

**Lee County Board Of County Commissioners**  
**Agenda Item Summary**

**Blue Sheet No. 20041420**

**1. REQUESTED MOTION:**

**ACTION REQUESTED:** Approve Supplemental Task Authorization (STA) No. 32 to Contract #2312, to Water Resource Solutions., for CN-02-24 County-Wide Environmental Contract (Hydrological Impacts, Site Assessment, Site Remediation) – Monitoring Well Replacement Project in the amount of \$155,830.00.

**WHY ACTION IS NECESSARY:** Board approval is required.

**WHAT ACTION ACCOMPLISHES:** Provides the installation, oversight, and lithologic descriptions of 29 water table aquifer well, one Lower Tamiami aquifer well, one Sandstone aquifer well, and two Mid Hawthorn aquifer wells.

**2. DEPARTMENTAL CATEGORY:**  
08. Natural Resources  
**COMMISSION DISTRICT #:**

**C8A**

**3. MEETING DATE:**

**11-16-2004**

**4. AGENDA:**

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:**

**5. REQUIREMENT/PURPOSE:**  
(Specify)

- STATUTE
- ORDINANCE
- ADMIN. CODE **AC-4-4**
- OTHER

**6. REQUESTOR OF INFORMATION:**

- A. COMMISSIONER
- B. DEPARTMENT **Public Works**
- C. DIVISION **Natural Resources**
- BY: **Roland Ottolini, P.E., Director**

*[Signature]*

**7. BACKGROUND:**

On October 8, 2002, the Board of County Commissioners approved the award of CN-02-24 County-Wide Environmental Contract (Hydrological Impacts, Site Assessment, Site Remediation) to the following firms: American Management Resource Corp. (AMRC); Ardaman & Associates Inc.; ECT Environmental Consulting & Technologies; GFA International; HAS Engineers & Scientists; Professional Services Industries, Inc. (PSI); TKW Consulting Engineers; and Water Resource Solutions, for a contract period of two years with the option of renewal for one (1) additional year.

This Supplemental Task Authorizations (STAs) No. 32 provides the installation, oversight, and lithologic descriptions of 29 water table aquifer wells, one Lower Tamiami aquifer well, one Sandstone aquifer well, and two Mid Hawthorn aquifer wells for a total amount of \$155,830.00.

Funds will be available from account string: 20858230100.503190

Attachment: Supplemental Task Authorization No. 32 for Execution

**8. MANAGEMENT RECOMMENDATIONS:**

**9. RECOMMENDED APPROVAL:**

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services				G County Manager
					OA	OM	Risk	GC	
<i>[Signature]</i> 10-28-04	<i>[Signature]</i> 10/27/04	N/A	<i>[Signature]</i> 10/28/04	<i>[Signature]</i> 11/1/04	<i>[Signature]</i> 11-4-04	<i>[Signature]</i> 11/1/04	<i>[Signature]</i> 11/1/04	<i>[Signature]</i> 11/2/04	<i>[Signature]</i> 10-28-04

**10. COMMISSION ACTION:**

- APPROVED
- DENIED
- DEFERRED
- OTHER

**Rec. by CoAtty**  
**Date: 11/1/04**  
**Time: 8:00**  
**Forwarded To:**  
*[Signature]*

**RECEIVED BY**  
**COUNTY ADMIN:** *[Signature]*  
**11/01/04**  
**11:21 am**  
**COUNTY ADMIN**  
**FORWARDED TO:** *[Signature]*  
**11/4/04**  
**3:00**

LEE COUNTY PROFESSIONAL SERVICE/SERVICE PROVIDER AGREEMENT  
CHANGE ORDER/SUPPLEMENTAL TASK AUTHORIZATION

Change Order  
 Supplemental Task Authorization

NO.: 32

(A Change Order or Supplemental Task Authorization Requires Approval by the Department Director for Expenditures Under \$25,000 or Approval by the County Manager for Expenditures Between \$25,000 and \$50,000 or Approval by the Board of County Commissioners for Expenditures over \$50,000)

County-wide environmental contract (Hydrological Impacts, Site Assessment, Site Remediation)  
CONTRACT/PROJECT NAME: MONITORING WELL REPLACEMENT PROJECT

CONSULTANT: WATER RESOURCE SOLUTIONS

PROJECT NO.: 8582

SOLICIT NO.: CN-02-24 CONTRACT NO.: 2312 ACCOUNT NO.:

REQUESTED BY: Randy Edelstein, Natural Resources Management DATE OF REQUEST: 9/21/04

Upon the completion and execution of this Change Order or Supplemental Task Authorization by both parties the Consultant/Provider is authorized to and shall proceed with the following:

- EXHIBIT "CO/STA-A: SCOPE OF PROFESSIONAL SERVICE: DATED: 9/21/04
- EXHIBIT "CO/STA-B: COMPENSATION & METHOD OF PAYMENT: DATED: 9/21/04
- EXHIBIT "CO/STA-C: TIME AND SCHEDULE OF PERFORMANCE: DATED: 9/21/04
- EXHIBIT "CO/STA-D: CONSULTANT'S/PROVIDERS ASSOCIATED SUB-CONSULTANT(S)/SUB-CONTRACTORS: DATED: 9/21/04
- EXHIBIT "CO/STA-E: PROJECT GUIDELINES AND CRITERIA: DATED: 9/21/04

It is understood and agreed that the acceptance of this modification by the CONSULTANT/PROVIDER constitutes an accord and satisfaction.

RECOMMENDED:

By: [Signature] 10/29/02  
Date  
Department Director

ACCEPTED:

By: [Signature]  
Date  
Consultant/Provider  
(Print Name) Don Mayne

COUNTY APPROVAL:

By: \_\_\_\_\_  
Date  
Department Director  
(Print Name) \_\_\_\_\_  
(Under \$25,000)

By: [Signature] 10/26/04  
Date  
Contracts Mgmt

Date Accepted: 9-21-04

Date Approved: \_\_\_\_\_

Corporate Seal

APPROVED:

By: \_\_\_\_\_  
Date  
\*County Attorney's Office Date

By: \_\_\_\_\_  
Date  
County Manager (Between  
(\$25,000 and under \$50,000)  
Date Approved: \_\_\_\_\_

\*County Attorney signature needed for over Board level expenditures only.

By: \_\_\_\_\_  
Date  
Chairman  
Board of County Commissioners  
Date Approved: \_\_\_\_\_

CHANGE ORDER AGREEMENT No.

or

SUPPLEMENTAL TASK AUTHORIZATION No. 32

EXHIBIT "CO/STA-A"

Date: 9/21/04

SCOPE OF PROFESSIONAL SERVICES

for MONITORING WELL REPLACEMENT PROJECT

(Enter Project Name from Page 1 of the  
Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) TO PROFESSIONAL SERVICES

The "Scope of Professional Services" as set forth in Exhibit "A" of the Professional Services Agreement, or Service Provider Agreement, referred to hereinbefore is hereby supplemented, changed or authorized, so that the CONSULTANT or SERVICE PROVIDER, shall provide and perform the following professional services, tasks, or work as a supplement to, change to, or authorized to, the scope of services previously agreed to and authorized:

The scope of work associated with this STA includes the installation, oversight, and lithologic descriptions of 29 water table aquifer well, one Lower Tamiami aquifer well, one Sandstone aquifer well, and two Mid Hawthorn aquifer wells.

\*Attach additional pages, if needed.

Page A1 of A1

CMO:025  
09/25/01

CHANGE ORDER AGREEMENT No.  
 SUPPLEMENTAL TASK AUTHORIZATION No. 32

EXHIBIT "CO/STA-B"

Date: 9/21/04

COMPENSATION AND METHOD OF PAYMENT

for MONITORING WELL REPLACEMENT PROJECT

(Enter Project Name from Page 1 of the  
Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) IN COMPENSATION

The compensation the CONSULTANT, or SERVICE PROVIDER, shall be entitled to receive for providing and performing the supplemented, changed or authorized services, tasks, or work as set forth and enumerated in the Scope of Services set forth in this CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto shall be as follows:

NOTE: A Lump Sum (L.S.) or Not-to-Exceed (N.T.E.) amount of compensation to be paid the CONSULTANT should be established and set forth below for each task or sub-task described and authorized in Exhibit "S/COA-A". In accordance with Professional Services Agreement Article 5.03(2) "Method of Payment", tasks to be paid on a Work-in-Progress payment basis should be identified (WIPP).

Task Number	Task Title	Amount of Compensation	Indicate Basis of Compensation LS or NTE	If Applicable Indicate (W.I.P.P.)
10	Other Related Env. Tasks	155,830.00	LS	WIPP
TOTAL		155,830.00	LS	

(Unless list is continued on next page)

CHANGE ORDER AGREEMENT No.  
or  
 SUPPLEMENTAL TASK AUTHORIZATION No. 32

*Exhibit "CO/STA-B"*  
*Date: 9/21/04*

SECTION 2.00 SUMMARY OF CHANGE(S) IN COMPENSATION

Pursuant to and in consideration of the change(s) in the Scope of Professional Services set forth in the CHANGE ORDER or AGREEMENT, Exhibit "CO/STA-A", the compensation the COUNTY has previously agreed to pay to the CONSULTANT, or SERVICE PROVIDER, as set forth in Exhibit "B" of the Professional Services Agreement, or Service Provider Agreement, shall be changed to be as follows:

Section/Task Number	Section/Task Name	Compensation in the Basic Agreement	Adjustment(s) by Previous CO or STA Nos.	Adjustment(s) Due to this CO or STA	Summary of Changed Compensation
STA'S 1-24			80,261.70		80,261.70
STA #25			25,876.25		25,876.25
STA #26			6,867.00		6,867.00
STA #27			6,657.10		6,657.10
STA #28			14,027.00		14,027.00
STA #29			8,018.00		8,018.00
STA #30			49,975.00		49,975.00
STA #31			1,700.00		1,700.00
STA #32				155,830.00	155,830.00
TOTAL			193,382.05	155,830.00	349,212.05

CHANGE ORDER AGREEMENT No.

or  
 SUPPLEMENTAL TASK AUTHORIZATION No. 32

EXHIBIT "CO/STA-C"

Date: 9/21/04

TIME AND SCHEDULE OF PERFORMANCE

for MONITORING WELL REPLACEMENT PROJECT

(Enter Project Name from Page 1 of the  
 Change Order or Supplemental Task Authorization Agreement)

SECTION 1.00 CHANGES FOR THIS CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT

The time and schedule of completion for the various phases or tasks required to provide and perform the services, tasks, or work set forth in this CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", entitled "Scope of Professional Services" attached hereto is as follows:

Phase and/or Task Reference As Enumerated in EXHIBIT "A"	Name or Title of Phase and/or Task	Number of Calendar Days For Completion of Each Phase and/or Task	Cumulative Number of Calendar Days For Completion from Date of Notice to Proceed For this CO or STA
10	OTHER RELATED ENV. TASKS	300	300

CHANGE ORDER AGREEMENT No.  
or  
 SUPPLEMENTAL TASK AUTHORIZATION No. 32

EXHIBIT "CO/STA-C"

Date: 9/21/04

TIME AND SCHEDULE OF PERFORMANCE

for MONITORING WELL REPLACEMENT PROJECT

(Enter Project Name from Page 1 of the  
Change Order or Supplemental Task Authorization Agreement)

SECTION 2.00 SUMMARY OF THE IMPACT OF CHANGE(S) IN PROFESSIONAL SERVICES ON THE  
OVERALL PROJECT TIME AND SCHEDULE OF PERFORMANCE

Pursuant to and in consideration of the changes in the Scope of Professional Services in this CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", the time and schedule the COUNTY and the CONSULTANT, or SERVICE PROVIDER, has previously agreed to for all of the work to be done under this Professional Services Agreement, or Service Provider Agreement, shall be changed to be as follows:

Phase and/or Task Reference As Enumerated in EXHIBIT 'A' and EXHIBIT 'CO/ STA-A'	Name or Title of Phase and/or Task	Number of Calendar Days For Completion of Each Phase and/or Task	Cumulative Number Of Calendar Days For Completion From Date of Notice to Proceed
10	OTHER RELATED ENV TASKS	300	300

CHANGE ORDER AGREEMENT No.

SUPPLEMENTAL TASK AUTHORIZATION No. 32

EXHIBIT "CO/STA-D"

Date: 9/21/04

CONSULTANT'S, OR SERVICE PROVIDER'S, ASSOCIATED SUB-CONSULTANT(S) AND SUBCONTRACTOR(S)

for MONITORING WELL REPLACEMENT PROJECT

(Enter Project Name from Page 1 of the Change Order or Supplemental Task Authorization Agreement)

CONSULTANT, or SERVICE PROVIDER, intends to engage the following sub-consultant(s) and/or sub-contractor(s) to assist the CONSULTANT, or SERVICE PROVIDER, in providing and performing the services, tasks, or work required under this CHANGE ORDER, or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT.

(If none, enter the word "none" in the space below.)

Service and/or Work to be Provided or Performed	Name and Address of Individual or Firm	Disadvantaged, Minority or Women Business Enterprise, (If Yes, Indicate Type)			Sub-Consultant Services Are Exempted From Prime Consultant's Insurance Coverage	
		Yes	No	Type	Yes	No
	ALL FLORIDA WELL DRILLING 2250 HAVANA AVENUE FORT MYERS, FL 33905		X		X	



CHANGE ORDER AGREEMENT No.

or

SUPPLEMENTAL TASK AUTHORIZATION No. 32

EXHIBIT "CO/STA-E"

Date: 9/21/04

PROJECT GUIDELINES AND CRITERIA

for MONITORING WELL REPLACEMENT PROJECT

(Enter Project Name from Page 1 of the  
Change Order or Supplemental Task Authorization Agreement)

As a supplement, or change, to the Project Guidelines and Criteria set forth in the Professional Services Agreement, or Service Provider Agreement, Exhibit "E", the COUNTY has established the following Guidelines, Criteria, Goals, Objectives, Constraints, Schedule, Budget, and/or Requirements which shall serve as a guide to the CONSULTANT, or SERVICE PROVIDER, in performing the professional services, tasks, or work to be provided pursuant to the professional services set forth hereinbefore in CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto:

(If none, enter the word "None" in the space below.)

ITEM No. 1

NONE

CMO:029  
09/25/01

September 21, 2004  
Revised October 19, 2004

Mr. Rand Edelstein  
Hydrogeologist  
Lee County Department of Natural Resources  
1500 Monroe Street, First Floor  
Ft. Myers, FL 33901

Re: Monitoring Well Replacement Project

Dear Mr. Edelstein:

Pursuant to your request, we have prepared this turnkey cost proposal for the above-referenced project.

### *Project Understanding*

It is our understanding from the undated Technical Specifications (copy attached) that the project consists of the installation of 33 four-inch diameter monitoring wells, with 29 being water-table aquifer wells, and the remainder consisting of one Lower Tamiami aquifer well, one Sandstone aquifer well, and two Mid Hawthorn aquifer wells. Location of the wells is shown on the County's Figure 1.

We further understand that Lee County Department of Natural Resources (LCDNR) will be responsible for securing all necessary easements and/or access agreements for the installation of these wells.

### *Project Approach*

Prior to installing the wells, we will conduct a thorough review of our in-house database, as well as other available information, such as the County's well permitting database and the South Florida Water Management District (SFWMD) water use permitting database, to determine expected aquifer unit depths and thicknesses in the vicinity of the proposed wells. A well prognosis will be prepared prior to drilling each well, detailing the expected formation and aquifer tops and well installation sequence. A drilling permit application will be prepared and submitted to the LCDNR, or if required to the SFWMD, for each well. If it is determined that LCDNR will permit its own wells, it is assumed that LCDNR will waive the permit application fees. If it is determined that the SFWMD will be the authority responsible for issuing the drilling permits, the permit application fees will be provided by LCDNR.

An on-site Water Resource Solutions (WRS) geologist will collect and analyze the drill cuttings and supervise the construction of each of the new monitoring wells. Drill cuttings will be collected continuously and composite five-foot intervals will be bagged and retained.

The wells will be drilled by conventional mud rotary method.

The water-table and Sandstone aquifer monitoring wells will be installed as screened wells as detailed in the LCDNR request for proposals. The Lower Tamiami and Mid Hawthorn wells will be completed open hole below the final casing since these aquifer units are composed of hard limestone and use of screens would reduce the yields from those wells. Subsequent to installation, each well will be thoroughly developed to maximize yield and remove any drilling mud from the aquifer. Development will continue until the water produced from each well is free of any entrained sediment. Development will be by air lift method. In addition, the screen for the Sandstone aquifer monitoring well will be jetted to assure proper establishment of the filter pack material. The wells will be completed above grade with metal protective casings.

A completion report will be prepared detailing the lithology of each well, the construction details, and test details.

The estimated timeframe for installing the wells, considering there are no delays related to obtaining access, is nine months.

### *Cost Proposal*

All water-table aquifer wells drilled by mud rotary method; installation of screen and filter pack for Sandstone aquifer well, but not Lower Tamiami and Mid Hawthorn wells. No intermediate 8-inch diameter casing for any of the wells.

<b>Item</b>	<b><u>Amount</u></b>
1. Coordination, data review, preparation, and permitting	\$5,750.00
2. Well installations	
(a) 29 water-table aquifer screened monitoring wells	
(1) well contractor	59,915.00
(2) consulting	32,550.00
(b) one Lower Tamiami aquifer monitoring well	
(1) well contractor	4,265.00
(2) consulting	1,925.00
(c) one Sandstone aquifer screened monitoring well	
(1) well contractor	7,825.00
(2) consulting	2,875.00

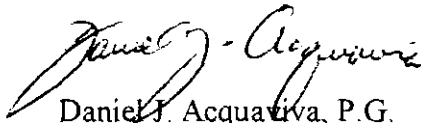
September 21, 2004  
Mr. Rand Edelstein  
Page 3

(d) two Mid Hawthorn aquifer monitoring wells	
(1) well contractor	27,300.00
(2) consulting	7,450.00
3. Final report	<u>5,975.00</u>
<b>Total:</b>	<b>\$155,830.00</b>

*Acceptance*

Water Resource Solutions is pleased to be of continuing service to Lee County Department of Natural Resources. Do not hesitate to call should you have any questions or comments regarding any aspect of this matter. Should this proposal be acceptable, we will proceed to prepare and submit a Supplementary Task Authorization (STA) under our Miscellaneous Engineering Services contract with Lee County.

Sincerely,



Daniel J. Acquaviva, P.G.  
Senior Project Manager/Principal  
Licensed Professional Geologist # 1066

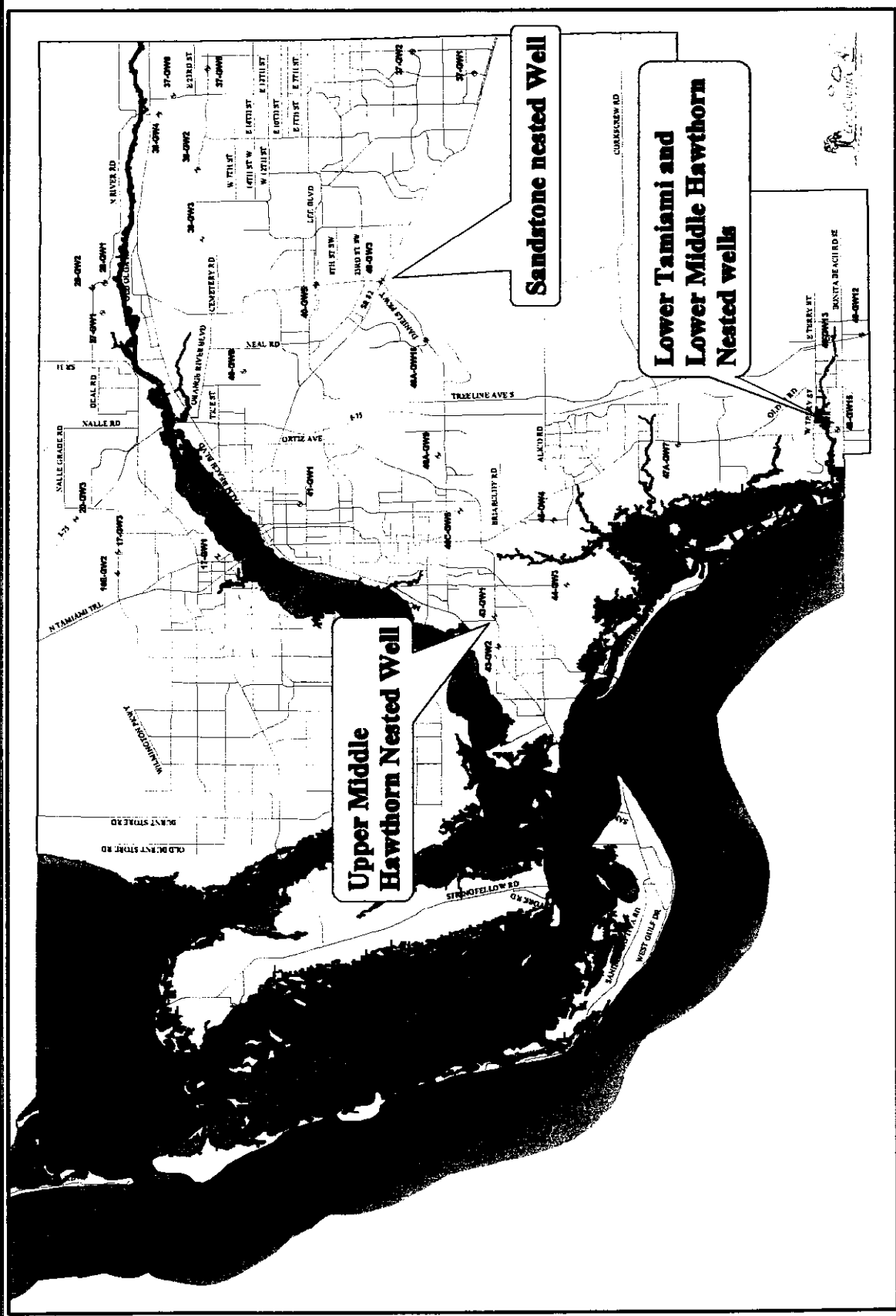


FIGURE 8.1  
October 2002

Source: LEPRI Data & Maps CD  
Created in ArcGIS 8 using ArcMap  
By: Scott Summers

**Figure 1**  
**Monitoring Wells Selected for Stage 1 Replacement**

**Legend**

- Wells
- Major Roads
- Land
- Sea

Table 3. Lee County Groundwater Monitoring Well Network Wells Selected for Replacement during First Stage				
Well ID #	Watershed Name	Location	Latitude	Longitude
16E-GW2	Yellow Fever Creek-East	FPL easement north of intersection US 41 & Del Prado extension, 20 ft. north of easement across from power pole with #5 painted on it.	26° 43.59'	81° 53.44'
17-GW1	Powell Creek	50 feet north of Brooks Drive, 200 feet west of Lavin Lane	26° 40.25'	81° 52.79'
17-GW3	Powell Creek	Well is 150 ft East of intersection of Barbie Lane and Del Prado Ext.		
20-GW3	Daughtrey Creek	Cul-De-Sac south end of Huber Rd	26° 44.95'	81° 51.42'
28-GW2	Otter Creek	Northwest corner intersection SR 78 & Argo Dr.	26° 44.45'	81° 42.95'
37-GW2	Bedman Creek	Northwest corner intersection Milwaukee Blvd. & Columbus Blvd.	26° 33.74'	81° 34.37'
37-GW5	Bedman Creek	Southwest corner intersection 21 St & Grant Ave.	26° 40.59'	81° 35.02'
37-GW6	Bedman Creek	At power pole west side of Edwards Dr 0.3 mi south of Tuckahoe Rd.	26° 41.65'	81° 35.93'
38-GW2	Hickey Creek	2.8 mi west of Joel Blvd south east intersection Greenbriar Blvd & Rolling Dr.	26° 40.93'	81° 38.65'
38-GW3	Hickey Creek	Northwest corner intersection 68th St west & Ruth	26° 40.80'	81° 41.18'
38-GW4	Hickey Creek	0.3 miles south of SR 80 250' east of, Packinghouse Rd on FPL easement.	26° 42.19'	81° 36.60'
40-GW5	Orange River	Northeast corner intersection of Gunnery Rd & Lee.	26° 37.03'	81° 42.85'
40-GW8	Orange River	North of Lockett Rd east side of FPL easement .5 miles east of Staley Rd.	26° 39.41'	81° 46.04'
43-GW1	Deep Lagoon	200'E of A&W Bulb Rd north turnaround on west side of Gladiolus Dr.	26° 31.22'	81° 55.09'
43-GW2	Deep Lagoon	North east corner Int Pine Ridge Rd & Gladiolus Dr.	26° 31.11'	81° 56.14'
45-GW4	Hendry Creek	West side of Island Park Blvd at FPL	26° 29.29'	81° 51.53'
46A-GW9	Six Mile Cypress	At power pole at bend mi north of Daniels Pkwy on Shire Ln		
46C-GW5	Ten Mile Canal	East side of Metro Pkwy-south of Gulf Hosp.	26° 32.11'	81° 51.04'
47A-GW7	Esterio River	U.S 41 and Willams Rd. 200 ft. West of 41 on Willams Rd.		
Total =	29			
Yellow - Replacement well to be moved to location in close proximity				