

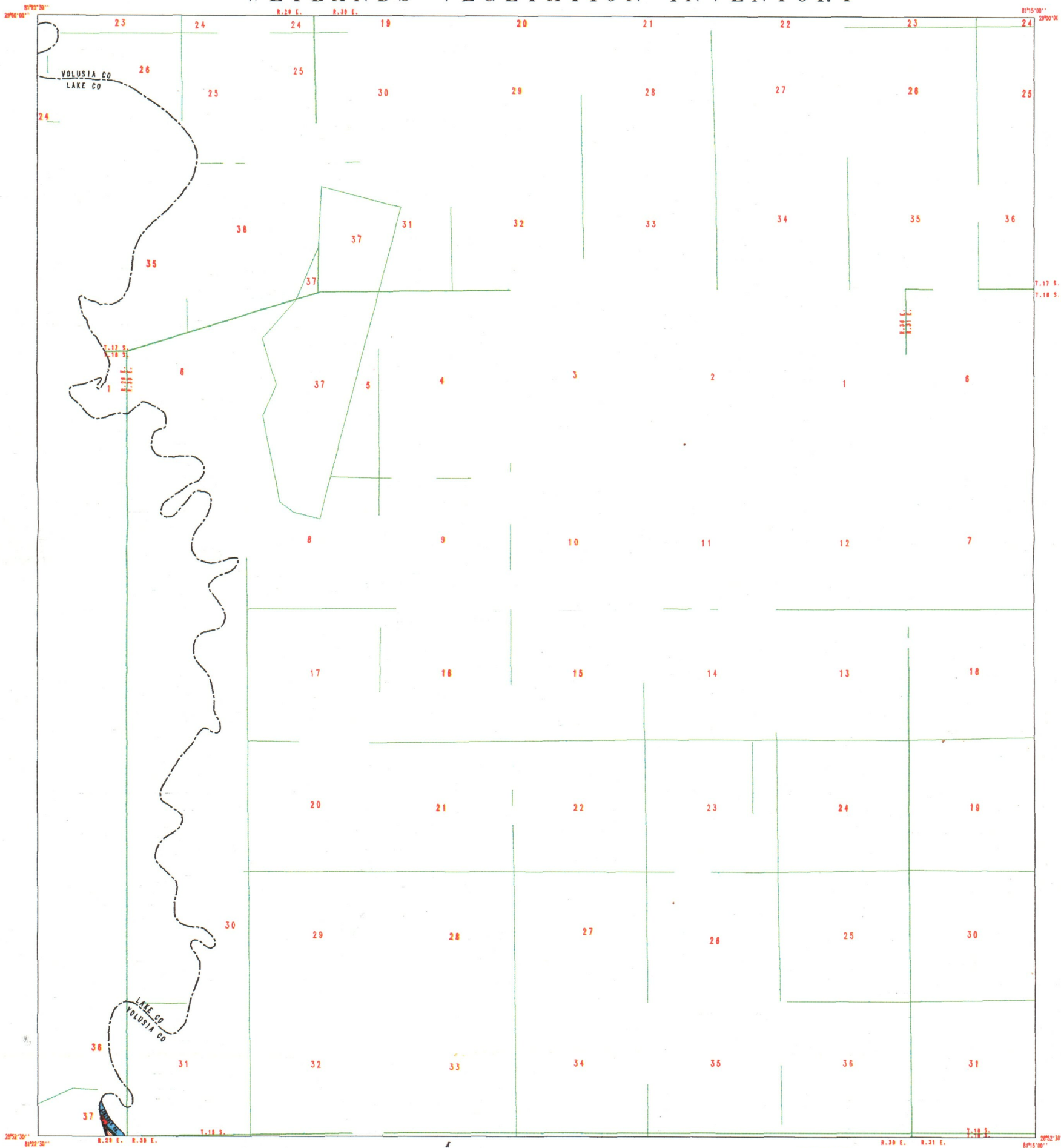
Technical Publication SJ88-4

**Wetlands Mapping: Wetlands
Vegetation Inventory
Seminole County**

By

Palmer Kinser

WETLANDS VEGETATION INVENTORY



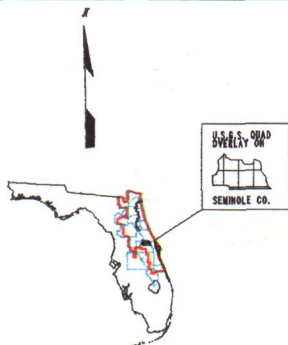
PREPARED BY:
TECHNICAL DATA SERVICES AND ENVIRONMENTAL SCIENCES DIVISIONS
WATER RESOURCES DEPARTMENT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
P.O. BOX 1429, PALATKA, FLORIDA 32077-1429

PRODUCED FROM 1:12000 SCALE COLOR INFRARED PHOTOGRAPHY AND
COMPILED USING COMPUTER GRAPHICS TECHNIQUES
DATES OF PHOTOGRAPHY: DECEMBER 15, 1983, FEBRUARY 26 AND MARCH 8, 1984

UNIVERSAL TRANSVERSE MERCATOR PROJECTION, CLARK 1866 ELLIPSOID
FLORIDA STATE PLANE SYSTEM, EAST ZONE

Project No. 20 024 17
Project Manager: Palmer Elmer
Field Verifications: Palmer Elmer and Bruce Ford
Cartography and Computer Graphics: Morris Williams, Chris Mayberry,
& Armando Calzadilla
Date of Completion: April 1987

NOTE:
This document was prepared to serve as a general guide to Seminole
County wetlands. It reflects conditions existing on the date of
photography and is subject to all limitations normally associated with
production of maps from stereoscopically interpreted aerial photography.
It is intended and made to define or locate specific, individual
boundaries of either federal, state, or local agencies, or
resulting from more specific information or previous activities which may
result in impacts to wetlands or adjacent land should contact the
appropriate regulatory agencies and obtain all necessary permits.



1/2 1/4 0 1/2 MILE
1:24000

LEGEND

	ACREAGE	PERCENT
FORRESTED		
CYPRESS	1	8.3
HARDWOOD SWAMP	0	0.0
BAYHEAD	0	0.0
HYDRIC HAMMOCK	0	0.0
NON-FORRESTED		
DEEP MARSH	1	8.3
SHALLOW MARSH	1	8.3
WET PRAIRIE	0	0.0
OPEN WATER	9	75.1
UPLAND	0	0.0
TOTAL	12	100.0

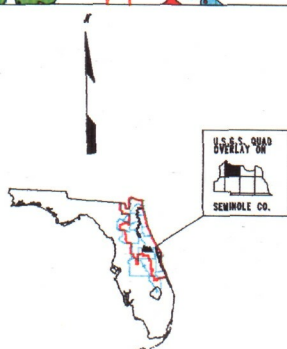
SEMINOLE CO. WETLANDS
(ORANGE CITY QUAD)
SJ 88-4, Part I

[illegible]

Project No. 20 624 17
Project Manager: Palmer Kinsler
Photo Interpretations: Palmer Kinsler
Field Verification: Palmer Kinsler and Bruce Ford
Cartography and Computer Graphics: Marvin Williams, Chris Mayberry,
& Armando Calaballo
Date of Completion: April 1987

NO 17: This document was prepared to serve as a general guide to Sanjiao County wetlands, it reflects conditions existing on the date of photography and is subject to all limitations normally associated with creation of maps from stereoscopically interpreted aerial photographs. No attempt was made to define or identify specific jurisdictional boundaries of either federal, state, or local agencies. Persons requiring more specific information or preparing activities which may result in impacts to wetlands or adjacent areas should contact the appropriate regulatory agencies and obtain all necessary permits.

SJ 88-4, Part III



FORESTED

- | | |
|---|----------------|
|  | CYPRESS |
|  | HARDWOOD SWAMP |
|  | BAYHEAD |
|  | HYDRIC HAMMOCK |
| <u>NON-FORESTED</u> | |
|  | DEEP MARSH |
|  | SHALLOW MARSH |
|  | WET PRAIRIE |
|  | OPEN WATER |
|  | UPLAND |

Forested wetlands dominated by bald or pond cypress and flooded seasonally for periods of long duration. Includes cypress dome, strand and lakeshore variants.

Forested wetlands typically dominated by a mixture of deciduous hardwoods and cypresses. Subject to annual, seasonal periods of prolonged flooding.

Forested wetlands dominated by one or more species of broadleaved evergreen bay trees. Shrub vegetation developing on bayhead after following fire or other disturbance is included in this category.

Forested systems dominated by a mixture of broadleaved evergreen and deciduous tree species. Seldom inundated but with saturated soils during much of each year.

Deep water herbaceous or graminoid communities dominated by water

Herbaceous or graminoid communities dominated by species such as
gumgrass, maidensrue, pickeral weed, arrowweed, or cattail.
Shrub communities dominated by willow or buttonbush are included
in this category. Subject to lengthy seasonal inundation.

Communities of grasses, sedges, rushes, and herbs typically dominated by sedge, cordgrass, manzanilla, salt grass, or a mixture of species. Usually inundated for a relatively short duration each year but with prolonged soil saturation. Areas of transitional shrub vegetation.

lakes, rivers, streams and manmade water bodies.

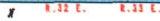
Non-walled vegetation and land use.

ACREAGE	PERCENT
336	1.1
842	2.7
731	2.4
1028	3.4
401	1.3
602	2.0
1122	3.7
3719	12.1
<u>21876</u>	<u>71.3</u>
30,557	100.0

This is a detailed map of Volusia and Seminole Counties, Florida. The map features a grid with red numbers 1 through 36. Key elements include:

- Geographic Labels:** "VOLUSIA CO" and "SEMINOLE CO" are labeled in the upper left. "LAKE JERRY" is labeled in the lower center. "GOLDEN LAKE" and "VOLUTIA LAKE" are labeled on the right side.
- Roads:** Several roads are labeled, including "CELERY AVE", "SIPES AVE", "NORTH CINNAMON AVE", "BEARDALL AVE", "CANNON AVE", "KENTUCKY AVE", "RICHMOND AVE", and "SIPES AVE".
- Water Bodies:** Blue areas represent water, including Lake Jerry, Golden Lake, and Volutia Lake.
- Land and Roads:** Green areas represent land, and red lines represent roads. The map is color-coded with blue for water, green for land, and red for roads.
- Grid:** A grid of red numbers 1 through 36 is overlaid on the map.
- Scale:** A scale bar at the bottom indicates distances from 0 to 10 miles.

R.32 E. R.33 E.



Project No. 20 824 17
Project Manager: Palmer Kinner
Photo Interpretation: Palmer Kinner
Field Verification: Palmer Kinner & David Stordis
Cartography and Computer Graphics: Marvin Williams, Chris Mayberry,
& Armando Calabrese
Date of Completion: April 1987

A graphic scale bar for the map. It is a horizontal line with tick marks. Above the line, from left to right, are the labels $\frac{1}{2}$, $\frac{1}{4}$, 0, and $\frac{1}{2}$ MILE. Below the line, centered under the 0 mark, is the scale 1:24000.

SJ 88-4, Part V

FORESTED

- CYPRESS**

-  HARDWOOD SWAMP
-  BAYHEAD

NON-FORESTED

-
-  DEEP MARSH
 SHALLOW MARSH
 WET PRAIRIE
 OPEN WATER
 UPLAND

Forested wetlands dominated by bald or pond cypress and flooded seasonally for periods of long duration. Includes cypress dome, strand and lakeshore variants.

Forested wetlands typically dominated by a mixture of deciduous hardwoods and cypresses. Subject to annual, seasonal periods of prolonged flooding.

Forested systems dominated by a mixture of broadleaved evergreen and deciduous tree species. Seldom inundated but with saturated soils during much of each year.

Deep water herbaceous or graminoid communities dominated by water lilies or emergent vegetation. Isolated semipermanently or permanently.

Herbaceous or graminoid communities dominated by species such as *Agave*, *Wolfsbane*, *Pickeral weed*, *Artemisia*, or *Potamogeton*. *Syrph* communities dominated by *Willow* or *Butterbush* are included in this category. Subject to lengthy seasonal inundation.

Communities of grasses, sedges, rushes, and herbs typically dominated by seed corollates, monocotae, soft grass, or a mixture of species. Usually inundated for a relatively short duration each year but with prolonged soil saturation. Stages of transitional shrub vegetation with similar hydrologies are included in this category.

Lakes, rivers, streams and manmade water bodies.

Non-wetland vegetation and land use.

ACREAGE	PERCENT
---------	---------

742 6.0

198 1.6

161 1.3

537 4.4

132 1.1

827 6.7

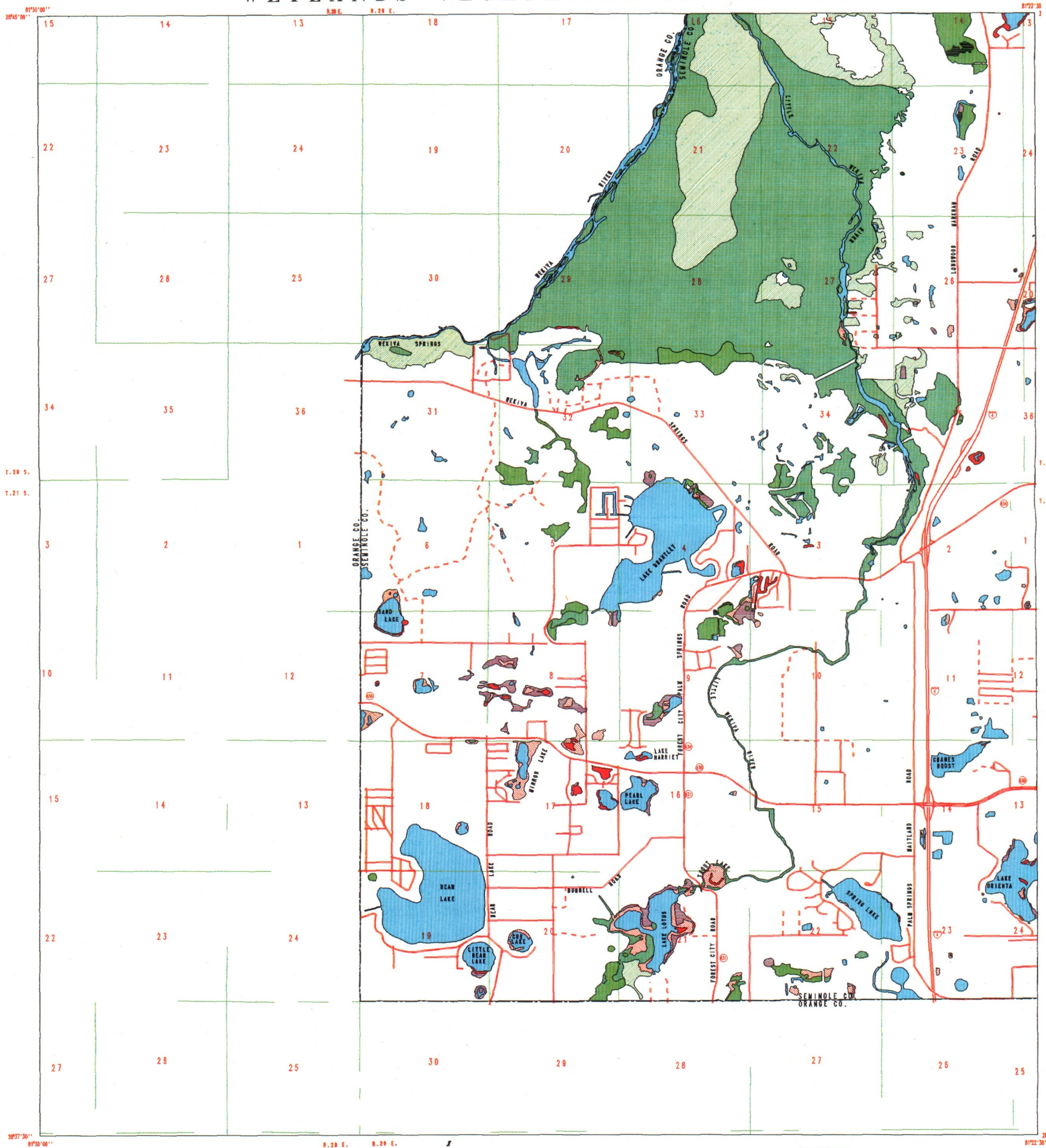
ad 1113 9.0

1786 14.5

6829 55.4

TOTAL	12,325	100.0
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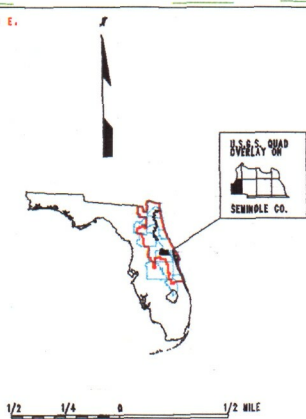
WETLANDS VEGETATION INVENTORY



PREPARED BY:
TECHNICAL DATA SERVICES AND ENVIRONMENTAL SCIENCES DIVISIONS
WATER RESOURCES DEPARTMENT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
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COMPILED USING COMPUTER GRAPHICS TECHNIQUES.
DATES OF PHOTOGRAPHY: DECEMBER 15, 1983, FEBRUARY 26 AND MARCH 8, 1984
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, CLARK 1866 ELLIPSOID
FLORIDA STATE PLANE SYSTEM, EAST ZONE

Project No. 20 844 17
Project Manager: Palmer Kinney
Data Interpretation: Palmer Kinney
Field Verification: Palmer Kinney, R. Kevin Williams
Cartography and Computer Graphics: Mervin Williams, Chris Mayberry,
R. Arden Colquhoun
Date of Completion: April 1987

NOTE:
This document was prepared to serve as a general guide to Seminole
County wetlands. It reflects conditions existing on the date of
photography and is subject to all limitations heretofore associated with
aerial photography and is subject to all limitations heretofore associated with
the use of maps from aerial photography. It is not intended to be used as a
basis for any legal action or to determine the boundaries of any
property. It is not intended to be used as a basis for any legal action or
to determine the boundaries of any property. It is not intended to be used
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property.



LEGEND

FORESTED

CYPRESS

Forested wetlands dominated by bald or pond cypress and flooded
seasonally for periods of long duration. Includes cypress dome,
strand and island varieties.

ACREAGE

PERCENT

11

0.1

HARDWOOD SWAMP

Forested wetlands typically dominated by a mixture of deciduous
hardwood and cypress. Subject to seasonal, occasional periods of
prolonged flooding.

2883

13.1

BAYHEAD

Forested wetlands dominated by one or more species of broadleaved,
evergreen bay trees. Shrub vegetation developing on bayhead sites
following fire or other disturbance is included in this category.
Slate usually organic and poorly seasonally saturated so will be
drying at least occasionally.

305

1.4

HYDRIC HAMMOCK

Forested systems dominated by a mixture of broadleaved evergreen
and deciduous trees. Slides inundated but with saturated
soils during much of each year.

1006

4.6

NON-FORESTED

DEEP MARSH

Deep water herbaceous or graminoid communities dominated by water
lilies or emergent vegetation. Inundated semipermanently or
permanently.

56

0.3

SHALLOW MARSH

Herbaceous or graminoid communities dominated by species such as
cattails, bulrushes, pickerel weed, arrowweed, or sedges.
Sedges communities dominated by yellow or buttonbush are included
in this category. Subject to regular seasonal inundation.

163

0.7

WET PRAIRIE

Communities of graminoids, sedges, cyperus, and herbs typically dominated
by sand cordgrass, nutcracker, salt grass, or a mixture of species.
Usually dominated by a regularly short duration and wet soil
with drained soil saturation. Areas of transitional shrub vegetation
with similar hydrology are included in this category.

124

0.6

OPEN WATER

Lakes, rivers, streams and manmade water bodies.

1353

6.2

UPLAND

Non-wetland vegetation and land use.

18945

23.0

TOTAL 21,946 100.0

SEMINOLE CO. WETLANDS

(FOREST CITY QUAD)

SJ 88-4, Part VI

[illegible]

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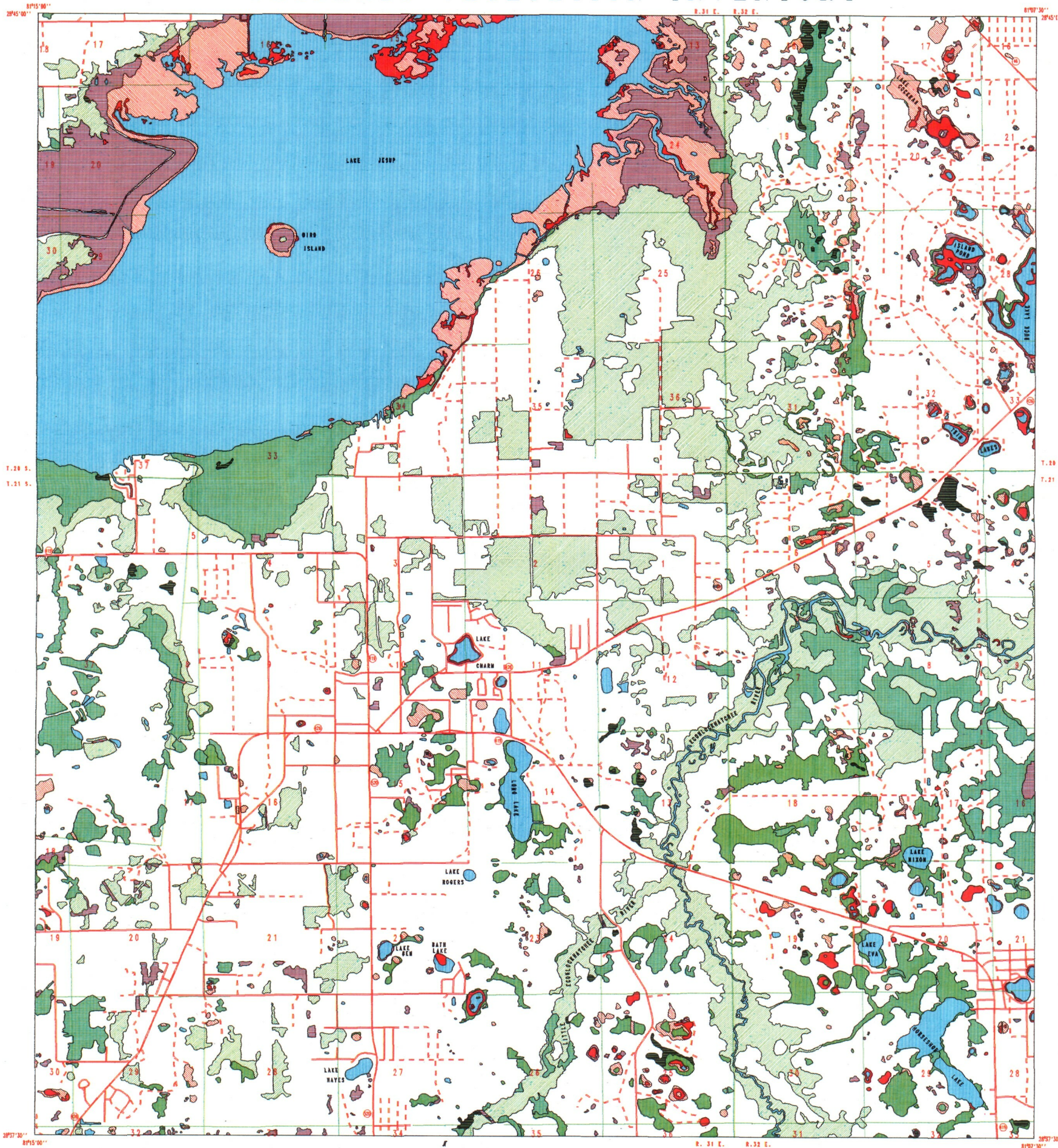
SJ 88-4, Part VII

40.019	100.0
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TOTAL	40,019	100.0
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10142	40,015	100.0
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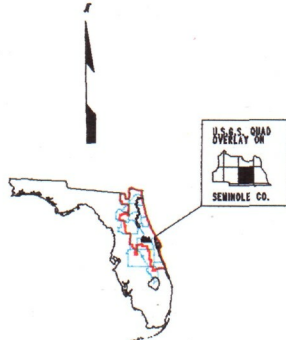
WETLANDS VEGETATION INVENTORY



PREPARED BY:
TECHNICAL DATA SERVICES AND ENVIRONMENTAL SCIENCES DIVISIONS
WATER RESOURCES DEPARTMENT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
P.O. BOX 1429, PALATKA, FLORIDA 32977-1429
PRODUCED FROM 1:12000 SCALE COLOR INFRARED PHOTOGRAPHY AND
COMPILED USING COMPUTER GRAPHICS TECHNIQUES
DATES OF PHOTOGRAPHY: DECEMBER 15, 1983, FEBRUARY 26 AND MARCH 8, 1984
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, CLARK 1866 ELLIPSOID
FLORIDA STATE PLANE SYSTEM, EAST ZONE

Project No. 20 834 17
Project Manager: Palmer Kline
Data Interpretation: Palmer Kline
Field Verification: Palmer Kline & Merrill Williams
Cartography and Computer Graphics: Merrill Williams, Chris Mayberry,
& Arlene Cichewicz
Date of Completion: April 1987

NOTE:
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County wetlands. It reflects conditions existing as the date of
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LEGEND

FORESTED

CYPRESS

Forested wetlands dominated by bald or pond cypress and flooded
annually for periods of long duration. Includes cypress dome,
strand and island varieties.

ACREAGE

PERCENT

134

0.3

HARDWOOD SWAMP

Forested wetlands typically dominated by a mixture of cypress
and hardwood. Subject to seasonal, seasonal periods of
prolonged flooding.

2149

5.1

BAYHEAD

Forested wetlands dominated by bay, or more species of broadleaved,
greenish bay trees. Sparse vegetation developing on bayhead sites
(including fire or other disturbance) is included in this category.
Slate usually organic and heavily constantly saturated as well as
being at least occasionally flooded.

1194

2.9

HYDRIC HAMMOCK

Forested wetlands dominated by a mixture of broadleaved evergreen
and deciduous tree species. Seasonally flooded but with saturated
soils during much of each year.

5124

12.3

NON-FORESTED

DEEP MARSH

Deep water herbaceous or grassland communities dominated by water
lilies or emergent vegetation. Inundated seasonally or
permanently.

401

1.0

SHALLOW MARSH

Herbaceous or grassland communities dominated by species such as
cattail, sparganium, or other emergent vegetation. Inundated
seasonally or permanently. Subject to frequent seasonal inundation.

1391

3.3

WET PRAIRIE

Communities of grasses, sedges, cyperus, and herbs typically dominated
by sedge, cyperus, and grass, or a mixture of species.
Usually dominated by a relatively short growing season and
with prolonged soil saturation. Areas of transitional shrub vegetation
with similar hydrologies are included in this category.

1378

3.3

OPEN WATER

Lakes, rivers, streams and manmade water bodies.

6764

16.2

UPLAND

Non-wetland vegetation and land use.

23289

55.6

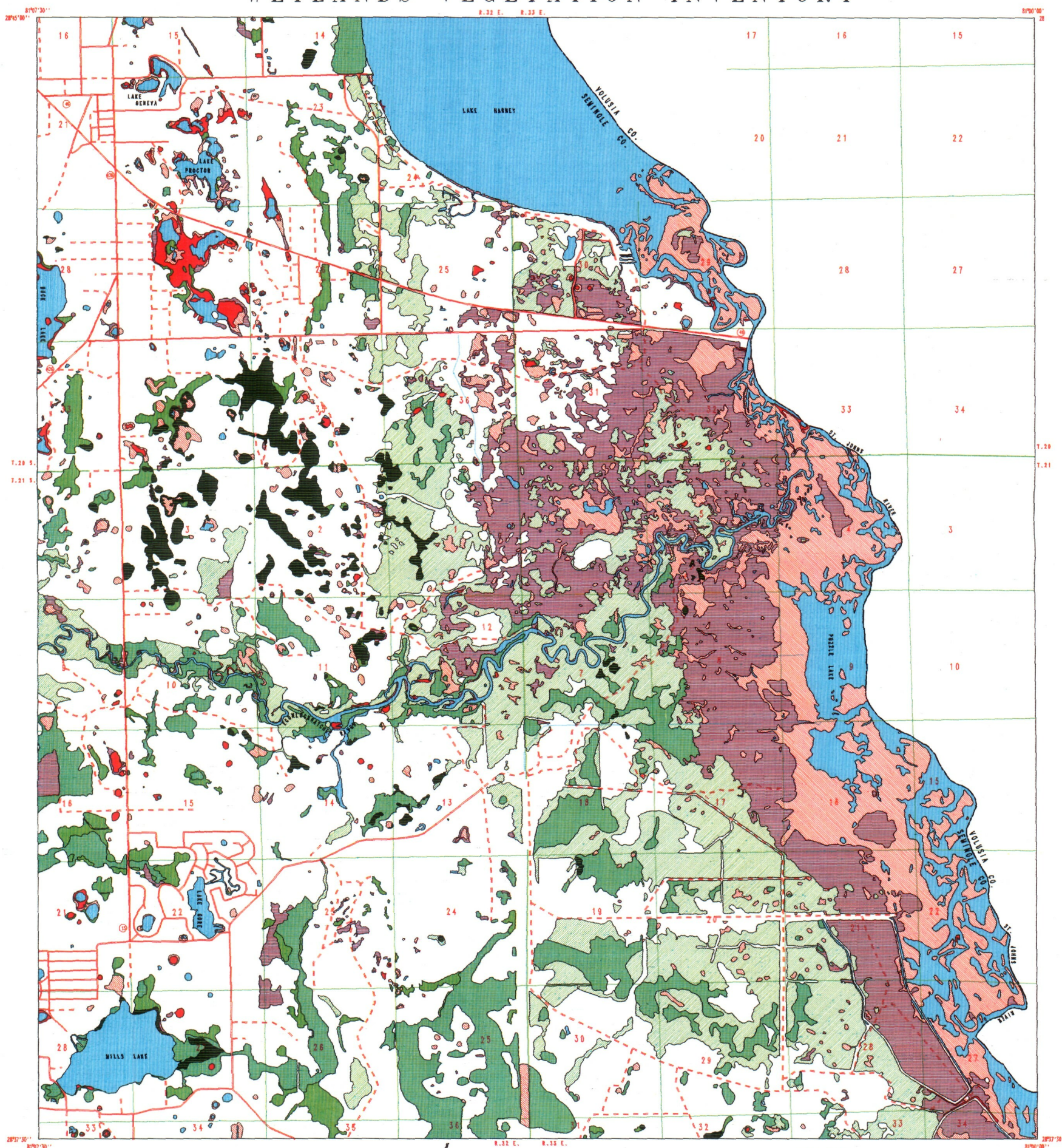
TOTAL 41,815 100.0

SEMINOLE CO. WETLANDS

(OVIEDO QUAD)

SJ 88-4, Part VIII

WETLANDS VEGETATION INVENTORY



PREPARED BY:
TECHNICAL DATA SERVICES AND ENVIRONMENTAL SCIENCES DIVISIONS
WATER RESOURCES DEPARTMENT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
P.O. BOX 1429, PALATKA, FLORIDA 32977-1429

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DATES OF PHOTOGRAPHY: DECEMBER 15, 1983, FEBRUARY 26 AND MARCH 8, 1984

UNIVERSAL TRANSVERSE MERCATOR PROJECTION, CLARK 1866 ELLIPSOID
FLORIDA STATE PLANE SYSTEM, EAST ZONE

Project No. 20 954 17
Project Manager: Palmer Kinner
Data Interpretation: Palmer Kinner
Field Collection: Palmer Kinner & David Givens
Cartography and Layout: Stephanie Harris Williams, Chris Mayberry,
Kirkpatrick Coleman
Date of Completion: April 1987

NOTE:
This document was prepared to serve as a general guide to Seminole County wetlands. It is not intended to be used as a legal document. It is subject to all limitations typically associated with photography and is subject to all limitations typically associated with computer graphics. It is not intended to be used as a legal document. It is subject to all limitations typically associated with photography and is subject to all limitations typically associated with computer graphics. It is not intended to be used as a legal document. It is subject to all limitations typically associated with photography and is subject to all limitations typically associated with computer graphics.

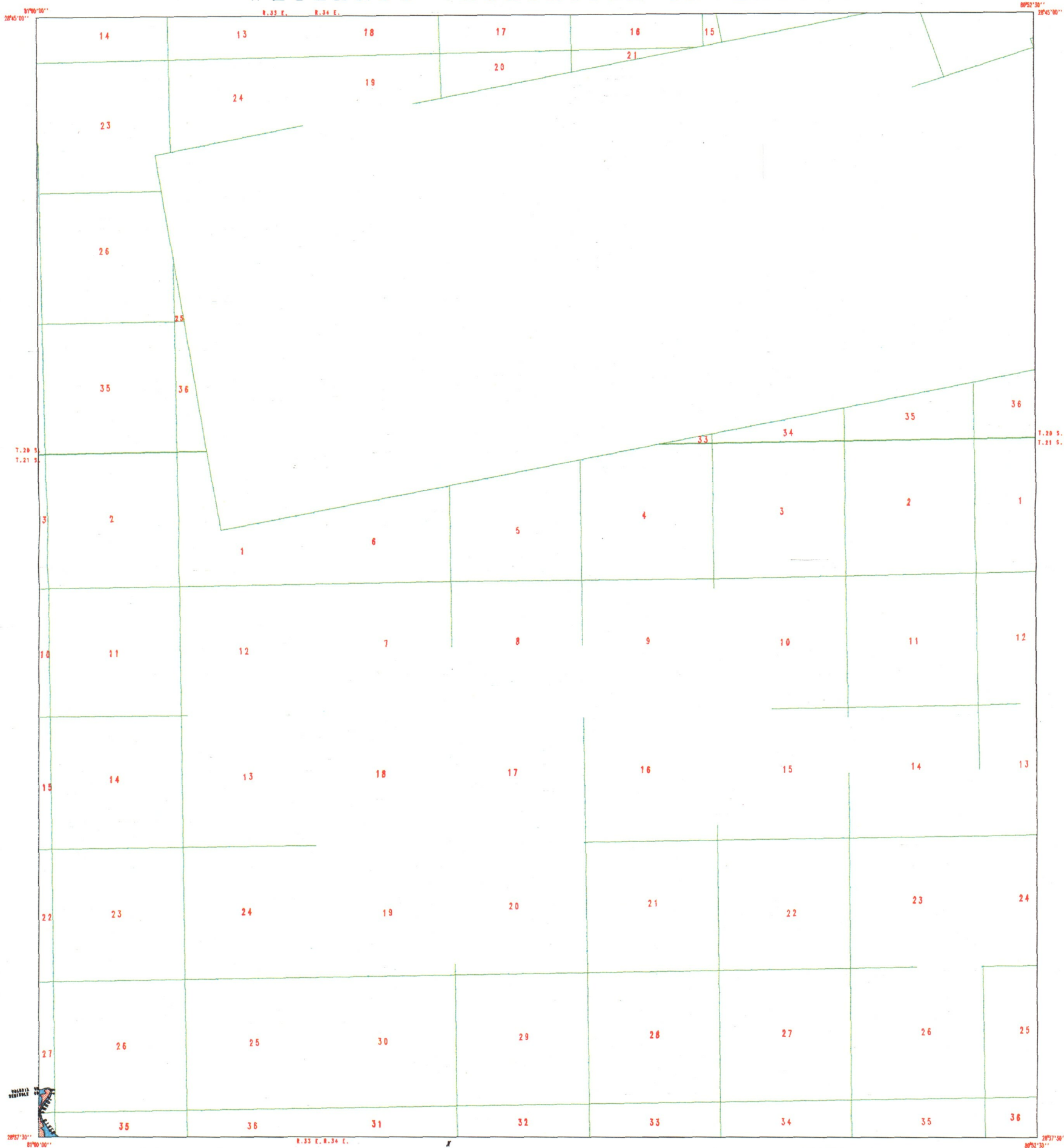
LEGEND

FORESTED		ACREAGE	PERCENT
	CYPRESS	521	1.5
	HARDWOOD SWAMP	2285	6.7
	BAYHEAD	568	1.7
	HYDRIC HAMMOCK	4458	13.1
NON-FORESTED		ACREAGE	PERCENT
	DEEP MARSH	221	0.7
	SHALLOW MARSH	2813	8.3
	WET PRAIRIE	3272	9.6
	OPEN WATER	3544	10.4
	UPLAND	18283	48.9
		TOTAL	33,949
			100.0

SEMINOLE CO. WETLANDS
(GENEVA QUAD)

SJ 88-4, Part IX

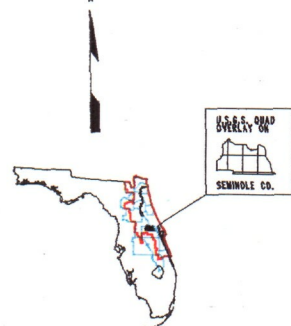
WETLANDS VEGETATION INVENTORY



PREPARED BY:
TECHNICAL DATA SERVICES AND ENVIRONMENTAL SCIENCES DIVISIONS
WATER RESOURCES DEPARTMENT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
P.O. BOX 1429, PALATKA, FLORIDA 32077-1429
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COMPILED USING COMPUTER GRAPHICS TECHNIQUES
DATES OF PHOTOGRAPHY: DECEMBER 15, 1983, FEBRUARY 26 AND MARCH 8, 1984
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, CLARK 1866 ELLIPSOID
FLORIDA STATE PLANE SYSTEM, EAST ZONE

Project No. 20 014 17
Project Manager: Palmer Kline
Data Interpretation: Palmer Kline
Field Verification: Palmer Kline
Cartography and Computer Graphics: Maria Williams, Chris Meyberry
Date of Completion: April 1987

NOTE:
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LEGEND		ACREAGE	PERCENT
FORESTED			
	CYPRESS	0	0.0
Forested wetlands dominated by bald or sand cypress and flooded annually for periods of long duration. Includes cypress dome, strand and herbaceous wetlands.			
	HARDWOOD SWAMP	0	0.0
Forested wetlands typically dominated by a mixture of deciduous hardwoods and cypresses. Subject to seasonal, occasional periods of prolonged flooding.			
	BAYHEAD	0	0.0
Forested wetlands dominated by sap or more species of broadleaved, evergreen bay trees. Bay vegetation developing on bayhead sites (including live or other disturbances) is included in this category. Sites usually organic and usually constantly saturated or not so being at least occasionally flooded.			
	HYDRIC HAMMOCK	0	0.0
Forested systems dominated by a mixture of broadleaved evergreen and deciduous tree species. Sites inundated but with scattered herbaceous vegetation.			
NON-FORESTED			
	DEEP MARSH	0	0.0
Deep water herbaceous or graminoid communities dominated by water lilies or emergent vegetation. Inundated seasonally or permanently.			
	SHALLOW MARSH	6	60.0
Herbaceous or graminoid communities dominated by species such as cordgrass, mudgrass, pickleweed, arrowweed, or cattail. 2000 communities dominated by willow or bulrushes are included in this category. Subject to lengthy seasonal inundation.			
	WET PRAIRIE	0	0.0
Communities of grasses, sedges, rushes, and herbs typically dominated by open, cordgrass, mudgrass, and grass, or a mixture of species. Usually inundated for a relatively short duration each year but with frequent soil saturation. Areas of transitional herb vegetation with limited hydrology are included in this category.			
	OPEN WATER	9	40.0
Lakes, rivers, streams and manmade water bodies.			
	UPLAND	0	0.0
Non-outlined vegetation and land use.			
TOTAL		15	100.0

SEMINOLE CO. WETLANDS

(AURANTIA QUAD)

SJ 88-4, Part X

SEMINOLE RIVER

R. 20 E. R. 30 E. R. 30 E. R. 31 E.

ORANGE CO. SEMINOLE CO.

DEEP LAKE

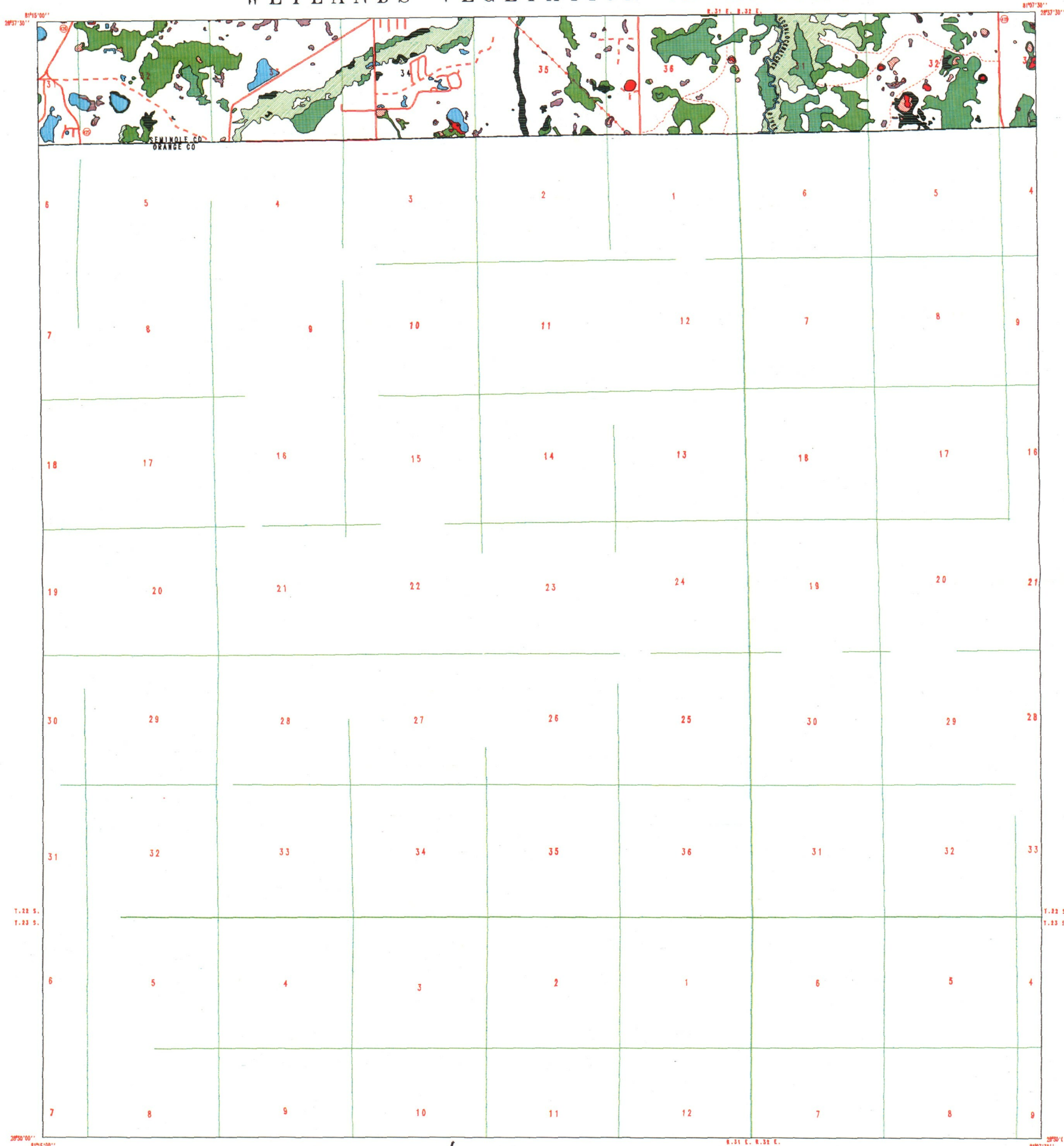
T. 22 S. T. 23 S. T. 23 S. T. 24 S.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

TOTAL	450	100.0
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HARVIN:W
05/24/88 12:29

WETLANDS VEGETATION INVENTORY



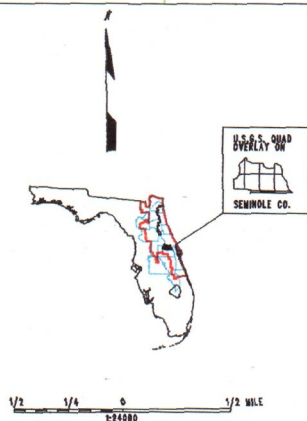
PREPARED BY:
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UNIVERSAL TRANSVERSE MERCATOR PROJECTION, CLARK 1866 ELLIPSOID
FLORIDA STATE PLANE SYSTEM, EAST ZONE

Project No. 20 824 17
Project Manager: Palmer Kinney
Data Interpretation: Palmer Kinney
Field Verification: Palmer Kinney
Cartography and Computer Graphics: Morris Williams, Chris Mayberry,
S. Amanda Coleman
Date of Completion: April 1987

NOTE:
This document was prepared to serve as a general guide to Seminole
County wetlands. It reflects conditions existing on the date of
photography and is subject to all limitations already mentioned with
regard to maps from stereoscopically interpreted aerial photographs.
A legend was provided to define the various specific categories.
Boundaries of other federal, state, or local agencies. Persons
requiring more specific information or precise delineations which may
result in impacts to wetlands or adjacent lands should contact the
appropriate regulatory agencies and obtain all necessary permits.



LEGEND

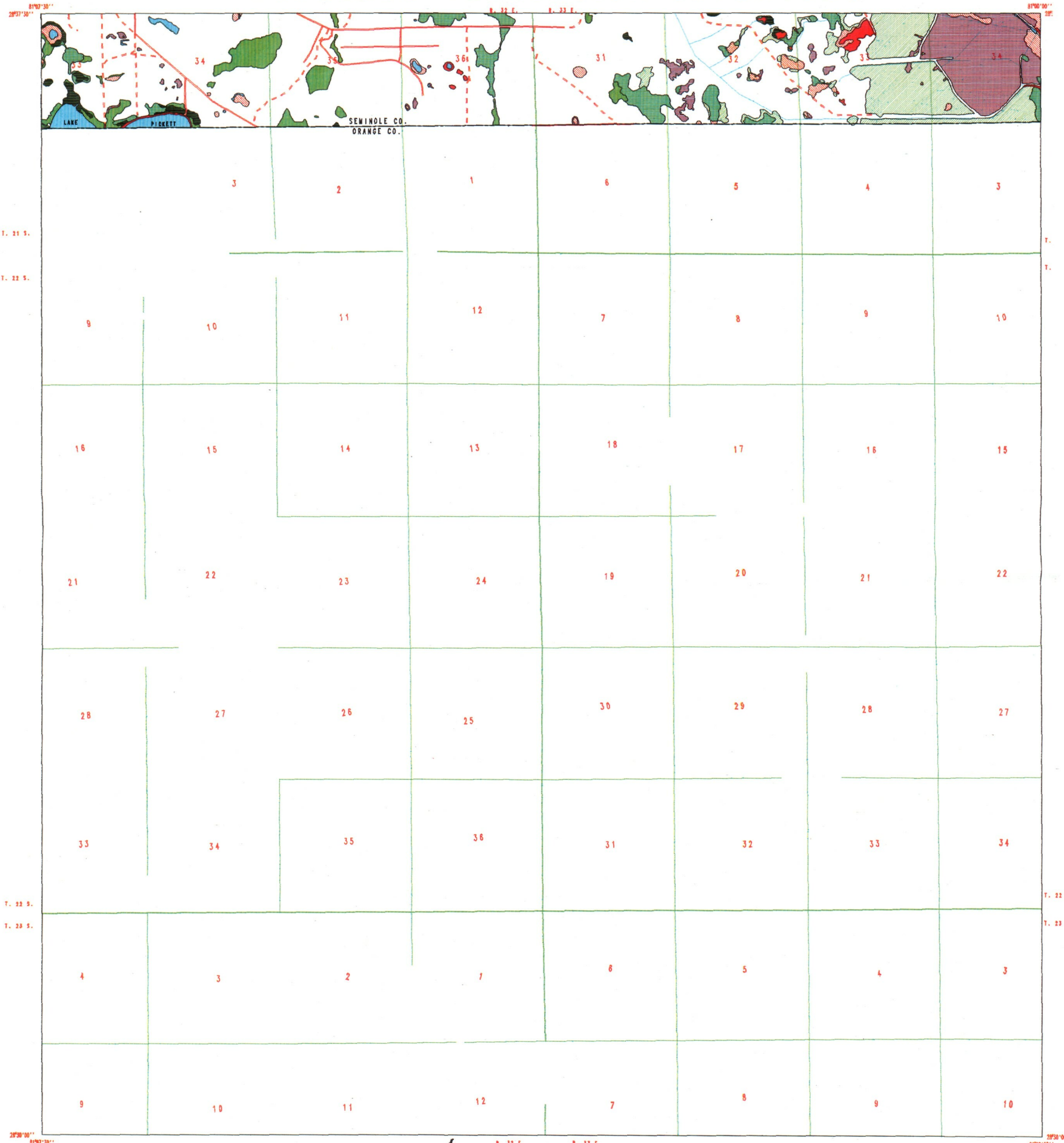
		ACREAGE	PERCENT
FORESTED			
	CYPRESS	73	1.6
Forested wetlands dominated by bald or pond cypress and flooded seasonally for periods of long duration. Includes cypress dome, strand and tabularia variants.			
	HARDWOOD SWAMP	247	5.5
Forested wetlands typically dominated by a mixture of deciduous hardwoods and cypresses. Subject to annual, seasonal periods of prolonged flooding.			
	BAYHEAD	505	11.3
Forested wetlands dominated by oaks or more species of broadleaved evergreen Bay Trees. High vegetation dominated by bayhead oaks (including live oak or other disturbance is included in this category). Soil is highly organic and highly consistently saturated or well to being at least occasionally flooded.			
	HYDRIC HAMMOCK	283	6.3
Forested systems dominated by a mixture of broadleaved evergreen and deciduous tree species. Season flooded but with waterlogged soils during much of each year.			
NON-FORESTED			
	DEEP MARSH	15	0.3
Deep water herbaceous or graminoid communities dominated by water lilies or emergent vegetation. Inundated semi-permanently or permanently.			
	SHALLOW MARSH	27	0.6
Herbaceous or graminoid communities dominated by species such as sparganium, naiadaceae, papyrus, or cattail. Shrub communities dominated by willow or buttonbush are included in this category. Subject to lengthy seasonal inundation.			
	WET PRAIRIE	52	1.2
Communities of grasses, sedges, rushes, and herbs typically dominated by sparganium, naiadaceae, or grasses, or a mixture of species. Usually inundated (or a relatively short duration each year but with standing water). Areas of transitional shrub vegetation with standing water are included in this category.			
	OPEN WATER	78	1.7
Lakes, rivers, streams and manmade water bodies.			
	UPLAND	3281	71.5
Non-wetland vegetation and land use.			
TOTAL			4,481 100.0

SEMINOLE CO. WETLANDS

(OVIEDO SW QUAD)

SJ 88-4, Part XII

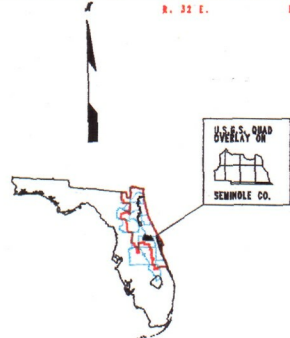
WETLANDS VEGETATION INVENTORY



PREPARED BY:
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WATER RESOURCES DEPARTMENT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
P.O. BOX 1429, PALATKA, FLORIDA 32677-1429
PRODUCED FROM 1:12000 SCALE COLOR INFRARED PHOTOGRAPHY AND
COMPILED USING COMPUTER GRAPHICS TECHNIQUES.
DATES OF PHOTOGRAPHY: DECEMBER 15, 1983, FEBRUARY 26 AND MARCH 8, 1984
UNIVERSAL TRANSVERSE MERCATOR PROJECTION, CLARK 1866 ELLIPSOID
FLORIDA STATE PLANE SYSTEM, EAST ZONE

Project No. 20 024 17
Project Manager: Penny Kline
Data Acquisition: Penny Kline
Data Verification: Penny Kline
Cartography and Computer Graphics: Mervin Williams, Chris Mayberry,
B. Ardis, C. Colwell
Date of Completion: April 1987

NOTE:
This document was prepared to serve as a general guide to Seminole County wetlands. It reflects sampling existing on the date of photography and is subject to all limitations commonly associated with photography and is not to be used for any purpose other than that for which it was prepared. No attempt was made to define or indicate specific jurisdictional boundaries of other federal, state, or local agencies. Persons requiring more specific information or preparing applications which may result in impacts to wetlands or adjacent areas should contact the appropriate regulatory agencies and obtain all necessary permits.



LEGEND

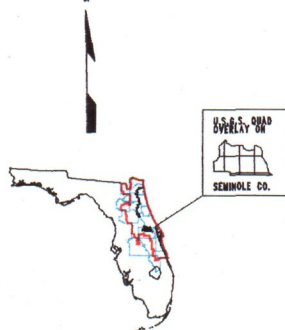
	ACREAGE	PERCENT
FORESTED		
CYPRESS Forested wetlands dominated by bald or sand cypress and flooded annually for periods of long duration. Includes cypress dome, strand and levee-type varieties.	40	1.0
HARDWOOD SWAMP Forested wetlands typically dominated by a mixture of deciduous hardwoods and cypress. Subject to annual, seasonal periods of prolonged flooding.	165	3.9
BAYHEAD Forested wetlands dominated by one or more species of broadleaved, evergreen bay trees. Open vegetation dominated by bayhead areas (including tree or other disturbances) is included in this category. Soil usually organic and poorly to moderately saturated as well as being at least occasionally flooded.	144	3.4
HYDRIC HAMMOCK Forested systems dominated by a mixture of broadleaved evergreen and deciduous tree species. Soils inundated but with saturated soils during much of each year.	369	8.8
NON-FORESTED		
DEEP MARSH Deep water herbaceous or graminoid communities dominated by water lilies or emergent vegetation. Dominated seasonally or permanently.	32	0.8
SHALLOW MARSH Herbaceous or graminoid communities dominated by species such as sparganium, naiad, sparganium, or sparganium. Usually inundated for a relatively short duration each year but with prolonged soil saturation. Areas of transitional marsh vegetation with similar hydrologies are included in this category.	77	1.8
WET PRAIRIE Communities of grasses, sedges, rushes, and herbs typically dominated by sedge, cordgrass, bulrush, and grass, or a mixture of species. Usually inundated for a relatively short duration each year but with prolonged soil saturation. Areas of transitional marsh vegetation with similar hydrologies are included in this category.	352	8.4
OPEN WATER Lakes, rivers, streams and manmade water bodies.	68	1.6
UPLAND Non-wetland vegetation and land use.	2339	70.3
TOTAL	4,186	100.0

SEMINOLE CO. WETLANDS
(BITHLO QUAD)
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Project No. 20 024 17
Project Manager: Palmer Kisser
Photo Interpretation: Palmer Kisser
Field Verification: Palmer Kisser
Cartography and Computer Graphics: Marvin Williams, Chris Mayberry,
E. Armando Calaballo
Date of Completion: April 1987

NOTE: This document was prepared to serve as a general guide to Seminole County wetlands. It reflects conditions existing on the date of photography and is subject to all limitations normally associated with interpretation of maps from stereoscopically interpreted aerial photographs. We attempt to make no claims to indicate specific jurisdictional boundaries of either Federal, state, or local agencies. Persons requiring more specific information or proposing activities which may result in impacts to (wetlands or adjacent) areas should contact the appropriate regulatory agencies and obtain all necessary permits.



<u>FORESTED</u>		ACREAGE	PERCENT
	CYPRESS Forested wetlands dominated by bald or pond cypress and flooded seasonally for periods of long duration. Includes cypress dome, strand and latebore variants.	0	0.0
	HARDWOOD SWAMP Forested wetlands typically dominated by a mixture of deciduous hardwood and cypress. Subject to seasonal, occasional periods of prolonged flooding.	20	6.3
	BAYHEAD Forested wetlands dominated by one or more species of broadleaved, evergreen bay trees. Shrub vegetation developing on bayhead sites following fire or other disturbance is included in this category. Soils entirely organic and nearly constantly saturated as well as being at least occasionally flooded.	0	0.0
	HYDRIC HAMMOCK Forested systems dominated by a mixture of broadleaved evergreen and deciduous tree species. Slender inundated but with saturated soils during much of each year.	0	0.0
<u>NON-FORESTED</u>			
	DEEP MARSH Deep water herbaceous or graminoid communities dominated by water lilies or emergent vegetation. Inundated semi-permanently or permanently.	8	2.5
	SHALLOW MARSH Herbaceous or graminoid communities dominated by species such as cyperus, sparganium, pickerel weed, arrowweed, or dotted sedge. Communities dominated by yellow or buttonbush are included in this category. Subject to lengthy seasonal inundation.	200	63.1
	WET PRAIRIE Communities of grasses, sedges, rushes, and herbs typically dominated by seed cordgrass, maidencane, and grass, or a mixture of species. Usually inundated for a relatively short duration each year but with frequent soil saturation. Areas of transitional shrub vegetation with similar hydrologies are included in this category.	7	2.2
	OPEN WATER Lakes, rivers, streams and manmade water bodies.	78	24.6
	UPLAND Non-wetland vegetation and land use.	4	1.3
		TOTAL	317
			100.0

SEMINOLE CO. WETLANDS
(TITUSVILLE SW QUAD)
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