

Technical Publication SJ93-1

**AQUIFER CHARACTERISTICS IN THE
ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT, FLORIDA**

by

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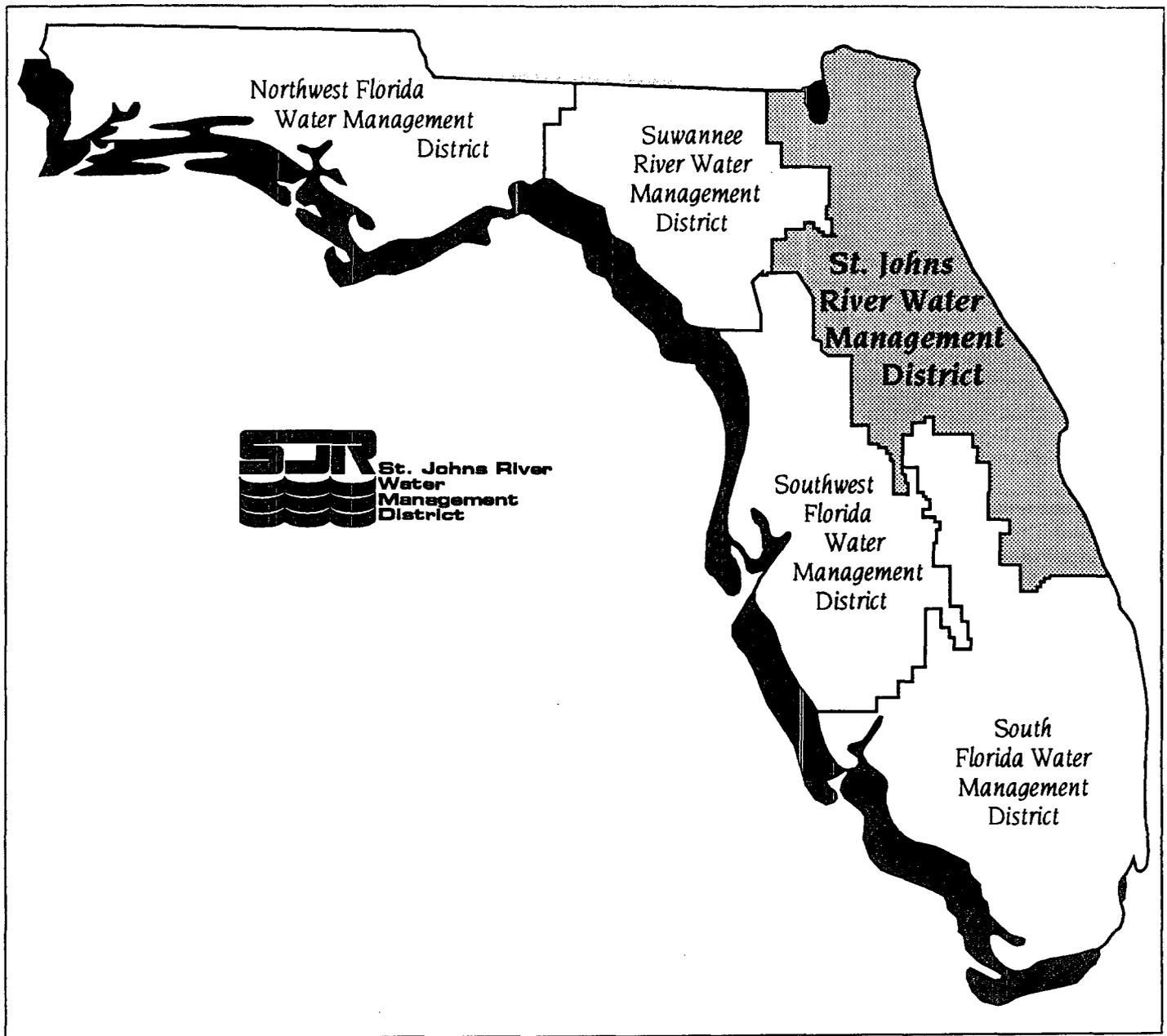
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Seal

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Palatka, Florida

1993



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 part 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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CONTENTS

INTRODUCTION 1

TABLE ORGANIZATION 3

TABLES 7

 Alachua County, Florida 8

 Brevard County, Florida 10

 Clay County, Florida 64

 Columbia County, Florida 70

 Duval County, Florida 76

 Flagler County, Florida 96

 Camden County, Georgia 120

 Indian River County, Florida 122

Lake County, Florida	135
Marion County, Florida	148
Nassau County, Florida	163
Orange County, Florida	174
Osceola County, Florida	202
Polk County, Florida	228
Putnam County, Florida	240
St. Johns County, Florida	262
Seminole County, Florida	314
Sumter County, Florida	350
Volusia County, Florida	352
References	486
Map Pocket	

INTRODUCTION

This report is a collection of the results of aquifer performance tests in and close to the St. Johns River Water Management District (SJRWMD). This report compiles baseline data that can be used to help predict the responses of the aquifer to pumping in a particular area or to refine the aquifer characteristics used to develop ground water flow models. It is intended as a reference guide to aquifer performance tests.

Inclusion of aquifer performance test information in this report does not mean that SJRWMD has found the test results accurate and acceptable. The user of the report should review the details of each test to determine for himself the value of the test results.

The data contained in this report come from a number of sources: published U.S. Geological Survey (USGS) reports, Florida Bureau of Geology (FBG) reports, Consumptive Use Permit (CUP) applications on file with SJRWMD and other water management districts, and reports published by consulting engineers. Literature available up to 1992 was researched.

The report does not contain an evaluation of the aquifer performance tests or the methods of interpretation applied. Some of the tests have insufficient information to allow for an assessment of the quality of the data. Users of this report are cautioned to review the individual pump test and the aquifer parameters obtained before applying these values to their work.

The information used to compile this report is available at SJRWMD headquarters in Palatka, Florida. Those aquifer performance test numbers having a CUP reference are on file in the Division of Permit Data Services, Department of Resource Management at SJRWMD headquarters in Palatka.

TABLE ORGANIZATION

The information used to compile this report has been reduced into a series of tables containing data from aquifer tests. Each table includes at least two pages. The first page gives general information about the test and the test production well, and the second page gives information about the observation wells and the results of the test, as reported in the referenced document.

Each aquifer test site is identified by an aquifer performance test site number (see map pocket). The test sites are grouped and numbered by county. Each site number begins with a county abbreviation. The tables are arranged by these site numbers, with counties presented alphabetically. The county abbreviations used are the following.

Abbreviations

AL Alachua	IR Indian River	PK Polk
BV Brevard	LK Lake	PT Putnam
CL Clay	MR Marion	SJ St. Johns
CO Columbia	NS Nassau	SM Seminole
DU Duval	OR Orange	SU Sumter
FL Flagler	OS Osceola	VL Volusia
GA Camden*		

*This is a county in Georgia. All other counties are in Florida.

Blanks in any column of the table indicate lack of information. Headings from the tables that are not self-explanatory are explained below.

GENERAL INFORMATION ABOUT THE TEST WELLS

Section, Township, Range

All township and range numbers are south and east of the Tallahassee Base Lines unless they are marked differently (e.g., for aquifer performance test number NS1 the township is north of the Tallahassee Base Line and marked 03N).

Latitude-Longitude

Values are provided for accurate location of sites in an area where these are known. When they are not known, no value is given. Six digit numbers identify degrees, minutes, and seconds. Where seconds were not given in the referenced report, latitudes and longitudes are four digit numbers, identifying degrees and minutes only.

Aquifer Tested

The *aquifer tested* information identifies which of the three aquifers in SJRWMD are penetrated by the test well: the Floridan aquifer, intermediate/secondary artesian aquifer, or surficial aquifer system.

Reference

The reference identifies the report from which the test results were taken.

INFORMATION ABOUT THE TEST PRODUCTION WELL

On the first page of each two page table, test production well (TPW) parameters are listed.

Well I.D. Number

The well identification number (I.D.) can be one of three types, as outlined below.

- The USGS 15-digit numbering system is used when available: the first six digits denote the degrees, minutes, and seconds of latitude, the next digit is a 0 for a divider, the next six digits denote degrees, minutes, and seconds of longitude, followed by a point and the last two digits, which identify the wells within a one-second grid. For example: 2905320812135.01 is 29°05'32" latitude, 081°21'35" longitude, well number 1.

- The FBG 9 or 10 digit numbering system: the first three digits denote the last digit of the degree plus two digits of the minutes latitude, followed by a dash, the second three digits denote the last digit of the degree plus two digits of minutes longitude, followed by a dash, and the last digit or two digits identify the well within a one minute grid. For example: 814-143-1 is 28°14' latitude, 81°43' longitude, well number 1.
- A simple one or two digit number or other coding not mentioned above is a local well I.D. number from the referenced report. Some reports had both local numbers and USGS or FBG numbers. In this case, both are given.

When there are two well I.D. numbers for the test production well, the local number is in parentheses.

Aquifer Penetration

Aquifer penetration is the length of aquifer material from which the well is withdrawing water. This figure may be equal to the *open hole* value or the *screened interval* value.

Open Hole or Screened Interval

Wells that penetrate the Floridan aquifer usually have *open hole* values, and wells that penetrate the surficial aquifer or the intermediate aquifer usually have *screened interval* values.

Total Depth

The total depth for wells penetrating the Floridan aquifer should be the casing length plus the open hole length.

Discharge

The discharge rate, in gallons per minute (gpm), is the rate at which the pumped well discharged during the aquifer performance test.

INFORMATION ABOUT THE OBSERVATION WELLS

The following general information about each observation well is listed: radial distance from the test production well, casing length and diameter, and total depth. Aquifer penetration, open hole, and screened interval are interpreted in the same manner as outlined in the TPW section.

Aquifer Coefficients

Transmissivity. Transmissivity (T) is the rate at which water is transmitted through a unit width of an aquifer under a unit hydraulic gradient in gallons per day per foot (gal/d ft) (Lohman 1979). Other studies have reported T in other units. For consistency, all units have been converted to gal/d ft.

Leakance. Leakance is defined by Hantush (1956) as the rate of "flow that crosses a unit area of the interface between the main aquifer and its semi-confining bed." The difference between the head of the main aquifer and the head of the source supplying leakage is one unit.

Leakance is measured in gallons per day per foot cubed (gal/d ft³) and equals K'/b' where K' is the vertical hydraulic conductivity and b' is the thickness of the confining bed through which leakage occurs.

Storage Coefficient. Storage is the volume of water an aquifer releases from or takes into storage per unit surface area of the aquifer per unit change in head. The storage coefficient is dimensionless (Lohman 1979).

Analytical Method. The analytical method describes the technique or computation applied in the analysis of the aquifer test results. The reference indicated on the first page of each table should contain more detailed information about the analysis, unless otherwise stated.

TABLES

AQUIFER PERFORMANCE TEST NUMBER: AL1

General		<u>Test Production Well (TPW)</u>	
County:	Alachua	Well I.D. number:	942-216-2
Section, Township, Range:	13,09,20	Casing length (ft):	160
Latitude/Longitude:	2942/8216	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	190
Test performed for:		Aquifer penetration (ft):	200
Test performed by:		Total depth (ft):	350
Date of test:		Screened interval (ft):	
Length of test:	7.7 hours	Discharge (gpm):	350
Reference:	Clark et al. 1964		

AQUIFER PERFORMANCE TEST NUMBER: AL1

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 160,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Recovery. Twenty-three specific capacities are available.

AQUIFER PERFORMANCE TEST NUMBER: BV1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	1
Section, Township, Range:	11,30,36	Casing length (ft):	240
Latitude/Longitude:	2753/8041	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	285
Test performed for:	Willowbrook Farms (James Sartouri)	Aquifer penetration (ft):	285
Test performed by:	Pierson Drilling Corp.	Total depth (ft):	525
Date of test:	5/7/83	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	820
Reference:	Pierson Drilling Corp. 1983 CUP No. 2-009-0033		

AQUIFER PERFORMANCE TEST NUMBER: BV1

Observation Wells

Well I.D. number:	<u>2</u>	<u>3</u>	<u>1 (TPW)</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>310</u>	<u>2,500</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>240</u>	<u>240</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>10</u>	<u>10</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>200</u>	<u>200</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>200</u>	<u>200</u>	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>440</u>	<u>440</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Other: Drawdown and recovery data are available for observation wells 2 and 3.

Aquifer Coefficients

Transmissivity (gal/d ft):	_____	_____	<u>1,273,411</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Type-curve matching

AQUIFER PERFORMANCE TEST NUMBER: BV2

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	847-051-4
Section, Township, Range:	06,20,35	Casing length (ft):	84
Latitude/Longitude:	2847/8051	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	46
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	130
Date of test:	1/15/58	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	90
Reference:	Brown et al. 1962a, 1962b		

AQUIFER PERFORMANCE TEST NUMBER: BV2

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>847-051-1</u>	<u>847-051-2</u>	<u>847-051-3</u>	<u>847-051-5</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Distance from TPW (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other:	Observation well details are not furnished in reference document.								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>300,000</u>	<u> </u>							
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>8x10⁻⁴</u>	<u> </u>							

Analytical method: The corrected drawdowns for the observation wells were analyzed by the Theis graphical method.

AQUIFER PERFORMANCE TEST NUMBER: BV3

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	2751190804824.01 (5)
Section, Township, Range:	22,30,35	Casing length (ft):	111
Latitude/Longitude:	275119/804824	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	483
Test performed for:		Aquifer penetration (ft):	344
Test performed by:		Total depth (ft):	594
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	282
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: BV3

Observation Wells

Well I.D. number:	(TPW)	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	74,800	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV4

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	2757250804127.01 (13)
Section, Township, Range:	14,29,36	Casing length (ft):	120
Latitude/Longitude:	275725/804127	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	338
Test performed for:		Aquifer penetration (ft):	236
Test performed by:		Total depth (ft):	458
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	198
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: BV4

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>37,400</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV5

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number: 2757380805210.01 (14)
Section, Township, Range:	18,29,35	Casing length (ft): 114
Latitude/Longitude:	275738/805210	Casing diameter (in): 6
Aquifer tested:	Floridan	Open hole length (ft): 581
Test performed for:		Aquifer penetration (ft): 435
Test performed by:		Total depth (ft): 695
Date of test:		Screened interval (ft):
Length of test:		Discharge (gpm): 120
Reference:	Planert and Aucott 1985	

AQUIFER PERFORMANCE TEST NUMBER: BV5

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 59,840 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV6

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	2758310805135.01 (15)
Section, Township, Range:	07,29,35	Casing length (ft):	118
Latitude/Longitude:	275831/805135	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	370
Test performed for:		Aquifer penetration (ft):	323
Test performed by:		Total depth (ft):	523
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	220
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: BV6

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other:

Aquifer Coefficients

Transmissivity (gal/d ft): 59,840 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV7

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	2806580804651.01 (25)
Section, Township, Range:	23,27,35	Casing length (ft):	84
Latitude/Longitude:	280658/804651	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	168
Test performed for:		Aquifer penetration (ft):	97
Test performed by:		Total depth (ft):	252
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	338
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: BV7

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>67,320</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV8

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	2807460805016.01 (26)
Section, Township, Range:	20,27,35	Casing length (ft):	
Latitude/Longitude:	280746/805016	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	29
Test performed for:		Aquifer penetration (ft):	29
Test performed by:		Total depth (ft):	213
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	214
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: BV8

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 37,400 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV9

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	2808110805144.01 (27)
Section, Township, Range:	18,27,35	Casing length (ft):	
Latitude/Longitude:	280811/805144	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	197
Test performed for:		Aquifer penetration (ft):	197
Test performed by:		Total depth (ft):	432
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	214
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: BV9

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>59,840</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV10

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	2809470805134.01 (31)
Section, Township, Range:	06,27,35	Casing length (ft):	105
Latitude/Longitude:	280947/805134	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	430
Test performed for:		Aquifer penetration (ft):	340
Test performed by:		Total depth (ft):	535
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	142
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: BV10

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>22,440</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: BV11

General

Test Production Well (TPW) *

County:	Brevard	Well I.D. number:
Section, Township, Range:	03,29,38	Casing length (ft):
Latitude/Longitude:	2759/8032	Casing diameter (in):
Aquifer tested:	Surficial	Open hole length (ft):
Test performed for:	Aquarina Beach Community Development	Aquifer penetration (ft):
Test performed by:	Post, Buckley, Schuh & Jernigan, Inc.	Total depth (ft):
Date of test:		Screened interval (ft):
Length of test:		Discharge (gpm):
Reference:	Post, Buckley, Schuh & Jernigan, Inc. 1981 CUP No. 2-009-0014	

* No data given on pump well

AQUIFER PERFORMANCE TEST NUMBER: BV11

Observation Wells

Well I.D. number:	<u> * </u>	<u> </u>	<u> ** </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Distance from TPW (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other:	Horizontal permeability 340 gal/d ft ² * Fifteen split spoon borings to 15 ft depth ** Six Shelby tube borings to 30 ft depth								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u> 10,506 </u>	<u> averages </u>	<u> 14,587 </u>	<u> </u>					
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Analytical method:	Estimated permeability tests								

AQUIFER PERFORMANCE TEST NUMBER: BV12

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	2
Section, Township, Range:	03,29,38	Casing length (ft):	305
Latitude/Longitude:	2759/8032	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	107
Test performed for:	Aquarina Beach Community Development	Aquifer penetration (ft):	122
Test performed by:	Post, Buckley, Schuh & Jernigan, Inc.	Total depth (ft):	412
Date of test:	5/8/81	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	632
Reference:	Post, Buckley, Schuh & Jernigan, Inc. 1981 CUP No. 2-009-0014		

AQUIFER PERFORMANCE TEST NUMBER: BV12

Observation Wells

	1	Mosquito	Control	1					
Well I.D. number:									
Distance from TPW (ft):	339.33	1,488.5							
Casing length (ft):	320	175*							
Casing diameter (in):	10	4							
Open hole length (ft):	105	184							
Aquifer penetration (ft):	135	180							
Total depth (ft):	425	480							
Screened interval (ft):									

Other: * From about 175 ft to 296 ft, there is a temporary liner.
 Mosquito Control well: 000 ft—undifferentiated, 100 ft—Hawthorn, 300 ft—Suwanee formations.

Aquifer Coefficients

Transmissivity (gal/d ft):	188,110	190,580	206,920	150,880					
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	$\frac{1.32 \times 10^{-3}}{(a)}$	$\frac{6.4 \times 10^{-4}}{(a)}$	$\frac{1.35 \times 10^{-3}}{(b)}$	$\frac{2.17 \times 10^{-3}}{(b)}$					

Analytical method: (a) Type-curve solutions or non-steady state flow within a confined aquifer (Lohman 1979)
 (b) Recovery

AQUIFER PERFORMANCE TEST NUMBER: BV13

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	23
Section, Township, Range:	26,28,37	Casing length (ft):	60
Latitude/Longitude:	2801/8036	Casing diameter (in):	6
Aquifer tested:	Surficial artesian Anastasia and upper Tamiami formations Port Malabar	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	103
Test performed by:	Engineering Science, Inc.	Total depth (ft):	103
Date of test:		Screened interval (ft):	40
Length of test:	6-24 hours plus recovery	Discharge (gpm):	229
Reference:	Engineering Science, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: BV13

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>16,000</u>	<u>15,000</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)						

Analytical method: (a) Calculated using the short time (10-100 minutes) pump data and Cooper and Jacob (1946)
 (b) Theis recovery

AQUIFER PERFORMANCE TEST NUMBER: BV14

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	24
Section, Township, Range:	26,28,37	Casing length (ft):	60
Latitude/Longitude:	2801/8036	Casing diameter (in):	6
Aquifer tested:	Surficial artesian Anastasia and upper Tamiami formations	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	95
Test performed by:	Engineering Science, Inc.	Total depth (ft):	95
Date of test:		Screened interval (ft):	30
Length of test:	6-24 hours plus recovery	Discharge (gpm):	118
Reference:	Engineering Science, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: BV14

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>11,000</u>	<u>9,600</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)							

Analytical method: (a) Calculated using the short time (10-100 minutes) pump data and Cooper and Jacob (1946)
 (b) Theis recovery

AQUIFER PERFORMANCE TEST NUMBER: BV15

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	28
Section, Township, Range:	26,28,37	Casing length (ft):	60
Latitude/Longitude:	2801/8036	Casing diameter (in):	6
Aquifer tested:	Surficial artesian Anastasia and upper Tamiami formations	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	115
Test performed by:	Engineering Science, Inc.	Total depth (ft):	115
Date of test:		Screened interval (ft):	60-95; 102-112
Length of test:	6-24 hours plus recovery	Discharge (gpm):	129
Reference:	Engineering Science, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: BV15

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>17,000</u>	<u>10,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)							

Analytical method: (a) Calculated using the short time (10-100 minutes) pump data and Cooper and Jacob (1946)
 (b) This recovery

AQUIFER PERFORMANCE TEST NUMBER: BV16

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	49
Section, Township, Range:	26,28,37	Casing length (ft):	60
Latitude/Longitude:	2801/8036	Casing diameter (in):	6
Aquifer tested:	Surficial artesian Anastasia and upper Tamiami formations	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	97.5
Test performed by:	Engineering Science, Inc.	Total depth (ft):	97.5
Date of test:		Screened interval (ft):	60-80; 85-95
Length of test:	6-24 hours plus recovery	Discharge (gpm):	150
Reference:	Engineering Science, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: BV16

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>19,000</u>	<u>20,000</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)						

Analytical method: (a) Calculated using the short time (10-100 minutes) pump data and Cooper and Jacob (1946)
 (b) Theis recovery

AQUIFER PERFORMANCE TEST NUMBER: BV17

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	47
Section, Township, Range:	27,28,37	Casing length (ft):	60
Latitude/Longitude:	2801/8036	Casing diameter (in):	6
Aquifer tested:	Surficial artesian Anastasia and upper Tamiami formations	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	98
Test performed by:	Engineering Science, Inc.	Total depth (ft):	98
Date of test:		Screened interval (ft):	35
Length of test:	6-24 hours plus recovery	Discharge (gpm):	243
Reference:	Engineering Science, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: EV17

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,000</u>	<u>18,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)							

Analytical method: (a) Calculated using the short time (10-100 minutes) pump data and Cooper and Jacob (1946)
 (b) Theis recovery

AQUIFER PERFORMANCE TEST NUMBER: BV18

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	52
Section, Township, Range:	27,28,37	Casing length (ft):	58
Latitude/Longitude:	2801/8037	Casing diameter (in):	6
Aquifer tested:	Surficial artesian Anastasia and upper Tamiami formations	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	96
Test performed by:	Engineering Science, Inc.	Total depth (ft):	96
Date of test:		Screened interval (ft):	35
Length of test:	6-24 hours plus recovery	Discharge (gpm):	235
Reference:	Engineering Science, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: BV18

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	<u>85-10</u>	<u> </u>				
Distance from TPW (ft):	<u> </u>	<u> </u>	<u>490</u>	<u> </u>				
Casing length (ft):	<u> </u>							
Casing diameter (in):	<u> </u>							
Open hole length (ft):	<u> </u>							
Aquifer penetration (ft):	<u> </u>							
Total depth (ft):	<u> </u>							
Screened interval (ft):	<u> </u>							
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>37,000</u>	<u>19,000</u>	<u>36,000</u>	<u> </u>				
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u>0.6x10⁻²</u>	<u> </u>				
Storage coefficient (dimensionless):	<u> </u>	<u> </u>	<u>0.4x10⁻³</u>	<u> </u>				
	(a)	(b)	(c)					

Analytical method: (a) Calculated using the short time (10-100 minutes) pump data and Cooper and Jacob (1946)
 (b) Theis recovery
 (c) Hantush and Jacob (1955) drawdown

AQUIFER PERFORMANCE TEST NUMBER: BV19

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	54
Section, Township, Range:	27,28,37	Casing length (ft):	55
Latitude/Longitude:	2801/8037	Casing diameter (in):	6
Aquifer tested:	Surficial artesian Anastasian and upper Tamiami formations	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	88
Test performed by:	Engineering Science, Inc.	Total depth (ft):	88
Date of test:		Screened interval (ft):	30
Length of test:	6-24 hours plus recovery	Discharge (gpm):	155
Reference:	Engineering Science, Inc. (1987)		

AQUIFER PERFORMANCE TEST NUMBER: BV19

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>10,500</u>	<u>8,400</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)							

Analytical method: (b) Calculated using the short time (10-100 minutes) pump data and Cooper and Jacob (1946)
(a) Theis recovery

AQUIFER PERFORMANCE TEST NUMBER: BV20

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	GS-13D
Section, Township, Range:	23,28,37	Casing length (ft):	70
Latitude/Longitude:	2802/8035	Casing diameter (in):	4
Aquifer tested:	Semi-confined surficial sand	Open hole length (ft):	
Test performed for:	Harris Corp.	Aquifer penetration (ft):	
Test performed by:	Post, Buckley, Schuh & Jernigan, Inc.	Total depth (ft):	80
Date of test:	7/17/84	Screened interval (ft):	10
Length of test:	6.5 hours	Discharge (gpm):	60
Reference:	Post, Buckley, Schuh & Jernigan, Inc. 1984		

AQUIFER PERFORMANCE TEST NUMBER: BV20

Observation Wells

Well I.D. number:	<u>GS-14D</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>445</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>70</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>80</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	<u>10</u>	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>13,800 to 14,400</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>5.4x10⁻⁵</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: BV21

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	11
Section, Township, Range:	27,28,37	Casing length (ft):	76.5
Latitude/Longitude:	2801/8036	Casing diameter (in):	8
Aquifer tested:	Semi-confined sand, shell	Open hole length (ft):	
Test performed for:	Port Malabar, General Development Corp.	Aquifer penetration (ft):	80
Test performed by:	Geraghty & Miller, Inc.	Total depth (ft):	106.5
Date of test:	11/8/73	Screened interval (ft):	30
Length of test:	24 hours	Discharge (gpm):	160
Reference:	Geraghty & Miller, Inc. 1982		

AQUIFER PERFORMANCE TEST NUMBER: BV21

Observation Wells

Well I.D. number:	<u>OW-1</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>73</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>17,160</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.08x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.6x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Hantush I (Kruseman and DeRidder 1976)

AQUIFER PERFORMANCE TEST NUMBER: BV22

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	Coastal Ridge
Section, Township, Range:	18,21,34	Casing length (ft):	
Latitude/Longitude:	2840/8050	Casing diameter (in):	6
Aquifer tested:	Surficial (60 ft saturated thickness)	Open hole length (ft):	
Test performed for:	North Brevard County Water Supply	Aquifer penetration (ft):	
Test performed by:	Dames & Moore	Total depth (ft):	
Date of test:	8/14/90	Screened interval (ft):	60-80
Length of test:	72 hours	Discharge (gpm):	226
Reference:	Dames & Moore 1990		

AQUIFER PERFORMANCE TEST NUMBER: EV22

Observation Wells

Well I.D. number:	<u>2</u>	<u>*</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>47</u>	<u>47±5</u>	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____

Other: * Well I.D. number not provided in reference document.

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>24,000</u>	<u>29,000</u>	<u>20,000</u>	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	<u>2x10⁻⁴</u>	<u>3x10⁻⁴</u>	_____	_____	_____	_____	_____
	(a)	(b)	(c)					

Analytical method: (a) Hantush inflection point
 (b) Jacob straight-line
 (c) Thiem

AQUIFER PERFORMANCE TEST NUMBER: BV23

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	Dune
Section, Township, Range:	13,21,34	Casing length (ft):	60
Latitude/Longitude:	2840/8052	Casing diameter (in):	12
Aquifer tested:	Surficial (60 ft saturated thickness)	Open hole length (ft):	
Test performed for:	North Brevard County Water Supply	Aquifer penetration (ft):	
Test performed by:	Dames & Moore	Total depth (ft):	
Date of test:	8/6/90	Screened interval (ft):	60-80
Length of test:	72 hours	Discharge (gpm):	272
Reference:	Dames & Moore 1990		

AQUIFER PERFORMANCE TEST NUMBER: BV23

Observation Wells

Well I.D. number:	<u>1</u>	<u>*</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>50</u>	<u>50±5</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	<u>67.5-77.5</u>	<u>10-20</u>	_____	_____	_____	_____	_____	_____	_____

Other: * Well I.D. number not provided in reference document.

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>7,000</u>	<u>10,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>2×10^{-3}</u> (a)	<u>2×10^{-3}</u> (b)	_____	_____	_____	_____	_____	_____	_____

Analytical method: (a) Boulton
(b) Thiem-Dupuit

AQUIFER PERFORMANCE TEST NUMBER: BV24

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	Well F (BR0907)
Section, Township, Range:	09,27,36	Casing length (ft):	245
Latitude/Longitude:	2809/8043	Casing diameter (in):	16
Aquifer tested:	Floridan	Open hole length (ft):	605
Test performed for:	Smith & Gillespie Engineers, Inc.	Aquifer penetration (ft):	
Test performed by:	Hydro Designs, Inc.	Total depth (ft):	850
Date of test:	10/16/89	Screened interval (ft):	
Length of test:	92 hours	Discharge (gpm):	2,070
Reference:	Hydro Designs, Inc. 1990		

AQUIFER PERFORMANCE TEST NUMBER: BV24

Observation Wells

	Well A BR0910	Well B BR0916	Well C BR0913	Well D BR0996	Well E BR0915	Well G BR0908	Well H1 BR0911	Well H2 BR0914	
Well I.D. number:									
Distance from TPW (ft):	50	265	320	350	2,500	30	275	275	
Casing length (ft):	1,180	243	681	971	180	40	200	180	
Casing diameter (in):	4	6	8	8	6	4	4	4	
Open hole length (ft):	24	618	2	17	670	2	2	2	
Aquifer penetration (ft):									
Total depth (ft):	1,204	861	683	988	850	42	202	182	
Screened interval (ft):									

Other: Aquifer coefficients listed in this data report are geometric mean values. See page 41 in consulting report for all the aquifer coefficient values listed.

Aquifer Coefficients

Transmissivity (gal/d ft):	325,100	255,180							
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	4.1×10^{-3} (a)	1.18×10^{-3} (b)							

Analytical method: (a) Jacob straight-line
(b) Neuman and Witherspoon

AQUIFER PERFORMANCE TEST NUMBER: BV25

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	Well F (BR0907)
Section, Township, Range:	09,27,36	Casing length (ft):	245
Latitude/Longitude:	2809/8043	Casing diameter (in):	16
Aquifer tested:	Floridan	Open hole length (ft):	605
Test performed for:	Smith & Gillespie Engineers, Inc.	Aquifer penetration (ft):	
Test performed by:	Hydro Designs, Inc.	Total depth (ft):	850
Date of test:	12/28/89-1/29/90	Screened interval (ft):	
Length of test:	31 days	Discharge (gpm):	2,320-2,390
Reference:	Hydro Designs, Inc. 1990		

AQUIFER PERFORMANCE TEST NUMBER: BV25

Observation Wells

	Well A <u>BR0910</u>	Well B <u>BR0916</u>	Well C <u>BR0913</u>	Well D <u>BR0996</u>	Well E <u>BR0915</u>	Well G <u>BR0908</u>	Well H1 <u>BR0911</u>	Well H2 <u>BR0914</u>	
Well I.D. number:									
Distance from TPW (ft):	<u>50</u>	<u>265</u>	<u>320</u>	<u>350</u>	<u>2,500</u>	<u>30</u>	<u>275</u>	<u>275</u>	
Casing length (ft):	<u>1,180</u>	<u>243</u>	<u>681</u>	<u>971</u>	<u>180</u>	<u>40</u>	<u>200</u>	<u>180</u>	
Casing diameter (in):	<u>4</u>	<u>6</u>	<u>8</u>	<u>8</u>	<u>6</u>	<u>4</u>	<u>4</u>	<u>4</u>	
Open hole length (ft):	<u>24</u>	<u>618</u>	<u>2</u>	<u>17</u>	<u>670</u>	<u>2</u>	<u>2</u>	<u>2</u>	
Aquifer penetration (ft):									
Total depth (ft):	<u>1,204</u>	<u>861</u>	<u>683</u>	<u>988</u>	<u>850</u>	<u>42</u>	<u>202</u>	<u>182</u>	
Screened interval (ft):									

Other: Aquifer coefficients listed in this data report are geometric mean values. See page 42 in consulting report for all the aquifer coefficient values listed.

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>2,505,900</u>	<u>1,494,800</u>							
Leakance: (gal/d ft ³):	<u>0.5x10⁻⁴</u>								
Storage coefficient (dimensionless):	<u>6.37x10⁻⁴</u> (a)	<u>2.65x10⁻³</u> (b)							

Analytical method: (a) Neuman and Witherspoon
(b) Jacob straight-line

AQUIFER PERFORMANCE TEST NUMBER: BV26

General

Test Production Well (TPW)

County:	Brevard	Well I.D. number:	Single Well
Section, Township, Range:	08,29,38	Casing length (ft):	68
Latitude/Longitude:	2758/8033	Casing diameter (in):	*
Aquifer tested:	Surficial	Open hole length (ft):	2
Test performed for:	Harris Corporation	Aquifer penetration (ft):	
Test performed by:	Post, Buckley, Schuh & Jernigan, Inc.	Total depth (ft):	70
Date of test:	5/16/83	Screened interval (ft):	
Length of test:	46 minutes, 40 minutes, 40 minutes, 40 minutes	Discharge (gpm):	42.7, 23.5, 34.3, 29.2
Reference:	Post, Buckley, Schuh & Jernigan, Inc. 1983		

* 10 ft of 8 in. and 58 ft of 4 in.

AQUIFER PERFORMANCE TEST NUMBER: BV26

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other:

Aquifer Coefficients

Transmissivity (gal/d ft): 24,080 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Specific capacity and specific drawdown
 Jacob correction for drawdown

AQUIFER PERFORMANCE TEST NUMBER: BV27

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Brevard	Well I.D. number:	Test Well 61
Section, Township, Range:	26,28,37	Casing length (ft):	61
Latitude/Longitude:	2800/8035	Casing diameter (in):	10
Aquifer tested:	Surficial	Open hole length (ft):	9
Test performed for:	General Development Utilities, Inc.	Aquifer penetration (ft):	
Test performed by:	Groundwater Management, Inc.	Total depth (ft):	110
Date of test:	2/17/88	Screened interval (ft):	40
Length of test:	24 hours	Discharge (gpm):	220
Reference:	Groundwater Management, Inc. 1988		

AQUIFER PERFORMANCE TEST NUMBER: BV27

Observation Wells

Well I.D. number:	<u>X1</u>	<u>X2</u>	<u>X3</u>	<u>X4</u>	<u>Average</u>				
Distance from TPW (ft):	<u>16.8</u>	<u>139.7</u>	<u>1,326</u>	<u>108</u>					
Casing length (ft):	<u>20</u>	<u>22</u>	<u>38</u>	<u>23</u>					
Casing diameter (in):	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>					
Open hole length (ft):	<u>133</u>	<u>113</u>	<u>112</u>	<u>87</u>					
Aquifer penetration (ft):									
Total depth (ft):	<u>153</u>	<u>123</u>	<u>150</u>	<u>112</u>					
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,200</u>				<u>7.800</u>				
Leakance: (gal/d ft ³):					<u>0.01</u>				
Storage coefficient (dimensionless):	<u>0.001</u>				<u>2x10⁻⁴</u>				

Analytical method: This modified non-equilibrium formula and the leaky-artesian formula (type-curve graphical method)

AQUIFER PERFORMANCE TEST NUMBER: CL1

General

Test Production Well (TPW)

County:	Clay	Well I.D. number:	2951440813717.01 (14)
Section, Township, Range:	29,07,27	Casing length (ft):	
Latitude/Longitude:	295144/813717	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	80
Test performed by:		Total depth (ft):	340
Date of test:		Screened interval (ft):	
Length of test:	55 minutes	Discharge (gpm):	67
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: CL1

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>58,344</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line recovery								

AQUIFER PERFORMANCE TEST NUMBER: CL2

General

Test Production Well (TPW)

County:	Clay	Well I.D. number:	3006560814634.01 (83)
Section, Township, Range:	35,04,25	Casing length (ft):	391
Latitude/Longitude:	300656/814634	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	806
Test performed for:		Aquifer penetration (ft):	850
Test performed by:		Total depth (ft):	1,197
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	1,230
Reference:	Fairchild 1977		

AQUIFER PERFORMANCE TEST NUMBER: CL2

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>650,760</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line drawdown								

AQUIFER PERFORMANCE TEST NUMBER: CL3

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	Clay	Well I.D. number:	1
Section, Township, Range:	31,05,26	Casing length (ft):	419
Latitude/Longitude:	3001/8144	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	581
Test performed for:	Fleming Oaks Water Treatment Plant Kingsley Service Co.	Aquifer penetration (ft):	592
Test performed by:	Jerry S. Baker, C.P.G.	Total depth (ft):	1,000
Date of test:	1/18/88	Screened interval (ft):	
Length of test:	12 Hours	Discharge (gpm):	1,390
Reference:	Jerry S. Baker, C.P.G. CUP No. 2-019-0034		

AQUIFER PERFORMANCE TEST NUMBER: CL3

Observation Wells

Well I.D. number:	_____	_____ 2 _____ (TPW)	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____ 180 _____	_____ 750 _____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____ 400 _____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____ 2 _____	_____ 8 _____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____ 600 _____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____ 650 _____	_____ 1,000 _____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____							

Aquifer Coefficients

Transmissivity (gal/d ft):	_____	_____	_____ 231,000 _____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____ 2.0x10 ⁻⁴ _____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line							

AQUIFER PERFORMANCE TEST NUMBER: C01

<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Columbia	Well I.D. number: 3019330823505.22 (2V)
Section, Township, Range:		Casing length (ft): 160 (estimated)
Latitude/Longitude:	301933/823505	Casing diameter (in): 18
Aquifer tested:	Floridan	Open hole length (ft): 102
Test performed for:		Aquifer penetration (ft):
Test performed by:		Total depth (ft): 262
Date of test:		Screened interval (ft):
Length of test:	45.5 hours	Discharge (gpm): 1,320
Reference:	Miller et al. 1978	

AQUIFER PERFORMANCE TEST NUMBER: C01

Observation Wells

	<u>2J</u>	<u>2T</u>	<u>2B</u>	<u>2L</u>	<u>2C</u>	<u>2M</u>	<u>2D</u>	<u>2N</u>	<u>ALL WELLS</u>
Well I.D. number:									
Distance from TPW (ft): (All figures are estimated)	50	100	50	100	50	100	50	100	
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):	186	186	186	186	156	156	136	136	
Screened interval (ft):									

Other: Well I.D. number: 2J 3019330823505.10; 2T 3019330823505.20; 2B 3019330823505.01; 2L 3019330823505.12;
 2C 3019330823505.03; 2M 3019330823505.13; 2D 3019330823505.04; 2N 3019330823505.14
 Latitude/Longitude: 2J 301933/823505; 2T 301933/823505; 2B 301933/823505; 2L 301933/823505;
 2C 301933/823505; 2M 301933/823505; 2D 301933/823505; 2N 301933/823505
 Aquifer tested: Well 2C and 2M lower Hawthorn Group (limestone); Well 2D and well 2N upper Hawthorn group (limestone)

Aquifer Coefficients

Transmissivity (gal/d ft):									246,840
Leakance: (gal/d ft ³):									5.2x10 ⁻³
Storage coefficient dimensionless):									7.0x10 ⁻⁵

Analytical method: Hantush and Jacob method and Neuman and Witherspoon method-composite analysis for all observation wells at the test site

AQUIFER PERFORMANCE TEST NUMBER: C02

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Columbia	Well I.D. number:	3019330823505.21 (2U)
Section, Township, Range:		Casing length (ft):	98
Latitude/Longitude:	301933/823505	Casing diameter (in):	8
Aquifer tested:	Intermediate (Hawthorn group)	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	118
Date of test:		Screened interval (ft):	98-118
Length of test:	14 days	Discharge (gpm):	3.2
Reference:	Miller et al. 1978		

AQUIFER PERFORMANCE TEST NUMBER: C02

Observation Wells

	<u>2C</u>	<u>2M</u>	<u>2D</u>	<u>2N</u>	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	<u>50</u>	<u>100</u>	<u>50</u>	<u>100</u>					
Casing length (ft):	_____	_____	_____	_____					
Casing diameter (in):	_____	_____	_____	_____					
Open hole length (ft):	_____	_____	_____	_____					
Aquifer penetration (ft):	_____	_____	_____	_____					
Total depth (ft):	<u>156</u>	<u>156</u>	<u>136</u>	<u>136</u>					
Screened interval (ft):	_____	_____	_____	_____					

Other: Well I.D. number: 2C 3019330823505.03; 2M 3019330823505.13; 2D 3019330823505.04; 2N 3019330823505.14
 Aquifer tested: Well 2C and 2M lower Hawthorn group (limestone); Well 2D and well 2N upper Hawthorn group (limestone)

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>112.2</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.2x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Hantush
 Composite analysis for all observation wells at test site

AQUIFER PERFORMANCE TEST NUMBER: C03

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Columbia	Well I.D. number:	010-237-2
Section, Township, Range:	33,03,17	Casing length (ft):	157
Latitude/Longitude:	3010/8237	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	118
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	275
Date of test:	10/17/57	Screened interval (ft):	
Length of test:	5 hours	Discharge (gpm):	650
Reference:	Meyer 1962		

AQUIFER PERFORMANCE TEST NUMBER: C03

Observation Wells

Well I.D. number: 011-237-1 _____
Distance from TPW (ft): 1,150 _____
Casing length (ft): 145 _____
Casing diameter (in): 12 _____
Open hole length (ft): 155 _____
Aquifer penetration (ft): _____
Total depth (ft): 300 _____
Screened interval (ft): _____
Other: Section, Township, Range: 32,03,17

Aquifer Coefficients

Transmissivity (gal/d ft): 270,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 8.0x10⁻⁴ _____
Analytical method: This type-curve solution

AQUIFER PERFORMANCE TEST NUMBER: DU1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	M-5
Section, Township, Range:	38,01,29	Casing length (ft):	37
Latitude/Longitude:	3023/8124	Casing diameter (in):	3
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	47
Test performed by:		Total depth (ft):	47
Date of test:	04/09/79	Screened interval (ft):	37-47
Length of test:	5 hours	Discharge (gpm):	20
Reference:	Franks 1980		

AQUIFER PERFORMANCE TEST NUMBER: DU1

Observation Wells

	<u>M-3</u>	<u>M-7</u>	<u>M-8</u>	<u>M-10</u>	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	<u>275</u>	<u>162</u>	<u>275</u>	<u>75</u>					
Casing length (ft):	<u>6</u>	<u>34</u>	<u>45</u>	<u>25</u>					
Casing diameter (in):	<u>2</u>	<u>4</u>	<u>4</u>	<u>3</u>					
Open hole length (ft):	_____	_____	_____	_____					
Aquifer penetration (ft):	<u>11</u>	<u>44</u>	<u>55</u>	<u>35</u>					
Total depth (ft):	<u>11</u>	<u>44</u>	<u>55</u>	<u>35</u>					
Screened interval (ft):	<u>6-11</u>	<u>38-44</u>	<u>45-55</u>	<u>25-35</u>					

Other:

Aquifer Coefficients

Transmissivity (gal/d ft):	_____	<u>17,952</u>	<u>22,440</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	<u>1x10⁻³</u> (a)	<u>1x10⁻³</u> (b)	_____	_____	_____	_____	_____	_____

Analytical method:

- (a) Cooper and Jacob (1946) straight-line
- (b) Composite analysis for all observation wells at site; storage coefficient values determined to be erroneous.

AQUIFER PERFORMANCE TEST NUMBER: DU2

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	2
Section, Township, Range:	18,04,27	Casing length (ft):	
Latitude/Longitude:	3008/8138	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:	Mandarin Utilities Corp. (Community Hall Wellfield)	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	950
Date of test:	6/12/84	Screened interval (ft):	
Length of test:	7 Hours	Discharge (gpm):	1,100
Reference:	G. Warren Leve, Inc. CUP No. 2-031-0012		

AQUIFER PERFORMANCE TEST NUMBER: DU2

Observation Wells

Well I.D. number: Well 1 _____
Distance from TPW (ft): 373 _____
Casing length (ft): _____
Casing diameter (in): 10 _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): 650 _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 93,400 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 1.6x10⁻³ _____
Analytical method: Curve matching method; Specific family of curves was not given in publication.

AQUIFER PERFORMANCE TEST NUMBER: DU3

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	1
Section, Township, Range:		Casing length (ft):	
Latitude/Longitude:	3008/8138	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:	Mandarin Utilities Corp. (Community Hall Wellfield)	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	650
Date of test:	6/13/84	Screened interval (ft):	
Length of test:	7 hours	Discharge (gpm):	1,100
Reference:	G. Warren Leve, Inc. CUP No. 2-031-0012		

AQUIFER PERFORMANCE TEST NUMBER: DU3

Observation Wells

Well I.D. number:	<u>2</u>	<u>3</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>373</u>	<u>195</u>	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>10</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>950</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____

Other: Drawdown data were available for well 2. Recovery data were available for wells 2 and 3.

Aquifer Coefficients

Transmissivity (gal/d ft):	_____	<u>68,100</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	<u>0.7x10⁻³</u>	_____	_____	_____	_____	_____	_____

Analytical method: Method was not described under the CUP reference.

AQUIFER PERFORMANCE TEST NUMBER: DU4

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	3
Section, Township, Range:	18,40,27	Casing length (ft):	485
Latitude/Longitude:	3008/8139	Casing diameter (in):	16
Aquifer tested:	Floridan	Open hole length (ft):	740
Test performed for:	Mandarin Utilities Corp. (Community Hall Wellfield)	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	1,225
Date of test:	7/31/85	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	2,500
Reference:	G. Warren Leve, Inc. CUP No. 2-031-0012N		

AQUIFER PERFORMANCE TEST NUMBER: DU4

Observation Wells

Well I.D. number:	<u>1</u>	<u>2</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>415</u>	<u>190</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>10</u>	<u>10</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>650</u>	<u>950</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>168,500</u>	<u>130,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>3.12x10⁻⁴</u>	<u>2.6x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Modified Hantush (1960); recovery data were available.								

AQUIFER PERFORMANCE TEST NUMBER: DU5

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	PW-1
Section, Township, Range:	39,04,27	Casing length (ft):	450
Latitude/Longitude:	3009/8138	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	200
Test performed for:	Mandarin Utilities Corp. (Community Hall Wellfield)	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	600
Date of test:	6/12/84	Screened interval (ft):	
Length of test:	7 hours	Discharge (gpm):	1,100
Reference:	G. Warren Leve, Inc. 1984		

AQUIFER PERFORMANCE TEST NUMBER: DU5

Observation Wells

	<u>PW2</u>	<u>NETTLES</u>	<u> </u>						
Well I.D. number:									
Distance from TPW (ft):	373	195							
Casing length (ft):	450	450							
Casing diameter (in):	10								
Open hole length (ft):	500	200							
Aquifer penetration (ft):									
Total depth (ft):	950	650							
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	93,371								
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	1.6x10 ⁻³								
Analytical method:	Modified Hantush (1960)								

AQUIFER PERFORMANCE TEST NUMBER: DU6

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	PW-2
Section, Township, Range:	39,04,27	Casing length (ft):	450
Latitude/Longitude:	3009/8138	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	500
Test performed for:	Mandarin Utilities Corp. (Community Hall Wellfield)	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	950
Date of test:	6/12/84	Screened interval (ft):	
Length of test:	7 hours	Discharge (gpm):	1,100
Reference:	G. Warren Leve, Inc. 1984		

AQUIFER PERFORMANCE TEST NUMBER: DU6

Observation Wells

Well I.D. number:	<u>NETTLES</u>	<u>1</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>568</u>	<u>373</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>450</u>	<u>450</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	<u>10</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>200</u>	<u>200</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>650</u>	<u>650</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>68,135</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>7x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Modified Hantush (1960)								

AQUIFER PERFORMANCE TEST NUMBER: DU7

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	PW-3
Section, Township, Range:	39,04,27	Casing length (ft):	485
Latitude/Longitude:	3009/8138	Casing diameter (in):	16
Aquifer tested:	Floridan	Open hole length (ft):	740
Test performed for:	Mandarin Utilities Corp. (Community Hall Wellfield)	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	1,225
Date of test:	7/31/85	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	2,500
Reference:	G. Warren Leve, Inc. 1986b		

AQUIFER PERFORMANCE TEST NUMBER: DU7

Observation Wells

	<u>1</u>	<u>2</u>	_____	_____	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	<u>415</u>	<u>190</u>							
Casing length (ft):	<u>450</u>	<u>450</u>							
Casing diameter (in):	<u>10</u>	<u>10</u>							
Open hole length (ft):	<u>200</u>	<u>500</u>							
Aquifer penetration (ft):	_____	_____							
Total depth (ft):	<u>650</u>	<u>950</u>							
Screened interval (ft):	_____	_____							
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>130,318</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>2.6x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush (1960) Time/distance drawdown								

AQUIFER PERFORMANCE TEST NUMBER: DU8

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	New Production Well
Section, Township, Range:	20,01,28	Casing length (ft):	480
Latitude/Longitude:	3024/8131	Casing diameter (in):	16 in. to 75 ft; 12 in. from 75 to 105 ft; 8 in. from 105 to 480 ft
Aquifer tested:	Floridan	Open hole length (ft):	568
Test performed for:	Gate Maritime Properties, Inc.	Aquifer penetration (ft):	20
Test performed by:	Enviromental Services, Inc.	Total depth (ft):	1,048
Date of test:	9/9/91	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	1,800
Reference:	Enviromental Services, Inc. 1991		

AQUIFER PERFORMANCE TEST NUMBER: DU8

Observation Wells

Well I.D. number:	*	*	(TPW)						
Distance from TPW (ft):	700	800							
Casing length (ft):									
Casing diameter (in):	18	5							
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):	1,067	600							
Screened interval (ft):									
Other:	* Well I.D. number not given.								

Aquifer Coefficients

Transmissivity (gal/d ft):	465,882	132,000	179,320						
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	4.44x10 ⁻³	4.44x10 ⁻³							
Analytical method:	Jacob straight-line								

AQUIFER PERFORMANCE TEST NUMBER: DU9

<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Duval	Well I.D. number: Well 1 (2-031-0131N)
Section, Township, Range:	20,01,28	Casing length (ft): 457
Latitude/Longitude:	3024/8131	Casing diameter (in): 12 in. to 85 ft
Aquifer tested:	Floridan	Open hole length (ft): 735
Test performed for:	Gate Maritime Properties, Inc.	Aquifer penetration (ft):
Test performed by:	Hunter/RS & H, Inc.	Total depth (ft): 1,192
Date of test:	12/21/89	Screened interval (ft):
Length of test:	24 hours	Discharge (gpm): 2,850
Reference:	Hunter/RS & H, Inc. 1990	

AQUIFER PERFORMANCE TEST NUMBER: DU9

Observation Wells

	(Well 7) OB-1	(Well 5) OB-2	(Well 2) OB-3						
Well I.D. number:									
Distance from TPW (ft):	100	600	4,480						
Casing length (ft):	455	450	516						
Casing diameter (in):	*	3	**						
Open hole length (ft):	95	100	688						
Aquifer penetration (ft):									
Total depth (ft):	550	550	1,204						
Screened interval (ft):									

Other:

* 5 in. to 17 ft; 3 in. from 17 ft to 455 ft

** 18 in. to 85 ft; 12 in. from 85 to 415 ft; 10 in from 415 to 516 ft

Aquifer Coefficients

Transmissivity (gal/d ft):	816,464	483,831							
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	2.27×10^{-2} (a)	1.25×10^{-4}							

Analytical method:

Modified Hantush

(a) These values do not fit the hydraulics of typical Floridan wells. Vertical leakage (recharge) is probably occurring.

AQUIFER PERFORMANCE TEST NUMBER: DU10

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Duval	Well I.D. number:	1
Section, Township, Range:	26,01,27	Casing length (ft):	504
Latitude/Longitude:	3028/8134	Casing diameter (in):	10.6
Aquifer tested:	Floridan	Open hole length (ft):	291
Test performed for:	Sheffield Village, Inc.	Aquifer penetration (ft):	
Test performed by:	GWL, Inc. 1990	Total depth (ft):	795
Date of test:	1/24/90	Screened interval (ft):	
Length of test:	48 hours	Discharge (gpm):	341
Reference:	GWL, Inc. 1990 CUP NO. 2-031-0158		

AQUIFER PERFORMANCE TEST NUMBER: DU10

Observation Wells

Well I.D. number:	<u>2</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>181</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>504</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>10 and 6*</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>291</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>795</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Other: * More specific data were not given

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>198,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>0.24</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush (1960) method for leaky aquifers								

AQUIFER PERFORMANCE TEST NUMBER: FL1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Flagler	Well I.D. number:	928-122-3
Section, Township, Range:	10,12,29	Casing length (ft):	120
Latitude/Longitude:	292817/812220	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	225
Test performed for:		Aquifer penetration (ft):	215
Test performed by:		Total depth (ft):	345
Date of test:		Screened interval (ft):	
Length of test:	6.48 hours	Discharge (gpm):	280
Reference:	Bernes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: FL1

Observation Wells

Well I.D. number: 927-121-2 _____

Distance from TPW (ft): 2,600 _____

Casing length (ft): 180 _____

Casing diameter (in): _____

Open hole length (ft): 120 _____

Aquifer penetration (ft): 120 _____

Total depth (ft): 300 _____

Screened interval (ft): _____

Other: Latitude/Longitude: 292700/812157

Aquifer Coefficients

Transmissivity (gal/d ft): 270,000 _____

Leakance: (gal/d ft³): 5.2x10⁻³ _____

Storage coefficient
(dimensionless): 4.7x10⁻⁴ _____

Analytical method: Hantush and Jacob (1955) leaky artesian matchpoint

AQUIFER PERFORMANCE TEST NUMBER: FL2

General

Test Production Well (TPW)

County:	Flagler	Well I.D. number:	928-122-9
Section, Township, Range:	14,12,29	Casing length (ft):	160
Latitude/Longitude:	292846/812233	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	335
Test performed for:		Aquifer penetration (ft):	335
Test performed by:		Total depth (ft):	495
Date of test:		Screened interval (ft):	
Length of test:	48 minutes	Discharge (gpm):	370
Reference:	Bermes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: FL2

Observation Wells

Well I.D. number: 928-122-11 _____
Distance from TPW (ft): 230 _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): 330 _____
Total depth (ft): 490 _____
Screened interval (ft): _____
Other: Latitude/Longitude: 292846/812236

Aquifer Coefficients

Transmissivity (gal/d ft): 280,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 9.0x10⁻⁴ _____

Analytical method: Hantush and Jacob (1955) leaky artesian matchpoint

AQUIFER PERFORMANCE TEST NUMBER: FL3

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Flagler	Well I.D. number:	919-120-2
Section, Township, Range:	35,14,29	Casing length (ft):	75
Latitude/Longitude:	291955/812009	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	100
Test performed for:		Aquifer penetration (ft):	75
Test performed by:		Total depth (ft):	175
Date of test:		Screened interval (ft):	
Length of test:	7.2 hours	Discharge (gpm):	390
Reference:	Bermes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: FL3

Observation Wells

Well I.D. number:	<u>919-119-3</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>1,650</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>77</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>111</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>88</u>	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>188</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Other: Section, Township, Range: 36,14,29
Latitude/Longitude: 291955/811951

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>190,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.75x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.9x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Hantush and Jacob (1955) leaky artesian matchpoint

AQUIFER PERFORMANCE TEST NUMBER: FL4

	<u>General</u>	<u>Test Production Well (TPW)</u>
County:	Flagler	Well I.D. number: 918-118-3
Section, Township, Range:	06,14,30	Casing length (ft): 60
Latitude/Longitude:	291902/811856	Casing diameter (in):
Aquifer tested:	Floridan	Open hole length (ft): 290
Test performed for:		Aquifer penetration (ft): 290
Test performed by:		Total depth (ft): 350
Date of test:		Screened interval (ft):
Length of test:	44.4 hours	Discharge (gpm): 345
Reference:	Bermes, Leve, and Tarver 1963	

AQUIFER PERFORMANCE TEST NUMBER: FL4

Observation Wells

Well I.D. number:	<u>919-118-2</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>1,940</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>60</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>104</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>104</u>	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>164</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Latitude/Longitude:	291915/811840	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>275,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Jacob straight-line recovery

AQUIFER PERFORMANCE TEST NUMBER: FL5

General

Test Production Well (TPW)

County:	Flagler	Well I.D. number:	2937160812936.01 (11)
Section, Township, Range:	21,10,28	Casing length (ft):	
Latitude/Longitude:	293716/812936	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	250
Test performed by:		Total depth (ft):	405
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	103
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: FL5

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>194,480</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line drawdown								

AQUIFER PERFORMANCE TEST NUMBER: FL6

General

Test Production Well (TPW)

County:	Flagler	Well I.D. number:	2930360811714.01 (LW4)
Section, Township, Range:	33,11,30	Casing length (ft):	
Latitude/Longitude:	293036/811714	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	49
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	172
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	700
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: FL6

Observation Wells

Well I.D. number:	<u>LW2</u>	<u>TW1</u>	<u>LW5</u>	<u>(TPW)</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Distance from TPW (ft):	<u>650</u>	<u>1,910</u>	<u>5,600</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u>111</u>	<u>163</u>	<u>44</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u>260</u>	<u>310</u>	<u>170</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other: Section, Township, Range:	LW2: 34,11,30;		LW5: 32,11,30						
Well I.D. number:	LW2: 2930360811724.01;		TW1: 2930360811736.01;		LW5: 2929470811743.01				
Latitude/Longitude:	LW2: 293036/811724;		TW1: 293036/811736;		LW5: 292947/811743				

Aquifer Coefficients

Transmissivity (gal/d ft):	<u> </u>	<u> </u>	<u> </u>	<u>70,312</u>	<u> </u>				
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u>6.66x10⁻³</u>	<u> </u>				
Storage coefficient (dimensionless):	<u> </u>	<u> </u>	<u> </u>	<u>1.0x10⁻⁴</u>	<u> </u>				

Analytical method: Hantush and Jacob (1955) leaky artesian aquifer type-curve matching method modified by Cooper, a composite analysis.

AQUIFER PERFORMANCE TEST NUMBER: FL7

General

Test Production Well (TPW)

County:	Flagler	Well I.D. number:	2933250811248.01 (LW13)
Section, Township, Range:	17,11,31	Casing length (ft):	
Latitude/Longitude:	293325/811248	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	153
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	330
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	*1,000; 1,400
Reference:	Bentley 1977		

* Transmissivity (T) and Discharge (Q) are listed in the same order (i.e., Q of 1,000 correlates with a T of 374,000)

AQUIFER PERFORMANCE TEST NUMBER: FL7

Observation Wells

	<u>LW10</u>	<u>LW11</u>	<u>LW12</u>	<u>(TPW)</u>	<u>(TPW)</u>				
Well I.D. number:									
Distance from TPW (ft):	<u>1,450</u>	<u>3,990</u>	<u>7,015</u>						
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):	<u>190</u>	<u>101</u>	<u>105</u>						
Aquifer penetration (ft):									
Total depth (ft):	<u>398</u>	<u>285</u>	<u>235</u>						
Screened interval (ft):									

Other: Section, Township, Range: LW11: 18,11,31
 Well I.D. number: LW10: 2933270811225.01; LW11: 2933150811313.01; LW12: 2933140811324.01
 Latitude/Longitude: LW10: 293327/811225; LW11: 293315/811313; LW12: 293314/811324

Aquifer Coefficients

Transmissivity (gal/d ft):				<u>*374,000</u>	<u>*456,280</u>				
Leakance: (gal/d ft ³):				<u>8.46x10⁻³</u>	<u>3.1x10⁻³</u>				
Storage coefficient (dimensionless):				<u>1.0x10⁻⁴</u>	<u>7.0x10⁻⁴</u>				

Analytical method: Hantush and Jacob (1955) leaky artesian matchpoint; composite analysis—2 tests at this site

* Transmissivity (T) and Discharge (Q) are listed in the same order (i.e., Q of 1,000 correlates with a T of 374,000)

AQUIFER PERFORMANCE TEST NUMBER: FL8

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Flagler	Well I.D. number:	2926160811314.01 (LW14)
Section, Township, Range:	30,12,31	Casing length (ft):	
Latitude/Longitude:	292616/811314	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	121
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	223
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	600
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: FL8

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>172,040</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Modified Jacob recovery test

AQUIFER PERFORMANCE TEST NUMBER: FL9

General

Test Production Well (TPW)

County:	Flagler	Well I.D. number:	2929470811743.01 (LW51)
Section, Township, Range:	33,11,30	Casing length (ft):	
Latitude/Longitude:	292947/811743	Casing diameter (in):	
Aquifer tested:	Floridan, upper zone	Open hole length (ft):	
Test performed for:	Palm Coast	Aquifer penetration (ft):	62
Test performed by:	BCE/CH2M HILL	Total depth (ft):	180
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Navoy and Bradner 1987		

AQUIFER PERFORMANCE TEST NUMBER: FL9

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>69,340</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.34x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>4.2x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: FL10

General

Test Production Well (TPW)

County:	Flagler	Well I.D. number:	2924480811213.01 (LW49)
Section, Township, Range:		Casing length (ft):	
Latitude/Longitude:	292448/811213	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	122
Test performed by:		Total depth (ft):	225
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Navoy and Bradner 1987		

AQUIFER PERFORMANCE TEST NUMBER: FL10

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>89,760</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.94x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>3.6x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: FL11

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Flagler	Well I.D. number:	3
Section, Township, Range:	05,13,31	Casing length (ft):	104
Latitude/Longitude:	2925/8112	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	36
Test performed for:	Plantation Bay	Aquifer penetration (ft):	45
Test performed by:	Florida Universal Engineering Testing Company	Total depth (ft):	140
Date of test:	11/25/84	Screened interval (ft):	
Length of test:	32 hours	Discharge (gpm):	150
Reference:	Universal Engineering Testing Co. 1984 CUP No. 2-035-0029		

AQUIFER PERFORMANCE TEST NUMBER: FL11

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>4</u>	<u>1</u>	<u>(TPW)</u>	<u>4</u>	<u>1</u>	<u>1&4</u>	<u> </u>	<u> </u>
Distance from TPW (ft):	<u> </u>	<u>50</u>	<u>28</u>	<u> </u>					
Casing length (ft):	<u> </u>	<u>106</u>	<u>106</u>	<u> </u>					
Casing diameter (in):	<u> </u>	<u>4</u>	<u>4</u>	<u> </u>					
Open hole length (ft):	<u> </u>	<u>34</u>	<u>34</u>	<u> </u>					
Aquifer penetration (ft):	<u> </u>	<u>44</u>	<u>45</u>	<u> </u>					
Total depth (ft):	<u> </u>	<u>140</u>	<u>140</u>	<u> </u>					
Screened interval (ft):	<u> </u>								
Other:	<u> </u>								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>57,400</u>	<u>66,000</u>	<u>64,900</u>	<u>41,200</u>	<u>42,600</u>	<u>45,000</u>	<u>29,600</u>	<u> </u>	<u> </u>
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>						
Storage coefficient (dimensionless):	<u> </u>	<u>1.65x10⁻⁵</u>	<u> </u>	<u> </u>					
	(a)	(a)	(a)	(b)	(b)	(b)	(c)		

Analytical method: a) Jacob modification drawdown
 b) Jacob modification recovery
 c) Theis non-equilibrium well formula with type-curve matching

AQUIFER PERFORMANCE TEST NUMBER: FL12

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Flagler	Well I.D. number:	LW-31
Section, Township, Range:	25,12,30	Casing length (ft):	
Latitude/Longitude:	2926/8114	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:	Palm Coast Utilities Corp.	Aquifer penetration (ft):	310
Test performed by:	Blasland, Bouck, & Lee	Total depth (ft):	320
Date of test:	3/23/90	Screened interval (ft):	
Length of test:	March 23-30, 1990	Discharge (gpm):	1,200
Reference:	Blasland, Bouck, & Lee 1990		

AQUIFER PERFORMANCE TEST NUMBER: FL12

Observation Wells

	<u>MW-1</u>	<u>MW-2</u>	<u>LW-21</u>	<u> </u>					
Well I.D. number:									
Distance from TPW (ft):	150	850	1,500						
Casing length (ft):									
Casing diameter (in):	4	4	12						
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):	320	320	335						
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>226,286</u>	<u>234,667</u>	<u> </u>						
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>3.15x10⁻⁴</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: GA1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Camden, GA	Well I.D. number:	155
Section, Township, Range:		Casing length (ft):	516
Latitude/Longitude:	3044/8130	Casing diameter (in):	18
Aquifer tested:	Floridan	Open hole length (ft):	544
Test performed for:	St. Mary's Kraft Corp.	Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,060
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	3,500
Reference:	Warren 1944		

AQUIFER PERFORMANCE TEST NUMBER: GA1

Observation Wells

Well I.D. number:	<u>3</u>	<u>18</u>	<u>19</u>	<u>39</u>	<u> </u>				
Distance from TPW (ft):	<u>4,327</u>	<u>2,198</u>	<u>1,140</u>	<u>2,014</u>	<u> </u>				
Casing length (ft):	<u> </u>	<u> </u>	<u>300</u>	<u> </u>					
Casing diameter (in):	<u> </u>	<u>2</u>	<u>2</u>	<u> </u>					
Open hole length (ft):	<u> </u>	<u> </u>	<u>240</u>	<u> </u>					
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>	<u>450</u>	<u>540</u>	<u> </u>					
Screened interval (ft):	<u> </u>								
Other:	<u> </u>								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>140,000</u>	<u>average</u>	<u>value</u>	<u> </u>					
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Analytical method: Analyzed by the Theis formula. Well 155 was allowed to flow at 1,500 gpm, then pumped 3,500 gpm. Eight transmissivity values (T) were calculated for these conditions at observation wells. T values ranged from 104,000 to 177,000 gal/d ft. Average value of T calculated from all observation wells.

AQUIFER PERFORMANCE TEST NUMBER: IR1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Indian River	Well I.D. number:	48
Section, Township, Range:	15,31,39	Casing length (ft):	6
Latitude/Longitude:	2747/8026	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	700
Date of test:		Screened interval (ft):	
Length of test:	95 hours	Discharge (gpm):	500
Reference:	Bermes 1958		

AQUIFER PERFORMANCE TEST NUMBER: IR1

Observation Wells

Well I.D. number:	<u>47</u>	<u>49</u>	<u>46</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>116</u>	<u>860</u>	<u>1,230</u>	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	<u>4</u>	<u>4</u>	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>700</u>	<u>760</u>	<u>850</u>	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>150,000</u>	<u>145,000</u>	<u>150,000</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.4x10⁻³</u>	<u>1.4x10⁻³</u>	<u>1.0x10⁻³</u>	_____	_____	_____	_____	_____	_____

Analytical method: Jacob (1940) type-curve matching

AQUIFER PERFORMANCE TEST NUMBER: IR2

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Indian River	Well I.D. number:	107
Section, Township, Range:	35,31,39	Casing length (ft):	260
Latitude/Longitude:	2744/8024	Casing diameter (in):	5
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	991
Date of test:		Screened interval (ft):	
Length of test:	67 hours	Discharge (gpm):	280
Reference:	Bermes 1958		

AQUIFER PERFORMANCE TEST NUMBER: IR2

Observation Wells

Well I.D. number:	<u>108</u>	<u>104</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>730</u>	<u>740</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>3</u>	<u>5</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>860</u>	<u>1,000</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>36,000</u>	<u>56,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.0x10⁻³</u>	<u>5.0x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____

Analytical method: Jacob (1940) type-curve matching

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AQUIFER PERFORMANCE TEST NUMBER: IR3

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Indian River	Well I.D. number:	PW1
Section, Township, Range:	14,31,38	Casing length (ft):	65
Latitude/Longitude:	2747/8030	Casing diameter (in):	10
Aquifer tested:	Surficial/artesian	Open hole length (ft):	
Test performed for:	Sebastian Highlands, GDC	Aquifer penetration (ft):	*
Test performed by:	Geraghty & Miller, Inc.	Total depth (ft):	102
Date of test:	7/11/81**, 7/15/81***	Screened interval (ft):	30
Length of test:	4 hours **, 72 hours ***	Discharge (gpm):	665 ***
Reference:	Geraghty & Miller, Inc. 1981 CUP No. 2-061-0142		

- * Zone tested 65-95 ft below land surface
- ** Step-drawdown
- *** Constant rate test

AQUIFER PERFORMANCE TEST NUMBER: IR3

Observation Wells

Well I.D. number:	(TPW)	M1D	M2D	M3	M4	M2D	M3	M4	M2D
Distance from TPW (ft):		415	175	368	910				
Casing length (ft):		65	65	65	60				
Casing diameter (in):		2	2	2	2				
Open hole length (ft):									
Aquifer penetration (ft):		Zone tested 65-95 ft below land surface							
Total depth (ft):		100	100	100	100				
Screened interval (ft):		30	30	30	35				
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	83,600	76,100	80,900	76,700	74,700	74,700	90,700	85,600	79,400
Leakance: (gal/d ft ³):		7.6X10 ⁻⁴	8.2X10 ⁻⁴	8.5X10 ⁻⁴	9.3X10 ⁻⁴	2.2X10 ⁻³			5.8x10 ⁻⁴
Storage coefficient (dimensionless):		1.2X10 ⁻⁴	1.1X10 ⁻⁴	9.7X10 ⁻⁵	1.1X10 ⁻⁴	1.3X10 ⁻⁴	5.4X10 ⁻⁵	9.2X10 ⁻⁵	8.9x10 ⁻⁵
	(a)	(b) (1)	(b) (1)	(b) (1)	(b) (1)	(c) (2)	(c) (2)	(c) (2)	(c) (1)

Analytical method: (a) Jacob modified (1) Drawdown
 (b) Hantush I (Kruseman and DeRidder 1976) (2) Recovery
 (c) Cooper and Jacob (1946)

(continued)

AQUIFER PERFORMANCE TEST NUMBER: IR3

Observation Wells

	<u>M3</u>	<u>M4</u>							
Well I.D. number:									
Distance from TPW (ft):									
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):									
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>86,600</u>	<u>74,000</u>							
Leakance: (gal/d ft ³):	<u>2.6x10⁻⁴</u>	<u>8.9x10⁻⁴</u>							
Storage coefficient (dimensionless):	<u>4.7x10⁻⁵</u> (c) (1)	<u>1.0x10⁻⁴</u> (c) (1)							

Analytical method:	(a) Jacob modified	(1) Drawdown
	(b) Hantush I (Kruseman and DeRidder 1976)	(2) Recovery
	(c) Cooper and Jacob (1946)	

AQUIFER PERFORMANCE TEST NUMBER: IR4

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Indian River	Well I.D. number:	PW2
Section, Township, Range:	23,31,38	Casing length (ft):	65
Latitude/Longitude:	2746/8030	Casing diameter (in):	10
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:	Sebastian Highlands, GDC Geraghty & Miller, Inc.	Aquifer penetration (ft):	*
Test performed by:		Total depth (ft):	102
Date of test:	7/22/81	Screened interval (ft):	30
Length of test:	24 hours (constant rate)	Discharge (gpm):	605
Reference:	Geraghty & Miller, Inc. 1981 CUP No. 2-061-0142		

* Zone tested 65-95 ft below land surface

AQUIFER PERFORMANCE TEST NUMBER: IR4

Observation Wells

Well I.D. number:	(TPW)	M1D	M4	M1D	M4	(TPW)	M1D			
Distance from TPW (ft):		265	488							
Casing length (ft):		65	60							
Casing diameter (in):		2	2							
Open hole length (ft):										
Aquifer penetration (ft):		Zone tested 65-95 ft below land surface								
Total depth (ft):		100	100							
Screened interval (ft):		30	35							
Other: Section, Township, Range: M1D:		24,31,38								

Aquifer Coefficients

Transmissivity (gal/d ft):	80,700	76,100	72,300	78,800	86,700	79,500	78,800		
Leakance: (gal/d ft ³):		2.9x10 ⁻³	2.9x10 ⁻³				1.8x10 ⁻³		
Storage coefficient (dimensionless):		1.8x10 ⁻⁴	1.6x10 ⁻⁴	1.6x10 ⁻⁴	1.3x10 ⁻⁴		1.5x10 ⁻⁴		
	(a) (1)	(b)	(b) (1)	(c) (2)	(c) (2)	(a) (2)	(c) (1)		

Analytical method: (a) Jacob modified (1) Drawdown
 (b) Hantush I (Kruseman and DeRidder 1976) (2) Recovery
 (c) Cooper and Jacob (1946)

AQUIFER PERFORMANCE TEST NUMBER: IR5

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Indian River	Well I.D. number:	2*
Section, Township, Range:	26,31,39	Casing length (ft):	460
Latitude/Longitude:	274524/802410	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	500
Test performed for:	North Beach Water Co.	Aquifer penetration (ft):	
Test performed by:	Seaburn & Robertson, Inc.	Total depth (ft):	960
Date of test:	12/1/82	Screened interval (ft):	
Length of test:	6 days	Discharge (gpm):	1,500
Reference:	Seaburn & Robertson, Inc. 1983 CUP No. 2-061-0213		

* Reverse osmosis supply well

AQUIFER PERFORMANCE TEST NUMBER: IR5

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	<u>1</u>	<u>1</u>	<u>Florida Land Well</u>	<u> </u>	<u> </u>	<u> </u>
Distance from TPW (ft):	<u> </u>	<u> </u>	<u>1,050</u>	<u> </u>	<u>660</u>	<u> </u>	<u> </u>	<u> </u>
Casing length (ft):	<u> </u>	<u> </u>	<u>405</u>	<u> </u>	<u>276</u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u> </u>	<u> </u>	<u>10</u>	<u> </u>	<u>5</u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u> </u>	<u> </u>	<u>598</u>	<u> </u>	<u>406</u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u>598</u>	<u> </u>	<u>406</u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u> </u>	<u> </u>	<u>1,003</u>	<u> </u>	<u>682</u>	<u> </u>	<u> </u>	<u> </u>
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other: Latitude/Longitude:	2745/8024 for both observation wells							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>330,000</u>	<u>264,000</u>	<u>132,000</u>	<u>132,000</u>	<u>82,500</u>	<u>82,500</u>	<u> </u>	<u> </u>	<u> </u>
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>5.8x10⁻⁶</u>	<u> </u>	<u>6.3x10⁻⁴</u>	<u>6.3x10⁻⁴</u>	<u>2.8x10⁻⁴</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	(a)	(b)	(a)	(b)	(a)	(b)			

Analytical method: (a) Time-recovery
(b) Residual drawdown vs time ratio

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AQUIFER PERFORMANCE TEST NUMBER: LK1

General

Test Production Well (TPW)

County:	Lake	Well I.D. number: 2823180815440.02 (LK7501)
Section, Township, Range:	21,24,24	Casing length (ft): 66
Latitude/Longitude:	282318/815440	Casing diameter (in): 8
Aquifer tested:	Floridan	Open hole length (ft): 126
Test performed for:		Aquifer penetration (ft): 160
Test performed by:		Total depth (ft): 192
Date of test:	12/15/75	Screened interval (ft):
Length of test:	35 hours	Discharge (gpm): 1,040
Reference:	Tibbals and Grubb 1982	

AQUIFER PERFORMANCE TEST NUMBER: LK1

Observation Wells

Well I.D. number:	<u>LK751W</u>	<u>LK751E</u>	<u>LK751N</u>	<u>LK752N</u>	<u>LK753W</u>	<u>LK753E</u>	<u>LK755N</u>	<u>LK756N</u>	<u>LK752W</u>
Distance from TPW (ft):	<u>31</u>	<u>62</u>	<u>100</u>	<u>300</u>	<u>31</u>	<u>62</u>	<u>100</u>	<u>300</u>	<u>31</u>
Casing length (ft):	<u>64</u>	<u>68.5</u>	<u>64</u>	<u>37</u>	<u>27</u>	<u>24.3</u>	<u>27.6</u>	<u>24.6</u>	<u>14.7</u>
Casing diameter (in):	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
Open hole length (ft):	<u>126</u>	<u>131.5</u>	<u>136</u>	<u>155</u>					
Aquifer penetration (ft):	<u>160</u>	<u>160</u>	<u>155</u>	<u>165</u>	<u>29.4</u>	<u>26.7</u>	<u>30</u>	<u>27</u>	<u>17.7</u>
Total depth (ft):	<u>190</u>	<u>200</u>	<u>200</u>	<u>192</u>	<u>29.4</u>	<u>26.7</u>	<u>30</u>	<u>27</u>	<u>17.7</u>
Screened interval (ft):					<u>2.4</u>	<u>2.4</u>	<u>2.4</u>	<u>2.4</u>	<u>3</u>
Other:	LK751W: Intermediate aquifer (confining bed)								
	LK753W: Intermediate aquifer								
	LK752W: Surficial aquifer								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>97,240</u>	<u>97,240</u>	<u>97,240</u>	<u>97,240</u>	<u>4,787</u>	<u>22,440</u>	<u>321,640</u>	<u>4,563</u>	<u>53,108</u>
Leakance: (gal/d ft ³):			<u>1.87x10⁻¹</u>	<u>1.5x10⁻¹</u>					
Storage coefficient (dimensionless):	<u>2.5x10⁻⁴</u>		<u>1.87x10⁻³</u>						
Analytical method:	(a)		(b)	(c)	(d)	(d)	(d)	(d)	(d)

Family of drawdown curves plotted and analyzed by (a) Hantush (1960) steady-state, leaky artesian, confining bed storage method and (b) Hantush and Jacob (1955) nonsteady-state, leaky artesian no confining bed storage method. (c) Distance-drawdown data plotted and matched to the Bessel Function logarithmic type curve. Jacob (1946) steady-state leaky artesian method. (d) Drawdown data are analyzed by the Neuman and Witherspoon (1972) ratio method. This method determines the vertical hydraulic diffusivity of a confining bed. It analyses the hydraulic response in the confining bed and the pumped aquifer that is caused by pumping from a sub- or supra-adjacent aquifer. (continued)

AQUIFER PERFORMANCE TEST NUMBER: LK1

Observation Wells

Well I.D. number:	<u>LK752E</u>	<u>LK753N</u>	<u>LK754N</u>	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>62</u>	<u>100</u>	<u>300</u>	_____	_____	_____	_____	_____
Casing length (ft):	<u>12</u>	<u>12.3</u>	<u>11.8</u>	_____	_____	_____	_____	_____
Casing diameter (in):	<u>2</u>	<u>2</u>	<u>2</u>	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>15</u>	<u>15.3</u>	<u>14.8</u>	_____	_____	_____	_____	_____
Total depth (ft):	<u>15</u>	<u>15.3</u>	<u>14.8</u>	_____	_____	_____	_____	_____
Screened interval (ft):	<u>3</u>	<u>3</u>	<u>3</u>	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>119,680</u>	<u>64,328</u>	<u>24,684</u>	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____
	(d)	(d)	(d)	_____	_____	_____	_____	_____

Analytical method: (d) Drawdown data are analyzed by the Neuman and Witherspoon (1972) ratio method. This method determines the vertical hydraulic diffusivity of a confining bed. It analyses the hydraulic response in the confining bed and the pumped aquifer that is caused by pumping from a sub- or supra-adjacent aquifer.

AQUIFER PERFORMANCE TEST NUMBER: LK2

General

Test Production Well (TPW)

County:	Lake	Well I.D. number:	828-154-2
Section, Township, Range:	21,23,24	Casing length (ft):	
Latitude/Longitude:	2828/8154	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	260
Test performed by:		Total depth (ft):	
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: LK2

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u> </u>							
Distance from TPW (ft):	<u> </u>								
Casing length (ft):	<u> </u>								
Casing diameter (in):	<u> </u>								
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>								
Screened interval (ft):	<u> </u>								
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>293,000</u>	<u> </u>							
Leakance: (gal/d ft ³):	<u>3.6x10⁻²</u>	<u> </u>							
Storage coefficient (dimensionless):	<u>1.3x10⁻²</u>	<u> </u>							

Analytical method: The data were analyzed by the Theis (1935) method and by the family of leaky aquifer type-curves by Cooper (1963). Parameters determined by observations in the pump well were according to Jacob (1950).

AQUIFER PERFORMANCE TEST NUMBER: LK3

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Lake	Well I.D. number:	822-149-1
Section, Township, Range:		Casing length (ft):	100
Latitude/Longitude:	2822/8149	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	92
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	192
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: LK3

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>32,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: LK4

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Lake	Well I.D. number:	832-154-1
Section, Township, Range:		Casing length (ft):	63
Latitude/Longitude:	2832/8154	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	97
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	160
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: LK4

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>28,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: LK5

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Lake	Well I.D. number:	2
Section, Township, Range:	19,19,24	Casing length (ft):	199
Latitude/Longitude:	2849/8155	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	395
Test performed for:	Countryside P.U.D	Aquifer penetration (ft):	395 *
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	594
Date of test:	4/29/86	Screened interval (ft):	
Length of test:	72 hours and 12 minutes	Discharge (gpm):	1,016
Reference:	Jammal & Associates, Inc. 1986a CUP application No. 2-069-0727A		

* 149 ft of the Upper Floridan aquifer was cased off

AQUIFER PERFORMANCE TEST NUMBER: LK5

Observation Wells

Well I.D. number:	(TPW)	1	1						
Distance from TPW (ft):		100.7							
Casing length (ft):		230							
Casing diameter (in):		*							
Open hole length (ft):		320							
Aquifer penetration (ft):		320**							
Total depth (ft):		550							
Screened interval (ft):									

Other:

* 12 in. casing from 0 to 130 ft and 8 in. casing from 110 to 230 ft
 ** 180 ft of the Upper Floridan aquifer cased off

Aquifer Coefficients

Transmissivity (gal/d ft):		158,000	140,000	153,000					
Leakance: (gal/d ft ³):			1.6×10^{-2}	1.7×10^{-2}					
Storage coefficient (dimensionless):			1.4×10^{-2}	9.8×10^{-3}					
		(a)	(b)	(a)					

Analytical method: Hantush and Jacob (1955) solution for leaky confined aquifers, type-curve matching technique, and Jacob (1963)

- (a) Recovery
- (b) Drawdown

AQUIFER PERFORMANCE TEST NUMBER: LK6

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Lake	Well I.D. number:	5
Section, Township, Range:	07,19,28	Casing length (ft):	65
Latitude/Longitude:	285128/813242	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	135
Test performed for:	Jon's Nursery, Inc.	Aquifer penetration (ft):	
Test performed by:	Dyer, Riddle, Mills, & Precourt	Total depth (ft):	200
Date of test:	11/28/90	Screened interval (ft):	
Length of test:	48 hours	Discharge (gpm):	600
Reference:	Dyer, Riddle, Mills, & Precourt 1990a		

AQUIFER PERFORMANCE TEST NUMBER: LK6

Observation Wells

Well I.D. number:	<u>10</u>	<u>S-1</u>	<u>S-2</u>	<u> </u>					
Distance from TPW (ft):	<u>42</u>	<u>1,015</u>	<u>44</u>	<u> </u>					
Casing length (ft):	<u>65</u>	<u>50</u>	<u>36</u>	<u> </u>					
Casing diameter (in):	<u>4</u>	<u>2</u>	<u>2</u>	<u> </u>					
Open hole length (ft):	<u>60</u>	<u>10</u>	<u>7</u>	<u> </u>					
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u>125</u>	<u>60</u>	<u>43</u>	<u> </u>					
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other:	S-1 and S-2 were used for observing the surficial aquifer.								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>319,479</u>	<u> </u>							
Leakance: (gal/d ft ³):	<u>2.5x10⁻²</u>	<u> </u>							
Storage coefficient (dimensionless):	<u>2.9x10⁻⁵</u>	<u> </u>							
Analytical method:	Hantush and Jacob curve matching								

AQUIFER PERFORMANCE TEST NUMBER: MR1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Marion	Well I.D. number:	*
Section, Township, Range:	05,17,21	Casing length (ft):	37
Latitude/Longitude:	2903/8213	Casing diameter (in):	13
Aquifer tested:	Shallow	Open hole length (ft):	25.9
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	66.3
Date of test:	10/25/74	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	314
Reference:	Tibbals 1975		

* Well I.D. number not provided in reference document.

AQUIFER PERFORMANCE TEST NUMBER: MR1

Observation Wells

Well I.D. number: N105 _____
Distance from TPW (ft): 10.4 _____
Casing length (ft): 32 _____
Casing diameter (in): 13 _____
Open hole length (ft): 36.5 _____
Aquifer penetration (ft): _____
Total depth (ft): 68.5 _____
Screened interval (ft): _____

Other: A total of thirteen observation wells were used for test (coefficient reported for only one).

Aquifer Coefficients

Transmissivity (gal/d ft): 27,300 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____

Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: MR2

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Marion	Well I.D. number:	*
Section, Township, Range:	20,15,23	Casing length (ft):	35.8
Latitude/Longitude:	2909/8202	Casing diameter (in):	24
Aquifer tested:		Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	49.3
Date of test:	1/9/75	Screened interval (ft):	5.5
Length of test:	24 hours	Discharge (gpm):	105
Reference:	Tibbals 1975		

* Well I.D. number not provided in reference document.

AQUIFER PERFORMANCE TEST NUMBER: MR2

Observation Wells

	<u>NW10S</u>	<u>NE10DI</u>	<u>SE10DZ</u>	_____	_____	_____	_____	_____
Well I.D. number:								
Distance from TPW (ft):	<u>11.4</u>	<u>10.2</u>	<u>10.2</u>					
Casing length (ft):	<u>48</u>	<u>55.7</u>	<u>63.6</u>					
Casing diameter (in):	<u>6</u>	<u>6</u>	<u>6</u>					
Open hole length (ft):	<u>3</u>	<u>1</u>	<u>1</u>					
Aquifer penetration (ft):	_____	_____	_____					
Total depth (ft):	<u>48</u>	<u>55.7</u>	<u>63.6</u>					
Screened interval (ft):	_____	_____	_____					
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>5,200</u>	<u>2,700</u>	<u>*120,000</u>	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Hantush (1964 and 1967)

*Deep values considered invalid; a total of fourteen observation wells used for test (coefficients reported for three).

AQUIFER PERFORMANCE TEST NUMBER: MR3

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Marion	Well I.D. number:	*
Section, Township, Range:	31,15,23	Casing length (ft):	48.4
Latitude/Longitude:	2908/8203	Casing diameter (in):	13
Aquifer tested:		Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	62.4
Date of test:	1/29/75	Screened interval (ft):	14.4
Length of test:	23 hours	Discharge (gpm):	255
Reference:	Tibbals 1975		

* Well I.D. number not provided in reference document.

AQUIFER PERFORMANCE TEST NUMBER: MR3

Observation Wells

	<u>NW10S</u>	<u>NE10D</u>	<u>NE20S</u>	_____	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	<u>12.6</u>	<u>10.6</u>	<u>20.4</u>						
Casing length (ft):	<u>62</u>	<u>84.4</u>	<u>61.5</u>						
Casing diameter (in):	<u>6</u>	<u>6</u>	<u>6</u>						
Open hole length (ft):	<u>15</u>	<u>2.4</u>	<u>15.5</u>						
Aquifer penetration (ft):	_____	_____	_____						
Total depth (ft):	<u>62</u>	<u>84.4</u>	<u>61.5</u>						
Screened interval (ft):	_____	_____	_____						

Other: A total of eleven observation wells were used for test (coefficients reported for only three).

Aquifer Coefficients

	Shallow	Intermediate	Deep	Aquifers	_____	_____	_____	_____	_____
Transmissivity (gal/d ft):	<u>46,000</u>	<u>160,000</u>	<u>220,000</u>						
Leakance: (gal/d ft ³):	_____	_____	_____						
Storage coefficient (dimensionless):	_____	_____	_____						

Analytical method: Weeks 1969

AQUIFER PERFORMANCE TEST NUMBER: MR4

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Marion	Well I.D. number:	3
Section, Township, Range:	22,16,20	Casing length (ft):	115
Latitude/Longitude:	2905/8217	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	85
Test performed for:	Circle Square	Aquifer penetration (ft):	100
Test performed by:	Law Engineering Co.	Total depth (ft):	200
Date of test:	1982	Screened interval (ft):	
Length of test:	48 hours	Discharge (gpm):	1,460
Reference:	Southwest Florida Water Management District 1987		

AQUIFER PERFORMANCE TEST NUMBER: MR4

Observation Wells

Well I.D. number:	<u> * </u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u> 53 </u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u> 115 </u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u> 6 </u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u> 200 </u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	Partially penetrating well								

* Well I.D. number not provided in reference document.

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>465,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.7x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>6.2x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: MR5

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Marion	Well I.D. number:	4
Section, Township, Range:	27,17,21	Casing length (ft):	107
Latitude/Longitude:	2859/8212	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	193
Test performed for:	Marion Oaks	Aquifer penetration (ft):	240
Test performed by:	R.E. Hedke	Total depth (ft):	300
Date of test:		Screened interval (ft):	
Length of test:	4 hours	Discharge (gpm):	460-750
Reference:	Southwest Florida Water Management District 1987		

AQUIFER PERFORMANCE TEST NUMBER: MR5

Observation Wells

Well I.D. number: _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: Partially penetrating well

Aquifer Coefficients

Transmissivity (gal/d ft): 500,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient (dimensionless): 5.0x10⁻⁴ _____
Analytical method: Transmissivity value estimated from step drawdown test assuming a value for storage coefficient.

AQUIFER PERFORMANCE TEST NUMBER: MR6

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Marion	Well I.D. number:	A-1
Section, Township, Range:	15,16,23	Casing length (ft):	105
Latitude/Longitude:	2906/8200	Casing diameter (in):	12
Aquifer tested:	Floridan (Ocala limestone)	Open hole length (ft):	
Test performed for:	Silver Springs Shores	Aquifer penetration (ft):	
Test performed by:	Geraghty & Miller, Inc.	Total depth (ft):	225
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Geraghty & Miller, Inc. 1983 CUP No. 2-083-0163AN		

AQUIFER PERFORMANCE TEST NUMBER: MR6

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>250,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Pump test evaluation data were not available in report.

AQUIFER PERFORMANCE TEST NUMBER: MR7

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Marion	Well I.D. number:	B-1
Section, Township, Range:	22,16,23	Casing length (ft):	126
Latitude/Longitude:	2905/8200	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	222
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Geraghty & Miller, Inc. 1983 CUP No. 2-083-0163AN		

AQUIFER PERFORMANCE TEST NUMBER: MR7

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 500,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Pump test evaluation data were not available in report.

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AQUIFER PERFORMANCE TEST NUMBER: NS1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Nassau	Well I.D. number:	3038400812735.01 (1)
Section, Township, Range:	26,03N,28	Casing length (ft):	546
Latitude/Longitude:	303840/812735	Casing diameter (in):	
Aquifer tested:	Upper Floridan	Open hole length (ft):	454
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,000
Date of test:	09/30/77	Screened interval (ft):	
Length of test:		Discharge (gpm):	2,639
Reference:	Bentley 1979 and supplemented with data obtained from U.S. Geological Survey files (Jacksonville, Florida)		

NOTE: In this case, there were eight test production wells pumping at one time, and two aquifer coefficients were computed for one observation well, "A".

AQUIFER PERFORMANCE TEST NUMBER: NS1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Nassau	Well I.D. number:	3038230812730.03 (2)
Section, Township, Range:		Casing length (ft):	600
Latitude/Longitude:	303823/812730	Casing diameter (in):	
Aquifer tested:		Open hole length (ft):	500
Test Performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,100
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	2,151
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: NS1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Nassau	Well I.D. number:	3038120812737.01 (3)
Section, Township, Range:		Casing length (ft):	560
Latitude/Longitude:	303812/812737	Casing diameter (in):	
Aquifer tested:		Open hole length (ft):	440
Test Performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,000
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	2,566
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: NS1

General

Test Production Well (TPW)

County:	Nassau	Well I.D. number:	3039330812746.02 (4)
Section, Township, Range:	23,03N,28	Casing length (ft):	
Latitude/Longitude:	303933/812746	Casing diameter (in):	
Aquifer tested:		Open hole length (ft):	
Test Performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,840
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	3,055
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: NS1

<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Nassau	Well I.D. number: 3039470812754.02 (5)
Section, Township, Range:		Casing length (ft): 535
Latitude/Longitude:	303947/812754	Casing diameter (in):
Aquifer tested:		Open hole length (ft):
Test Performed for:		Aquifer penetration (ft):
Test performed by:		Total depth (ft): 1,700
Date of test:		Screened interval (ft):
Length of test:		Discharge (gpm): 2,223
Reference:		

AQUIFER PERFORMANCE TEST NUMBER: NS1

General

Test Production Well (TPW)

County:	Nassau	Well I.D. number:	3039400812818.01 (6)
Section, Township, Range:	21,03N,28	Casing length (ft):	
Latitude/Longitude:	303940/812818	Casing diameter (in):	
Aquifer tested:		Open hole length (ft):	
Test Performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,100
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	2,083
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: NS1

General

Test Production Well (TPW)

County:	Nassau	Well I.D. number:	3039580812804.01 (7)
Section, Township, Range:		Casing length (ft):	560
Latitude/Longitude:	303958/812804	Casing diameter (in):	
Aquifer tested:		Open hole length (ft):	490
Test Performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,050
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	2,151
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: NS1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Nassau	Well I.D. number:	3039350812837.01 (8)
Section, Township, Range:		Casing length (ft):	560
Latitude/Longitude:	303935/812837	Casing diameter (in):	
Aquifer tested:		Open hole length (ft):	502
Test Performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,062
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	2,494
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: NS1

Observation Wells

Well I.D. number:	<u> * </u>	<u> ** </u>	<u> </u>						
Distance from TPW (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing length (ft):	<u> 557 </u>	<u> </u>							
Casing diameter (in):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u> 513 </u>	<u> </u>							
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u> 1,070 </u>	<u> </u>							
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Other: Well I.D. number: * 3038360812742.01 ** 3039350812837.01 (8)
 Section, Township, Range: * 26, 03N, 28
 Latitude/Longitude: * 303836/812742

Aquifer Coefficients

Transmissivity (gal/d ft):	<u> 224,400 </u>	<u> 228,140 </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u> 2.5x10⁻⁴ </u>	<u> 4.0x10⁻⁴ </u>	<u> </u>						
	(a)	(b)							

Analytical method: Data were analyzed by a modified Cooper and Jacob (1946) generalized graphical method.

- (a) Recovery
- (b) Drawdown

AQUIFER PERFORMANCE TEST NUMBER: NS2

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	Nassau	Well I.D. number:	PW
Section, Township, Range:	43,02,27	Casing length (ft):	
Latitude/Longitude:	3034/8134	Casing diameter (in):	
Aquifer tested:	Surficial	Open hole length (ft):	2
Test performed for:	BHR Planning Group, Inc.	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	80
Date of test:	3/31/87	Screened interval (ft):	
Length of test:	9 hours	Discharge (gpm):	50
Reference:	G. Warren Leve, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: NS2

Observation Wells

Well I.D. number:	*	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	30	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Other: * Well I.D. number not provided in referenced document.

Aquifer Coefficients

Transmissivity (gal/d ft):	7,162	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	0.06	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Boulton (1963) delayed-yield equation method for unconfined aquifers

AQUIFER PERFORMANCE TEST NUMBER: OR1

General

Test Production Well (TPW)

County:	Orange	Well I.D. number:	822-138-1
Section, Township, Range:		Casing length (ft):	103
Latitude/Longitude:	2822/8138	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	215
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	318
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: OR1

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 26,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: OR2

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	831-122-4
Section, Township, Range:	01,23,29	Casing length (ft):	77
Latitude/Longitude:	2831/8122	Casing diameter (in):	12
Aquifer tested:	Floridan, upper zone	Open hole length (ft):	287
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	364
Date of test:	2/17/61	Screened interval (ft):	
Length of test:	11 hours	Discharge (gpm):	1,100
Reference:	Lichtler, Anderson, and Joyner 1968		

AQUIFER PERFORMANCE TEST NUMBER: OR2

Observation Wells

Well I.D. number:	<u>831-122-15</u>	<u>831-121-6</u>	<u>831-121-7</u>	<u>831-122-18</u>	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>750</u>	<u>950</u>	<u>1,900</u>	<u>3,900</u>	_____	_____	_____	_____	_____
Casing length (ft):	<u>88</u>	<u>115</u>	<u>315</u>	<u>114</u>	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>262</u>	<u>220</u>	<u>113</u>	<u>321</u>	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>350</u>	<u>335</u>	<u>428</u>	<u>435</u>	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Well 831-121-6:	Section, Township, Range: 31,22,30				_____	_____	_____	_____	_____
	Latitude/Longitude: 2831/8121				_____	_____	_____	_____	_____
Well 831-121-7:	Latitude/Longitude: 2831/8121				_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>455,000</u>	<u>440,000</u>	<u>745,000</u>	<u>745,000</u>	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.3x10⁻¹</u>	<u>3.1x10⁻¹</u>	<u>7.4x10⁻²</u>	<u>4.9x10⁻²</u>	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>7.1x10⁻⁴</u>	<u>3.1x10⁻³</u>	<u>8.3x10⁻⁴</u>	<u>8.3x10⁻⁴</u>	_____	_____	_____	_____	_____

Analytical method: Family of leaky artesian aquifer type-curves by Cooper (1963)

AQUIFER PERFORMANCE TEST NUMBER: OR3

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	836-128-1
Section, Township, Range:	36,21,28	Casing length (ft):	147
Latitude/Longitude:	2836/8128	Casing diameter (in):	20
Aquifer tested:	Floridan	Open hole length (ft):	240
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	387
Date of test:	10/15/62	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	1,535
Reference:	Lichtler, Anderson, and Joyner 1968		

AQUIFER PERFORMANCE TEST NUMBER: OR3

Observation Wells

Well I.D. number:	<u>836-128-2</u>	<u>836-128-3</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>63</u>	<u>471</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>123</u>	<u>153</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>197</u>	<u>212</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>320</u>	<u>365</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>130,000</u>	<u>412,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>3.17x10⁻¹</u>	<u>7.4x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.16x10⁻³</u>	<u>6.7x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____

Analytical method: Family of leaky artesian aquifer type-curves by Cooper (1963)

AQUIFER PERFORMANCE TEST NUMBER: OR4

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	825-107-3 (Cocoa 13)
Section, Township, Range:	05,24,32	Casing length (ft):	244
Latitude/Longitude:	282531/810756	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	265
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	509
Date of test:	1/3/63	Screened interval (ft):	
Length of test:	30 hours	Discharge (gpm):	2,100
Reference:	Lichtler, Anderson, and Joyner 1968		

AQUIFER PERFORMANCE TEST NUMBER: OR4

Observation Wells

	<u>Cocoa B</u>	<u>Cocoa 14</u>	<u>Cocoa D</u>	_____	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	<u>129</u>	<u>2,400</u>	<u>11,300</u>						
Casing length (ft):	<u>335</u>	<u>252</u>	<u>226</u>						
Casing diameter (in):	<u>4</u>	<u>12</u>	<u>4</u>						
Open hole length (ft):	<u>180</u>	<u>509</u>	<u>74</u>						
Aquifer penetration (ft):	_____	_____	_____						
Total depth (ft):	<u>515</u>	<u>761</u>	<u>300</u>						
Screened interval (ft):	_____	_____	_____						

Other: Well I.D. number: Cocoa B: 825-107-4; Cocoa 14: 825-108-1; Cocoa D: 825-109-1
 Section, Township, Range: Cocoa D: 06, 24, 32
 Latitude/Longitude: Cocoa B: 282532/810756; Cocoa 14: 282531/810822; Cocoa D: 282531/810957

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>350,000</u>	<u>550,000</u>	<u>545,000</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>2.0x10⁻³</u>	<u>1.0x10⁻³</u>	<u>4.0x10⁻³</u>	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>7.0x10⁻⁵</u>	<u>3.0x10⁻¹</u>	<u>6.3x10⁻⁴</u>	_____	_____	_____	_____	_____	_____
Analytical method:	Family of leaky artesian aquifer type-curves by Cooper (1963)								

AQUIFER PERFORMANCE TEST NUMBER: OR5

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	832-120-13
Section, Township, Range:	32,22,30	Casing length (ft):	1,063
Latitude/Longitude:	2832/8120	Casing diameter (in):	
Aquifer tested:	Floridan, lower zone	Open hole length (ft):	184
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	1,247
Date of test:	3/13/64	Screened interval (ft):	
Length of test:	10 hours	Discharge (gpm):	3,200
Reference:	Lichtler, Anderson, and Joyner 1968		

AQUIFER PERFORMANCE TEST NUMBER: OR5

Observation Wells

Well I.D. number: 832-120-14 _____
Distance from TPW (ft): 900 _____
Casing length (ft): 1,053 _____
Casing diameter (in): _____
Open hole length (ft): 187 _____
Aquifer penetration (ft): _____
Total depth (ft): 1,240 _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 4,300,000 _____
Leakance: (gal/d ft³): 9.0x10⁻⁵ _____
Storage coefficient
(dimensionless): 7.0x10⁻⁸ _____
Analytical method: Family of leaky artesian aquifer type-curves by Cooper (1963)

AQUIFER PERFORMANCE TEST NUMBER: OR6

General

Test Production Well (TPW)

County:	Orange	Well I.D. number:	2825300810542.03 (Cocoa 7-T)
Section, Township, Range:	02,24,32	Casing length (ft):	70
Latitude/Longitude:	282530/810542	Casing diameter (in):	16
Aquifer tested:	Intermediate artesian, shell bed	Open hole length (ft):	102
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	172
Date of test:	9/25/69	Screened interval (ft):	
Length of test:	10 days	Discharge (gpm):	700
Reference:	Tibbals and Frazee 1976		

AQUIFER PERFORMANCE TEST NUMBER: OR6

Observation Wells

Well I.D. number: Cocoa 1-T _____
Distance from TPW (ft): 2,100 _____
Casing length (ft): 200 _____
Casing diameter (in): 12 _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): 200 _____
Screened interval (ft): 85-100 and 130-200 _____

Other: Well I.D. number: Cocoa T: 2825100810545.03
Section, Township, Range: 10, 24, 32
Latitude/Longitude: 282510/810545

Aquifer Coefficients

Transmissivity (gal/d ft): 17,578 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 1.0x10⁻³ _____

Analytical method: Pump test analyzed by Theis (1935) nonequilibrium type-curve matching method.

AQUIFER PERFORMANCE TEST NUMBER: OR7

	<u>General</u>	<u>Test Production Well (TPW)</u>
County:	Orange	Well I.D. number: 2825300810542.3 (Cocoa 7-T)
Section, Township, Range:	02,24,32	Casing length (ft): 70
Latitude/Longitude:	282530/810542	Casing diameter (in): 16
Aquifer tested:	Secondary artesian aquifer	Open hole length (ft): 102
Test performed for:	City of Cocoa	Aquifer penetration (ft):
Test performed by:		Total depth (ft): 172
Date of test:	3/2/70	Screened interval (ft):
Length of test:	27 hours	Discharge (gpm): 700
Reference:	Tibbals and Frazee 1976	

AQUIFER PERFORMANCE TEST NUMBER: OR7

Observation Wells

Well I.D. number:	<u>Cocoa 0</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>99</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>71</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>20</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>91</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Cocoa 0:	2825310810543.1								
Latitude/Longitude:	282531/810543								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>31,800</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>3.0x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical Method: Pump test analyzed by Theis (1935) nonequilibrium type-curve matching method.

AQUIFER PERFORMANCE TEST NUMBER: OR8

General

Test Production Well (TPW)

County:	Orange	Well I.D. number:	2824120810447.01 (Cocoa 12A)
Section, Township, Range:	14,24,32	Casing length (ft):	275
Latitude/Longitude:	282412/810447	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	325
Test performed for:	City of Cocoa	Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	600
Date of test:	12/1/69	Screened interval (ft):	
Length of test:		Discharge (gpm):	1,000
Reference:	Tibbals and Frazee 1976		

AQUIFER PERFORMANCE TEST NUMBER: OR8

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>Cocoa A</u>	<u> </u>						
Distance from TPW (ft):	<u> </u>	<u>5,200</u>	<u> </u>						
Casing length (ft):	<u> </u>	<u>301</u>	<u> </u>						
Casing diameter (in):	<u> </u>	<u>10</u>	<u> </u>						
Open hole length (ft):	<u> </u>	<u>215</u>	<u> </u>						
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>	<u>516</u>	<u> </u>						
Screened interval (ft):	<u> </u>								

Other: Well I.D. number: Cocoa A: 2823410810401.1
Section, Township, Range: 13,24,32
Latitude/Longitude: 282341/810401

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>3,814,800</u>	<u>4,114,000</u>	<u> </u>						
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u> </u>	<u>9.0x10⁻⁴</u>	<u> </u>						

Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: OR9

General

Test Production Well (TPW)

County:	Orange	Well I.D. number:	2825300810542.1 (Cocoa 7)
Section, Township, Range:	02,24,32	Casing length (ft):	285
Latitude/Longitude:	282530/810542	Casing diameter (in):	12 *
Aquifer tested:	Floridan	Open hole length (ft):	205
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	490
Date of test:	12/4/69	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	980
Reference:	Tibbals and Frazee 1976		

* Relined with 8 in. from 250 to 285 ft

AQUIFER PERFORMANCE TEST NUMBER: OR9

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>Cocoa 1</u>	<u> </u>						
Distance from TPW (ft):	<u> </u>	<u>2,100</u>	<u> </u>						
Casing length (ft):	<u> </u>	<u>316</u>	<u> </u>						
Casing diameter (in):	<u> </u>	<u>20</u>	<u> </u>						
Open hole length (ft):	<u> </u>	<u>394</u>	<u> </u>						
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>	<u>710*</u>	<u> </u>						
Screened interval (ft):	<u> </u>								

Other: Well I.D. number: Cocoa 1: 2825100810545.1
Section, Township, Range: 10,24,32
Latitude/Longitude: 282510/810545

* Originally the well was 1,287 ft deep—the bottom 577 ft were plugged.

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>1,570,800</u>	<u>5,610,000</u>	<u> </u>						
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u> </u>	<u>7.0x10⁻⁵</u>	<u> </u>						

Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: OR10

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	2
Section, Township, Range:	24,22,29	Casing length (ft):	947
Latitude/Longitude:	2833/8122	Casing diameter (in):	16
Aquifer tested:	Floridan, lower zone	Open hole length (ft):	198
Test performed for:	Lake Highland Plant of Orlando Utilities Co.	Aquifer penetration (ft):	
Test performed by:	CH2M HILL	Total depth (ft):	1,145
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	3,500
Reference:	CH2M HILL 1979 CUP No. 2-095-0002		

AQUIFER PERFORMANCE TEST NUMBER: OR10

Observation Wells

Well I.D. number:	<u>1</u>	<u>3</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>825</u>	<u>1,365</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>956</u>	<u>1,047</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>16</u>	<u>16</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>203</u>	<u>99</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>1,159</u>	<u>1,146</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer Coefficients									
Transmissivity (gal/d ft):	<u>5,000,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>2.0x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Theis (1935) as modified by Jacob (1940), Lohman (1961), and Walton (1970)
 CH2MHILL published the aquifer coefficients as preliminary values.

AQUIFER PERFORMANCE TEST NUMBER: OR11

	<u>General</u>	<u>Test Production Well (TPW)</u>
County:	Orange	Well I.D. number: 6
Section, Township, Range:	15,24,33	Casing length (ft): 40
Latitude/Longitude:	2824/8100	Casing diameter (in): 4
Aquifer tested:	Surficial, sandy	Open hole length (ft):
Test performed for:	City of Cocoa	Aquifer penetration (ft):
Test performed by:	CH2M HILL	Total depth (ft): 70
Date of test:		Screened interval (ft): 40-65
Length of test:		Discharge (gpm): *5; 19; 25
Reference:	CH2M HILL 1983	

*Transmissivity (T) and Discharge (Q) are listed in the same order (i.e., Q of correlates with a T of 16,000)

AQUIFER PERFORMANCE TEST NUMBER: OR11

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	<u>(TPW)</u>	<u> </u>					
Distance from TPW (ft):	<u> </u>								
Casing length (ft):	<u> </u>								
Casing diameter (in):	<u> </u>								
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>								
Screened interval (ft):	<u> </u>								
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>*16,000</u>	<u>*4,800</u>	<u>*12,000</u>	<u> </u>					
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	(a)	(b)	(c)						

Analytical method: (a) Cooper and Jacob drawdown (1946)
 (b) Theis recovery (1935)
 (c) Gleason/South Florida Water Management District step-down evaluation technique

*Transmissivity (T) and Discharge (Q) are listed in the same order (i.e., Q of 5 correlates with a T of 16,000)

AQUIFER PERFORMANCE TEST NUMBER: OR12

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	2
Section, Township, Range:	18,24,33	Casing length (ft):	38
Latitude/Longitude:	2824/8103	Casing diameter (in):	4
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	112
Date of test:		Screened interval (ft):	38-48, 58-68, 92-107
Length of test:		Discharge (gpm):	40; *70; *98
Reference:	CH2M HILL 1983		

*Transmissivity (T) and Discharge (Q) are in the same order (i.e. Q of 70 correlates with a T of 18,000)

AQUIFER PERFORMANCE TEST NUMBER: OR12

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>*18,000</u>	<u>*28,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)							

Analytical method: (a) Theis recovery (1935)
 (b) Gleason/South Florida Water Management District step-down technique

*Transmissivity (T) and Discharge (Q) are in the same order (i.e. Q of 70 correlates with a T of 18,000)

AQUIFER PERFORMANCE TEST NUMBER: OR13

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	1
Section, Township, Range:	01,24,32	Casing length (ft):	65
Latitude/Longitude:	2826/8104	Casing diameter (in):	4
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	100
Date of test:		Screened interval (ft):	65-90
Length of test:		Discharge (gpm):	*37; 64; 97
Reference:	CH2M HILL 1983		

*Transmissivity (T) and Discharge (Q) are in the same order (i.e. Q of 37 correlates with a T of 37,000)

AQUIFER PERFORMANCE TEST NUMBER: OR13

Observation Wells

Well I.D. number:	<u> (TPW) </u>	<u> (TPW) </u>	<u> (TPW) </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Distance from TPW (ft):	<u> </u>								
Casing length (ft):	<u> </u>								
Casing diameter (in):	<u> </u>								
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>								
Screened interval (ft):	<u> </u>								
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u> *37,000 </u>	<u> *41,000 </u>	<u> *18,000 </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Leakance: (gal/d ft ³):	<u> </u>								
Storage coefficient (dimensionless):	<u> </u>								
	(a)	(b)	(c)						

Analytical method: (a) Cooper and Jacob drawdown (1946)
 (b) Theis recovery (1935)
 (c) Gleason/South Florida Water Management District step-down evaluation technique

*Transmissivity (T) and Discharge (Q) are in the same order (i.e. Q of 37 correlates with a T of 37,000)

AQUIFER PERFORMANCE TEST NUMBER: OR14

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Orange	Well I.D. number:	13
Section, Township, Range:	01,24,32	Casing length (ft):	55.3
Latitude/Longitude:	2826/8103	Casing diameter (in):	4
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	103
Date of test:		Screened interval (ft):	55.3-65, 83-98
Length of test:		Discharge (gpm):	*10.1; 22.9; 35.3
Reference:	CH2M HILL 1983		

*Transmissivity (T) and Discharge (Q) are in the same order (i.e. Q of 10.1 correlates with a T of 15,000)

AQUIFER PERFORMANCE TEST NUMBER: OR14

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	<u> </u>						
Distance from TPW (ft):	<u> </u>								
Casing length (ft):	<u> </u>								
Casing diameter (in):	<u> </u>								
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>								
Screened interval (ft):	<u> </u>								
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>*15,000</u>	<u>*9,300</u>	<u>*9,000</u>	<u> </u>					
Leakance: (gal/d ft ³):	<u> </u>								
Storage coefficient (dimensionless):	<u> </u>								

Analytical method: (a) Cooper and Jacob drawdown (1946)
 (b) Theis recovery (1935)
 (c) Gleason/South Florida Water Management District step-down evaluation technique

*Transmissivity (T) and Discharge (Q) are in the same order (i.e. Q of 10.1 correlates with a T of 15,000)

AQUIFER PERFORMANCE TEST NUMBER: OS1

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2759010811215.01 (17)
Section, Township, Range:	03,29,31	Casing length (ft):	258
Latitude/Longitude:	275901/811215	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	370
Test performed for:		Aquifer penetration (ft):	258
Test performed by:		Total depth (ft):	628
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	374
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS1

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>44,880</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS2

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2809050812701.01 (30)
Section, Township, Range:	01,27,28	Casing length (ft):	134
Latitude/Longitude:	280905/812701	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	164
Test performed for:		Aquifer penetration (ft):	264
Test performed by:		Total depth (ft):	398
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	300
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS2

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 44,880 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Transmissivity was derived from specific capacity tests—Brown (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS3

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2810370810751.01 (33)
Section, Township, Range:	04,27,32	Casing length (ft):	282
Latitude/Longitude:	281037/810751	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	175
Test performed for:		Aquifer penetration (ft):	100
Test performed by:		Total depth (ft):	457
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	270
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS3

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>142,120</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS4

General

Test Production Well (TPW)

County: Osceola
Section, Township, Range: 29,26,33
Latitude/Longitude: 281116/810241
Aquifer tested: Floridan
Test performed for:
Test performed by:
Date of test:
Length of test:
Reference: Planert and Aucott 1985

Well I.D. number: 2811160810241.01 (34)
Casing length (ft): 210
Casing diameter (in): 12
Open hole length (ft): 302
Aquifer penetration (ft): 183
Total depth (ft): 512
Screened interval (ft):
Discharge (gpm): 305

AQUIFER PERFORMANCE TEST NUMBER: OS4

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>14,960</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS5

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2811590811428.01 (36)
Section, Township, Range:	29,26,31	Casing length (ft):	322
Latitude/Longitude:	281159/811428	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	300
Test performed for:		Aquifer penetration (ft):	300
Test performed by:		Total depth (ft):	622
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	430
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS5

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other:

Aquifer Coefficients

Transmissivity (gal/d ft): 284,240 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS6

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2816320805150.01 (41)
Section, Township, Range:	25,25,34	Casing length (ft):	
Latitude/Longitude:	281632/805150	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	113
Test performed for:		Aquifer penetration (ft):	113
Test performed by:		Total depth (ft):	253
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	215
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS6

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>52,360</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS7

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2817140810930.01 (43)
Section, Township, Range:	19,25,32	Casing length (ft):	389
Latitude/Longitude:	281714/810930	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	351
Test performed for:		Aquifer penetration (ft):	356
Test performed by:		Total depth (ft):	740
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	276
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS7

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 620,840 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS8

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2817190811340.01 (44)
Section, Township, Range:	21,25,31	Casing length (ft):	239
Latitude/Longitude:	281719/811340	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	235
Test performed for:		Aquifer penetration (ft):	237
Test performed by:		Total depth (ft):	474
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	380
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS8

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>187,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS9

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2818200805405.01 (45)
Section, Township, Range:	15,25,34	Casing length (ft):	108
Latitude/Longitude:	281820/805405	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	495
Test performed for:		Aquifer penetration (ft):	377
Test performed by:		Total depth (ft):	603
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	46
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS9

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):		_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>22,440</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):		_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):		_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS10

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2819190805333.01 (46)
Section, Township, Range:	11,25,34	Casing length (ft):	163
Latitude/Longitude:	281919/805333	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	180
Test performed for:		Aquifer penetration (ft):	108
Test performed by:		Total depth (ft):	343
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	146
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS10

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>29,920</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS11

General

Test Production Well (TPW)

County:	Osceola	Well I.D. number:	2819550813707.01 (49)
Section, Township, Range:	08,25,27	Casing length (ft):	99
Latitude/Longitude:	281955/813707	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	201
Test performed for:		Aquifer penetration (ft):	89
Test performed by:		Total depth (ft):	300
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	240
Reference:	Planert and Aucott 1985		

AQUIFER PERFORMANCE TEST NUMBER: OS11

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>44,880</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Transmissivity was derived from specific capacity tests—Brown's (1963) method. Planert and Aucott (1985) assumed an applied storage coefficient of 2.0×10^{-4} and a pumping period of one day.

AQUIFER PERFORMANCE TEST NUMBER: OS12

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Osceola	Well I.D. number:	*
Section, Township, Range:	07,29,33	Casing length (ft):	68
Latitude/Longitude:	2759/8104	Casing diameter (in):	6
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	18
Test performed by:		Total depth (ft):	88
Date of test:		Screened interval (ft):	68-88
Length of test:	14 hours	Discharge (gpm):	94
Reference:	Planert and Aucott 1985		

* Well I.D. number not provided in reference document.

AQUIFER PERFORMANCE TEST NUMBER: OS13

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Osceola	Well I.D. number:	*
Section, Township, Range:	31,26,33	Casing length (ft):	56
Latitude/Longitude:	2810/8104	Casing diameter (in):	6
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	18
Test performed by:		Total depth (ft):	74
Date of test:		Screened interval (ft):	56-74
Length of test:		Discharge (gpm):	
Reference:	Planert and Aucott 1985		

* Well I.D. number not provided in reference document.

AQUIFER PERFORMANCE TEST NUMBER: OS13

Observation Wells

Well I.D. number:	*	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	2	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____

Other: *At Deseret Ranch, NE of Holopaw, ten observation wells were installed (depth 35-120 ft).
 Details are not given.
 5x10⁻²ft/day vertical hydraulic conductivity for the underlying bed
 1x10⁻⁴ft/day vertical hydraulic conductivity for the overlying bed

Aquifer Coefficients

Transmissivity (gal/d ft):	14,960	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):		_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	0.4x10 ⁻³	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Neuman and Witherspoon (1972); Jacob (1946) steady-state method

AQUIFER PERFORMANCE TEST NUMBER: PK1

General

Test Production Well (TPW)

County:	Polk	Well I.D. number:	810-144-1
Section, Township, Range:	31,26,26	Casing length (ft):	101
Latitude/Longitude:	2810/8144	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	324
Test performed for:		Aquifer penetration (ft):	340
Test performed by:		Total depth (ft):	425
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: PK1

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 110,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Jacob (1950) recovery

AQUIFER PERFORMANCE TEST NUMBER: PK2

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Polk	Well I.D. number:	813-149-1
Section, Township, Range:	17,26,25	Casing length (ft):	78
Latitude/Longitude:	2813/8149	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	139
Test performed for:		Aquifer penetration (ft):	140
Test performed by:		Total depth (ft):	217
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: PK2

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 40,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Jacob (1950) recovery

AQUIFER PERFORMANCE TEST NUMBER: PK3

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Polk	Well I.D. number:	814-139-5
Section, Township, Range:	12,26,27	Casing length (ft):	
Latitude/Longitude:	2814/8139	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	350
Test performed by:		Total depth (ft):	
Date of test:		Screened interval (ft):	
Length of test:	1.7 hours	Discharge (gpm):	1,600
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: PK3

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>815-139-2</u>	<u>815-140-1</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	<u>2,100</u>	<u>3,750</u>	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Other: Section, Township, Range: 815-140-1: 01,26,27
 Latitude/Longitude : 815-139-2: 2815/8139; 815-140-1: 2815/8140

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>120,000</u>	<u>1,150,000</u>	<u>680,000</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	<u>1.2x10⁻²</u>	<u>1.8x10⁻³</u>	_____	_____	_____	_____	_____	_____

Analytical method: Data were analyzed by Theis (1935) method, by the family of leaky aquifer type-curves by Cooper (1963), and by the Jacob (1950) recovery method.

AQUIFER PERFORMANCE TEST NUMBER: PK4

General

Test Production Well (TPW)

County:	Polk	Well I.D. number:	814-143-1
Section, Township, Range:	08,26,26	Casing length (ft):	80
Latitude/Longitude:	2814/8143	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	205
Test performed for:		Aquifer penetration (ft):	200
Test performed by:		Total depth (ft):	285
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: PK4

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 77,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Data were analyzed by the Theis (1935) method, by the family of leaky aquifer type-curves by Cooper (1963); and by the Jacob (1950) recovery method.

AQUIFER PERFORMANCE TEST NUMBER: PK5

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Polk	Well I.D. number:	814-134-1
Section, Township, Range:	11,26,28	Casing length (ft):	85
Latitude/Longitude:	2814/8134	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	165
Test performed for:		Aquifer penetration (ft):	160
Test performed by:		Total depth (ft):	250
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: PK5

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 37,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____

Analytical method: Data were analyzed by the Theis (1935) method, by the family of leaky aquifer type curves by Cooper (1963), and by the Jacob (1950) recovery method.

AQUIFER PERFORMANCE TEST NUMBER: PK6

General

Test Production Well (TPW)

County:	Polk	Well I.D. number:	815-149-3
Section, Township, Range:	05,26,25	Casing length (ft):	
Latitude/Longitude:	2815/8149	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	170
Test performed by:		Total depth (ft):	
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: PK6

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 29,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Data were analyzed by the Theis (1935) method, by the family of leaky aquifer type-curves by Cooper (1963), and by the Jacob (1950) recovery method.

AQUIFER PERFORMANCE TEST NUMBER: PT1

General

Test Production Well (TPW)

County:	Putnam	Well I.D. number:	2939300813436.01 (2)
Section, Township, Range:	04,10,27	Casing length (ft):	
Latitude/Longitude:	293930/813436	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	180
Test performed by:		Total depth (ft):	300
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	390
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: PT1

Observation Wells

Well I.D. number: 2A _____
Distance from TPW (ft): 600 _____
Casing length (ft): 113 _____
Casing diameter (in): _____
Open hole length (ft): 434 _____
Aquifer penetration (ft): _____
Total depth (ft): 547 _____
Screened interval (ft): _____
Other: Well I.D. number: 2A: 2939330813428.01
Latitude/Longitude: 2A: 293933/813428

Aquifer Coefficients

Transmissivity (gal/d ft): 344,080 _____
Leakance: (gal/d ft³): 1.2x10⁻¹ _____
Storage coefficient
(dimensionless): 1.0x10⁻³ _____
Analytical method: Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper

AQUIFER PERFORMANCE TEST NUMBER: PT2

General

Test Production Well (TPW)

County:	Putnam	Well I.D. number:	2940330813502.01 (4)
Section, Township, Range:	33,09,27	Casing length (ft):	
Latitude/Longitude:	294033/813502	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	130
Test performed by:		Total depth (ft):	250
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	200
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: PT2

Observation Wells

Well I.D. number:	<u>4A</u>	<u>4B</u>	<u> </u>						
Distance from TPW (ft):	<u>620</u>	<u>1,700</u>	<u> </u>						
Casing length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u>90</u>	<u> </u>						
Total depth (ft):	<u> </u>	<u>222</u>	<u> </u>						
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other: Well I.D. number:	4A: 2940320813455.01; 4B: 2940450813515.01								
Section, Township, Range:	4A: 34,09,27; 4B: 33,09,27								
Latitude/Longitude:	4A: 294032/813455; 4B: 294045/813515								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>179,520</u>	<u> </u>							
Leakance: (gal/d ft ³):	<u>7.47x10⁻²</u>	<u> </u>							
Storage coefficient (dimensionless):	<u>8.0x10⁻⁴</u>	<u> </u>							
Analytical method:	Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper								

AQUIFER PERFORMANCE TEST NUMBER: PT3

General

Test Production Well (TPW)

County:	Putnam	Well I.D. number:	2942570813247.01 (5)
Section, Township, Range:	33,09,27	Casing length (ft):	
Latitude/Longitude:	294257/813247	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	150
Test performed by:		Total depth (ft):	300
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	660
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: PT3

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>5A</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	<u>650</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	<u>150</u>	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	<u>300</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Well I.D. number:	5A:	2942550813240.01							
Latitude/Longitude:	294255/13240								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>448,800</u>	<u>411,400</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	<u>1.56x10⁻¹</u>	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	<u>1.0x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush-Jacob	matchpoint							

AQUIFER PERFORMANCE TEST NUMBER: PT4

General

Test Production Well (TPW)

County:	Putnam	Well I.D. number:	2945400813833.01 (9)
Section, Township, Range:	31,08,27	Casing length (ft):	
Latitude/Longitude:	294540/813833	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	70
Test performed by:		Total depth (ft):	260
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	120
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: PT4

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>127,160</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob recovery test								

AQUIFER PERFORMANCE TEST NUMBER: PT5

General

Test Production Well (TPW)

County:	Putnam	Well I.D. number:	2932340814241.01 (10)
Section, Township, Range:	17,11,26	Casing length (ft):	
Latitude/Longitude:	293234/814241	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	240
Test performed by:		Total depth (ft):	295
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	120
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: PT5

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>306,680</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line recovery								

AQUIFER PERFORMANCE TEST NUMBER: PT6

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Putnam	Well I.D. number:	943-144-2
Section, Township, Range:	07,09,26	Casing length (ft):	178
Latitude/Longitude:	294301/814428	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	386
Test performed for:		Aquifer penetration (ft):	384
Test performed by:		Total depth (ft):	564
Date of test:		Screened interval (ft):	
Length of test:	49.92 hours	Discharge (gpm):	5,000
Reference:	Bermes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: PT6

Observation Wells

Well I.D. number: 945-143-2 _____
Distance from TPW (ft): 4,720 _____
Casing length (ft): 104 _____
Casing diameter (in): _____
Open hole length (ft): 244 _____
Aquifer penetration (ft): 168 _____
Total depth (ft): 348 _____
Screened interval (ft): _____
Other: Section, Township, Range: 06,09,26
Latitude/Longitude: 2945/8143

Aquifer Coefficients

Transmissivity (gal/d ft): 275,000 _____
Leakance: (gal/d ft³): 1.75x10⁻³ _____
Storage coefficient
(dimensionless): 9.4x10⁻⁴ _____
Analytical method: Cooper (1963) leaky-aquifer type-curve matching method for nonsteady flow in an infinite leaky aquifer

AQUIFER PERFORMANCE TEST NUMBER: PT7

	<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Putnam	Well I.D. number:	940-134-1
Section, Township, Range:	02,10,27	Casing length (ft):	150
Latitude/Longitude:	294025/813400	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	302
Test performed for:		Aquifer penetration (ft):	300
Test performed by:		Total depth (ft):	452
Date of test:		Screened interval (ft):	
Length of test:	7.68 hours	Discharge (gpm):	520
Reference:	Bernes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: PT7

Observation Wells

Well I.D. number: 940-133-1 _____
Distance from TPW (ft): 133 _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): 25 _____
Total depth (ft): 155 _____
Screened interval (ft): _____
Other: Latitude/Longitude: 294025/813358

Aquifer Coefficients

Transmissivity (gal/d ft): 275,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____
Analytical method: Theis recovery

AQUIFER PERFORMANCE TEST NUMBER: PT8

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Putnam	Well I.D. number:	939-134-4
Section, Township, Range:	04,10,27	Casing length (ft):	113
Latitude/Longitude:	293933/813428	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	434
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	547
Date of test:		Screened interval (ft):	
Length of test:	1.68 hours	Discharge (gpm):	150
Reference:	Bermes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: PT8

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>360,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Theis recovery								

AQUIFER PERFORMANCE TEST NUMBER: PT9

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Putnam	Well I.D. number:	940-134-1
Section, Township, Range:	33,09,27	Casing length (ft):	87
Latitude/Longitude:	294025/813400	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	365
Test performed for:		Aquifer penetration (ft):	320
Test performed by:		Total depth (ft):	452
Date of test:		Screened interval (ft):	
Length of test:	7.68 hours	Discharge (gpm):	520
Reference:	Bermes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: PT9

Observation Wells

Well I.D. number: 940-134-3 _____

Distance from TPW (ft): 1,300 _____

Casing length (ft): 150 _____

Casing diameter (in): _____

Open hole length (ft): 302 _____

Aquifer penetration (ft): 320 _____

Total depth (ft): 452 _____

Screened interval (ft): _____

Other: Latitude/Longitude: 293955/813445

Aquifer Coefficients

Transmissivity (gal/d ft): 275,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Theis recovery

AQUIFER PERFORMANCE TEST NUMBER: PT10

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Putnam	Well I.D. number:	P1
Section, Township, Range:	08,09,23	Casing length (ft):	95
Latitude/Longitude:	2943/8201	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	72
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	167
Date of test:		Screened interval (ft):	
Length of test:	9 hours	Discharge (gpm):	450
Reference:	Fenzel 1979		

AQUIFER PERFORMANCE TEST NUMBER: PT10

Observation Wells

Well I.D. number:	<u>P2</u>	<u>P2</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>2,300</u>	<u>2,300</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>988,352</u>	<u>601,979</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>2.35x10⁻³</u>	<u>1.0x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Time-drawdown data were analyzed by Hantush's inflection point method.								

AQUIFER PERFORMANCE TEST NUMBER: PT11

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Putnam	Well I.D. number:	7
Section, Township, Range:	07,13,27	Casing length (ft):	96
Latitude/Longitude:	292257/813532	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	90
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	186
Date of test:	5/78	Screened interval (ft):	
Length of test:	31.7 hours	Discharge (gpm):	334
Reference:	Ross and Munch 1980		

AQUIFER PERFORMANCE TEST NUMBER: PT11

Observation Wells

Well I.D. number:	<u>5</u>	<u>6</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>450</u>	<u>210</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>105</u>	<u>92</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	<u>4</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>85</u>	<u>82</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>190</u>	<u>174</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>127,588</u>	<u>123,472</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.1x10⁻¹</u>	<u>5.7x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>5.0x10⁻⁴</u>	<u>1.9x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____

Analytical method: Modified Hantush (1960) leaky artesian aquifer solution

AQUIFER PERFORMANCE TEST NUMBER: SJ1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	90
Section, Township, Range:	30,07,29	Casing length (ft):	
Latitude/Longitude:	2952/8125	Casing diameter (in):	4
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	87
Test performed by:		Total depth (ft):	87
Date of test:		Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	340
Reference:	Hayes 1981		

AQUIFER PERFORMANCE TEST NUMBER: SJ1

Observation Wells

Well I.D. number:	<u>A-11</u>	<u>A-3</u>	<u> </u>						
Distance from TPW (ft):	<u>55</u>	<u>550</u>	<u> </u>						
Casing length (ft):	<u>62</u>	<u>77</u>	<u> </u>						
Casing diameter (in):	<u>2</u>	<u>2</u>	<u> </u>						
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u>83</u>	<u>99</u>	<u> </u>						
Total depth (ft):	<u>83</u>	<u>99</u>	<u> </u>						
Screened interval (ft):	<u>21</u>	<u>22</u>	<u> </u>						

Other: Section, Township, Range: Well A-3: 31,07,29

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>48,620</u>	<u>52,360</u>	<u> </u>						
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u> </u>	<u>2x10⁻¹</u>	<u> </u>						
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: SJ2

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2939580812842.01 (1)
Section, Township, Range:	04,10,28	Casing length (ft):	
Latitude/Longitude:	293958/812842	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	40
Test performed by:		Total depth (ft):	200
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	220
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ2

Observation Wells

Well I.D. number: 1A _____
Distance from TPW (ft): 850 _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): 250 _____
Total depth (ft): 450 _____
Screened interval (ft): _____
Other: Well I.D. number: 1A: 2939500812842.01
Latitude/Longitude: 293950/812842

Aquifer Coefficients

Transmissivity (gal/d ft): 658,240 _____
Leakance: (gal/d ft³): 1.46x10⁻¹ _____
Storage coefficient
(dimensionless): 6x10⁻⁴ _____
Analytical method: Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper

AQUIFER PERFORMANCE TEST NUMBER: SJ3

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2940490812944.01 (3)
Section, Township, Range:	32,09,28	Casing length (ft):	
Latitude/Longitude:	294049/812944	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	430
Test performed by:		Total depth (ft):	550
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	440
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ3

Observation Wells

Well I.D. number:	<u>3A</u>	<u>3B</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>660</u>	<u>1,400</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>480</u>	<u>420</u>	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>610</u>	<u>568</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Well I.D. number:	3A 2940530812952.01; 3B 2940530812927.01								
Latitude/Longitude:	294053/812952								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>418,880</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>3.8x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>6x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper								

AQUIFER PERFORMANCE TEST NUMBER: SJ4

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2947480812906.01 (6)
Section, Township, Range:	21,08,28	Casing length (ft):	
Latitude/Longitude:	294748/812906	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	130
Test performed by:		Total depth (ft):	302
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	730
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ4

Observation Wells

Well I.D. number:	<u>6A</u>	<u>6B</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>380</u>	<u>1,600</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>150</u>	<u>150</u>	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>325</u>	<u>325</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Well I.D. number:	6A 2947520812905.01;	6B 2947480812924.01							
Latitude/Longitude	6A 294752/812905;	6B 294748/812924							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>187,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>6.35x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper								

AQUIFER PERFORMANCE TEST NUMBER: SJ5

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2957250812910.01 (7)
Section, Township, Range:	21,06,28	Casing length (ft):	
Latitude/Longitude:	295725/812910	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	325
Test performed by:		Total depth (ft):	525
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	790
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ5

Observation Wells

Well I.D. number: 7A _____

Distance from TPW (ft): 660 _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): 325 _____

Total depth (ft): 525 _____

Screened interval (ft): _____

Other: Well I.D. number: 7A 2957300812930.01
 Latitude/Longitude: 7A 295730/812930

Aquifer Coefficients

Transmissivity (gal/d ft): 403,920 _____

Leakance: (gal/d ft³): 3.7x10⁻² _____

Storage coefficient (dimensionless): 2x10⁻⁴ _____

Analytical method: Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper

AQUIFER PERFORMANCE TEST NUMBER: SJ6

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2943430812833.01 (8)
Section, Township, Range:	16,09,28	Casing length (ft):	
Latitude/Longitude:	294343/812833	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	100
Test performed by:		Total depth (ft):	280
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	250
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ6

Observation Wells

Well I.D. number:	<u>8A</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>550</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>50</u>	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>280</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Well I.D. number:	8A	2943430812840.01							
Latitude/Longitude:	294343	812840							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>216,920</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>7.17x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>3x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper								

AQUIFER PERFORMANCE TEST NUMBER: SJ7

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2950280813309.01(13)
Section, Township, Range:	02,08,27	Casing length (ft):	
Latitude/Longitude:	295028/813309	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	70
Test performed by:		Total depth (ft):	300
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	240
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ7

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 65,076 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____
Analytical method: Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method modified by Cooper

AQUIFER PERFORMANCE TEST NUMBER: SJ8

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2951320811648.01 (15)
Section, Township, Range:	28,07,30	Casing length (ft):	
Latitude/Longitude:	295132/811648	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	55
Test performed by:		Total depth (ft):	248
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	130
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ8

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>97,240</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line recovery								

AQUIFER PERFORMANCE TEST NUMBER: SJ9

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	3003540813012.01 (16)
Section, Township, Range:	17,05,28	Casing length (ft):	
Latitude/Longitude:	300354/813012	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	40
Test performed by:		Total depth (ft):	362
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	41
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ9

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>50,864</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line recovery								

AQUIFER PERFORMANCE TEST NUMBER: SJ10

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	3000480812333.01 (17)
Section, Township, Range:	03,06,28	Casing length (ft):	
Latitude/Longitude:	300048/812333	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	10
Test performed by:		Total depth (ft):	258
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	65
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ10

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):		_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>11,968</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):		_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):		_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line recovery								

AQUIFER PERFORMANCE TEST NUMBER: SJ11

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	2946120812534.01 (18)
Section, Township, Range:	01,09,28	Casing length (ft):	
Latitude/Longitude:	294612/812534	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	150
Test performed by:		Total depth (ft):	306
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	115
Reference:	Bentley 1977		

AQUIFER PERFORMANCE TEST NUMBER: SJ11

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>112,200</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Jacob straight-line recovery								

AQUIFER PERFORMANCE TEST NUMBER: SJ12

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	947-129-7
Section, Township, Range:	21,08,28	Casing length (ft):	147
Latitude/Longitude:	2947/8129	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	163
Test performed for:		Aquifer penetration (ft):	70
Test performed by:		Total depth (ft):	310
Date of test:		Screened interval (ft):	
Length of test:	8.4 hours	Discharge (gpm):	604
Reference:	Bernes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: SJ12

Observation Wells

Well I.D. number:	<u>947-129-5</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>1,498</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>147</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>148</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	<u>55</u>	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>295</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>173,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.5x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.57x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method								

AQUIFER PERFORMANCE TEST NUMBER: SJ13

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	947-129-2
Section, Township, Range:		Casing length (ft):	147
Latitude/Longitude:	2947/8129	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	353
Test performed for:		Aquifer penetration (ft):	260
Test performed by:		Total depth (ft):	500
Date of test:		Screened interval (ft):	
Length of test:	6.72 hours	Discharge (gpm):	90
Reference:	Bernes, Leve, and Tarver 1963		

AQUIFER PERFORMANCE TEST NUMBER: SJ13

Observation Wells

Well I.D. number: 947-129-3 _____
Distance from TPW (ft): 895 _____
Casing length (ft): 220 _____
Casing diameter (in): _____
Open hole length (ft): 285 _____
Aquifer penetration (ft): 265 _____
Total depth (ft): 505 _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 290,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 5.9x10⁻⁴ _____
Analytical method: Hantush and Jacob (1955) leaky-artesian aquifer type-curve matching method

AQUIFER PERFORMANCE TEST NUMBER: SJ14

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	S-1
Section, Township, Range:	28,06,29	Casing length (ft):	58
Latitude/Longitude:	2957/8129	Casing diameter (in):	10
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:	City of St. Augustine	Aquifer penetration (ft):	
Test performed by:	CH2M HILL	Total depth (ft):	100
Date of test:	8/14/79	Screened interval (ft):	58-68; 85-95
Length of test:	66 Hours	Discharge (gpm):	250
Reference:	CH2M HILL 1982 CUP No. 2-109-0006		

AQUIFER PERFORMANCE TEST NUMBER: SJ14

Observation Wells

	<u>OW-1</u>	<u>TW-11</u>	<u>OW-1</u>	<u>TW-11</u>	<u>OW-1</u>	<u>TW-11</u>	<u>OW-1</u>	<u>TW-11</u>	<u> </u>
Well I.D. number:									
Distance from TPW (ft):	<u>113</u>	<u>113</u>							
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):									
Screened interval (ft):									

Other:

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,454</u>	<u>12,454</u>	<u>13,202</u>	<u>13,748</u>	<u>11,998</u>	<u>12,222</u>	<u>11,018</u>	<u>12,454</u>	<u> </u>
Leakance: (gal/d ft ³):	<u>3.89x10⁻⁴</u>	<u>3.89x10⁻⁴</u>						<u>3.89x10⁻⁴</u>	<u> </u>
Storage coefficient (dimensionless):	<u>1.01x10⁻⁴</u> (a)	<u>1.3x10⁻⁴</u> (a)	<u>1.08x10⁻⁴</u> (b)	<u>1.2x10⁻⁴</u> (b)	<u>1.1x10⁻⁴</u> (c)	<u>1.8x10⁻⁴</u> (c)	<u>1.0x10⁻⁴</u> (d)	<u>1.2x10⁻⁴</u> (d)	<u> </u>

Analytical method:

- (a) Matchpoint drawdown
- (b) Jacob straight-line drawdown
- (c) Jacob straight-line recovery
- (d) Matchpoint recovery

AQUIFER PERFORMANCE TEST NUMBER: SJ15

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	S-7
Section, Township, Range:	21,06,29	Casing length (ft):	45
Latitude/Longitude:	2958/8129	Casing diameter (in):	10
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:	City of St. Augustine	Aquifer penetration (ft):	
Test performed by:	CH2M HILL	Total depth (ft):	72
Date of test:	8/29/79	Screened interval (ft):	47-67
Length of test:	24 hours	Discharge (gpm):	100
Reference:	CH2M HILL 1982 CUP No. 2-109-0006		

AQUIFER PERFORMANCE TEST NUMBER: SJ15

Observation Wells

	<u>OW-2</u>	<u>OW-2</u>	<u>OW-2</u>	<u>OW-2</u>	<u> </u>				
Well I.D. number:									
Distance from TPW (ft):	150								
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):									
Screened interval (ft):									

Other:

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,731</u>	<u>23,360</u>	<u>22,762</u>	<u>9,545</u>	<u> </u>				
Leakance: (gal/d ft ³):	<u>2.24x10⁻¹</u>	<u> </u>	<u> </u>	<u>2.7x10⁻¹</u>	<u> </u>				
Storage coefficient (dimensionless):	<u>4.8x10⁻⁴</u> (a)	<u>4.1x10⁻⁴</u> (b)	<u>3.6x10⁻⁴</u> (c)	<u>4.5x10⁻⁴</u> (d)	<u> </u>				

Analytical method:

- (a) Matchpoint drawdown
- (b) Jacob straight-line drawdown
- (c) Jacob straight-line recovery
- (d) Matchpoint recovery

AQUIFER PERFORMANCE TEST NUMBER: SJ16

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	S-12
Section, Township, Range:	18,06,29	Casing length (ft):	55
Latitude/Longitude:	2959/8124	Casing diameter (in):	10
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:	City of St. Augustine	Aquifer penetration (ft):	
Test performed by:	CH2M HILL	Total depth (ft):	95
Date of test:	1/5/82	Screened interval (ft):	55-65; 85-95
Length of test:	67 hours	Discharge (gpm):	500
Reference:	CH2M HILL 1982 CUP No. 2-109-0006		

AQUIFER PERFORMANCE TEST NUMBER: SJ16

Observation Wells

	<u>S-10</u>	<u>S-11</u>	<u>S-10</u>	<u>S-11</u>	<u>S-10</u>	<u>S-11</u>	<u>S-10</u>	<u>S-11</u>	<u> </u>
Well I.D. number:									
Distance from TPW (ft):	<u>3,000</u>	<u>1,500</u>							
Casing length (ft):	<u>50</u>	<u>50</u>							
Casing diameter (in):	<u>10</u>	<u>10</u>							
Open hole length (ft):									
Aquifer penetration (ft):	<u>55-97</u>	<u>58-97</u>							
Total depth (ft):	<u>97</u>	<u>97</u>							
Screened interval (ft):	<u>55-65</u> <u>82-92</u>	<u>68-68</u> <u>82-92</u>							
Other: Section, Township, Range:	S-10: 17,06,29;	S-11: 17,06,29							
Latitude/Longitude:	S-10: 2959/8124;	S-11: 2959/8124							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>419,045</u>	<u>153,490</u>	<u>114,594</u>	<u>89,536</u>	<u>458,330</u>	<u>157,140</u>	<u>114,594</u>	<u>136,420</u>	<u> </u>
Leakance: (gal/d ft ³):			<u>8.23x10⁻³</u>	<u>6.73x10⁻³</u>			<u>1.27x10⁻²</u>	<u>2.24x10⁻³</u>	<u> </u>
Storage coefficient (dimensionless):	<u>3.59x10⁻⁴</u> (a)	<u>2.7x10⁻⁴</u> (a)	<u>4.0x10⁻⁴</u> (b)	<u>4.0x10⁻⁴</u> (b)	<u>4.0x10⁻⁴</u> (c)	<u>2.0x10⁻⁴</u> (c)	<u>5.0x10⁻⁴</u> (d)	<u>2.0x10⁻⁴</u> (d)	<u> </u>

Analytical method:

- (a) Jacob straight-line drawdown
- (b) Matchpoint drawdown
- (c) Jacob straight-line recovery
- (d) Matchpoint recovery

AQUIFER PERFORMANCE TEST NUMBER: SJ17

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	D-9
Section, Township, Range:	17,06,29	Casing length (ft):	256
Latitude/Longitude:	2957/8122	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	69
Test performed for:	City of St. Augustine	Aquifer penetration (ft):	65
Test performed by:	CH2M HILL	Total depth (ft):	325
Date of test:	12/14/81	Screened interval (ft):	
Length of test:	71 hours	Discharge (gpm):	748
Reference:	CH2M HILL 1982 CUP No. 2-109-0006		

AQUIFER PERFORMANCE TEST NUMBER: SJ17

Observation Wells

	<u>D-8</u>	<u>D-10</u>	<u>LTW-1</u>	<u>D-8</u>	<u>D-10</u>	<u>LTW-1</u>	<u>D-8</u>	<u>D-10</u>	<u>LTW-1</u>
Well I.D. number:									
Distance from TPW (ft):	<u>1,500</u>	<u>1,500</u>	<u>3,000</u>						
Casing length (ft):	<u>253</u>	<u>256</u>							
Casing diameter (in):	<u>12</u>	<u>12</u>							
Open hole length (ft):	<u>122</u>	<u>69</u>							
Aquifer penetration (ft):	<u>90</u>	<u>75</u>							
Total depth (ft):	<u>375</u>	<u>325</u>							
Screened interval (ft):									
Other: Section, Township, Range:	D-8: 21,06,29;	D-10: 17,06,74;	LTW-1: 17,06,29						
Latitude/Longitude:	D-8: 2958/8123;	D-10: 2959/8124;	LTW-1: 2959/8121						

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>164,560</u>	<u>146,271</u>	<u>191,720</u>	<u>161,725</u>	<u>147,782</u>	<u>186,334</u>	<u>164,560</u>	<u>143,092</u>	<u>188,070</u>
Leakance: (gal/d ft ³):				<u>7.48x10⁻⁶</u>	<u>7.48x10⁻⁶</u>	<u>7.48x10⁻⁶</u>			
Storage coefficient (dimensionless):	<u>2.0x10⁻⁴</u> (a)	<u>1.0x10⁻⁴</u> (a)	<u>2.0x10⁻⁴</u> (a)	<u>3.0x10⁻⁴</u> (b)	<u>1.0x10⁻⁴</u> (b)	<u>3.0x10⁻⁴</u> (b)	<u>2.0x10⁻⁴</u> (c)	<u>1.0x10⁻⁴</u> (c)	<u>1.89x10⁻⁴</u> (c)
Analytical method:	(a) Jacob straight-line drawdown (b) Hantush-Jacob drawdown (c) Jacob straight-line recovery								(continued)

AQUIFER PERFORMANCE TEST NUMBER: SJ17

Observation Wells

	<u>D-8</u>	<u>D-10</u>	<u>LTW-1</u>	_____	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):									
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):									
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>168,068</u>	<u>129,868</u>	<u>182,370</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>7.48x10⁻⁶</u>	<u>7.48x10⁻⁶</u>	<u>7.48x10⁻⁶</u>	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>2.0x10⁻⁴</u>	<u>1.0x10⁻⁴</u>	<u>2.0x10⁻⁴</u>	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush-Jacob recovery								

AQUIFER PERFORMANCE TEST NUMBER: SJ18

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	3B
Section, Township, Range:	19,06,28	Casing length (ft):	40
Latitude/Longitude:	2958/8132	Casing diameter (in):	4
Aquifer tested:	Surficial aquifer sand	Open hole length (ft):	
Test performed for:	Radcliff Investments and Tim Grabriel and Associates, Inc.	Aquifer penetration (ft):	
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	60
Date of test:	5/16/83	Screened interval (ft):	40-60
Length of test:	16.8 hours	Discharge (gpm):	60
Reference:	Gomberg 1983 CUP No. 2-109-0202		

Note: With TPW 3B, observation wells 3-C and 3-D were used.

AQUIFER PERFORMANCE TEST NUMBER: SJ18

General

Test Production Well (TPW)

County:	St. Johns	Well I.D. number:	3A
Section, Township, Range:		Casing length (ft):	220
Latitude/Longitude:		Casing diameter (in):	8
Aquifer tested:	Partly Floridan (Ocala limestone) and Hawthorn Group	Open hole length (ft):	80
Test performed for:		Aquifer penetration (ft):	35
Test performed by:		Total depth (ft):	300
Date of test:		Screened interval (ft):	
Length of test:	Step drawdown	Discharge (gpm):	* 890, 673, 439, 109
Reference:			

* Transmissivity (T) and Discharge (Q) are listed in the same order (i.e., Q of 890 correlates to T of 230,000)

Note: TPW 3A does not have an observation well.

AQUIFER PERFORMANCE TEST NUMBER: SJ18

Observation Wells

Well I.D. number:	<u>3-C</u>	<u>3-D</u>	<u>3-C</u>	<u>3A(TPW)</u>	<u>3A(TPW)</u>	<u>3A(TPW)</u>	<u>3A(TPW)</u>	<u> </u>	<u> </u>
Distance from TPW (ft):	<u>15</u>	<u>15</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing length (ft):	<u>40</u>	<u>19</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u>4</u>	<u>2</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u>60</u>	<u>24</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Screened interval (ft):	<u>40-60</u>	<u>19-24</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other:	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>2,300</u>	<u> </u>	<u> </u>	<u>*230,000</u>	<u>*240,000</u>	<u>*280,000</u>	<u>*530,000</u>	<u> </u>	<u> </u>
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>3.0x10⁻³</u>	<u> </u>	<u>1.9x10⁻¹</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	(a)		(b)	(c)	(c)	(c)	(c)		

Analytical method: (a) Boulton
 (b) Stallman procedure
 (c) Step drawdown test (with freeflow) Jacob method and Rorabaugh (1953)

*Transmissivity (T) and Discharge (Q) are listed in the same order (i.e., Q of 890 correlates to T of 230,000)

AQUIFER PERFORMANCE TEST NUMBER: SJ19

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	SW3
Section, Township, Range:	29,06,28	Casing length (ft):	76
Latitude/Longitude:	2957/8130	Casing diameter (in):	2
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:	St. Johns Harbor, Parcel B Test Wellfield	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	81
Date of test:	10/15/85	Screened interval (ft):	76-81
Length of test:	65 hours	Discharge (gpm):	16
Reference:	G. Warren Leve, Inc. CUP No. 2-109-0202		

AQUIFER PERFORMANCE TEST NUMBER: SJ19

Observation Wells

Well I.D. number:	<u>SW4</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>1</u>	_____	_____	_____	_____
Distance from TPW (ft):	<u>300</u>	<u>15</u>	<u>50</u>	<u>100</u>	_____	_____	_____	_____	_____
Casing length (ft):	<u>65</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>85</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	<u>65-85</u>	_____	_____	_____	_____	_____	_____	_____	_____

Other: 0-90 ft Surficial aquifer; 90-260 ft Hawthorn Group; 260-380 ft Ocala limestone, beyond 380-ft Floridan aquifer

Aquifer Coefficients

Transmissivity (gal/d ft):	_____	<u>11,500</u>	_____	_____	<u>6,600</u>	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	<u>1.1x10⁻¹</u>	_____	_____	<u>1.5x10⁻¹</u>	_____	_____	_____	_____
		(a)			(b)				

Analytical method: (a) Theis non-equilibrium formula
 (b) Jacob straight-line drawdown

AQUIFER PERFORMANCE TEST NUMBER: SJ20

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	DW1
Section, Township, Range:		Casing length (ft):	270
Latitude/Longitude:	2957/8130	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	335
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	605
Date of test:	10/22/85	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	650
Reference:	G. Warren Leve, Inc. CUP No. 2-109-0202		

AQUIFER PERFORMANCE TEST NUMBER: SJ20

Observation Wells

Well I.D. number:	<u>DW3</u>	<u>DW3</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>1,516</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>534,000</u>	<u>748,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.7×10^{-3}</u> (a)	<u>7.9×10^{-4}</u> (b)	_____	_____	_____	_____	_____	_____	_____
Analytical method:	(a) Modified Hantush	(b) Jacob straight-line recovery							

AQUIFER PERFORMANCE TEST NUMBER: SJ21

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	*
Section, Township, Range:	20,06,30	Casing length (ft):	
Latitude/Longitude:	2958/8118	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:	Pirates Landing Development	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	
Date of test:	3/13/86	Screened interval (ft):	
Length of test:	10 hours	Discharge (gpm):	300
Reference:	G. Warren Leve, Inc. 1986a CUP No. 2-109-0209		

* Well I.D. number not provided in reference document.

AQUIFER PERFORMANCE TEST NUMBER: SJ21

Observation Wells

Well I.D. number:	*	*	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	93	93	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	4	4	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	* Well I.D. number not provided in reference document.								

Aquifer Coefficients

Transmissivity (gal/d ft):	137,000	132,000	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	3x10 ⁻⁴ (a)	1.7x10 ⁻⁴ (b)	_____	_____	_____	_____	_____	_____	_____
Analytical method:	(a) Modified Hantush drawdown, free flowing well (b) Modified Hantush, recovery								

AQUIFER PERFORMANCE TEST NUMBER: SJ22

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	*
Section, Township, Range:	11,07,29	Casing length (ft):	65
Latitude/Longitude:	2954/8122	Casing diameter (in):	4
Aquifer tested:	Surficial aquifer sand and shell	Open hole length (ft):	
Test performed for:	Fountains at St. Augustine	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	91
Date of test:		Screened interval (ft):	30
Length of test:	24 hours	Discharge (gpm):	25
Reference:	G. Warren Leve, Inc. CUP No. 2-109-0215		

* Well I.D. number not provided in reference document.

AQUIFER PERFORMANCE TEST NUMBER: SJ22

Observation Wells

Well I.D. number:	<u>1</u>	<u>2</u>	<u>2</u>	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>50</u>	<u>100</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>30</u>	<u>91</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	_____	<u>11,900</u>	<u>10,650</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	<u>1.5x10⁻⁴</u>	<u>3.2x10⁻⁴</u>	_____	_____	_____	_____	_____	_____
		(a)	(b)						

Analytical method: (a) Boulton delayed yield
 (b) Jacob straight-line recovery

AQUIFER PERFORMANCE TEST NUMBER: SJ23

	<u>General</u>		<u>Test Production Well (TPW)</u>
County:	St. Johns	Well I.D. number:	SW3
Section, Township, Range:	38,06,28	Casing length (ft):	
Latitude/Longitude:	2957/8130	Casing diameter (in):	2
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:	St. Johns Harbour Development	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	81
Date of test:	06/15/85	Screened interval (ft):	5
Length of test:	65 hours	Discharge (gpm):	16
Reference:	G. Warren Leve, Inc. 1985a		

AQUIFER PERFORMANCE TEST NUMBER: SJ23

Observation Wells

Well I.D. number:	<u>SW1</u>	<u>SW2</u>	<u>SW4</u>	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>15</u>	<u>50</u>	<u>100</u>	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>11,460</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.0x1⁻¹</u>	_____	_____	_____	_____	_____	_____	_____

Analytical method: Modified Hantush (1960) type-curve matching

AQUIFER PERFORMANCE TEST NUMBER: SJ24

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	St. Johns	Well I.D. number:	PW-1
Section, Township, Range:	11,07,29	Casing length (ft):	65
Latitude/Longitude:	2954/8121	Casing diameter (in):	4
Aquifer tested:	Surficial	Open hole length (ft):	30
Test performed for:	Sun Properties	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	95
Date of test:	01/13/86	Screened interval (ft):	30
Length of test:	24 hours	Discharge (gpm):	25
Reference:	G. Warren Leve, Inc. 1985b		

AQUIFER PERFORMANCE TEST NUMBER: SJ24

Observation Wells

Well I.D. number:	<u>1</u>	<u>2</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>50</u>	<u>100</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>30</u>	<u>30</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Hantush and Jacob (1955) and Theis non-equilibrium curve matching

AQUIFER PERFORMANCE TEST NUMBER: SJ25

	<u>General</u>		<u>Test Production Well (TPW)</u>
County:	St. Johns	Well I.D. number:	DW1
Section, Township, Range:	38,06,28	Casing length (ft):	270
Latitude/Longitude:	2957/8130	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	335
Test performed for:	St. Johns Harbour Development	Aquifer penetration (ft):	
Test performed by:	G. Warren Leve, Inc.	Total depth (ft):	605
Date of test:	10/25/92	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	650
Reference:	G. Warren Leve, Inc. 1985a		

AQUIFER PERFORMANCE TEST NUMBER: SJ25

Observation Wells

Well I.D. number:	<u>DW3</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>1,516</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>534,300</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.7x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____

Analytical method: Modified Hantush (1960) type-curve match

AQUIFER PERFORMANCE TEST NUMBER: SM1

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	838-114-8
Section, Township, Range:	29,21,31	Casing length (ft):	
Latitude/Longitude:	2838/8114	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	
Date of test:		Screened interval (ft):	
Length of test:	1 hour	Discharge (gpm):	96
Reference:	Barraclough 1962		

AQUIFER PERFORMANCE TEST NUMBER: SMI

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>253,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) recovery test

AQUIFER PERFORMANCE TEST NUMBER: SM2

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	841-110-9
Section, Township, Range:	01,21,31	Casing length (ft):	53
Latitude/Longitude:	2841/8110	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	103
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	156
Date of test:		Screened interval (ft):	
Length of test:	1 hour	Discharge (gpm):	40
Reference:	Barraclough 1962 and supplemented with data from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM2

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>9,100</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) recovery test

AQUIFER PERFORMANCE TEST NUMBER: SM3

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	841-113-3
Section, Township, Range:	04,21,31	Casing length (ft):	80
Latitude/Longitude:	2841/8113	Casing diameter (in):	2
Aquifer tested:	Floridan	Open hole length (ft):	18
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	98
Date of test:		Screened interval (ft):	
Length of test:	1.5 hours	Discharge (gpm):	26
Reference:	Barraclough 1962 and supplemented with data obtained from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM3

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>98,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) recovery test

AQUIFER PERFORMANCE TEST NUMBER: SM4

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	842-110-7
Section, Township, Range:	25,20,31	Casing length (ft):	
Latitude/Longitude:	2842/8110	Casing diameter (in):	3
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	116
Date of test:		Screened interval (ft):	
Length of test:	1.5 hours	Discharge (gpm):	50
Reference:	Barraclough 1962 and supplemented with data obtained from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM4

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>223,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Cooper and Jacob (1946) recovery test							

AQUIFER PERFORMANCE TEST NUMBER: SM5

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	843-118-4
Section, Township, Range:	27,20,30	Casing length (ft):	120
Latitude/Longitude:	2843/8118	Casing diameter (in):	3
Aquifer tested:	Floridan	Open hole length (ft):	43
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	163
Date of test:		Screened interval (ft):	
Length of test:	2 hours	Discharge (gpm):	68
Reference:	Barraclough 1962 and supplemented with data obtained from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM5

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>315,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) recovery test

AQUIFER PERFORMANCE TEST NUMBER: SM6

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	845-113-1
Section, Township, Range:	09,20,31	Casing length (ft):	100
Latitude/Longitude:	2845/8113	Casing diameter (in):	3
Aquifer tested:	Floridan	Open hole length (ft):	45
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	145
Date of test:		Screened interval (ft):	
Length of test:	1 hour and 15 minutes	Discharge (gpm):	68
Reference:	Barraclough 1962 and supplemented with data obtained from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM6

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>82,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) recovery test

AQUIFER PERFORMANCE TEST NUMBER: SM7

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	847-112-7
Section, Township, Range:	03,20,31	Casing length (ft):	
Latitude/Longitude:	2847/8112	Casing diameter (in):	2
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	147
Date of test:		Screened interval (ft):	
Length of test:	20 minutes	Discharge (gpm):	44
Reference:	Barraclough 1962 and supplemented with data obtained from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM7

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>193,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) recovery test

AQUIFER PERFORMANCE TEST NUMBER: SM8

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	849-118-5
Section, Township, Range:	21,30,19	Casing length (ft):	144
Latitude/Longitude:	2849/8118	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	56
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	200
Date of test:		Screened interval (ft):	
Length of test:	40 minutes	Discharge (gpm):	71
Reference:	Barraclough 1962 and supplemented with data obtained from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM8

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>134,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) recovery test

AQUIFER PERFORMANCE TEST NUMBER: SM9

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	845-113-15
Section, Township, Range:	16,20,31	Casing length (ft):	111
Latitude/Longitude:	2845/8113	Casing diameter (in):	3
Aquifer tested:	Floridan	Open hole length (ft):	117
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	228
Date of test:	8/55	Screened interval (ft):	
Length of test:	18 hours	Discharge (gpm):	60
Reference:	Barraclough 1962 and supplemented with data obtained from U.S. Geological Survey files (Orlando, Florida)		

AQUIFER PERFORMANCE TEST NUMBER: SM9

Observation Wells

Well I.D. number:	<u>845-113-16</u>	<u>845-113-1</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>25</u>	<u>150</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	<u>100</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	<u>3</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>101</u>	<u>145</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Other: Section, Township, Range: 845-113-1: 09,20,31

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>51,000</u>	<u>82,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>4.0x10⁻⁶</u>	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)							

Analytical method: (a) Observed data analyzed by the Theis graphical method (Wenzel 1942).
 (b) Observed data analyzed by the time-drawdown method.

AQUIFER PERFORMANCE TEST NUMBER: SM10

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	2844280810726.03
Section, Township, Range:	16,20,32	Casing length (ft):	117
Latitude/Longitude:	284428/810726	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	276
Test performed for:		Aquifer penetration (ft):	271
Test performed by:		Total depth (ft):	393
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Phelps & Rohrer 1987 Tibbals 1977		

AQUIFER PERFORMANCE TEST NUMBER: SM10

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>30,700</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Brown (1953)

AQUIFER PERFORMANCE TEST NUMBER: SM11

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	2845500810715.01
Section, Township, Range:	09,20,32	Casing length (ft):	77
Latitude/Longitude:	284550/810715	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	49
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	126
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Phelps and Rohrer 1987 Tibbals 1977		

AQUIFER PERFORMANCE TEST NUMBER: SM11

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):		_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>127,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):		_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):		_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery								

AQUIFER PERFORMANCE TEST NUMBER: SM12

General

Test Production Well (TPW)

County:	Seminole	Well I.D. number:	2847060810708.01
Section, Township, Range:	34,19,32	Casing length (ft):	99
Latitude/Longitude:	284706/810708	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	79
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	178
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Phelps and Rohrer 1987 Tibbals 1977		

AQUIFER PERFORMANCE TEST NUMBER: SM12

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,700</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery								

AQUIFER PERFORMANCE TEST NUMBER: SM13

General

Test Production Well (TPW)

County: Seminole
Section, Township, Range: 01,20,32
Latitude/Longitude: 284712/810443
Aquifer tested: Floridan
Test performed for:
Test performed by:
Date of test:
Length of test:
Reference: Phelps and Rohrer 1987
Tibbals 1977

Well I.D. number: 2847120810443.01
Casing length (ft): 70
Casing diameter (in): 4
Open hole length (ft): 71
Aquifer penetration (ft):
Total depth (ft): 141
Screened interval (ft):
Discharge (gpm):

AQUIFER PERFORMANCE TEST NUMBER: SM13

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>27,700</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery								

AQUIFER PERFORMANCE TEST NUMBER: SM14

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	*
Section, Township, Range:	33,29,30	Casing length (ft):	400
Latitude/Longitude:	2848/8119	Casing diameter (in):	**
Aquifer tested:	Floridan	Open hole length (ft):	300
Test performed for:	City of Sanford	Aquifer penetration (ft):	280 ft of the Upper Floridan Aquifer cased off
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	700
Date of test:	11/19/84	Screened interval (ft):	
Length of test:	30 minutes	Discharge (gpm):	***550; 800; 1,110; 1,500
Reference:	Jammal & Associates, Inc. 1984 CUP No. 2-117-0026		

* Well I.D. number not provided in reference document.

** 20 in. casing from 0 to 125 ft and 12 in. casing from 105 to 400 ft

*** Transmissivity (T) and Discharge (Q) are listed in the same order (i.e. Q of 550 correlates to a T of 100,596)

AQUIFER PERFORMANCE TEST NUMBER: SM14

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u>(TPW)</u>	<u>(TPW)</u>	<u>(TPW)</u>	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>*100,596</u>	<u>*101,179</u>	<u>*101,043</u>	<u>*100,174</u>	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Step drawdown test (Walton 1970)								

* Transmissivity (T) and Discharge (Q) are listed in the same order (i.e. Q of 550 correlates to a T of 100,596)

AQUIFER PERFORMANCE TEST NUMBER: SM15

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	2
Section, Township, Range:	11,20,29	Casing length (ft):	290
Latitude/Longitude:	2846/8123	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	230
Test performed for:	Hanover Woods	Aquifer penetration (ft):	
Test performed by:	Post, Buckley, Schuh & Jernigan, Inc.	Total depth (ft):	520
Date of test:	11/24/86	Screened interval (ft):	
Length of test:	28 hours	Discharge (gpm):	1,000
Reference:	Post, Buckley, Schuh & Jernigan, Inc. 1987 CUP No. 2-117-0023ANGRZM		

AQUIFER PERFORMANCE TEST NUMBER: SM15

Observation Wells

Well I.D. number: 1 _____

Distance from TPW (ft): 80 _____

Casing length (ft): 147 _____

Casing diameter (in): 10 _____

Open hole length (ft): 214 _____

Aquifer penetration (ft): _____

Total depth (ft): 361 _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 1,200,000 _____

Leakance: (gal/d ft³): 0.075 _____

Storage coefficient
(dimensionless): 5x10⁻³ _____

Analytical method: Cooper (1963) unsteady flow in leaky confined aquifers

AQUIFER PERFORMANCE TEST NUMBER: SM16

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	Lynwood 1
Section, Township, Range:	18,21,29	Casing length (ft):	110
Latitude/Longitude:	2839/8127	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	64
Test performed for:	Post, Buckley, Schuh & Jernigan, Inc.	Aquifer penetration (ft):	11
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	174
Date of test:	02/12/86	Screened interval (ft):	
Length of test:	4 hours 35 minutes	Discharge (gpm):	1,000 and 1,148
Reference:	Jammal & Associates, Inc. 1986b		

AQUIFER PERFORMANCE TEST NUMBER: SM16

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u> </u>							
Distance from TPW (ft):	<u> </u>								
Casing length (ft):	<u> </u>								
Casing diameter (in):	<u> </u>								
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>								
Screened interval (ft):	<u> </u>								
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>1x10⁶</u>	<u> </u>							
Leakance: (gal/d ft ³):	<u>5x10⁻²</u>	<u> </u>							
Storage coefficient (dimensionless):	<u>1x10⁻⁴</u>	<u> </u>							

Analytical method: Specific capacity step-drawdown pump test

AQUIFER PERFORMANCE TEST NUMBER: SM17

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	Lynwood 2
Section, Township, Range:	18,21,29	Casing length (ft):	127
Latitude/Longitude:	2839/8127	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	41
Test performed for:	Post, Buckley, Schuh & Jernigan, Inc.	Aquifer penetration (ft):	5
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	168
Date of test:	02/14/86	Screened interval (ft):	
Length of test:	7 hours 42 minutes	Discharge (gpm):	1,000; 1,168; 1,135; and 1,512
Reference:	Jammal & Associates, Inc. 1986b		

AQUIFER PERFORMANCE TEST NUMBER: SM17

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 1x10⁶ _____

Leakance: (gal/d ft³): 5x10⁻² _____

Storage coefficient
(dimensionless): 1x10⁻⁴ _____

Analytical method: Specific capacity step-drawdown pump test

AQUIFER PERFORMANCE TEST NUMBER: SM18

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Seminole	Well I.D. number:	Belaire 1
Section, Township, Range:	18,21,29	Casing length (ft):	150
Latitude/Longitude:	2839/8127	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	100
Test performed for:	Post, Buckley, Schuh & Jernigan, Inc.	Aquifer penetration (ft):	
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	250
Date of test:	02/05/86	Screened interval (ft):	
Length of test:	12 hours	Discharge (gpm):	1,000
Reference:	Jammal & Associates, Inc. 1986b		

AQUIFER PERFORMANCE TEST NUMBER: SM18

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):		_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>1x10⁶</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>5x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Specific capacity step-drawdown pump test

AQUIFER PERFORMANCE TEST NUMBER: SU1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Sumter	Well I.D. number:	827-158-1
Section, Township, Range:		Casing length (ft):	99
Latitude/Longitude:	2827/8158	Casing diameter (in):	3
Aquifer tested:	Floridan	Open hole length (ft):	76
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	175
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	
Reference:	Pride, Meyer, and Cherry 1966		

AQUIFER PERFORMANCE TEST NUMBER: SU1

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>57,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: VL1

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	909-106-4
Section, Township, Range:	33,15,32	Casing length (ft):	102
Latitude/Longitude:	2909/8106	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	132
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	234
Date of test:	5/24/55	Screened interval (ft):	
Length of test:	100 hours	Discharge (gpm):	1,100
Reference:	Wyrick 1960		

AQUIFER PERFORMANCE TEST NUMBER: VL1

Observation Wells

	<u>909-106-2</u>	<u>909-106-3</u>	<u>909-106-5</u>	<u>909-106-6</u>	<u>909-106-1A</u>	<u>909-106-1B</u>	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	<u>179</u>	<u>40</u>	<u>179</u>	<u>450</u>	<u>25</u>	<u>25</u>	_____	_____	_____
Casing length (ft):	<u>102</u>	<u>102</u>	<u>102</u>	<u>102</u>	<u>416</u>	<u>102</u>	_____	_____	_____
Casing diameter (in):	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>6</u>	_____	_____	_____
Open hole length (ft):	<u>132</u>	<u>132</u>	<u>132</u>	<u>132</u>	_____	<u>132</u>	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>234</u>	<u>234</u>	<u>234</u>	<u>234</u>	<u>496</u>	<u>234</u>	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	<u>416-496</u>	_____	_____	_____	_____
Other:	Well 909-106-1A was plugged up from 416 to 234 ft and became 909-106-1B.								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>310,000</u>	_____	_____	<u>300,000</u>	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>7.5x10⁻⁴</u> (a)	_____	_____	<u>7.2x10⁻⁴</u> (b)	_____	_____	_____	_____	_____

Analytical method: (a) Theis graphical method with type-curve matching, composite analysis
 (b) Cooper and Jacob (1946)

AQUIFER PERFORMANCE TEST NUMBER: VL2

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	912-102-36
Section, Township, Range:	18,15,33	Casing length (ft):	94
Latitude/Longitude:	2912/8102	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	66
Test performed for:	City of Daytona Beach	Aquifer penetration (ft):	66
Test performed by:		Total depth (ft):	160
Date of test:	10/12/55	Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	200
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL2

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): 500 _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 28,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 2.3x10⁻⁴ _____

Analytical method: Cooper (1963) type-curve for nonsteady radial flow in an infinite leaky aquifer

AQUIFER PERFORMANCE TEST NUMBER: VL3

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	911-104-7
Section, Township, Range:	23,15,32	Casing length (ft):	110
Latitude/Longitude:	2911/8104	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	100
Test performed for:	City of Daytona Beach	Aquifer penetration (ft):	100
Test performed by:		Total depth (ft):	210
Date of test:	8/15/56	Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	1,100
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL3

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): 2,000 _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 370,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): 1.1x10⁻⁴ _____

Analytical method: Theis non-equilibrium

AQUIFER PERFORMANCE TEST NUMBER: VL4

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	911-104-7
Section, Township, Range:		Casing length (ft):	110
Latitude/Longitude:	2911/8104	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	100
Test performed for:	City of Daytona Beach	Aquifer penetration (ft):	100
Test performed by:		Total depth (ft):	210
Date of test:	8/7/56	Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	800
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL4

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>1,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>310,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.8x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	This non-equilibrium method								

AQUIFER PERFORMANCE TEST NUMBER: VL5

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	911-103-2
Section, Township, Range:	24,15,32	Casing length (ft):	110
Latitude/Longitude:	2911/8103	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	95
Test performed for:	City of Daytona Beach	Aquifer penetration (ft):	95
Test performed by:		Total depth (ft):	205
Date of test:	8/9/56	Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	800
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL5

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): 1,000 _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 330,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 2.2x10⁻⁴ _____

Analytical method: Theis non-equilibrium

AQUIFER PERFORMANCE TEST NUMBER: VL6

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	911-104-6
Section, Township, Range:	23,15,32	Casing length (ft):	109
Latitude/Longitude:	2911/8104	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	92
Test performed for:	City of Daytona Beach	Aquifer penetration (ft):	92
Test performed by:		Total depth (ft):	201
Date of test:	8/9/56	Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	800
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL6

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): 1,000 _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 350,000 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Theis non-equilibrium

AQUIFER PERFORMANCE TEST NUMBER: VL7

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	911-103-5
Section, Township, Range:	24,15,32	Casing length (ft):	135
Latitude/Longitude:	2911/8103	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	145
Test performed for:	City of Daytona Beach	Aquifer penetration (ft):	145
Test performed by:		Total depth (ft):	280
Date of test:	11/7/56	Screened interval (ft):	
Length of test:	6 hours	Discharge (gpm):	550
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL7

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>0.4</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>160,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Cooper and Jacob (1946) semilog

AQUIFER PERFORMANCE TEST NUMBER: VL8

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	900-120-19
Section, Township, Range:	24,17,29	Casing length (ft):	42
Latitude/Longitude:	2900/8120	Casing diameter (in):	6
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:	C.D. Finstad	Aquifer penetration (ft):	16
Test performed by:		Total depth (ft):	60
Date of test:	2/4/57	Screened interval (ft):	18
Length of test:	5 hours	Discharge (gpm):	110
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL8

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>5</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>40,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>2.7x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Theis non-equilibrium								

AQUIFER PERFORMANCE TEST NUMBER: VL9

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	900-120-18
Section, Township, Range:		Casing length (ft):	54
Latitude/Longitude:	2900/8120	Casing diameter (in):	2
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:	C.D. Finstad	Aquifer penetration (ft):	9
Test performed by:		Total depth (ft):	60
Date of test:	2/4/57	Screened interval (ft):	6
Length of test:	5 hours	Discharge (gpm):	110
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL9

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>10</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>57,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.1x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Theis non-equilibrium

AQUIFER PERFORMANCE TEST NUMBER: VL10

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	859-117-2
Section, Township, Range:	28,17,30	Casing length (ft):	107
Latitude/Longitude:	2859/8117	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	233
Test performed for:	De Land Country Club	Aquifer penetration (ft):	233
Test performed by:		Total depth (ft):	340
Date of test:	4/23/57	Screened interval (ft):	
Length of test:	5 hours	Discharge (gpm):	550
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL10

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): 0.5 _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 190,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____

Analytical method: Cooper and Jacob (1946) semilog

AQUIFER PERFORMANCE TEST NUMBER: VL11

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	859-055-3
Section, Township, Range:	29,17,34	Casing length (ft):	88
Latitude/Longitude:	2859/8055	Casing diameter (in):	2
Aquifer tested:	Floridan	Open hole length (ft):	93
Test performed for:	City of Edgewater	Aquifer penetration (ft):	88
Test performed by:		Total depth (ft):	181
Date of test:	1/7/58	Screened interval (ft):	
Length of test:	6 hours	Discharge (gpm):	350
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL11

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>298</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>55,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>3.4x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Theis non-equilibrium								

AQUIFER PERFORMANCE TEST NUMBER: VL12

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	859-055-2
Section, Township, Range:		Casing length (ft):	89
Latitude/Longitude:	2859/8055	Casing diameter (in):	2
Aquifer tested:	Floridan	Open hole length (ft):	88
Test performed for:	City of Edgewater	Aquifer penetration (ft):	87
Test performed by:		Total depth (ft):	177
Date of test:	1/7/58	Screened interval (ft):	
Length of test:	6 hours	Discharge (gpm):	350
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL12

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>327</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>55,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>3.4x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: This non-equilibrium

AQUIFER PERFORMANCE TEST NUMBER: VL13

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	859-055-1
Section, Township, Range:		Casing length (ft):	89
Latitude/Longitude:	2859/8055	Casing diameter (in):	2
Aquifer tested:	Floridan	Open hole length (ft):	142
Test performed for:	City of Edgewater	Aquifer penetration (ft):	88
Test performed by:		Total depth (ft):	231
Date of test:	1/7/58	Screened interval (ft):	
Length of test:	6 hours	Discharge (gpm):	350
Reference:	Wyrick 1960 and 1961		

AQUIFER PERFORMANCE TEST NUMBER: VL13

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): 178 _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other:

Aquifer Coefficients

Transmissivity (gal/d ft): 46,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): 2.0x10⁻⁴ _____

Analytical method: Cooper and Jacob (1946) semilog

AQUIFER PERFORMANCE TEST NUMBER: VL14

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	919-128-04
Section, Township, Range:	04,14,28	Casing length (ft):	147
Latitude/Longitude:	291952/812854	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	191
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	338
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	2,350
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL14

Observation Wells

Well I.D. number:	<u>919-128-08</u>	<u>919-128-08</u>	<u> </u>						
Distance from TPW (ft):	<u>407</u>	<u> </u>							
Casing length (ft):	<u>101</u>	<u> </u>							
Casing diameter (in):	<u>6</u>	<u> </u>							
Open hole length (ft):	<u>72</u>	<u> </u>							
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u>173</u>	<u> </u>							
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other: Latitude/Longitude:	<u>291948/812855</u>								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>209,440</u>	<u>216,920</u>	<u> </u>						
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>1.1x10⁻³</u>	<u>9.0x10⁻⁴</u>	<u> </u>						
	(a)	(b)							
Analytical method:	(a) Curve matching								
	(b) Straight-line								

AQUIFER PERFORMANCE TEST NUMBER: VL15

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	917-127-03
Section, Township, Range:	02,14,28	Casing length (ft):	105
Latitude/Longitude:	291724/812757	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	371
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	476
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	680
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL15

Observation Wells

Well I.D. number:	<u>917-127-04</u>	<u>917-127-04</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>700</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>113</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>8</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Latitude/Longitude:	<u>291725/812756</u>								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>187,000</u>	<u>179,520</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>5.0x10⁻⁴</u> (a)	<u>6.0x10⁻⁴</u> (b)	_____	_____	_____	_____	_____	_____	_____
Analytical method:	(a) Curve matching (b) Straight-line								

AQUIFER PERFORMANCE TEST NUMBER: VL16

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	915-128-04
Section, Township, Range:	29,14,28	Casing length (ft):	120
Latitude/Longitude:	291506/812857	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	304
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	424
Date of test:		Screened interval (ft):	
Length of test:	3 hours	Discharge (gpm):	570
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL16

Observation Wells

Well I.D. number:	<u>915-129-03</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>830</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>120</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>8</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>288</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>408</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other: Latitude/Longitude:	291507/812906	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>187,000</u>	<u>201,960</u>	<u>142,120</u>	<u>187,000</u>	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>5.0x10⁻⁴</u>	<u>4.0x10⁻⁴</u>	_____	_____	_____	_____	_____	_____
	(a)	(b)	(c)	(a)	_____	_____	_____	_____

Analytical method: (a) Curve matching
 (b) Straight-line
 (c) Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL17

General

Test Production Well (TPW)

County: Volusia
Section, Township, Range: 31,14,31
Latitude/Longitude: 291440/812828
Aquifer tested:
Test performed for:
Test performed by:
Date of test:
Length of test: 1.5 hours
Reference: Rutledge 1982

Well I.D. number: 914-128-04
Casing length (ft):
Casing diameter (in):
Open hole length (ft):
Aquifer penetration (ft):
Total depth (ft):
Screened interval (ft):
Discharge (gpm): 1,100

AQUIFER PERFORMANCE TEST NUMBER: VL17

Observation Wells

Well I.D. number:	<u>914-128-06</u>	<u> </u>							
Distance from TPW (ft):	<u>1,000</u>	<u> </u>							
Casing length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u>260</u>	<u> </u>							
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other: Latitude/Longitude:	<u>291439/812817</u>								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>149,600</u>	<u>179,520</u>	<u>314,160</u>	<u>149,600</u>	<u> </u>				
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>7.0x10⁻⁴</u>	<u>5.0x10⁻⁴</u>	<u> </u>						
	(a)	(b)	(c)	(a)					

Analytical method: (a) Curve matching
 (b) Straight-line
 (c) Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL18

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	915-125-02
Section, Township, Range:	24,14,28	Casing length (ft):	110
Latitude/Longitude:	291537/812550	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	400
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	510
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	860
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL18

Observation Wells

Well I.D. number:	<u>915-125-03</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>560</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>110</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>100</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>285</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>385</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Latitude/Longitude:	<u>291541/812546</u>	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>65,824</u>	<u>59,840</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>4.0x10⁻⁴</u> (a)	<u>5.0x10⁻⁴</u> (b)	_____	_____	_____	_____	_____	_____	_____
Analytical method:	(a) Curve matching (b) Straight-line								

AQUIFER PERFORMANCE TEST NUMBER: VL19

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	909-121-01
Section, Township, Range:	35,15,29	Casing length (ft):	84
Latitude/Longitude:	290929/812125	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	169
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	253
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	300
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL19

Observation Wells

Well I.D. number:	<u>909-121-07</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>545</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>79</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>8</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>38</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>117</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other: Latitude/Longitude:	290927/812128								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>216,928</u>	<u>142,120</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>6.0x10⁻⁴</u>	<u>1.3x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)							
Analytical method:	(a) Curve matching								
	(b) Straight-line								

AQUIFER PERFORMANCE TEST NUMBER: VL20

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	908-120-02
Section, Township, Range:	06,16,29	Casing length (ft):	108
Latitude/Longitude:	290850/812021	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	342
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	450
Date of test:		Screened interval (ft):	
Length of test:	3.25 hours	Discharge (gpm):	250
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL20

Observation Wells

Well I.D. number:	<u>908-120-03</u>	<u> </u>						
Distance from TPW (ft):	<u>850</u>	<u> </u>						
Casing length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Casing diameter (in):	<u>8</u>	<u> </u>						
Open hole length (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u>385</u>	<u> </u>						
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other: Latitude/Longitude:	<u>290847/812030</u>							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>53,108</u>	<u>47,124</u>	<u>58,344</u>	<u>53,108</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>3.0x10⁻⁴</u>	<u>3.0x10⁻⁴</u>	<u> </u>					
	(a)	(b)	(c)	(a)				

Analytical method: (a) Curve matching
 (b) Straight-line
 (c) Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL21

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	905-121-01
Section, Township, Range:	23,16,29	Casing length (ft):	
Latitude/Longitude:	290532/812135	Casing diameter (in):	8
Aquifer tested:		Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	
Date of test:		Screened interval (ft):	
Length of test:	2.75 hours	Discharge (gpm):	1,050
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL21

Observation Wells

Well I.D. number:	<u>905-121-07</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>1,000</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>8</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other: Latitude/Longitude:	290535/812148							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>665,720</u>	<u>658,240</u>	<u>276,760</u>	<u>665,720</u>	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>7.0x10⁻⁴</u>	<u>7.0x10⁻⁴</u>	_____	_____	_____	_____	_____	_____
	(a)	(b)	(c)	(a)				

Analytical method: (a) Curve matching
 (b) Straight-line
 (c) Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL22

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	919-128-02
Section, Township, Range:	33,13,28	Casing length (ft):	80
Latitude/Longitude:	291929/812840	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	55
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	135
Date of test:		Screened interval (ft):	
Length of test:	3 hours	Discharge (gpm):	480
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL22

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>66,572</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL23

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	918-127-02
Section, Township, Range:	03,14,28	Casing length (ft):	90
Latitude/Longitude:	291802/812741	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	385
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	475
Date of test:		Screened interval (ft):	
Length of test:	2 hours	Discharge (gpm):	810
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL23

Observation Wells

Well I.D. number: (TPW) _____

Distance from TPW (ft): _____

Casing length (ft): _____

Casing diameter (in): _____

Open hole length (ft): _____

Aquifer penetration (ft): _____

Total depth (ft): _____

Screened interval (ft): _____

Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 112,200 _____

Leakance: (gal/d ft³): _____

Storage coefficient
(dimensionless): _____

Analytical method: Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL24

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	914-128-02
Section, Township, Range:	33,14,28	Casing length (ft):	102
Latitude/Longitude:	291433/812852	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	147
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	249
Date of test:		Screened interval (ft):	
Length of test:	3 hours	Discharge (gpm):	800
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL24

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>119,680</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL25

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	914-125-05
Section, Township, Range:	36,14,28	Casing length (ft):	
Latitude/Longitude:	291422/812547	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	789
Date of test:		Screened interval (ft):	
Length of test:	2 hours	Discharge (gpm):	464
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL25

Observation Wells

Well I.D. number:	<u>(TPW)</u>	<u> </u>							
Distance from TPW (ft):	<u> </u>								
Casing length (ft):	<u> </u>								
Casing diameter (in):	<u> </u>								
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>								
Screened interval (ft):	<u> </u>								
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>33,660</u>	<u> </u>							
Leakance: (gal/d ft ³):	<u> </u>								
Storage coefficient (dimensionless):	<u> </u>								

Analytical method: Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL26

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	910-128-02
Section, Township, Range:	14,15,28	Casing length (ft):	110
Latitude/Longitude:	291055/812850	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	390
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	500
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	500
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL26

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>134,640</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL27

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	906-120-03
Section, Township, Range:	18,16,29	Casing length (ft):	160
Latitude/Longitude:	290635/812027	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	190
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	350
Date of test:		Screened interval (ft):	
Length of test:	3 hours	Discharge (gpm):	1,400
Reference:	Rutledge 1982		

AQUIFER PERFORMANCE TEST NUMBER: VL27

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>1,196,800</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Apparent transmissivity defined by specific capacity

AQUIFER PERFORMANCE TEST NUMBER: VL28

<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Volusia	Well I.D. number: 2910040811014.01 (1-A)
Section, Township, Range:	26,15,31	Casing length (ft): 119
Latitude/Longitude:	291004/811014	Casing diameter (in):
Aquifer tested:	Floridan	Open hole length (ft):
Test performed for:		Aquifer penetration (ft):
Test performed by:		Total depth (ft): 220
Date of test:	1/76	Screened interval (ft):
Length of test:	5 days	Discharge (gpm): 1,130
Reference:	Rutledge 1985	

AQUIFER PERFORMANCE TEST NUMBER: VL28

Observation Wells

Well I.D. number: _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: No data were available from the publication about the observation wells.

Aquifer Coefficients

Transmissivity (gal/d ft): 89,760 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____
Analytical method: Curve-matching

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AQUIFER PERFORMANCE TEST NUMBER: VL29

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia/Flagler	Well I.D. number:	4A
Section, Township, Range:	14,13,31	Casing length (ft):	105
Latitude/Longitude:	2922/8109	Casing diameter (in):	8
Aquifer tested:	Floridan	Open hole length (ft):	35
Test performed for:	Halifax Plantation and Bellemead Development Corp.	Aquifer penetration (ft):	
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	140
Date of test:		Screened interval (ft):	
Length of test:	45 hours	Discharge (gpm):	150
Reference:	Gomberg 1981 CUP No. 2-127-0278		

Note: With TPW 4A, observation well 4E was used.

AQUIFER PERFORMANCE TEST NUMBER: VL29

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia/Flagler	Well I.D. number:	4B
Section, Township, Range:		Casing length (ft):	50
Latitude/Longitude:		Casing diameter (in):	2
Aquifer tested:	Intermediate Shell	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	70
Date of test:		Screened interval (ft):	20
Length of test:	120 minutes	Discharge (gpm):	70
Reference:			

Note: With TPW 4B, observation well 4C was used.

AQUIFER PERFORMANCE TEST NUMBER: VL29

Observation Wells

Well I.D. number:	<u>4E</u>	<u>4C</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>80</u>	<u>14</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>105</u>	<u>30</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>2</u>	<u>2</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>15</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>120</u>	<u>50</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	<u>20</u>	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,200</u>	<u>27,500</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.0x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.5x10⁻⁴</u>	<u>1.6x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____

Analytical method: Walton's type-curve method was used for leaky artesian aquifers. Time drawdown data used Theis non-equilibrium type curve (Jacob 1950).

AQUIFER PERFORMANCE TEST NUMBER: VL30

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	15A
Section, Township, Range:	02,13,31	Casing length (ft):	48
Latitude/Longitude:	2924/8109	Casing diameter (in):	6
Aquifer tested:	Intermediate Shell	Open hole length (ft):	
Test performed for:	Halifax Plantation and Bellemead Development Corp.	Aquifer penetration (ft):	23
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	63
Date of test:		Screened interval (ft):	15
Length of test:	*72 hours; **30 minutes	Discharge (gpm):	*145; **106
Reference:	Gomberg 1981 CUP No. 02-127-0278		

AQUIFER PERFORMANCE TEST NUMBER: VL30

Observation Wells

	<u>15C*</u>	<u>15B**</u>	<u>TPW(15A)**</u>	_____	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	<u>27</u>	<u>26</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>18</u>	<u>60</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	<u>4</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>23</u>	<u>65</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	<u>5</u>	<u>5</u>	_____	_____	_____	_____	_____	_____	_____

Other: 15C: K/K' calculated at .07
 Nine other short-term tests ranging from 18 minutes to 75 minutes in length, yielded transmissivities from 1,100 to 9,600 and a storage coefficient of 2.0×10^{-3} for one test.

* 72 hour test
 ** 30 minute test

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>24,000</u>	<u>23,000</u>	<u>20,000</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>4.0×10^{-2}</u>	_____	_____	_____	_____	_____	_____	_____	_____
	(a)	(b)	(c)						

Analytical method: (a) Stallman (1965)
 (b) Cooper and Jacob (1946) modified non-equilibrium recovery
 (c) Recovery

AQUIFER PERFORMANCE TEST NUMBER: VL31

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	5P
Section, Township, Range:	14,13,31	Casing length (ft):	118
Latitude/Longitude:	2923/8109	Casing diameter (in):	*
Aquifer tested:	Floridan	Open hole length (ft):	62
Test performed for:	Halifax Plantation	Aquifer penetration (ft):	54
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	180
Date of test:		Screened interval (ft):	
Length of test:	520 minutes	Discharge (gpm):	129 max
Reference:	Gomberg 1984b CUP No. 2-127-0278		

* 6 in. casing to 97 ft and 4 in. casing to 118 ft

AQUIFER PERFORMANCE TEST NUMBER: VL31

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: _____

Aquifer Coefficients

Transmissivity (gal/d ft): 34,300 _____
Leakance: (gal/d ft³): _____
Storage coefficient (dimensionless): 1.0x10⁻⁴ estimated _____

Analytical method: Walton's formula
Six-step step-drawdown tests, 7 gpm to 129 gpm

AQUIFER PERFORMANCE TEST NUMBER: VL32

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	1
Section, Township, Range:	19,16,32	Casing length (ft):	125
Latitude/Longitude:	2906/8108	Casing diameter (in):	16
Aquifer tested:	Floridan	Open hole length (ft):	175
Test performed for:	City of Port Orange	Aquifer penetration (ft):	
Test performed by:	Q.L. Hampton Associates, Inc.	Total depth (ft):	300
Date of test:	10/15/84	Screened interval (ft):	
Length of test:	94 hours	Discharge (gpm):	400
Reference:	Q.L. Hampton Associates, Inc. 1984 CUP No. 2-127-0296		

AQUIFER PERFORMANCE TEST NUMBER: VL32

Observation Wells

	*	*	1-2	1-1	1-3				
Well I.D. number:									
Distance from TPW (ft):			150	400	800				
Casing length (ft):			117	120	105				
Casing diameter (in):			4	4	4				
Open hole length (ft):			93	110	125				
Aquifer penetration (ft):			93	110	125				
Total depth (ft):			210	230	230				
Screened interval (ft):									

Other: Constant rate discharge test was carried out.

*All three observation well data combined

Aquifer Coefficients

Transmissivity (gal/d ft):	42,059	40,615							
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	1.56×10^{-4} (a)	2.53×10^{-4} (b)							

Analytical method: (a) Curve-matching
(b) Straight-line

AQUIFER PERFORMANCE TEST NUMBER: VL33

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	2
Section, Township, Range:	30,16,32	Casing length (ft):	125
Latitude/Longitude:	2905/8108	Casing diameter (in):	16
Aquifer tested:	Floridan	Open hole length (ft):	125
Test performed for:	City of Port Orange	Aquifer penetration (ft):	105
Test performed by:	Q.L. Hampton Associates, Inc.	Total depth (ft):	250
Date of test:	9/7/84	Screened interval (ft):	
Length of test:	120 hours	Discharge (gpm):	390
Reference:	Q.L. Hampton Associates, Inc. 1984 CUP No. 2-127-0296		

AQUIFER PERFORMANCE TEST NUMBER: VL33

Observation Wells

	*	*	2-1	2-2	2-3				
Well I.D. number:									
Distance from TPW (ft):			150	400	800				
Casing length (ft):			124	124	124				
Casing diameter (in):			4	4	4				
Open hole length (ft):			125	120	121				
Aquifer penetration (ft):			**	108	120				
Total depth (ft):			249	244	245				
Screened interval (ft):									

Other: Constant rate discharge test was carried out.

* All three observation well data combined

** Information not given

Aquifer Coefficients

Transmissivity (gal/d ft):	33,289	33,213							
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	1.24×10^{-4} (a)	1.18×10^{-4} (b)							

Analytical method: (a) Theis non-equilibrium formula composite analysis
(b) Jacob modified non-equilibrium formula

AQUIFER PERFORMANCE TEST NUMBER: VL34

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	1
Section, Township, Range:	07,18,34	Casing length (ft):	
Latitude/Longitude:	2857/8058	Casing diameter (in):	8
Aquifer tested:		Open hole length (ft):	
Test performed for:	City of Edgewater	Aquifer penetration (ft):	
Test performed by:	Dyer, Riddle, Mills & Precourt, Inc.	Total depth (ft):	158
Date of test:		Screened interval (ft):	
Length of test:		Discharge (gpm):	375
Reference:	Dyer, Riddle, Mills & Precourt, Inc. 1986 CUP No. 2-127-0513ANGM		

AQUIFER PERFORMANCE TEST NUMBER: VL34

Observation Wells

Well I.D. number:	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>8</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>180</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>71,625</u>	<u>71,836</u>	<u>71,791</u>	<u>89,000</u>	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³): *	<u>1.6x10⁻³</u>	<u>2.8x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.19x10⁻⁴</u> (a) (c)	<u>2.3x10⁻⁴</u> (a) (d)	<u>1.0x10⁻³</u> (b) (c)	<u>6.4x10⁻⁴</u> (b) (d)	_____	_____	_____	_____	_____

Analytical method:

- (a) Hantush-Jacob matchpoint
- (b) Cooper and Jacob (1946)
- (c) Drawdown
- (d) Recovery

* Leakance derived from K' values given

AQUIFER PERFORMANCE TEST NUMBER: VL35

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	1
Section, Township, Range:	23,14,31	Casing length (ft):	90
Latitude/Longitude:	2916/8109	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	170
Test performed for:	Breakaway Trails	Aquifer penetration (ft):	115
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	260
Date of test:		Screened interval (ft):	
Length of test:	5 at 5 minutes	Discharge (gpm):	10.5-110 max
Reference:	Gomberg 1984a CUP No. 2-127-0613		

AQUIFER PERFORMANCE TEST NUMBER: VL35

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):		_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>314,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):		_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>6.0X10⁻⁴</u>	<u>assumed (Rutledge 1982)</u>	_____	_____	_____	_____	_____	_____	_____
Analytical method:	<u>Step-drawdown pump test; Jacob-Rorabaugh; the Walton formula</u>								

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AQUIFER PERFORMANCE TEST NUMBER: VL36

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	2
Section, Township, Range:	26,14,31	Casing length (ft):	87
Latitude/Longitude:	2915/8109	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	113
Test performed for:	Breakaway Trails	Aquifer penetration (ft):	116
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	200
Date of test:		Screened interval (ft):	
Length of test:	7 at 5 minutes	Discharge (gpm):	10.5-125 max
Reference:	Gomberg 1984a CUP No. 2-127-0613		

AQUIFER PERFORMANCE TEST NUMBER: VL36

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	3
Section, Township, Range:		Casing length (ft):	88
Latitude/Longitude:		Casing diameter (in):	4
Aquifer tested:		Open hole length (ft):	152
Test performed for:		Aquifer penetration (ft):	152
Test performed by:		Total depth (ft):	240
Date of test:		Screened interval (ft):	
Length of test:	8 at 5 minutes	Discharge (gpm):	4-127 max
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL36

Observation Wells

Well I.D. number:	<u>2 (TPW)</u>	<u>3 (TPW)</u>	<u> </u>						
Distance from TPW (ft):	<u> </u>								
Casing length (ft):	<u> </u>								
Casing diameter (in):	<u> </u>								
Open hole length (ft):	<u> </u>								
Aquifer penetration (ft):	<u> </u>								
Total depth (ft):	<u> </u>								
Screened interval (ft):	<u> </u>								
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>73,000</u>	<u>251,000</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Leakance: (gal/d ft ³):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Storage coefficient (dimensionless):	<u>6.0x10⁻⁴</u>	<u>6.0x10⁻⁴</u>	<u>assumed values (Rutledge 1982)</u>						

Analytical method: Step-drawdown pump test; Jacob-Rorabaugh; the Walton formula

AQUIFER PERFORMANCE TEST NUMBER: VL37

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	2FT
Section, Township, Range:	25,13,31	Casing length (ft):	112
Latitude/Longitude:	2921/8108	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	48
Test performed for:	National Gardens Trust and Bellemead Development Corp.	Aquifer penetration (ft):	59
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	160
Date of test:	1/23/80	Screened interval (ft):	
Length of test:	31.7 hours	Discharge (gpm):	140
Reference:	Gomberg 1980 CUP No. 2-127-0666		

AQUIFER PERFORMANCE TEST NUMBER: VL37

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	1F
Section, Township, Range:		Casing length (ft):	110
Latitude/Longitude:		Casing diameter (in):	4
Aquifer tested:		Open hole length (ft):	50
Test performed for:		Aquifer penetration (ft):	
Test performed by:		Total depth (ft):	160
Date of test:		Screened interval (ft):	
Length of test:	25 minutes	Discharge (gpm):	70.5
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL37

Observation Wells

	<u>2FT (TPW)</u>	<u>2FT (TPW)</u>	<u>2FM</u>	<u>2FM</u>	<u>2FM</u>	<u>1F (TPW)</u>			
Well I.D. number:									
Distance from TPW (ft):			59.2						
Casing length (ft):			110						
Casing diameter (in):			4						
Open hole length (ft):			50						
Aquifer penetration (ft):			55						
Total depth (ft):			160						
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>14,800</u>	<u>15,000</u>	<u>11,300</u>	<u>15,270</u>	<u>14,050</u>	<u>16,200</u>			
Leakance: (gal/d ft ³):			<u>2.9x10⁻¹</u>						
Storage coefficient (dimensionless):			<u>1.7x10⁻⁴</u>	<u>1.5x10⁻⁴</u>	<u>1.3x10⁻⁴</u>				
	(a)	(b)	(a) (c)	(a) (d)	(b) (d)	(b) (d)			

Analytical method:

- (a) Drawdown
- (b) Recovery
- (c) Hantush and Jacob (1955)
- (d) Cooper and Jacob (1946)

AQUIFER PERFORMANCE TEST NUMBER: VL38

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	9T
Section, Township, Range:	36,13,31	Casing length (ft):	55
Latitude/Longitude:	2920/8108	Casing diameter (in):	6
Aquifer tested:	Intermediate artesian	Open hole length (ft):	
Test performed for:	National Gardens Trust and Bellemead Development Corp.	Aquifer penetration (ft):	15
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	75
Date of test:	1/29/80	Screened interval (ft):	20
Length of test:	25 hours	Discharge (gpm):	44
Reference:	Gomberg 1980 CUP No. 2-127-0666		

Note: TPW 9T had three observation wells.

AQUIFER PERFORMANCE TEST NUMBER: VL38

Observation Wells

	<u>9T (TPW)</u>	<u>9T (TPW)</u>	<u>9-1</u>	<u>9-2</u>	<u>9-4</u>	<u>9-1</u>	<u>9-1</u>	<u>9-2</u>	<u>9-2</u>
Well I.D. number:									
Distance from TPW (ft):			20.2	19.8	60.4				
Casing length (ft):			55	60	55				
Casing diameter (in):			4	4	4				
Open hole length (ft):									
Aquifer penetration (ft):			15	15	15				
Total depth (ft):			75	65	75				
Screened interval (ft):			20	5	20				
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>3,640</u>	<u>5,380</u>	<u>3,480</u>	<u>4,270</u>	<u>6,080</u>	<u>3,140</u>	<u>4,680</u>	<u>4,005</u>	<u>3,870</u>
Leakance: (gal/d ft ³):			<u>8.5x10⁻²</u>	<u>1.09x10⁻¹</u>	<u>1.7x10⁻²</u>				
Storage coefficient (dimensionless):			<u>8.23x10⁻⁴</u>	<u>1.94x10⁻³</u>	<u>7.61x10⁻⁴</u>	<u>6.0x10⁻⁴</u>	<u>9.1x10⁻⁴</u>	<u>1.7x10⁻³</u>	<u>1.83x10⁻³</u>
	(a) (b)	(c) (b)	(a) (d)	(a) (d)	(a) (d)	(a) (b)	(c) (b)	(a) (b)	(c) (b)

Analytical method:

(a) Drawdown
 (b) Cooper and Jacob (1946)
 (c) Recovery
 (d) Hantush and Jacob (1955)

(continued)

AQUIFER PERFORMANCE TEST NUMBER: VL38

Observation Wells

Well I.D. number:	<u>9-4</u>	<u>9-4</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>6,830</u>	<u>6,450</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>7.86x10⁻⁴</u>	<u>8.1x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____
	(a) (b)	(c) (b)							

Analytical method: (a) Drawdown
 (b) Cooper and Jacob (1946)
 (c) Recovery

AQUIFER PERFORMANCE TEST NUMBER: VL39

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	1S
Section, Township, Range:	23,13,31	Casing length (ft):	50
Latitude/Longitude:	2922/8109	Casing diameter (in):	4
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:	National Gardens Trust and Bellemead Development Corp.	Aquifer penetration (ft):	17
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	65
Date of test:		Screened interval (ft):	15
Length of test:		Discharge (gpm):	8.6
Reference:	Gomberg 1980 CUP No. 2-127-0666		

AQUIFER PERFORMANCE TEST NUMBER: VL39

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):		_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>3,980</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):		_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):		_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery								

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AQUIFER PERFORMANCE TEST NUMBER: VI40

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	4A
Section, Township, Range:		Casing length (ft):	45
Latitude/Longitude:	2922/8109	Casing diameter (in):	4
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:	National Gardens Trust and Bellemead Development Corp.	Aquifer penetration (ft):	15
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	60
Date of test:		Screened interval (ft):	15
Length of test:		Discharge (gpm):	88
Reference:	Gomberg 1980 CUP No. 2-127-0666		

Note: This aquifer performance test number used three TPWs and no observation wells.

AQUIFER PERFORMANCE TEST NUMBER: VL40

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	5A
Section, Township, Range:		Casing length (ft):	45
Latitude/Longitude:		Casing diameter (in):	4
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	35
Test performed by:		Total depth (ft):	65
Date of test:		Screened interval (ft):	20
Length of test:		Discharge (gpm):	53
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL40

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	7
Section, Township, Range:		Casing length (ft):	45
Latitude/Longitude:		Casing diameter (in):	4
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	15
Test performed by:		Total depth (ft):	65
Date of test:		Screened interval (ft):	20
Length of test:		Discharge (gpm):	28
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL40

Observation Wells

	<u>4A (TPW)</u>	<u>5A (TPW)</u>	<u>7 (TPW)</u>	_____	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):									
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):									
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>3,910</u>	<u>8,100</u>	<u>3,950</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery								

AQUIFER PERFORMANCE TEST NUMBER: VI41

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	2S
Section, Township, Range:	26,13,31	Casing length (ft):	29
Latitude/Longitude:	2921/8109	Casing diameter (in):	4
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:	National Gardens Trust and Bellemead Development Corp.	Aquifer penetration (ft):	65
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	49
Date of test:		Screened interval (ft):	20
Length of test:		Discharge (gpm):	82
Reference:	Gomberg 1980 CUP No. 2-127-0666		

Note: This aquifer performance test number used two TPWs and no observation wells.

AQUIFER PERFORMANCE TEST NUMBER: VL41

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	6
Section, Township, Range:		Casing length (ft):	46
Latitude/Longitude:		Casing diameter (in):	4
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	23
Test performed by:		Total depth (ft):	66
Date of test:		Screened interval (ft):	20
Length of test:		Discharge (gpm):	44
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL41

Observation Wells

Well I.D. number:	<u>2S (TPW)</u>	<u>6 (TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>19,700</u>	<u>5,280</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery								

AQUIFER PERFORMANCE TEST NUMBER: VL42

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	11
Section, Township, Range:	36,13,31	Casing length (ft):	55
Latitude/Longitude:	29200/810730	Casing diameter (in):	4
Aquifer tested:	Intermediate	Open hole length (ft):	
Test performed for:	National Gardens Trust and Bellemead Development Corp.	Aquifer penetration (ft):	20
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	75
Date of test:		Screened interval (ft):	20
Length of test:		Discharge (gpm):	41
Reference:	Gomberg 1980 CUP No. 2-127-0666		

AQUIFER PERFORMANCE TEST NUMBER: VI42

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>4,130</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery								

AQUIFER PERFORMANCE TEST NUMBER: VL43

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	4B
Section, Township, Range:	23,13,31	Casing length (ft):	18
Latitude/Longitude:	292130/810830	Casing diameter (in):	2
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:	National Gardens Trust and Bellemead Development Corp.	Aquifer penetration (ft):	16
Test performed by:	David N. Gomberg, Ph.D.	Total depth (ft):	23
Date of test:		Screened interval (ft):	5
Length of test:	15 minutes	Discharge (gpm):	18
Reference:	Gomberg 1980 CUP No. 2-127-0666		

Note: Each TPW was tested separately, and no observation wells were used.

AQUIFER PERFORMANCE TEST NUMBER: VL43

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	5B
Section, Township, Range:		Casing length (ft):	12
Latitude/Longitude:		Casing diameter (in):	2
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	12
Test performed by:		Total depth (ft):	15
Date of test:		Screened interval (ft):	3
Length of test:	15 minutes	Discharge (gpm):	6
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL43

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	8
Section, Township, Range:		Casing length (ft):	20
Latitude/Longitude:		Casing diameter (in):	4
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	26
Test performed by:		Total depth (ft):	30
Date of test:		Screened interval (ft):	10
Length of test:	30 minutes	Discharge (gpm):	20
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL43

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	9-3
Section, Township, Range:	35,13,31	Casing length (ft):	12
Latitude/Longitude:		Casing diameter (in):	2
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	15
Test performed by:		Total depth (ft):	15
Date of test:		Screened interval (ft):	3
Length of test:		Discharge (gpm):	5
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VI43

General

Test Production Well (TPW)

County:	Volusia	Well I.D. number:	12S
Section, Township, Range:		Casing length (ft):	15
Latitude/Longitude:		Casing diameter (in):	4
Aquifer tested:	Surficial	Open hole length (ft):	
Test performed for:		Aquifer penetration (ft):	15
Test performed by:		Total depth (ft):	20
Date of test:		Screened interval (ft):	5
Length of test:		Discharge (gpm):	10
Reference:			

AQUIFER PERFORMANCE TEST NUMBER: VL43

Observation Wells

Well I.D. number:	<u>8 (TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:	4B: 3.0 gal/min ft specific capacity 5B: 0.6 gal/min ft specific capacity 8: 1.0 gal/min ft specific capacity 9-3: 0.5 gal/min ft specific capacity							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>9-10,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Recovery	_____	_____	_____	_____	_____	_____	_____

AQUIFER PERFORMANCE TEST NUMBER: VL44

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	4
Section, Township, Range:	11,18,30	Casing length (ft):	147
Latitude/Longitude:	2856/8118	Casing diameter (in):	10
Aquifer tested:	Floridan	Open hole length (ft):	148
Test performed for:	Orange City Water Company	Aquifer penetration (ft):	
Test performed by:	Boyle Engineering Corp.	Total depth (ft):	295
Date of test:	9/5/86	Screened interval (ft):	
Length of test:	Over 6.67 hours	Discharge (gpm):	430
Reference:	Boyle Engineering Corp. 1986 CUP No. 2-127-0674ANVGM		

AQUIFER PERFORMANCE TEST NUMBER: VL44

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>40,000</u>	<u>estimated</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Time drawdown semilog graph							

AQUIFER PERFORMANCE TEST NUMBER: VL45

	<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Volusia	Well I.D. number:	PW-1
Section, Township, Range:	24,15,30	Casing length (ft):	85
Latitude/Longitude:	2910/8115	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	215
Test performed for:	Briley Wild & Associates, Inc.	Aquifer penetration (ft):	225
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	300
Date of test:	10/18/89	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	1,013
Reference:	Jammal & Associates, Inc. 1989a		

AQUIFER PERFORMANCE TEST NUMBER: VL45

Observation Wells

	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	_____	_____	_____	_____	_____	_____
Well I.D. number:									
Distance from TPW (ft):	21,120	104	995						
Casing length (ft):	111	83	78						
Casing diameter (in):	4	4	4						
Open hole length (ft):	189	217	347						
Aquifer penetration (ft):									
Total depth (ft):	300	300	425						
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	78,580								
Leakance: (gal/d ft ³):	3×10^{-2}								
Storage coefficient (dimensionless):	2.2×10^{-4}								

Analytical method: Curve-matching Hantush and Jacob (1955)

AQUIFER PERFORMANCE TEST NUMBER: VL46

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	PSW-1
Section, Township, Range:	08,18,31	Casing length (ft):	95
Latitude/Longitude:	2856/8114	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	45
Test performed for:	Volusia County Utilities	Aquifer penetration (ft):	
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	140
Date of test:	08/15/89	Screened interval (ft):	
Length of test:	48 hours	Discharge (gpm):	350
Reference:	Jammal & Associates, Inc. 1989b		

AQUIFER PERFORMANCE TEST NUMBER: VL46

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>250,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.25x10⁻¹</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>8x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush and Jacob (1955)								

AQUIFER PERFORMANCE TEST NUMBER: VL47

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	PSW-2
Section, Township, Range:	08,18,31	Casing length (ft):	95
Latitude/Longitude:	2856/8114	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	125
Test performed for:	Volusia County Utilities	Aquifer penetration (ft):	
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	220
Date of test:	08/18/89	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	170
Reference:	Jammal & Associates, Inc. 1989b		

AQUIFER PERFORMANCE TEST NUMBER: VL47

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____
Other:								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>45,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>8x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Hantush and Jacob (1955)

AQUIFER PERFORMANCE TEST NUMBER: VL48

	<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Volusia	Well I.D. number:	PSW-3
Section, Township, Range:	08,18,31	Casing length (ft):	95
Latitude/Longitude:	2856/8114	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	105
Test performed for:	Volusia County Utilities	Aquifer penetration (ft):	
Test performed by:	Jammal & Associates, Inc.	Total depth (ft):	200
Date of test:	10/12/89	Screened interval (ft):	
Length of test:	48 hours	Discharge (gpm):	350
Reference:	Jammal & Associates, Inc. 1989b		

AQUIFER PERFORMANCE TEST NUMBER: VL48

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>23,600</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Hantush and Jacob (1955)

AQUIFER PERFORMANCE TEST NUMBER: VI49

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	PW-33
Section, Township, Range:	29,18,31	Casing length (ft):	126
Latitude/Longitude:	2853/8114	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	134
Test performed for:	Southern States Utilities Services, Inc.	Aquifer penetration (ft):	
Test performed by:	Hartman & Associates, Inc.	Total depth (ft):	260
Date of test:	9/11/90	Screened interval (ft):	
Length of test:	48 hours	Discharge (gpm):	938
Reference:	Hartman & Associates, Inc. 1991		

AQUIFER PERFORMANCE TEST NUMBER: VL49

Observation Wells

Well I.D. number:	<u>MW-33</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>19</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>126</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>134</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>260</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>14,526</u>	<u>57,588</u>	<u>23,616</u>	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>6.43</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.29x10⁻³</u> (a)	<u>1.3x10⁻⁴</u> (b)	_____	_____	_____	_____	_____	_____	_____

Analytical method: (a) Theis
(b) Cooper and Jacob (1946)

AQUIFER PERFORMANCE TEST NUMBER: VL50

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	T1
Section, Township, Range:	05,18,34	Casing length (ft):	108
Latitude/Longitude:	2857/8056	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	98
Test performed for:	City of Edgewater	Aquifer penetration (ft):	
Test performed by:	Dyer, Riddle, Mills, & Precourt, Inc.	Total depth (ft):	206
Date of test:	4/18/88	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	390
Reference:	Dyer, Riddle, Mills, & Precourt, Inc. 1988		

AQUIFER PERFORMANCE TEST NUMBER: VL50

Observation Wells

	<u>T2</u>	<u>T3</u>	_____	_____	_____	_____	_____	_____	_____
Well I.D. number:	_____	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>500</u>	<u>500</u>	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>102</u>	<u>25</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>4</u>	<u>4</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>104</u>	<u>10</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>206</u>	<u>35</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Other: T3 penetrates the surficial aquifer only. An effective confining layer exists between the surficial aquifer and the Floridan aquifer.

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>142,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>9.0x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>2.5x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Theis graphical method with type-curve matching, composite analysis

AQUIFER PERFORMANCE TEST NUMBER: VL51

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	PW-1
Section, Township, Range:	18,16,33	Casing length (ft):	107
Latitude/Longitude:	290625/810138	Casing diameter (in):	12
Aquifer tested:	Floridan	Open hole length (ft):	143
Test performed for:	Utilities Commission City of New Smyrna Beach	Aquifer penetration (ft):	
Test performed by:	Dyer, Riddle, Mills, & Precourt, Inc.	Total depth (ft):	250
Date of test:	11/15-18/90	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	350
Reference:	Dyer, Riddle, Mills, & Precourt, Inc. 1990b		

AQUIFER PERFORMANCE TEST NUMBER: VL51

Observation Wells

	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	<u>MW-4*</u>	<u>MW-5*</u>	<u>MW-6*</u>	<u> </u>	<u> </u>	<u> </u>
Well I.D. number:									
Distance from TPW (ft):	<u>250</u>	<u>100</u>	<u>500</u>	<u>250</u>	<u>100</u>	<u>500</u>			
Casing length (ft):	<u>90</u>	<u>90</u>	<u>91</u>	<u>5</u>	<u>5</u>	<u>5</u>			
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):	<u>255</u>	<u>255</u>	<u>251</u>	<u>15</u>	<u>15</u>	<u>15</u>			
Screened interval (ft):									
Other:	*Surficial								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>60,000</u>								
Leakance: (gal/d ft ³):	<u>1.7x10⁻³</u>								
Storage coefficient (dimensionless):	<u>3x10⁻⁴</u>								

Analytical method: Theis curve-matching and Cooper and Jacob (1946)

AQUIFER PERFORMANCE TEST NUMBER: VL52

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	1
Section, Township, Range:	22,17,32	Casing length (ft):	115
Latitude/Longitude:	2900/8104	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	37
Test performed for:	Utilities Commission City of New Smyrna Beach	Aquifer penetration (ft):	
Test performed by:	Dyer, Riddle, Mills, & Precourt, Inc.	Total depth (ft):	152
Date of test:	1/8/87	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	650
Reference:	Dyer, Riddle, Mills, & Precourt, Inc. 1987		

AQUIFER PERFORMANCE TEST NUMBER: VL52

Observation Wells

Well I.D. number:	<u>4</u>	<u>6</u>	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>115</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>126</u>	<u>100</u>	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	<u>12</u>	<u>12</u>	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>66</u>	<u>104</u>	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>192</u>	<u>204</u>	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>51,400</u>	<u>141,000</u>	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.95x10⁻¹</u>	<u>2.32x10⁻²</u>	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>1.95x10⁻⁴</u>	<u>2.27x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: VL53

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	1
Section, Township, Range:	21,17,32	Casing length (ft):	
Latitude/Longitude:	290038/810616	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	
Test performed for:	Kirkland Sod Farm	Aquifer penetration (ft):	
Test performed by:	Atlanta Testing & Engineering, Inc.	Total depth (ft):	200
Date of test:	5/8/91	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	800
Reference:	Atlanta Testing & Engineering, Inc. 1991 CUP NO. 2-127-0236ANR		

AQUIFER PERFORMANCE TEST NUMBER: VL53

Observation Wells

Well I.D. number:	<u>*</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>75</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>200</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	*Well I.D. number not provided in reference document.								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>56,500</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	<u>1.7x10⁻³</u>	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	<u>2.7x10⁻⁴</u>	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Hantush and Jacob (1955) flow equations								

AQUIFER PERFORMANCE TEST NUMBER: VL54

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	2
Section, Township, Range:	11,16,31	Casing length (ft):	105
Latitude/Longitude:	2907/8109	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	195
Test performed for:	City of Daytona	Aquifer penetration (ft):	
Test performed by:	Russell & Axon, Inc.	Total depth (ft):	300
Date of test:	9/20/84	Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	100
Reference:	Russell & Axon, Inc. 1985		

AQUIFER PERFORMANCE TEST NUMBER: VL54

Observation Wells

Well I.D. number: (TPW) _____
Distance from TPW (ft): _____
Casing length (ft): _____
Casing diameter (in): _____
Open hole length (ft): _____
Aquifer penetration (ft): _____
Total depth (ft): _____
Screened interval (ft): _____
Other: Specific capacity = 21.6 gpm/ft

Aquifer Coefficients

Transmissivity (gal/d ft): 48,000 _____
Leakance: (gal/d ft³): _____
Storage coefficient
(dimensionless): _____
Analytical method: Not published

AQUIFER PERFORMANCE TEST NUMBER: VL55

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	3
Section, Township, Range:	16,16,31	Casing length (ft):	101
Latitude/Longitude:	2906/8111	Casing diameter (in):	4
Aquifer tested:	Floridan	Open hole length (ft):	199
Test performed for:	City of Daytona	Aquifer penetration (ft):	
Test performed by:	Russell & Axon, Inc.	Total depth (ft):	300
Date of test:	9/19/84	Screened interval (ft):	
Length of test:	8 hours	Discharge (gpm):	100
Reference:	Russell & Axon, Inc. 1985		

AQUIFER PERFORMANCE TEST NUMBER: VL55

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):		_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):		_____	_____	_____	_____	_____	_____	_____	_____
Other:		Specific capacity = 12.6 gpm/ft							

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>75,400</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):		_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):		_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:		Not published							

AQUIFER PERFORMANCE TEST NUMBER: VL56

	<u>General</u>	<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	4
Section, Township, Range:	30,16,31	Casing length (ft):	81
Latitude/Longitude:	2905/8114	Casing diameter (in):	6
Aquifer tested:	Floridan	Open hole length (ft):	419
Test performed for:	City of Daytona	Aquifer penetration (ft):	
Test performed by:	Russell & Axon, Inc.	Total depth (ft):	500
Date of test:	9/17/84	Screened interval (ft):	
Length of test:	24 hours	Discharge (gpm):	400
Reference:	Russell & Axon, Inc. 1985		

AQUIFER PERFORMANCE TEST NUMBER: VL56

Observation Wells

Well I.D. number:	<u>(TPW)</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	Specific capacity = 24.0 gpm/ft								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>28,700</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Analytical method:	Not published								

AQUIFER PERFORMANCE TEST NUMBER: VL57

	<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Volusia	Well I.D. number:	13
Section, Township, Range:	01,16,31	Casing length (ft):	104
Latitude/Longitude:	2909/8108	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	246
Test performed for:	City of Daytona Beach	Aquifer penetration (ft):	
Test performed by:	Camp Dresser & McKee, Inc.	Total depth (ft):	350
Date of test:	05/16/88	Screened interval (ft):	
Length of test:	72 hours	Discharge (gpm):	770
Reference:	Camp Dresser & McKee, Inc. 1988		

AQUIFER PERFORMANCE TEST NUMBER: VL57

Observation Wells

	12	14	15						
Well I.D. number:	12	14	15						
Distance from TPW (ft):	988	812	1,712						
Casing length (ft):	110	100	102						
Casing diameter (in):									
Open hole length (ft):	240	250	248						
Aquifer penetration (ft):									
Total depth (ft):	350	350	350						
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	146,120								
Leakance: (gal/d ft ³):	6.6×10^{-1}								
Storage coefficient (dimensionless):	5.9×10^{-4}								

Analytical method: Aquifer coefficients are average values derived from Theis, Cooper and Jacob (1946), and Walton for leaky artesian aquifers.

AQUIFER PERFORMANCE TEST NUMBER: VL58

<u>General</u>		<u>Test Production Well (TPW)</u>	
County:	Volusia	Well I.D. number:	4b
Section, Township, Range:	11,13,31	Casing length (ft):	45 *
Latitude/Longitude:	2923/8108	Casing diameter (in):	
Aquifer tested:	Surficial	Open hole length (ft):	21 *
Test performed for:	Bellemead Development Corp.	Aquifer penetration (ft):	
Test performed by:	Missimer and Associates, Inc.	Total depth (ft):	66 *
Date of test:	10/78	Screened interval (ft):	
Length of test:		Discharge (gpm):	70
Reference:	Missimer and Associates, Inc. 1978		

* Numbers are approximate

AQUIFER PERFORMANCE TEST NUMBER: VL58

Observation Wells

Well I.D. number:	<u>4c</u>	_____	_____	_____	_____	_____	_____	_____	_____
Distance from TPW (ft):	<u>14</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing length (ft):	<u>52</u>	_____	_____	_____	_____	_____	_____	_____	_____
Casing diameter (in):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Open hole length (ft):	<u>27</u>	_____	_____	_____	_____	_____	_____	_____	_____
Aquifer penetration (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total depth (ft):	<u>79</u>	_____	_____	_____	_____	_____	_____	_____	_____
Screened interval (ft):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Other:	_____	_____	_____	_____	_____	_____	_____	_____	_____

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>26,000</u>	_____	_____	_____	_____	_____	_____	_____	_____
Leakance: (gal/d ft ³):	_____	_____	_____	_____	_____	_____	_____	_____	_____
Storage coefficient (dimensionless):	_____	_____	_____	_____	_____	_____	_____	_____	_____

Analytical method: Jacob modified non-equilibrium

AQUIFER PERFORMANCE TEST NUMBER: VL59

	<u>General</u>		<u>Test Production Well (TPW)</u>
County:	Volusia	Well I.D. number:	4a
Section, Township, Range:	11,13,31	Casing length (ft):	107 *
Latitude/Longitude:	2923/8108	Casing diameter (in):	
Aquifer tested:	Floridan	Open hole length (ft):	38 *
Test performed for:	Bellemead Development Corp.	Aquifer penetration (ft):	
Test performed by:	Missimer and Associates, Inc.	Total depth (ft):	145 *
Date of test:	10/78	Screened interval (ft):	
Length of test:	45 hours	Discharge (gpm):	150
Reference:	Missimer and Associates, Inc. 1978		

* Numbers are approximate

AQUIFER PERFORMANCE TEST NUMBER: VL59

Observation Wells

Well I.D. number:	<u>4d</u>	<u>4e</u>	<u> </u>						
Distance from TPW (ft):	<u>80</u>	<u>80</u>	<u> </u>						
Casing length (ft):	<u>280*</u>	<u>107*</u>	<u> </u>						
Casing diameter (in):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Open hole length (ft):	<u>35</u>	<u>38*</u>	<u> </u>						
Aquifer penetration (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total depth (ft):	<u>315*</u>	<u>145*</u>	<u> </u>						
Screened interval (ft):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Other:	* Numbers are approximate								

Aquifer Coefficients

Transmissivity (gal/d ft):	<u>12,000</u>	<u> </u>							
Leakance: (gal/d ft ³):	<u>1x10⁻²</u>	<u> </u>							
Storage coefficient (dimensionless):	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Analytical method: Walton unsteady state

AQUIFER PERFORMANCE TEST NUMBER: VL60

	<u>General</u>	<u>Test Production Well (TPW)</u>
County:	Volusia	Well I.D. number: 9
Section, Township, Range:	16,17,30	Casing length (ft): 176
Latitude/Longitude:	2901/8118	Casing diameter (in): 24 in. to 35 ft, 16 in. from 35 ft to 135 ft, 12 in. from 135 ft to 176 ft
Aquifer tested:	Floridan	Open hole length (ft): 149
Test performed for:	Smith and Gillespie Engineers and the City of De Land	Aquifer penetration (ft):
Test performed by:	G. Warren Leve, Inc.	Total depth (ft): 325
Date of test:	7/12/88	Screened interval (ft):
Length of test:	28 hours	Discharge (gpm): 800 to 1,910 step drawdown and 2 hour recovery
Reference:	G. Warren Leve, Inc. 1988	

AQUIFER PERFORMANCE TEST NUMBER: VL60

Observation Wells

	10	11							
Well I.D. number:	10	11							
Distance from TPW (ft):									
Casing length (ft):									
Casing diameter (in):									
Open hole length (ft):									
Aquifer penetration (ft):									
Total depth (ft):									
Screened interval (ft):									
Other:									

Aquifer Coefficients

Transmissivity (gal/d ft):	336,000	368,375							
Leakance: (gal/d ft ³):									
Storage coefficient (dimensionless):	3.913x10 ⁻¹								
	(a)	(b)							

Analytical method: (a) Hantush curve-match
(b) Cooper and Jacob (1946)

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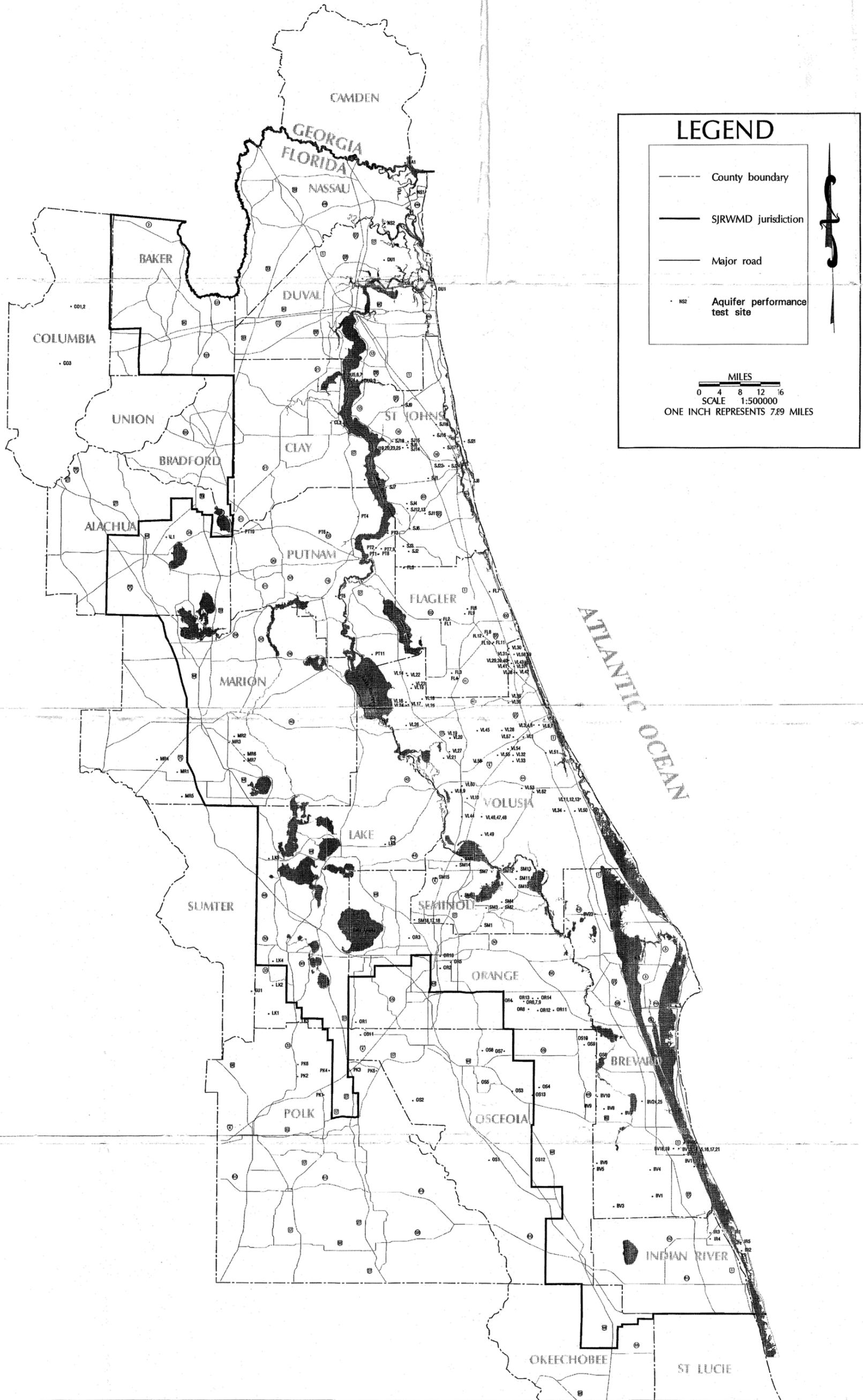
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This map shows the location of 225 aquifer performance test sites in and close to the St. Johns River Water Management District. Details of each aquifer performance test are contained in Technical Publication SJ93-1.

This map was produced using the Transverse Mercator Projection, Clarke 1866 Ellipsoid, Florida State Plane System, East Zone, 1983 Datum. This map should only be used as a general guide to site location and is subject to all limitations normally associated with the creation of maps by interpretation of locational coordinates. No attempt was made to define or locate specific jurisdictional boundaries of other federal, state, or local agencies. Information may not be suitable for other purposes. This information is provided "as is." Further documentation of this data set can be obtained by contacting:
 St. Johns River Water Management District
 Division of Geomatics
 P.O. Box 1425, Palmdale, Florida 32178-1425
 904-324-1170