

SPECIAL PUBLICATION SJ2006-SP16

**MINIMUM FLOWS AND LEVELS CANDIDATE
SITE SELECTION AND PRIORITIZATION
PROCESSES FOR EAST-CENTRAL FLORIDA**



Minimum Flows and Levels Candidate Site Selection and Prioritization Processes for East-Central Florida

PREPARED FOR

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INTRODUCTION

BACKGROUND

The St. Johns River Water Management District (SJRWMD) is engaged in a districtwide effort to develop minimum flows and levels (MFLs) to protect priority surface water bodies including lakes, streams, wetlands, and springs from significant harm caused by water withdrawals. MFLs provide an effective tool to assist in making sound water management decisions that prevent significant adverse impacts or harm to the water resources or the regional ecology. The basis for establishing and implementing MFLs is provided in the Florida Water Resources Act (Chapter 373, *Florida Statutes* [F.S.]), the State Comprehensive Plan (Section 187.201(8)(b), F.S.), the Water Resources Implementation Rule (Chapter 62-40, *Florida Administrative Code* [F.A.C.], and the Minimum Flows and Levels Administrative Rule (Chapter 40C-8, F.A.C.). These documents explicitly include provisions for the establishment of MFLs, the protection of nonconsumptive uses, and the conservation of natural systems. MFLs are adopted by rule by SJRWMD's Governing Board and implemented through its Water Supply Planning, Consumptive Use Permitting, and Environmental Resource Permitting programs.

Florida's water management districts (WMDs) are each mandated to annually develop an MFLs Priority Water Body List and Schedule. These documents identify water bodies for which MFLs are scheduled to be adopted by rule and those that will receive voluntary scientific peer review during a three- to five-year planning horizon (Section 373.042(2), F.S.).

SJRWMD's MFLs prioritization process has evolved since the mid 1980s. The prioritization process between 1985 and 1993 was designed to meet legislative mandates (i.e., 373.415(3), F.S., Wekiva River Basin water courses and aquifer) or to address lakes that had experienced any of the following:

- Consistently low water levels

- Citizen complaint regarding low water level
- Large quantity of withdrawal and/or number of consumptive use permits from a surface water body
- Availability of surface and ground water hydrologic models

This prioritization approach was superseded in Fiscal Year 1995 as the result of a settlement agreement in the case of *Concerned Citizens of Putnam County for Responsive Government, Inc., and Citizens for Water, Inc. vs. SJRWMD* (Circuit Court Case No. 91-6617-CA). This settlement agreement resulted in the prioritization of a list of lakes and springs identified in the agreement.

The 1997 Florida Legislature formalized the statewide MFLs prioritization process and identified the following prioritization criteria to determine whether an aquatic resource should be included on the MFLs Priority Water Body List and Schedule (Section 373.042(2), F.S.).

- Importance of waters to the state or region
- Existence of or potential for significant harm to the water resources or ecology of the state or region
- Area is currently experiencing or is expected to experience adverse impacts as a result of surface or ground water withdrawals

The 2002 Florida Legislature adopted legislation requiring WMDs to prioritize all first and second magnitude springs by January 1, 2003 (Subsection (2) of Section 373.042, FS). This requirement resulted in the addition of several springs to the MFLs Priority List and Schedule.

MFLs have served as important constraints in SJRWMD's water supply planning process. Based on the application of constraints and ground water modeling results, SJRWMD's water supply assessments have identified priority water resource caution areas where unacceptable impacts to water resources and related natural systems are expected to occur if projected water uses are implemented through the 20-year planning horizons. SJRWMD desires to focus appropriate attention in the MFLs site selection and

prioritization process on identified priority water resource caution areas, because they represent areas addressed by the statutory criteria for including water bodies on the MFLs Priority Water Body List and Schedule.

PROJECT PURPOSE AND APPROACH

SJRWMD desires to develop an MFL priority water body list for the east-central Florida area and to expedite development and implementation of MFLs in the area, because that area is rapidly approaching its limit of sustainable groundwater availability. The East-Central Florida Site Selection and Prioritization Project, which is the subject of this document, has been prepared to fulfill this desire. The East-Central Florida MFL Site Selection and Prioritization Project was performed by a work group consisting of the following SJRWMD staff and consultants:

- Ron Wycoff, P.E., Water Supply Solutions – project manager
- Barbara Vergara, P.G.
- Bob Epting, Ph.D.
- Sonny Hall, Ph.D.
- Price Robison, P.E.
- Bill Osburn, P.G.
- Patrick Burger, P.E.
- Bill Dunn, Ph.D., CH2M HILL

PURPOSE

Following is the project purpose as developed by the work group.

Identification of water bodies needed to provide an efficient and adequate MFL monitoring network within east-central Florida. The selected water bodies will be incorporated into the SJRWMD MFL priority list and schedule.

APPROACH

Based on the prioritization criteria provided in Section 373.042, F.S., SJRWMD staff has found that within priority water resource caution areas (PWRCA), as described in SJRWMD's regional water supply plans, a large number of water bodies can potentially be considered for inclusion on the MFLs priority water body list and schedule. The ECF area is currently identified as a PWRCA. For purposes of this project the work group defined ECF as those portions of Orange, Lake, Seminole, and Osceola counties within the boundaries of the East-Central Florida Regional Groundwater Flow Model. SJRWMD's experience indicates that the large set of potential MFLs sites in an area like ECF can be prioritized by one of the following three methods:

- Select all water bodies in an area
- Ad hoc response to stakeholders
- Structured decision process

Each of these methods has advantages and disadvantages (Exhibit 1). The work group quickly determined that a technically defensible, structured decision approach would be most consistent with the project purpose, because it will identify that subset of sensitive water bodies that are both reasonably representative of the water bodies in the area, and that can reasonably be used for MFL purposes.

Exhibit 1. Summary of Network Design Approaches for MFL Site Selection in East-central Florida

Approach	Advantages	Disadvantages
1) Select all water bodies	Site selection process is simple and straight forward; little up front analysis required	<ul style="list-style-type: none"> – Approach is very costly, very time consuming, and thus is an inefficient use of resources – Process will be difficult to manage and implement – Does not specifically identify regionally representative water bodies – Does not specifically prioritize sensitive water bodies
2) Ad hoc Response to Stakeholders	Site selection process is simple and straight forward; little up front analysis required	<ul style="list-style-type: none"> – Approach is reactive to demands of stakeholder groups – Does not follow a technically defensible, structured decision process – Process will be difficult to manage and implement – Does not specifically identify regionally representative water bodies – Does not specifically prioritize sensitive water bodies
3) Structured Decision Process	<ul style="list-style-type: none"> – Follows a technically defensible, structured decision process – Screening and ranking criteria developed by expert panel – Identifies a subset of water bodies that meet the needs of the MFL program – Limits the number of sites – Allows flexibility to deal with changes in future hydrologic conditions – Provides an efficient use of resources – Prioritizes sites for implementation 	<ul style="list-style-type: none"> – Requires time upfront to set objectives, develop technical criteria, summarize characteristics of water bodies

A structured decision process was used to develop a ranking system to screen, rank, and compare potential MFL lakes and wetlands, hereinafter referred to as sites, based on measurable criteria. In this effort the population of potential MFL sites were compared and ranked using screening and evaluation criteria developed by the work group. The decision analysis uses a method called multiattribute utility analysis (MUA). MUA, as applied to

this project, proceeded through a series of defined steps, as follows:

- Identify and specify goals and objectives
- Develop evaluation criteria and performance measures to assess project performance of each site against the criterion
- Assign weights to the evaluative criteria to reflect the work group's assessment of relative importance
- Apply the decision system to yield a ranked list of sites

The site selection decision process and the results of applying the process are discussed in the following sections.

The work group met at SJRWMD headquarters for workshops on five occasions: March 13, April 11, May 10, June 16, and July 6, 2006. Site verification visits to top ranked sites took place on July 13 and 14, 2006. Project briefings were provided for Hal Wilkening and Al Canepa on August 14, 2006, and for Kirby Green on August 29, 2006.

MFL CANDIDATE SITE SELECTION PROCESS

An MFL site selection process was developed by the work group (Exhibit 2). The process can be divided into two major phases and 10 steps or outputs as follows:

PHASE I – IDENTIFICATION, ATTRIBUTION, AND SCREENING

1. Identify total population of potential candidate sites
2. Identify desired site attributes
3. Identify attributable population of potential candidate sites
4. Identify minimum site attributes (screening criteria)
5. Apply screening criteria to attributable candidate sites
6. Produce candidate site short list

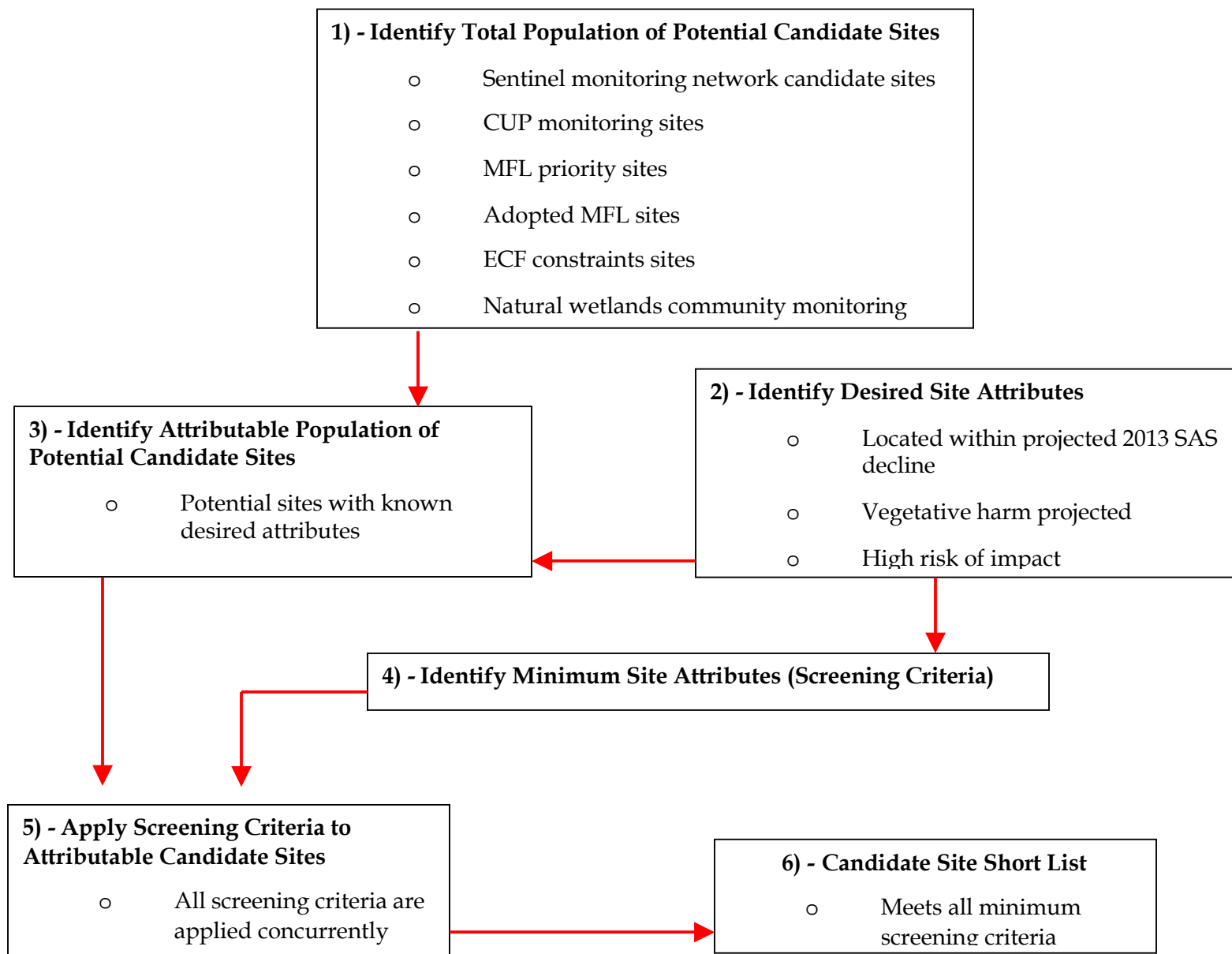
PHASE II – RATING, RANKING, AND SELECTION

7. Develop multi-attribute methodology for ranking short listed candidate sites
8. Apply multi-attribute methodology to short listed candidate sites
9. Develop final candidate site ranking
10. Perform site verification and final MFL site selection

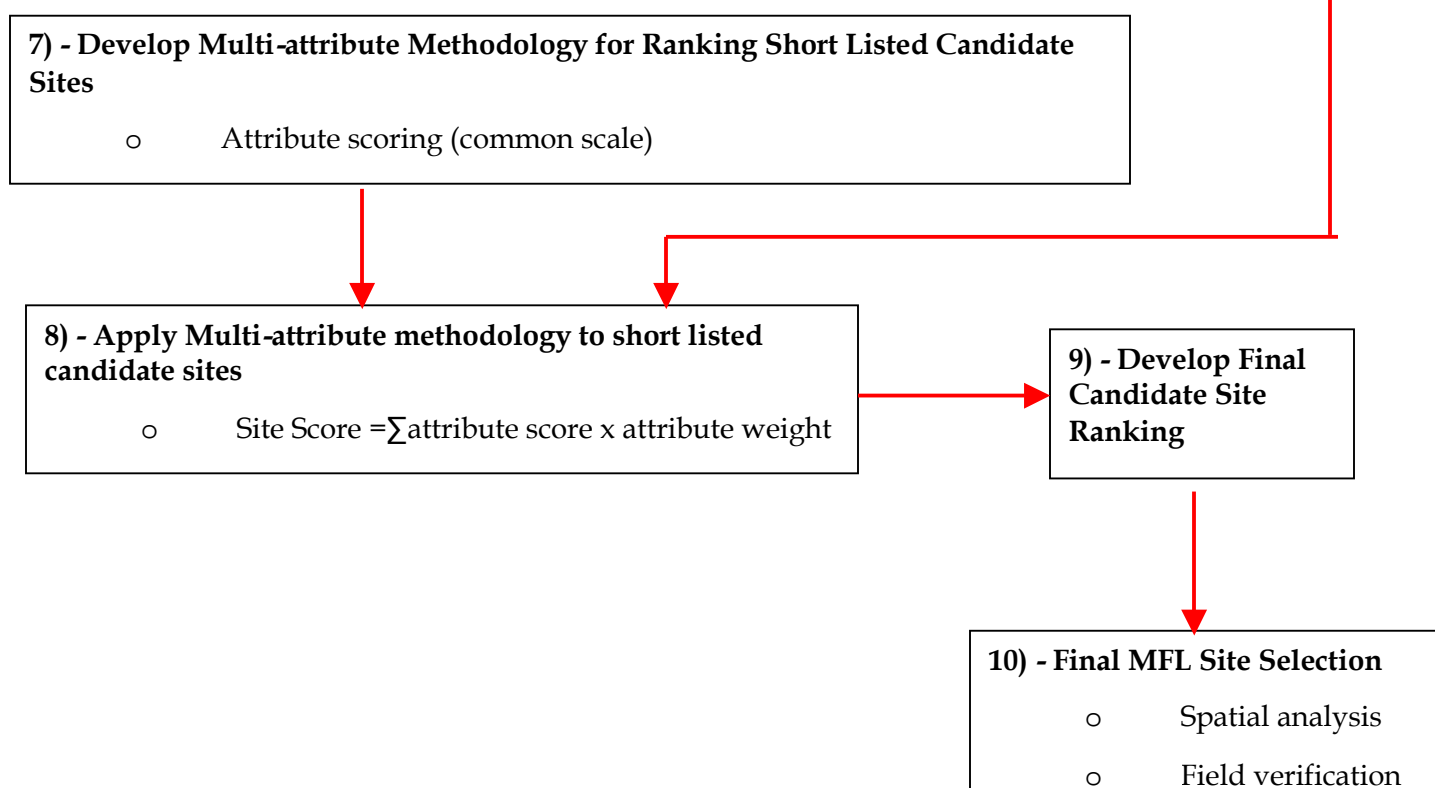
The work group moved through the two-phased selection process from March through August 2006, meeting five times during this time period. Between workshops some members of the work group were assigned specific tasks.

Exhibit 2. MFL Site Selection. ECF Lakes and Wetlands Process Overview

Phase I – Identification, Attribution and Screening



Phase II – Rating, Ranking and Selection



RESULTS AND DISCUSSION

PHASE 1--IDENTIFICATION, ATTRIBUTION, AND SCREENING

STEP 1--IDENTIFY TOTAL POPULATION OF POTENTIAL CANDIDATE SITES

The work group developed an inventory of sources to be reviewed for possible inclusion in the population of potential candidate MFL sites. The inventory included the following sources:

- Sentinel monitoring network candidate sites
- CUP monitoring sites
- MFL priority sites
- Adopted MFL sites
- ECF constraints sites
- Natural wetlands community monitoring sites
- ERP monitoring sites
- USGS monitoring sites
- County monitoring sites

Bob Epting, SJRWMD staff member, led the effort to review the data sources and compile a spreadsheet. Once compiled the population of potential candidate sites included over 400 lake and wetland sites in ECF scattered across Lake, Orange, Seminole, and Osceola counties. The majority of sites in the inventory are from the sentinel monitoring network (Appendix A) and the CUP monitoring sites (Appendix B).

STEP 2— IDENTIFY DESIRED MFL SITE ATTRIBUTES

Over the course of discussions in several workshops the work group developed five major MFL site attributes (Exhibit 3) to be considered in the site selection process as follows:

- Located within areas with projected 2013 surficial aquifer decline
- Located within areas projected to experience harm to wetlands or lakes
- Located in a landscape position with a high risk of impact
- Acceptable site characteristics
- Available hydrologic data

Exhibit 3. Desired Attributes for ECF MFL Site Selection

- 1) **Located within areas with projected 2013 surficial aquifer system (SAS) decline**
 - a. Best > 1.2 ft. SAS drawdown
 - b. Acceptable -- 0.35 to 1.2 ft. SAS drawdown
- 2) **Vegetation Harm to lakes or wetlands (Kinser, et. al., 2005)**
 - a. Best - High or medium likelihood of vegetative harm to lakes and wetlands
 - b. Acceptable - Low likelihood of vegetative harm
- 3) **High risk of impact**
 - a. Best - Isolated hydrologic system located along a major landscape ridge
 - b. Acceptable - Other isolated or closed basins
- 4) **Acceptable site characteristics (from ECF database)**
 - a. Access
 - i. Best - E - Excellent – open to public
 - ii. Good - Es - Public easement
 - iii. Acceptable - P - Possible easement
 - b. Site Quality
 - i. Best - E - Excellent
 - ii. Good - VG - Very good
 - iii. Acceptable - G or O - Good or OK
- 5) **Available hydrologic data (continuous record)**
 - a. Duration
 - i. Best > 10 years
 - ii. Good 5 to 10 years
 - iii. Acceptable >2 and <5
 - b. Frequency
 - i. Best - daily
 - ii. Good - weekly
 - iii. Acceptable - monthly
 - c. Quality
 - i. Best - surveyed elevation datum, with data entered into quality assured electronic database, using SJRWMD or USGS protocol
 - ii. Acceptable - surveyed elevation datum with quality assurance review

The first three attributes relate to the sensitivity of the candidate lake or wetland site to potential impacts from groundwater withdrawal. A major objective of this project is to identify sites likely to be impacted by Floridan aquifer water level declines such that if the MFLs are met, there should be a reasonable expectation that regional water resources, not just the sites themselves, are protected from significant harm.

The final two attributes deal with the practical issues related to development of MFLs. Sites must be accessible for monitoring and some existing or background water level data must exist.

Exhibit 4 provides a description of desirable site attributes and lists a range of conditions from acceptable to the best condition for each of the five key attributes. Appendix C contains more detailed discussion as to how each of the attributes and their characteristics were developed.

STEP 3 – IDENTIFY ATTRIBUTABLE POPULATION OF CANDIDATE SITES

Where possible values were assigned for each of the five attributes (Exhibit 4) for the total population of potential candidate lake and wetland sites. Adequate background information was lacking for some sites, so not all attributes could be assigned values. Three hundred and seventy two (372) of the sites in the inventory could be fully attributed; these sites were then screened in Step 4.

STEP 4 – IDENTIFY MINIMUM MFL SITE ATTRIBUTES (SCREENING CRITERIA)

Minimum acceptable site attributes (Exhibit 5) were developed by the work group based on the desired site attributes and provide the minimum acceptable conditions for each criterion to be used for candidate site screening.

STEPS 5 & 6 – APPLY SCREENING CRITERIA TO GENERATE SHORT LIST OF CANDIDATE MFL SITES

Application of the screening criteria eliminated a large number of the 372 attributed sites yielding a list of 125 sites that could be scored and ranked for the evaluative criteria.

Exhibit 4. Minimum Attributes (Screening Criteria) For ECF MFL Site Selection

To be considered as a candidate MFL site all of the following minimum criteria must be met.

- 1) Located within areas with projected 2015 surficial aquifer system (SAS) decline**
 - a. SAS 1995 to 2015 drawdown increase must be 0.35 ft. or greater
- 2) Vegetation Harm to lakes or wetlands (Kinser, et. al., 2005)**
 - a. No screening criteria
- 3) High risk of impact**
 - a. No screening criteria
- 4) Acceptable site characteristics (from ECF database)**
 - a. ECF database access rating must be P or better and site quality rating must be O or better
- 5) Available hydrologic (water level) data (continuous record)**
 - a. Must have at least 2 years of monthly or more frequent water level data
 - b. Level measurements must be referenced to a surveyed datum

Exhibit 5. Desired Attributes Scoring for ECF MFL Site Selection

Attribute	Metric	Attribute Score	
1) Located within areas with projected 2013 surficial aquifer system (SAS) decline	> 1.2 ft. SAS drawdown	10	
	0.35 to 1.2 ft. SAS drawdown	5	
2) Vegetative/lake harm	medium or high lake <u>and</u> wetland harm	10	
	medium or high lake <u>or</u> wetland harm	5	
	Low likelihood of harm	0	
3) High risk of impact	<u>Isolated/flow-through</u>		Total attribute score is equal to the sum of the Isolated/flow through and Elevation Scores
	Isolated	5	
	flow through	0	
	<u>Elevation</u>		
	Ridge	5	
	Intermediate	3	
	Low	1	
4) Acceptable site characteristics	<u>Access</u>		Total attribute score is equal to the sum of the Access and Site Quality Scores
	open to public	5	
	public easement	4	
	possible easement	1	
	<u>Site Quality</u>		
	Excellent	5	
	Very good	3	
	Good or OK	1	
5) Available hydrologic data	<u>Duration*</u>		Total attribute score is equal to the sum of the Duration, Frequency and Quality Scores
	> 10 years	5	
	5 to 10 years	3	
	> 2 and < 5 years	1	
	<u>Frequency*</u>		
	daily	3	
	weekly	2	
	monthly	1	
	<u>Quality*</u>		
	Best	2	
	Acceptable	1	

* Due to limited available information the data frequency and data quality attributes were not considered in the final candidate site scoring.

PHASE 2—SCORING RANKING AND SELECTION

STEP 7—DEVELOP MULTI-ATTRIBUTE APPROACH FOR SCORING AND RANKING CANDIDATE SITES

A key step in multiattribute utility analysis is for an expert panel to assign relative weights to the attributes used for scoring and ranking. In this case the expert panel was the work group. In a workshop six members of the workgroup assigned weights to each criterion to reflect its relative importance on a scale of 0 to 100. Each individual assigned weights, and then the initial results were discussed. A subsequent round of weighting allowed for changes to be made. Exhibit 6 provides the results of the second and final round of attribute weighting. Based on the assigned weights the most important criterion was Hydrologic Data with an importance score of 92.5, while the remaining four criteria received weights between 65 and 82.

Exhibit 6. MFL Site Selection. ECF Attribute Weighting for Multi-attribute Analysis

Weighting Participant	Attribute Weights (100 = highest importance)				
	SAS Decline	Vegetation/ Lake Harm	Impact Risk	Site Characteristics	Hydrologic Data
Ron Wycoff	40	80	40	50	100
Barbara Vergara	40	100	40	80	100
Bob Epting	80	70	100	90	85
Bill Dunn	80	100	80	70	70
Price Robison	70	50	80	100	100
Sonny Hall	80	80	80	100	100
Average	65.0	80.0	70.0	81.7	92.5
Final Weight (0 to 1 scale)	0.650	0.800	0.700	0.817	0.925

Site Score = \sum attribute score x relative weight

STEP 8—APPLY EVALUATION CRITERIA

Criteria scores were assigned to each of the 125 lake or wetland sites in the candidate list. Scoring was done by Bob Epting and criteria weights (Exhibit 5) were applied to the raw scores in the spreadsheet (Appendix D). Results of the scoring and ranking are best viewed graphically; stacked bar charts provide a good visual summary of the overall score for each site and the component scores for the

individual criteria (Exhibits 7, 8, and 9). This review revealed that there was little difference between the overall site ranking for the weighted versus unweighted attribute scores (Exhibits 8 and 9). This outcome is due to the fact that highest scoring sites (i.e., score above 20 for the unweighted, above 15 for the weighted) generally had high individual attribute scores for all 5 attributes.

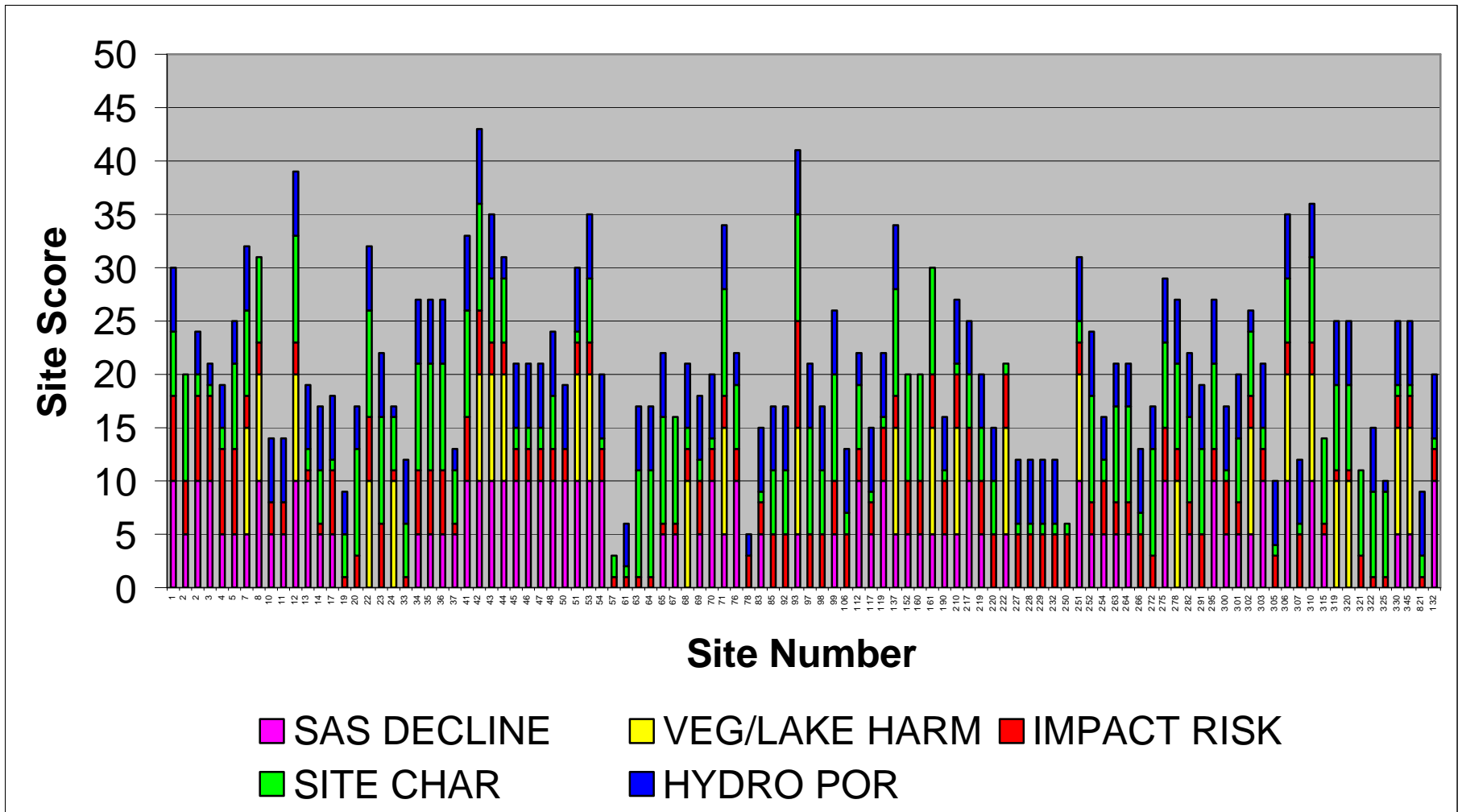


Exhibit 7. ECF Lakes and Wetlands MFL Site Selection: Unweighted Scores

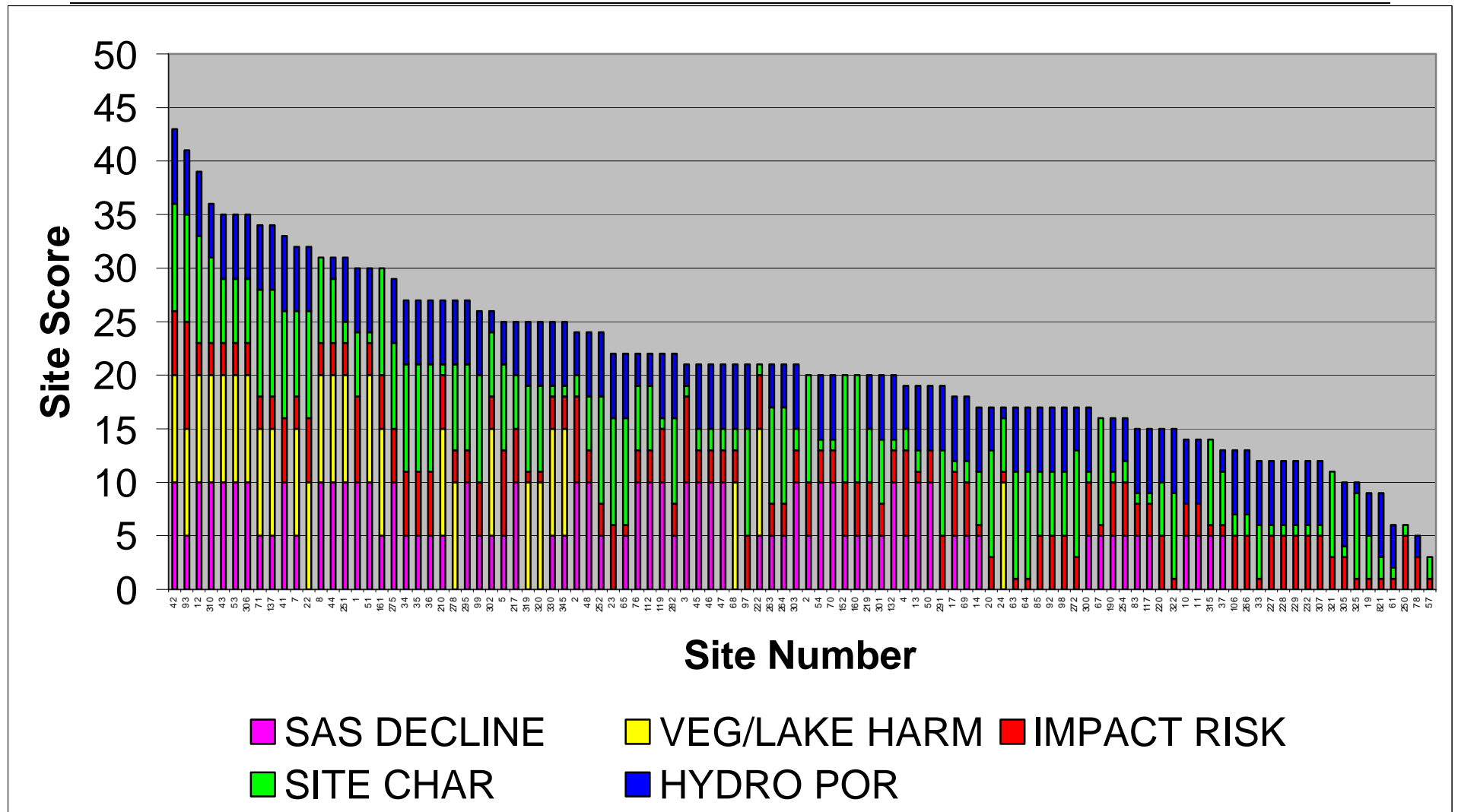


Exhibit 8. ECF Lakes and Wetlands MFL Site Selection: Ranking by Unweighted Scores

Minimum Flows and Levels Candidate Site Selection and Prioritization Processes

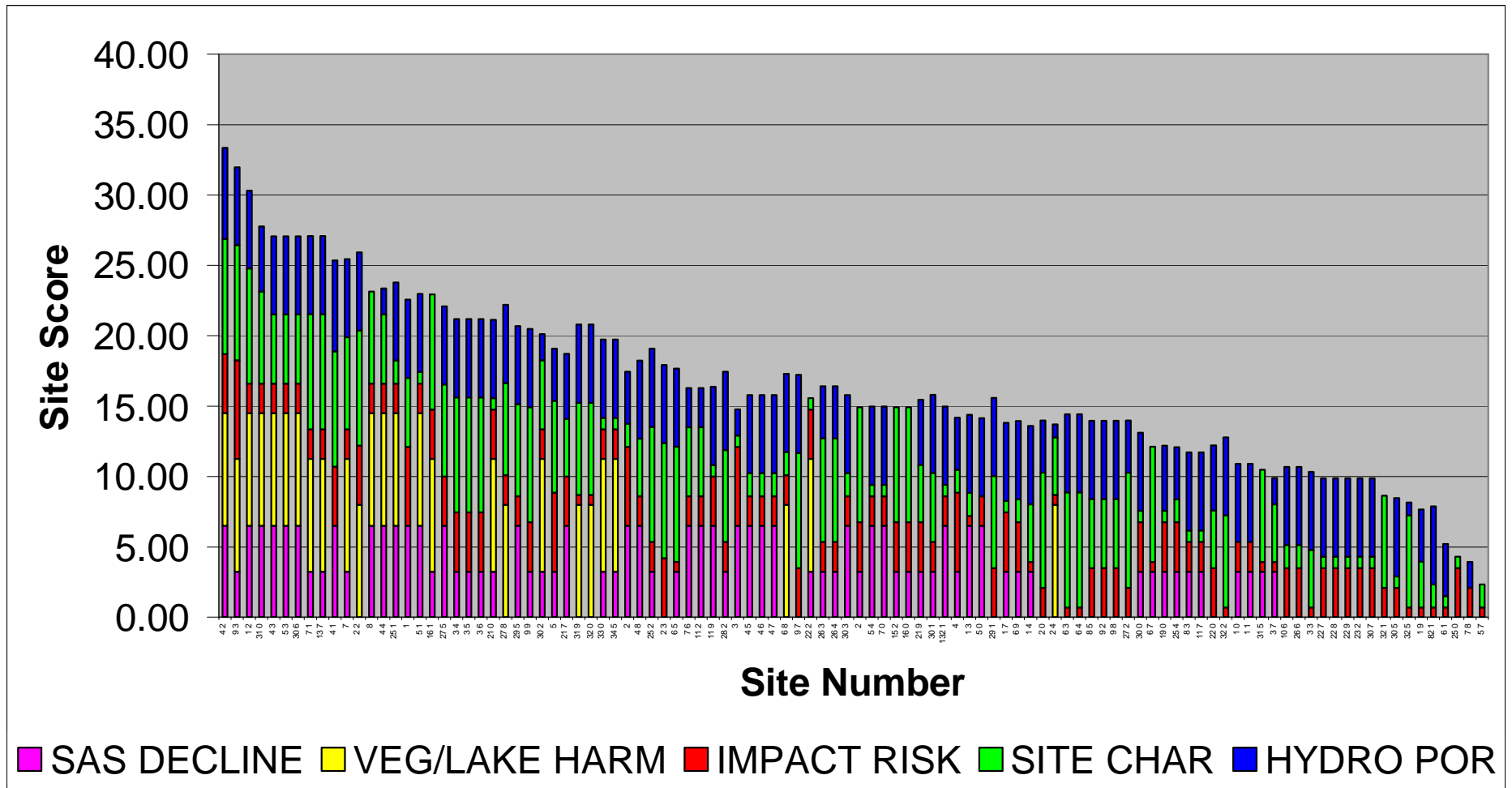


Exhibit 9. ECF Lakes and Wetlands MFL Site Selection: Site Ranking with Weighted Criteria Scores

The weighted rank scores were reviewed and discussed by the work group in a workshop on July 6, 2006. This review revealed that there was little difference between the overall site ranking for the weighted versus unweighted attribute scores (Exhibits 8 and 9). This outcome is due to the fact that highest scoring sites (i.e., score above 20 for the unweighted, above 15 for the weighted) generally had high individual attribute scores for all 5 attributes.

STEP 9—DEVELOP FINAL CANDIDATE SITE RANKING

The work group evaluated the spatial distribution of these approximately 60 highest ranked sites by marking each one on a map showing the location of all 125 sites. The mapping effort showed that sites were grouped in several subregions as follows:

- Northern Seminole County (19 sites)
- Southern Seminole County (23 sites)
- Western Orange County (17 sites)
- Johns Lake area (3 sites)
- Leesburg area (2 sites)

For each of these clusters we identified at least two of the highest scoring sites as the priority sites that would be visited to confirm selection. The priority lakes are as follows:

- Northern Seminole County – Lake Hodge (12) and Island Lake (53)
- Southern Seminole County – Sylvan Lake (34) and Crystal Lake (42)
- Western Orange County – Mt Plymouth Lake (137), Lake Prevatt (71), Long Lake (275), Lake Hiawassee (310), and Lake Bessie (93)
- Johns Lake area – Lake Avalon and Johns Lake
- Leesburg area--Lake Saunders (330) and Lake Dyches (345).

The work group agreed that as a follow up the 13 priority lakes should be visited and evaluated by some work group members and other knowledgeable SJRWMD staff, and based on that evaluation either the site would remain on

the list of recommended sites or would be dropped if it was found to be wanting in some aspect. The work group further agreed that if a site were dropped from the list of recommended sites, then other highly ranked sites in the same subregion would be evaluated until an acceptable replacement site was identified.

STEP 10 – FIELD VERIFICATION AND FINAL SITE SELECTION

Field inspection of the selected sites in each subregion along with a number of other highly ranked sites took place on July 13 and 14, 2006. The site inspection team included: Bill Dunn, Bob Epting, Bob Fewster, Marc Minno, and Travis Richardson. The objective of the inspections was to verify the high scores and rank of each site, assuring that the site characteristics were accurately captured in the site database and that assigned criterion scores were correct.

The consensus of the field inspection team is that the selected sites are good candidate sites for setting MFLs in ECF. The team recommended only one change to the list – the substitution of Crooked Lake for Long Lake in the western Orange County subregion. The recommended list of MFL sites includes at least two sites for each subregion along with a supplemental list of other highly ranked sites that could be substituted as needed should one of the recommended sites prove to be infeasible to implement.

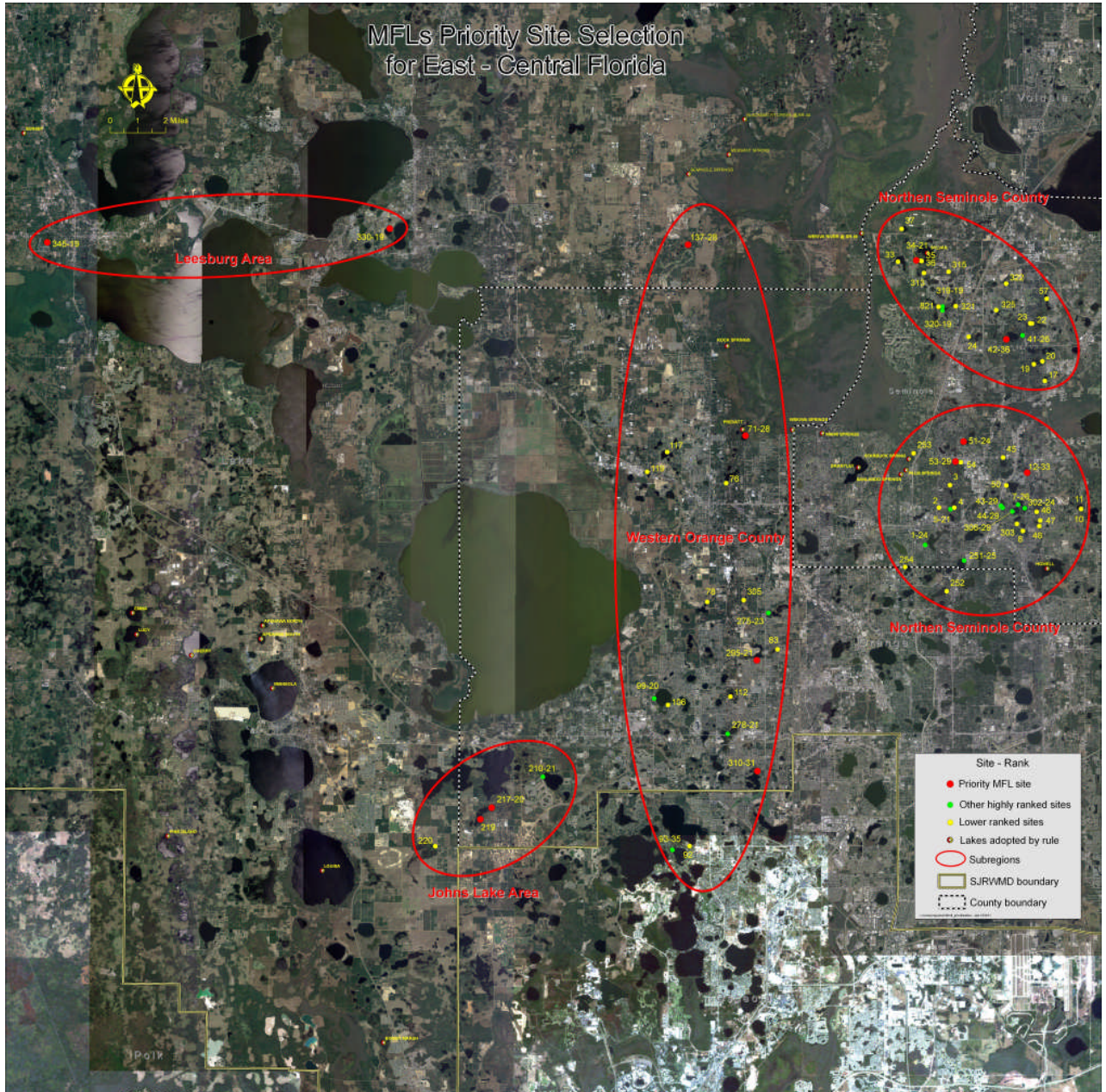
RECOMMENDED MFLS PRIORITY WATER BODY LIST FOR EAST-CENTRAL FLORIDA

Over the course of 5 months from March through August 2006 the MFL Site Selection Work Group developed and applied a structured decision process for selection of a subset of sensitive lake and wetland sites in ECF that can serve as the region's priority MFL water bodies.

The work group recommends a list of 13 lakes as the priority MFL water bodies for ECF. The 13 sites are arrayed across five subregions within ECF (Exhibit 10). The recommended list, which includes other highly ranked sites within several of the subregions, is as follows:

- Northern Seminole County
 - Recommended: Crystal Lake, Sylvan Lake
 - Other high scoring lakes: Bingham, Mary, Liberty, Emma, Dawson, Marietta, Pearl, and Markham
- Southern Seminole County
 - Recommended: Lake Hodge, Island Lake, and Lake Searcy
 - Other high scoring lakes: Crystal Bowl, Seminary, Sybelia, and Adelaide
- Western Orange County
 - Recommended: Mount Plymouth Lake, Lake Prevatt, Lake Hiawasse, and Crooked Lake
 - Other high scoring lakes: Sherwood, Bessie, McKoy, Trout, Long, Horseshoe, Lucy, Alpharetta, and Anne
- Johns Lake area
 - Recommended: Lake Avalon and Johns Lake
 - Other high scoring lakes: Ingram, Flat, and Black
- Leesburg area
 - Recommended: Lake Dyches and Lake Saunders

Exhibit 10. Location of Priority MFL Sites and other highly ranked candidate MFL sites in East-central Florida



REFERENCES

Kinser, P., Minno, M., and Brown, S., Dennizman, J.
Estimating the likelihood of harm to lakes from
groundwater withdrawals in the St. Johns River Water
Management District for the year 2025. St. Johns River
Water Management District. Professional Paper SJ2006 PP1.
Palatka, Fla.

Appendix A
Inventory of Potential Candidate MFL Sites

Appendix A

ECF ADAPTIVE MANAGEMENT DATABASE KEY TO COLUMNS

NOTE: All cells should contain information unless otherwise noted here

Column	Name	Key to Descriptors, Comments
A	Priority Area	Name or acronym of priority area - ECF is the only area currently investigated
B	Site No.	All sites are numbered - there should be no empty cells
C	Site Name	Lake or marsh or other name identifier.
D	Latitude	NA - not collected
E	Longitude	NA - not collected
F	Date Visted	Empty cell indicates that the site was not visited - should be associated with No in photos column
G	Location notes	Collected during site visit
H	Site Conditions	Information provided by site visit
I	Access	E -- Excellent - Open to the public - no restrictions Es -- Public easement present (Pers. Comm Lorne Malo) but not "open to public" P -- Possible Easement (based on site visit) N -- No Public Access (based on site visit)
J	Site Quality	Rated through site visit and if site is used for CUP monitoring E-- Excellent V -- Very good G - Good O -- OK M -- Marginal N -- Not Good CUP - In use as a CUP site - see Column CUP for Permit No. and Permittee
K	Site Rating	Two letters, referring to Access and Site Quality information, in that order. Information is drawn from Columns G and H. Exception is CUP entry
L	Habitat	L - lake; P - Pond; M-Marsh; S-Swamp; U - Upland
M	Hydrology	Isolated Closed Basin (indicates multiple linked lakes) Outflow present Flow Through (inflow and outflow)
N	Drawdown Coutour	Yes / No
O	In CONSERV	Yes / No / Nearby Nearby indicates that it is very near the border of CONSERV
P	WMD	SJR or SF - Indicates in which Water Management District the Lake Resides
Q	CUP	Yes/ No, CUP Permit No. Indicates that the site is a monitoring site for CUP Permit Compliance
R	Photos	Yes / No, Comments. Should list the number of photos and may provide other information

Appendix A

Bay swamp at Red Bug Lake	1
Boardwalk at Red Bug Lake	1
Boat Ramp @ Lake Baldwin	1
Canal Inflow to Queens Mirror	1
Crooked Lake	4
Lake Baldwin	2
Lake Berry	1
Lake Florence	5
Lake Herrick	4
Lake Jeanie	1
Lake Jeanie Stormwater Pond	1
Lake Johio	2
Lake Julia	3
Lake Lucy	6
Lake Mizell	5
Lake North of Lake Hiawasee	8
Lake Virginia	2
Long Lake	13
Lost Lake	3
Mead Gardens	4
Metro West	5
Middle Triplet	2
North end of last headwater for Triplet	2
North Triplet	2
Park at Lake Baldwin	1
Pass between middle and North Triplet	1
Queens Mirror	2
Red Bug Lake	6
Red Bug Lake	
Sherwood	12
Sherwood	
Spring Lake	6
Turkey Lake	2
Weir Outflow of North of West Headwater Wetland for Triplet	2
West Headwater Wetland for Triplet	10
Winter Garden Area - OUC Site 6478 Wetland AM sites off Daniels Rd.	1

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Priority Area	Site No.	Site Name	Latitude	Longitude	Date Visited	Location Notes	Site Conditions	Access	Site Quality	Sentinel Site Rating	Habitat	Hydrologic Condition	MFL Site Rating	Location within Drawdown Contour?	Within CONSERV?	Sentinel Site Ranking	MFL Site Ranking	WMD	CUP Site	Photos
ECF	1	Lake Orienta at Lake Orienta Park	N 28 39.118	W 81 22.867	4-Jun-02	In park at edge of lake, Altamonte Springs.	Small public park on Brinkley Avenue across from Fire Station 14. Most of the shoreline is developed but not all. There may be enough remnant vegetation to set some historic levels. Features—boardwalk, parking lot, 2 stormwater ponds, grassed areas.	Excellent, public property at Lake Orienta Park, access is good to the edge of the lake and to upland grassed areas.	Good site.	EG	L, U	Levels M. Basin isolated.	GM	Within amoeba	No	2	4	SJR	No	Yes, from several locations in park.
ECF	2	Marsh pond connected to Lake Adelaide	N 28 40.291	W 81 22.382	4-Jun-02	GPS in parking lot at edge of marsh	Marsh connected to L. Adelaide lying to southwest. Dominant species include willow, cattail and smartweed.	Possible easement-- access from parking lot, or maybe from stormwater facility. No public land.	Good site if access can be arranged.	PG	M, P	Levels M; closed basin (Adelaide, Marion and Florida).	GM	Within amoeba	No	4	4	SJR	No	Yes, from apartment complex (Villa del Mar) looking across to hospital
ECF	3	Lake Marion	N 28 40.731	W 81 21.992	4-Jun-02	Small strip of land between curve in road (Oakhurst and Lake Ave.)	Dry basin with some residual pools; houses surround most of the lake.	No apparent public access. We did not find a drainage easement, but that should be checked again.	Good site if access can be arranged.	NG	L	Levels M; closed basin (Adelaide, Marion and Florida).	GM	Within amoeba	No	5	4	SJR	No	Yes, pan of 9 to 10 shots
ECF	4	Lake Florida	N 28 40.295	W 81 21.833	4-Jun-02	Drainage easement on Florida Blvd.	Connects to Adelaide.	Possible easement-- Access via drainage easement. Small area between the road and the edge of the lake could be used.	Good site if access can be arranged.	PG	L	Levels M; closed basin (Adelaide, Marion and Florida).	GM	Within amoeba	No	4	4	SJR	No	Yes pan of 6.
ECF	5	Lake Adelaide	N 28 40.244	W 81 21.970	4-Jun-02	Swamp at north end off of Tropic Hill St.	Tallow on edge w/ red maple, buttonbush, mixed shrub and emergent marsh species. OUC Monitoring Site #3338.	No apparent public access. We did not find a drainage easement, but that should be checked again. Access from back of buildings on the south side. Also may be access from adjacent roads (Fern Park Blvd. and Oxford Rd.)	Good site if access can be arranged.	CUP	L	Levels M; closed basin (Adelaide, Marion and Florida).	GM	Within amoeba	No	7	4	SJR	Permit #3159	Yes 3 photos

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ECF	6	Library Wetland	N 28 39.731	W 81 20.108	4-Jun-02	Parking lot of central library Seminole County.	Forested (hardwood) wetland.	Possible easement-- Assume that library property extends into the wetland. Area between the edge of the parking lot and the wetland could be used.	Good site if access can be arranged.	PG	S	Levels M.	GM	Edge of amoeba	No	4	4	SJR	No	Yes, series of 6 photos from parking lot.
ECF	7	Triplet Lakes Park at Secret Lake Park off Triplet Lake Dr.	N 28 40.394	W 81 19.560	4-Jun-02	Park at the connection point between North and Middle Triplet Lakes	Lakes with fringing wetlands. Unnumbered Monitoring Site.	Excellent, public access to both lake systems as well as the canal connection the two.	Excellent site.	CUP	L, S,M, and U	Levels M. Flowthrough lake system, connects to Gee Creek and then Lk. Jesup.	EM	Edge of amoeba	No	7	4	SJR	Permit #3159	Yes, 3 photos from parking lot.
ECF	9	Clear Lake off Lake Dr.	N 28 40.224	W 81 17.676	4-Jun-02	County property on Clear Lake Dr.	Pool remaining in the lower portion, rest is broomsedge with mixed grasses and sedges. About 75 ft of oak forest between road and edge of lake/marsh. OUC Monitoring Site #3363.	OUC's list; Good access, apparently the oak forest edge is county property. This should be confirmed.. This lake is on OUC's list.	Excellent, on OUC's list.	CUP	L, M, and U	Levels low, 3-4 feet below the high water marks.	EL	Within amoeba	No	7	2	SJR	Permit #3159	Yes, 6 photos with pan of 5.
ECF	10	Lake Tony	N 28 40.269	W 81 17.312	4-Jun-02	Near Clear Lake. Cul-de-sac du sac on Sweetwater Lane.	Only part of shoreline is developed. Forested border on part of the E side.. May be conservation area next to Seville Chase.	No apparent public access.	Marginal site.	NM	L	Levels M. Closed basin.	MM	Within amoeba	No	6	6	SJR	No	No photo.
ECF	11	Lake Tony	N 28 40.263	W 81 17.313	4-Jun-02	Bird Road along E side.		No apparent public access.	Marginal site.	NM	L, S	Levels M. Closed basin.	MM	Within amoeba	No	6	6	SJR	No	No photo.
ECF	12	Lake Hodge Park	N 28 41.400	W 81 19.253	4-Jun-02	Park adjacent to the lake.	Grassed area adjacent to lake with gazebo. Residual pools of water in the lake basin, willow fringe in few places.	Excellent, access from City park. Staff gauge at boardwalk.	Excellent site	EE	L, U, M	Levels low, several feet below the high water marks; isolated.	EL	Edge of amoeba	No	1	2	SJR	No	Yes, 9 photos of playground and park and lake.
ECF	13	Myrtle Lake	N 28 43.385	W 81 21.760	5-Jun-02	Twin Lake Dr., at edge of cul-de-sac du sac.	Dry bed; maidencane, sedges, dogfennel, buttonbush, willow; no standing water; woodstorks and great egrets.	Possible easement-- No direct public access, but check on easements. Map shows park at the south end, but we did not find it.	Good site; Lorne considers this a good site for monitoring.	PG	L, M	Levels very low, no standing water. Isolated basin	GVL	Within amoeba	No	4	2	SJR	No	Yes, pan of shots N to S.

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ECF	14	Greenwood Lake Park	N 28 43.980	W 81 20.947	5-Jun-02	Upland site at county park	Upland park area.	Excellent, county park.	Not a good site.	EN	U	Upland site	NU	Within amoeba	No	5	7	SJR	No	Yes, 1 photo from the road.
ECF	15	Big Tree Park	N 28 43.228	W 81 19.905	5-Jun-02	Big Tree Park and Spring Hammock Reserve.	Large forested wetland area with Soldier Creek running through on the W side of L. Jesup.	Excellent, large public land holdings in the area.	Good site with outflow.	EG	S, U	Levels M to H; outflow wetland system draining to Jesup.	GMH	Edge of amoeba	No	2	4	SJR	No	Yes, 6 photos at Big Tree Park.
ECF	16	Spring Hammock Preserve	N 28 43.232	W 81 19.580	5-Jun-02	Big Tree Park and Spring Hammock Reserve.	Large forested wetland area with Soldier Creek running through on the W side of L. Jesup.	Excellent, large public land holdings in the area.	Good site with outflow.	EG	S, U	Levels M to H; outflow wetland system draining to Jesup.	GMH	Outside amoeba	No	2	4	SJR	No	No photo.
ECF	17	Lake Bingham	N 28 44.284	W 81 18.617	5-Jun-02	South of community college, Lake road on south side with sidewalk along the edge of the lake.	Hypericum prairie up to the edge and down to the pool; water lilies edge the pool; central part of the basin with standing water.	No apparent public access; access would have to be arranged, but sidewalk runs along the edge of the lake.	Good site.	NG	M, L	Levels low, isolated, staff gauge.	GL	Outside amoeba	No	5	3	SJR	No	Yes, pan of 5 photos from sidewalk.
ECF	18	Lake Lee	N 28 44.571	W 81 18.791	5-Jun-02	Pond to NW of L. Bingham, Woldunn Subd. On E side.	Small lake (pond) in subdivision; residual standing water, rest is graminoid prairie; partial forested border, but residential development is ongoing.	Possible easement-- Stormwater pond in subd. abuts the pond on Woldunn Circle.	Good site if access can be arranged.	PG	P, M	Levels low; standing water still present in the center of the pond, about 3 to 5 ft below level of boat dock; isolated.	GL	Outside amoeba	No	4	3	SJR	No	Yes, 3 photos.
ECF	19	Lake Mary	N 28 44.809	W 81 19.010	5-Jun-02	Drainage easement on Clermont Rd. SE corner of lake.	North section of lake, broad section of the littoral zone is exposed white sand.	Possible easement-- drainage easement.	Good site if access can be arranged.	PG	L, M	Levels low; standing water still present in the center of the pond, about 3 to 5 ft below level of boat dock; isolated.	GL	Outside amoeba	No	4	3	SJR	No	Yes, 4 photos from shoreline.

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ECF	20	Lake Mary	N 28 44.901	W 81 18.708	5-Jun-02	Community College	Undeveloped area along edge of lake will provide upland and lake monitoring sites.	Excellent, on College property	Excellent candidate for a monitoring site.	EE	U, M, L	Levels low; standing water still present in the center of the lake, about 3 to 5 ft below level of boat dock; isolated.	EL	Outside amoeba	No	1	2	SJR	No	No photo.
ECF	21	Pond Park	N 28 44.862	W 81 19.152	5-Jun-02	Small park at Estrella and Clermont Rd.	Small pond with park, boardwalk with gazebo, grassed area, playground. Central pool flooded; some organics in soils at edge of water; buttonbush and willow at the edge of current WL.	Excellent, at park.	Excellent candidate for a monitoring site.	EE	P, U	Levels M. Isolated basin.	EM	Outside amoeba	No	1	4	SJR	No	Yes, 6 photos from park.
ECF	22	Liberty Park at Lake Crystal	N 28 46.091	W 81 19.083	5-Jun-02	Park	Some pools on E side of lake, rest is marsh with patches of willow and buttonbush; some tallow invading	Excellent, at park.	Excellent site	EE	L, M, S, U	Levels low; closed basin, marsh showing encroachment by upland and weedy species	EL	Within amoeba	No	1	2	SJR	No	Yes, 11 photos from park.
ECF	23	Lake Crystal @ community building	N 28 46.094	W 81 19.148	5-Jun-02	Lake Mary community building	Same as Site # 41.	Excellent, at park.	Good site.	EG	L, U	Levels low; closed basin, staff gauge @ 37.0, but high water stain marks @ 43.7 to 44.0.	GL	Within amoeba	No	2	3	SJR	No	Yes, 4 photos from grassy slope next to lake.
ECF	24	Lake Emma @ Primera	N 28 45.663	W 81 21.340	5-Jun-02	Wetland easement at Primera, edge of office park.	West lobe of L. Emma; circular depression; some open water, maidencane fringe with shrub and pine border.	Easement present--wetland easement according to Lorne Malo.	Good site.	EsG	L, M	Levels low.	GL	Within amoeba	No	2	3	SJR	No	Yes, 2 photos.
ECF	25	Primera Wetland	N 28 45.985	W 81 21.269	5-Jun-02	Ridge adjacent to new construction	Willow marsh with forested border, adjacent to high ridge; retention ponds back up to L. Emma.	No apparent public access, access will have to be arranged.	Not a good site.	NN	S	Levels M.	NM	Within amoeba	No	6	7	SJR	No	Yes, photos.

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ECF	26	Alaqua Wetland @ Legacy Hills Court	N 28 45.513	W 81 23.540	5-Jun-02	Cul-de-sac du sac area on Legacy Hills Court	forested wetland cypress mixed hardwoods, with willow and buttonbush on interior, some standing water present with duckweed cover (see photos)	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	S	Levels M. Altered hydrology--Lorne Malo said that 10 years ago the wetland had a closed canopy, now canopy open with dead trees.	OM	Edge of amoeba	No	6	5	SJR	No	Yes, 2 photos.
ECF	27	Alaqua Wetland @ Ashton Oaks	N 28 45.354	W 81 23.500	5-Jun-02	Ashton Oaks cul du sac.	Slough with golf cart trail, near the tee for hole #3.	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	S	Levels M.	OM	Edge of amoeba	No	6	5	SJR	No	Yes, 2 photos.
ECF	28	Alaqua Wetland @ Sterling Ridge Court and Alaqua Lakes Blvd.	N 28 45.354	W 81 23.646	5-Jun-02	Sterling Ridge Ct. & Alaqua Lakes Blvd.	Small cypress mixed hardwood wetland.	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	S	Levels M.	OM	Edge of amoeba	No	6	5	SJR	No	No photo.
ECF	29	Alaqua Wetland @ Sterling Ridge Court cul du sac	N 28 45.186	W 81 23.706	5-Jun-02	Sterling Ridge Ct. cul du sac at S end.	Small cypress mixed hardwood wetland.	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	S	Levels M.	OM	Outside amoeba	No	6	5	SJR	No	No photo.
ECF	30	Alaqua Wetland @ Park Grove Court and Alaqua Lakes Blvd.	N 28 45.299	W 81 23.535	5-Jun-02	Park Grove Ct. & Alaqua Lakes Blvd.	Small cypress mixed hardwood wetland.	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	S	Levels M.	OM	Edge of amoeba	No	6	5	SJR	No	No photo.
ECF	31	Alaqua Wetland @ New Gate Loop and Snowfields Run	N 28 45.873	W 81 23.330	5-Jun-02	New Gate Loop & Snowfields Run.	Powerline crossing; mixed hardwood forested wetland with organic soils.	Possible easement--Access would have to be arranged, but likely can be arranged via the R.O.W.	Good site.	PG	S	Levels M.	GM	Edge of amoeba	No	4	4	SJR	No	Yes, 3 photos.
ECF	32	Lake Near Sylvan	N 28 45.829	W 81 23.308	5-Jun-02	Markham Woods Road.	Unnamed small lake connected to Sylvan; natural vegetation along borders.	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	L	Levels L to M. Isolated, small lake.	OML	Edge of amoeba	No	6	5	SJR	No	Yes, 2 photos.
ECF	33	Lake Markham	N 28 48.018	W 81 23.871	5-Jun-02	L. Markham Preserve subdiv.	Subdivision under development, so eventually the shoreline will be altered;	Easement--Public access is not good, but Lorne Malo says that there might be lakefront conservation easement.	Good site if access can be arranged.	EsG	L	Levels low, water levels 4 to 5 ft below high water marks.	GL	Outside amoeba	No	2	3	SJR	No	Yes, 3 photos.

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ECF	34	Sylvan Lake Park-- parking lot	N 28 48.066	W 81 23.152	5-Jun-02	Lake Sylvan Park	Upland area at parking lot and play ground.	Excellent, at park. Also other small isolated wetlands in the park.	Excellent site!	EE	M, L, U	Levels low, closed basin, organic soils in marsh still saturated.	EL	Edge of amoeba	No	1	2	SJR	No	No photo.
ECF	35	Sylvan Lake Park--marsh	N 28 48.048	W 81 23.062	5-Jun-02	Lake Sylvan Park	Boardwalk through marsh with organic soils, water still present in low spots.	Excellent, at park. Also other small isolated wetlands in the park.	Excellent site!	EE	M, L, U	Levels low, closed basin, organic soils in marsh still saturated.	EL	Edge of amoeba	No	1	2	SJR	No	Yes, 5 photos.
ECF	36	Sylvan Lake Park--edge of lake	N 28 48.040	W 81 23.026	5-Jun-02	Lake Sylvan Park	Boardwalk at edge of lake with water lily zone with fringing sawgrass; organic soils still saturated.	Excellent, at park. Also other small isolated wetlands in the park.	Excellent site!	EE	L, M, U	Levels low, closed basin, organic soils in marsh still saturated.	EL	Edge of amoeba	No	1	2	SJR	No	Yes, 4 photos.
ECF	37	Yankee Lake	N 28 49.053	W 81 23.742	5-Jun-02	Seminole County spraysite.	Lake at edge of spray field	Excellent, this is county property.	Marginal site, hydrology is affected by the reclaimed water applications.	EM	L, U	Levels M to H; levels higher than other lakes in the area. Lake levels are influenced by applications on the sprayfield.	MMH	Outside amoeba	No	5	6	SJR	No	Yes, 3 photos.
ECF	38	Wetland West Of Yankee Lake	N 28 49.195	W 81 24.017	5-Jun-02	Immediately west of Seminole County spraysite.	Marsh to west of entrance road to the spray site.	Excellent, appears to be public land.	Good site, though hydrology may be influenced by spray site.	EG	M, U	Water levels not determined. Assume M.	GM	Outside amoeba	No	2	4	SJR	No	Yes, 2 photos from road.
ECF	39	Lower Wekiva Sawgrass Marsh	N 28 49.492	W 81 24.150	5-Jun-02	NW of county spraysite in Lower Wekiva R. Preserve.	Sawgrass marsh to the W and NW of the NW corner of the county property.	Excellent, public land.	Excellent site.	EE	M, U	Water levels not determined. Assume M.	EM	Outside amoeba	No	1	4	SJR	No	No photo.
ECF	40	Ross Lake	N 28 48.537	W 81 23.852	5-Jun-02	Ross Lake Shores Subd.	South of county reclamation facility, some residual pools with water lilies, organic soils starting to fissure	Possible easement-- May be drainage easement on the edge of lake, just before the cul du sac, confirm this.	Good site if access can be arranged.	PG	L, M, U	Levels very low.	GVL	Outside amoeba	No	4	2	SJR	No	Yes, 5 photos from edge of marsh.

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ECF	41	Crystal Lake@ Community Building	N 28 45.713	W 81 19.418	5-Jun-02	At Community Bldg.	Same as Site # 23. Upland area extends down to lake	Excellent, city owned property.	Excellent site	EE	U, L	Levels low, closed basin, staff gauge @ 37.0, but high water stain marks @ 43.7 to 44.0.	EL	Within amoeba	No	1	2	SJR	No	Yes, 4 photos from grassy slope next to lake.
ECF	42	Crystal Lake@ Wesley Park	N 28 45.597	W 81 19.995	5-Jun-02	Wesley Park	Parking and picnic areas, grassed area sloping down to lake; staff gauge; sandhill cranes.	Excellent, city owned property.	Excellent site	EE	U, L	Levels low, closed basin, staff gauge @ 37.0, but high water stain marks @ 43.7 to 44.0.	EL	Within amoeba	No	1	2	SJR	No	Yes, series of 12 photos.
ECF	43	Lake Concord@ Anniversary Park	N 28 40.355	W 81 20.175	6-Jun-02	Anniversary Park in Casselberry.	S. end of lake Concord in Casselberry; grassed area extends to edge of lake;	Excellent, city owned property.	Good site.	EG	U,L	Levels M, within 3 ft of top of boat docks. Check if drainage well is present.	GM	Edge of amoeba	No	2	4	SJR	No	Yes, 5 photos from park and edge of lake.
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ECF	44	Quail Pond@ Anniversary Park	N 28 40.292	W 81 20.114	6-Jun-02	Anniversary Park in Casselberry.	Pond south of L. Concord in Casselberry; grassed area extends to edge of lake;	Excellent, city owned property.	Good site.	EG	U,L	Levels H, within 1.5 ft of high water marks on boat docks.	GH	Edge of amoeba	No	2	4	SJR	No	Yes, 3 photos from grassed slope adjacent to pond.
ECF	45	Lake Wildmere	N 28 41.875	W 81 20.100	6-Jun-02	Casselberry area, south of CR434.	Two connected lakes, Wildmere and Evergreen.	Possible easement-- access via DOT easement on edge of L. Evergreen along CR 434.	OK site if access can be arranged.	PO	L	Levels M to H, connected to the Triplet/Gee Creek system.	OMH	Within amoeba	No	5	5	SJR	No	Yes, 5 photos from E side of DOT ROW.

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ECF	46	Lake Yvonne (Quintuplet)	N 28 40.171	W 81 18.897	6-Jun-02	N. of Quintuplet Drive, Casselberry.	L. Yvonne, the largest of the Qunituplet lakes, swamp and marsh complex bordering the part of the lake. Bayswamp on south side shows excessive oxidation of organic soil (see photos).	Possible easement-- Drainage easement from the road to the lake, passes through a bayhead before reaching the lake.	Good site if access can be arranged.	PG	S, M, L	Levels very low, site with altered hydrology, oxidized organic soils in the bayhead. Trees falling, soils receding, roots exposed.	GVL	Edge of amoeba	No	4	2	SJR	No	Yes, 6 photos from bayswamp and edge of lake.
ECF	47	Crystal Bowl	N 28 39.897	W 81 18.772	6-Jun-02	Casselberry area, to E of Winter Park Drive.	Difficult to see the lake, surrounded by single family residences.	Possible Easement-- Drainage easement near intersection of Crystal Bowl with Guinevere.	OK site if access can be arranged.	PO	L	Levels M.	OM	Within amoeba	No	5	5	SJR	No	No photo.
ECF	48	Crystal Bowl Park	N 28 39.723	W 81 18.801	6-Jun-02	Casselberry area, to E of Winter Park Drive.	Small park area on Crystal Bowl Circle, with open stand of long leaf pine, turkey oak and olive oak.	Excellent, city owned upland property.	Good site if upland well cluster could be paired with staff gauge and well on the lake.	EU	U	Upland site.	GU	Within amoeba	No	3	7	SJR	No	Yes, 3 photos from road.
ECF	49	Dew Drop Park	N 28 39.756	W 81 18.560	6-Jun-02	Casselberry area, E of Crystal Bowl.	Good size park area bordering the lake; no shoreline littoral vegetation on this isolated lake.	Excellent, city owned property.	Excellent site	EE	U, L	Levels M, within 2 ft of water stain marks; isolated.	EM	Within amoeba	No	1	4	SJR	No	Yes, 6 photos from park at edge of lake.
ECF	50	Lake Kathryn	N 28 40.995	W 81 19.979	6-Jun-02	SE corner of intersection of Seminola & 17/92.	Unpaved parking area at edge of lake, check to see if it is a public access.	No apparent public access, access will have to be arranged.	Marginal site.	NM	L	Not determined.	MN	Edge of amoeba	No	6	6	SJR	No	No photo.
ECF	51	Lake Searcy @ Sandalwood Park	N 28 42.357	W 81 21.502	6-Jun-02	E. of Range Line Rd, N. end of Longwood.	Small park in Sandalwood subd.; powerline ROW crosses back end of park; thicket of red maple, willow and bay, assume thicket extends down to the lake, but lake is not visible from the park.	No apparent public access; access not clear, needs follow up. Lake and bordering wetland may be accessible from the park or the powerline ROW..	OK site if access can be arranged.	NO	U, L, S	Levels M.	OM	Within amoeba	No	6	5	SJR	No	Yes, 3 photos from Sandalwood Park.

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ECF	52	Range Line Road Wetland	N 28 42.106	W 81 21.738	6-Jun-02	Wetland on W. side of Range Line Rd, N. of CR 434.	Emergent marsh with pocket of shrub and bay thicket; sandhill cranes.	No apparent public access; wetland adjacent to the road, so access might be via the ROW for Range Line Rd.	Good site if access can be arranged.	NG	M, P	Levels low, no standing water visible; water marks on willow at 2 ft above soil surface; wetland receives stormwater inflows.	GL	Within amoeba	No	5	3	SJR	No	Yes, pan of 6 photos from road.
ECF	53	Island Lake	N 28 41.733	W 81 21.659	6-Jun-02	Large wetland	Large wet prairie system with interspersed tree islands' Rhynchospora and Eleocharis; bayhead island; peat soils in prairie saturated but not flooded.	Possible easement-- No clear public access, however parking areas and roads border the wetland, so stormwater facilities may provide access.	Excellent site if access can be arranged.	PE	M, S	Levels L to M, peat soils in the prairie saturated but not flooded.	EML	Within amoeba	No	3	3	SJR	No	Yes, 5 photos from NE edge.
ECF	54	Island Lake at borrow pit	N 28 41.721	W 81 21.605	6-Jun-02	Borrow pit at north central end of wetland, at edge of parking lot.	Borrow pit at north central end of wetland, at edge of parking lot.	No apparent public access, access will have to be arranged.	Good site in wetland.	NG	P, M	Levels L to M.	GML	Within amoeba	No	5	4	SJR	No	Yes, 2 photos from N end.
ECF	55	Lake Dot Park	N 28 44.997	W 81 17.190	6-Jun-02	Lake Dot Park, E. of 17/92, S. of Lk. Mary Blvd.	Small circular lake with grassed area in a residential neighborhood; little habitat value.	Excellent, city owned property.	Marginal site, low habitat value.	EM	L	Levels H. Stormwater inlets from surrounding neighborhood.	MH	Outside amoeba	No	5	6	SJR	No	Yes, 4 photos from grassed area next to lake.
ECF	56	Chase Groves Swamp, Sanford area.	N 28 47.156	W 81 17.999	6-Jun-02	At SW corner of SR 46A and CR 417, W.Sanford.	Large forested wetland, headwater type; Magnolia, Acer, Nyssa; organic soils, 18+ inches deep at edge near road; also understory of buttonbush, royal fern, cinnamon fern, pickerelweed and duck-potato.	Possible easement-- Lorne Malo says that there may be a conservation easement for mitigation; or access via DOT ROW.	Excellent site if access can be worked out.	PE	S	Levels L to M, organic soils saturated, but no standing water	EML	Edge of amoeba	No	3	3	SJR	No	Yes, 4 photos from roadside edge of swamp.
ECF	57	Lakes Deforest and Belaire, Sanford area.	N 28 46.863	W 81 18.556	6-Jun-02	Canal connecting Belaire and Deforest.	Most of shoreline developed.	Possible drainage easement, swale in backyards catches water before popoff into lake.	Good site if access can be arranged.	PG	L, M	Levels L to M, 3 to 4 below water marks on boat docks.	GML	Edge of amoeba	No	4	4	SJR	No	Yes, 5 photos.

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ECF	58	Golden Lake @ Sanford Airport	N 28 46.166	W 81 14.352	6-Jun-02	South side of Sanford airport.	Lake at south end of Sanford airport property.	Possible easement-- lake looks to be on airport property, so it may be accessible.	OK site.	PO	L	Level M	OM	Outside amoeba	No	5	5	SJR	No	No photo.
ECF	59	Wetland at North Lake Jesup	N 28 45.599	W 81 12.795	6-Jun-02	North Lake Jesup Conservation Area, E. of Cameron Ave. S. of SR 46	Some isolated, forested wetlands on property.	Excellent, SJRWMD property.	Excellent site, SJRWMD property. Other wetlands may be present.	EE	S, U	Levels M.	EM	Outside amoeba	No	1	4	SJR	No	Yes, 2 photos from roadside.
ECF	60	Red Root Marsh at Geneva	N 28 44.941	W 81 07.947	6-Jun-02	E. side of SR 46, W. of Song Bird Trail; NW of Geneva.	Small, redroot marsh next to SR 46. Isolated.	No apparent public access, access will have to be arranged.	OK site if small isolated wetland is needed.	NO	M	Levels L to M; no standing water present.	OML	Outside amoeba	No	6	5	SJR	No	No photo.
ECF	61	Lake Geneva	N 28 44.725	W 81 06.646	6-Jun-02	L. Geneva Rd. & Culver Way	North lobe of the lake; water lily marsh; uplands are sand pine scrub.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L, M, U	Levels low.	GL	Outside amoeba	No	5	3	SJR	No	Yes, 2 photos.
ECF	62	Harts Lake	N 28 45.118	W 81 06.847	6-Jun-02	N. of L. Geneva on Hart Rd.	Large lot residences border part of lake; far side (W.) shoreline is undeveloped.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L, M, U	Levels L to M, standing water present 4 to 5 below water marks on boat dock.	GML	Outside amoeba	No	5	4	SJR	No	Yes, 3 photos from roadside.
ECF	63	Flatwoods pond at Lk Proctor Wilderness Area	N 28 43.638	W 81 06.040	6-Jun-02	Lake Proctor Wilderness Area, Geneva.	Isolated wetland on White Trail. Small flatwoods depression, marsh with red-root and maidencane; with dogfennel cover, from seedbank.	Excellent, county park.	Excellent site, county park property. Other wetlands are present on the property.	EE	M, U	Levels low, no standing water; dogfennel cover from seedbank.	EL	Outside amoeba	No	1	2	SJR	No	No photo.

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ECF	64	Lake Proctor marsh	N 28 43.741	W 81 06.123	6-Jun-02	Lake Proctor in LPWA, Geneva.	Levels L, residual pools in lowest areas, remaining areas are emergent marsh and prairie with scattered shrub thicket; maidencane Sacciolepis, red-root, water lily and spadderdock.	Excellent, county park.	Excellent site, county park property. Other wetlands are present on the property.	EE	M, L, U	Levels low, residual pools in lowest areas, remaining areas are emergent marsh and prairie. Monitor well near entrance to park.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 1 photo.
ECF	65	Geneva Wilderness Area--	N 28 42.396	W 81 07.570	6-Jun-02	GWA, County Park.	Isolated flatwoods pond; water lilies and standing water in center of pond; maidencane and mixed emergents upslope; dogfennel and broomsedge up to the pine edge.	Excellent, county park.	Excellent site, county park property. Other wetlands are present on the property.	EE	P, M, U	Levels low, residual pools in lowest areas, remaining areas are emergent marsh and prairie, level below staff gauge, but estimate level at 22.5 ft, water marks at 23.5, pine edge at 24 to 25 ft.	EL	Outside amoeba	No	1	2	SJR	No	Yes, pan of 6 photos.
ECF	66	Little/Big Econ--wetland	N 28 41.234	W 81 06.920	6-Jun-02	Isolated depressionnal wetland at entrance area at Snowhill Rd.	Lorne says that this wetland is include in the state wetland delineation manual. Other wetlands are on the property.	Excellent, SJRWMD property.	Excellent site, SJRWMD property. Other wetlands may be present.	EE	M, P	Levels L to M; no standing water present.	EML	Outside amoeba	No	1	3	SJR	No	Yes, 3 photos at entrance area.
ECF	67	Lake Mills Park	N 28 37.956	W 81 07.304	6-Jun-02	Lake Mills Park, Chuluota.	Forested upland areas, cypress border to lake, and large blackwater lake.	Excellent, county park.	Excellent site, county park property. Large upland area. Other may wetlands are present on the property.	EE	U, L, S	Levels M to H, 2 ft below the high water lines on bordering cypress trees. Lake has inflow (L. Pickett) and outflow (Mills Creek)	EMH	Outside amoeba	No	1	4	SJR	No	Yes, 9 photos.

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ECF	68	Mirror Lake	N 28 40.080	W 81 26.293	13-Jun-02	Apartments next to CR 436.	Boardwalk with residual wetland trees. Water levels L, houses along most of the shoreline.	Possible easement-- Lorne Malo says that there may be a conservation easement; this should be confirmed.	Good site if access can be arranged.	PG	L	Levels low, 4 + ft below water marks on dock, lichen line also visible on some of the fringing trees. Has an outflow that appears to connect to Little Econ.	GL	Within amoeba	No	4	3	SJR	No	Yes, 3 photos.
ECF	69	Bear Lakes	N 28 38.563	W 81 26.677	13-Jun-02	Bear Lake Woods Subd.; E. of US 441, and S. CR 436 (Semoran Blvd.)	Three lakes (Bear, Little, and Cub), drainage easement in subd., Jessica Dr. Extends down to lake, wide flat retention basin, about 200 ft wide; another stormwater basin, across street to S.	Possible easement-- Drainage easements at stormwater facilities, confirm.	Good site if access can be arranged.	PG	L	Levels M to H in all three lakes, water marks on dock at 1 ft above current level. Lakes connected together and then eventually to the Little Wekiva R.	GMH	Within amoeba	No	4	4	SJR	No	Yes, 3 photos.
ECF	70	Border Lake	N 28 40.186	W 81 27.710	13-Jun-02	Next to Sprint office building on 436	open water with fringe of willow and elderberry.	Possible easement-- Retention area adjacent to lake at office parking lot; there may be drainage easement.	Marginal site.	PM	L	Levels low. L. Malo estimated that current level 4 + ft below high water mark.	ML	Within amoeba	No	6	6	SJR	No	Yes, 3 photos.

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ECF	71	Lake Prevatt	N 28 42.535	W 81 29.296	13-Jun-02	Wekiva Springs State Park, N. of Welch Rd.	Basin nearly dry, no standing water, herbaceous emergent marsh; uplands have live oak edge and grade uphill into sandhill. It is likely that there are other wetland and aquatic sites in the park that may be suitable for use as monitoring sites.	Excellent, State Park.	Excellent site, state park. Upland and wetland areas available le.	EE	L,U, M	Levels very low (below the min. infreq. Low???), no standing water present, peat in deep is desiccated, cracked; blocks of peat have been reflected and moved (see photos). There is small tributary inflow, and an outflow to the north, Carpenter Branch.	EVL	Outside amoeba	No	1	1	SJR	No	Yes, 9 photos.
ECF	72	Sand Lake Pond	N 28 43.320	W 81 28.291	13-Jun-02	Wekiva Springs State Park, N. of Welch Rd.	Small blackwater pond in park; water levels H. It is likely that there are other wetland and aquatic sites in the park that may be suitable for use as monitoring sites.	Excellent, State Park.	Excellent site, state park. Upland and wetland areas available le.	EE	L, U	Levels H, within 0.5 ft of top of bank.	EH	Outside amoeba	No	1	4	SJR	No	Yes, 11 photos.
ECF	73	Lake Caroni (Caronia)	N 28 42.143	W 81 29.607	13-Jun-02	Wekiva Woods subd., S. of Lk. Prevatt.	Cul du sac large retention basin extends to edge of lake basin. Basin dry, seedbank response seen in the waves of dogfennel.	Possible easement-- Drainage easements at the stormwater facilities, confirm.	Excellent site if access can be arranged.	PE	L, M	Levels very low, no standing water, like Prevatt. Rust stains on chain-link fence at same level as the toe of slope of retention area berm. On topo map it looks like lake may connect to McCoy at high stage, and outflow to Prevatt.	EVL	Edge of amoeba	No	3	1	SJR	No	Yes, 9 photos.

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ECF	74	Dream Lake Park	N 28 41.055	W 81 30.594	13-Jun-02	Dream Lake Park, CR 435, Apopka.	Park area is a filled gum swamp, some residual wetland stands of trees on edge of park area.	Excellent, City Park.	Good Site.	EG	L, U	Levels H, with 0.5 to 1 ft of water stain marks on dock. Is this lake spring fed?	GH	Within amoeba	No	2	4	SJR	No	Yes, 6 photos.
ECF	75	Lake McKoy--at retention pond	N 28 41.042	W 81 30.109	13-Jun-02	Votow Rd. Retention ponds, Orange County Utilities.	Wood stork, ibis, anhinga; grassy marsh depression with organic soils, small residual pool in SE, edge of willow thicket on S & W; houses bordering on E & NE. More willow swamp on the lobe that extends to the S of the road	Possible easement-- Good access through county property. Also, retention ponds next to lake may have drainage easements.	Excellent site if access can be arranged.	PE	L, M	Levels very low, no standing water, like Caroni and Prevatt. On topo map it looks like lake may connect to Caroni at high stage, and outflow to Prevatt. Also, has small trib inflow.	EVL	Within amoeba	No	3	1	SJR	No	Yes, 3 photos.
ECF	76	Lake McKoy--site 2	N 28 41.038	W 81 29.975	13-Jun-02	To east of site 1.	Wood stork, ibis, anhinga; grassy marsh depression with organic soils, small residual pool in SE, edge of willow thicket on S & W; houses bordering on E & NE. More willow swamp on the lobe that extends to the S of the road	Possible easement-- Good access through county property. Also, retention ponds next to lake may have drainage easements.	Excellent site if access can be arranged.	PE	L, M	Levels very low, no standing water, like Caroni and Prevatt. On topo map it looks like lake may connect to Caroni at high stage, and outflow to Prevatt. Also, has small trib inflow.	EVL	Within amoeba	No	3	1	SJR	No	Yes, 5 photos.
ECF	77	Buchan Pond	N 28 41.587	W 81 30.907	13-Jun-02	On Grossenbacher Drive, N of Dream Lk.	Roadside at last empty lot; E. side is wet prairie, W. is pond; forested border on N. side. Wells and water plant nearby.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	M, S, L	Levels M to H.	GMH	Within amoeba	No	5	4	SJR	No	Yes, 5 photos.
ECF	78	Trout Lake	N 28 37.303	W 81 30.626	13-Jun-02	Ocoee area, McCormick Rd.	Lake bed dry; stands of dogfennel, Echinochloa; pasture on some of the surrounding uplands; looks like a very disturbed system.	No apparent public access, access will have to be arranged.	Marginal site, disturbed site, low habitat value.	NM	M, P	Levels very low, basin dry.	MVL	Within amoeba	No	6	6	SJR	No	Yes, 3 photos.

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ECF	79	Prairie Lake @ retention pond	N 28 35.574	W 81 30.793	13-Jun-02	Ocoee off of Clark Rd. Prairie Lake off Clark Rd.	Retention ponds between Clark Rd. and lake; staff gauge at edge of retention pond; shallow areas have standing dead stalks of previous year's dogfennel, deeper area have cover of grasses and sedges, no standing water visible; houses line the NE and SE, land on the W is being cleared for development. OUC monitoring site #4871.	Possible easement-- Access from retention ponds, check for drainage easement.	Good site if access can be arranged.	CUP	M, L	Levels very low, basin dry.	GVL	Within amoeba	No	7	2	SJR	Permit #3159	Yes, 8 photos.
ECF	80	Lake Sydney (Lake Meadows)	N 28 35.486	W 81 31.123	13-Jun-02	S. section of Meadow Lk., W. of Clarke Rd., Ocoee.	City land to NE of WWTP; adjacent to firing range; open cleared area next to willow thicket; some standing water present in thicket up to edge of the fill area. Topo shows north end of basin has been excavated.	Excellent access from City property.	OK, but site excavated.	EO	S, L	Levels M.	OM	Within amoeba	No	4	5	SJR	No	Yes, 5 photos.
ECF	81	Lake Tiny-- site 1	N 28 35.298	W 81 28.074	14-Jun-02	Indian Hill Rd., near Horseshoe	Dry basin except for a pond area that may be excavated.	No apparent public access, access will have to be arranged.	Marginal site.	NM	M, P	Levels low, dry basin except for a pond area that may be excavated.	ML	Within amoeba	No	6	6	SJR	No	Yes, 2 photos.
ECF	82	Lake Tiny-- site 2	N 28 35.343	W 81 28.075	14-Jun-02	OCU lift station.	Dry basin except for a pond area that may be excavated.	Possible easement-- access via OCU easement.	Marginal site.	PM	M, P	Levels low, dry basin except for a pond area that may be excavated.	ML	Within amoeba	No	6	6	SJR	No	Yes, 2 photos.
ECF	83	Horseshoe Lake	N 28 35.821	W 81 28.116	14-Jun-02	Powers Rd. @ New Destiny Ministry.	Grassed area adjacent to lake; staff gauge; basin dry, muck in deep areas; Lorne Malo says that there was water in the basin in January but limited to where the muck zones are. This lake is on OUC's list.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	M, L	Levels low; dry basin, muck exposed.	GL	Within amoeba	No	5	3	SJR	No	Yes, 5 photos.

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ECF	84	Bayhead @ Gordon Barnett Park	N 28 35.820	W 81 28.081	14-Jun-02	Gordon Barnett Park, Pine Hills area, E. of CR 341, and N. of SR 50.	Remnant, isolated bayhead in park.	Excellent, county park.	Good Site.	EG	S, U	Levels M.	GM	Within amoeba	No	2	4	SJR	No	Yes, 3 photos.
ECF	85	Lawne Lake @ Gordon Barnett Park	N 28 33.823	W 81 26.506	14-Jun-02	Gordon Barnett Park, Pine Hills area, E. of CR 341, and N. of SR 50.	Parking area next to lake; shoreline fenced for bulrush plantings; shoreline in park is undeveloped and contains forested wetland of willow and mixed hardwoods.	Excellent, county park.	Good Site, but flow through system.	EG	L, S, U	Levels M to H, water up to the willow thicket on edge; lake has canal inflow coming through the park. Lake is flow through, eventually connected to the Little Wekiva R.	GMH	Edge of amoeba	No	2	4	SJR	No	Yes, 5 photos.
ECF	86	Arundel Road Sinkhole Pond	N 28 33.354	W 81 27.687	14-Jun-02	Arundel Rd.	Sinkhole pond adjacent to baseball field, access through what appears to be a drainage easement; deep area with cover of hyacinths, rest looks like old field.	Possible easement-- Drainage easement needs to be confirmed.	Marginal site, disturbed site, low habitat value.	PM	P	Levels M; receives stormwater inflows; also may be used for residential irrigation.	MM	Within amoeba	No	6	6	SJR	No	Yes, 6 photos.
ECF	87	Lake Pamela at Valencia CC	N 28 31.227	W 81 27.816	14-Jun-02	Valencia CC, W. of Kirkman Rd (CR535).	Small lake; some parts of the shoreline are undeveloped with marsh, shrub and swamp border.	Excellent, through the CC.	Good Site. Upland areas and other wetlands are on campus.	EG	L, U	Levels M to H.	GMH	Edge of amoeba	No	2	4	SF	No	Yes, 4 photos.
ECF	88	Pond at Valencia CC	N 28 31.495	W 81 28.039	14-Jun-02	Valencia CC.	Pond at edge of campus next to large retention pond, but a very disturbed site; circular depression, water pooled in low areas, stormwater inflows.	Excellent, through the CC.	Not a good site.	EN	P, M	Levels low. Very disturbed site; circular depression, water pooled in low areas, stormwater inflows.	NL	Edge of amoeba	No	5	7	SF	No	Yes, 2 photos.
ECF	89	Pine/Oak at Valencia CC	N 28 31.491	W 81 27.746	14-Jun-02	Valencia CC.	Transitional forest area, only marginally a wetland	Excellent, through the CC.	Not a good site.	EN	S	Disturbed site.	ND	Edge of amoeba	No	5	7	SF	No	No photo.

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ECF	90	Lake Cone & Marsh Park--Shadow Bay Pond	N 28 29.417	W 81 28.922	14-Jun-02	Lake Cone and Marsh Park, CR 435.	Shadow pond--pine forest surrounds half, water tank off property on W. side, water levels M to H. Park also has good upland area of xeric forest, sand pine scrub.	Excellent, area is in park.	Good Site.	EG	P, U	Levels H; within 1 to 1.5 ft of the elevation of pines.	GH	Edge of amoeba	No	2	4	SF	No	Yes, 5 photos.
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ECF	91	Lake Cone & Marsh Park--Pond 2	N 28 29.550	W 81 28.791	14-Jun-02	Lake Cone and Marsh Park	Pond 2 (Woodland Pond)--sand pine uplands surround, road nearly borders on N. side; grassy border to the pond; wood ducks and GBH., water levels M to H. Park also has good upland area of xeric forest, sand pine scrub.	Excellent, area is in park.	Good Site.	EG	P, U	Levels M to H; up to edge of grassed area.	GMH	Edge of amoeba	No	2	4	SF	No	Yes, 5 photos.
ECF	92	Lake Down at boat ramp	N 28 29.630	W 81 31.217	14-Jun-02	Windemere Rd. (CR 439).	Lake in the Butler chain.	Possible easement access to lake assuming that boat ramp is public, confirm this.	Good site, flows into Reedy Creek System.	EG	L	Levels M; connected to Lake Butler and then ultimately to the Reedy Creek System.	GM	Within amoeba	No	2	4	SF	No	No photo.
ECF	93	Lake Bessie at Park	N 28 29.503	W 81 31.830	14-Jun-02	Boat ramp.	Small lake near Lakes Down and Butler.	Excellent at City boat ramp.	Excellent site	EE	L, U	Levels M to H; appears to isolated, not connected into the Butler chain.	EMH	Within amoeba	No	1	4	SF	No	Yes, 6 photos.
ECF	94	Camp Down (OUC) on Lake Down	N 28 30.366	W 81 32.228	14-Jun-02	OUC's Camp Down	W. side of lake on N. end of Windemere.	Possible access: would have to be arranged with OUC.	Good site, flows into Reedy Creek System.	PG	L, U	Levels M; connected to Lake Butler and then ultimately to the Reedy Creek System.	GM	Within amoeba	No	4	4	SF	No	No photo.

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ECF	95	Lake Crescent-- Butler Bay Recreation Center	N 28 30.354	W 81 33.099	14-Jun-02	Private Rec. center.	Lake W. of lake down, appears to also be connected into the Butler chain.	No apparent public access, access will have to be arranged.	Good site, flows into Reedy Creek System.	NG	L	Levels M; connected to Lake Butler and then ultimately to the Reedy Creek System.	GM	Within amoeba	No	5	4	SF	No	No photo.
ECF	96	Lake Roper @ Cemetery	N 28 30.093	W 81 35.060	14-Jun-02	Winter Garden	Site not visited, drive by.	Excellent access through cemetery.	Good Site.	EG	L	Levels M.	GM	Within amoeba	No	2	4	SF	No	No photo.
ECF	97	Tibet Butler Preserve-- Cypress Dome	N 28 26.805	W 81 32.283	14-Jun-02	Tibet Butler	Isolated cypress dome, signs of muck fire. Intact uplands.	Excellent, county park.	Excellent site. Check to see if other isolated wetlands are on the property.	EE	S, U	Levels low.	EL	Outside amoeba	No	1	2	SF	No	Yes, 2 photos.
ECF	98	Tibet Butler Preserve-- lakeside marsh	N 28 26.882	W 81 32.125	14-Jun-02	Tibet Butler	Cypress swamp and emergent marsh fringing the lake, along trail and boardwalk; peat soils in the marsh at gazebo, soils dry with surface cracks; water marks on boardwalk pilings at 1.5 ft above soil surface.	Excellent, county park.	Good site, but lake is connected to the Butler chain and the Reedy Creek system.	EG	S, M, L, U	Levels low.	GL	Outside amoeba	No	2	3	SF	No	Yes, 6 photos.
ECF	99	Lake Starke-- park at municipal complex	N 28 34.262	W 81 32.507	20-Jun-02	Ocoee municipal complex.	Park at edge of lake; need to check for drainage wells; 2/3 of shoreline lined with houses; park has grassed areas along shoreline	Excellent, city park.	Excellent site, but check on drainage wells	EE	L, U	Levels M, check on drainage wells.	EM	Within amoeba	No	1	4	SJR	No	Yes, 6 photos.
ECF	100	Lake Olympia-- retention pond 1	N 28 34.227	W 81 31.293	20-Jun-02	Lk. Olympia Club subd.	Stormwater pond discharge to lake; levels much lower than Lk. Starke, sand bottom exposed	Possible easement-- Access would be through drainage easement, check to confirm.	OK site if access can be arranged.	PO	L	Levels low; water marks on docks are 4 to 5 ft. above current level.	OL	Within amoeba	No	5	4	SJR	No	Yes, 3 photos.
ECF	101	Lake Olympia-- retention pond 2	N 28 34.003	W 81 31.201	20-Jun-02	Lk. Olympia Club subd.	Stormwater pond discharge to lake; has cement paved road adjacent to it that come near the edge of the lake (see photos).	Possible easement-- Access would be through drainage easement, check to confirm.	OK site if access can be arranged.	PO	L	Levels low; water marks on docks are 4 to 5 ft. above current level.	OL	Within amoeba	No	5	4	SJR	No	Yes, 3 photos.

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Priority Area	Site No.	Site Name	Latitude	Longitude	Date Visited	Location Notes	Site Conditions	Access	Site Quality	Sentinel Site Rating	Habitat	Hydrologic Condition	MFL Site Rating	Location within Drawdown Contour?	Within CONSERV?	Sentinel Site Ranking	MFL Site Ranking	WMD	CUP Site	Photos
ECF	102	Lake Olympia--private park	N 28 34.341	W 81 31.421	20-Jun-02	Lk. Olympia Club subd.	Private (neighborhood) park @ Hercules Court & Hawthorne Cove, playground, grassed areas, pond, boardwalk and dock.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L	Levels low; water marks on docks are 4 to 5 ft. above current level.	GL	Within amoeba	No	5	3	SJR	No	Yes, 2 photos.
ECF	103	Sinkhole South of Olympia	N 28 23.773	W 81 31.242	20-Jun-02	Sinkhole pond along White Rd.	Site was also visited in January 2002.	No apparent public access, access would have to be arranged; but roadway is immediately adjacent to sinkhole.	OK site if isolated site in the area is needed.	NO	L	Levels L to M. No standing water, water marks on telephone poles (see photos) at 3 ft.	OML	Within amoeba	No	6	5	SJR	No	Yes, 3 photos.
ECF	104	Lake Olympia--retention pond 3	N 28 34.053	W 81 31.527	20-Jun-02	Pond on W. side of lake, along Coastal Circle.	Retention pond and sinkhole pond adjacent to lake.	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	L	Levels low; water marks on docks are 4 to 5 ft. above current level.	OL	Within amoeba	No	6	4	SJR	No	Yes, 1 photo.
ECF	105	Lake Olympia--retention pond 4	N 28 34.178	W 81 31.753	20-Jun-02	Retention ponds in subd.	Other retention ponds in subd.	No apparent public access, access will have to be arranged.	OK site if access can be arranged.	NO	L	Levels low; water marks on docks are 4 to 5 ft. above current level.	OL	Within amoeba	No	6	4	SJR	No	No photo.
ECF	106	Lake Starke--retention pond easement	N 28 34.059	W 81 32.013	20-Jun-02	Admiral Point subd.	Small park and boat ramp with adjacent pair of retention ponds near lake; high water connection to Lk. Olympia.	Possible easement for mitigation plantings on edge of ponds may provide access.	Good site if access can be arranged, but Site No. 101 is better.	PG	L	Levels M, check on drainage wells.	GM	Within amoeba	No	4	4	SJR	No	Yes, 9 photos.
ECF	107	Lake Prairie Vista	N 28 33.776	W 81 32.064	20-Jun-02	White Rd.	Canal connection to Lk. Starke; private park at SE corner between road and lake.	No apparent public access; access would have to be arranged, park is private.	Marginal site, site 101 is better.	NM	L	Levels low; water marks on docks are 4 to 5 ft. above current level.	ML	Within amoeba	No	6	6	SJR	No	No photo.

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ECF	108	Spring Lake @ Ocoee retention pond # 22	N 28 34.716	W 81 31.178	20-Jun-02	Lake to W. of Clarke Rd and N. of CR438, Ocoee. Parking lot with sidewalk to lake.	City of Ocoee's retention pond # 22 adjacent to parking area and lake.	No apparent public access, access will have to be arranged. Site # 109 is better location.	OK site if access can be arranged.	NO	L	Levels M within 3 ft of water marks.	OM	Within amoeba	No	6	5	SJR	No	Yes, 1 photo.
ECF	109	Spring Lake @ Silver Glen Park	N 28 34.788	W 81 31.211	20-Jun-02	Park in Silver Glen subd. S. side of lake, Ocoee.	Lorne says that this site is on Winter Garden's monitoring list. Half of shoreline of lake is undeveloped; park has width of about 100 m; some areas of intact littoral vegetation on edges of park.	Excellent, city park.	Excellent site, City park.	EE	U, L	Levels M within 3 ft of water marks.	EM	Within amoeba	No	1	4	SJR	No	Yes, 4 photos.
ECF	110	Lake Johio-- gazebo	N 28 34.665	W 81 30.812	20-Jun-02	Willows on the Lake subd.	This lake is on OUC's list #5293). Commons area/ park adjacent to the lake with boardwalk and gazebo. In January we had visited a commons area next to the Lk. In another subdv.	OUC will have to arrange access.	CUP site for OUC.	CUP	L	Levels M to H, within 1 ft of water stain marks on gazebo piers, but these are relatively new....so marks may reflect long term average.	CMH	Within amoeba	No	7	4	SJR	No	Yes, 7 photos.
ECF	111	Lake Johio-- playground	N 28 34.537	W 81 30.749	20-Jun-02	Willows on the Lake subd.	This lake is on OUC's list #5293). Commons area/ park adjacent to the lake with boardwalk and gazebo. In January we had visited a commons area next to the Lk. In another subdv.	OUC will have to arrange access.	CUP site for OUC.	CUP	U, L	Levels M to H, within 1 ft of water stain marks on gazebo piers, but these are relatively new....so marks may reflect long term average.	CMH	Within amoeba	No	7	4	SJR	No	Yes, 1 photo.
ECF	112	Lake Lucy--	N 28 34.331	W 81 29.785	6/20/2002	Lk. Lucy	Site visited in January	Possible easement--	Excellent	PE	L, M	Levels very	EVL	Within	No	3	1	SJR	No	Yes, 2 photos. 6

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		retention swale at monitor well			1/10/2002	Drive on S. side.	also. Monitor well on grassed retention swale between road and lake. Lake basin dry, as it was in January; no standing water, scattered line so dead trees???	Access would have to be arranged, but we assume that can be done through a drainage easement for the swale.	site, another dry basin in the Crooked Lk area.			low, like other lakes in the Crooked Lk. area.		amoeba							additional photos taken on 1/10/02.
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ECF	113	Lake Florence	N 28 34.258	W 81 30.120	6/20/2002 1/10/2002	Lk. Florence blvd. on N. side. Lake Florence off Lake Florence Rd.	Site visited in January. Lorne says that there may be drainage wells on W. side; lake and marsh in several connected basins. Room for upland wells between the pond and road. OUC Monitoring Site #3159.	No apparent public access; access would have to be arranged, but physically access is easy from the road.	Good site if access can be arranged.	CUP	L, M	Levels low, like other lakes in the Crooked Lk. Area but some standing water left in the deeper areas, so not as dry as Lucy; water in largest basin is about 6 ft. below water mark on dock.	GL	Within amoeba	No	7	3	SJR	Permit #3159	Yes, 1 photo. Plus 5 more photos taken on 1/10/02.	
ECF	114	Lake Stanley-- Retention pond # 17 & 11	N 28 34.987	W 81 30.132	20-Jun-02	Parkside subd. Lake Stanley off Cedar Bluff Ln.	Lake is on OUC's monitoring list; RP # 11 adjacent to lake; golf holes along the edge of water on far side, very odd. Water remains in center area; portions of the shoreline modified by homeowners. OUC Monitoring Site #5293.	OUC will have to arrange access.	Good site.	CUP	L, M	Levels low.	GL	Within amoeba	No	7	3	SJR	Permit #3159	Yes, 4 photos.	
ECF	115	Sinkhole Pond	N 28 33.480	W 81 30.594	20-Jun-02	Sinkhole pond.	Sinkhole pond.	Possible easement-- Retention area adjacent to lake may have drainage easement.	Good site-- Lorne considers this a good site.	PG	P	Levels low.	GL	Within amoeba	No	4	3	SJR	No	No photo.	

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ECF	116	Peach Lake @ Russell Park	N 28 35.068	W 81 31.794	20-Jun-02	Park in Twin Lakes subd.	Upland grassed areas with clumps of live oaks, sloping down to water.	Possible easement access neighborhood through park.	Good site if access can be arranged.	PG	U, L	Levels M, about 3 ft below high water marks.	GM	Within amoeba	No	4	4	SJR	No	No photo.
ECF	117	Lake Alden	N 28 42.009	W 81 32.081	20-Jun-02	Errol Estates area, N. of Apopka.	The Courtyards subd. & golf course; clubhouse overlooks the N. end of lake.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L	Levels L to M.	GML	Within amoeba	No	5	4	SJR	No	No photo.
ECF	118	Wolf Lake (complex)	N 28 43.663	W 81 32.058	20-Jun-02	Adjacent to Ponkan Rd, N. Of Apopka.	Water in center basin, at high water times the basins would be interconnected.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels L to M.	GML	Within amoeba	No	5	4	SJR	No	No photo.
ECF	119	Lake Anne @ retention pond	N 28 41.380	W 81 32.791	20-Jun-02	Adjacent to US 441 in Apopka.	Retention pond behind Plymouth Woodshed restaurant, shoreline disturbed.	Possible easement-- Retention area adjacent to lake may have drainage easement.	Marginal site, okay site for water levels only.	PM	L	Levels low, water stains 5 ft above current level.	ML	Within amoeba	No	6	6	SJR	No	No photo.
ECF	120	Lake Moxie @ retention pond	N 28 34.912	W 81 32.054	20-Jun-02	N. of Starke Lk. In Ocoee, retention pond near Juarez St.	Sidewalk access to pond back of pond, backing up to lake; park area at edge of lake below the pond; park extends down to the lake.	Possible easement access neighborhood through park.	Good site if access can be arranged.	PG	L, U	Levels L to M.	GML	Within amoeba	No	4	4	SJR	No	Yes, 3 photos.
ECF	121	Lake Pearl @ Errol Estates	N 28 41.432	W 81 32.180	20-Jun-02	S. end of Errol Estates	Small, circular pond at S entrance to Errol Estates; water remains in center, rest of the depression is grassed; pond receives stormwater inflows.	No apparent public access; access would have to be arranged, but physically access is easy from the road.	Marginal site, disturbed site, low habitat value.	NM	P	Levels low.	ML	Within amoeba	No	6	6	SJR	No	Yes, 3 photos.
ECF	122	Marshall Lake on Lake Doe Blvd.--RP	N 28 40.809	W 81 32.048	20-Jun-02	Doe Lake Blvd., Apopka.	Retention pond at edge of lake, paved road on one side that around to back for good access	Possible easement-- Retention area adjacent to lake may have drainage easement.	Good site if access can be arranged.	PG	P, M	Levels low. Upper part of a series of connected lake and pond basins that eventually flow to Lake Apopka.	GL	Within amoeba	No	4	3	SJR	No	Yes, 3 photos.

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ECF	123	Lower Lake Doe-- Retention pond @ pump station # 35	N 28 40.595	W 81 32.233	20-Jun-02	Doe Lake Blvd., Apopka.	Retention pond at Pump Station # 35; No standing water looks like an old field, may be connected to Lk. Marshall at high water; connected to Upper Doe at high water.	Possible easement-- Retention area adjacent to lake may have drainage easement.	Good site if access can be arranged.	PG	P, M	Levels very low, looks like old field; part of a series of connected lake and pond basins that eventually flow to Lake Apopka.	GVL	Within amoeba	No	4	2	SJR	No	Yes, 3 photos.
ECF	124	Upper Lake Doe-- Retention pond on cul de sac	N 28 40.668	W 81 32.342	20-Jun-02	Doe Lake Blvd., Apopka.	Retention pond at end of cul du sac; Upper and Lower lakes connected at high water by marsh; most of shoreline is undeveloped but construction is ongoing in area.	Possible easement-- Retention area adjacent to lake may have drainage easement.	Good site if access can be arranged.	PG	P, M	Levels very low, looks like old field; part of a series of connected lake and pond basins that eventually flow to Lake Apopka.	GVL	Within amoeba	No	4	2	SJR	No	Yes, 2 photos.
ECF	125	Lake-- Country Landing Subd.-- retention pond on cul de sac	N 28 40.870	W 81 32.091	20-Jun-02	Country Landing Blvd., Country Landing Subd. In Apopka.	Retention pond and park on small lake in subd. To NW of Lk. Marshall; small park at end of cul du sac; standing water, some patches of willow and shrubs, littoral emergents; some residences have lawns extending to edge of lake.	Possible easement-- Retention area adjacent to lake may have drainage easement. Also, park provides access, but it is likely owned by a neighborhood group like a homeowners association.	OK site if access can be arranged.	PO	P, M	Levels M to H.	OMH	Within amoeba	No	5	5	SJR	No	Yes, 5 photos.
ECF	126	Lake Fuller-- marsh and lake	N 28 39.738	W 81 31.573	20-Jun-02	Ocoee Apopka Rd (CR 437), Apopka.	Lake adjacent to CR 437, retention ponds between road and lake; open water with fringing littoral marsh.	Possible easement-- FDOT retention area adjacent to lake may have drainage easement.	Good site if access can be arranged.	PG	L, M	Levels M. Lake connects to same drainage system as Marshall and Doe Lakes, eventually flowing to Apopka.	GM	Within amoeba	No	4	4	SJR	No	Yes, 2 photos.

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ECF	127	Lake Heiniger	N 28 40.940	W 81 32.775	21-Jun-02	Orange Ave (CR 437), NW of Apopka.	Edge of lake is adjacent to road, pipe under road connects to Sheppard Lake to the E.; most of shoreline is undeveloped.	No apparent public access; access would have to be arranged, but physically access is easy from the road.	Not a good site.	NN	P	Levels M, connected to Sheppard.	NM	Within amoeba	No	6	7	SJR	No	Yes, 1 photo.
ECF	128	Lake Sheppard--YMCA Camp Wewa	N 28 40.925	W 81 32.732	21-Jun-02	Orange Ave (CR 437), NW of Apopka.	Immediately E. of Lk. Heiniger on YMCA Camp Wewa, we could not get access to lake.	No apparent public access; access would have to be arranged through YMCA.	Marginal site, did not inspect.	NM	L	Levels M; connected to Heiniger.	MM	Within amoeba	No	6	6	SJR	No	No photo.
ECF	129	Clear Water Lake	N 28 40.421	W 81 32.917	21-Jun-02	Orange Ave (CR 437), NW of Apopka.	S. of Heinigert and Sheppard; lake immediately adjacent to road; mottled ducks; looks to be all private property surrounding the lake; isolated.	No apparent public access; access would have to be arranged, but physically access is easy from the road.	Good site if access can be arranged.	NG	L	Levels low; 5+ ft below high water level; standing water still present in the basin.	GL	Within amoeba	No	5	3	SJR	No	Yes, 2 photos.
ECF	130	Mud Lake--YMCA Camp Wewa	N 28 40.723	W 81 32.831	21-Jun-02	Orange Ave (CR 437), NW of Apopka.	Backs up on Camp Wewa; small pond, basin is dry, no standing water, looks like old field.	No apparent public access; access would have to be arranged through YMCA.	OK site if access can be arranged.	NO	P, M	Levels very low, dry, no standing water.	OVL	Within amoeba	No	6	3	SJR	No	Yes, 1 photo.
ECF	131	Lake Standish (OUC's list)	N 28 42.151	W 81 32.851	21-Jun-02	Plymouth Landing subd., Plymouth.	On OCU's monitoring list; no standing water visible; limited development; mosaic of shrubs and emergent marsh; retention pond next to greenhouses.	OUC site; Possible easement--Retention area adjacent to lake may have drainage easement.	Good site if access can be arranged, OUC CUP site.	CUP	P, M	Levels very low, dry, no standing water.	GVL	Within amoeba	No	7	2	SJR	No	Yes, 3 photos.
ECF	132	Apopka--NW Recreation Area	N 28 43.822	W 81 32.669	21-Jun-02	N. of Ponkan Rd.	Uplands area to north of lakes along Ponkan Rd. (Wolf Merrill, etc.).Wolf	Excellent, City owned property.	Good site in upland.	EG	U	Upland.	GU	Within amoeba	No	2	7	SJR	No	Yes, 3 photos.
ECF	133	Fox Lake--retention pond Rock Springs Ridge Subd.	N 28 44.491	W 81 30.722	21-Jun-02	Rock Springs Ridge Subd.; corner of Rock Ridge Blvd. And Columbia Court.	Small lake next to retention pond in subd.;no standing water, looks like shallow emergent marsh with scattered willows, shrubs, redroot is common, also some blackberry.	Possible easement--Retention area adjacent to lake may have drainage easement.	OK site if access can be arranged.	PO	P, M	Levels low, no standing water.	OL	Edge of amoeba	No	5	4	SJR	No	Yes, 4 photos.

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ECF	134	Baptist Camp Pond	N 28 45.841	W 81 30.381	21-Jun-02	Pond W. side of Baptist Camp Rd.	Flatwoods pond surrounded by oak and pine; center is buttonbush, Rhexia, and Panicum; upper edges have sand cordgrass, Vaccinium myrsinites, with persimmon encroaching. A second isolated pond with intact forest border, may be county owned; trail access off of road; another lobe is sawgrasses and willow, buttonbush; organic matter in surface horizon; remnant fern hummocks...oxidized ??? Gopher tortoise burrows and signs of fire.	Possible public ownership--Some of the area may be county owned land, this needs to be confirmed.	Good site if access can be arranged.	PG	P, M, U	Levels low, no standing water.	GL	Outside amoeba	No	4	3	SJR	No	Yes, 6 photos.
ECF	135	Lake Lerla @ drainage easement	N 28 46.131	W 81 31.251	21-Jun-02	Lake Lerla Drive.	Drainage easement to retention pond that spills into the lake basin; vegetation is ugly mess of willows, many of which are dead; rest looks like old field thicket; center is Panicum marsh with elderberry, willow and blackberry; upper 4 to 10 inches of soil is organic; looks a lot like Lk. Prevatt.	Possible easement-- Via the drainage easement and retention pond.	Good site if access can be arranged.	PG	P, M, U	Levels very low, no standing water, organic soils exposed. Lorne says that residents had complaints about low water levels in 1998.	GVL	Outside amoeba	No	4	2	SJR	No	Yes, 3 photos.
ECF	136	Neighborhood Lakes--RP in Oak Springs MHP	N 28 42.217	W 81 31.712	21-Jun-02	Oak Springs Mobile Home Park.	Drainage easement at Hillsborough Dr.; Mowed marsh system on edge of MHP; tallow thickets, dry marsh with Panicum/dogfennel flats; some OM in surface horizon; looks like Lk. Lerla.	Possible easement -- several drainage easements along Hillsborough.	Good site if access can be arranged.	PG	P, M, U	Levels very low, no standing water, organic soils exposed.	GVL	Within amoeba	No	4	2	SJR	No	Yes, 4 photos.
ECF	137	Mt Plymouth Lake Park	N 28 48.509	W 81 31.372	21-Jun-02	E.side of lake on W. end of Sandwich Place.	Undeveloped area labeled as park in street atlas; dirt road ends at edge of lake; dry marsh/prairie; no visible standing water.	Possible public ownership--Access is good if land is actually in public ownership; confirm this.	Excellent site if access can be arranged.	EE	P, M, U	Levels very low, no standing water, organic soils exposed.	EVL	Outside amoeba	No	1	1	SJR	No	Yes, 5 photos.

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ECF	138	Seminole State Forest--flatwoods pond	N 28 48.833	W 81 30.604	21-Jun-02	Seminole St. Forest.	Depressions with willow, Panicum, elderberry, broomsedge, and dogfennel; dry, no standing water.	Excellent, state owned land.	Excellent site	EE	P, M, U	Levels low, no standing water.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 1 photo for the group of flatwoods ponds, Sites 138 to 143.
ECF	139	Seminole State Forest--flatwoods pond	N 28 48.869	W 81 30.707	21-Jun-02	Seminole St. Forest.	Depressions with willow, Panicum, elderberry, broomsedge, and dogfennel; dry, no standing water.	Excellent, state owned land.	Excellent site	EE	P, M, U	Levels low, no standing water.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 1 photo for the group of flatwoods ponds, Sites 138 to 143.
ECF	140	Seminole State Forest--flatwoods pond	N 28 48.959	W 81 30.753	21-Jun-02	Seminole St. Forest.	Depressions with willow, Panicum, elderberry, broomsedge, and dogfennel; dry, no standing water.	Excellent, state owned land.	Excellent site	EE	P, M, U	Levels low, no standing water.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 1 photo for the group of flatwoods ponds, Sites 138 to 143.
ECF	141	Seminole State Forest--flatwoods pond	N 28 49.085	W 81 30.800	21-Jun-02	Seminole St. Forest.	Depressions with willow, Panicum, elderberry, broomsedge, and dogfennel; dry, no standing water.	Excellent, state owned land.	Excellent site	EE	P, M, U	Levels low, no standing water.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 1 photo for the group of flatwoods ponds, Sites 138 to 143.
ECF	142	Seminole State Forest--flatwoods pond	N 28 49.288	W 81 30.733	21-Jun-02	Seminole St. Forest.	Depressions with willow, Panicum, elderberry, broomsedge, and dogfennel; dry, no standing water.	Excellent, state owned land.	Excellent site	EE	P, M, U	Levels low, no standing water.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 1 photo for the group of flatwoods ponds, Sites 138 to 143.
ECF	143	Seminole State Forest--flatwoods pond	N 28 49.432	W 81 30.738	21-Jun-02	Seminole St. Forest.	Depressions with willow, Panicum, elderberry, broomsedge, and dogfennel; dry, no standing water.	Excellent, state owned land.	Excellent site	EE	P, M, U	Levels low, no standing water.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 1 photo for the group of flatwoods ponds, Sites 138 to 143.
ECF	144	Seminole State Forest--Swamp	N 28 48.936	W 81 29.946	21-Jun-02	SR 46 at Seminole SF.	Headwater maple and mixed hardwood swamp adjacent to SR 46; groundcover of ferns (royal fern, chain fern, netted chain fern); gasoline ROW on S. side of wetland prevents overflow to S.; no standing water, larger trees on hummocks.	Excellent, state owned land.	Excellent site	EE	S, U	Levels low, no standing water. Headwater swamp for small tributary that eventually flows north to Seminole creek.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 4 photos.

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ECF	145	Rock Springs Run State Park--ponds	N 28 48.473	W 81 27.393	21-Jun-02	Park entrance area.	Wetland depression on W. side of entrance road; spadefoot toads; dog fennel/old field cover; part of a complex of wetlands that are connected at high water.	Excellent, state owned land.	Excellent site and other wetlands are found within the park.	EE	P, M, U	Levels low, no standing water visible.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 2 photos.
ECF	146	Rock Springs Run State Park--ponds	N 28 48.126	W 81 27.396	21-Jun-02	Park entrance area.	Wetland depression on W. side of entrance road; spadefoot toads; dog fennel/old field cover; part of a complex of wetlands that are connected at high water.	Excellent, state owned land.	Excellent site and other wetlands are found within the park.	EE	P, M, U	Levels low, no standing water visible.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 2 photos.
ECF	147	Rock Springs Run SP--bayhead	N 28 47.558	W 81 27.023	21-Jun-02	Off of main entrance road.	Bayhead split by the road just south of the marsh complex (site 146)	Excellent, state owned land.	Excellent site and other wetlands are found within the park.	EE	S, U	Levels low, standing water limited to the lowest areas.	EL	Outside amoeba	No	1	2	SJR	No	No photo.
ECF	148	Seminole Spring Headwater Swamp	N 28 50.551	W 81 31.739	21-Jun-02	Adjacent to SR 46.	Forested wetland that is headwater to Seminole Spring; red maple and mixed hardwood canopy. Hydrologically the system has periodic outflow.	Possible public ownership--area listed as a potential acquisition.	Good site if access can be arranged.	EG	S, U	Levels low, standing water limited to the lowest areas.	GL	Outside amoeba	No	2	3	SJR	No	Yes, 4 photos.
ECF	149	Lake Norris area--Ebersole Road Wetland	N 28 55.435	W 81 32.069	21-Jun-02	Ebersole Rd. due W of Bay Lk.	Small isolated wetland adjacent to road; willow, maple, elderberry; powerline crosses wetland.	No apparent public access--access would have to be arranged, but physical access is easy form the road.	OK site if access can be arranged.	NO	S	Levels M. Isolated basin.	OM	Outside amoeba	No	6	5	SJR	No	No photo.
ECF	150	Lk Norris area--Bay Lake	N 28 55.569	W 81 31.563	21-Jun-02	Ebersole Rd.	North and E shores undeveloped with intact littoral marsh and forested border.	No apparent public access--access would have to be arranged, but physical access is easy form the road.	Good site if access can be arranged.	NG	L, M	Levels M, lichen lines 1.5 to 2 ft above current level. Lake has an outflow to Blackwater Creek system.	GM	Outside amoeba	No	5	4	SJR	No	Yes, 5 photos.

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ECF	151	Lake Norris Conservation Area-- bayhead	N 28 54.222	W 81 32.575	21-Jun-02	Lake Norris Rd.	Bayhead swamp, headwater wetland that appears to have an outflow that merges with that coming out of Lk. Norris.	Excellent, state owned land.	Excellent site	EE	S, U	Levels M, swamp appears to have discharge to the Blackwater Creek system.	EM	Outside amoeba	No	1	4	SJR	No	No photo.
ECF	152	Dixie Lake @ Lake Louisa St. Park	N 28 26.459	W 81 44.099	29-Aug-02	Parking lot adjacent to lake.	Cypress forest border to lake, blackwater. Some early browning to leaves of cypress.	Excellent, state park, access from any side.	Excellent site, but has inflow and outflow.	EE	L, M, S, U	Levels M, lake has artificial popoff to Lk Louisa. Water extended back in the fringing swamp; lichen lines on cypress about 2+ ft above current level. Also, observed water flowing into Dixie through wetland strand to S.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	1	4	SJR	No	Yes, 4 photos.
ECF	153	Wetland near Dixie Lake @ Lake Louisa St. Park	N 28 26.659	W 81 44.155	29-Aug-02	Parking lot adjacent to lake.	Small depression wetland due N of Dixie. Cypress and willow-shrub and emergent marsh center. Standing water is present.	Excellent, state park, access from any side.	Good site.	EG	S, U	Level M to H. At high water wetland has outflow to Lk Louisa. Level 1 ft below lichen line on trees.	GMH	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	2	4	SJR	No	Yes, 2 photos.

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ECF	154	Hammond Lake @ Lake Louisa St. Park	N 28 26.001	W 81 43.519	29-Aug-02	S of Dixie, camp ground under construction adjacent to lake.	open water areas fringed by emergent marsh and cypress.	Excellent, state park, access from any side.	Excellent site, has high water outflow on W side.	EE	L, S, U	Levels M, appear to be lower than Lk Dixie; does not appear to have an inflow, but looks like it may have a high water popoff. Road crossing at presumed popoff lacked a culvert.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	1	4	SJR	No	Yes, 2 photos.
ECF	155	Wetland south of Hammond L. @ Lake Louisa St. Park	N 28 25.396	W 81 43.651	29-Aug-02	S of Hammond.	Pond and marsh complex, part of which may be excavated to create pond.	Excellent, state park.	Good site, part of complex of wetlands that drain to Lk. Louisa.	EG	P, M, S, U	Levels H, within 0.25 ft of lichen lines, outflow may be blocked.	GH	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	2	4	SJR	No	Yes, 1 photo.
ECF	156	Marsh/pond @ Lake Louisa St. Park	N 28 25.381	W 81 44.020	29-Aug-02	S of Hammond.	Marsh/pond complex.	Excellent, state park.	Excellent site small marsh/pond.	EE	P, M, U	Levels M.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	1	4	SJR	No	Yes, 1 photo.
ECF	157	Marsh/pond @ Lake Louisa St. Park	N 28 25.286	W 81 44.007	29-Aug-02	S of Hammond.	Marsh/pond complex.	Excellent, state park.	Excellent site small marsh/pond.	EE	P, M, U	Levels M.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	1	4	SJR	No	Yes, 1 photo.
ECF	158	Marsh/pond @ Lake Louisa St. Park	N 28 25.205	W 81 43.934	29-Aug-02	S of Hammond.	Marsh/pond complex.	Excellent, state park.	Excellent site small marsh/pond.	EE	P, M, U	Levels M.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	1	4	SJR	No	Yes, 1 photo.

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ECF	159	Depression north of Dixie Lake @ Lake Louisa St. Park	N 28 26.650	W 81 43.849	29-Aug-02	N of Dixie	Marsh/pond complex.	Excellent, state park.	Excellent site small marsh/pond.	EE	P, M, U	Levels M.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.5 miles.	1	4	SJR	No	No photo.
ECF	160	Depression @ entrance to Lake Louisa St. Park	N 28 27.177	W 81 43.388	29-Aug-02	Adjacent to US 27.	Circular depression adjacent to US 27. Emergent marsh fringing.	Excellent, state park.	Excellent site	EE	P, M, U	Levels M, up to emergents on edge; isolated.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.25 miles.	1	4	SJR	No	Yes, 1 photo.
ECF	161	Triple depression on US 27 @ Lake Louisa St. Park	N 28 26.737	W 81 43.282	29-Aug-02	Adjacent to US 27.	Small lake with multiple depressions adjacent to US 27. Emergent marsh fringing.	Excellent, state park.	Excellent site	EE	P, M, U	Levels M, up to emergents on edge; isolated.	EM	Outside amoeba	Not directly, but CONSERV irrigated groves are on the E side of US 27, within 0.25 miles.	1	4	SJR	No	Yes, 3 photos.
ECF	162	Trout Lake on US 27 E of L. Louisa	N 28 26.894	W 81 43.146	29-Aug-02	US 27 across (E) of Lk Louisa SP.	See other entry for Trout Lake.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L	Levels M, up to emergents on edge. Isolated.	GM	Outside amoeba	Surrounded by CONSERV II groves.	5	4	SJR	No	Yes, 3 photos.
ECF	163	Marsh east of Lake Louisa & US 27	N 28 27.820	W 81 42.910	29-Aug-02	US 27 across (E) of Lk Louisa SP.	Water lilies and mixed emergents.	No apparent public access, access will have to be arranged.	OK site.	NO	M	Levels M.	OM	Outside amoeba	Surrounded by CONSERV II groves.	6	5	SJR	No	No photo.
ECF	164	Grassy Lake @ Quail Valley	N 28 35.474	W 81 44.479	29-Aug-02	Quail Valley Subd.	Standing water still present in low areas, but rest of basin is emergent marsh and Hypericum fasc.	Possible easement-- Access via drainage easements--Lorne says this should be easy to work out.	Good site if access can be arranged.	PG	L, M	Levels low, standing water only in the few depressions.	GL	Within amoeba	No	4	3	SJR	No	Yes, 3 photos.
ECF	165	Lake east of L. Apsheva	N 28 36.097	W 81 46.030	29-Aug-02	Minneola, Oak Valley Subdivision. East of E. Apsheva Rd.	Unnamed lake basin, on the Clermont's CUP list, just E of Lk Apsheva. Dry basin with dog fennel and maidencane edge below the live oak line.	Clemont's CUP list; Possible easement-- Access via drainage easements.	Good site.	CUP	L	Levels very low. Dry, no standing water.	GVL	Edge of amoeba	No	7	2	SJR	App #2478	Yes, 2 photos.

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ECF	166	Marsh SE of Apshewa	N 28 35.654	W 81 45.954	29-Aug-02	Near (SE) of Apshewa	Sinkhole depression marsh, no standing water.	Possible easement-- Access via powerline transmission ROW.	OK site.	PO	P	Levels very low; dry, no standing water.	OVL	Within amoeba	No	5	3	SJR	No	Yes, 1 photo.
ECF	167	Clear Lake on Clear Lake Dr.	N 28 36.152	W 81 47.279	29-Aug-02	West of Apshewa.	On Clear Lake Drive, west of Lk Apshewa. Emergent fringe, mostly cattail.	No apparent public access, may be a problem.	Good site if access can be arranged.	NG	L, M	Levels M (see photos)	GM	Within amoeba	No	5	4	SJR	No	Yes, pan of 3 photos.
ECF	168	Marsh on Libby Rd. No. 3	N 28 37.751	W 81 46.640	29-Aug-02	Libby Road	East end of road next to American Holtzkraft, Inc. Some standing water present, but looks more like a marsh than a pond. Cattail and mixed emegents, dog fennel border, and mowed grass on upland edge.	No apparent public access, access will have to be arranged.	OK site.	NO	P, M	Levels L to M. Topo map show a canal connection to Schoolhouse Lk.	OM	Within amoeba	No	6	5	SJR	No	Yes, 3 photos.
ECF	169	Water lily pond	N 28 37.867	W 81 46.642	29-Aug-02	Libby Road	Water lily pond.	No apparent public access, access will have to be arranged.	Marginal site.	NM	P	Levels M.	MM	Within amoeba	No	6	6	SJR	No	No photo.
ECF	170	Deacon Lake on S. Libby Rd.	N 28 37.120	W 81 47.601	29-Aug-02	South Libby Rd.	Central pool with wide littoral border of graminoids, shoreline mostly undeveloped.	No apparent public access, private property, but accessible from road.	Good site if access can be arranged.	NG	L, M	Levels M, 3 to 4 ft below pines on edge.	GM	Within amoeba	No	5	4	SJR	No	Yes, pan of 3 photos.
ECF	171	Long Lake on S. Libby Rd.	N 28 36.695	W 81 47.575	29-Aug-02	End of South Libby Rd., Groveland FL	Good site if access can be worked. Cattail and dogfennel border to small elongate water body, surrounding land is grove and abandoned grove converted to pasture	No apparent public access; good site if access can be worked. Wetland edge is within 200 ft of road.	Good site if access can be arranged.	NG	L, M	Levels M, cattail edge is wet.	GM	Edge of amoeba	No	5	4	SJR	No	Yes, single.
ECF	172	School House Lake & Marsh	N 28 36.950	W 81 47.504	29-Aug-02	Libby Road	Lake and marsh complex with series of interconnected marshes and ponds. Uplands are mix of patches of oak forest and pasture.	No apparent public access; excellent site if access can be worked.	Excellent site	NE	L, M	Levels low. No standing water visible from road.	EL	Within amoeba	No	4	2	SJR	No	Yes, two photos.
ECF	173	Sam's Lake	N 28 36.869	W 81 48.149	29-Aug-02	West Libby Rd.	Immediately SW of Deacon Lk. Adjacent to road, surrounding uplands were groves but are not going into expensive housing.	No apparent public access; access from roadside, but may require easement.	Good site if access can be arranged.	NG	P, M	Levels M, littoral edge is wet. Isolated basin.	GM	Within amoeba	No	5	4	SJR	No	Yes, pan of 3 photos.

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ECF	174	Sinkhole pond on Libby Rd. No. 3	N 28 37.394	W 81 48.102	29-Aug-02	Libby Road NO. 3	Due N of Sam's Lake, adjacent to road. Steeply inclined sinkhole basin.	No apparent public access; good site if access can be worked. Wetland edge is within 200 ft of road.	Good site if access can be arranged.	NG	P	Levels M.	GM	Within amoeba	No	5	4	SJR	No	Yes, 1 photo.
ECF	175	Marsh/pond on S. O'Brien	N 28 37.526	W 81 48.851	29-Aug-02	N of Libby Rd No. 3	Central pool with mixed emergents on edge.	No apparent public access; access from roadside, but may require easement.	Good site if access can be arranged.	NG	P	Levels L to M, 2 to 3 below wetland edge.	GML	Within amoeba	No	5	4	SJR	No	Yes, 2 photos.
ECF	176	Indian House Lake	N 28 37.660	W 81 49.438	29-Aug-02	Along SR 19.	Great site--Two lake basins separated by SR 19. Large Circuit City shipping warehouse on N side off of SR 19. East lake has forested border, some pools, and Hypericum/Rhynchospora marshes.	Possible easement--Excellent site, access from road, also stormwater facility adjacent to lake at the warehouse.	Excellent site	PE	P, M, L	Levels L to M, 2 to 3 below wetland edge.	EML	Within amoeba	No	3	3	SJR	No	Yes.
ECF	177	Indian House Lake @ culvert between lakes	N 28 37.502	W 81 49.471	29-Aug-02	SR 19	Great site--Two lake basins separated by SR 19. Large Circuit City shipping warehouse on N side off of SR 19. East lake has forested border, some pools, and Hypericum/Rhynchospora marshes.	Possible easement; access from roadside, but may require easement.	Excellent site	PE	P, M, L	Levels L to M; box culvert connecting two sections.	EML	Within amoeba	No	3	3	SJR	No	Yes.
ECF	178	L. Desire on Lake Emma Rd.	N 28 36.729	W 81 50.552	29-Aug-02	Lake Emma Rd.	Isolated lake, lobe at SW adjacent to road. Intact shoreline vegetation in some places.	No apparent public access; access from roadside, but may require easement. Stormwater inflow through box culvert.	Good site if access can be arranged.	NG	L, M	Levels M to H, 1 ft below water marks on dock.	GMH	Edge of amoeba	No	5	4	SJR	No	Yes, pan of 4 photos.
ECF	179	Small lake adjacent to SR 19	N 28 36.623	W 81 49.949	29-Aug-02	East side of SR 19	Small lake just S of Lake Emma Rd.	No apparent public access; good site--access from roadside, but private property, so will require easement.	Good site if access can be arranged.	NG	P	Levels M.	GM	Within amoeba	No	5	4	SJR	No	Yes, 2 photos.
ECF	180	Small lake adjacent to SR 19	N 28 36.022	W 81 50.362	29-Aug-02	East side of SR 19	Small lake E of Lake Lucy.	No apparent public access; good site--access from roadside, but private property, so will require easement.	Good site if access can be arranged.	NG	P	Levels M.	GM	Edge of amoeba	No	5	4	SJR	No	Yes, 2 photos.

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ECF	181	Trout Lake @ SR 19 & 455	N 28 40.250	W 81 46.750	29-Aug-02	At junction of SR 19 & CR 455.	Good site if access can be worked. SJR maps show public land adjacent, however it was private property.	No apparent public access; good site if access can be worked. Resolve the public land issue. Otherwise, access from roadside, but may require easement.	Good site if access can be arranged.	NG	L	Levels M, water marks @ + 1.5 to 2 ft. below high water marks.	GM	Within amoeba	No	5	4	SJR	No	Yes, 1 photo.
ECF	182	Montgomery L. W of Buckhill Rd.	N 28 36.176	W 81 45.878	29-Aug-02	West of Buckhill Rd.	Group of interconnected basins, the easternmost is adjacent to Buckhill Rd.	No apparent public access; access from roadside in east, but may require easement.	Good site if access can be arranged.	NG	P, M, L	Levels M, this basin connects on NW to other parts of lake. Lake itself appears to flow into Little Everglades and then Palatlkaha.	GM	Within amoeba	No	5	4	SJR	No	No photo.
ECF	183	Horseshoe Lake	N 28 38.690	W 81 45.611	29-Aug-02	East of Lk Montgomery	Closed basin of several pools with interconnected marshes. No standing water.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	CUP	P, M, L	Levels very low. Basin dry, no standing water.	GVL	Within amoeba	No	7	2	SJR	Permit #3159	No photo.
ECF	184	Wilma Lake E of Clermont	N 28 32.424	W 81 43.723	30-Aug-02	SR 50&US27	East side of Clermont SE corner of intersection, shrub thicket with tall dogfennel, little standing water.	Possible easement-- Lift station adjacent to edge of East basin (station #E4-13410, phone 394-5588).	Good site if access can be arranged.	PG	P, M, L	Levels very low, little standing water.	GVL	Within amoeba	No	4	2	SJR		Yes, 2 photos.
ECF	185	L. Felter E side of US 27	N 28 31.033	W 81 43.571	30-Aug-02	East side of US 27 near Clermont.	Site is on Clermont's monitoring list.	Clermont's monitoring list.	CUP City of Clermont	CUP	M, L	Levels M.	CM	Edge of amoeba	No	7	4	SJR	App #2478	Yes, pan of 3 photos.
ECF	186	Lost L. N of Felter	N 28 31.984	W 81 42.974	08/30/2002	Greater Pines subd. Off of Hancock Rd.	Some open water in center with a graminoid fringe.	Possible easement-- May be access via any of several stormwater facilities adjacent to lake.	Good site if access can be arranged.	PG	M, L	Levels M.	GM	Within amoeba	Yes	4	4	SJR		Yes, pan of 4 photos.
ECF	187	Lake N of Trout Lake	N 28 27.803	W 81 42.885	30-Aug-02	Unnamed lake N. of Trout, near Clermont, east of Bradshaw Rd.	Site is on Clermont's monitoring list. Surrounded by groves that are irrigated by CONSERV.	Clermont's monitoring list.	CUP site for City of Clermont.	CUP	L	Levels L to M. Pump at N end of lake, so it may be used for grove irrigation.	CML	Outside amoeba	Yes	7	3	SJR	App #2478	Yes, pan of 3 photos.

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ECF	188	Shell Pond Rd. Wetlands	N 28 28.308	W 81 42.583	30-Aug-02	Shell Pond Road, E. side of US 27, near Clermont.	Several small marsh depressions interconnected by wet prairie, but overall system looks to be isolated; single are with standing water and water lilies.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	M, L	Levels very low., little standing water.	GVL	Outside amoeba	Yes	5	2	SJR	No	Yes, pan of 3 photos.
ECF	189	Island Lake on Shell Pond Rd.	N 28 26.898	W 81 41.407	30-Aug-02	Shell Pond Road, E. side of US 27, near Clermont.	Several interconnected basins; upland island in middle; marsh mosaic between the basins, basins have standing water.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L, M, U	Levels L to M; 4 ft. below high water line. Some of the adjacent groves are irrigated with CONSERV.	GML	Outside amoeba	Yes.	5	4	SJR	No	Yes, pan of 4 photos.
ECF	190	Keene Lake on W side of US 27	N 28 25.179	W 81 42.399	30-Aug-02	West side of US 27, S. of Lk. Hammond.	Lake area has some patches of spadderdock, littoral fringe is mostly cattail; groves border the W. side.	No apparent public access; access may have to be arranged, but physical access is easy from side of road. GIS maps show public land adjacent to lake, but this is not apparent.	Good site, outflow connected to other lakes.	NG	L	Levels M ; up to the littoral fringe of cattail.	GM	Outside amoeba	No, but nearby.	5	4	SJR	No	Yes, pan of 2 photos.
ECF	191	Square Lake on E side of US 27	N 28 25.388	W 81 42.336	30-Aug-02	East side of US 27, N. of Frank Jerrell Rd.	West end is a flooded redroot marsh.	No apparent public access; private property; access will have to be arranged, but physical access is easy from side of road.	Good site, outflow connected to other lakes.	NG	M, P	Levels H, connected to Keene via channel, and drains to Sawgrass.	GH	Outside amoeba	No, but nearby.	5	4	SJR	No	Yes, 3 photos.
ECF	192	Boggy Marsh ponds in Hilochee WMA	N 28 24.413	W 81 41.976	30-Aug-02	West side of US 27.	Series of ponds with connecting marshes and stands of pines interspersed; connect to Boggy Marsh, and ultimately to Lk. Louisa.	Excellent access via public land.	Excellent site.	EE	M, L, P, U	Levels M.	EM	Outside amoeba	No, but nearby.	1	4	SJR	No	Yes, pan of 2 photos.
ECF	193	Boggy Marsh @ culvert on Boggy Marsh Rd.	N 28 23.861	W 81 42.254	30-Aug-02	Boggy Marsh Rd.; W. of US 27.	Large forested wetland with flow to north into Lk. Louisa.	Excellent access via public land.	Good site, flow through wetland.	EG	S, U	Levels M to H due to recent rainfall. SJRWMD has set levels in Boggy Marsh.	GMH	Outside amoeba	No, but nearby.	2	4	SJR	No	Yes, 1 photo.

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ECF	194	Pond @ All Seasons MH Park	N 28 22.009	W 81 41.248	30-Aug-02	All Seasons Mobile Home Park.	Isolated pond; mix of open water , cattail and mixed emergents.	No apparent public access; private property; access will have to be arranged, but physical access is easy from side of road.	Marginal site, better sites in the area.	NM	P, M	Levels M.	MM	Outside amoeba	No, but nearby.	6	6	SJR	No	Yes, pan of 3 photos.
ECF	195	Pond @ Boggy Marsh Rd. & SR 474	N 28 22.924	W 81 42.304	30-Aug-02	Pond at NE corner of intersection.	Isolated pond adjacent to Boggy Marsh slough; open water in center, graminoid marsh edge.	No apparent public access; private property; access will have to be arranged, but physical access is easy from side of road.	Marginal site, better sites in the area.	NM	P, M	Levels M to H; very heavy rains the previous evening, levels nearly up to the palmetto line.	MMH	Outside amoeba	No, but nearby.	6	6	SJR	No	Yes, 1 photo.
ECF	196	Peat Lakes in Hilochee WMA	N 28 21.388	W 81 43.958	30-Aug-02	Hilochee Wildlife Management Area.	Lorne thinks that peat may have been excavated out of the lakes; open water areas with fringing bay and mixed hardwoods.	Excellent access via public land.	Excellent site.	EE	P, S	Levels M to high; ditch outflow on E side, but Lorne says this is to be blocked as part of the restoration effort.	EMH	Outside amoeba	No, but nearby.	1	4	SJR	No	Yes, 1 photo.
ECF	197	Pond SW of Peat Lakes	N 28 21.220	W 81 44.451	30-Aug-02	Hilochee Wildlife Management Area.	Isolated pond near Peat Lake.	Excellent access via public land.	Excellent site.	EE	P	Levels M	EM	Outside amoeba	No, but nearby.	1	4	SJR	No	No photo.
ECF	198	Pond NW of Peat Lakes	N 28 21.810	W 81 44.524	30-Aug-02	Hilochee Wildlife Management Area.	Isolated pond near Peat Lake.	Excellent access via public land.	Excellent site.	EE	P	Levels M	EM	Outside amoeba	No, but nearby.	1	4	SJR	No	No photo.
ECF	199	Pond NW of Peat Lakes	N 28 21.727	W 81 44.332	30-Aug-02	Hilochee Wildlife Management Area.	Isolated pond near Peat Lake.	Excellent access via public land.	Excellent site.	EE	P	Levels M	EM	Outside amoeba	No, but nearby.	1	4	SJR	No	No photo.
ECF	200	Cypress dome S of Peat Lakes	N 28 20.971	W 81 43.768	30-Aug-02	Hilochee Wildlife Management Area.	Isolated cypress dome; cypress and blackgum canopy; groundcover of cinnamon fern; fire scars on trunks of trees.	Excellent access via public land.	Excellent site.	EE	S	Levels H, heavy rains the previous evening, standing water extends into adjacent pasture.	EH	Outside amoeba	No, but nearby.	1	4	SJR	No	Yes, 2 photos.

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ECF	201	Jacks Lake	N 28 33.159	W 81 43.797	30-Aug-02	North Ridge Blvd., North Ridge subd. Grand Highway.	Site is on City of Clermont's list; several circular basins interconnected by marshes.	Clermont's list; Possible easement-- Several stormwater facilities overflow into the lake basin.	CUP site for City of Clermont.	CUP	P, M	Levels M to H, within 1.5 to 2 ft of water marks on boat docks.	CMH	Within amoeba	No	7	4	SJR	App #2478	Yes, pan of 4 photos.
ECF	202	Sinkhole pond N of Jacks L.	N 28 33.606	W 81 44.233	30-Aug-02	North of Jack Lake.	Steep sided basin, open water at center with ring of cattail and water lily; closed basin; construction occurring on adjacent uplands.	No apparent public access, access will have to be arranged.	Marginal site, better sites in the area.	NM	P, M	Levels M; pond will likely receive stormwater inflows when development is completed.	MM	Within amoeba	No	6	6	SJR	No	Yes, 1 photo.
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ECF	203	Lake Charles	N 28 33.578	W 81 44.450	30-Aug-02	Between Grand Highway and US 27.	Small basin, water ponded in center, willow thicket surrounds pool; littoral zone of maidencane, sacciolepis, dogfennel outside of willow;	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	P, M	Levels very low. Willow zone has at some surficial muck, muck desiccated along upper edge; levels 3 to 4 ft below the Sacciolepis zone.	GVL	Within amoeba	No	5	2	SJR	No	Yes, two photos, one interior and one exterior.
ECF	204	Plum Lake @ Minneola Cemetery	N 28 34.742	W 81 44.255	30-Aug-02	Minneola Cemetery	Water remaining in deeper basins; levels 3 to 4 feet below water marks on docks; some of the shoreline is undeveloped (S and E sides).	Excellent access through City cemetery.	Good site with good access.	EG	L	Levels L to M, 3 to 4 ft below water marks on docks.	GML	Within amoeba	No	2	4	SJR	No	Yes, pan of 5 photos.
ECF	205	Blacks Still Lake	N 28 34.541	W 81 42.261	30-Aug-02	Black Still lake Rd.	West of Turnpike; shoreline undeveloped.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	L	Levels M; 2 to 3 ft below the high water marks and the littoral fringe.	GM	Within amoeba	No	5	4	SJR	No	Yes, pan of 3 photos.

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ECF	206	Camp Lake	N 28 36.353	W 81 43.676	30-Aug-02	On west side of Turnpike; NE of Grasssy Lake.	Steep sided lake basin visible from Turnpike; basin has been receding for several years, no standing water present; stands of cattail and mixed emergents.	Clemont's list??No apparent public access, access will have to be arranged.	CUP City of Clermont, excellent site.	CUP	P, M	Levels very low. Lake has been disappearing for several years, visible from Turnpike.	CVL	Within amoeba	No	7	2	SJR	App #2478	Yes, 6 photos.
ECF	207	Unnamed Clermont Lake	N 28 29.155	W 81 42.863	4-Nov-02	Adjacent to US 27.	House on hill on opposite side; willow Baccharis, Myruica border then ring of cattail and then open water in center; planted pines on adjacent hillsides; some exotics on the edge (Sapium and Melaleuca).	No apparent public access, access will have to be arranged.	Good site, but access would have to be arranged.	NG	P, M	Levels M, water up to edge of the shrub border.	GM	Within amoeba	No	5	4	SJR	No	Yes, pan of 3 photos.
ECF	208	Johns Lake @ boat ramp	N 28 32.614	W 81 39.579	4-Nov-02	Lake Blvd. Off of SSR 50.	Large lake, boat ramp off of SR 50 on Lake Blvd.	Excellent--Public access at boat ramp.	Good site.	EG	L, M	Levels M. Lake has high water connection to Apopka via excavated canal, and receives inflow from Black Lake.	GM	Edge of amoeba	No	2	4	SJR	No	Yes, 2 photos.
ECF	209	Channel connecting Black & Johns Lakes	N 28 31.774	W 81 36.539	4-Nov-02	CR 545.	Channel connecting Johns and Black Lakes; 3 72 inch culverts under the road.	No apparent public access, access will have to be arranged.	Marginal site, better sites in the area.	NM	Ditch.	Levels M to H.	MMH	Edge of amoeba	No	6	6	SJR	No	Yes, 3 photos.
ECF	210	Black Lake	N 28 31.783	W 81 36.453	4-Nov-02		See other entry for Black Lake, # 212.	No apparent public access, access will have to be arranged.	Good site.	NG		Levels M.	GM	Edge of amoeba	No, but nearby.	5	4	SJR	No	No photo.
ECF	211	Johns Lake @ Lake Co. Water Authority Preserve	N 28 31.699	W 81 39.684	4-Nov-02	Lake Co. Water Authority Preserve.	Preserve on S. side of lake;	Excellent access through public lands.	Excellent site.	EE	L, M, U	Levels L to M. Lake has high water connection to Apopka via excavated canal, and receives inflow from Black Lake.	EML	Edge of amoeba	No, but nearby.	1	3	SJR	No	Yes, pan of 7 photos.

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ECF	212	Black Lake @ Stoneybrook West	N 28 31.325	W 81 36.090	4-Nov-02	Stoney brook West subdivision on SW side of Black Lake.	Community recreation area and stormwater facilities border lake; boardwalk and gazebo extend into lake; blackwater lake; development ongoing around the lake.	Possible easement-- Access would have to be arranged, but stormwater facility and community recreation areas are immediately adjacent to lake.	Good site, but access would have to be arranged.	PG	L	Levels L to M; lichen lines on cypress are 3 to 4 ft above current stage; Black lake connects to Johns Lake.	GML	Edge of amoeba	No, but nearby.	4	4	SJR	No	Yes, pan of 7 photos.
ECF	213	Stoneybrook Wetland 1	N 28 31.114	W 81 36.981	4-Nov-02	Stoney brook West subdivision on SW side of Black Lake.	Small forested wetland, isolated; stormwater pond adjacent.	Easement--Lorne Malo says that there is access via easement.	OK site.	EsO	S	Levels L to M.	OML	Edge of amoeba	No, but nearby.	4	5	SJR	No	Yes, 3 photos.
ECF	214	Stoneybrook Wetland 2	N 28 30.923	W 81 37.099	4-Nov-02	Stoney brook West subdivision on SW side of Black Lake.	Small shrubby marsh along golf cart path, isolated; stormwater pond adjacent.	Easement--Lorne Malo says that there is access via easement.	OK site.	EsO	S	Levels L to M.	OML	Edge of amoeba	No, but nearby.	4	5	SJR	No	Yes, 1 photo.
ECF	215	Stoneybrook Wetland 3	N 28 31.146	W 81 36.898	4-Nov-02	Stoney brook West subdivision on SW side of Black Lake.	Small shrubby marsh, very large retention pond bordering E side; pickerelweed in center.	Easement--Lorne Malo says that there is access via easement.	OK site.	EsO	S	Levels L to M; Lorne Malo said that this wetland has a piezometer in it.	OML	Edge of amoeba	No, but nearby.	4	5	SJR	No	Yes, 3 photos.
ECF	216	Stoneybrook Wetland 4(Bayhead)	N 28 30.763	W 81 36.697	4-Nov-02	Stoney brook West subdivision on SW side of Black Lake.	Bayhead with stormwater ponds bordering; muck soils, white and red bays common.	Easement--Lorne Malo says that there is access via easement.	OK site.	EsO	S	Levels L to M. May receive inflows from other wetlands and stormwater; may have popoff discharge to SE to Lake Yarbo.	OML	Edge of amoeba	No, but nearby.	4	5	SJR	No	Yes, 3 photos.

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ECF	217	Lake Avalon	N 28 30.784	W 81 38.237	4-Nov-02	South center part of lake, accessed from Sanctuary Lane off of Avalon Rd. (CR 545).	South side of lake in the middle of the "horseshoe"; water levels very low; lake basin is a series of pools with slightly higher marsh areas in between.	No apparent public access; from adjacent groves, access would have to be worked out.	Excellent site if access can be arranged.	NE	L, P, M	Levels low, muck exposed is some pools; upper edge of Hypericum is 4 to5 ft above current level. Adjacent groves irrigated with CONSERV water.	EL	Edge of amoeba	Yes, irrigated groves adjacent to part of lake.	4	2	SJR	App #2478	Yes, pan of 5 photos.
ECF	218	Sinkhole Pond 1 @ Avalon Rd.	N 28 30.456	W 81 37.910	4-Nov-02	North side of Avalon Rd west of turnoff for Sanctuary Lane.	Sinkhole pond, surrounded by road and groves (active and abandoned); open water in center with willow/emergent edge.	No apparent public access; from adjacent groves, access would have to be worked out.	OK site.	NO	P	Levels M.	OM	Edge of amoeba	No, but nearby.	6	5	SJR	No	Yes, 2 photos.
ECF	219	L. Avalon-- Secret Vista	N 28 30.436	W 81 38.675	4-Nov-02	Groves off of Avalon Rd.	Adjacent to irrigated groves off of Avalon Rd. Water levels very low. Basin is a series of pools with slightly higher marsh areas in between.	No apparent public access; from adjacent groves, access would have to be worked out.	Excellent site if access can be arranged.	NE	P, M, L	Levels low, muck exposed is some pools; upper edge of Hypericum is 4 to5 ft above current level. Adjacent groves irrigated with CONSERV water.	EL	Edge of amoeba	Yes, irrigated groves adjacent to part of lake.	4	2	SJR	No	Yes, pan of 4 photos.
ECF	220	Flat Lake	N 28 29.582	W 81 40.274	4-Nov-02	Roadside	SJR benchmark at roadside. Mosaic of open water, floating water lily, maidencane, wet prairie, cattail with border of willow and shrub. Most of the surround land is undeveloped.	No apparent public access; from edge of road.	Excellent site.	NE	P, M, L	Levels low, like Avalon, 4 to 5 ft below upland edge.	EL	Outside amoeba	Yes, irrigated groves adjacent to part of lake.	4	2	SJR	No	Yes, pan of 5 photos.
ECF	221	Sinkhole Pond 2 @ Avalon Rd.	N 28 28.145	W 81 38.408	4-Nov-02	E side of Avalon Rd.	Near CONSERV pump station 1 S 2. Adjacent to Lk Ingram.	No apparent public access; access from road, but easement needed.	Good site if access can be arranged.	NG	P	Level L to M. Isolated basin.	GML	Outside amoeba	Yes, irrigated groves surround.	5	4	SJR	No	Yes, pan of 4 photos.

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ECF	222	Sawgrass Lake @ Cook Rd.	N 28 26.178	W 81 41.224	5-Nov-02	Cook Road on N side.	Sonny Hall has set levels for this lake. Floating mats of hyacinth rim open water on the north side. Irrigated groves on the hill on N side.	No apparent public access; from Cook Road. Easement may be needed. How did Sonny Hall get access.	Good site, MFL has been set.	NG	P, M, L	Levels H nearly up to the live oak and pine line on S side; water mark on fence posts 1 ft above current level; but that would put oaks and pines under water. Water level within 2 ft of the root crown of the lowest Citrus	GH	Outside amoeba	Yes, irrigated groves on hill on N side.	5	4	SJR	No	Yes, series of 12 shots
CF	223	Wetland Depression NW Lake Needham	N 28 26.954	W 81 40.016	5-Nov-02	NW of Lk Needham	Adjacent to CONSERV II pump station 4-T-10, just N of road. Water in center, fringe of maidencane, Echinochloa walteri, and dog fennel.	No apparent public access.	Good site if access can be arranged.	NG	P, M	Levels M to H. Isolated basin.	GMH	Outside amoeba	Yes, surrounding groves have contract with CONSERV II	5	4	SJR	No	Yes, single photo.
ECF	224	Lake Needham	N 28 26.920	W 81 39.436	5-Nov-02	Unpaved road on N side of the lake.	CONSERV overflow structure on edge of lake (see photos); RCID property adjacent to lake.	Easement--land on east side owned by Reedy Creek Improvement District. Also, looks to be a CONSERV easement associated with overflow structures.	Good site if access can be arranged.	EsG	L, M	Levels H. Staff gage @ 104.75; levels within 1 ft of edge of live oaks and within 1.5 ft of top of road. Levels may be affected by CONSERV overflows.	GH	Outside amoeba	Yes, irrigated groves adjacent to lake. Also, emergency overflow structure at north side of lake.	2	4	SJR&SF	No	Yes, series of 9 shots
ECF	225	Lake Ingram	N 28 27.761	W 81 38.427	5-Nov-02	Viewed from Avalon Rd (CR545)	Some open water (60%) with some fringing emergents (maidencane, Spartina bakerii, Andropogon gerardii, and Hypericum fasciculatum). Groves on ridges on S side.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels L to M, water levels down several feet below high water mark. Culvert (24") under road connecting to section of lake lying to the east.	GML	Outside amoeba	Yes, irrigated groves adjacent to lake.	5	4	SF	No	Yes, from CR 545, pan of 4 photos.

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ECF	226	Wetland @ Avalon & Old YMCA	N 28 26.283	W 81 38.194	5-Nov-02	Wetland on E side of Avalon Rd (CR545)	May have been excavated, standing water in center, fringe of grasses and sedges.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels H, staff gage at 3.44 ft. Water stains on trees @ + 1 ft. May receive CONSERV overflow.	GH	Outside amoeba	Manhole and pipe may be an overflow; site is just S of RIBS and Orange County National.	5	4	SF	No	Yes, 1 photo.
ECF	227	Hickory Nut Lake @ YMCA Rd.	N 28 26.265	W 81 38.748	5-Nov-02	Lake is south of Old YMCA Rd.	Talked to an older man and his wife, long time residents of the area. He said that water levels in the lake have come up 7 ft since July 2002!!	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels H, within 20 inches of the top of the boat docks that we can see through binoculars.	GH	Outside amoeba	Yes, irrigated groves and OCNGC nearby.	5	4	SF	No	Yes, from road a pan of 3 photos.
ECF	228	Hickory Nut Lake @ Avalon Rd. 1	N 28 25.291	W 81 38.152	5-Nov-02	Viewed from Avalon Rd (CR545)	Talked to an older man and his wife, long time residents of the area. He said that water levels in the lake have come up 7 ft since July 2002!!	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels H, within 20 inches of the top of the boat docks that we can see through binoculars.	GH	Outside amoeba	Yes, irrigated groves and OCNGC nearby.	5	4	SF	No	Yes, from road a pan of 3 photos.
ECF	229	Hickory Nut Lake @ Avalon Rd. 2	N 28 24.867	W 81 38.172	5-Nov-02	Viewed from Avalon Rd (CR545)	Talked to an older man and his wife, long time residents of the area. He said that water levels in the lake have come up 7 ft since July 2002!!	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels H, within 20 inches of the top of the boat docks that we can see through binoculars.	GH	Outside amoeba	Yes, irrigated groves and OCNGC nearby.	5	4	SF	No	Yes, from road a pan of 3 photos.
ECF	230	Lake @ Orange County National 1	N 28 26.768	W 81 36.774	5-Nov-02	Viewed from road.	Lake and wetland complex extends to the SE. Lake may be used as source of irrigation water as evidenced by withdrawal pipe. Irrigated groves on slope to W.	Excellent, on County property.	Good site if access can be arranged.	EG	L, M	Levels M to H.	GMH	Outside amoeba	Yes, irrigated groves and OCNGC nearby.	2	4	SF	No	No photo.
ECF	231	Lake @ Orange County National 2	N 28 26.694	W 81 36.938	5-Nov-02	Viewed from road.	Small lake.	Excellent, on County property.	Good site if access can be arranged.	EG	L, M	Levels M to H.	GMH	Outside amoeba	Yes, irrigated groves and OCNGC nearby.	2	4	SF	No	Yes, from road a pan of 4 photos.

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ECF	232	Lake Hancock	N 28 27.147	W 81 36.733	5-Nov-02	Viewed from road.	Lake that is part of the Reedy Creek drainage.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels M to H. Appears to be an upper part of the Reedy Creek drainage. Water levels not as high as other lakes in the area, but stain lines on new boat docks are only + 1 ft above water. High water popoff thru culvert at SE end of lake, no evidence of recent flow.	GMH	Outside amoeba	Yes, irrigated groves adjacent to lake.	5	4	SF	No	Yes, from road, 2 photos.
ECF	233	Ponds South of Lake Sawyer	N 28 27.462	W 81 34.194	5-Nov-02	Viewed from road.	Pond surrounded by improved pasture in an area generally being developed into residential subdivisions.	Possible public-- Public land shown on maps for area to the east, area is an abandoned grove. Also USGS monitoring station next to road at NW edge.	Good site if access can be arranged.	PG	P	Levels M to H.	GMH	Within amoeba	No, but nearby.	4	4	SF	No	Yes, from road, 2 photos.
ECF	234	East Pond @ Chase/Lk Sawyer Rd	N 28 27.758	W 81 33.667	5-Nov-02	Viewed from east side of road (Winter Garden Vineland, CR 535).	Pond with open center, fringing graminoids, some cattail, and border of primrose willow and Baccharis.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	P	Levels M to H.	GMH	Within amoeba	No, but nearby.	5	4	SF	No	Yes, from road a pan of 4 photos.
ECF	235	West Pond @ Chase/Lk Sawyer Rd	N 28 27.732	W 81 33.722	5-Nov-02	Viewed from west side of road (Winter Garden Vineland, CR 535).	Pond with water lilies at center, emergents around the fringe; adjacent to golf course	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	P	Levels M to H.	GMH	Within amoeba	No, but nearby.	5	4	SF	No	Yes, from road, 2 photos.
ECF	236	Pond North of Windemere Prep	N 28 28.671	W 81 34.390	5-Nov-02	Viewed from road.	Pond may have had its south edge excavated. Groves on N & S.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	P	Water level H.	GH	Within amoeba	No	5	4	SF	No	Yes, 2 photos.

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ECF	237	Lakes Davis & Estes (W of Butler) 1	N 28 28.938	W 81 34.168	5-Nov-02	Viewed from roads in subdivisions	Upscale subdivisions border lake.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L	Levels M to H; Davis looks to be isolated.	GMH	Within amoeba	No	5	4	SF	No	Yes, 3 photos.
ECF	238	Lakes Davis & Estes (W of Butler) 2	N 28 29.200	W 81 34.106	5-Nov-02	Viewed from roads in subdivisions	Upscale subdivisions border lake.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L	Levels M to H; Davis looks to be isolated.	GMH	Within amoeba	No	5	4	SF	No	Yes, 3 photos.
ECF	239	Pond west of Little Lake Sawyer	N 28 28.313	W 81 34.969	5-Nov-02	Viewed from side of Winter Garden Vineland, CR 535.	Large water lily pond with patches of willow and sawgrass; ring neck ducks present; S&E sides not developed.	No apparent public access; access from the road, easement would have to be arranged.	Good site if access can be arranged.	NG	L, M	Levels M to H. Basin isolated.	GMH	Within amoeba	No	5	4	SF	No	Yes, 3 photos.
ECF	240	Pond @ Cawood Estates	N 28 28.671	W 81 34.390	5-Nov-02	Viewed from edge of retention pond.	Isolated pond with border of emergent macrophytes.	Possible easement-- Access may be possible from retention pond, however the wetland is 50 yards from the retention pond.	Good site if access can be arranged.	PG	L, M	Levels M to H.	GMH	Within amoeba	No	4	4	SF	No	Yes, 2 photos.
ECF	241	Serene & Big Sand Lakes	N 28 26.475	W 81 29.846	5-Nov-02	Viewed from roads in new subdivision.	Entered from the Esplanade south off of Sand Lake Road	Possible easement-- Access from facilities-- OCU pump station # 3931, stormwater facilities next to lake.	Good site if access can be arranged.	PG	L, M	Levels M to H.	GMH	Outside amoeba	No	4	4	SF	No	No photos, raining.
ECF	242	Bay Lakes @ Dr. Phillips	N 28 26.794	W 81 30.376	5-Nov-02	Bay Lakes at Granada, east of CR 435, south of Granada Blvd.	Two small lakes in a subd. With a park area in between. Good site, the park will allow upland wells and access to both lakes.	Possible easement-- Neighborhood park, but not public.	Good site if access can be arranged.	PG	L, M	Levels M to H.	GMH	Outside amoeba	No	4	4	SF	No	Yes, series of 5 photos.
ECF	243	Lake Crowell	N 28 25.102	W 81 29.749	5-Nov-02	Diamond Cove and Emerald Forest Subd.	Lake with fringing cypress. Most of shoreline abuts single family residences.	Possible easement; access from path along edge of stormwater facilities that lead to boardwalk at the edge of the lake.	Good site if access can be arranged.	PG	L, M	Levels H.	GH	Outside amoeba	No	4	4	SF	No	Yes, series of 9 photos.

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ECF	244	Lake Charity	N 28 37.917	W 81 22.752	6-Nov-02	Stormwater pond behind nursing home in CR 414.	SJR staff are concerned that levels are low in this lake, but get higher through other lakes as one heads toward the E.	Possible easement-- From retention pond behind nursing home.	Good site if access can be arranged.	PG	L, M	Levels low, well below boat docks which are left high and dry; level 5 ft below water lines on the docks.	GL	Within amoeba	No	4	3	SJR	No	Yes, 3 photos.
ECF	245	Lake Love	N 28 38.092	W 81 23.063	6-Nov-02	West of L. Charity.	Small circular lake.	No apparent public access; access would have to be arranged, from off of Wymore Road.	Good site if access can be arranged.	NG	L, M	Level M to H; 1 ft below water marks.	GMH	Edge of amoeba	No	5	4	SJR	No	Yes, single photo.
ECF	246	Wood Lake	N 28 38.511	W 81 23.114	6-Nov-02	Wood Lake Drive.	Very small lake to N of Lake Love. Surrounded by houses.	No apparent public access; access difficult, look for drainage easement.	Good site if access can be arranged.	NG	L, M	Level M to H; 1 ft below water marks.	GMH	Within amoeba	No	5	4	SJR	No	Yes, single photo, shot between houses.
ECF	247	Lake Hope	N 28 38.421	W 81 22.354	6-Nov-02	Lake Hope Drive.	Lake surrounded by houses, not much visibility	No apparent public access; access difficult, look for drainage easement.	Good site if access can be arranged.	NG	L, M	Levels L to M, not as low as Charity. Water makes 3-4 ft higher than current level.	GML	Within amoeba	No	5	4	SJR	No	No photo.
ECF	248	Stonewood Lake	N 28 38.629	W 81 22.449	6-Nov-02	South side of Oranole, N of Lake Hope	Small circular urban lake. Aerators, stormwater inflows. City of Altamonte (phone 660-4400) lift station #9 across the street from lake.	Possible easement-- Access from road would have to be arranged. Drainage easement likely for the stormwater inflow system.	Good site if access can be arranged.	PG	L, M	Levels H, lichen lines on fringing cypress about 0.5 ft below current level. Staff gage at stormwater inlet @ 4.3 ft.	GH	Within amoeba	No	4	4	SJR	No	Yes, pan of 2 photos.
ECF	249	Lake Faith 1	N 28 38.424	W 81 21.933	6-Nov-02	Intersection of Lake Shore Drive and Maitland Ave.	Stormwater retention pond adjacent to lake, NE edge of lake. Another pond to south along Maitland Ave.	Possible easement-- Good access from retention ponds if easements can be worked out.	Good site if access can be arranged.	PG	L, M	Levels M, 2 ft below water marks on boat docks.	GM	Within amoeba	No	4	4	SJR	No	Yes, pan of 3 photos.
ECF	250	Lake Faith 2	N 28 28.221	W 81 22.018	6-Nov-02	Lake Faith Condos on S side.	Drainage easement at condo complex.	No apparent public access; good access from drainage easement down to edge of lake (see photos)	Good site if access can be arranged.	NG	L, M	Levels M, 2 ft below water marks on boat docks.	GM	Within amoeba	No	5	4	SJR	No	Yes, pan of 3 photos.

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ECF	251	Lake Seminary	N 28 38.629	W 81 21.482	6-Nov-02	End of L. Seminary Circle.	Commons area at boat ramp. Park area with ramp, boardwalk and dock.	Possible Access from neighborhood commons area.	Good site if access can be arranged.	PG	L, M	Levels M to H; Seminole Co. staff gage at boat ramp (80.62 ft.); recent water marks on staff @ +0.3 ft, or about 80.92 ft, rust marks on staff gage @ 82.25 ft. Water marks on other docks @ +1 ft.	GMH	Within amoeba	No	4	4	SJR	No	Yes, pan of 3 photos.
ECF	252	Lake Sybelia	N 28 37.664	W 81 22.093	6-Nov-02	Park on E side	Lake Sybelia Beach on E side with parking lot, rest rooms grassy area adjacent to lake.	Excellent, City park.	Excellent site	EE	L, M, U	Levels M, water stains on boat docks @ 1.5 to 2 ft above current level.	EM	Within amoeba	No	1	4	SJR	No	Yes, 2 photos in park and pan of 4 on lake.
ECF	253	Lake SE of Destiny	N 28 38.194.	W 81 23.294	6-Nov-02	Boardwalk at edge of lake, in office park.	Small urban lake, has narrow band of willow and cypress.	Possible easement-- Access from the boardwalk, easement would have to be worked out.	Good site if access can be arranged.	PG	L, M	Levels M to H, 1 to 1.5 ft below water marks (lichen lines on trees and water stains on the boardwalk piers).	GMH	Within amoeba	No	4	4	SJR	No	Yes, pan of 3 photos in the rain
ECF	254	Lake Destiny	N 28 38.426	W 81 23.581	6-Nov-02	From boardwalk in office park.	Urban lake surrounded by office and condos, some littoral vegetation remains (see photos); may be boat dock and staff gage on the west side, but we did not visit.	Possible easement-- Access from the boardwalk, easement would have to be worked out. Also there are likely to be drainage easements for stormwater inflows.	Good site if access can be arranged.	PG	L, M	Levels M to H; water stains on boardwalk piers @ +1 ft above water. Canal heads north, but does not appear to connect to Spring Lake to north, but this should be verified.	GMH	Within amoeba	No	4	4	SJR	No	Yes, pan of 3 photos.
ECF	255	Spring Lake	N 28 38.808	W 81 23.664	11/6/2002	North Spring	Boat ramp in	Possible easement--	Good site	PG	L, M	Levels H,	GH	Within	No	4	4	SJR	No	Yes, 6 photos

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					1/8/2002	Lake Rd in subdivision.	subdivision, just west of intersection with Spring Lake Hills Drive, near the top of canal from Lake Destiny.	Access is good from boat ramp, but this is commons property for the subdivision, so an access easement would have to be worked out.	if access can be arranged.			lake has outflow to Little Wekiva River system; levels within 0.5 ft of water stains on boat docks.		amoeba							taken.
ECF	256	Prairie and Pearl Lakes @ connector	N 28 39.529	W 81 20.832	6-Nov-02	Connecting canal on Gladwin Ave.	Lakes connected by canal thru subdivision	No apparent public access; water levels can be monitored in the canal. Access is not good to the lakes themselves.	Good site if access can be arranged.	NG	L	Levels H, within + 1 ft of stain marks on the box culvert.	GH	Within amoeba	No	5	4	SJR	No	Yes, pan of 3 photos. 6 additional photos taken.	
ECF	257	Lake NW of Lake of the Woods	N 28 38.883	W 81 21.225	6-Nov-02	Navel Drive off of O'Brien.	Unnamed small lake to NW of Lake of the Woods. Willow and taro edge. Talked to resident who said that water levels have come up about 4 ft since summer.	No apparent public access; access is from end of road, but easements would have to be worked out.	Good site if access can be arranged.	NG	L	Levels H within .5 to 1 ft of water marks on trees.	GH	Within amoeba	No	5	4	SJR	No	Yes, single photo.	
ECF	258	Lake of the Woods	N 28 38.556	W 81 20.976	6-Nov-02	Cul du sac on Spartan.	Undeveloped lot on cul du sac, may be a drainage easement. Also, boat ramp at end of Summerwood Trace	Possible easement-- Boat ramp is private. Drainage easements may be an option. Stormwater facility on south end at outflow.	Good site if access can be arranged.	PG	L, M	Levels H within .5 ft to 1 ft of high water marks, and within 1-2 ft of top of most boat docks. Outflow channel at south end; weir with stop logs, water flowing over structure (see photos).	GH	Within amoeba	No	4	4	SJR	No	Yes, several photos at outflow.	

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ECF	259	Lake of the Woods @ outflow weir	N 28 38.398	W 81 20.879	6-Nov-02	South end of lake.	Surface water outflow point at south end of lake. Weir structure adjacent to road; water flowing at time of visit (see photos).	No apparent public access.	Good site if access can be arranged.	NG	L, M	Levels H within .5 ft to 1 ft of high water marks, and within 1-2 ft of top of most boat docks. Outflow channel at south end; weir with stop logs, water flowing over structure (see photos).	GH	Within amoeba	No	5	4	SJR	No	Yes, several photos at outflow.
ECF	260	Blue Lake	N 28 39.493	W 81 28.012	6-Nov-02	East of US 441, Green Acres Rd.	Most of the lake is bordered by residential.	Possible easement-- Access from road at retention pond with drop inlet next to road.	Good site if access can be arranged.	PG	L	Levels H within 0.5 ft of water marks on boat docks.	GH	Within amoeba	No	4	4	SJR	No	Yes, single photo.
ECF	261	Lake Piedmont	N 28 39.493	W 81 28.012	6-Nov-02	North of Blue Lake on Crispwood Court off of Piedmont Lake Blvd.	Some littoral vegetation left on shoreline on other side of lake.	Possible easement-- Access from retention pond at end of cul du sac.	Good site if access can be arranged.	PG	L, M	Levels H within 0.5 ft of water marks.	GH	Within amoeba	No	4	4	SJR	No	Yes, pan of 3 photos.
ECF	262	Lake McDade near L. Piedmont	N 28 39.770	W 81 28.027	6-Nov-02	Adjacent to L. Piedmont	Playground bordering lake.	Possible easement-- Playground and retention pond.	Good site if access can be arranged.	PG	L	Levels H, like Piedmont	GH	Within amoeba	No	4	4	SJR	No	Yes, single photo.
ECF	263	Maggiore & Minore near Zellwood	N 28 44.097	W 81 36.392	6-Nov-02	Zellwood area E of 441.	Lake Maggiore Estates subdivision. East shoreline is undeveloped.	Easement--Good access at school (see below)	Excellent site.	EsE	L, M, U	Levels M to H, within +1.5 ft of water marks; may have overflow to Apopka marshes.	EMH	Edge of amoeba	No	1	4	SJR	No	Yes, one.
ECF	264	Maggiore @ Zellwood Elementary	N 28 44.200	W 81 36.138	6-Nov-02	Zellwood area E of 441.	Edge of lake at Zellwood Elementary School at E corner of lake at point where it pinches off to Lk. Minore.	Easement--Good site with good access at school.	Excellent site.	EsE	L, M, U	Levels M to H; connection to Minore, and may pop off to Apopka marshes.	EMH	Edge of amoeba	No	1	4	SJR	No	Yes, pan of 3 photos.

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ECF	265	Loch Levan near Mt. Dora	N 28 49.920	W 81 38.333	6-Nov-02	Mt Dora area.	Good site--Loch Levan subdivision.	Easement --Good site--Conservation easement for dredge and fill violation will allow access, according to Lorne Malo. Also, boat ramp and boardwalk in commons area.	Good site if access can be arranged.	EsG	L, M, U	Levels H.	GH	Outside amoeba	No	2	4	SJR	No	Yes, from photos conservation area and boat ramp & boardwalk.
ECF	266	Lake Joanna near Mt Dora	N 28 50.914	W 81 38.508	6-Nov-02	Park Place Subdivision	Good site.	Possible easement access --Good site--boat ramp at Parkwood Ave & Park Place Blvd.	Good site if access can be arranged.	PG	L, M, U	Levels H within 0.5 ft of stain marks.	GH	Outside amoeba	No	4	4	SJR	No	Yes, pan of 4-5 photos.
ECF	267	Lake Swatara near Mt. Dora	N 28 51.846	W 81 38.533	6-Nov-02	Lake Swatara Drive, E side of lake.	Good site--Mature fringing cypress, very steep slope down to lake in subdivision; lake may be used for irrigation.	Possible Easement--Good site--Access via drainage easement in subdivision.	Good site if access can be arranged.	PG	L, M, U	Levels H.	GH	Outside amoeba	No	4	4	SJR	No	Yes, photos of drainage easement, fringing cypress and pan of lake.
ECF	268	Lake Lincoln north (N) of L. Joanna	N 28 51.829	W 81 38.092	6-Nov-02	Highland Lane on W side.	Good site--Dry lake basin, has several sinkholes in it, no water present. Steep slope on west side, forested ridge on N, E, and S.	No apparent public access; access through subdivision, may be other points.	Good site if access can be arranged.	NG	L, M, U	Levels very low, NO WATER.	GVL	Outside amoeba	No	5	2	SJR	No	Yes, pan of 4 photos.
ECF	269	Lake Eldorado near Eustis	N 28 53.101	W 81 37.890	6-Nov-02	SR 44 A & West Eldorado Drive	Good site.	No apparent public access; access best from SR 44A on west side. Undeveloped land between roadside and edge of lake (see photos).	Good site if access can be arranged.	NG	L, M, U	Levels L to M, water marks 3 ft higher than current level.	GML	Outside amoeba	No	5	4	SJR	No	Yes, 3 photos, but daylight fading.
ECF	270	Lake Dalhousie near Eustis	N 28 54.155	W 81 37.065	6-Nov-02	Lk. Dalhousie Park	Great site--Lk Dalhousie Park on E side of lake. Parking area and boat ramp.	Excellent, access from park.	Excellent site.	EE	L, M, U	Levels M, 2 ft below water stains.	EM	Outside amoeba	No	1	4	SJR	No	Yes, photos of park area and lake.
ECF	271	Lake Burns E of Umatilla	N 28 54.950	W 81 38.521	6-Nov-02	East of Umatilla	Adjacent to road.	No apparent public access.	Good site if access can be arranged.	NG	L, M, U	Levels M, about 2 ft below high water mark.	GM	Outside amoeba	No	5	4	SJR	No	Yes, two photos, but light fading at end of day

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ECF	272	Lake Umatilla @ Guerrant Park	N 28 55.058	W 81 39.986	6-Nov-02	Guerrant Park in Umatilla	City park on S side of Lake Umatilla has boat ramp, picnic area, parking areas and fishing pier. Upland, wetland and aquatic habitat present.	Excellent site-access from park.	Excellent site.	EE	L, M, U	Levels M to H.	EMH	Outside amoeba	No	1	4	SJR	No	Yes, 8 photos taken.
ECF	273	Yarborough Conservation Easement	N 28 41.374	W 81 6.605	6-Jun-02	Across road from Little Big Econ.	Large cypress strand.	No apparent public access, access will have to be arranged.	Good site if access can be arranged.	NG	S	Levels M.	GM	Outside amoeba	No	5	4	SJR	No	No photo.
ECF	274	Wetland off Daniels Rd.	N 28 32.286	W 81 34.972	1/10/2002	Wetland off Daniels Rd.	OUC Monitoring Site #6478	OUC Monitoring Site.	Excellent site	CUP	S	Levels very low.	CVL	Within amoeba	No	7	2	SJR	Permit #3159	Yes, 1 photo taken.
ECF	275	Long Lake off Groveline Dr. near.	N 28 36.964	W 81 28.448	1/7/2002	Near. Clarcona, FL	OUC Monitoring Site #4272	OUC Monitoring Site.	Excellent site	CUP	L, M	Levels very low.	CVL	Within amoeba	No	7	2	SJR	Permit #3159	Yes, 13 photos taken.
ECF	276	Prairie Lake east of N. Hiwassee Rd.	N 28 35.858	W 81 28.115	Not visited	East side of N. Hiwassee Rd., due east of Crooked Lake.	OUC Monitoring Site #4883	OUC Monitoring Site.	Excellent site	CUP	L, M	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Permit #3159	Yes.
ECF	277	Lake Genie off Coral Cove Dr.	N 28 35.374	W 81 29.436	1/10/2002	Immediately south of SW corner of Crooked Lake.	OUC Monitoring Site #5036. Small lake with residual pool of water; stormwater pond on one edge in subdivision; houses border 1/3 of shoreline; scattered willows on upper edge, dense stands of dogfennel lie below the willow.	OUC Monitoring Site.	Excellent site	CUP	L	Levels L, surficial accumulation of muck exposed at edge of the remaining pool.	CL	Within amoeba	No	7	2	SJR	Permit #3159	Yes, 2 photos taken.
ECF	278	Lake Sherwood off SR 50	N 28 33.155	W 81 29.881	1/8/2002	Lake Sherwood off SR 50	OUC Monitoring Site #5824	OUC Monitoring Site.	Excellent site	CUP	L, M	Levels very low.	CVL	Within amoeba	No	7	2	SJR	Permit #3159	Yes, 12 photos taken.
ECF	279	Unnamed lake west of L. Hiwassee	N 28 31.825	W 81 29.495	Not visited	Unnamed lake west of L. Hiwassee	OUC Monitoring Site #6714	OUC Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Permit #3159	No photo, site not visited.
ECF	280	Unnamed Lake off Berks Ct.	N 28 32.034	W 81 28.336	Not visited	Unnamed Lake off Berks Ct.	OUC unnumbered monitoring site	OUC Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Permit #3159	No photo, site not visited.

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ECF	281	Wetlands at Mead Botanical Gardens	N 28 35.116	W 81 21.329	1/9/2002	Forested wetland long boardwalk.	OUC Monitoring Site #5143	OUC Monitoring Site.	Excellent site	CUP	S, U	Levels M to H.	CMH	Outside amoeba	No	7	4	SJR	Permit #3159	Yes
ECF	282	Lake Berry off Balmoral Rd.	N 28 35.128	W 81 19.783	1/9/2002	Balmoral Road in Windsong subdivision.	OUC Monitoring Site #5070; edge of lake at gazebo in subdivision; undeveloped shoreline on opposite side of lake still has intact live oak border	OUC Monitoring Site.	Excellent site	CUP	L	Levels M; lake connected to Lake Virginia; muck soils 1-2 ft thick present at edge of lake at gazebo; levels about 3 ft below water marks, and 5 to 6 feet below the mature live oak line.	CM	Outside amoeba	No	7	4	SJR	Permit #3159	Yes, 1 photo.
ECF	283	Lake Spier off Glenridge Way	N 28 34.725	W 81 19.892	1/9/2002	Edge of Naval Training Center property, across from Waterbridge subdivision	Unnumbered monitoring site; lake at edge of Naval Training Center property; willow thicket at north end of lake.	OUC Monitoring Site.	Excellent site	CUP	L	Levels M to H; top of hummocks and lichen lines at 1 to 1.5 ft above current levels; muck in upper 1.5 feet of horizon in the willow thicket, soils saturated.	CMH	Outside amoeba	No	7	4	SJR	Permit #3159	No photo, site not visited.

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ECF	284	Red Bug Lake at Red Bug Lake Park off Red Bug Lake Rd.	N 28 38.989	W 81 17.487	1/9/2002	Seminole County park.	OUC Monitoring Site #3710. Park on the south side of lake with recreation areas, grassed open areas and boardwalk at edge of lake; some residual hardwood and bay forest remain; some patches of cattail present; water lilies in SE portion of lake; about half of lake is bordered by forested wetland.	OUC Monitoring Site.	Excellent site	CUP	L, S, U	Levels M to H, lichen line on Magnolia @ 1.8 above current level; staff gauge at boardwalk reads 67.52 ft; soils in bayhead edge have 8-12 inches of muck, saturated to surface; upper edge of bay trees @ 3.3 feet above current level.	CMH	Edge of amoeba	No	7	4	SJR	Permit #3159	Yes, 6 photos taken.
ECF	285	Forested Wetland, Clermont	N 28 33.159	W 81 41.088	Not visited	Site not visited	City of Clermont	Clermont Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App # 2478	No photo, site not visited.
ECF	286	Forested Wetland, Monteverde	N 28 35.312	W 81 41.478	Not visited	Site not visited	City of Clermont	Clermont Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App # 2478	No photo, site not visited.
ECF	287	Wetland at Siplin Rd. and Ellerbee Rd	N 28 31.946	W 81 35.948	Not visited	Site not visited	City of Winter Garden Monitoring Site #1	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App #3368	No photo, site not visited.
ECF	288	Wetland off Winter Garden - Vineland Rd.	N 28 32.533	W 81 35.201	Not visited	Site not visited	City of Winter Garden Monitoring Site #4	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App #3368	No photo, site not visited.
ECF	289	Unnamed borrow lake, Winter Garden	N 28 33.477	W 81 35.793	Not visited	Site not visited	City of Winter Garden Monitoring Site #16	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App #3368	No photo, site not visited.
ECF	290	Wetland off Beulah Rd., Winter Garden	N 28 32.618	W 81 34.196	Not visited	Site not visited	City of Winter Garden Monitoring Site #34	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App #3368	No photo, site not visited.

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ECF	291	Lake Beulah off Windermere Rd.	N 28 32.060	W 81 33.725	Not visited	Site not visited	City of Winter Garden Monitoring Site #35	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App #3368	No photo, site not visited.
ECF	292	Wetland off West Orange Trail	N 28 34.803	W 81 33.999	Not visited	Site not visited	City of Winter Garden Monitoring Site #38	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Edge of amoeba	No	7	3	SJR	App #3368	No photo, site not visited.
ECF	293	Wetland off Ocoee-Apopka Rd.	N 28.34.866	W 31 33.023	Not visited	Site not visited	City of Winter Garden Monitoring Site #43	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App #3368	No photo, site not visited.
ECF	294	Wetland off Kennoway Ct., Ocoee	N 28 31.998	W 81 33.123	Not visited	Site not visited	City of Winter Garden Monitoring Site #51	Winter Garden Monitoring Site.	Excellent site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	App #3368	No photo, site not visited.
ECF	295	Crooked Lake	N 28 35.462	W 81 28.856	1/7/2002	East of Ocoee on North Hiwassee Rd.	Orange County Utilities Monitoring Site	Orange County Utilities Monitoring Site	Excellent site	CUP	L, M, U	Levels very low.	CVL	Within amoeba	No	7	2	SJR	No	Yes, 4 photos taken.
ECF	297	Lake Herrick	N 28 32.801	W 81 28.981	1/8/2002	Immediately south of E-W Expressway, and north of Lake Hiwassee.	Orange County Utilities Monitoring Site	Orange County Utilities Monitoring Site	Excellent site	CUP	L, M, U	Levels very low.	CVL	Within amoeba	No	7	2	SJR	No	Yes, 4 photos taken.
ECF	298	Boat ramp at Lake Baldwin at park (Fleet Park or Bicentennial Park)	N 28 34.560	W 81 19.545	1/9/2002	Park on NW side of lake, former Naval Training Center property.	Park area with open understory, grassed areas, boat ramp. Some intact forested edge remains; most shoreline is undeveloped;	Excellent, city park.	Excellent site	EE	L, U	Levels M to H; within 1.5 to 2 feet of water stains; staff gauge at ramp reads 91.0 ft.; wax myrtle thicket at edge of water is on muck soils about 2 ft thick; live oak edge is about 3.5 ft above current level.	EMH	Outside amoeba	No	1	4	SJR	No	Yes, 1 photo.

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ECF	299	Lake Julia	N 28 38.026	W 81 28.810	1/10/2002	West side of Lakeville Rd., NW of Long L.	Adjacent to OCU's western wellfield, some water remains in lowest depressions, but levels 20 + ft. below the live oak line.	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	L	Levels L	GL	Outside amoeba	No	5	3	SJR	No	Yes, 3 photos taken.
ECF	300	Lake Mizell	N 28 35.961	W 81 20.342	1/9/2002	Immediately northeast of, and connected to L. Virginia, Winter Park.	Vacant lot in Windsong subdivision; fringing cypress present, lowermost trees in water upper ones in saturated soil.	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	L	Levels M; fringing cypress in standing water or saturated muck (surficial); historical levels may have been higher-- compacted layer of muck lies above the cypress fringe to elevation 2.5 to 3 ft above current water level.	GM	Outside amoeba	No	5	4	SJR	No	Yes, 5 photos taken.
ECF	301	Lake Virginia	N 28 35.222	W 81 20.956	1/9/2002	At Rollins College, Winter Park.	Urban lake surrounded by college campus, residences, and condos, some littoral vegetation remains (see photos).	Excellent, Rollins Campus	Good site, but part of chain of lakes	EG	L	Levels M.	GM	Outside amoeba	No	2	4	SJR	No	Yes, 2 photos taken.
ECF	302	Lost Lake	N 28 40.281	W 81 19.322	1/9/2002	Adjacent to Middle Triplet.	Small lake adjacent to Triplet lakes.	Park and senior center adjacent to lake.	Good site.	EG	L	Levels M	GM	Edge of amoeba	No	2	4	SJR	No	Yes, 3 photos taken.

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Priority Area	Site No.	Site Name	Latitude	Longitude	Date Visited	Location Notes	Site Conditions	Access	Site Quality	Sentinel Site Rating	Habitat	Hydrologic Condition	MFL Site Rating	Location within Drawdown Contour?	Within CONSERV?	Sentinel Site Ranking	MFL Site Ranking	WMD	CUP Site	Photos
ECF	303	Queens Mirror	N 28 39.790	W 81 19.600	1/9/2002	Connected to Lower Triplet.	Small lake in the upper part of the Triplet chain; residences border much of the lake.	Possible easement, may be drainage easement for inflow and outflow channels.	Good site.	PG	L, U	Levels M, within 1.5 to 2 ft of water stains on docks and lichen lines on trees; inflow from headwater swamp via canal, lake also has outflow to Lower Triplet. Historical levels may have been higher, residual muck soils in bayswamp adjacent to inflow canal at elevations of 3 ft above current level.	GM	Within amoeba	No	4	4	SJR	No	Yes, 2 photos taken.
ECF	304	Turkey Lake	N 28 29.91	W 81 28.44	1/8/2002	Turkey Lakes Park.	County park on west side of lake, some portions of east side bordered by apartments and/or condos; some residual cypress border still present on parts of the lake.	Excellent, county park.	Good site, has downstream discharge	EG	L, U	Levels M.	GM	Outside amoeba	No	2	4	SF	No	Yes, 2 photos taken.
ECF	305	Lake Alpharetta	N 28 37.366	W 81 29.331	1/10/2002	North of Crooked L. and west of Long L.	Dry basin, looks like an old field.	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	M	Levels very low.	GVL	Within amoeba	No	5	2	SJR	No	No photo taken.
ECF	306	Middle Triplet	N 28 40.176	W 81 19.764	1/9/2002	Casselberry	Park at outflow area, 50% of shoreline is undeveloped, flow through system; emergent fringe of mostly cattail is in standing water, lower end of forested fringe is in standing water, but upper edge is saturated soil.	Excellent, county park.	Good site, but has flow through system	EG	L, U	Levels M, flow through system.	GM	Edge of amoeba	No	2	4	SJR	No	Yes, 2 photos.

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Priority Area	Site No.	Site Name	Latitude	Longitude	Date Visited	Location Notes	Site Conditions	Access	Site Quality	Sentinel Site Rating	Habitat	Hydrologic Condition	MFL Site Rating	Location within Drawdown Contour?	Within CONSERV?	Sentinel Site Ranking	MFL Site Ranking	WMD	CUP Site	Photos
ECF	307	Lake Susannah south of L. Baldwin	N 28 33.645	W 81 19.216	1/9/2002	On old Training Center property.	Lake on Naval Training site property, to south of lake Baldwin; area undergoing rapid development to commercial and residential property.	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	L	Levels M.	GM	Outside amoeba	No	5	4	SJR	No	Yes, 1 photo.
ECF	308	Oak Lake	N 28 38.396	W 81 28.871	Not visited	CUP monitoring site	OCU monitoring site #4.	OCU CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	OCU	No, site not visited.
ECF	309	Unnamed Pond	N 28 37.910	W 81 29.572	Not visited	CUP monitoring site	OCU monitoring site #5.	OCU CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	OCU	No, site not visited.
ECF	310	Lake Hiawassee	N 28 31.980	W 81 28.816	Not visited	CUP monitoring site	OCU monitoring site #8.	OCU CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	OCU	No, site not visited.
ECF	311	Lake Barbett	N 28 32.623	W 81 27.843	Not visited	CUP monitoring site	OCU monitoring site #9.	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	OCU	No, site not visited.
ECF	312	Unnamed Wetland	N 28 48.835	W 81 22.393	Not visited	CUP monitoring site	Seminole County monitoring Site A	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Edge of amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	313	Middlemass Lake	N 28 47.666	W 81 22.944	Not visited	CUP monitoring site	Seminole County monitoring Site C	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	314	Unnamed Wetland	N 28 47.812	W 81 22.131	Not visited	CUP monitoring site	Seminole County monitoring Site D	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	315	Pearl Lake	N 28 47.705	W 81 22.065	Not visited	CUP monitoring site	Seminole County monitoring Site E	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	316	Unnamed Wetland	N 28 47.604	W 81 21.747	Not visited	CUP monitoring site	Seminole County monitoring Site F	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.

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Priority Area	Site No.	Site Name	Latitude	Longitude	Date Visited	Location Notes	Site Conditions	Access	Site Quality	Sentinel Site Rating	Habitat	Hydrologic Condition	MFL Site Rating	Location within Drawdown Contour?	Within CONSERV?	Sentinel Site Ranking	MFL Site Ranking	WMD	CUP Site	Photos
ECF	317	Lake Irish	N 28 47.298	W 81 22.633	Not visited	CUP monitoring site	Seminole County monitoring Site G	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	318	Unnamed Wetland	N 28 47.082	W 81 21.841	Not visited	CUP monitoring site	Seminole County monitoring Site H	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	319	Lake Marietta	N 28 46.613	W 81 22.275	Not visited	CUP monitoring site	Seminole County monitoring Site I	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
Priority Area	Site No.	Site Name	Latitude	Longitude	Date Visited	Location Notes	Site Conditions	Access	Site Quality	Sentinel Site Rating	Habitat	Hydrologic Condition	MFL Site Rating	Location within Drawdown Contour?	Within CONSERV?	Sentinel Site Ranking	MFL Site Ranking	WMD	CUP Site	Photos
ECF	320	Island Lake	N 28 46.490	W 81 22.283	Not visited	CUP monitoring site	Seminole County monitoring Site J	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	321	Banana Lake	N 28 46.629	W 81 21.808	Not visited	CUP monitoring site	Seminole County monitoring Site K	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	322	Twin Lakes	N 28 47.340	W 81 20.007	Not visited	CUP monitoring site	Seminole County monitoring Site L	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Edge of amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	323	Unnamed Wetland	N 28 47.413	W 81 18.768	Not visited	CUP monitoring site	Seminole County monitoring Site M	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Edge of amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	324	Unnamed Lake	N 28 46.477	W 81 20.577	Not visited	CUP monitoring site	Seminole County monitoring Site N	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	325	Dawson Lake	N 28 46.505	W 81 20.356	Not visited	CUP monitoring site	Seminole County monitoring Site O	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.
ECF	326	Lake Como	N 28 46.738	W 81 20.094	Not visited	CUP monitoring site	Seminole County monitoring Site P	Seminole County CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Within amoeba	No	7	3	SJR	Seminole County	No, site not visited.

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Priority Area	Site No.	Site Name	Latitude	Longitude	Date Visited	Location Notes	Site Conditions	Access	Site Quality	Sentinel Site Rating	Habitat	Hydrologic Condition	MFL Site Rating	Location within Drawdown Contour?	Within CONSERV?	Sentinel Site Ranking	MFL Site Ranking	WMD	CUP Site	Photos
ECF	327	Lake Wilkins	N 28 42.199	W 81 34.289	Not visited	CUP monitoring site	OCU monitoring site #1.	OCU CUP monitoring site	CUP monitoring site	CUP	Not visited	Not visited, conditions need to be determined.	CNV	Edge of amoeba	No	7	3	SJR	No	No, site not visited.
ECF	329	Lake Gertrude @ Sylvan Shores Park	N 28 48.794	W 81 39.735	4/29/2003	Sylvan Shores Park on Morningside Rd.	Park with grassed areas, sidewalk adjacent to lake; shrub thicket and emergent fringe downslope from park area; much of the rest of the shoreline is bordered by houses, outflow at south end.	Excellent, city park.	Excellent site	EE	L, M	Levels M to H within 1.5 ft of high water marks; outflow "weir" at south end allows for high water outflow; staff gauge reads 70.43 ft.	EMH	Outside amoeba	No	1	4	SJR	No	Yes, 12 photos taken.
ECF	330	Lake Saunders	N 28 48.974	W 81 42.004	4/29/2003	Mt. Dora, Lake Saunders Point subdivision.	Subdivision under construction around NW lobe of lake; open water body with littoral fringe of emergents, water lilies in deeper areas.	No apparent public access, bur physically access would be easy from future boat ramp.	Good site.	NG	L, M	Levels M, 1 to 2 ft below the upland/wetland edge.	GM	Outside amoeba	No	5	4	SJR	No	Yes, 5 photos taken.
ECF	331	Trout Lake @ Nature Center	N 28 52.121	W 81 40.928	4/29/2003	Nature Center on N end of lake.	Nature Center with boardwalk through forested area north of lake; pine oak forest, then cypress mixed hardwoods, also shrub swamp and emergent marsh; gazebo located at end of boardwalk on lake.	Excellent, county nature center.	Excellent site	EE	L, S, U	Levels H, within 0.75 ft of stain lines on boardwalk piers; lake has outflow to southwest, but it may only be a highwater overflow, confirm this.	EH	Outside amoeba	No	1	4	SJR	No	Yes, 7 photos taken.
ECF	332	Lake Mary @ Umatilla Cemetery	N 28 55.548	W 81 40.742	4/29/2003	Umatilla, city cemetery on W side of lake.	Cemetery plot area extends down to the shrub/littoral edge of small lake; portions of shoreline undeveloped.	Excellent, city cemetery.	Excellent site	EE	L, U	Levels H, within 1.0 ft of water marks.	EH	Outside amoeba	No	1	4	SJR	No	Yes, 3 photos taken.

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ECF	333	Clear Lake Recreation Area, Ocala NF	N 28 58.684	W 81 33.251	4/29/2003	Ocala National Forest.	Campground, roads and trails in a pine forest adjacent to lake; boat launch area, easy access, open water area, water lilies scattered, graminoid and Hypericum fasciculatum edge.	Excellent, recreation area in National Forest.	Excellent site	EE	L, M, U	Levels M to H, within 1.0 to 1.5 ft of water marks; staff gauge present, reading was 2.28 ft.	EMH	Outside amoeba	No	1	4	SJR	No	Yes, 8 photos taken.
ECF	334	Big Bass Lake Recreation Area, Ocala NF	N 28 59.185	W 81 46.989	4/29/2003	Ocala National Forest.	Dry basin, looks like an old field, some muck in the surficial soil horizon almost up to upland edge.	Excellent, recreation area in National Forest.	Excellent site	EE	L,M, U	Levels low, about 4 feet below high water marks; areas looks like an old field rather than a lake.	EL	Outside amoeba	No	1	2	SJR	No	Yes, 4 photos taken.
ECF	335	Sinkhole pond @ Big Bass Lake Recreation Area	N 28 59.141	W 81 47.116	4/29/2003	Ocala National Forest.	Sinkhole pond near entrance to recreation area; residual water lily pond in center; remain basin is quite dry.	Excellent, recreation area in National Forest.	Excellent site	EE	P, U	Levels L to M., about 3 to 3.5 ft below high water marks.	EML	Outside amoeba	No	1	3	SJR	No	Yes, 3 photos taken.
ECF	336	Nicotoon Lake, Ocala NF	N 28 59.369	W 81 42.700	4/29/2003	Ocala National Forest.	Series of connected pond/lake basins.	Excellent, recreation area in National Forest.	Excellent site	EE	L, M, U	Levels L to M	EML	Outside amoeba	No	1	3	SJR	No	No photo taken.
ECF	338	Lake 1 @ Royal Highlands Subdiv.	N 28 39.834	W 81 51.297	4/30/2003	Royal Highlands subdivision, off of US 27.	Lakes in residential subdivision used for aesthetics and stormwater water management; stormwater retention ponds discharge into lake, ponds treated with copper sulfate.	Possible easement, may be drainage easement for stormwater facilities.	Good site.	PG	L	Levels M.	GM	Outside amoeba	No	4	4	SJR	No	Yes, 8 photos taken.
ECF	339	Lake 2 @ Royal Highlands Subdiv.	N 28 39.564	W 81 51.459	4/30/2003	Royal Highlands subdivision, off of US 27.	Lakes in residential subdivision used for aesthetics and stormwater water management; stormwater retention ponds discharge into lake, ponds treated with copper sulfate.	Possible easement, may be drainage easement for stormwater facilities.	Good site.	PG	L	Levels M.	GM	Outside amoeba	No	4	4	SJR	No	Yes, 3 photos taken.
ECF	340	Pond/marsh at Royal Highlands	N 28 39.998	W 81 51.905	4/30/2003	Royal Highlands subdivision, off of US 27.	Wetland adjacent to clubhouse area.	Possible easement, may be drainage easement for stormwater facilities.	Good site.	PG	L	Levels M.	GM	Outside amoeba	No	4	4	SJR	No	No photos taken.

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ECF	341	FDOT Wetland mitigation site @ Turnpike	N 28 40.724	W 81 51.374	4/30/2003	Adjacent to Florida Turnpike	Mitigation wetland (marsh) with some tree and shrub plantings.	Excellent, FDOT mitigation site.	Excellent site	EE	M, U	Levels L to M, rising after drought.	EML	Outside amoeba	No	1	3	SJR	No	Yes, 3 photos taken.
ECF	343	Greenhouse Lake	N 28 43.445	W 81 51.909	4/30/2003	County park on former UF/IFAS property.	Small lake with mixed open water and marsh; shoreline mostly undeveloped; grassed slope down to water at the abandoned greenhouse complex (UF/IFAS). Parcel is now part of County park.	Excellent, county park land.	Excellent site	EE	L, M, U	Levels H, within 0.75 ft of stain lines; lake has outflow to southwest to another small lake, but basin may be closed.	EH	Outside amoeba	No	1	4	SJR	No	Yes, 2 photos taken.
ECF	344	Fountain Lake Park	N 28 51.513	W 81 54.998	4/30/2003	Fruitland Park	Park and recreation area on the S side of lake provide easy access; open water with narrow littoral fringe; residences surrounding north side, lots are large and houses are set back.	Excellent, city park land.	Excellent site	EE	L, U	Levels M, about 2 ft below high water marks.	EM	Outside amoeba	No	1	4	SJR	No	Yes, 4 photos taken.
ECF	345	Lake Dyches, Leesburg	N 28 48.502	W 81 54.209	4/30/2003	SW section in City of Leesburg.	Multi-lobed lake basin surrounded by residential development.	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	L	Levels M.	GM	Outside amoeba	No	5	4	SJR	No	Yes, 3 photos taken.
ECF	346	Wet prairie in Legacy at Leesburg subdiv.	N 28 44.650	W 81 51.761	4/30/2003	Subdivision, off of US 27, south of Leesburg.	Multi-lobed graminoid wet prairie basin 50 % surrounded by new residential development.	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	M	Levels M.	GM	Outside amoeba	No	5	4	SJR	No	Yes, 5 photos taken.
ECF	347	Wetland in Highland Lakes subdiv.	N 28 44.031	W 81 51.834	4/30/2003	Subdivision, off of US 27, south of Leesburg.	Large wetland near entrance, has conservation easement for mitigation area that lies adjacent to parking lot and grove of live oaks with an open, park-like understory.	Possible easement, there is a conservation easement on the wetland that may allow access.	Excellent site	PE	M, U	Levels M to H.	EMH	Outside amoeba	No	3	4	SJR	No	Yes, 5 photos taken.
ECF	348	Wetlands at Plantation at Leesburg subdiv.	N 28 42.946	W 81 52.475	4/30/2003	Subdivision, off of US 27, south of Leesburg.	Small wetland/pond surrounded by moderate density residential.	Possible easement, may be drainage easement for stormwater facilities.	Good site.	PG	M, U	Levels M.	GM	Outside amoeba	No	4	4	SJR	No	Yes, 4 photos taken.

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ECF	349	Twin Lakes at Pumpkin Center	N 28 43.122	W 81 49.768	4/30/2003	West of Howey in the Hills	Pair of small lakes in Pumpkin Center area, west of Howey in Hills	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	L, M	Levels L to M.	GML	Outside amoeba	No	5	4	SJR	No	Yes, 3 photos taken.
ECF	350	Lake Margareta	N 28 44.478	W 81 50.286	4/30/2003	West of Howey in the Hills	Small lake in Pumpkin Center area, west of Howey in Hills	No apparent public access, bur physically access would be easy from roadside.	Good site.	NG	L	Levels M.	GM	Outside amoeba	No	5	4	SJR	No	Yes, 3 photos taken.
ECF	351	Lake Illinois, Howey in Hills	N 28 43.024	W 81 46.729	4/30/2003	Howey in the Hills	Mostly a mix of marsh and shrub thicket. Basin is surrounded by city government complex, industrial and residential areas.	Excellent, city land borders lake.	Excellent site	EE	L, M, U	Levels H, within 1 ft of high water marks.	EH	Outside amoeba	No	1	4	SJR	No	Yes, 3 photos taken.
ECF	328 A	Cardinal Cove Lake Park	N 28 51.332	W 81 39.735	4/29/2003	City of Eustis parks and recreation area.	Park area with boardwalk through lake and marsh, adjacent areas have recreation facilities.	Excellent, city park.	Excellent site	EE	L, M, U	Levels M to H, within +1.5 ft of water marks.	EMH	Outside amoeba	No	1	4	SJR	No	Yes, 10 photos taken.
ECF	328 B	Carver Park at Cardinal Cove Lake	N 28 51.409	W 81 39.689	4/29/2003	City of Eustis parks and recreation area.	Park area with boardwalk through lake and marsh, adjacent areas have recreation facilities.	Excellent, city park.	Excellent site	EE	L, M, U	Levels M to H, within +1.5 ft of water marks.	EMH	Outside amoeba	No	1	4	SJR	No	Yes, 3 photos taken.
ECF	337 A	Ponds 1 & 2 at Lake County Correctional Institution	N 28 37.464	W 81 45.845	4/30/2003	County Correctional, off of US 27, south of Lake Ridge Winery.	Ponds to south of entrance road at correctional facility, adjacent areas most cleared grassy , and open.	Excellent, county correctional institution.	Excellent site	EE	P, U	Levels M.	EM	Outside amoeba	No	1	4	SJR	No	Yes, 9 photos taken.
ECF	337 B	Lake at Lake County Correctional Institution	N 28 37.325	W 81 45.649	4/30/2003	County Correctional, off of US 27, south of Lake Ridge Winery.	Lake and marsh complex lying between the correctional facility and US 27.	Excellent, county correctional institution.	Excellent site	EE	L, M, U	Levels M.	EM	Outside amoeba	No	1	4	SJR	No	Yes, 5 photos taken.
ECF	342 A	Pond at Lake County Park site	N 28 43.742	W 81 52.457	4/30/2003	County park on former UF/IFAS property.	Pond in pasture area, but uplands will be restored by County.	Excellent, county park land.	Excellent site	EE	P, U	Levels H, within 1 ft of high water marks.	EH	Outside amoeba	No	1	4	SJR	No	Yes, 5 photos taken.

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ECF	342 B	Marsh at Lake County Park site	N 28 43.730	W 81 52.582	4/30/2003	County park on former UF/IFAS property.	Marsh/Pond in pasture area, but uplands will be restored by County.	Excellent, county park land.	Excellent site	EE	P, U	Levels H, within 1 ft of high water marks.	EH	Outside amoeba	No	1	4	SJR	No	No photos taken.
ECF	342 C	Marsh and pond at Lake County Park site	N 28 43.912	W 81 52.340	4/30/2003	County park on former UF/IFAS property.	Marsh/Pond in pasture area, but uplands will be restored by County.	Excellent, county park land.	Excellent site	EE	M, U	Levels M, about 2 ft below high water marks.	EM	Outside amoeba	No	1	4	SJR	No	Yes, 3 photos taken.

Appendix B
Inventory of CUP Monitoring Sites in ECF

Appendix B

GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-095-3317	OCU Eastern and Western Service Areas	44	Lake Wilkins - west of the Plymouth wellfield Sec 36, T20S, R 27E	PZ, SG	WK	Wetland	2	22.5	56.5	46		68.5	Manual	Plymouth Wellfield	Yes
2-095-3317	OCU Eastern and Western Service Areas	44	Lake Standish	PZ, SG	WK		2	14.1	59.9	49.4		63.5	Manual		Yes
2-095-3317	OCU Eastern and Western Service Areas	44	Crooked Lake	PZ, SG	WK		2	26.1	48.9	38.4		64.5	Manual		Yes
2-095-3317	OCU Eastern and Western Service Areas	44	Oak Lake - immediately northeast of the Western Regional wellfield	PZ, SG	WK		2	25	105.9	95.4		120.4	Manual		Yes
2-095-3317	OCU Eastern and Western Service Areas	44	unnamed pond - immediately southwest of the Western Regional wellfield	PZ	WK		2	25	49	38.5		63.5	Manual		Yes
2-095-3317	OCU Eastern and Western Service Areas	44	Lake Lucy - south of the Western Regional wellfield and north of the Oak Meadow wellfield	PZ, SG	WK		2	30	51.3	40.8		70.8	Manual		Yes
2-095-3317	OCU Eastern and Western Service Areas	44	Lake Herrick - immediately north of the Oak Meadow wellfield	PZ, SG	WK		2	25	51.8	41.3		66.3	Manual		Yes
2-095-3317	OCU Eastern and Western Service Areas	44	Lake Hiawassee	PZ, SG	WK		2	24.5	61	50.3		75	Manual		Yes
2-095-3354	Orange County Landfill	20	Max Hall Park	VG, SG, PZ	2YR	Wetland							Manual	NA	Yes
2-069-2478	City of Clermont	28	Jack's Lake (Sec 20, T 22 S, R 26 E), Clermont, Lake County	PZ	WK								Automatic	Yes	Yes
2-069-2478	City of Clermont	28	Lake Felter (Sec 32 & 33, T. 22 S, R 26 E; Sec 4 & 5, T 23 S, R 26 E), Clermont, Lake County	PZ	WK								Automatic	Yes	Yes
2-069-2478	City of Clermont	28	Unnamed Lake (Sec 21 & 28, T 23 S, R 26 E) north of Trout Lake and east of Bradshaw Rd, Clermont	PZ	WK								Automatic	Yes	Yes
2-069-2478	City of Clermont	28	Unnamed Lake (Sec 1, T 22 S, R 25 E) east of E. Apshawa Rd., Minneola, Lake County	PZ	WK								Automatic	Yes	Yes
2-069-2478	City of Clermont	28	Forested Wetland (Sec 10 & 11, T 22 S, R 26 E), Montverde, Lake County	PZ	WK								Automatic	Yes	Yes
2-069-2478	City of Clermont	28	Forested wetland (Sec 22, 23 & 26, T 22 S, R 26 E), Clermont, Lake County	PZ	WK								Automatic	Yes	Yes
2-069-2482	City of Fruitland Park	23	Mirror Lake	SG	WK								Manual	NA	

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-069-2718	Plantation at Leesburg	22	Sawgrass Lake	SG	WK								Manual	NA	
2-069-2718	Plantation at Leesburg	21	PZ-1, SG-1	PZ, SG	MO								Manual	NA	
2-069-2718	Plantation at Leesburg	21	PZ-3, SG-3	PZ, SG	MO								Manual	NA	
2-069-2718	Plantation at Leesburg	21	PZ-2, SG-2	PZ, SG	MO								Manual	NA	
2-069-2849	Clermont West Sand Mine	19	Staff Gauge in perimeter ditch	SG	MO								Manual	NA	
2-069-2849	Clermont West Sand Mine	18	Staff Gauge in Mine Pit	SG	MO								Manual	NA	
2-069-5736	Tarmac America	20	MW-4	MW	MO								Manual	NA	
2-069-5736	Tarmac America	20	MW-5	MW	MO								Manual	NA	
2-069-5736	Tarmac America	20	MW-6	MW	MO								Manual	NA	
2-069-5736	Tarmac America	21	Staff gauge in NE wetland	SG	MO								Manual	NA	
2-069-5736	Tarmac America	21	Staff gauge in NW wetland	SG	MO								Manual	NA	
2-069-66769	Cherry Lake Golf Course at the Summit	14	Cherry Lake	SG	WK								Manual	NA	
2-117-8230	Seminole County Northwest Service Area	38a	Unnamed wetland north of SR 46, Sanford (Sec 24 &25, T 19S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38b	Sylvan Lake at Sylvan Lake County Park (Sec 26, T 19 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38c	Middlemass Lake, Sanford (Sec 35, T 19 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38d	Unnamed wetland north of Markham Rd, Sanford (Sec 36, T 19 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38e	Pearl Lake, Sanford (Sec 36, T 19 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38f	Unnamed wetland east of the Markham Rd. and Orange Blvd. intersection, Heathrow(S31,T19S, R30E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38g	Lake Irish, Heathrow (Sec 35, T 19 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38h	Unnamed wetland sw of the Heathrow Blvd. and Bannana Lake Rd interesection (36-19-29&1-20-29)	PZ, SG	WK								Automatic	Yes	

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-117-8230	Seminole County Northwest Service Area	38i	Lake Marietta, Heathrow (Sec 1&2, T 20 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38j	Island Lake, Heathrow (Sec 1, T 20 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38k	Banana Lake, Heathrow (Sec 1, T 20 S, R 29 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38l	Twin Lakes (east portion) (Sec 39, T 19 S, R 30 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38m	Unnamed wetlands, west of Monterey Oaks subdivision, Sanford (Sec 39, T 19 S, R 30 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38n	Unnamed lake, encircled by Pickfair Ter, Lake Mary (Sec 5, T 20 S, R 30 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38o	Dawson Lake, Lake Mary (Sec 5, T 20 S, R 30 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38p	Lake Como, Lake Mary (Sec 37, T 20 S, R 30 E)	PZ, SG	WK								Automatic	Yes	
2-117-8230	Seminole County Northwest Service Area	38q	Crystal Lake (west portion) (Sec 8 & 9, T 20 S, R 30 E)	PZ, SG	WK								Automatic	Yes	
2-127-8528	City of Holly Hill	34	Forested wetland approx 200 feet west of Production Well 17 (GRS# 16369)	PZ	WK	Wetland							Manual	NA	
2-127-8747	New Smyrna Beach Wellfield	24a	P-1	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24a	P-2	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24a	P-3	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24a	P-4	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24a	P-9	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24a	P-10	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24a	P-11	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24a	P-13	PZ	WK	Wetland									

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-127-8747	New Smyrna Beach Wellfield	24b	G-1	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24b	G-2	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24b	G-3	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24b	G-4	PZ	WK	Wetland									
2-127-8747	New Smyrna Beach Wellfield	24c	U-1	PZ	MO	Upland									
2-127-8747	New Smyrna Beach Wellfield	24c	U-2	PZ	MO	Upland									
2-127-8747	New Smyrna Beach Wellfield	24c	U-3	PZ	MO	Upland									
2-127-8747	New Smyrna Beach Wellfield	24c	U-4	PZ	MO	Upland									
2-127-8747	New Smyrna Beach Wellfield	24d	P-16	PZ	WK	Wetland									
2-127-9157	City of Edgewater	22	Borrow Pit Piezometer - P2	PZ	Cont										
2-127-9157	City of Edgewater	22	Borrow Pit Staff Gauge	SG	DY/HR										
2-127-9157	City of Edgewater	28	Alan R. Thoma Water Plant Rain Guage	RG	DY										
2-127-9157	City of Edgewater	29	Alan R. Thomas Water Plant shallow aquifer well No. T3	PZ	WK										
2-127-9157	City of Edgewater	29	Western Wellfield shallow aquifer well	PZ	WK	Wetland									
2-127-9157	City of Edgewater	29	Off-site wetland shallow aquifer well	PZ	WK	Wetland									
2-095-3317	OCU Eastern and Western Service Areas	44	Lake Barbett - east of the Oak Meadow wellfield within Orange County's Orlo Vista Park	PZ	WK		2	20.5	98.2	87.7		108.2	Manual		
2-127-50590	Halifax Plantation	47	Ribbon Lake/Stormwater pond	SG	WK										
2-009-10647	City of Titusville	20	Parkway Wetland	PZ, SG	WK										
2-009-10647	City of Titusville	29	All-S1	PZ	MO	Wetland									Yes

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-009-10647	City of Titusville	29	All-S2	PZ	MO										Yes
2-009-10647	City of Titusville	29	All-S3	PZ	MO	Upland									Yes
2-009-10647	City of Titusville	29	All-S4	SG	MO	Wetland									Yes
2-009-10647	City of Titusville	29	All-S5	SG	MO	Wetland									Yes
2-009-10647	City of Titusville	29	AIII-S1	PZ	MO	Upland									Yes
2-009-10647	City of Titusville	29	AIII-S2	PZ	MO	Upland									Yes
2-009-10647	City of Titusville	29	AIII-S3	PZ	MO	Upland									Yes
2-009-10647	City of Titusville	29	AIII-S4	PZ	MO	Upland									Yes
2-009-10647	City of Titusville	29	AIII-S5	PZ	MO	Upland									Yes
2-095-3159	Orlando Utilities Commision	a	Unknown #, Orange Co Sec 21, 27 &28, T 23S, R 27E, Lake Hancock	PZ	DY										
2-095-3159	Orlando Utilities Commision	b	#9126, Orange Co. Sec 22, T 24S, R 28 E, Little Lake Bryan	PZ	DY										
2-095-3159	Orlando Utilities Commision	c	#8738, Orange Co. Sec 10, T 24S, R 28E, Lake Crowell from Diamond Cove Conservation Area	PZ	DY										
2-095-3159	Orlando Utilities Commision	d	#8422, Orange Co Sec32, T23S, R28E, SFWMD mon wells in cypress dome located in Tibet-Butler Nat Pres	PZ	DY										
2-095-3159	Orlando Utilities Commision	e	#8438, Orange Co Sec33 T23S, R29E, Bay head located in South Park Cir, in Southpark Office Center	PZ	DY										
2-095-3159	Orlando Utilities Commision	f	#7488, Orange Co. Sec 1 & 12, T 23 S, R 28E, Lake Cyrstal NE of Robert Trent Jones Dr., Orlando	PZ	DY										
2-095-3159	Orlando Utilities Commision	g	#6601, Orange Co., Sec 36, T 22 S, R 28E, Unnamed lake off Berks Ct., Orlando	PZ	DY										

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-095-3159	Orlando Utilities Commision	h	#6714, Orange Co., Sec 34 & 35, T 22 S., R 28 E, Unnamed Lake off Cassia Ct.	PZ	DY										
2-095-3159	Orlando Utilities Commision	i	#5824, Orange Co, Sec 22 & 27, T 22 S, R 28 E, Lake Sherwood off SR 50, Orlando	PZ	DY										
2-095-3159	Orlando Utilities Commision	j	#5485, Orange Co., Sec 15, T 22 S, R 28E, Lake Florence off Lake Florence Rd., Orlando	PZ	DY										
2-095-3159	Orlando Utilities Commision	k	#4871, Orange Co., Sec 3,4,9&10, T 22 S, R 28 E, Prairie Lake off Clarke Rd., Ocoee	PZ	DY										
2-095-3159	Orlando Utilities Commision	l	#5036, Orange Co., Sec 11, T 22 S, R 28 E, Lake Genie off Coral Cove Dr., Orlando	PZ	DY										
2-095-3159	Orlando Utilities Commision	m	#4883, Orando Co., Sec 1 & 12, T 22 S, R 28 E, Horseshoe Lake off Powers Rd., Orlando	PZ	DY										
2-095-3159	Orlando Utilities Commision	n	#4272, Orange Co., Sec 36, T 21 S, R 28E, Long Lake off Groveline Dr., Orlando	PZ	DY										
2-095-3159	Orlando Utilities Commision	o	#5297, Orange Co., Sec 16 &17, T 22 S, R 30 E, Lake Spier off Glenridge Way, Winter Park	PZ	DY										
2-095-3159	Orlando Utilities Commision	p	#5070, Orange Co., Sec 8 & 17, T 22 S, R 30 E, Lake Berry off Balmoral Dr., Winter Park	PZ	DY										
2-095-3159	Orlando Utilities Commision	q	#3137, Seminole Co., Sec 21, T 21 S, R 29 E, Lake Marion off Old Grove Ln., Longwood	PZ	DY										
2-095-3159	Orlando Utilities Commision	r	#2774 Seminole Co S1T21SR29E & S6T21SR30E, Island Lk S of Shoppes at Island Lake Shop. Cnt, Longwood	PZ	DY										
2-095-3159	Orlando Utilities Commision	s	#2787, Seminole Co, S 37, T 21 S, R 30 E, Lake Hodge at Lake Hodge Park off Osceola Tr. Casselberry	PZ	DY										
2-095-3159	Orlando Utilities Commision	t	#3343, Seminole Co., Sec 8, T 21 S, R 30 E, Quail Pond off Melody Ln., Casselberry	PZ	DY										

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-095-3159	Orlando Utilities Commision	u	#3363, Seminole Co., Sec 38, T 21 S, R 30 E, Clear Lake off Lake Dr., Casselberry	PZ	DY										
2-095-3159	Orlando Utilities Commision	v	#3710, Seminole Co., S23, T21S, R30E, Red Bug Lake at Red Bug Lake Park, off R.B.L. Rd, Casselberry	PZ	DY										
2-095-3159	Orlando Utilities Commision	y	#5583, Orange Co, Sec 21, T 22 S, R 32 E, Cypress Dome in Cypress Lakes developement	PZ	DY										
2-095-3159	Orlando Utilities Commision	x	#4502, Seminole Co, Sec 31, T 21 S, R 31 E, Little Lake Georgia	PZ	DY										
2-095-3159	Orlando Utilities Commision	w	#3832, Seminole Co., Sec 23, T 21 S, R 31 E, Lake Gem in Canterberry Retreat off SR 434, Oveido	PZ	DY										
2-127-8932	City of Ormond Beach		R1	PZ											Yes
2-127-8932	City of Ormond Beach		R2												Yes
2-127-8932	City of Ormond Beach		R3												Yes
2-127-8932	City of Ormond Beach		R4												Yes
2-127-50157	Volusia County	79a	Wetland #2 east portion of Goose Lake (Sec 24, T 18 S, R 30 E)	PZ			2	25	-15	-10		PL			
2-127-50157	Volusia County	79b	Wetland # 8, S of Saxon Blvd, West of Broward Ave, adj to Sonnys Barbecue	PZ			2	25	-15	-25		PL			
2-127-50157	Volusia County	79c	Wetland #5, Trout Lake, (Sec 24, T. 18 S., R. 30 E.)	PZ			2	23	-13	-23		PL			
2-127-50157	Volusia County	79d	Wetland #10, James Pond in Glen Abbey (Sec 26, T. 18 S., R 30 E.)	PZ			2	17	-7	-17		PL			
2-127-50157	Volusia County	79e	Wetland #12, Unnamed pond in the I-4 median (Sec 25, T. 18 S., R 30 E.)	PZ			2	22	-12	-22		PL			
2-127-50157	Volusia County	79f	Wetland #14, Lake Gleason at Lake Gleason Park (Sec 25, T. 18 S., R. 30 E.)	PZ			2	13	-3	-13		PL			
2-127-50157	Volusia County	79g	Wetland #17, Unnamed Pond SE of the Summerhaven Dr./Enterprise Rd intersection (Sec26, Twn18, Rge30)	PZ			2	15	-5	-15		PL			

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-127-50157	Volusia County	79h	Wetland #18, Unnamed pond in Glen Abbey (Sec 22, T. 18 S., R. 30 E.)	PZ			2	6	-1	-6	PL				
2-127-50157	Volusia County	79i	Wetland # 23, NW of cul-de-sac on Pine Valley Ct. in the Glen Abbey Subdivision	PZ			2	15	-5	-15	PL				
2-009-50245	City of Cocoa Beach	27	Well 38	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 44	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 5T	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 9T	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 10T	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 11T	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 12T-1	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 12T-2	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 13T	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 14T	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 15T	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Well 16T	PZ	WK	Wetland									Yes
2-127-8595	City of Port Orange	23	R-1	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	R-2	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	CR-10	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	CR-11W	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	CR-17	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	CR-19	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	CR-7	PZ	WK	Upland									

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-127-8595	City of Port Orange	23	CR-9	PZ	WK	Upland									
2-127-8595	City of Port Orange	23	CR-12	PZ	WK	Upland									
2-127-8595	City of Port Orange	23	CR-13	PZ	WK	Upland									
2-127-8595	City of Port Orange	23	CR-14	PZ	WK	Upland									
2-127-8595	City of Port Orange	23	CR-15	PZ	WK	Upland									
2-127-8595	City of Port Orange	23	MS-1	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	MS-2	PZ	WK	Wetland									
2-127-8595	City of Port Orange	23	MS-3	PZ	WK	Wetland									
2-127-8834	City of Daytona Beach	24a	Tiger Bay Canal by the Volusia Co. Tomoka Correctional Institution (Sec 1, T 16S, R31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24b	Bennett Swamp tributary at Indian lake Rd. crossing, Tiger Bay State Forest(S25, T15S, R31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24c	Indian Lake, Tiger Bay State Forest (Sec 26, T 15S, R 31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24d	Coon Pond, Tiger Bay State Forest (Sec 26, T15S, R31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24e	Scoggins Lake, Tiger Bay State Forest (Sec 23, T15S, R31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24f	Thayer Canal at LPGA Blvd. (Sec 29, T15S, R32E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24g	Bennett Swamp tributary on the north side of Tiger Bay State Forest (Sec 25, T15S, R 31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24h	Bennett Swamp off road opposite well 20, Tiger Bay State Forest (Sec 25, T15S, R31E)_	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24i	Bennett Swamp off road crossing(south side)east of Scoggins Lake,Tiger Bay State Forest (24, 15, 31)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24j	Forested wetland off Bear Island Rd., Tiger Bay State Forest (Sec 26, T15S, R31E)	PZ	DY	Wetland									

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-127-8834	City of Daytona Beach	24k	Forested wetland on the west side of the Brennan Water Treatment Plant, east of LPGA Blvd(29,15,32)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24l	Forested wetland on the west side of LPGA Blvd, Tiger Bay State Forest (Sec 32, T15S, R 32E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24m	Forested wetland on the north side of Old Deland Rd., Tiger Bay State Forest (Sec 5, T16S, R32E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24n	Forested wetland on the south side of Old Deland Rd., north of S.R. 92 (Sec 6, T16S, R32E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24o	Forested wetland east of Red John Dr, south of Vol. Co. Law Enf. Pris. Del area (Sec1, T16S, R31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24p	Forested wetland off the northeast intersection of Indian Lake Rd, and Olson Dr (Sec 1, T16S,R31E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24q	Forested wetland off the east end Olson Dr. (Sec 6, T16S, R32E)	PZ	DY	Wetland									
2-127-8834	City of Daytona Beach	24r	Forested wetland between S.R. 92 and I-4, City of Daytona Beach property (Sec 18, T16S, R32E)	PZ	DY	Wetland									
2-001-11339	Gainesville Regional Utilities		Wetland B	PZ	WK	Wetland						162.058			
2-001-11339	Gainesville Regional Utilities		Wetland C	PZ	WK	Wetland						169.772			
2-001-11339	Gainesville Regional Utilities		Wetland D	PZ	WK	Wetland						170.29			
2-001-11339	Gainesville Regional Utilities		Wetland E	PZ	WK	Wetland						174.83			
2-001-11339	Gainesville Regional Utilities		Wetland F	PZ	WK	Wetland	2	10.5				166.5			
2-001-11339	Gainesville Regional Utilities		Wetland A	PZ	WK	Wetland						156.108			

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GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-001-11339	Gainesville Regional Utilities		Wetland G	SG	WK	Wetland						165.98			
2-069-2581	Marian Gardens	19a	Red Maple Swamp, Located south of SR 50 (sec 17 & 18, T 22 S, R 24 E)	PZ	WK	Wetland									Yes
2-069-2581	Marian Gardens	19e	Big Prairie (Sec 5 & 6, T 22 S, R 24 E)	PZ	WK	Wetland									Yes
2-069-2581	Marian Gardens	19d	Shallow Marsh, located north of Gano Field (Sec 5, T 22 S, R 24 E)	PZ	WK	Wetland									Yes
2-069-2581	Marian Gardens	19c	Wet Prairie, located north of SR 50, south of main drainage canal (Sec 8, T 22 S, R 24 E)	PZ	WK	Wetland									Yes
2-069-2581	Marian Gardens	19b	Shallow Marsh, located south of SR 50 (Sec 18, T 22 S, R 24 E)	PZ	WK	Wetland									Yes
2-127-8932	City of Ormond Beach		RC1	PZ	WK	Upland									
2-127-8932	City of Ormond Beach		RC2	PZ	WK	Upland									
2-127-8932	City of Ormond Beach		RC3	PZ	WK	Upland									
2-127-8932	City of Ormond Beach		R5 - Cypress Dome near P54	PZ	WK	Wetland									
2-127-8932	City of Ormond Beach		R6 - Chain Fern Marsh near P55	PZ	WK	Wetland									
2-127-8932	City of Ormond Beach		R7 - Bayhead Near P56	PZ	WK	Wetland									
2-069-2387	474 Sand Mine	22	T1 - DEP monitoring location	PZ	MO	Wetland								Rain Gauge at start of Transect	
2-069-2387	474 Sand Mine	22	T2 - DEP Monitoring Location	PZ	MO	Wetland								Rain Gauge at start of Transect	
2-069-2387	474 Sand Mine	22	T3 - DEP Monitoring Location	PZ	MO	Wetland								Rain Gauge at start of Transect	
2-069-2387	474 Sand Mine	22	Staff Gauge - DEP Monitoring Location	SG	MO	Wetland									
2-069-2387	474 Sand Mine	22	T4 - DEP Monitoring Location	PZ	MO	Wetland								Rain Gauge at start of Transect	
2-069-2796	City of Groveland	22a	Forested wetland next to Big Bear Lake, Bisected by Empire Church Rd (Sec 25, T 22 S, R 24 E)	PZ	WK	Wetland									

Appendix B

GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-069-2796	City of Groveland	22b	Staff Gauge on Big Bear Lake (Sec 25, T. 22 S., R 24 E)	SG	WK	Wetland									
2-069-2796	City of Groveland	22c	Lake Audrey (Sec 24, T 22 S, R 24 E)	PZ	WK	Wetland									
2-069-2796	City of Groveland	22d	Stewart Lake Swamp (Sec 30, T 22 S, R 25 E)	PZ	WK	Wetland									
2-069-2796	City of Groveland	22e	Palatlakaha River Swamp (Sec 18, T 22 S, R 25 E)	PZ	WK	Wetland									
2-069-2886	City of Minneola	22a	Unnamed Marsh OV-1, (Sec 1, Twn 22 S) Rge 25 E)	PZ	WK	Wetland									
2-069-2886	City of Minneola	22b	Grassey Lake (Sec 6 & 7, Twn 22 S, Rge 26 E)	PZ	WK	Wetland									
2-069-2886	City of Minneola	22c	Plum Lake (Sec 8 & 17, Twn 22 S, Rge 26 E)	PZ	WK	Wetland									
2-069-50279	Village Center Community Dev. District	41	LSU-PZ-1 Wetland #1	PZ	MO	Wetland									Yes
2-069-50279	Village Center Community Dev. District	41	LSU-PZ-2 Wetland # 2	PZ	MO	Wetland									Yes
2-069-50279	Village Center Community Dev. District	41	LSU-PZ-3 Wetland # 3	PZ	MO	Wetland									Yes
2-069-50279	Village Center Community Dev. District	41	LSU-PZ-4 Hollow Hole Lake	PZ	MO	Wetland									Yes
2-069-50279	Village Center Community Dev. District	41	LSU-PZ-OS-1 Lady Lake at Berchfield Road	PZ	MO	Wetland									Yes
2-069-50279	Village Center Community Dev. District	41	LSU-PZ-5 Wetland M-1	PZ	MO	Wetland									Yes
2-069-50279	Village Center Community Dev. District	41	LSU-PZ-OS-2 Crystal Lake in Fruitland Park	PZ	MO	Wetland									Yes
2-095-3368	City of Winter Garden	38	BRA #1 Forested Wetland off Siplin Rd, (Sec 2, 27 & 34, T 22 S, R 27 E)	PZ	WK	Wetland									
2-095-3368	City of Winter Garden	38	BRA#4, Marsh located at SW quadrant of Daniels Rd. and SR 50 (Sec 26, T 22 S, R 27 E)	PZ	WK	Wetland									
2-095-3368	City of Winter Garden	38	BRA#16 Unnamed borrow lake, located in SE quadrant of W. Plant St and CR 545 (Sec 22, T 22 S, R 27E)	PZ	WK	Wetland									

Appendix B

GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-095-3368	City of Winter Garden	38	BRA#34, Forested wetland west of Beulah Rd, (Sec 25 & 26, T 22 S, R 27 E)	PZ	WK	Wetland									
2-095-3368	City of Winter Garden	38	BRA# 35, Lake Beulah (Sec 36, T 22 S, R 27 E)	PZ	WK	Wetland									
2-095-3368	City of Winter Garden	38	BRA# 38, Forested wetland off West Orange Trail, (Sec1 & 12, T 22 S, R 27 E)	PZ	WK	Wetland									
2-095-3368	City of Winter Garden	38	BRA# 43 Forested Wetland off Ocoee-Apopka Rd, near Softball Park (Sec 7 & 18, T 22 S, R 28 E)	PZ	WK	Wetland									
2-095-3368	City of Winter Garden	38	BRA# 51 Marsh located east of Lake Whitney Elementary School (Sec 31, T 22 S, R 28 E)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xa	Forested wetland bisected by Lake Mary Rd (Sec 17, T 20 S, R 30 E)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xb	Forested wetland in Lake Forest development (Sec. 19 & 30, T. 19 S., R 30 E.)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xc	Lake Myrtle (Sec. 24 & 25, T. 20 S., R. 29 E., ans Sec. 30, T 20 S., R. 29 E)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xd	Forested wetland at Alaqua Lakes development (Sec 11 & 14, T. 20 S., R 30 E.)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xe	Yankee Lake (Sec. 22, 23 & 266, T. 19 S., R. 29 E)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xf	Forested wetland located south of SR 417 and north of Vilhem Rd (Sec. 39, T. 19 S., R. 30 E.)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xg	Unnamed Lake, located west of Timacuan Blvd. (Sec 8, T. 20 S., R. 30 E.)	PZ	WK	Wetland									
2-117-8282 & 2-117-162	City of Lake Mary& City of Sanford	xg	Lake Sten (Sec 31 & 39, T. 19 S., R. 30 E.)	PZ	WK	Wetland									
2-117-3835	Alaqua Lakes			PZ		Wetland									

Appendix B

GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-009-10647	City of Titusville	ya	A4-1 Cypress dome, located east of RR (Sec. 5, T. 19 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yb	A4-2 Shallow Marsh, East of RR (Sec 5, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yc	A4-3 Cypress strand (Sec 4 & 5, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yd	A4-4 Cypress/cabbage palm dome (Sec. 5, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	ye	A4-5 Cypress strand (Sec 4, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yf	A4-6 Cypress dome (Sec 4 & 5, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yg	A4-7 Cypress dome (Sec 5., T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yh	A4-8 Cypress dome (Sec. 6, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yi	A4-9 Cypress dome/Shallow Marsh (Sec 5 & 8, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yj	A4-10 Cypress strand (Sec 9, T. 20 S., R. 34 E)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yk	A4-11 Cypress dome (Sec. 41, T. 20 S., R. 43 E.)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yl	A4-12 Cypress strand (Sec. 41, T. 20 S., R. 43 E)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	ym	A4-C1 Shallow Marsh (Sec. 31, T. 19 S., R. 34 E)	PZ	WK	Wetland									No
2-009-10647	City of Titusville	yn	A4-C2 Cypress dome (Sec 6, T. 20 S., R. 34 E.)	PZ	WK	Wetland									No
2-127-8693	Hagstrom/Weston	25	Bowman Lake	SG	WK	Wetland									
2-001-1672	Meadowbrook Golf Course at Gainesville	25	South Basin												
2-001-1672	Meadowbrook Golf Course at Gainesville	25	West Basin												
2-009-202	Palm Bay Utilities	38	Staff Gauge 21-1	SG	WK	Wetland									
2-009-202	Palm Bay Utilities	38	Monitor Well 29A-1	PZ	WK	Wetland									
2-009-202	Palm Bay Utilities	38	Monitor Well 29A-2	PZ	WK	Wetland									

Appendix B

GRS No	Permit Name	Condition	Mon Loc	Mon Type	Mon Freq	Habitat	Well Diameter	Well Depth	Screen Top	Screen Bottom	Well Bottom	Well Elevation	Data Col	Rainfall	Active
2-009-202	Palm Bay Utilities	38	Staff Gauge 29A-2	SG	WK	Wetland									
2-009-202	Palm Bay Utilities	38	Monitor Well 29A-3	PZ	WK	Wetland									
2-009-202	Palm Bay Utilities	38	Monitor Well 29A-4	PZ	WK	Wetland									
2-009-50245	City of Cocoa Beach	27	Jim Creek Reference Transect 1 - RF1-5	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Jim Creek Reference Transect 1 - RF1-1	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Jim Creek Reference Transect 2 - RF2-1	PZ	WK	Wetland									Yes
		27	Jim Creek Reference Transect 2 - RF2-4	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Jim Creek Reference Transect 2 - channel	SG	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Jim Creek Reference Transect 1 - channel	SG	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 3 - PZ1	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 3 - PZ4	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 3 - Staff Gauge	SG	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 5 - PZ1	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 5 - PZ4	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 5 - Staff Gauge	SG	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 8 - PZ1	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 8 - PZ4	PZ	WK	Wetland									Yes
2-009-50245	City of Cocoa Beach	27	Taylor Creek Downstream Transect 8 - Staff Gauge	SG	WK	Wetland									Yes

Appendix C
Development of Site Attributes

IDENTIFICATION OF AREAS WITH PROJECTED SURFICIAL AQUIFER WATER LEVEL DECLINES

The site selection process begins with identification of areas with projected surficial aquifer water level declines through 2013, the date by which the South Florida, St. Johns River, and Southwest Florida water management districts have concluded that water use is likely to reach the sustainable limits of the Floridan aquifer in the central Florida area (Figure 1). This conclusion is discussed in the document titled Recommended Action Plan for the Central Florida Coordination Area, September 18, 2006.

IDENTIFICATION OF AREAS WITH THE HIGHEST RISK OF UNACCEPTABLE IMPACTS OR HARM TO WETLANDS AND LAKES

The projected surficial aquifer water level declines developed in Step 1 are used as critical input to SJRWMD's models that predict the likelihood of harm to wetlands and lakes. These models were developed for use in SJRWMD's Water Supply Planning Program (Kinser et al. 1995, 2003) (Kinser et al. 2005). Through use of these models wetland and lake areas with the highest risk of unacceptable impacts or harm are identified (Figures 2 and 3).

PROJECTED IMPACTS TO WETLANDS

SJRWMD's process for assessing impacts to wetlands is described in Kinser and Minno (1995) and Kinser et al. (2003). The relative likelihood of harm to wetland vegetation due to projected 2013 groundwater withdrawals was assessed using a geographic information system (GIS) model. The GIS model integrated soil permeability, sensitivity of wetlands to dewatering, and projected declines in the water levels of the surficial aquifer system (SAS) to predict the likelihood of harm to wetland plant communities. The wetland constraints for the 2013 assessment were updated to reflect the wetlands criteria in the *Water 2020 Constraints Handbook* (SJRWMD et al. 2005). The wetland impact constraints are as follows:

- Lower likelihood of harm (<0.35 ft SAS drawdown)
- Moderate likelihood of harm (>0.35 to <1.2 ft SAS drawdown)
- Higher likelihood of harm (>1.2 ft SAS drawdown)

The likelihood of unacceptable impacts to native vegetation related to projected groundwater withdrawals varied throughout SJRWMD (Figure 2). The likelihood of unacceptable impacts is lower in most of the northern and extreme southern portions of SJRWMD, including all of Alachua, Baker, Duval, Clay, St. Johns,

Indian River, Nassau, Okeechobee, and Putnam counties. Most of the remainder of SJRWMD was identified as exemplifying moderate-to-higher likelihood of harm to wetland vegetation. Exceptions were lowlands associated with coastal lagoons and the valleys of the St. Johns and Ocklawaha rivers. The areas showing the highest likelihood of wetland impacts occurred along major landscape ridges throughout SJRWMD. These include the Atlantic Coastal Ridge in Volusia and Flagler counties and northern Brevard County, the Crescent City and DeLand ridges in northwestern and central Volusia counties, the Groveland Karst and Lake Wales Ridge regions of central and south Lake County, the Apopka Uplands and the Orlando Promontory of western Orange County, and the Casselberry-Oviedo-Geneva-Chuluota Hills region of west-central Seminole County.

PROJECTED IMPACTS TO LAKES

SJRWMD assessed the relative likelihood of harm to lakes due to projected changes in groundwater withdrawals (1995-2013) using a GIS model developed by Kinser et al. (2005). Six GIS data layers, each influencing or expressing groundwater-surface water interactions, were chosen as input to the model. These data layers include:

- Thickness of the upper confining unit separating the surficial and Floridan aquifer systems
- Head difference between surficial and Floridan aquifer systems
- Soil permeability
- Wetlands
- Topographic curvature
- Topographic deviation

These GIS layers were overlaid to identify regions susceptible to harm due to projected 2013 groundwater withdrawals. The output is a map representing the relative likelihood of harm to lakes produced by overlaying the lake susceptibility and modeled surficial aquifer drawdown layers. Susceptible areas are those identified as having a surficial drawdown ≥ 0.5 ft. This value is based on the lakes constraint established in the *Water 2020 Constraints Handbook* (CH2M HILL 2005). The regional patterns of likelihood of harm to lakes was very similar to that observed for likelihood of harm to wetland vegetation (Figure 3).

IDENTIFY SITES WITH HIGH PROBABILITY OF REFLECTING REGIONAL IMPACTS

Among wetlands and lakes, some are more sensitive to drawdown than others. The process design is intended to ensure representation of the most drawdown-

sensitive wetlands and lakes. A special priority is places on isolated wetlands not associated with lakes, because they have been largely ignored in the MFLs process to date and their small size makes them especially sensitive to drawdown. The process of assessing the extent to which a water body is likely to reflect the impacts of regional groundwater withdrawals was developed based on the general consensus of SJRWMD environmental scientists with experience in the assessment process for wetland impacts.

The principle design factors in the wetland site selection process were:

- Water body size
- Water body depth
- Water body landscape position

Additional landscape factors to consider in candidate site selection include:

- Basin size and slope
- Soil permeability
- Karst geology
- Surrounding landcover

These and other factors determine the hydrogeomorphic setting and character of the wetland. For example, an herbaceous or cypress depression can have either mineral or organic soils. The hydrologic characteristics of smaller wetlands may be determined by subsurface fractures or sinkholes. Bayheads occur mid-slope along a break in a confining layer, at the bottom of a slope where the water table reaches the surface, or in hydric flatwoods where the soils saturate to the surface. Consideration of the confounding effects of landscape alteration is necessary; ditching, roads, and other land use factors can alter wetland hydrology.

SUITABILITY OF WATER BODY FOR APPLICATION OF AVAILABLE MFL METHODS

A desirable MFL site must have soil characteristics for which an evaluation method exists. MFLs evaluation and threshold criteria are well-developed for water bodies with histosol soils. These methods are based on a large body of soils research and have been subjected to intensive peer review. Additionally, SJRWMD is in the advanced stages of developing soils criteria and a methodology for setting MFLs on sandhill lakes. The identification of soil indicators of characteristic hydrology is published (Richardson et al. 2005). The methodology has been site tested and a set of benchmark sites are being established. Separately, the criteria for setting MFLs for sandhill lakes are in review (Jones,

Edmunds & Associates, Inc. 2005). Thresholds based on capillary fringe are being developed at the Soil Sciences Department of IFAS at the University of Florida.

IDENTIFY SITES WITH ACCEPTABLE SITES CHARACTERISTICS

In general, MFLs site characteristics considered desirable include:

Habitat gradient— full habitat gradient present at site from aquatic and/or wetland up gradient to and including adjacent upland habitat.

Habitat quality— habitats present in relatively natural condition in terms of plant species composition and structure.

Disturbance— little to no physical disturbance to the aquatic or wetland system.

Hydrology— surface hydrology has not been significantly altered; with regard to surface hydrology the site is isolated (is not a flow-through system) or outflows only infrequently during flood conditions.

Stormwater inflow— no significant adverse effects to habitat, hydrologic regime or water quality due to inflows of urban or suburban stormwater.

Shoreline development— less than 30 percent of shoreline is cleared or altered for land development.

Land use protection— wetland or lake is on publicly owned land, or some form of land use protection exists.

Weedy and/or exotic species— weedy or exotic species absent or uncommon.

A number of factors may affect the presence and repeatability of sandhill lake soil indicators. These factors should be considered when assessing the suitability of a sandhill lake as a water body for which an MFL should be set. Site locality, topography, vegetation, and disturbances are important considerations when investigating frequent high and frequent low water elevations at sandhill lakes. Site selection criteria (Table 1) for sandhill lakes have been developed by SJRWMD for its MFLs Program because some areas display soil indicators that are inconsistent among different sites around a lake’s shoreline, while other areas display repeatable soil indicators that occur near the frequent high and frequent low water levels. These site selection criteria serve to maximize the accurate identification of repeatable soil indicators.

Table 1. Site selection criteria for the identification of frequent high and frequent low sandhill lake soil indicators

Site Selection Criteria	Rationale
Avoid disturbed areas	Disturbance disrupts soil morphology in the upper soil horizons
Utilize low energy shorelines	High-energy shorelines may experience heavy wave action, thus inhibiting the

Minimum Flows and Levels Candidate Site Selection and Prioritization Processes

	formation of sandhill lake soil indicators
Utilize short slope lengths (steep slopes)	Short slope lengths tend to display the greatest changes in soil morphology over short distances, thereby providing the best opportunity to accurately identify sandhill lake soil indicators
Avoid seepage slopes	Seepage slopes experience wetter conditions than provided by lake inundation alone, likely resulting in dissimilar soil morphology or misidentification of sandhill lake soil indicators
Avoid pine-dominated upland communities	Pine-dominated upland communities tend to be less common on sandhill lakes and produce more biomass of disparate chemistry, resulting in different soil morphology than that observed in hardwood-dominated upland communities
Avoid areas with more than a few inches of organic soil	Areas that develop organic soil on sandhill lakes are likely influenced by seepage, which may result in dissimilar soil morphology or misidentification of sandhill lake soil indicators

SITE ACCESSIBILITY

A candidate MFL site must be physically accessible in order to assess the suitability of the site and to perform the work necessary to establish MFLs. Access requires the permission of the owner or its agent.

IDENTIFICATION OF WATER BODIES FOR WHICH A LONG PERIOD OF HIGH QUALITY HYDROLOGIC DATA IS AVAILABLE

Water bodies identified as a result of Step 3 are further evaluated to identify those for which a long period of high quality hydrologic data is available. This data is necessary for the establishment and implementation of MFLs. This step results in a list of candidate sites, all of which satisfy the site selection criteria. SJRWMD anticipates that these sites or a subset of these sites will be added to future MFLs Priority Water Body Lists and Schedules to satisfy the requirements of Section 373.042(2), F.S.

The primary criterion for assessing the value of the hydrologic data is the length of the period of record. The longer the period of record, the more likely it is to represent the natural range of variation of surface water levels and, in particular, include more extreme events of high and low stages.

Several secondary valuation criteria important to assessing data quality are:

- Data frequency
- Data continuity
- Data quality assurance

DATA FREQUENCY

The frequency of observation may be daily, weekly, monthly, or less frequent. More frequent observations are preferred, however, weekly observations are satisfactory and monthly observations are adequate when the period of record is sufficient.

DATA CONTINUITY

Continuity of water level observations is very important to the application of the data. Gaps and irregular observations in the period of record require data interpolation and affect hydrologic model calibration. An added drawback associated with data gaps is the absence of data during more extreme climatic conditions. For example, gaps often occur during extreme dry conditions, as water levels fall below the range of staff gauges. Much less often, water levels can rise above the range of gauges during periods of high rainfall, and maximum water levels are not recorded.

DATA QUALITY ASSURANCE

Quality Assurance (QA) of hydrologic data is also a very important valuation criterion. Important QA considerations include:

Existence of a surveyed (to a registered monument) elevation for the staff gauge

Existence of surveyed elevation data from routine re-surveys to ensure stability of the topographic datum over time

Documentation of a chain of custody associated with the data

Existence of data in a computerized database

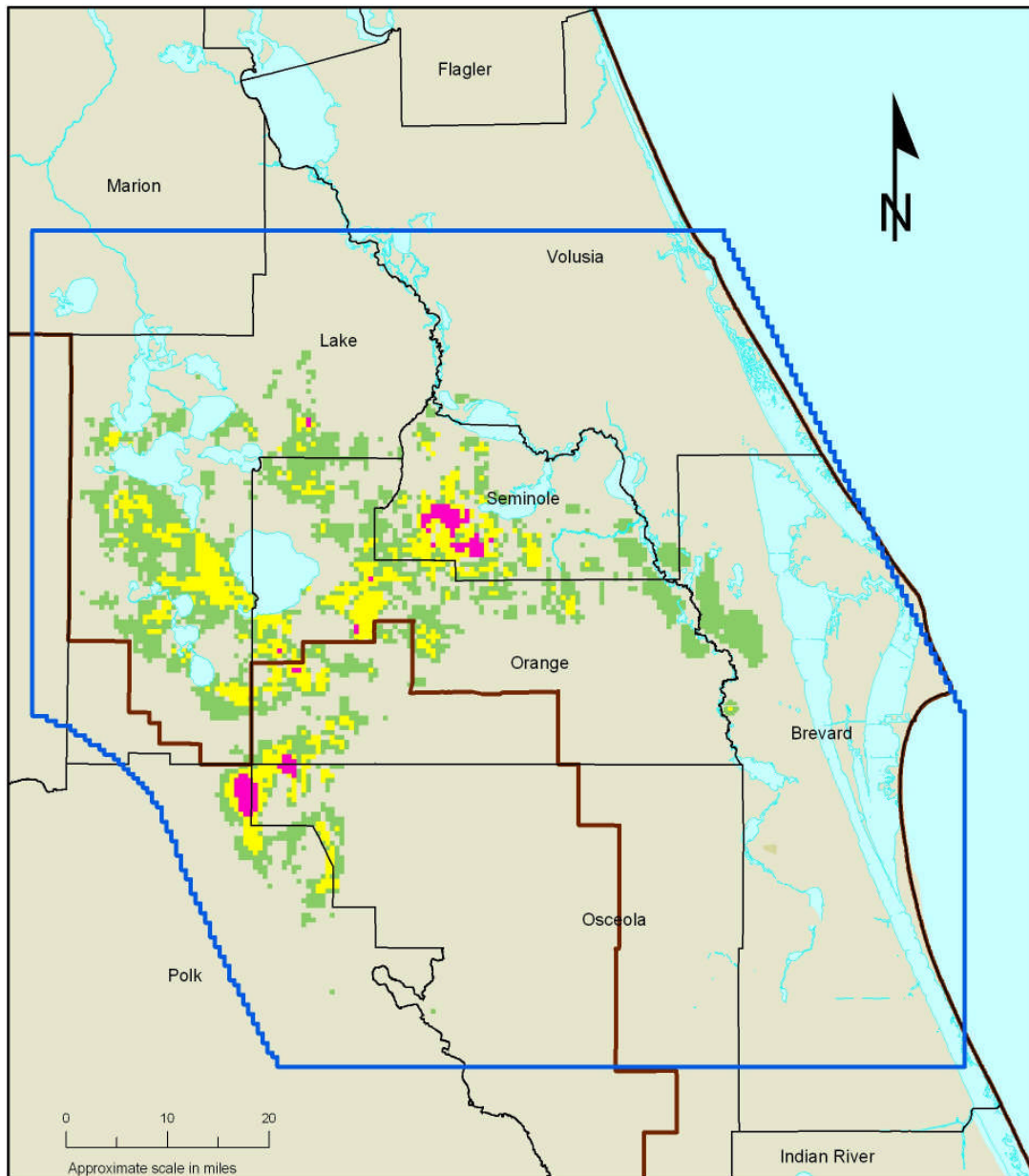
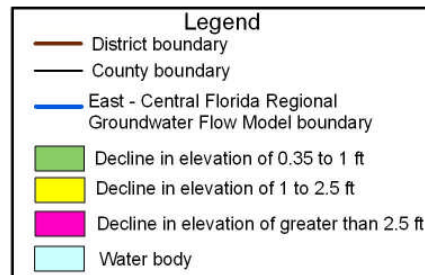


Figure 1. Projected changes in surficial aquifer system water levels in response to projected increases in groundwater withdrawals, 1995 - 2013



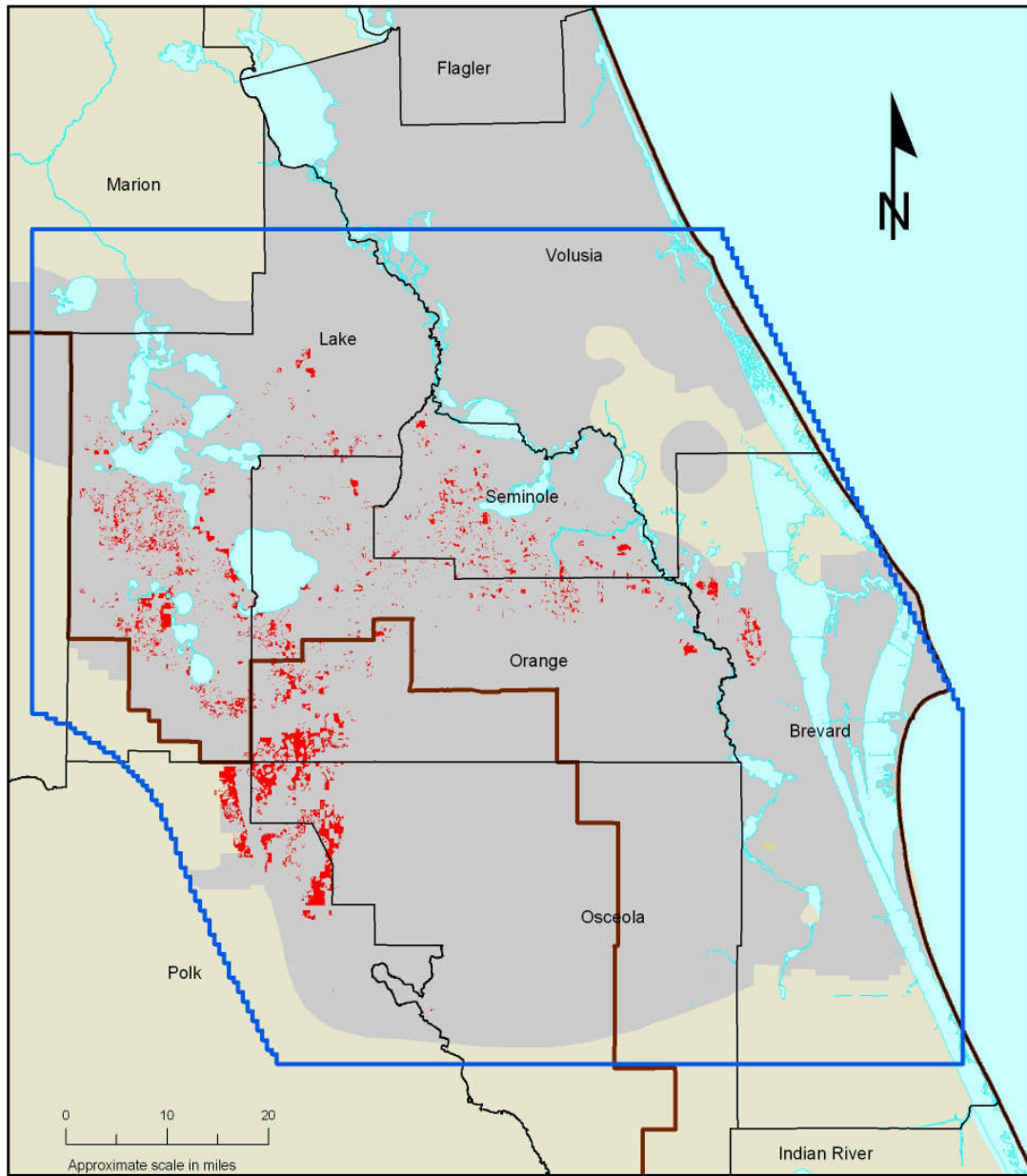
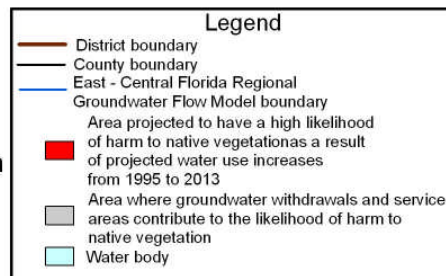


Figure 2. General areas within which anticipated water sources are not adequate to supply projected 2013 demands based on projected impacts to native vegetation



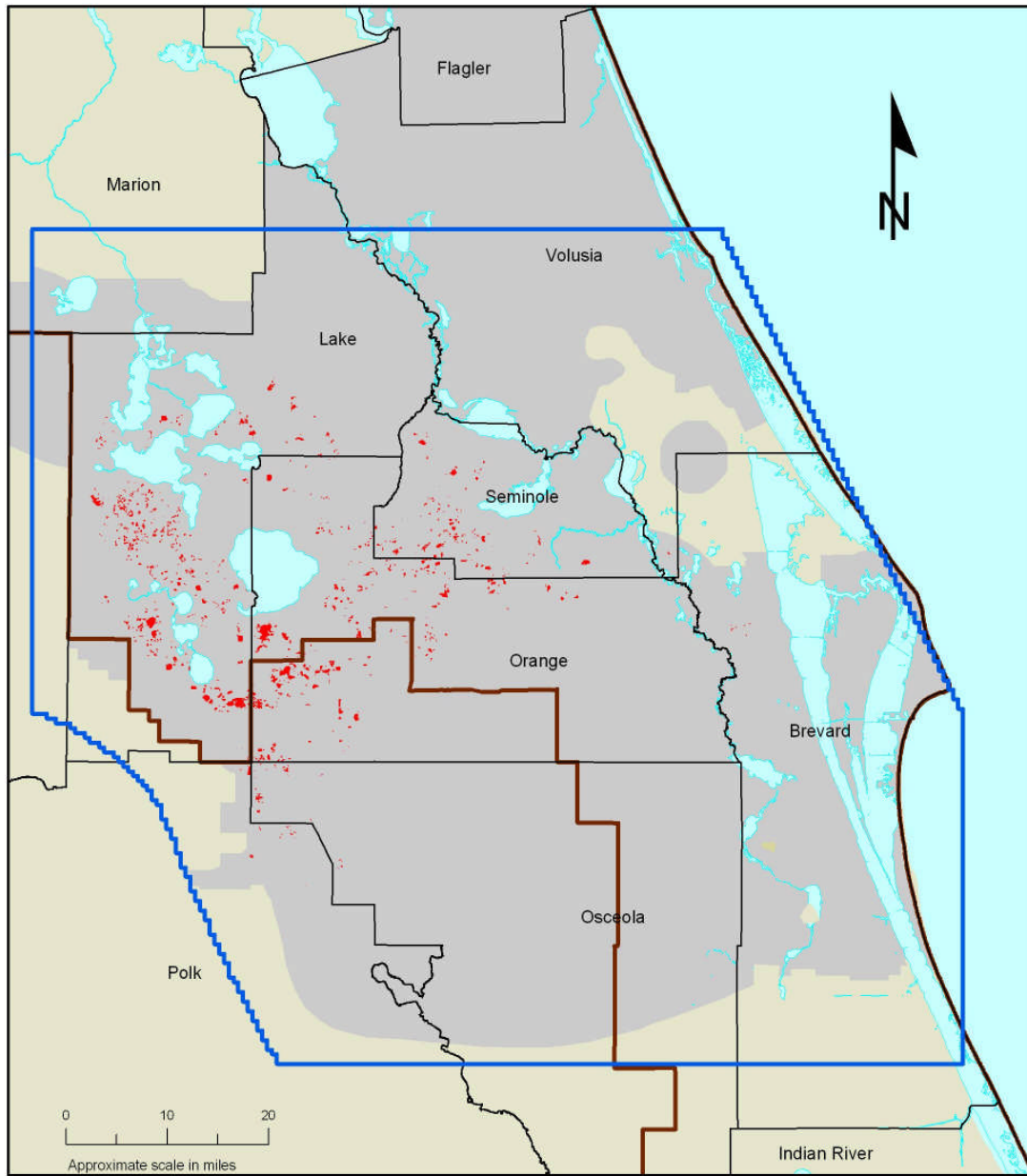
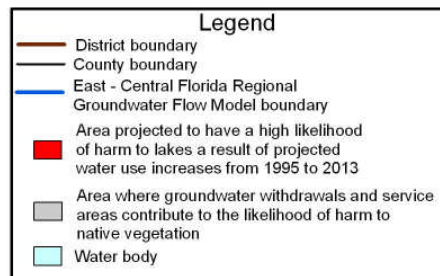


Figure 3. General areas within which anticipated water sources are not adequate to supply projected 2013 demands based on projected impacts to lakes



REFERENCES

Jones, Edmunds & Associates, Inc. 2005 (draft). Sandhill lakes minimum flows and levels: Values, functions, criteria, and thresholds for establishing and supporting minimum levels.

Jones, Edmunds & Associates, Inc. Gainesville, Fla.

Kinser, P., and M. Minno. 1995. Estimating the likelihood of harm to native vegetation from groundwater withdrawals, St. Johns River Water Management District. Technical Publication SJ95-8. St. Johns River Water Management District. Palatka, Fla.

Kinser, P., M. Minno, P. Burger, and S. Brown. 2003 (draft). *Modification of modeling criteria for application in the 2025 likelihood of harm assessment*. St. Johns River Water Management District, Palatka, Fla.

Kinser, P., Minno, M., and Brown, S., Dennizman, J. 2005 (draft). Estimating the likelihood of harm to lakes form groundwater withdrawals in the St. Johns River Water Management District for the year 2025. St. Johns River Water Management District. Professional Paper. Palatka, Fla.

Richardson, T.C., D.S. Segal, G.W. Hurt, G.B. Hall, R.J. Epting, and B.L. Skulnick. 2005. Methodology to predict frequent high and frequent low water levels in Florida sandhill lakes using soil morphology. Version 1.0. St. Johns River Water Management District. Palatka, Fla.

South Florida, St. Johns, Southwest Florida water management districts. 2006. Recommended Action Plan for the Central Florida Coordination Area. St. Johns River Water Management District. Palatka, Fla.

St. Johns River Water Management District and CH2M HILL. 2005. *Water 2020 Constraints Handbook*. Special Publication SJ 2005-SP8. St. Johns River Water Management District. Palatka, Fla.

St. Johns River Water Management District. 2006. *Water Supply Assessment, 2003*. Technical Publication SJ2006-1. St. Johns River Water Management District. Palatka, Fla.

Appendix D
Attribute Scores for Candidate MFL Sites

Appendix D

Site	Site Name	Latitude	Longitude	Source	Sas Decline	Veg/Lake Harm	Impact Risk	Site Char	Hydro Por
1	Lake Orienta at Lake	N 28 39.118	W 81 22.867	SM	10	0	8	6	6
2	Hammond Lake @ Lake L	N 28 26.001	W 81 43.519	SJR	5	0	5	10	0
2	Marsh pond connected	N 28 40.291	W 81 22.382	SM	10	0	8	2	4
3	Lake Marion	N 28 40.731	W 81 21.992	SM	10	0	8	1	2
4	Lake Florida	N 28 40.295	W 81 21.833	SM	5	0	8	2	4
5	Lake Adelaide	N 28 40.244	W 81 21.970	SM	5	0	8	8	4
7	Triplet Lakes Park at	N 28 40.394	W 81 19.560	SM	5	10	3	8	6
8	Triplet Lakes Swamp	N 28 39.564	W 81 19.389	SM	10	10	3	8	0
10	Lake Tony	N 28 40.269	W 81 17.312	SM	5	0	3	0	6
11	Lake Tony	N 28 40.263	W 81 17.313	SM	5	0	3	0	6
12	Lake Hodge Park	N 28 41.400	W 81 19.253	SM	10	10	3	10	6
13	Myrtle Lake	N 28 43.385	W 81 21.760	SM	10	0	1	2	6
14	Greenwood Lake Park	N 28 43.980	W 81 20.947	SM	5	0	1	5	6
17	Lake Bingham	N 28 44.284	W 81 18.617	SM	5	0	6	1	6
19	Lake Mary	N 28 44.809	W 81 19.010	SM	0	0	1	4	4
20	Lake Mary	N 28 44.901	W 81 18.708	SM	0	0	3	10	4
22	Liberty Park at Lake	N 28 46.091	W 81 19.083	SM	0	10	6	10	6
23	Lake Crystal @ commun	N 28 46.094	W 81 19.148	SM	0	0	6	10	6
24	Lake Emma @ Primera	N 28 45.663	W 81 21.340	SJR	0	10	1	5	1
33	Lake Markham	N 28 48.018	W 81 23.871	SM	0	0	1	5	6
34	Sylvan Lake Park--par	N 28 48.066	W 81 23.152	SJR	5	0	6	10	6
35	Sylvan Lake Park--mar	N 28 48.048	W 81 23.062	SJR	5	0	6	10	6
36	Sylvan Lake Park--edg	N 28 48.040	W 81 23.026	SJR	5	0	6	10	6
37	Yankee Lake	N 28 49.053	W 81 23.742	SM	5	0	1	5	2
41	Crystal Lake@ Communi	N 28 45.713	W 81 19.418	SJR	10	0	6	10	7
42	Crystal Lake@ Wesley	N 28 45.597	W 81 19.995	SJR	10	10	6	10	7
43	Lake Concord@ Anniver	N 28 40.355	W 81 20.175	SM	10	10	3	6	6
44	Quail Pond@ Anniversa	N 28 40.292	W 81 20.114	SM	10	10	3	6	2

Appendix D

Site	Site Name	Latitude	Longitude	Source	Sas Decline	Veg/Lake Harm	Impact Risk	Site Char	Hydro Por
45	Lake Wildmere	N 28 41.875	W 81 20.100	SM	10	0	3	2	6
46	Lake Yvonne (Quintupl	N 28 40.171	W 81 18.897	SM	10	0	3	2	6
47	Crystal Bowl	N 28 39.897	W 81 18.772	SM	10	0	3	2	6
48	Crystal Bowl Park	N 28 39.723	W 81 18.801	SM	10	0	3	5	6
50	Lake Kathryn	N 28 40.995	W 81 19.979	SM	10	0	3	0	6
51	Lake Searcy @ Sandalw	N 28 42.357	W 81 21.502	SM	10	10	3	1	6
53	Island Lake	N 28 41.733	W 81 21.659	SM	10	10	3	6	6
54	Island Lake at borrow	N 28 41.721	W 81 21.605	SM	10	0	3	1	6
57	Lakes Deforest and Be	N 28 46.863	W 81 18.556	SJR	0	0	1	2	0
61	Lake Geneva	N 28 44.725	W 81 06.646	SM	0	0	1	1	4
63	Flatwoods pond at Lk	N 28 43.638	W 81 06.040	SM	0	0	1	10	6
64	Lake Proctor marsh	N 28 43.741	W 81 06.123	SM	0	0	1	10	6
65	Geneva Wilderness Are	N 28 42.396	W 81 07.570	SJR	5	0	1	10	6
67	Lake Mills Park	N 28 37.956	W 81 07.304	SJR	5	0	1	10	0
68	Mirror Lake	N 28 40.080	W 81 26.293	SM	0	10	3	2	6
69	Bear Lakes	N 28 38.563	W 81 26.677	SM	5	0	5	2	6
70	Border Lake	N 28 40.186	W 81 27.710	OR	10	0	3	1	6
71	Lake Prevatt	N 28 42.535	W 81 29.296	SJR	5	10	3	10	6
76	Lake McKoy--site 2	N 28 41.038	W 81 29.975	SJR	10	0	3	6	3
78	Trout Lake	N 28 37.303	W 81 30.626	SJR	0	0	3	0	2
83	Horseshoe Lake	N 28 35.821	W 81 28.116	OR	5	0	3	1	6
85	Lawne Lake @ Gordon B	N 28 33.823	W 81 26.506	OR	0	0	5	6	6
92	Lake Down at boat ram	N 28 29.630	W 81 31.217	OR	0	0	5	6	6
93	Lake Bessie at Park	N 28 29.503	W 81 31.830	OR	5	10	10	10	6
97	Tibet Butler Preserve	N 28 26.805	W 81 32.283	OR	0	0	5	10	6
98	Tibet Butler Preserve	N 28 26.882	W 81 32.125	OR	0	0	5	6	6
99	Lake Starke--park at	N 28 34.262	W 81 32.507	SJR	5	0	5	10	6
106	Lake Starke--retentio	N 28 34.059	W 81 32.013	SJR	0	0	5	2	6

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Site	Site Name	Latitude	Longitude	Source	Sas Decline	Veg/Lake Harm	Impact Risk	Site Char	Hydro Por
112	Lake Lucy--retention	N 28 34.331	W 81 29.785	SJR	10	0	3	6	3
117	Lake Alden	N 28 42.009	W 81 32.081	OR	5	0	3	1	6
119	Lake Anne @ retention	N 28 41.380	W 81 32.791	OR	10	0	5	1	6
137	Mt Plymouth Lake Park	N 28 48.509	W 81 31.372	SJR	5	10	3	10	6
152	Dixie Lake @ Lake Lou	N 28 26.459	W 81 44.099	SJR	5	0	5	10	0
160	Depression @ entrance	N 28 27.177	W 81 43.388	SJR	5	0	5	10	0
161	Triple depression on	N 28 26.737	W 81 43.282	SJR	5	10	5	10	0
190	Keene Lake on W side	N 28 25.179	W 81 42.399	SJR	5	0	5	1	5
210	Black Lake	N 28 31.783	W 81 36.453	OR	5	10	5	1	6
217	Lake Avalon	N 28 30.784	W 81 38.237	SJR	10	0	5	5	5
219	L. Avalon--Secret Vis	N 28 30.436	W 81 38.675	SJR	5	0	5	5	5
220	Flat Lake	N 28 29.582	W 81 40.274	SJR	0	0	5	5	5
222	Sawgrass Lake @ Cook	N 28 26.178	W 81 41.224	SJR	5	10	5	1	0
227	Hickory Nut Lake @ YM	N 28 26.265	W 81 38.748	OR	0	0	5	1	6
228	Hickory Nut Lake @ Av	N 28 25.291	W 81 38.152	OR	0	0	5	1	6
229	Hickory Nut Lake @ Av	N 28 24.867	W 81 38.172	OR	0	0	5	1	6
232	Lake Hancock	N 28 27.147	W 81 36.733	OR	0	0	5	1	6
250	Lake Faith 2	N 28 28.221	W 81 22.018	SJR	0	0	5	1	0
251	Lake Seminary	N 28 38.629	W 81 21.482	SM	10	10	3	2	6
252	Lake Sybelia	N 28 37.664	W 81 22.093	OR	5	0	3	10	6
254	Lake Destiny	N 28 38.426	W 81 23.581	SM	5	0	5	2	4
263	Maggiore & Minore nea	N 28 44.097	W 81 36.392	SJR	5	0	3	9	4
264	Maggiore @ Zellwood E	N 28 44.200	W 81 36.138	SJR	5	0	3	9	4
266	Lake Joanna near Mt D	N 28 50.914	W 81 38.508	SJR	0	0	5	2	6
272	Lake Umatilla @ Guerr	N 28 55.058	W 81 39.986	LK	0	0	3	10	4
275	Long Lake off Groveli	N 28 36.964	W 81 28.448	OR	10	0	5	8	6
278	Lake Sherwood off SR	N 28 33.155	W 81 29.881	OR	0	10	3	8	6
282	Lake Berry off Balmor	N 28 35.128	W 81 19.783	OR	5	0	3	8	6

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Site	Site Name	Latitude	Longitude	Source	Sas Decline	Veg/Lake Harm	Impact Risk	Site Char	Hydro Por
291	Lake Beulah off Winde	N 28 32.060	W 81 33.725	OR	0	0	5	8	6
295	Crooked Lake	N 28 35.462	W 81 28.856	OR	10	0	3	8	6
300	Lake Mizell	N 28 35.961	W 81 20.342	OR	5	0	5	1	6
301	Lake Virginia	N 28 35.222	W 81 20.956	OR	5	0	3	6	6
302	Lost Lake	N 28 40.281	W 81 19.322	SM	5	10	3	6	2
303	Queens Mirror	N 28 39.790	W 81 19.600	SM	10	0	3	2	6
305	Lake Alpharetta	N 28 37.366	W 81 29.331	OR	0	0	3	1	6
306	Middle Triplet	N 28 40.176	W 81 19.764	SM	10	10	3	6	6
307	Lake Susannah south o	N 28 33.645	W 81 19.216	OR	0	0	5	1	6
310	Lake Hiawassee	N 28 31.980	W 81 28.816	SJR	10	10	3	8	5
315	Pearl Lake	N 28 47.705	W 81 22.065	SM	5	0	1	8	0
319	Lake Marietta	N 28 46.613	W 81 22.275	SM	0	10	1	8	6
320	Island Lake	N 28 46.490	W 81 22.283	SM	0	10	1	8	6
321	Banana Lake	N 28 46.629	W 81 21.808	SJR	0	0	3	8	0
322	Twin Lakes	N 28 47.340	W 81 20.007	SM	0	0	1	8	6
325	Dawson Lake	N 28 46.505	W 81 20.356	SM	0	0	1	8	1
330	Lake Saunders	N 28 48.974	W 81 42.004	SJR	5	10	3	1	6
345	Lake Dyches, Leesburg	N 28 48.502	W 81 54.209	LK	5	10	3	1	6
821	Island Lake	N 28 46.605	W 81 22.417	SM	0	0	1	2	6
1321	Lake Irma	N 28 35.697	W 81 15.705	SJR	10	0	3	1	6