	280228	803453	-	-	4	
PIGG, GLADYS	BR0988	-	-	282057	804203	-	-	2	
PLATT, CECIL	BR0372	2	488	280445	804233	-	-	8	
PORCHER	BR0556	-	3900	282815	804304	-	-	3	
POTEET	BR0421	9	180	275045	804846	284	-	6	
PRITCHETT, CAREY	BR1076	-	-	280333	803547	-	-	2	
PULLEN	BR0380	-	1042	281332	803854	-	-	2	
QUACK, DONALD	BR1056	-	-	280350	803738	-	-	2	
QUARBURG	BR0420	5.2	241	274959	805039	-	-	6	
RAY, HARVEY	BR0415	100	1002	281741	804158	-	-	3	
REED, GAYLAND	BR1021	-	-	280343	804034	-	-	3	
REED, GAYLAND	BR1020	-	-	280342	804037	-	-	4	
SARTORI, JIM	BR1022	-	660	275207	804245	-	-	3	
SCARBOROUGH, DUANE	BR0989	-	-	281811	804045	-	-	0	
SCHRURSBRENN ZITA	BR0547	-	448	275955	804345	262	110	4	
SEIB GROVE	BR0251	-	785	275332	803739	-	-	4	
SHEPARD, NATHANIEL	BR1045	-	588	280004	803427	-	-	4	
SJRWMD	BR0802	-	-	275129	804852	-	-	2	
SJRWMD	BR0835	-	-	275317	804744	-	-	6	
SJRWMD	BR0801	-	-	275155	804812	-	-	8	
SJRWMD	BR0822	-	-	275306	804843	-	-	6	
SJRWMD	BR0942	-	-	275125	804843	-	-	4	
SJRWMD	BR0808	-	-	275126	804819	-	-	4	
SJRWMD	BR0828	-	-	275240	804809	-	-	6	
SJRWMD	BR0830	-	-	275254	804812	-	-	6	
SJRWMD	BR0831	-	-	275245	804740	-	-	6	
SJRWMD	BR0832	-	-	275257	804742	-	-	6	
SJRWMD	BR0827	-	-	275333	804848	-	-	6	
SJRWMD	BR0806	-	-	275010	804853	-	-	6	
SJRWMD	BR0805	-	-	275035	804852	-	-	6	
SJRWMD	BR0809	-	-	275134	804828	-	-	4	
SJRWMD	BR0811	-	-	275130	804812	-	-	10	
SJRWMD	BR0819	-	-	275212	804839	-	-	8	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SJRWMD	BR0816	-	-	275214	804707	-	-	8	
SJRWMD	BR0813	-	-	275219	804831	-	-	8	
SJRWMD	BR0812	-	-	275201	804857	-	-	4	
SJRWMD	BR0820	-	-	275214	804839	-	-	6	
SJRWMD	BR0810	-	-	275155	804838	-	-	4	
SJRWMD	BR0818	-	-	275301	804914	-	-	8	
SJRWMD	BR0817	-	-	275245	804910	-	-	6	
SJRWMD	BR0815	-	-	275216	804801	-	-	8	
SJRWMD	BR0824	-	-	275319	804845	-	-	4	
SJRWMD	BR0825	-	-	275324	804847	-	-	6	
SNYDER, BRENDA	BR1143	-	292	275116	803013	-	-	2	
SOMERFIELD	BR0381	-	688	281341	803903	325	-	4	
STROUGHTON	BR1133	-	-	282218	804244	-	-	2	
SUDERMAN, JAMES	BR1182	-	-	282324	804439	-	-	2	
TENDERFOOT RANCH	BR0403	20	2510	282224	804701	-	-	4	
THOMAS	BR0539	-	-	281557	815040	-	-	3	
TINSLEY, PHYLISS	BR0419	150	2570	282543	804259	-	-	0	
TOLEDO TRUST CO	BR0528	-	2112	282151	805125	-	-	2	
TOLEDO TRUST CO	BR0016	-	-	282146	805128	-	-	2	
UNDETERMINED	BR0876	-	-	275357	802818	-	-	2	
UNDETERMINED	BR0416	-	788	282049	803942	-	-	2	
UNDETERMINED	BR0570	-	888	281902	804239	-	-	0	
UNDETERMINED	BR0562	-	740	275207	804048	-	-	3	
UNDETERMINED	BR0659	75	488	280800	804159	-	-	4	
UNDETERMINED	BR1131	-	-	282441	804035	-	-	2	
UNDETERMINED	BR1128	-	738	280801	804016	-	-	2	
UNDETERMINED	BR0395	1.1	1002	281605	803955	-	-	2	
UNDETERMINED	BR0987	-	230	280213	803533	-	-	4	
UNDETERMINED	BR1130	-	-	281142	803932	-	-	2	
UNDETERMINED	BR0400	220	1336	282045	804634	-	-	6	
UNDETERMINED	BR1134	-	-	275714	805209	285	-	3	
UNDETERMINED	BR0384	-	1189	281538	804105	-	-	4	
UNDETERMINED	BR1136	-	-	275819	803155	-	-	2	
UNDETERMINED	BR1132	20	2117	282150	805115	-	-	2	
UNDETERMINED	BR0378	-	688	281017	803713	-	-	4	
UNDETERMINED	BR1135	150	701	275416	803904	315	-	6	

WELL OWNER	WELL ID	FLOW GPM	CL. FPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
UNDETERMINED	BR0267	-	-	275416	803940	315	-	6	
UNDETERMINED	BR1140	-	664	280003	804132	-	-	4	
UNDETERMINED	BR0237	-	-	282147	805134	-	-	2	
UNDETERMINED	BR0375	-	-	281234	803629	-	-	6	
UNDETERMINED	BR0374	-	-	281230	803626	-	-	6	
U.S.GOVERNMENT	BR0984	-	-	282625	803932	-	-	2	
WANSLEY, THEODORE	BR1057	-	-	281906	803713	-	-	2	
WARREN, EUNICE	BR1181	-	-	281141	803933	-	-	2	
WATERWAY ESTATES	BR0376	-	-	281243	803629	-	-	2	
WATERWAY ESTATES	BR0373	-	-	281226	803626	-	-	6	
WATSON	BR0629	-	-	282205	804153	600	-	4	
WEGERIF, E.L.	BR0390	-	1202	281823	804054	-	-	2	
WEGERIF, E.L.	BR0711	250	1110	281820	804043	-	-	4	
WEGERIF, E.L.	BR0712	-	-	281820	804058	-	-	6	
WICKHAM PARK	BR0382	200	548	280934	803946	600	105	4	
WICKMAN PARK	BR0383	275	625	280951	803940	550	105	6	
WINDWARD APTS.	BR0368	7	695	280214	803711	-	-	2	
WOLLAM, ROBERT	BR1189	-	768	282269	803628	-	-	2	
<b>TOTAL</b>	<b>232</b>	<b>4422</b>							
<b>DUVAL COUNTY</b>									
ALLEN, IRA	D-1162	-	-	301846	813454	-	-	6	
ANDMARK ISL ASSOC	D-1197	-	-	302017	812555	-	-	3	
CITY OF JAX.	D-4591	-	21	301346	813718	-	-	4	
CITY OF JAX.	D-4590	-	-	302200	813323	600	-	2	
CITY OF JAX.	D-0694	-	-	301723	814251	-	-	4	
DNR	D-1224	-	-	302258	812620	-	-	8	
DNR	D-1196	-	23	303049	812720	-	-	4	
GPG GRNUP	D-4588	-	-	301912	814802	-	-	0	
HERRING, CARL	D-1201	-	-	301722	814302	-	-	0	
MORRELL, WARD	D-1202	-	-	301211	813503	-	-	0	
UNDETERMINED	D-1204	-	-	301939	814105	-	-	0	
UNDETERMINED	D-4587	-	-	302319	814405	-	-	6	
<b>TOTAL</b>	<b>12</b>	<b>0</b>							
<b>FLAGLER COUNTY</b>									
DNR	F-0287	-	-	292335	812318	-	-	2	
HOLLAR GREEN	F-0026	-	852	292524	812503	-	-	0	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
UNDETERMINED	F-0288	1	940	292522	812538	-	-	3	
UNDETERMINED	F-0289	1	1410	292528	812553	-	-	4	
UNDETERMINED	F-0290	1	-	292528	812549	-	-	3	
<b>TOTAL</b>	<b>5</b>	<b>3</b>							
<b>INDIAN RIVER COUNTY</b>									
ABC FRUIT CO.	IR0471	-	-	273403	802558	-	-	4	
G & M GROVES CORP	IR0295	-	-	274642	803628	-	-	4	
HABORA, HENRY R.	IR0468	300	396	274501	803137	-	-	4	
INDIAN OAKS	IR0611	100	496	273631	802610	-	-	3	
IR CO UTILITIES	IR0527	-	-	274907	803017	-	-	4	
J.V.D'ALBORA CO.	IR0223	75	620	274653	802509	-	-	8	
KNIGHT, C. REED	IR0225	-	514	273949	802321	-	-	6	
LAKEWOOD VILLAGE	IR0598	-	872	273744	803049	892	-	6	
MCCUE, JOHN	IR0351	-	450	273831	802754	-	-	4	
MILES, BOBO	IR0519	-	-	274054	802630	-	-	0	
PROCTOR, E.C.	IR0521	-	-	274305	802541	-	-	3	
SHURLOCK	IR0550	-	362	274127	802938	-	-	4	
UNDETERMINED	IR0570	-	-	273511	802416	-	-	3	
UNDETERMINED	IR0509	-	-	275028	802858	-	-	0	
UNDETERMINED	IR0591	-	-	274409	802528	-	-	3	
UNDETERMINED	IR0590	-	15	274413	802524	-	-	4	
UNDETERMINED	IR0571	-	343	273747	802811	-	-	0	
UNDETERMINED	IR0562	-	-	274028	802311	-	-	0	
UNDETERMINED	IR0568	-	-	274130	802645	-	-	4	
UNDETERMINED	IR0566	-	-	273807	802549	-	-	3	
UNDETERMINED	IR0499	-	-	274507	802600	-	-	0	
UNDETERMINED	IR0513	-	-	273824	802650	-	-	6	
UNDETERMINED	IR0525	-	496	274557	803233	-	-	4	
WOO, TELING	IR0541	-	-	273723	803028	-	-	0	
WOO, TELING	IR0542	-	-	273723	803029	-	-	0	
<b>TOTAL</b>	<b>25</b>	<b>475</b>							
<b>LAKE COUNTY</b>									
JUNIPER LODGE	L-0322	-	-	291446	813814	-	-	6	
LAHT, SAM	L-0430	-	12	290839	813134	-	-	0	
SJRWMD	L-0451	-	-	285419	814754	-	-	2	
SJRWMD	L-0452	-	7	284922	814940	-	-	4	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SJRWMD	L-0454	-	-	285421	814759	-	-	1	
UNDETERMINED	L-0316	-	-	290820	813104	-	-	0	
UNDETERMINED	L-0327	-	-	290818	813104	-	-	2	
USDA FOREST SER.	L-0441	-	-	290705	813143	113	104	8	
<b>TOTAL</b>	<b>8</b>	<b>0</b>							
<b>MARION COUNTY</b>									
DNR	M-0274	-	13	291208	820035	-	-	3	
DNR	M-0272	-	-	291215	820017	-	-	3	
DNR	M-0277	-	-	291251	820220	-	-	3	
DNR	M-0276	-	-	291243	820211	-	-	3	
DNR	M-0271	-	14	291235	815938	-	-	3	
DNR	M-0275	-	-	291213	820145	-	-	3	
DNR	M-0273	-	12	291212	820024	-	-	3	
HEINEMANN, G.C.	M-0005	-	-	291743	813915	-	-	4	
UNDETERMINED	M-0270	-	-	290845	815751	-	-	4	
USDA FOREST SER.	M-0225	-	-	291139	815018	-	-	6	
USDA FOREST SER.	M-0226	-	190	292058	814351	-	-	2	
USDA FOREST SER.	M-0283	-	-	292117	815107	-	-	6	
<b>TOTAL</b>	<b>12</b>	<b>0</b>							
<b>NASSAU COUNTY</b>									
FDOT	N-0192	-	29	304433	813921	-	-	2	
JOHNSON LAKE	N-0108	-	-	303549	813854	-	-	2	
SMITH, JULIAN	N-0114	-	-	304027	812655	-	-	4	
<b>TOTAL</b>	<b>3</b>	<b>0</b>							
<b>ORANGE COUNTY</b>									
CAMP JOY	OR0529	-	-	284800	813007	-	-	0	
CAMP JOY	OR0528	-	-	284800	813006	-	-	0	
DNR	OR0515	-	-	284635	812613	-	-	3	
DNR	OR0526	-	-	282213	805421	-	-	2	
DNR	OR0497	-	-	284339	812850	-	-	2	
DNR	OR0510	-	-	282659	805742	-	-	2	
DNR	OR0516	-	-	284543	812653	-	-	2	
DNR	OR0517	-	-	284431	812720	-	-	3	
DNR	OR0512	-	-	282639	805726	-	-	2	
DNR	OR0511	-	-	273119	805708	-	-	4	
DNR	OR0530	-	-	282924	805611	-	-	0	

WELL OWNER	WELL ID	FLOW QPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
DNR	OR0500	-	-	284431	812830	-	-	2	
DNR	OR0509	-	-	282846	805718	120	80	2	
DNR	OR0607	-	-	282943	805615	-	-	2	
DNR	OR0498	-	-	284333	812838	-	-	2	
DNR	OR0502	-	-	284613	812518	-	-	2	
DNR	OR0501	-	-	284453	812857	-	-	2	
DNR	OR0508	-	-	282854	805445	335	162	8	
DNR	OR0499	-	-	284325	812836	-	-	1	
DNR	OR0514	-	-	284636	812803	-	-	3	
FRANCINE, F	OR0518	-	-	283216	805924	-	-	4	
GROSSENBACHER, C.	OR0503	-	-	284804	813016	-	-	6	
HUNTER DEVELOPMENT	OR0525	-	-	283610	810136	-	-	2	
SJRWMD	OR0524	-	-	283401	805834	-	-	0	
SJRWMD	OR0523	-	-	283254	810022	260	155	10	
UNDETERMINED	OR0109	-	-	283216	805937	-	-	4	
VICKERY, MARGARET	OR0519	-	-	283203	805826	-	-	4	
<b>TOTAL</b>	<b>27</b>	<b>0</b>							
<b>OSCEOLA COUNTY</b>									
KEMPFER DEER PARK	OS0180	-	200	275957	805234	274	-	2.5	
<b>TOTAL</b>	<b>1</b>	<b>0</b>							
<b>PUTNAM COUNTY</b>									
DNR	P-0106	-	-	292321	813840	-	-	2	
DNR	P-0116	-	-	294003	813715	-	-	6	
FLOYD, U. D.	P-0569	-	-	294116	813515	-	-	6	
GEORGIA PACIFIC	P-0711	-	77	294116	813955	-	-	6	
GEORGIA PACIFIC	P-0710	-	84	294121	814003	-	-	6	
GEORGIA PACIFIC	P-0709	-	84	294120	813954	-	-	2	
GEORGIA PACIFIC	P-0712	-	76	294118	813949	-	-	3	
GEORGIA PACIFIC	P-0068	5	175	294028	813937	-	-	2	
HICKEY, ANNETTE	P-0715	-	14	295021	813706	-	-	3	
LEE, LINDA	P-0898	-	83	293858	813814	-	-	2	
MCLENDON, VIVIAN	P-0730	-	162	293839	813637	-	-	0	
RAVINES GARDENS	P-0418	10	211	293759	813834	401	86	3	
RIO DE ST JOHNS	P-0716	-	245	294428	813514	-	-	6	
S.C.L. RAILROAD	P-0056	-	-	293545	814059	-	-	2	
UNDETERMINED	P-0739	-	7	293223	814521	-	-	4	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
UNDETERMINED	P-0721	-	-	293902	813743	-	-	0	
UNDETERMINED	P-0693	-	-	293841	813751	-	-	3	
UNDETERMINED	P-0713	-	-	293453	813609	-	-	3	
UNDETERMINED	P-0064	10	111	294032	813729	-	-	4	
UNDETERMINED	P-0134	-	-	293851	813820	-	-	0	
UNDETERMINED	P-0130	-	-	293949	813929	-	-	0	
UNDETERMINED	P-0083	-	-	293358	814339	-	-	4	
UNDETERMINED	P-0448	-	-	293804	813827	-	-	4	
WILLIAMS, DAVIS	P-0415	-	329	293634	813533	-	-	0	
<b>TOTAL</b>	<b>24</b>	<b>25</b>							
<b>ST. JOHNS COUNTY</b>									
DINSDALE, JAMES	SJ0233	-	-	295534	812155	-	-	6	
DNR	SJ0507	150	78	300354	812222	368	300	3	
DNR	SJ0232	-	88	300104	812221	-	-	3	
JANSON DEV. COM	SJ0234	-	-	295549	812158	-	-	6	
SMITH, ROCKY	SJ0699	-	26	295405	811953	-	-	0	
SMITH, WESLEY	SJ0219	-	-	294044	812607	-	-	6	
SMITH, WESLEY	SJ0228	-	-	294108	812908	-	-	6	
SMITH, WESLEY	SJ0227	-	-	294054	812924	-	-	5	
UNDETERMINED	SJ0520	-	70	295536	811743	-	-	4	
UNDETERMINED	SJ0238	-	1780	295656	812009	-	-	4	
UNDETERMINED	SJ0690	-	-	295551	812901	-	-	8	
UNDETERMINED	SJ0691	-	-	295558	812900	-	-	8	
UNDETERMINED	SJ0694	-	-	300741	813714	-	-	4	
WETUMPKA FRUIT	SJ0684	-	-	294051	812951	-	-	6	
WETUMPKA FRUIT	SJ0686	-	-	294027	812951	-	-	6	
WETUMPKA FRUIT	SJ0685	-	-	294048	812933	-	-	6	
<b>TOTAL</b>	<b>16</b>	<b>150</b>							
<b>SEMINOLE COUNTY</b>									
AUSTIN, CARL	S-0764	-	-	284157	811003	-	-	0	
BLAKE, DUDDLY	S-0827	-	-	284809	811748	-	-	6	
BLAKE, DUDDLY	S-0832	-	-	284811	811747	-	-	6	
CAIN	S-0551	-	88	285000	812147	-	-	4	
CAIN	S-0584	-	-	284945	812158	-	-	0	
CAIN	S-0583	-	89	285003	812150	-	-	3.5	
CAIN	S-0582	-	89	285004	812151	-	-	1	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
CAMERON CITY GROVE	S-0516	0	-	284600	811257	-	-	2	
CAMERON CITY GROVE	S-0514	21.5	-	284548	811245	-	-	2	
CELERY FARMS LAND	S-0523	11.86	-	284811	811433	-	-	2.25	
CELERY FARMS LAND	S-0521	50.78	-	284811	811441	-	-	12	
CELERY FARMS LAND	S-0520	55.25	-	284817	811449	-	-	3	
CELERY FARMS LAND	S-0519	0	-	284820	811449	-	-	3	
CELERY FARMS LAND	S-0505	34.65	-	284804	811449	-	-	2	
CELERY FARMS LAND	S-0522	0	-	284810	811438	-	-	0	
CELERY FARMS LAND	S-0504	29.6	-	284818	811453	-	-	2	
CLARK, A	S-0826	-	-	284612	811228	-	-	1.5	
CLARK, A.	S-0821	-	-	284612	811238	-	-	2	
CLARK, A.	S-0820	-	872	284612	811243	-	-	4	
CLARK, A.	S-0822	-	872	284618	811234	-	-	2	
CLARK, A.	S-0815	-	840	284614	811227	-	-	1	
CLARK, A.	S-0818	-	848	284611	811248	-	-	2	
CLARK, A.	S-0814	-	904	284620	811226	-	-	4	
CLARK, A.	S-0816	-	-	284604	811243	-	-	0	
CLARK, A.	S-0817	-	840	284609	811248	-	-	4	
CLARK, A.	S-0813	-	920	284621	811224	-	-	3	
CLARK, A.	S-0819	-	896	284521	811548	-	-	3	
CLASSIC CONST.	S-0840	-	440	284807	811345	-	-	2	
CLASSIC CONST.	S-0842	-	428	284811	811355	-	-	3	
CLASSIC CONST.	S-0841	-	428	284809	811345	-	-	3	
CLASSIC CONST.	S-0836	-	432	284805	811353	-	-	3	
CLASSIC CONST.	S-0837	-	428	284807	811353	-	-	3	
CLASSIC CONST.	S-0838	-	452	284813	811351	-	-	3	
CLASSIC CONST.	S-0839	-	428	284805	811355	-	-	4	
CLONTS	S-0560	-	-	283925	811248	-	-	2	
CLONTZ	S-0548	0	-	283925	811301	-	-	4.5	
CLONTZ	S-0541	-	-	283917	811326	-	-	5	
COUNTY R OF W	S-0099	20	2050	294404	811626	-	-	2	
CSX RAILROAD	S-0533	0	-	284939	811918	-	-	2	
CULLUM	S-0527	0	-	284800	811350	-	-	2	
DUDA,A	S-0101	30	12	283901	811422	-	-	3	
DUDA,A	S-0103	25	13	283905	811426	-	-	6	
DUDA,A	S-0100	30	11	283858	811428	-	-	4	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
DUDA,A	S-0102	-	-	283902	811430	-	-	4	
DUNN, DON	S-0682	-	-	284626	812445	-	-	2	
DUNN, DON	S-0684	-	1056	284634	811247	-	-	2	
DUNN, DON	S-0686	-	1086	284631	811239	-	-	1.5	
DUNN, DON	S-0687	-	1150	284631	811241	-	-	2	
DUNN, DON	S-0685	-	1186	284634	811245	-	-	2	
DUNN, DON	S-0688	-	-	284631	811243	-	-	0	
DUNN, DON	S-0683	-	-	284634	811252	-	-	2	
DUNN, DON	S-0681	-	-	284626	812447	-	-	0	
DUNN, DON	S-0680	-	-	284626	811249	-	-	2	
DUNN, DON	S-0678	-	-	284626	811252	-	-	2	
DUNN, DON	S-0677	-	-	284630	811238	-	-	2	
DUNN, DON	S-0689	-	430	284629	811308	-	-	2	
HATCH, STEVE	S-0598	-	-	284850	811811	-	-	2	
HATCH, STEVE	S-0592	-	-	284846	811850	-	-	4	
HATCH, STEVE	S-0594	-	-	284812	811850	-	-	2	
HATCH, STEVE	S-0597	-	-	284852	811811	-	-	2	
HATCH, STEVE	S-0595	-	-	284838	811814	-	-	2	
HATCH, STEVE	S-0593	-	-	284840	811850	-	-	2	
LEE, ROBERT E.	S-0283	-	-	283741	810318	380	102	14	
LEFFLER, VINCENT	S-0617	-	-	284233	811642	-	-	8	
LEFFLER, VINCENT	S-0614	-	-	284234	811702	-	-	1.5	
MACANTOSH, BOB	S-0772	-	381	284359	811627	-	-	0	
MEEKS	S-0672	-	462	284835	811553	-	-	1	
MERIWETHER	S-0665	-	-	284812	811311	-	-	0	
MERIWETHER	S-0666	-	-	284809	811213	-	-	1	
MERIWETHER	S-0661	-	-	284806	811213	-	-	2	
MERIWETHER	S-0663	-	-	284811	811314	-	-	2	
MERIWETHER	S-0660	-	-	284807	813105	-	-	0	
MERIWETHER	S-0664	-	-	284814	811309	-	-	4	
MERWEITHER	S-0662	-	-	284811	811315	-	-	2	
PRESCOTT, W.W.	S-0261	-	222	284931	812118	-	-	4	
SAN. FLA. INV. LTD.	S-0531	-	38	284922	811902	-	-	4.5	
SCHUMACHER, HENRY	S-0724	-	-	284400	811723	-	-	2	
SEMINOLE CO DOT	S-0539	-	-	284146	811047	-	-	4	
SEMINOLE CO DOT	S-0536	-	-	284432	811551	-	-	3	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SEMINOLE COUNTY	S-0786	-	-	284107	810950	-	-	2	
SJRWMD	S-0812	-	-	284641	811133	-	-	2	
SJRWMD	S-0811	-	904	284546	811147	-	-	2	
SJRWMD	S-0810	-	832	284606	811109	-	-	0	
SJRWMD	S-0809	-	880	284802	811210	-	-	2	
SR 48 RIGHT OF WAY	S-0856	-	-	284801	811755	-	-	2	
STATE RIGHT OF WAY	S-0113	-	6	284305	811920	-	-	3	
SUTAY, LINDA	S-0064	-	1010	284153	811018	-	-	0	
TACKVERIAN	S-0515	-	-	284653	811224	-	-	0	
UNDETERMINED	S-0544	-	-	284828	811842	-	-	3.5	
UNDETERMINED	S-0825	-	-	284611	811227	-	-	2	
UNDETERMINED	S-0824	-	-	284601	811239	-	-	6	
UNDETERMINED	S-0823	-	944	284601	811241	-	-	3	
UNDETERMINED	S-0639	-	-	284802	811301	-	-	0	
UNDETERMINED	S-0834	-	-	284806	811753	-	-	3	
UNDETERMINED	S-0550	-	74	284954	812134	-	-	2.5	
UNDETERMINED	S-0562	-	312	284800	811809	-	-	3	
UNDETERMINED	S-0543	-	183	284914	811854	-	-	2.5	
UNDETERMINED	S-0690	-	540	284812	811356	-	-	2	
UNDETERMINED	S-0858	-	-	284738	811316	-	-	2	
UNDETERMINED	S-0555	-	43	284922	811927	-	-	2.5	
UNDETERMINED	S-0835	-	-	284750	811800	-	-	3	
UNDETERMINED	S-0532	8.57	75	284949	811931	-	-	2.5	
UNDETERMINED	S-0659	-	-	284738	811313	-	-	2	
UNDETERMINED	S-0525	-	-	284958	811917	-	-	2.5	
UNDETERMINED	S-0674	-	-	284725	811306	-	-	2	
UNDETERMINED	S-0260	-	-	284154	811125	-	-	0	
UNDETERMINED	S-0673	-	1101	284725	811307	-	-	2	
UNDETERMINED	S-0553	-	-	284809	812823	-	-	1.5	
UNDETERMINED	S-0891	-	-	284804	811344	-	-	2	
UNDETERMINED	S-0770	-	-	284806	811320	-	-	2	
UNDETERMINED	S-0754	-	-	284201	811117	-	-	6	
UNDETERMINED	S-0777	-	-	284150	811120	-	-	4	
UNDETERMINED	S-0776	-	515	284154	811152	-	-	0	
UNDETERMINED	S-0557	-	384	284430	811534	-	-	3	
UNDETERMINED	S-0755	-	-	284811	811808	-	-	3	

WELL OWNER	WELL ID	FLOW QPM	CL PPM	LATITUDE	LONGITUDE	WELL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
UNDETERMINED	S-0779	-	984	284155	811119	-	-	0	
UNDETERMINED	S-0747	-	-	284200	811229	-	-	2	
UNDETERMINED	S-0744	-	152	284132	811131	-	-	2	
UNDETERMINED	S-0778	-	989	284155	811119	-	-	0	
UNDETERMINED	S-0556	-	-	284920	811828	-	-	1.25	
UNDETERMINED	S-0637	-	-	284804	811346	-	-	2	
UNDETERMINED	S-0787	-	928	284430	811553	-	-	0	
UNDETERMINED	S-0638	-	-	284432	811515	-	-	3	
UNDETERMINED	S-0633	-	-	284834	811909	-	-	4	
UNDETERMINED	S-0630	-	-	284840	811954	-	-	1.5	
UNDETERMINED	S-0635	-	-	284825	811908	-	-	4	
UNDETERMINED	S-0634	-	-	284827	811909	-	-	4	
VESTRY	S-0545	-	-	284653	811220	-	-	0	
VESTRY	S-0546	38.46	-	284654	811222	-	-	4	
WHEELER COMPANY	S-0559	-	76	283912	811257	-	-	4	
WHEELER COMPANY	S-0558	-	-	283912	811250	-	-	6	
WHEELER COMPANY	S-0566	-	312	284027	811007	-	-	2	
WILLIS, TONY	S-0845	-	-	283829	811503	-	-	4	
<b>TOTAL</b>	<b>133</b>	<b>355.67</b>							
<b>VOLUSIA COUNTY</b>									
DELTONA CORP	V-0499	-	-	285502	811302	-	-	10	
FP&L	V-0561	-	-	285155	811905	124	-	8	
SJRWMD	V-0337	-	-	291502	813032	180	97	4	
STONE IS HOMEOWN.	V-0061	40	90	295042	811408	-	-	8	
STONE IS HOMEOWN.	V-0093	10	624	295044	811401	-	-	3	
STONE IS HOMEOWN.	V-0515	-	620	285052	811345	-	-	2	
THOFEHRN, GEORGE	V-0511	-	-	290931	812203	-	-	0	
UNDETERMINED	V-0532	50	70	291503	810718	-	-	4	
UNDETERMINED	V-0498	10	50	290513	810247	-	-	3	
UNDETERMINED	V-0328	-	-	291432	812854	139	6	3	
UNDETERMINED	V-0158	-	987	290030	812253	-	-	4	
UNDETERMINED	V-0518	-	19	285610	810509	-	-	1.5	
UNDETERMINED	V-0073	20	13	285213	811655	-	-	0	
UNDETERMINED	V-0032	-	-	285144	811458	-	-	8	
<b>TOTAL</b>	<b>14</b>	<b>130</b>							
<b>GRAND TOTAL</b>	<b>512</b>	<b>5565.5</b>							

**INVENTORY OF ABANDONED ARTESIAN WELLS  
PLUGGED OR REPAIRED BY OWNER  
AS OF SEPTEMBER 30, 1991**

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
<b>BREVARD COUNTY</b>									
ANASTASIO	BR1017	-	760	275951	803618	-	-	0	CAPPED
ARNETT	BR0933	12	-	282142	804133	-	-	2	PLUGGED 7/31/89
BEACHWOOD	BR1109	-	-	280148	803231	-	-	2	
BLISS, THOMAS	BR1092	-	-	281525	803948	-	-	4	
BOOKIE, MARCUS	BR0368	-	287	274921	805033	693	-	5	9/14/87
BREVARD CO.	BR1067	-	-	280443	804014	-	-	2	PLUGGED
BREVARD CO.	BR1177	-	-	280758	803746	-	-	2	
BREVARD CO.	BR1105	-	-	275855	803537	-	-	4	
BREVARD CO. DIST 3	BR0101	150	601	275710	803543	316	-	4	9/88
BREVARD CO. MC	BR0430	15	1447	282152	804117	152	82	4	
BREVARD CO. MC	BR1180	-	1420	282327	804139	-	-	6	
BREVARD CO. MC	BR0528	-	-	282811	804312	83	82	3	PLUGGED 1987
BREVARD CO. MC	BR0941	300	1070	281859	804007	-	-	4	PLUGGED 7/31/89
BREVARD CO. MC	BR0233	150	935	281732	804155	-	-	4	
BREVARD CO. MC	BR0089	-	681	275523	803208	-	-	4	9/18/90
BREVARD CO. MC	BR0210	100	1377	282447	804105	-	-	4	PLUGGED 8/1/89
BREVARD CTY CORP	BR0387	120	918	282047	804107	400	-	4	
BSA ORLANDO COUNCIL	BR1108	-	-	275715	803521	-	-	2	
CAMPBELL & ASSOC.	BR0938	20	-	282633	804245	-	-	4	PLUGGED 8/1/89
CHAMBER, JACK E.	BR1090	-	-	281022	803854	-	-	2	
CITY OF COCOA BEACH	BR0821	-	772	282109	803624	-	-	2	CAPPED 12/17/87
CITY OF MELBOURNE	BR0351	-	641	280758	803814	600	-	12	
CONSTELLATION	BR1103	-	-	281627	803624	-	-	3	
COYLE	BR0436	7	520	280420	803340	-	-	2	9/17/90
CRAWFORD GROVE	BR0940	12	-	282845	804309	-	-	2	PLUGGED 8/1/89
CREATIVE HORIZONS	BR0560	-	-	275031	803024	-	-	4	7/28/88
CREATIVE HORIZONS	BR0569	-	-	275022	803020	-	-	4	3/4/90
CRISAFULLI, CHARLES	BR0243	-	2455	282623	804257	-	-	4	
DEER RUN	BR0248	-	705	275253	803832	399	-	6	9/88
DEER RUN	BR0249	-	735	275255	803850	305	-	6	9/88
DRAWDY	BR0371	10	650	280218	804107	-	-	4	4/7/88
ELEY, EDMUND L.	BR0250	-	671	275357	803637	409	-	2	3/8/90
FANGZL, STEVE	BR0414	-	-	281730	804039	-	-	3	4/7/88

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
FRANS CASTAWAY COVE	BR1116	-	-	280227	803453	-	-	6	PLUGGED 11/84
FRANS CASTAWAY COVE	BR1117	-	-	280227	803453	-	-	4	PLUGGED 11/84
GDC	BR0431	10	721	280030	803930	-	-	3	3/1/84
GDC	BR0650	-	648	275648	804150	-	-	6	PLUGGED
GDC	BR0651	-	622	275603	804157	-	-	6	PLUGGED
GDC	BR0654	-	1050	275636	804234	-	-	6	PLUGGED
GDC	BR0301	-	-	275616	804102	-	-	6	
GDC	BR0653	-	538	275615	804232	-	-	6	PLUGGED
GDC	BR0647	-	580	275624	804219	-	-	6	PLUGGED
GDC	BR0649	-	653	275715	804204	-	-	6	PLUGGED
GDC	BR0268	-	691	275725	804104	-	-	4	3/2/84
GDC	BR0370	500	650	280232	804327	368	-	6	
GDC	BR1018	-	741	275725	804127	-	-	0	PLUGGED
GDC	BR0369	-	561	280132	803458	-	-	2	
GDC	BR0281	-	678	280041	804025	335	-	4	1989
GDC	BR0260	-	701	275502	804024	389	-	2	3/2/84
GDC	BR0277	-	718	275955	803940	-	-	4	3/1/88
GH POSEJPAL	BR1108	-	-	275955	803716	-	-	4	
GILLISPEE	BR0932	1	-	282022	804159	-	-	2	PLUGGED 7/31/89
GOUGH	BR0434	-	645	280354	803347	505	150	4	
GREEN	BR0939	6	-	282330	803619	-	-	3	PLUGGED 7/31/89
HAPPED	BR0234	15	1015	282040	803951	-	-	2	
HIMMEROEDER, E.	BR0542	-	-	280019	803151	-	-	2	1/27/87
JAMESTOWN CONDOS	BR0232	-	501	280843	803504	-	-	4	5/13/87
JEKYLL INC	BR0725	-	64	280752	803739	-	-	2	9/6/88
JOHNSON, JOYCE	BR1071	-	-	282654	804121	-	-	16	
JOHNSON, RUTH	BR1073	-	-	282139	803623	-	-	2	
MATHIS, DELBERT	BR1099	-	-	282036	803710	235	235	2	
MAYNARD	BR0501	-	496	280527	804151	460	-	2	9/17/90
MCDONALD	BR0976	-	-	282057	803945	-	-	2	PLUGGED 1/1/90
MELBOURNE UTIL.	BR1089	-	-	280750	803814	600	-	12	
MEYERS, J.F.	BR1176	-	-	280818	803815	-	-	2	
MICHAEL, NEAL	BR0240	100	4309	282754	804310	-	-	4	PLUGGED 8/1/89
NASA	BR0620	-	-	283346	804007	-	-	4	PERMITTED
NASA	BR0611	1340	2640	282915	804101	321	100	12	PERMITTED
NASA	BR0607	-	1760	282935	803909	-	-	6	PERMITTED

WELL OWNER	WELL ID	FLOW QPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
NASA	BR0606	-	-	282918	803911	-	-	6	PERMITTED
NASA	BR0617	-	-	283219	804052	-	-	6	PERMITTED
NASA	BR0604	-	-	283337	803912	-	-	6	PLUGGED
ODZIMWSKI, CONNIE	BR0990	-	-	281020	803849	-	-	2	3/90
OMEN, AUGUST C.	BR0988	-	-	282057	803954	-	-	2	10/18/89
PARKER, KEN	BR1110	-	620	275703	803541	-	-	2	
PLATT, CARLYLE	BR0266	28	768	275745	803928	-	-	3	PLUGGED 1984
PLATT, HAROLD	BR0280	-	414	275952	804512	377	-	0	12/17/84
PLATT, HAROLD	BR0279	-	534	275901	804320	364	-	4	12/17/84
POE, LURE C.	BR1069	-	-	281650	804019	-	-	6	
ROBINSON RM TRUSTEE	BR1175	-	-	275752	803030	-	-	4	
ROCKLEDGE G. C.	BR0235	-	-	282013	804449	-	-	4	9/90
ROCKLEDGE G. C.	BR0236	-	-	282008	804442	-	-	4	9/90
ROCKLEDGE G. C.	BR0245	-	1470	282002	804506	-	-	4	9/19/90
ROPER, W.C.	BR0413	175	608	280718	803732	-	-	6	REPAIRED 9/1/90
SCHLERNITZAUER, R.	BR1070	-	-	281907	804244	-	-	4	
SE&SW PENSION FUND	BR1173	-	-	275224	803539	-	-	4	
SJRWMD	BR0485	-	-	280827	804014	285	103	4	
TARKE, GEORGE JR	BR1088	-	-	282617	804922	1500	-	6	
TOLEDO TRUST CO	BR0401	500	2203	282150	804858	-	-	6	8/27/87
TRICO GROVE	BR0023	3	701	275824	804134	-	-	4	REPAIRED 7/22/88
TRIO GROVE	BR0273	2.5	635	275835	804144	309	-	6	7/22/88
TRIO GROVE	BR0264	-	681	275822	804122	-	-	6	7/22/88
TRIO GROVE	BR0271	18	708	275835	804127	-	-	4	7/22/88
TRIO GROVE	BR0272	18	722	275835	804137	-	-	4	7/22/88
TUCKER	BR0716	-	1100	282032	804728	218	106	4	8/4/87
TUCKER	BR0715	-	863	282024	804721	267	108	4	8/4/87
TUCKER	BR0713	-	993	282013	804707	336	105	4	8/4/87
TUCKER	BR0717	-	1370	282039	804725	-	-	4	8/4/87
TUCKER	BR0714	-	1020	282013	804720	124	102	4	8/4/87
UNDETERMINED	BR0256	-	715	275351	804004	-	-	2	1984
UNDETERMINED	BR1102	-	-	280447	804001	-	-	2	
UNDETERMINED	BR1104	-	197	275224	802820	-	-	4	
UNDETERMINED	BR0255	-	734	275351	804004	333	-	3	3/9/84
UNDETERMINED	BR0254	-	732	275325	803916	-	-	2	PLUGGED
UNDETERMINED	BR1107	-	-	275919	803552	-	-	4	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
UNDETERMINED	BR0397	-	277	281548	804118	-	-	0	
UNDETERMINED	BR1091	6.5	661	281018	803714	-	-	4	
UNDETERMINED	BR0418	-	1510	282359	804234	204	-	3	
UNDETERMINED	BR0568	132	488	275954	804417	-	-	4	3/1/84
UNDETERMINED	BR0120	22	710	282330	803622	-	-	2	PLUGGED 7/31/89
UNDETERMINED	BR1000	-	650	280054	803407	-	-	0	
UNDETERMINED	BR1094	-	-	281745	803851	-	-	2	
UNDETERMINED	BR0428	0.2	578	281128	803748	-	-	2	
UNDETERMINED	BR0244	1.25	1122	281957	803952	-	-	2	
UNDETERMINED	BR1088	-	808	281909	804242	-	-	6	
UNDETERMINED	BR1001	-	440	280444	804345	299	82	2	CAPPED 1987
UNDETERMINED	BR0252	-	695	275321	803924	-	-	2	1985
VAN ORSDALE	BR0839	-	-	280949	803832	255	82	4	4/14/86
WALLACE, JAY	BR1093	-	-	281428	803918	-	-	2	
WEBER	BR0744	-	-	282019	804627	228	104	6	
WEBER	BR0478	-	-	282033	804634	300	91	4	
WEBER RANCH	BR1098	-	-	282040	804845	-	-	6	
WEBER RANCH	BR1097	-	-	282040	804621	-	-	3	
WEGERIF, E.L.	BR0710	-	-	281816	804053	-	-	6	
WILLIAMS, BELL	BR1072	-	-	280835	803854	-	-	4	
WILLIAMS, COOPER	BR1174	-	-	280319	803558	-	-	2	
WOODSON, J.W.	BR1178	-	-	280953	803841	-	-	2.5	
WOOTEN, WARREN	BR0398	-	1149	281552	804110	-	-	6	PLUGGED
<b>TOTALS</b>	<b>128</b>	<b>3772.5</b>							
<b>CLAY COUNTY</b>									
AMOCO	C-0402	-	9	300427	815151	-	-	2	
CASTLE, MARK	C-0433	-	-	300123	814232	-	-	0	4/4/86
DRIGGERS	C-0006	-	5	295144	813717	600	-	6	REPAIRED 12/18/86
FLORIDA SOLITE CO.	C-0271	5	-	300403	814544	-	-	0	VALVED
HORN, JOHN	C-0389	-	-	300517	814147	-	-	0	REPAIRED 7/19/90
IVEY, G.P.	C-0001	-	3.7	300048	814143	365	300	3	REPAIRED 8/13/88
JACKSON, JULIAN	C-0446	-	-	300308	815311	-	-	2	
JENNINGS	C-0010	50	17	300850	815520	330	300	3	REPAIRED 9/1/88
JENNINGS, BRYAN JR.	C-0377	-	4	300427	815038	-	-	3	CAPPED 2/6/89
JENNINGS, BRYAN JR.	C-0378	-	5	300427	815038	-	-	2	REPAIRED 2/6/89
JENNINGS, GAURDIAU	C-0432	-	-	300450	814543	-	-	3	PLUGGED 8/14/85

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
JIFFY	C-0012	5	7	300031	814141	-	-	3	REPAIRED 8/88
KNIEBES	C-0011	40	5	300030	814138	-	-	6	VALVED 8/22/86
NESITT, THOMAS	C-0445	-	-	300151	815148	-	-	4	
SILCOX, BILLY	C-0431	-	-	300533	814633	-	-	5	REPAIRED 8/21/86
STOKE	C-0008	5	15	300445	814855	-	-	6	10/17/86
THEOBALD, GEORGE	C-0468	-	-	300553	814603	-	-	4	
THEOBALD, GEORGE	C-0118	-	5	300551	814801	-	-	6	
THEOBALD, GEORGE	C-0374	-	-	300553	814603	-	-	4	8/7/88
UNDETERMINED	C-0376	-	-	300435	815217	-	-	3	
UNDETERMINED	C-0429	-	-	295664	813953	-	-	4	
UNDETERMINED	C-0401	-	-	300554	814528	-	-	0	
UNDETERMINED	C-0430	-	5	300801	814631	-	-	0	VALVED 8/6/90
<b>TOTALS</b>	<b>23</b>	<b>105</b>							
<b>DUVAL COUNTY</b>									
BRADOCK	D-1223	-	-	302945	814435	-	-	2	
CITY OF JAX.	D-2569	-	-	302744	814217	-	-	8	PLUGGED 4/88
DEVEVO	D-4586	-	-	301651	814357	-	-	8	
DUBOW, LAWRENCE	D-0436	5	30	301135	813413	-	-	3	VALVED 6/9/88
FORSYTHE, SANDY	D-4553	15	37	301924	812422	-	-	3	VALVED 10/7/87
GRAN CENTRAL CORP.	D-0689	40	36	300755	813057	-	-	3	REPAIRED 7/13/88
JAX INT AIRPORT	D-1222	-	-	302843	814051	-	-	4	REPAIRED 8/29/90
MCQUAIG, E.A	D-0695	-	24	300737	813004	-	-	3	VALVED 12/15/88
MHOON, G.A.	D-0692	70	33	302109	812840	-	-	3	CAPPED
RIVERSIDE GROUP	D-0691	25	22	302305	813654	-	-	0	PLUGGED 8/7/81
SCROGGINS, GEORGE	D-0427	30	-	301658	813404	-	-	3	VALVED 7/5/88
STATE OF FLORIDA	D-0434	75	32	302441	812534	737	450	4	PLUGGED 10/7/87
UNDETERMINED	D-1221	-	-	302847	814304	-	-	4	VALVED
UNDETERMINED	D-0428	20	25	302318	813647	-	-	6	PLUGGED 1980
UNDETERMINED	D-4583	-	-	303017	814153	-	-	3	
WINGATE, OWEN	D-1226	-	23	303103	813824	-	-	4	REPAIRED 8/24/90
<b>TOTALS</b>	<b>16</b>	<b>280</b>							
<b>FLAGLER COUNTY</b>									
PUBLIC DOMAIN	F-0239	-	-	292525	812530	-	-	2	
UNDETERMINED	F-0035	-	-	292521	812553	-	-	0	
<b>TOTALS</b>	<b>2</b>	<b>0</b>							

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
INDIAN RIVER COUNTY									
AMATO, FRANK	IR0488	-	-	273546	802529	-	-	6	REPAIRED
AUSTIN, BONNIE	IR0801	-	-	274550	803502	-	-	4	
BARATTA	IR0469	-	779	273525	802935	804	298	8	
BUFALO, JERRY	IR0803	-	-	274455	803140	-	-	4	
CROSS TRIANGLE INC	IR0802	-	-	274527	803855	-	-	6	
DERMONDY, H.M.	IR0800	-	-	273818	802548	-	-	0	
DOT	IR0809	-	-	273950	802418	-	-	6	
DOT	IR0508	-	-	274506	802558	-	-	0	VALVED 9/19/89
DOT	IR0608	-	-	274120	802445	-	-	3	
DOT	IR0807	-	-	274021	802426	-	-	2	
FISCHER, HENRY	IR0804	-	-	274632	802951	-	-	2	
GDC	IR0291	-	320	274719	802725	-	-	3	
GDC	IR0517	-	342	274531	802807	-	-	0	CAPPED 7/30/80
GRAVES BROS. CO.	IR0288	-	-	274448	802618	-	-	2	
HILL	IR0583	-	-	273832	802616	-	-	3	
HILL	IR0585	-	256	273820	802612	-	-	4	
HILL	IR0584	-	-	273820	802609	-	-	2	
INDIAN RIVER CO	IR0305	-	-	273404	802302	-	-	5	REPAIRED
INDIAN RIVER CO	IR0303	-	-	274408	803118	-	-	4	
INDIAN RIVER CO	IR0128	-	-	273850	802423	-	-	4	REPAIRED 9/18/88
I. R. COUNTY MC.	IR0249	150	294	275108	802642	-	-	4	REPAIRED
KRAFT, KURT H.	IR0145	-	580	273720	802256	-	-	6	
MIAMI GARDENS INC.	IR0493	-	-	274512	803119	-	-	0	VALVED 8/23/90
MILLER, ROLAND	IR0526	-	-	274626	803814	-	-	4	REPAIRED 11/3/89
PRINCE, KENNETH	IR0316	-	682	273815	804548	-	-	8	
PRINCE, KENNETH	IR0311	-	682	273825	804613	-	-	8	
RICHARDSON, CECIL	IR0598	-	-	273833	803000	-	-	4	
RICHTER, DARLA	IR0805	-	-	273848	802611	-	-	0	
RYALL GROVES	IR0601	-	-	274421	802823	-	-	2	
STRAZZULLA BROS	IR0143	-	600	273719	802256	-	-	6	
TAKAHO GROVES CORP	IR0575	-	-	274124	802911	-	-	4	
TANEN	IR0467	-	-	273722	802248	-	-	4	
TANER, NATHAN	IR0502	-	-	273727	802255	-	-	0	REPAIRED 7/19/88
TAYLOR, E.W.	IR0515	-	-	274851	802814	-	-	3	REPAIRED 5/2/89
TUERK, FRED	IR0034	2100	488	273747	803625	1110	158	10	REPAIRED

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
UNDETERMINED	IR0566	-	-	273818	802846	-	-	8	REPAIRED 8/7/90
UNDETERMINED	IR0500	-	-	274509	802650	-	-	0	REPAIRED 7/19/88
UNDETERMINED	IR0250	14	321	276111	802844	-	-	4	REPAIRED
UNDETERMINED	IR0198	-	180	273719	802258	941	333	6	
VAN CORTLAND CORP	IR0599	-	-	274413	802533	-	-	6	
VARA INTERNATIONAL	IR0606	-	-	273739	802316	-	-	2	
VERO BEACH FARMS	IR0185	-	610	274523	803042	-	-	6	VALVED
<b>TOTALS</b>	<b>42</b>	<b>2264</b>							
<b>LAKE COUNTY</b>									
ANDREWS	L-0333	-	784	290913	813133	-	-	2	
BELCH	L-0313	-	-	291110	813424	-	-	2	CHECKED 9/5/90
BELCH, JIM	L-0432	-	-	291140	813422	-	-	5	VALVED 10/15/85
COLLINGS, A.M. JR.	L-0080	300	1360	291027	813211	-	-	10	
HONGELL, CARL	L-0433	-	-	291109	813432	-	-	6	VALVED 10/15/85
J & P PROPERTILES	L-0085	-	-	290909	813125	-	-	2	
J & P PROPERTILES	L-0083	10	1023	290909	813123	-	-	2	
LUCAS, CURTIS	L-0310	-	-	290946	813230	-	-	2	
LUCAS, CURTIS	L-0429	-	1110	290947	813138	-	-	2	
PRICE, CLIFFORD	L-0081	40	410	291002	813127	-	-	4	REPAIRED 7/18/88
SJRWMD	L-0294	-	-	283958	814221	80	80	4	
SJRWMD	L-0296	-	-	284115	814205	80	80	4	
SMITH, NEAL	L-0431	-	-	283715	814045	-	-	4	
UNDETERMINED	L-0437	-	-	290938	813415	-	-	2	
UNDETERMINED	L-0201	-	11	284929	812949	-	-	10	REPAIRED 4/22/89
UNDETERMINED	L-0434	-	216	290940	813130	-	-	2	
UNDETERMINED	L-0438	-	-	290937	813412	-	-	3	
<b>TOTALS</b>	<b>17</b>	<b>350</b>							
<b>MARION COUNTY</b>									
COUNTY RIGHT OF WAY	M-0003	2	10	291102	815933	-	-	4	REPAIRED 10/3/88
FITZPATRICK, JOHN	M-0034	-	290	291730	813900	-	-	4	REPAIRED 5/30/89
FRANCIS	M-0282	-	-	291256	815908	-	-	0	
HEINEMANN, G.C.	M-0008	-	-	291743	813915	-	-	6	REPAIRED 10/3/88
MOODY, LARRY	M-0009	250	-	291738	813520	137	85	6	
MOODY, LARRY	M-0004	200	150	291749	813534	-	-	6	
MOODY, LARRY	M-0035	-	-	291738	813520	100	-	6	
PONDEROSA SHORES	M-0082	200	-	291717	813503	205	-	6	VALVED 2/4/87

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
PONDERROSA SHORES	M-0088	200	-	291727	813504	168	102	8	VALVED 2/4/87
SEISER, R.	M-0138	-	-	291752	813918	243	180	4	
SJRWMD	M-0235	-	-	290247	815110	-	-	4	REPAIRED 8/21/89
SJRWMD	M-0230	-	-	290121	814950	-	-	6	REPAIRED 8/21/89
SJRWMD	M-0240	-	-	285936	814959	-	-	4	REPAIRED 8/21/89
SJRWMD	M-0234	-	-	290001	814831	-	-	2	REPAIRED 8/21/89
SJRWMD	M-0232	-	-	285948	814958	-	-	0	REPAIRED 8/21/89
UNDETERMINED	M-0253	-	-	291750	813928	-	-	6	CAPPED 7/18/88
UNDETERMINED	M-0033	50	-	291740	813512	-	-	4	REPAIRED 10/5/88
USDA FOREST SER.	M-0161	-	-	292547	814711	165	92	4	CAPPED 2/23/89
USDA FOREST SER.	M-0297	-	-	292101	814359	-	-	2	
USDA FOREST SER.	M-0229	-	-	292101	814359	-	-	0	CAPPED 2/23/89
USDA FOREST SER.	M-0228	-	-	292101	814359	-	-	0	CAPPED 2/23/89
USDA FOREST SER.	M-0227	-	-	292101	814359	-	-	0	CAPPED 2/23/89
USDA FOREST SER.	M-0219	-	-	292102	814405	-	-	6	PLUGGED
VANCE, BILL	M-0002	-	-	292935	815510	65	-	4	
<b>TOTALS</b>	<b>24</b>	<b>902</b>							
<b>NASSAU COUNTY</b>									
COCHRAN, JAMES	N-0028	-	28	303810	814557	-	-	2	REPAIRED 8/18/88
JAX PROPERTIES	N-0191	-	-	303058	814734	-	-	3	
LIONS CLUB	N-0030	-	-	303541	814951	-	-	2	REPAIRED 9/80
MATANZAS PACKING CO	N-0032	-	25	303354	813120	-	-	0	CAPPED 9/4/90
WILDER	N-0107	10	30	303405	813118	550	480	3	REPAIRED 8/18/88
<b>TOTALS</b>	<b>5</b>	<b>10</b>							
<b>ORANGE COUNTY</b>									
CHURCH CORP	OR0527	13.67	-	282053	805532	-	-	6	
CITY OF ORLANDO	OR0079	-	375	283417	805948	-	-	0	
CITY OF ORLANDO	OR0521	-	-	283411	805945	-	-	0	
CITY RIGHT OF WAY	OR0013	15	134	283214	805834	-	-	2	
GROSSENBACHER, C.	OR0504	-	-	284805	813010	-	-	2	
MIDWAY FISH CAMP	OR0506	-	1800	283237	805602	480	-	4	
PEAKE, THOMAS	OR0505	-	-	283327	813820	-	-	4	
<b>TOTALS</b>	<b>7</b>	<b>28.67</b>							
<b>PUTNAM COUNTY</b>									
BATTAGLIA, GASPARE	P-0061	0	355	294110	813533	-	-	4	VALVED 10/25/88
CITY OF PALATKA	P-0131	-	-	293855	813826	-	-	4	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
DNR	P-0127	-	-	293801	813835	-	-	2	
ELDER	P-0112	-	-	294629	803559	-	-	4	VALVED 12/19/89
ELDRIDGE, LAWRENCE	P-0158	-	-	293418	813807	-	-	0	
FLORIDA EC RR	P-0152	-	-	293850	813804	-	-	2	
FULWOOD, PAUL	P-0154	-	-	294023	813700	-	-	4	
FULWOOD, PAUL	P-0055	20	285	294012	813851	-	-	4	
GARDNER, ROBERT	P-0110	-	-	294629	813828	-	-	4	
GREEN, STANTON	P-0133	-	-	293855	813744	-	-	4	
GRIFFIN, ANGEL	P-0714	-	-	293554	813823	-	-	4	
GULLEY, PAUL	P-0017	50	5	293439	815242	-	-	3	
HANCOCK, ADRIAN	P-0108	-	-	294721	813754	-	-	4	VALVED 12/19/89
HAROID	P-0159	-	-	294020	813714	-	-	4	
MEELEY, REED	P-0065	40	2408	292138	813751	-	-	4	REPAIRED 5/30/90
PADGET, JIM	P-0717	-	28	292549	813022	-	-	2	
PALATKA WATER WORKS	P-0141	-	-	293802	813832	-	-	6	MECH PLUG 4/13/90
PALATKA WATER WORKS	P-0140	-	-	293802	813831	-	-	6	MECH PLUG 4/13/90
PALATKA WATER WORKS	P-0139	-	-	293802	813830	-	-	6	MECH PLUG 4/13/90
PICKENS, KATHRYN	P-0082	-	-	292808	813022	-	-	6	
PICKENS, KATHRYN	P-0124	-	23	292808	813022	-	-	4	REPAIRED 9/90
PORT COVE MARINA	P-0701	-	-	292318	813818	-	-	3	
PUIG, RAFAEL	P-0058	60	155	294516	813456	-	-	6	VALVED 5/3/90
RAVINE GARDENS	P-0458	-	23	293805	813852	-	-	2	SPRING
RAVINE GARDENS	P-0456	-	138	293750	813850	-	-	4	SPRING
RAVINE GARDENS	P-0459	-	29	293806	813853	-	-	2	SPRING
RAVINE GARDENS	P-0455	-	144	293750	813851	-	-	4	SPRING
RAVINE GARDENS	P-0454	-	125	293750	813853	-	-	4	SPRING
RAVINE GARDENS	P-0457	-	22	293754	813846	-	-	2	SPRING
RAVINE GARDENS	P-0084	-	20	293758	813840	-	-	2	SPRING
RAVINE GARDENS	P-0085	-	23	293458	813839	-	-	2	SPRING
RENCHOFF, HARLAND	P-0702	-	-	292315	813830	-	-	1.5	
REVEL, ROBERT	P-0453	-	540	293957	813408	-	-	4	9/28/88
SHIRLEY, BETTY	P-0109	-	-	294534	813613	-	-	4	VALVED 12/19/89
SJRWMD	P-0128	-	-	293004	814436	186	90	4	
ST JOHNS RIVERSIDE	P-0053	15	195	293531	813741	-	-	3	
STILLWELL, THOMAS	P-0568	50	182	293856	813543	-	-	3	
STONE, JOHN	P-0155	-	-	294250	813247	-	-	6	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SUGGS IR MD	P-0703	-	-	292600	813021	-	-	2	
THOMPSON, GERALD	P-0107	-	69	294905	813626	-	-	0	
TILTON	P-0452	-	671	294010	813429	-	-	4	11/7/89
TOMAZIEFSKI, R.	P-0180	-	-	292553	803032	-	-	2	
UNDETERMINED	P-0720	-	142	293900	813746	-	-	6	
UNDETERMINED	P-0708	-	-	293943	813650	-	-	4	
UNDETERMINED	P-0699	-	21	292552	813025	-	-	2	
UNDETERMINED	P-0620	-	-	294017	813711	-	-	4	
UNDETERMINED	P-0707	-	-	294906	813619	-	-	4	
UNDETERMINED	P-0723	-	-	292518	813850	-	-	3	
UNDETERMINED	P-0136	-	-	293914	813854	-	-	0	REPAIRED 5/29/90
UNDETERMINED	P-0137	-	-	293853	813720	-	-	0	REPAIRED 5/29/90
UNDETERMINED	P-0059	25	180	293942	813612	-	-	4	REPAIRED 9/26/88
UNDETERMINED	P-0089	-	47	292748	813111	-	-	0	REPAIRED 3/8/90
UNDETERMINED	P-0111	-	-	294628	813658	-	-	4	VALVED 9/25/90
UNDETERMINED	P-0113	-	-	294609	813603	-	-	6	
UNDETERMINED	P-0135	-	-	293850	813801	-	-	0	REPAIRED 5/29/90
UNDETERMINED	P-0419	15	95	294145	813723	-	-	2	REPAIRED 9/26/88
UNDETERMINED	P-0161	-	178	293849	813735	-	-	4	
UNDETERMINED	P-0138	-	47	293842	813836	-	-	0	REPAIRED 5/26/90
UNDETERMINED	P-0142	-	-	292537	813846	-	-	3	
UNDETERMINED	P-0156	-	-	294232	820241	-	-	0	
UNDETERMINED	P-0157	-	-	294232	820241	187	-	2	
VON SCHEELE CO	P-0700	-	-	294336	815622	-	-	6	
WHITEHEAD	P-0463	-	-	293707	813647	246	142	4	7/12/90
WHITE, NAOMI	P-0153	-	-	293930	813600	-	-	2	
WRIGHT, GEORGE	P-0718	-	-	294249	813134	-	-	4	
<b>TOTALS</b>	<b>65</b>	<b>275</b>							
<b>ST. JOHNS COUNTY</b>									
ARNOLD, JACK	SJ0008	-	-	295552	813317	-	-	4	
CATHOLIC CHURCH	SJ0693	-	301	294252	812954	-	-	4	
CHEVRON U.S.A.	SJ0217	-	69	295330	811759	-	-	6	
DAVIS, J.E.	SJ0521	-	-	300405	812316	-	-	3	VALVED 7/84
DOT	SJ0560	-	168	295410	811845	-	-	6	
FAULKNER, MICHAEL	SJ0598	-	-	300753	812313	-	-	4	CAPPED 2/83
FRAZIER	SJ0018	-	-	300053	813508	-	-	4	REPAIRED

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
GREEN, STEVE	SJ0182	-	110	295514	811959	1500	-	4	REPAIRED
GUANO WILDLIFE MGT.	SJ0122	188	36	300533	812105	-	-	4	REP./PERMITTED
GULF STREAM LAND	SJ0508	50	7	300338	813839	-	-	4	REPAIRED
HALLS NURSERY	SJ0015	-	23	295629	813341	-	-	4	REPAIRED
HARRIS, NICK	SJ0689	-	-	295250	811858	-	-	6	
HARRIS, NICK	SJ0692	-	-	295247	811853	-	-	5	
HASTINGS MANOR LTD	SJ0220	-	-	294244	813018	-	-	8	
JOHNS, DANNY	SJ0181	-	-	294014	812927	-	-	4	
LANGLEY, JAMES	SJ0529	-	-	294101	812904	-	-	6	REPAIRED
MILLER, ALLEN	SJ0567	20	-	294154	813016	-	-	4	CAPPED 4/8/83
PUBLIC DOMAIN	SJ0518	-	-	295144	811556	-	-	6	
ROBINSON, BEN	SJ0531	-	39	295114	812949	-	-	4	
ST JOHNS R OF WAY	SJ0513	50	45	295457	812643	348	130	4	
TUGGEL	SJ0006	-	-	295636	813222	-	-	0	REPAIRED
UNDETERMIND	SJ0509	66	100	300355	812309	-	-	4	VALVED 8/7/90
UNDETERMINED	SJ0688	-	-	300118	811922	-	-	2	
UNDETERMINED	SJ0687	-	-	300548	812026	-	-	2	
UNDETERMINED	SJ0569	10	67	295638	812014	-	-	0	REPAIRED 1988
UNDETERMINED	SJ0695	-	-	294043	812819	-	-	0	
UNDETERMINED	SJ0514	-	20	300738	812304	-	-	6	REPAIRED
UNDETERMINED	SJ0240	-	20	300839	812322	-	-	4	
UNDETERMINED	SJ0506	30	54	295846	812638	-	-	4	
UNDETERMINED	SJ0238	-	-	294807	812723	270	-	4	
UNDETERMINED	SJ0239	-	-	295702	812954	-	-	6	REPAIRED 9/13/90
UNDETERMINED	SJ0563	-	-	294154	813048	-	-	2	REPAIRED
UNDETERMINED	SJ0505	60	3500	295751	812653	-	-	4	
UNDETERMINED	SJ0530	-	-	294052	812906	-	-	6	
UNDETERMINED	SJ0510	10	160	295506	811909	-	-	6	REPAIRED 1981
UNDETERMINED	SJ0519	-	73	295539	811744	-	-	6	
UNDETERMINED	SJ0696	-	-	295313	811904	-	-	5	
<b>TOTALS</b>	<b>37</b>	<b>484</b>							
<b>SEMINOLE COUNTY</b>									
AIRE, C.M.	S-0743	-	-	284123	811241	-	-	2	
BASS	S-0613	-	-	284905	811908	-	-	2.5	
BASS	S-0612	-	-	284919	811902	-	-	2	REPAIRED 8/10/89
BBW QUALITY GROWERS	S-0258	-	-	284134	811050	-	-	0	REPAIRED 2/9/89

WELL OWNER	WELL ID	FLOW GPM	CL FPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
BBW QUALITY GROWERS	S-0549	-	-	284134	811052	-	-	0	REPAIRED 2/9/89
BROWN, GEORGE	S-0671	-	509	284808	811339	-	-	2	REPAIRED 4/1/89
BROWN, GEORGE	S-0675	-	484	284820	811332	-	-	2	REPAIRED 4/1/89
BROWN, GEORGE	S-0676	-	478	284807	811332	-	-	1.5	REPAIRED 4/1/89
BROWN, GEORGE	S-0688	-	538	284817	811333	-	-	2	REPAIRED 4/1/89
BROWN, GEORGE	S-0687	-	544	284819	811333	-	-	2	REPAIRED 4/1/89
BURGOON, RICHARD	S-0746	-	-	284157	811131	-	-	0	
CAMERON CITY GRV	S-0513	0	-	284550	811248	-	-	6	
CARR D. TRUSTEE	S-0795	-	-	284901	811821	-	-	0	PLUGGED 11/14/85
CARR D. TRUSTEE	S-0794	-	-	284901	811821	-	-	0	PLUGGED 11/4/85
CARR D. TRUSTEE	S-0793	-	-	284901	811821	-	-	0	PLUGGED 11/4/85
CLARENCE, REX	S-0757	-	-	284207	811159	-	-	6	REPAIRED 9/19/90
CLARENCE, REX	S-0748	-	-	284207	811158	-	-	4	REPAIRED 9/18/90
COMMONWEALTH ENG	S-0784	-	-	283855	811038	-	-	0	
DEKLE, HAROLD	S-0767	-	-	284822	811828	-	-	2	
FARNAR & GREENLEE	S-0763	-	-	284840	811930	-	-	0	REPAIRED 1986
HAUSER	S-0737	-	599	284155	811133	-	-	3	
JACOBS	S-0742	-	-	284122	811245	-	-	2	
KING, AJ	S-0750	-	370	284201	811235	-	-	3	REPAIRED 9/18/90
KING, AJ	S-0752	-	-	284201	811228	-	-	4	REPAIRED 9/18/90
KING, AJ	S-0751	-	407	284201	811234	-	-	4	REPAIRED 9/18/90
KIRCHHOFF, BILL	S-0565	-	344	284857	811803	-	-	2	
KIRCHHOFF, BILL	S-0562	-	406	284905	811803	-	-	3	
LITTLE, LORENE	S-0781	-	-	284524	811205	-	-	0	
LUGO, ELPIDIO	S-0259	-	-	284143	811117	-	-	4	
MARONDA HOMES	S-0600	-	-	284915	811927	-	-	3	REPAIRED 7/12/88
MARONDA HOMES	S-0161	-	-	284918	811919	-	-	2.5	CAPPED 12/19/88
MCKINNEY	S-0518	0	-	284849	812023	-	-	2	
MERIWETHER	S-0574	-	563	284753	811326	-	-	0	VALVED 8/8/89
NELSON AND CO.	S-0791	-	-	284303	811133	-	-	4	
NUTTING, CHARLES	S-0766	-	-	284037	811005	-	-	1.5	VALVED 6/21/83
PALM RANCH	S-0783	-	-	284717	811244	-	-	0	
PALM RANCH	S-0782	-	-	284717	811244	-	-	0	
PARKER, MERLE	S-0061	-	-	284400	811624	-	-	0	CAPPED 7/31/90
QUATTLEBAUM, MILTON	S-0059	-	191	284153	811014	-	-	6.5	1985
REHRENS, GERALD	S-0759	-	532	284856	811854	-	-	2.5	

WELL OWNER	WELL ID	FLOW GPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
SCHURIMSHER LD.	S-0788	-	-	284203	811535	-	-	2	
SEMINOLE COUNTY	S-0773	-	-	273823	811451	-	-	0	
SEMINOLE CO. RD DEP.	S-0537	0	965	284155	811049	-	-	4	
SEMINOLE CO. RW	S-0679	-	-	284623	811236	-	-	2	
SNYDER, KENNETH	S-0082	-	489	284400	811820	-	-	4.5	VALVED 12/3/85
U OF FLA IFAS	S-0503	68.6	-	284815	811400	-	-	3	REPAIRED 1989
UNDETERMINED	S-0790	-	-	284922	811911	-	-	2	
UNDETERMINED	S-0769	-	-	284732	811422	-	-	2.5	REPAIRED 9/19/90
UNDETERMINED	S-0775	-	-	284420	811526	-	-	3	REPAIRED 9/19/90
UNDETERMINED	S-0115	-	-	284222	812616	-	-	2	REPAIRED 8/10/88
UNDETERMINED	S-0771	-	-	284360	811827	-	-	3	CAPPED 9/19/90
UNDETERMINED	S-0753	-	-	284130	811202	-	-	2.5	REPAIRED 9/19/90
UNDETERMINED	S-0756	-	-	284827	811809	-	-	3	REPAIRED 9/19/90
UNDETERMINED	S-0761	-	-	284919	811740	-	-	2	REPAIRED 9/19/90
UNDETERMINED	S-0768	-	-	284728	811320	-	-	2	REPAIRED 9/19/90
UNDETERMINED	S-0765	-	-	284848	811855	-	-	3	REPAIRED 9/20/90
UNDETERMINED	S-0749	-	-	284320	811121	-	-	4	REPAIRED 9/18/90
UNDETERMINED	S-0758	-	-	284838	811842	-	-	2	REPAIRED 9/19/90
UNDETERMINED	S-0735	-	774	284155	811045	-	-	2	
UNDETERMINED	S-0780	-	-	284825	814808	-	-	3	REPAIRED 9/19/90
UNDETERMINED	S-0782	-	419	284150	811219	-	-	6	REPAIRED 9/19/90
VAN NESS	S-0528	0	-	284832	811749	-	-	1.5	
WATSON, JOE	S-0854	-	-	284736	811259	-	-	0	
WATSON, JOE	S-0652	-	-	284748	811255	-	-	0	
WATSON, JOE	S-0653	-	-	284753	811259	-	-	0	
WEAVER, DONALD	S-0745	-	-	284156	811141	-	-	4	
<b>TOTALS</b>	<b>66</b>	<b>68.6</b>							
<b>VOLUSIA COUNTY</b>									
FEISER DAIRY	V-0497	-	13	290917	812222	-	-	4	REPAIRED 10/27/88
LANDRETH	V-0495	8	-	285806	810614	-	-	2	CAPPED 10/29/87
MOWERY, WILLIAM	V-0509	-	-	290928	812206	-	-	0	REPAIRED 7/31/90
PEARSON, J.E.	V-0059	1	30	295621	810538	-	-	1	VALVED 7/31/90
PEARSON, J.E.	V-0060	1	67	295621	810538	-	-	2	REPAIRED 11/1/88
SJRWD	V-0065	-	13	291508	813028	180	97	4	REPAIRED 2/6/89
TOMPKINS-LEASEE	V-0074	-	-	290915	812157	-	-	4	
VADNAIS, ARMAND	V-0534	-	12	291727	812901	-	-	4	

WELL OWNER	WELL ID	FLOW QPM	CL PPM	LATITUDE	LONGITUDE	TOTAL DEPTH	CASED DEPTH	WELL DIAM	COMMENTS
VADNAIS, ARMAND	V-0096	-	12	291726	812854	180	-	4	
VOLUSIA COUNTY	V-0182	6	-	290134	805727	-	-	2	
WEBSTER, TOM	V-0213	-	38	290930	812302	145	143	2	REPAIRED 8/14/80
<b>TOTAL</b>	<b>11</b>	<b>16</b>							
<b>GRAND TOTALS</b>	<b>443</b>	<b>8586</b>							