



Conservation Management Plan

This management plan form is intended for Board of Trustees leases and subleases of conservation properties that are 160 acres or less. It is intended to address the requirements of Chapter 253.034, 259.032 and rule 18-2.021. Attachments to, or expansion of this form are welcome, if the space provided below is not sufficient. Please answer all of the items below and number all attachments and reference them in the appropriate location below. You are under no obligation to use this form. Any plan format is acceptable, provided it includes all of the appropriate items from the above mentioned statutes and rule. This form is available in electronic format upon request. For additional information pertaining to management plans, please visit the Division of State Lands Stewardship page on the web at <http://www.dep.state.fl.us/lands/stewardship.htm>.

A. General Information

1. Common Name of the Property: _____
2. Lease Number: _____
3. Acres: _____
4. Managing Agency: _____
5. Provide an executive summary/description of this property that includes a brief description of the resources, uses and proposed uses, outstanding features etc.

6. Attach a map showing the location and boundaries of the property including:
 - a) The location and type of structures or improvements currently on the property.
 - b) The location and type of proposed improvements. Appendix
7. Attach a map showing the proximity of this managed area to other conservation areas within 10 miles. Appendix
8. Please attach a legal description of the property. Appendix
9. Provide a physical description of the land including a quantitative data description of the land which includes an inventory of forest and other natural resource, exotic and invasive plants, hydrologic features, infrastructure including recreational facilities, and other significant land, cultural or historical features.

10. A brief description of soil types, attaching USDA maps when available.

11. Is the property adjacent to an aquatic preserve or designated area of critical state concern? YES ____ NO ____

If YES, please identify:

12. Was the property acquired by a conservation land acquisition program? If YES, please identify.

13. Do any agency-specific statute requirements or legislative/executive directives constrain the use of the property? (These restrictions can frequently be found in the lease) YES _____ NO _____

If YES, please identify

14. Are there any reservations or encumbrances on the property?
YES _____ NO _____

If YES, please identify:

B. Natural and Cultural Resources

15. Are there any archeological or historical sites on this property? YES _____ NO _____
If YES,

A) How do you plan to locate, protect and preserve these resources?

B) Please describe the actions the agency plans to take to locate and identify unknown Resources such as surveys of unknown archeological or historical sites.

16. Are there any buildings on the property that are fifty or more years old?

YES _____ NO _____ If YES,

A) Please Identify:

B) Have these buildings been evaluated by a historian or historic architect to determine their historical and/or architectural significance. If YES, please identify both the building(s) and the evaluators(s):

C) Please state whether any such buildings are listed in the Florida Master Site File, National Register of Historic Places or a local register of historic places and identify such buildings.

By law, the managing agency must consult with the Division of Historical Resources with regard to any proposed land clearing or ground disturbing activities or with regard to any proposed rehabilitation, restoration or demolition of structures 50 or more years old. Please contact the Division of Historic Resources if you would like to obtain information on archeological/historical sites.

Division of Historical Resources
Florida Department of State
R.A. Gray Building, MS-8
Tallahassee, Florida 32399
(850) 245-6312

17. Please identify natural resources on the property that are listed in the Florida Natural Areas Inventory.

18. Are any imperiled natural communities, unique natural features, or any State and federally listed endangered or threatened plant or animal species, on site?

YES _____ NO _____

If YES, please provide a specific description of how you plan to identify, locate, protect and preserve these species.

If you would like further information regarding natural resources or endangered species please contact the Florida Natural Areas Inventory (FNAI).

Florida Natural Areas Inventory
1018 Thomasville Road, Suite 200-C
Tallahassee, Florida 32303
(850) 224-8207

19. Please identify the water resources including swamps, marshes or other wetlands, on the property including the water quality classification for each water body and if the water body has been designated “Outstanding Florida Waters”.

20. Are any known mineral resources, such as oil, gas and phosphates, or any unique natural features, such as coral reefs, beaches, dunes, natural springs, caverns, large sinkholes, virgin timber stands, scenic vistas, and natural rivers and streams, and outstanding native landscapes containing relatively unaltered flora, fauna, and geological features on site? YES _____ NO _____

If YES, Please identify and provide locations of these resources on a map.

Appendix

21. Are there fish or wildlife resources (both game and non-game) on the property?
YES _____ NO _____ If YES, please describe:

C. Use of the Property

22. Please provide a statement of the purpose for which the lands were acquired, the projected use or uses as defined in Chapter 253.034, Florida Statutes, and the statutory authority you have for such uses.

23. Please state the desired outcome for this property, and key management activities necessary to achieve the desired outcome, including public access.

24. Please state the single or multiple uses currently made of the property and if the property is single use, please provide an analysis of its potential for multiple-use.

Single _____ Multiple _____ use/s is/are:

25. Were multiple uses considered but not adopted? YES _____ NO _____

If YES, please describe why:

26. Please provide an analysis of the potential use of private land managers to facilitate the restoration or management of these lands.

27. Please provide an analysis of the potential of the property to generate revenues to enhance the management of the property.

28. Describe the projected, current and recent past uses of the property, and any unauthorized uses, if known.

29. Do the planned uses impact renewable and non-renewable resources on the property?
YES _____ NO _____

If YES, please describe what specific activities will be taken to protect or enhance and conserve those resources and to compensate/mitigate the damage that is caused by the impacting use.

30. Should any parcels of land within or adjacent to the property be purchased because they are essential to management of the property? YES _____ NO _____

If YES, please attach a map of this area. Appendix

31. Are there any portions of this property no longer needed for your use?

YES _____ NO _____ If YES, please attach a map of this area.

32. Please describe what public uses and public access that would be consistent with the purpose for which this property was acquired.

D. Management Activities

33. If more than one agency manages this property, describe the management responsibilities of each agency and how such responsibilities will be coordinated.

34. Please discuss management needs and problems on the property including conservation of soil and water resources and control and prevention of soil erosion and water and soil contamination.

35. Identify adjacent land uses that will conflict with the planned use of this property, if any.

36. Please describe measures used to prevent/control invasive, non-native plants.

37. Was there any public or local government involvement / participation in the development of this plan? YES _____ NO _____ If YES, please describe:

38. If an arthropod control plan has been established for this property, please include it as an attachment. (Attachment _____) If one does not exist, provide a statement as to what arrangement exists between the local mosquito control district and the managing agency. See Chapter 388.4111 regarding mosquito control on public lands.

39. Management Goals – **The following 8 goals may not all be applicable to your site. Write N/A where appropriate. Also, please add as many goals, objectives, and measures as you wish.**

Core Objectives	Measure	Timeframe 2 yrs = Short Term 10 yrs = Long Term	Expenses and Manpower Budget
1	<u>Habitat restoration and improvement (Description):</u>		
Prescribe burn _____ acres per year	_____ acres burned per year	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
Maintain _____ acres per year within target fire return interval.	_____ acres within fire return interval target	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
Conduct habitat/natural community improvement on _____ acres	_____ acres with restoration underway	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
Conduct habitat/natural community restoration activities on _____ acres.	_____ acres restored	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
Conduct timber harvest for the purposes of habitat restoration on _____ acres	_____ acres harvested	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____

2	<u>Public Access and recreational opportunities (Description):</u>		
	Maintain public access and recreational opportunities to allow for a recreational carrying capacity of _____ visitors per day	_____ visitor opportunities/day	Within 2 yrs ____ Within 10 yrs ____ Expense \$ _____ Personnel \$ _____
	Develop additional public access and recreational opportunities to allow for a carrying capacity of _____ visitors/day	_____ visitor opportunities/day	Within 2 yrs ____ Within 10 yrs ____ Expense \$ _____ Personnel \$ _____
	Continue to provide _____ interpretive/education programs	_____ interpretive/education programs	Within 2 yrs ____ Within 10 yrs ____ Expense \$ _____ Personnel \$ _____
	Develop _____ new interpretive/education programs	_____ interpretive/education programs	Within 2 yrs ____ Within 10 yrs ____ Expense \$ _____ Personnel \$ _____
3	<u>Hydrological preservation and restoration (Description):</u>		
	Conduct or obtain a site assessment/study to identify potential hydrology restoration needs	Assessment conducted? Y__ N__	Within 2 yrs ____ Within 10 yrs ____ Expense \$ _____ Personnel \$ _____
	Restore natural hydrologic condition and functions to _____ acres on site	_____ acres for which hydrologic restoration is underway (planning, grant writing, earth moving, etc.)	Within 2 yrs ____ Within 10 yrs ____ Expense \$ _____ Personnel \$ _____

		_____ acres for which natural hydrologic conditions and function are restored	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
4	<u>Sustainable forest management (Description):</u>			
	Prepare & implement a silviculture management plan including reforestation, harvesting, prescribed burning, restoration, and timber stand improvement activities and goals.	Silviculture management plan complete? Y __ N __ _____ acres treated	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
	Develop and implement a process for conducting stand descriptions and forest inventory including a GIS database containing forest stands, roads & other attributes (including but not limited to: threatened & endangered species, archeological resources, exotic species locations, historical areas)	Complete GIS database and re-inventory all attributes every 3-5 years or as needed.	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
		_____ acres of forest inventoried annually	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
5	<u>Exotic and invasive species maintenance and control (Description):</u>			

	Annually treat _____ acres of EPPC Category I and Category II invasive exotic plant species.	_____ acres treated	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
	Implement control measures on _____ exotic and nuisance animal species	_____ nuisance and exotic species for which control measures are implemented	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
6	<u>Capital facilities and infrastructure</u> <u>Description-</u> _____ _____ _____			
	To maintain _____ facilities, _____ miles of roads, and _____ miles of trails existing on site (as applicable)	_____ facilities, _____ miles roads, _____ miles trails maintained	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
	To construct _____ facilities. _____ miles of roads, and _____ miles of trails (as applicable)	_____ facilities, _____ miles roads, _____ miles trails constructed	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
	To improve or repair _____ facilities. _____ miles of roads, and _____ miles of trails existing on site (as applicable)	_____ facilities, _____ miles roads, _____ miles trails improved or repaired	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
7	<u>Cultural and historical resources</u> <u>Description-</u> _____ _____			
	Ensure all known sites are recorded in the FL Division of Historical Resources Master Site file	_____ of recorded sites	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____
	Monitor _____ recorded sites and send updates to DHR Master Site file as needed	_____ of sites monitored	Within 2 yrs ____ Within 10 yrs ____	Expense \$ _____ Personnel \$ _____

	Bring ___ of ___ recorded sites/cultural resources into good condition	_____ of sites in good condition	Within 2 yrs ___ Within 10 yrs ___	Expense \$ _____ Personnel \$ _____
8	<u>Impaired species habitat maintenance, enhancement, restoration, or population restoration.</u>			
	<u>Description-</u>			

	Develop baseline imperiled species occurrence inventory list	Baseline imperiled species occurrence inventory list complete Y___ N___	Within 2 yrs ___ Within 10 yrs ___	Expense \$ _____ Personnel \$ _____
	Develop monitoring protocols for _____selected imperiled species	_____ imperiled species for which monitoring protocols are developed	Within 2 yrs ___ Within 10 yrs ___	Expense \$ _____ Personnel \$ _____
	Implement monitoring protocols for _____ imperiled species	_____ species for which monitoring is ongoing	Within 2 yrs ___ Within 10 yrs ___	Expense \$ _____ Personnel \$ _____
	[If applicable, provide additional measurable objective(s) for new or ongoing species-specific management activities for each of the priority species such as population augmentation, translocations, nest box projects, etc.]	Examples: Project-specific quantity, _____ of nest boxes, # of individuals introduced or trans-located, etc.	Within 2 yrs ___ Within 10 yrs ___	Expense \$ _____ Personnel \$ _____

40. Costs

Activity	Yearly Estimated Cost		
	Priority Cost	Other Management Cost	Cost Effective Methods
<u>Resource Management</u>			
<u>Administration</u>			
<u>Support</u>			

<u>Capital Improvements</u>			
<u>Recreation Visitor Services</u>			
<u>Law Enforcement Activities</u>			

41. A finding regarding whether each planned use conforms to the appropriate policies and guidelines of the State Lands Management Plan is required. The Plan can be found at <http://www.dep.state.fl.us/lands/oes/slmp.pdf>, by writing to the State of Florida Department of Environmental Protection, Division of State Lands, Office of Environmental Services, 3900 Commonwealth Boulevard, Mail Station 140, Tallahassee, Florida 32399-3000, or by calling (850) 245-2784. Does this plan conform to the State Lands Management Plan?

YES _____ NO _____

42. Please provide the following contact information below:

Name:	
Managing Agency:	
Address:	
Phone:	
Email Address:	

Date Management Plan Prepared: _____

Please send this completed form and attachments to:

james.parker@dep.state.fl.us, Or
to: Division of State Lands
D.E.P. M.S. 140
3900 Commonwealth Blvd.
Tallahassee Fl. 32399-3000
850-245-3045

APPENDIX A

Board of Trustees Lease & Warranty Deed

APPENDIX B

Sub Lease to Suwannee County

Document Type: Current Upland Lease [CUL Coversheet]

Linked _____	FL-SOLARIS # _____	DM ID# _____
Sub-Lease #	4772	
Instrument Desc.	PARENT	
Amendment #		
Document Date	11/19/2015	
Original County	SUWANNEE	
Section(s)	05, 08, 17, 20, 21, 22	
Township(s)	06S	
Range(s)	14E	
Total Area	83.3	Area Unit (A) Acre(s)
Recording County	B:	P:
Recording County Instrument #	I	

Comments: NEW/DIRECT LEASE #4772 GRANTED TO SUWANNEE COUNTY FOR SUWANNEE RIVER AT BRANFORD

Date prepped: 2/9/2016	Flip Card: <input checked="" type="checkbox"/>	Land Use Summary # 610667
MAA'd For Rescan & Additional Pages _____	Scan Box #	948

The information on this page was collected during the prep phase of scanning and is an aid for data entry. Please refer to the document for actual information.

This instrument prepared by:
Diane L. McKenzie,
Department of Environmental Protection
Bureau of Public Administration
Division of State Lands
3900 Commonwealth Blvd. MS 130
Tallahassee, Florida 32399-3000
27236

PARENT LEASE 4772

~~CANCELLATION OF LEASE~~ AND ASSIGNMENT OF SUBLEASE *New Direct/Parent Lease*

This Cancellation of Lease and Assignment of Sublease entered into this 19 day of November, 2015, by and between BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA, hereinafter referred to as "LESSOR", and STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF RECREATION AND PARKS as successor in interest to the OFFICE OF GREENWAYS and TRAILS, hereinafter referred to as "LESSEE", under the hereinafter described lease.

WITNESSETH:

WHEREAS, on January 9, 1996, LESSOR and LESSEE entered into Lease No. 4101 under which certain lands were leased by LESSOR to LESSEE for "...the leased premises only for the establishment and operation of the Suwannee River Greenway at Branford project, along with other related uses necessary for the accomplishment of this purpose as designated in the Management Plan required by Paragraph 7..." of Lease No. 4101; and

WHEREAS, on June 10, 1995, LESSEE subleased the lands described in Lease No. 4101 to SUWANNEE COUNTY, FLORIDA (hereinafter the "Subtenant") through Sublease No. 4101-002 for "...for the establishment and operation of non-motorized recreational trails as part of the Suwannee River Greenway at Branford and for resource based public outdoor recreation which is compatible with the conservation and protection of the Subleased Premises. Motorized vehicles shall not be permitted on the Subleased Premises except those permitted by Sublessee and approved by Sublessor for use only the the elderly and handicapped persons"; and

WHEREAS, LESSOR and LESSEE agree that the role of LESSEE as an intermediate party in the management of lands described in Lease No. 4101 and Sublease No. 4101-002 is no longer necessary or desirable.

NOW, THEREFORE, in consideration of the hereinabove and hereinafter mutual covenants and undertakings, the receipt and sufficiency of which are conclusively acknowledged, the parties agree as follows:

1. LESSEE hereby conveys, transfers and assigns all of its right, title and interest in Sublease No. 4101-002 to LESSOR, and LESSOR hereby accepts and assumes all the duties and responsibilities of LESSEE thereunder.

2. LESSEE hereby releases, assigns and quitclaims all of its right, title and interest in Lease No. 4101 and the lands leased thereunder that are included in Sublease No. 4101-002 to LESSOR and LESSOR and LESSEE agree to the cancellation of Lease No. 4101.

3. The parties intend and agree that the Sublease No. 4101-002 shall now serve as the direct lease between LESSOR and the Subtenant under new Lease No. 4772.

IN WITNESS WHEREOF, the parties have caused this Cancellation of Lease and Assignment of Sublease to be executed on the day and year first above written.

WITNESSES:

Dave Fewell
Original Signature

DAVE FEWELL
Print/Type Name of Witness

Cheryl C. Griffin
Original Signature

Kathy Griffin
Print/Type Name of Witness

BOARD OF TRUSTEES OF THE INTERNAL
IMPROVEMENT TRUST FUND OF THE STATE
OF FLORIDA

BY: Cheryl C. McCall (SEAL)
Cheryl C. McCall, Chief, Bureau of Public Land Administration,
Division of State Lands, State of Florida Department of
Environmental Protection, as agent for and on behalf of the
Board of Trustees of the Internal Improvement Trust Fund of the
State of Florida

"LESSOR"

STATE OF FLORIDA
COUNTY OF LEON

The foregoing instrument was acknowledged before me this 19 day of NOVEMBER, 2015, by Cheryl C. McCall, Chief, Bureau of Public Land Administration, Division of State Lands, State of Florida Department of Environmental Protection, as agent for and on behalf of the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida. She is personally known to me.

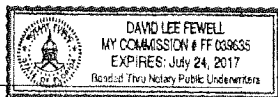
APPROVED SUBJECT TO PROPER EXECUTION:

[Signature] 11.3.15
DEP Attorney Date

David Lee Fewell
Notary Public, State of Florida

Printed, Typed or Stamped Name

My Commission Expires:



Commission/Serial No.

WITNESSES:

Original Signature

Print/Type Name of Witness

Original Signature

Print/Type Name of Witness

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF RECREATION AND PARKS

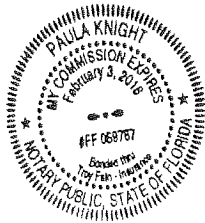
BY:

Sine A. Murray Environmental Administrator Office of Park Planning

"LESSEE"

STATE OF FLORIDA COUNTY OF LEON

The foregoing instrument was acknowledged before me this 13th day of November, 2015, by Sine A. Murray, Environmental Administrator, on behalf of the Division of Recreation and Parks, State of Florida Department of Environmental Protection. She is personally known to me.



Notary Public, State of Florida

Printed, Typed or Stamped Name

My Commission Expires: February 3, 2018

Commission/Serial No. FF 059787

SUWANNEE COUNTY AGREEMENT NO. 96-29

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SUBLEASE AGREEMENT

This Sublease Agreement is made and entered into this 25th day of June 1996, by and between the FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF GREENWAYS AND TRAILS, whose address is 325 John Knox Road, Building 500, Tallahassee, Florida 32303, hereinafter referred to as the "SUBLESSOR" and SUWANNEE COUNTY, FLORIDA, whose address is c/o Board of County Commissioners of Suwannee County, 224 Pine Avenue, Live Oak, Florida, hereinafter referred to as the "SUBLESSEE".

WITNESSETH:

WHEREAS, the SUBLESSOR is the lessee of that certain real property described in Lease No. 4101 entered into by and between the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida ("Trustees") as lessor and SUBLESSOR as lessee, a copy of which is attached hereto as Exhibit "A"; and

WHEREAS, SUBLESSOR desires to sublet to SUBLESSEE the premises covered by Lease No. 4101.

NOW, THEREFORE, for and in consideration of the mutual covenants and agreements hereinafter contained, SUBLESSOR subleases the below described premises to SUBLESSEE subject to the following terms and conditions:

1. DESCRIPTION OF SUBLEASED PREMISES: The property subject to this sublease agreement is situated in Suwannee County, Florida and is more particularly described in Lease No. 4101 and hereinafter referred to as the "Subleased Premises".

2. TERM: The term of this sublease agreement shall commence on June 10, 1996 and end on January 8, 2046, unless terminated sooner pursuant to the provisions of this sublease. SUBLESSEE acknowledges that this sublease is subject to the applicable provisions of Chapters 253, 259 and 260, Florida Statutes.

3. PURPOSE: SUBLESSEE shall manage the Subleased Premises only for the establishment and operation of non-motorized recreational trails as part of the Suwannee River Greenway at Branford and for resource based public outdoor recreation which is compatible with the conservation and protection of the Subleased Premises. Motorized vehicles shall not be permitted on the Subleased Premises except those permitted by Sublessee and approved by Sublessor for use only by the elderly and handicapped persons.

4. CONFORMITY: This sublease shall conform to all terms and conditions of Lease No. 4101 between the Trustees and SUBLESSOR. SUBLESSEE shall prevent the unauthorized use of the Subleased Premises or any use thereof not in conformance with this sublease.

5. QUIET ENJOYMENT AND RIGHT OF USE: SUBLESSEE shall have the right of ingress and egress to, from and upon the Subleased Premises for all purposes necessary to SUBLESSEE's full quiet enjoyment of the rights granted herein.

6. SUBLESSEE'S RESPONSIBILITIES: SUBLESSEE shall coordinate with SUBLESSOR and oversee all activities on the Subleased Premises, initiate appropriate management programs and coordinate the monitoring of all management activities undertaken by others. SUBLESSEE shall have the authority and right to enter and occupy the Subleased Premises for the purpose set forth in paragraph 3, above. SUBLESSEE shall, through its agents and employees, take all reasonable measures to provide security against property damage, property degradation and unauthorized uses or any other uses thereof not in conformance with this sublease. SUBLESSEE shall implement management programs and protection for all wildlife, including threatened and endangered species. SUBLESSEE shall establish, regulate and control hunting activities by providing required law enforcement to prevent poaching and to protect threatened and endangered species. SUBLESSEE shall also similarly protect archaeological and historic sites from looting and other unauthorized activities.

7. RIGHT OF INSPECTION: SUBLESSOR and the Trustees or their duly authorized agents, representatives or employees shall have the right at any and all times to inspect the Subleased Premises and the works and operations thereon of SUBLESSEE in any matter pertaining to this sublease.

1
FL 9607020688 B 591 P
REC NO. 16193014876

FILED AND RECORDED
DATE 07/11/1996 TH 14:37

U. RANDY HENDERSON CLERK
CO. SUWANNEE ST. FL

8. **INSURANCE REQUIREMENTS:** During the term of this sublease SUBLESSEE shall procure and maintain policies of fire, extended risk and liability insurance coverage. The extended risk and fire insurance coverage shall be in an amount equal to the full insurable replacement value of any improvements or fixtures located on the Subleased Premises. The liability insurance coverage shall be in amounts not less than \$100,000.00 per occurrence and \$200,000.00 per accident for personal injury, death and property damage on the Subleased Premises. Such policies of insurance shall name SUBLESSEE, the Trustees, SUBLESSOR and the State of Florida as co-insureds. SUBLESSEE shall submit written evidence of having procured all insurance policies required herein prior to the effective date of this sublease and shall submit annually thereafter, written evidence of maintaining such insurance policies to SUBLESSOR. SUBLESSEE shall purchase all policies of insurance from a financially responsible insurer duly authorized to do business in the State of Florida. Any certificate of self-insurance shall be issued or approved by the Insurance Commissioner, State of Florida. The certificate of self-insurance shall provide for casualty and liability coverage. SUBLESSEE further agrees to immediately notify SUBLESSOR, the Trustees and the insurer of any erection or removal of any structure or other fixed improvement on the Subleased Premises and any changes affecting the value of any improvements and to request said insurer to make adequate changes in the coverage to reflect the changes in value. SUBLESSEE shall be financially responsible for any loss due to failure to obtain adequate insurance coverage, and the failure to maintain such policies or certificate in the amounts set forth shall constitute a breach of this sublease.
9. **LIABILITY:** SUBLESSEE hereby covenants and agrees to investigate all claims of every nature at its own expense, and to indemnify, protect, defend, save and hold harmless SUBLESSOR, the Trustees and the State of Florida from any and all claims, actions, lawsuits and demands of any kind or nature arising out of this sublease.
10. **ARCHAEOLOGICAL AND HISTORIC SITES:** Execution of this sublease in no way affects any of the parties' obligations pursuant to Chapter 267, Florida Statutes. The collection of artifacts or the disturbance of archaeological and historic sites on state-owned lands is prohibited unless prior authorization has been obtained from the Department of State, Division of Historical Resources.
11. **EASEMENTS:** All easements, including, but not limited to, utility easements are expressly prohibited without the prior written approval of the Trustees and SUBLESSOR. Any easement not approved in writing by the Trustees and SUBLESSOR shall be void and without legal effect.
12. **OTHER AGREEMENTS:** This sublease agreement shall not be construed as authorization for SUBLESSEE to lease, sublease, convey or encumber the Subleased Premises or any portion thereof without the prior written approval of the Trustees and SUBLESSOR.
13. **SURRENDER OF SUBLEASED PREMISES:** Upon termination or expiration of this sublease agreement, SUBLESSEE shall surrender the Subleased Premises to SUBLESSOR. Upon termination or expiration of this sublease agreement, all improvements, including both physical structures and modifications to the Subleased Premises, shall become the property of the Trustees and SUBLESSOR, unless SUBLESSOR gives written notice to SUBLESSEE to remove any or all such improvements at the expense of SUBLESSEE. The decision to retain any improvements upon termination of this sublease shall be at SUBLESSOR's sole discretion. Prior to surrender of all or any part of the Subleased Premises, SUBLESSOR shall perform an onsite inspection and the keys to any buildings on the Subleased Premises shall be turned over to SUBLESSOR. If the Subleased Premises and improvements located thereon do not meet all of the conditions as set forth in paragraphs 19. and 20. herein, SUBLESSEE shall pay all costs necessary to meet the prescribed conditions.
14. **MINERAL RIGHTS:** This sublease does not cover petroleum or petroleum products or minerals and does not give the right to the SUBLESSEE to drill for or develop the same. However, SUBLESSEE shall be fully compensated for any and all damages that might result to the subleasehold interest of SUBLESSEE by reason of such exploration and recovery operations.
15. **DUPLICATE ORIGINALS:** This sublease is executed in duplicate originals each of which shall be considered an original for all purposes.
16. **ASSIGNMENT:** This sublease shall not be assigned in whole or in part without the prior written consent of the Trustees and SUBLESSOR. Any assignment made either in whole or

In part without the prior written consent of the Trustees and SUBLESSOR shall be void and without legal effect.

17. **SUBSUBLEASES:** This sublease is for the purposes specified herein and any subsubleases of any nature are prohibited, without the prior written approval of the Trustees and SUBLESSOR. Any subsublease not approved in writing by the Trustees and SUBLESSOR shall be void and without legal effect.
18. **PLACEMENT OF AND REMOVAL OF IMPROVEMENTS:** All buildings, structures, improvements and signs shall be constructed at the expense of the SUBLESSEE in accordance with plans prepared by professional designers and shall require the prior written approval of SUBLESSOR as to purpose, location and design. Further, no trees, other than non-native species, shall be removed or major land alterations done without the prior written approval of SUBLESSOR. Removable equipment, removable improvements and removable signs placed on the Subleased Premises by SUBLESSEE which do not become a permanent part of the Subleased Premises will remain the property of SUBLESSEE and may be removed by SUBLESSEE upon termination of this sublease.
19. **MAINTENANCE:** SUBLESSEE shall maintain the Subleased Premises and any improvements located thereon, in a state of good condition, working order and repair including, but not limited to, keeping the Subleased Premises free of trash or litter, meeting all building and safety codes in the location situated, maintaining all planned improvements, maintaining any and all existing roads, canals, ditches, culverts, risers and the like in as good condition as the same are on the effective date of this sublease provided, however, that any removal, closure, abandonment or the alteration of these improvements shall be acceptable when the proposed activity is consistent with the goals of conservation, protection and enhancement of the natural or historical resources within the Subleased Premises.
20. **UTILITY FEES:** SUBLESSEE shall be responsible for the payment of all charges for the furnishing of gas, electricity, water, telephone and all other public utilities to the Subleased Premises and for having all utilities turned off when the Subleased Premises are surrendered.
21. **ENTIRE UNDERSTANDING:** This sublease sets forth the entire understanding between the parties and shall only be amended with the prior written approval of the Trustees, SUBLESSOR and SUBLESSEE.
22. **BREACH OF COVENANTS, TERMS OR CONDITIONS:** Should SUBLESSEE breach any of the covenants, terms or conditions of this sublease, SUBLESSOR shall give written notice to SUBLESSEE to remedy such breach within sixty (60) days of such notice. In the event SUBLESSEE fails to remedy the breach to the satisfaction of SUBLESSOR within sixty (60) days of receipt of written notice, SUBLESSOR may terminate this sublease and recover from SUBLESSEE all damages SUBLESSOR may incur by reason of the breach including, but not limited to, the cost of recovering the Subleased Premises or maintain this sublease in full force and effect and exercise all rights and remedies herein conferred on SUBLESSOR.
23. **NO WAIVER OF BREACH:** The failure of SUBLESSOR to insist in any one or more instances upon strict performance of any one or more of the covenants, terms and conditions of this sublease agreement shall not be construed as a waiver of such covenants, terms and conditions, but the same shall continue in full force and effect, and no waiver by SUBLESSOR of any one of the provisions hereof shall in any event be deemed to have been made unless the waiver is set forth in writing and signed by SUBLESSOR.
24. **PROHIBITIONS AGAINST LIENS OR OTHER ENCUMBRANCES:** Fee simple title to the Subleased Premises is held by the Trustees. SUBLESSEE shall not do or permit anything to be done which purports to create a lien or encumbrance of any nature against the Subleased Premises including, but not limited to, mortgages or construction liens against the Subleased Premises or against any interest of the Trustees and SUBLESSOR therein.
25. **PARTIAL INVALIDITY:** If any term, covenant, condition or provision of this sublease shall be ruled by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder shall remain in full force and effect and shall in no way be affected, impaired or invalidated.
26. **CONDITIONS AND COVENANTS:** All of the provisions of this sublease agreement shall be deemed covenants running with the land included in the Subleased

Premises, and construed to be "conditions" as well as "covenants" as though the words specifically expressing or imparting covenants and conditions were used in each separate provision.

27. **DAMAGE TO SUBLEASED PREMISES:** (A) SUBLESSEE shall not do, or suffer to be done, in, on or upon the Subleased Premises or as affecting said Subleased Premises or adjacent properties, any act which may result in damage or depreciation of value to the Subleased Premises or adjacent properties, or any part thereof. (B) SUBLESSEE shall not generate, store, produce, place, treat, release or discharge any contaminants, pollutants or pollution, including, but not limited to, hazardous or toxic substances, chemicals or other agents on, into, or from the Subleased Premises or any adjacent lands or waters in any manner not permitted by law. For the purposes of this sublease, "hazardous substances" shall mean and include those elements or compounds defined in 42 U.S.C. Section 9601 or which are contained in the list of hazardous substances adopted by the United States Environmental Protection Agency ("EPA") and the list of toxic pollutants designated by the United States Congress or the EPA or defined by any other federal, state or local statute, law, ordinance, code, rule, regulation, order or decree regulating, relating to, or imposing liability or standards of conduct concerning any hazardous, toxic or dangerous waste, substance, material, pollutant or contaminant. "Pollutants" and "pollution" shall mean those products or substances defined in Chapters 376 and 403, Florida Statutes, and the rules promulgated thereunder, all as amended or updated from time to time. In the event of SUBLESSEE's failure to comply with this paragraph, SUBLESSEE shall, at its sole cost and expense, promptly commence and diligently pursue any legally required closure, investigation, assessment, cleanup, decontamination, remediation, restoration and monitoring of (1) the Subleased Premises, and (2) all off-site ground and surface waters and lands affected by SUBLESSEE's such failure to comply, as may be necessary to bring the Subleased Premises and affected off-site waters and lands into full compliance with all applicable federal, state or local statutes, laws, ordinances, codes, rules, regulations, orders and decrees, and to restore the damaged property to the condition existing immediately prior to the occurrence which caused the damage. SUBLESSEE's obligations set forth in this paragraph shall survive the termination or expiration of this sublease. Nothing herein shall relieve SUBLESSEE of any responsibility or liability prescribed by law for fines, penalties and damages levied by governmental agencies, and the cost of cleaning up any contamination caused directly or indirectly by SUBLESSEE's activities or facilities. Upon discovery of a release of a hazardous substance or pollutant, or any other violation of local, state or federal law, ordinance, code, rule, regulation, order or decree relating to the generation, storage, production, placement, treatment, release or discharge of any contaminant, SUBLESSEE shall report such violation to all applicable governmental agencies having jurisdiction, and to SUBLESSOR, all within the reporting periods of the applicable agencies.

28. **RIGHT OF AUDIT:** SUBLESSEE shall make available to the Trustees or SUBLESSOR all financial and other records relating to this sublease and the Trustees or SUBLESSOR shall have the right to audit such records at any reasonable time. This right shall be continuous until this sublease expires or is terminated. This sublease may be terminated by SUBLESSOR should SUBLESSEE fail to allow public access to all documents, papers, letters or other materials made or received in conjunction with this sublease, pursuant to Chapter 119, Florida Statutes.

29. **NON-DISCRIMINATION:** SUBLESSEE shall not discriminate against any individual because of that individual's race, color, religion, sex, national origin, age, handicap, or marital status with respect to any activity occurring within the Subleased Premises or upon lands adjacent to and used as an adjunct of the Subleased Premises.

30. **COMPLIANCE WITH LAWS:** SUBLESSEE agrees that this sublease is contingent upon and subject to SUBLESSEE obtaining any and all applicable permits and the complying with all applicable permits, regulations, ordinances, rules and laws of the State of Florida or the United States or of any political subdivision or agency of either.

31. **PAYMENT OF TAXES AND ASSESSMENTS:** SUBLESSEE shall assume full responsibility for and shall pay all liabilities that accrue to the Subleased Premises or to the improvements thereon, including any and all drainage and special assessments or taxes of every kind and all mechanic's or materialman's liens which may be hereafter lawfully assessed and levied against the Subleased Premises during the effective period of this sublease.

32. **NOTICE:** All required notices shall be deemed sufficient if sent by U.S. mail to the addresses of parties as shown on the first page of this sublease.

33. **CONDITION OF PROPERTY:** This sublease is made by SUBLESSOR without representation or warranty of any kind. SUBLESSOR assumes no liability or obligation to SUBLESSEE with reference to the condition of the Subleased Premises or the suitability of the Subleased Premises for any improvements. The Subleased Premises are subleased by SUBLESSOR to SUBLESSEE in an "as is" condition, with SUBLESSOR assuming no responsibility for bidding, contracting, permitting, construction, and the care, repair, maintenance or improvement of the Subleased Premises for the benefit of SUBLESSEE.
34. **SOVEREIGNTY SUBMERGED LANDS:** This sublease does not authorize any use of lands located waterward of the mean or ordinary high water line of any lake, river, stream, creek, bay, estuary, or other water body or the waters or the air space thereabove.
35. **TIME:** Time is expressly declared to be of the essence of this sublease.
36. **GOVERNING LAW:** This sublease shall be governed by and interpreted according to the laws of the State of Florida.
37. **SIGNAGE:** SUBLESSEE shall be responsible for placement of appropriate signs at a specified number of locations on the Subleased Premises which will be mutually determined by SUBLESSOR and SUBLESSEE. Signs shall indicate that the Subleased Premises were purchased by the Department of Environmental Protection, Office of Greenways and Trails, with Preservation 2000 funds under the Rails-to-Trails Program. All signs shall conform to the signs policies and procedures established by the Office of Greenways and Trails, and signage specifications shall be mutually agreed upon by SUBLESSOR and SUBLESSEE prior to permanent placement of the signs on the Subleased Premises.
38. **MANAGEMENT PLAN:** SUBLESSEE will provide a land use, development and maintenance/operations conceptual plan within 90 days of the execution of this Sublease.
39. **NON-NATIVE SPECIES:** Planting Non-Native Species is expressly prohibited.
40. **USE PERMITS:** SUBLESSOR reserves the right to review all use permits for compliance with terms of SUBLESSOR'S lease with the Trustees of the Internal Improvement Trust Fund of the State of Florida prior to issuance by SUBLESSEE.
41. **SECTION CAPTIONS:** Articles, subsections and other captions contained in this sublease are for reference purposes only and are no way intended to describe, interpret, define or limit the scope, extent or intent of this sublease or any provisions thereof.

SUBLESSOR

FLORIDA DEPARTMENT OF ENVIRONMENTAL
PROTECTION, OFFICE OF GREENWAYS AND
TRAILS

By: R. Dale Patchett
R. Dale Patchett, Executive Liaison Officer,
Office of the Secretary,
Department of Environmental Protection,
on behalf of the
Office of Greenways and Trails

Approved as to Form and Legality

By: Laura Hester
DEP Attorney

Patricia Tolabay
Signature of Witness

Patricia Tolabay
Printed/Typed Name of Witness

Shirley Hayes
Signature of Witness

Tara Hester
Printed/Typed Name of Witness

Suwannee County, a political subdivision of
the State of Florida
By its Board of County Commissioners

Edward L. Allen
Signature of Witness

Edward L. Allen
Printed/Typed Name of Witness

Elsine Robinson
Signature of Witness

Elsine Robinson
Printed/Typed Name of Witness

By: Ivie Fowler
Printed/Typed Name: Ivie Fowler
Printed/Typed Title: Chairman, Board of
County Commissioners

Attest: Randy Henderson
Printed/Typed Name: R. Randy Henderson
Printed/Typed Title: Clerk of Circuit Court

(OFFICIAL SEAL)

CONSENT TO SUBLEASE

Trustees hereby consent to this Sublease.

BOARD OF TRUSTEES OF THE INTERNAL
IMPROVEMENT TRUST FUND OF THE STATE
OF FLORIDA

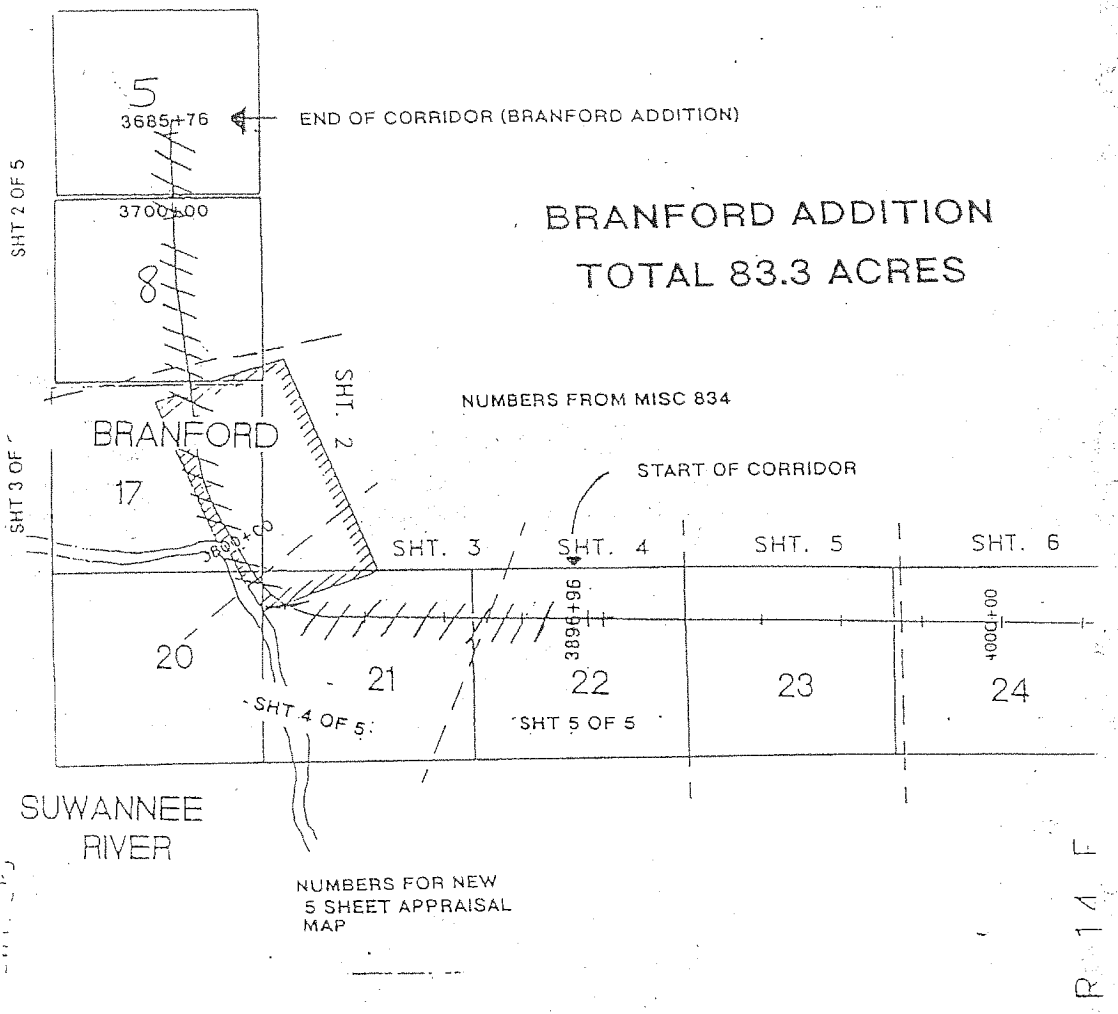
Patricia Tabony
Signature of Witness

Patricia Tabony
Printed/Typed Name of Witness

Tara Hayes
Signature of Witness

Tara Hayes
Printed/Typed Name of Witness

By: Daniel T. Crabb
Daniel T. Crabb, Chief, Bureau of Land
Management Services, Division of State
Lands, Department of Environmental
Protection, as agent for and on behalf of
the Board of Trustees of the Internal
Improvement Trust Fund of the State of
Florida



NO. 4101 NEW LEASE 4772
 EXHIBIT A
 PAGE 44 OF 83

ATTACHMENT 020
 PAGE

This instrument prepared by
or under the direction of:

1894-00733
v:\wpdoc\deeds\fldnr.04p

William C Basney
William C. Basney
Senior Counsel
CSX Transportation, Inc.
500 Water Street
Jacksonville, Florida 32202

THIS WARRANTY DEED, made this 2nd day of May, 1995,
between CSX TRANSPORTATION, INC., a Virginia corporation, whose mailing address
is 500 Water Street, Jacksonville, Florida 32202, hereinafter called "Grantor",
and the BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF
FLORIDA, whose mailing address is c/o Florida Department of Environmental
Protection, Office of Greenways and Trails - MS 795, 325 John Knox Road, Building
500, Tallahassee, Florida 32302-4124, hereinafter called "Grantee", and CHEMICAL
BANK, Trustee as hereinafter provided, WITNESSETH:

(Wherever used herein, the terms "Grantor" and
Grantee" may be construed in the singular or plural as
the context may require or admit, and for purposes of
exceptions, reservations and/or covenants, shall include
the successors and assigns of corporations and public
bodies.)

THAT Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS
(\$10.00), and other valuable consideration, the receipt of which is hereby
acknowledged, has granted, bargained and sold, and by these presents does GRANT,
BARGAIN, SELL and CONVEY unto Grantee, its successors and assigns forever, all
right, title and interest in and to those certain tracts or parcels of land
situate, lying and being in Suwannee County, Florida, and having a Tax Parcel
Identification Number of _____,
hereinafter individually referred to as "Premises A" and "Premises B", Premises
A being more particularly described in Exhibit A and Premises B being more
particularly described in Exhibit B, attached hereto and incorporated herein, AND
FURTHER, Grantor has bargained and sold, and by these presents does BARGAIN,
SELL, RELEASE, REMISE, and CONVEY unto Grantee, its successors and assigns
forever, all right, title and interest, if any, in and to that certain tract or
parcel of land situate, lying and being in Suwannee County, Florida, hereinafter
also designated the "Premises C," more particularly described in Exhibit C,
attached hereto and incorporated herein, and containing 76.96 acres, more or
less. Premises A, B and C are hereinafter collectively referred to as "the
Premises."

Parcel I.D.#'s 17061-403980
03857-002000
04315-001000
04371-000000
04382-001000

Return to
Roy T. Rhodes, III
Land Acquisition Agent
Office of Greenways and Trails
325 John Knox Road Building 500
Tallahassee FL 32303-4124

RANDY HENDERSON CLERK
FILED AND RECORDED
DATE 08/21/1995 10:08
DOC STAMPS
1.256.50
00
FL#9508018176 B 546 P 26
REC NO. 15233006495

NO. 4407 NEW LEASE 4772
EXHIBIT A
PAGE 15 OF 25

TOGETHER WITH all buildings, structures and improvements thereon, and all and singular the rights, alleys, ways, waters, privileges, hereditaments and appurtenances to the Premises belonging or in anyway incident or appertaining.

RESERVING unto Grantor, its successors and assigns, a non-exclusive access easement, hereinafter "Access Easement," twenty (20) feet in width, for the purpose of ingress and egress to Grantor's lands adjacent to the Premises and described in Deed Book GG, Page 37 of the Official Records of Suwannee County, Florida, which Access Easement is more particularly described in Exhibit D, attached hereto and incorporated herein.

TO HAVE AND TO HOLD Premises A unto Grantee, Grantee's successors and assigns, in fee simple forever.

SUBJECT to reservations, exceptions and restrictions of record, all existing public utilities, all encroachments, existing ways and servitudes, howsoever created, determinable by a proper survey or by an inspection of Premises A, including but not limited to deed dated September 19, 1994 from Annie Mae Touchton to Patricia Touchton Goff and Sandra Touchton Aupperle recorded among the Public Land Records of Suwannee County, Florida in Deed Book 504, Page 435; deed dated March 30, 1954 from Annie F. Blanchard to James O. Blanchard and Dorothy W. Blanchard recorded as aforesaid in Deed Book 99, Page 187; deed dated March 16, 1971 from Mrs. L. D. McCall to Thomas L. Duncan and Macell J. Duncan recorded as aforesaid in Deed Book 85, Page 313; deed dated March 7, 1967 from Estell Fender Thomas to Thomas L. Duncan and Macell J. Duncan recorded as aforesaid in Deed Book 43, Page 240; Final Judgment dated May 2, 1983 between Bertha Lee Floyd, Plaintiff, and Frances E. Thompson, Willie J. Floyd, et al, Defendants, recorded as aforesaid in Deed Book 247, Page 305; and deed dated December 30, 1992 from Walter McDougal and Kevin McDougal to Pearl Showers recorded as aforesaid in Deed Book 450, page 428, Grantor hereby WARRANTS that Premises A are free from encumbrances, and that it will forever warrant and defend all and singular Premises A unto Grantee against claims of or by Grantor and all other persons lawfully claiming or to claim the same or any part thereof, by, through or under Grantor.

TO HAVE AND TO HOLD PREMISES B and C, and all the estate, right, title, lien, interest and claim whatsoever of Grantor therein, either in law or equity, and all improvements thereon and appurtenances thereto, unto the proper use, benefit and enjoyment of Grantee, Grantee's successors and assigns, forever.

SUBJECT TO reservations, exceptions and restrictions of record, all existing public utilities, all encroachments, existing ways and servitudes, howsoever created, determinable by a proper survey or by an inspection of Premises B and C, Grantor WARRANTS that it has a property interest in Premises B only to the extent of and pursuant to the recorded instruments listed on Exhibit B and that it has done nothing to alienate or impair such interest. Except to the extent previously herein warranted as to Premises A and B, Grantor does not warrant any interest in Premises C.

FL#9508018176 B 546 P 27
REC NO. 15233006495

NO. 4101 NEW LEASE 4772
EXHIBIT A
PAGE 16 OF 25

AND THIS DEED FURTHER WITNESSETH that Chemical Bank, a New York corporation, Corporate Trustee under the former Seaboard Coast Line Railroad Company's Consolidated Mortgage dated March 15, 1971, as supplemented, has executed this deed for the sole purpose of releasing and does hereby release all estate, right, title, lien and interest of the Trustee under said Mortgage, in and to the property herein conveyed, or in and to the estate, right, title and interest herein quitclaimed, pursuant to the provisions of Section 5.02 of Article Five of said Mortgage; Individual Trustee, L. F. Sadler of Jacksonville, Florida, being relieved of any obligation to join in such release by Section 10.06 of Article Ten of said Mortgage. This release is subject to any and all the same rights, reservations, exceptions, limitations and agreements herein specified on behalf of the Grantor, and is without covenant or warranty, express or implied, and without recourse against said Trustee in any event, and recitals of fact herein are to be taken only as recitals of Grantor and Grantee and not of Trustee.

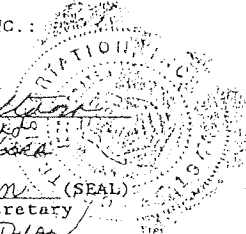
IN WITNESS WHEREOF, CSX TRANSPORTATION, INC. and CHEMICAL BANK, (as the aforesaid Trustee), pursuant to due corporate authority, have caused their names to be signed hereto by their officers hereunto duly authorized and their corporate seals, duly attested, to be hereunto affixed.

Signed, sealed and delivered in the presence of:

Wm M Kern
W M Kern
Robert L Wheaton
Robert L Wheaton

CSX TRANSPORTATION, INC.:

By Patricia J. Adcock
Vice President
Patricia J. Adcock
Attest Joyce A. DeLan (SEAL)
Asst Secretary
Joyce A. DeLan



Signed, sealed and delivered in the presence of:

Adams C. McHenry
ADAMS C. MCHENRY
Kevin J. Salmini
KEVIN J. SALMINI

CHEMICAL BANK, as Corporate Trustee as aforesaid:

By Michele Stein Katz
MICHELE STEIN KATZ SENIOR TRUST OFFICER
Attest Andrew M. Deck
ANDREW M. DECK TRUST OFFICER

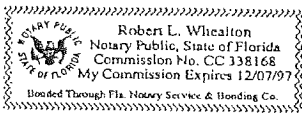
FL#9508018176 B 546 P 28
REC NO. 15233006495

NO. 4404 NEW LEASE 4772
EXHIBIT A
PAGE 17 OF 25

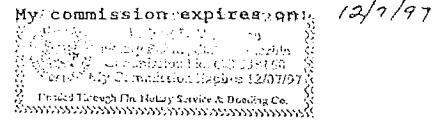
STATE OF FLORIDA)
) SS.
COUNTY OF DUVAL)

I, Robert L. Whealton, a Notary Public of the State of Florida and the County of Duval, do certify that, on the date below, before me in said County came Patricia S. Altora, () to me known, and/or () proven by satisfactory current evidence to be the person whose name is subscribed to the above instrument, who, being by me first duly sworn, did make oath, acknowledge and say that: she resides in Jacksonville, Duval County, Florida; she is VICE PRESIDENT of CSX Transportation, Inc., the corporation described in and which executed said instrument; she is fully informed of the contents of the instrument; she knows the seal of said corporation; the seal affixed to said instrument is such seal; it was so affixed by authority of the Board of Directors of said corporation; she signed ~~his~~ name thereto for said corporation pursuant to Board authority; and instrument is the free act and deed of said corporation; and the conveyance herein is not part of a transaction, sale, lease, exchange or other transfer or conveyance of all or substantially all of the property and/or assets of the Grantor.

IN WITNESS WHEREOF, I hereunto set my hand and official seal, this 2nd day of May, 1995.



Robert L. Whealton (SEAL)
Notary Public
Print Name: R. L. Whealton



STATE OF NEW YORK)
) SS.
COUNTY OF NEW YORK)

I, ANNABELLE DeLUCA, a Notary Public of said County and State, duly authorized to take acknowledgements, do certify that on MAY 3rd 1995, before me in said County and State personally came MICHELE STEIN KATZ and ANDREW M. DECK, to me known, and known to me to be the persons whose name are subscribed to the above instrument, bearing date on the 1st day of MAY, 1995, who, being by me first duly sworn, did severally depose, acknowledge and say that: They are SENIOR TRUST OFFICER and TRUST OFFICER, respectively, of Chemical Bank, a corporation under the laws of the State of New York, and Corporate Trustee under the Consolidated Mortgage made by the former Seaboard Coast Line Railroad Company, dated March 15, 1971, as supplemented and modified; they, being informed of the contents of the instrument, signed their names thereto with full authority to act for said corporation; the seal of the corporation was affixed to the instrument, and the instrument delivered, by said MICHELE STEIN KATZ, SENIOR TRUST OFFICER as aforesaid, by like authority; and said instrument is the free act and deed of said corporation.

IN WITNESS WHEREOF, I hereunto set my hand and official seal, the day and year written above.

ANNABELLE DeLUCA
Notary Public, State of New York
Commission No. 1351231750
Qualified in FLORIDA County
Certificate Filed in New York County
Commission Expires July 15, 1995

Annabelle DeLuca (SEAL)
Notary Public

FL#9508018176 B 546 P 29
REC NO. 15233006495

NO. 4401 NEW LEASE 4772
EXHIBIT A
PAGE 18 OF 25

EXHIBIT A

Description of property between: Suwannee County, Florida
 To: Board of Trustees of the Internal Improvement Trust Fund
 of the State of Florida
 CSXT Deed File No.: 1994-00733

Map No.	Parcel No.	Grantor	Grantee	Date	Book	Page
23	1	W. J. Peterson, et ux	SF&W RY	03-09-1888	M	235
23 S23-24	2,3,4 1	Robert Ivey	SF&W RY	10-27-1885	I	493
24	3	E. D. Blanchard	LOT & CH RY	02-08-1884	J	237

The Live Oak, Tampa and Charlotte Harbor Railroad Company (LOT&GH RR) merged into The Savannah, Florida and Western Railway Company (SF&W RW) on March 10, 1884. The Savannah, Florida and Western Railway Company was merged into the Atlantic Coast Line Railroad Company, effective July 1, 1902. On July 1, 1967 the Atlantic Coast Line Railroad Company merged with the Seaboard Air Line Railroad Company to form the Seaboard Coast Line Railroad Company. On December 29, 1982 the Louisville and Nashville Railroad Company merged into Seaboard Coast Line Railroad Company, and the name of the surviving corporation changed to Seaboard System Railroad, Inc. On July 1, 1986, Seaboard System Railroad, Inc. changed its name to CSX Transportation, Inc.

FL#9508018176 B 546 P 30
 REC NO. 15233006495

NO. 4101 NEW LEASE 4772
 EXHIBIT A
 PAGE 19 OF 25

EXHIBIT B

Description of property between: Suwannee County, Florida
 To: Board of Trustees of the Internal Improvement Trust Fund
 of the State of Florida
 CSXT Deed File No.: 1994-00733

FL#9508018176 B 546 P 31
 REC NO. 15233006495

Map No.	Parcel No.	Grantor	Grantee	Date	Book	Page
S23-24	2,6	R. A. Ivey	ACL RR	06-13-1907	GC	37
S23-24	3	J. A. Ivey	LOT & CH RY	12-31-1885	I	582
S23-24	1,4	Maurice Wilkinson, et ux	SF&W RY	11-06-1885	I	580
24	2	Maurice Wilkinson, et ux	SF&W RY	03-26-1886	J	104

The Live Oak, Tampa and Charlotte Harbor Railroad Company (LOT&CH RR) merged into The Savannah, Florida and Western Railway Company (SF&W RY) on March 10, 1884. The Savannah, Florida and Western Railway Company was merged into the Atlantic Coast Line Railroad Company, (AC RR) effective July 1, 1902. On July 1, 1967 the Atlantic Coast Line Railroad Company merged with the Seaboard Air Line Railroad Company to form the Seaboard Coast Line Railroad Company. On December 29, 1982 the Louisville and Nashville Railroad Company merged into Seaboard Coast Line Railroad Company, and the name of the surviving corporation changed to Seaboard System Railroad, Inc. On July 1, 1986, Seaboard System Railroad, Inc. changed its name to CSX Transportation, Inc.

NO. 4101 NEW LEASE 4772
 EXHIBIT A
 PAGE 20 OF 25

EXHIBIT C

Description of property between: Suwannee County, Florida
To: Board of Trustees of the Internal Improvement Trust Fund
of the State of Florida
CSXT Deed File No.: 1994-00733

A PORTION OF THE ABANDONED CSX TRANSPORTATION INC. GEORGIA STATE LINE TO LAKELAND RAILROAD CORRIDOR LYING IN SECTIONS 5, 8, 17, 20, 21 AND 22, TOWNSHIP 6 SOUTH, RANGE 14 EAST, SUWANNEE COUNTY, FLORIDA, BEGINNING AT VALUATION STATION 3685+76 AND EXTENDING SOUTHERLY AND EASTERLY TO VALUATION STATION 3896+96, ALL AS DEPICTED ON ATLANTIC COAST LINE RAILROAD COMPANY RIGHT-OF-WAY AND TRACK MAP SHEETS V.5 FLA/23, V.5 FLA/23-24, AND V.5 FLA/24.

LESS AND EXCEPT ROAD RIGHTS-OF-WAY AS MAINTAINED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION.

SAID LANDS BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

AS A POINT OF REFERENCE, COMMENCE AT THE NORTHWEST CORNER OF SAID SECTION 22; THENCE RUN S 01°12'41" E, ALONG THE WEST LINE OF SAID SECTION 22, A DISTANCE OF 1331.50 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST ONE QUARTER OF THE NORTHWEST ONE QUARTER OF SAID SECTION 22 AND THE POINT OF BEGINNING, SAID CORNER LYING ON THE NORTH BOUNDARY OF THE AFORESAID ABANDONED CSX TRANSPORTATION INC. RAILROAD CORRIDOR; THENCE RUN N 88°22'29" E, ALONG THE NORTH LINE OF SAID SOUTHWEST ONE QUARTER OF THE NORTHWEST ONE QUARTER, 1329.37 FEET TO THE NORTHEAST CORNER OF SAID SOUTHWEST ONE QUARTER; THENCE RUN N 01°14'19" W, ALONG THE EAST LINE OF THE WEST ONE HALF OF SAID NORTHWEST QUARTER OF SECTION 22, A DISTANCE OF 20.72 FEET TO A POINT LYING 100.00 FEET NORTH, WHEN MEASURED AT RIGHT ANGLES, OF THE CENTERLINE OF SAID RAILROAD CORRIDOR; THENCE DEPARTING SAID EAST LINE, RUN N 89°23'52" E, ALONG A LINE BEING 100.00 FEET NORTH OF AND PARALLEL WITH SAID CENTERLINE, 1654.92 FEET TO A POINT MARKING SAID RAILROAD VALUATION STATION 3896+96, SAID POINT BEING LOCATED 5,689 FEET EASTERLY, MEASURED ALONG THE CENTERLINE OF SAID ABANDONED RAILROAD CORRIDOR, FROM MILEPOST AR-695/S204, SAID POINT LYING ON THE WESTERLY BOUNDARY OF THOSE LANDS CONVEYED TO FLORIDA POWER CORPORATION BY CSX TRANSPORTATION INC.; THENCE RUN S 00°36'08" E, ALONG SAID WESTERLY BOUNDARY, 200.00 FEET TO THE SOUTH BOUNDARY OF SAID ABANDONED RAILROAD CORRIDOR, BEING 100.00 FEET SOUTH, WHEN MEASURED AT RIGHT ANGLES, OF SAID CENTERLINE; THENCE RUN S 89°23'52" W, ALONG A LINE BEING 100.00 FEET SOUTH OF AND PARALLEL WITH SAID CENTERLINE, 2982.19 FEET TO SAID WEST LINE OF SECTION 22; THENCE RUN N 01°12'41" W, ALONG SAID WEST LINE, 50.00 FEET TO A POINT LYING 50.00 FEET SOUTH, WHEN MEASURED AT RIGHT ANGLES, OF SAID CENTERLINE; THENCE DEPARTING SAID WEST LINE, RUN S 89°23'52" W, ALONG A LINE BEING 50.00 FEET SOUTH OF AND PARALLEL WITH

FL#9508018176 B 546 P 32

NO. 4101 NEWLEASE 4772
EXHIBIT A
PAGE 21 OF 25

SAID CENTERLINE, 3484.45 FEET TO A CURVE CONCAVE TO THE NORTHEAST AND HAVING A RADIUS OF 2338.31 FEET; THENCE RUN WESTERLY, NORTHWESTERLY AND NORTHERLY ALONG SAID CURVE, BEING 50.00 FEET WESTERLY, BY RADIAL MEASURE, OF SAID CENTERLINE, THROUGH A CENTRAL ANGLE OF 50°43'51" FOR A DISTANCE OF 2070.39 FEET TO THE EAST LINE OF SAID SECTION 20; THENCE RUN S 00°38'25" E, ALONG SAID EAST LINE, ALSO BEING THE WESTERLY BOUNDARY OF SAID RAILROAD CORRIDOR, 77.85 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE TO THE EAST AND HAVING A RADIUS OF 2388.31 FEET, SAID POINT LYING 100.00 FEET WESTERLY, BY RADIAL MEASURE, OF SAID CENTERLINE; THENCE FROM A CHORD BEARING OF N 35°33'11" W, RUN NORTHERLY ALONG SAID CURVE, BEING 100.00 FEET WESTERLY, BY RADIAL MEASURE, OF SAID CENTERLINE, THROUGH A CENTRAL ANGLE OF 11°31'47" A DISTANCE OF 480.61 FEET TO THE END OF SAID CURVE; THENCE RUN N 29°47'18" W, ALONG A LINE BEING 100.00 FEET WEST OF AND PARALLEL WITH SAID CENTERLINE, 1271.44 FEET; THENCE DEPARTING SAID LINE RUN N 60°12'42" E, 2.50 FEET; THENCE RUN N 29°47'18" W, ALONG A LINE BEING 97.50 FEET WEST OF AND PARALLEL WITH SAID CENTERLINE, 165.90 FEET; THENCE RUN S 60°12'42" W, 2.50 FEET; THENCE RUN N 29°47'18" W, ALONG A LINE BEING 100.00 FEET WEST OF AND PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 133.54 FEET TO A CURVE CONCAVE TO THE EAST AND HAVING A RADIUS OF 5829.65 FEET; THENCE RUN NORTHERLY ALONG SAID CURVE, BEING 100.00 FEET WESTERLY, BY RADIAL MEASURE, OF SAID CENTERLINE, THROUGH A CENTRAL ANGLE OF 23°27'49" FOR A DISTANCE OF 2387.34 FEET TO THE END OF SAID CURVE; THENCE RUN N 6°19'29" W, ALONG A LINE BEING 100.00 FEET WEST, WHEN MEASURED AT RIGHT ANGLES, OF SAID CENTERLINE, A DISTANCE OF 7892.73 FEET; THENCE RUN N 6°19'55" W, ALONG A LINE BEING 100.00 FEET WEST, WHEN MEASURED AT RIGHT ANGLES, OF SAID CENTERLINE, A DISTANCE OF, 435.44 FEET TO A POINT MARKING SAID RAILROAD VALUATION STATION 3685+76, SAID POINT BEING LOCATED 4912 FEET NORTHERLY, MEASURED ALONG THE CENTERLINE OF SAID ABANDONED RAILROAD CORRIDOR, FROM MILEPOST AR693/S 202, SAID POINT LYING ON THE SOUTHERLY BOUNDARY OF THOSE LANDS CONVEYED TO FLORIDA POWER CORPORATION BY CSX TRANSPORTATION INC.; THENCE RUN N 83°40'05" E, ALONG SAID SOUTHERLY BOUNDARY, 180.00 FEET TO THE EASTERLY BOUNDARY OF SAID ABANDONED RAILROAD CORRIDOR, SAID EASTERLY BOUNDARY BEING THE WEST RIGHT-OF-WAY LINE OF STATE ROAD 249 AS DESCRIBED IN OFFICIAL RECORDS BOOK 257 AT PAGE 18 OF THE PUBLIC RECORDS OF SUWANNEE COUNTY, FLORIDA; THENCE RUN S 6°19'55" E, ALONG SAID EASTERLY BOUNDARY, 435.46 FEET; THENCE RUN S 6°19'29" E, ALONG SAID EASTERLY BOUNDARY, 7175.46 FEET TO A CURVE CONCAVE TO THE EAST AND HAVING A RADIUS OF 3874.66 FEET; THENCE RUN SOUTHERLY ALONG SAID CURVE AND EASTERLY BOUNDARY THROUGH A CENTRAL ANGLE OF 5°49'09", A DISTANCE OF 393.52 FEET TO A POINT LYING 100.00 FEET EAST, WHEN MEASURED AT RIGHT ANGLES, OF SAID CENTERLINE; THENCE DEPARTING SAID CURVE, RUN S 6°19'29" E, ALONG A LINE BEING 100.00 FEET EAST OF AND PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 324.44 FEET TO A CURVE CONCAVE TO THE EAST AND HAVING A RADIUS OF 5629.65 FEET; THENCE RUN SOUTHERLY ALONG SAID CURVE, BEING 100.00 FEET EAST, BY RADIAL MEASURE, OF SAID CENTERLINE, THROUGH A CENTRAL ANGLE OF 23°27'49" FOR A DISTANCE OF 2305.44 FEET TO THE END OF SAID CURVE; THENCE RUN S 29°47'18" E, ALONG A LINE BEING 100.00 FEET EAST OF AND PARALLEL WITH SAID CENTERLINE, A

FL#9508018176 B 546 P 33
REC NO. 15233006495

NO. 4104 NEW LEASE 4772
EXHIBIT A
PAGE 22 OF 25

DISTANCE OF 100.12 FEET TO THE NORTH LINE OF THOSE LANDS CONVEYED BY THE SEABOARD COAST LINE RAILROAD COMPANY TO THE TOWN OF BRANFORD; THENCE RUN S 60°12'42" W, ALONG SAID NORTH LINE, 50.00 FEET; THENCE RUN S 29°47'18" E, ALONG THE WEST LINE OF SAID CONVEYED LANDS, 662.00 FEET; THENCE RUN S 60°12'42" W, ALONG THE WESTERLY PROLONGATION OF THE SOUTH LINE OF SAID CONVEYED LANDS, 25.00 FEET TO A POINT LYING 25.00 FEET EAST, WHEN MEASURED AT RIGHT ANGLES, OF SAID CENTERLINE; THENCE RUN S 29°47'18" E, ALONG A LINE LYING 25.00 FEET EAST OF AND PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 716.66 FEET TO THE NORTH RIGHT-OF-WAY LINE OF STATE ROAD 20; THENCE RUN N 68°34'38" E, ALONG SAID NORTH RIGHT-OF-WAY LINE, 75.81 FEET; TO A POINT LYING 100.00 FEET EAST, WHEN MEASURED AT RIGHT ANGLES, OF SAID CENTERLINE, THENCE DEPARTING SAID NORTH RIGHT-OF-WAY LINE, RUN S 29°47'18" E, ALONG A LINE BEING 100.00 FEET EAST OF AND PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 92.99 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF SAID STATE ROAD NO. 20; THENCE RUN S 68°34'38" W, ALONG SAID SOUTH RIGHT-OF-WAY LINE, 50.53 FEET TO A POINT LYING 50.00 FEET EAST, BY RADIAL MEASURE, OF SAID CENTERLINE, SAID POINT LYING ON A NON-TANGENT CURVE CONCAVE TO THE NORTHEAST AND HAVING A RADIUS OF 2238.31 FEET, THENCE FROM A CHORD OF S60°15'14"E, RUN SOUTHERLY, SOUTHEASTERLY AND EASTERLY ALONG SAID CURVE, BEING 50.00 FEET EAST, BY RADIAL MEASURE, OF SAID CENTERLINE, THROUGH A CENTRAL ANGLE OF 60°41'49" FOR A DISTANCE OF 2371.18 FEET TO THE END OF SAID CURVE; THENCE RUN N 89°23'52" E ALONG A LINE BEING 50.00 FEET NORTH OF AND PARALLEL WITH SAID CENTERLINE, 3483.39 FEET TO SAID WEST LINE OF SECTION 22; THENCE N 1°12'41" W, ALONG SAID WEST LINE, 5.55 FEET TO THE POINT OF BEGINNING.

LESS AND EXCEPT ROAD RIGHTS-OF-WAY FOR STATE ROAD NO. 20 (0.43 ACRES).

TOTAL AREA OF THE ABOVE DESCRIBED PARCEL LESS THE ABOVE DESCRIBED ROAD RIGHTS-OF-WAY IS 76.96 ACRES, MORE OR LESS.

FL#9508018176 B 546 P 34
REC NO. 15233006495

NO. 4107 NEW LEASE 4772
EXHIBIT A
PAGE 23 OF 25

EXHIBIT D

Description of Access Easement at: Suwannee County, Florida
To: Board of Trustees of the Internal Improvement Trust Fund
of the State of Florida
CSXT Deed File No.: 1994-00733

A parcel of land lying in the southeast 1/4 of Section 17, Township 6 South, Range 14 East, Suwannee County, Florida, described as follows:

Begin at the southwesterly corner of those lands conveyed by the Seaboard Coast Line Railroad Company to the town of Branford per document dated October 24, 1968, said corner lying 1,299 feet southeasterly, when measured along the centerline of said Railroad's former main track, of milepost AR694/S203 and 50 feet easterly, measured at right angles, of said centerline; thence run S 60°12'42" W, perpendicular to said centerline, 150 feet to the westerly right-of-way line of said Railroad; thence N 29°47'18" W, along said westerly right-of-way line, 20.00 feet; thence N 60°12'42" E, perpendicular to said centerline, 150 feet to the westerly boundary of said lands conveyed to the town of Branford; thence run S 29°47'18" E, along said westerly boundary, being parallel with said centerline, a distance of 20.00 feet to the Point of Beginning.

BEING more particularly shown on sketch dated July 10, 1995, prepared by Robert M. Jones, Professional Land Surveyor No. 4201, Regional Engineers, Planners and Surveyors, Inc. 817 North Garland Avenue, Orlando, Florida 32801, attached hereto as Exhibit D-1.

FL#9508018176 B 546 P 35
REC NO. 15233006495

NO. 4101 NEW LEASE 4772
EXHIBIT A
PAGE 24 OF 25

FL#9508018176 B 546 P 36
 REC NO. 15233006495

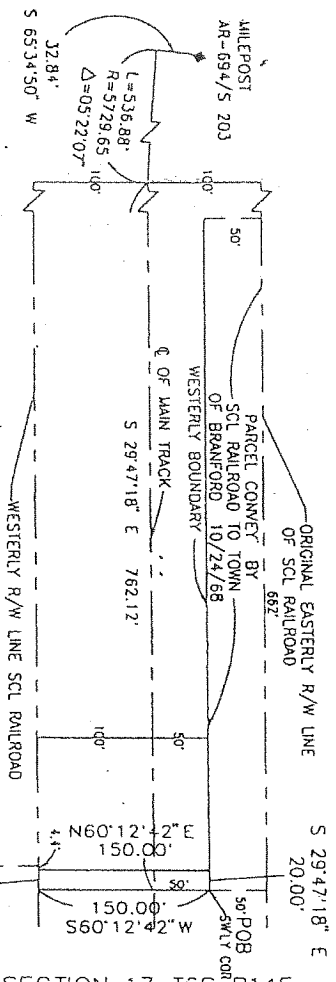


EXHIBIT D-1

REFER TO SHEET 1 OF 2 FOR LEGAL DESCRIPTION

NOTE: SCL RAILROAD CO. IS NOW CSX TRANSPORTATION, INC.
 THIS IS NOT A SURVEY
 PREPARED FOR:
CSX TRANSPORTATION, INC.

REV	DATE	DESCRIPTION

REPS

REGISTERED ENGINEERS, PLANNERS AND SURVEYORS, INC.
 210 NORTH CAROLINA AVENUE
 TAMPA, FLORIDA 33601 813/281-1352

JOB NO. 94-695
 DRAWN BY: S.P.S.
 CHECKED BY: R.N.J.
 DATE: 7/10/85
 SCALE: 1"=120'
 SHEET 2 OF 2

NO. 4101 NEWLEASE 4772
 EXHIBIT A
 PAGE 25 OF 25

APPENDIX C

A Greenway Vision for the Suwannee River Valley

**A
GREENWAY
VISION FOR THE
SUWANNEE RIVER VALLEY**

A LINKAGE TO THE PAST AND PATHWAY TO THE FUTURE

Prepared for
The Suwannee River Water Management District

By
Development Advisory Services, Inc.

October 1995

FOREWORD

“Greenways are about connections: connections between people and the land, between public parks, natural areas, historic sites and other open spaces, between conservation and economic development, and between environmental protection and our quality of life.”

(GREENWAYS A Guide to Planning, Design, and Development, Flink and Seams, Island Press, Washington, D.C., 1993.)



SANTA FE RIVER WEST OF US 129

TABLE OF CONTENTS

FOREWORD

I. INTRODUCTION & PURPOSE 1

II. BACKGROUND 2

III. METHODOLOGY 4

IV. VISION STATEMENT 5

V. VISION MAP 6

 1. SUWANNEE RIVER CORRIDOR 6

 2. PRIMARY LINKAGE NETWORK 7

 3. ACTIVITY CENTERS 7

 4. SECONDARY LINKAGE NETWORK 8

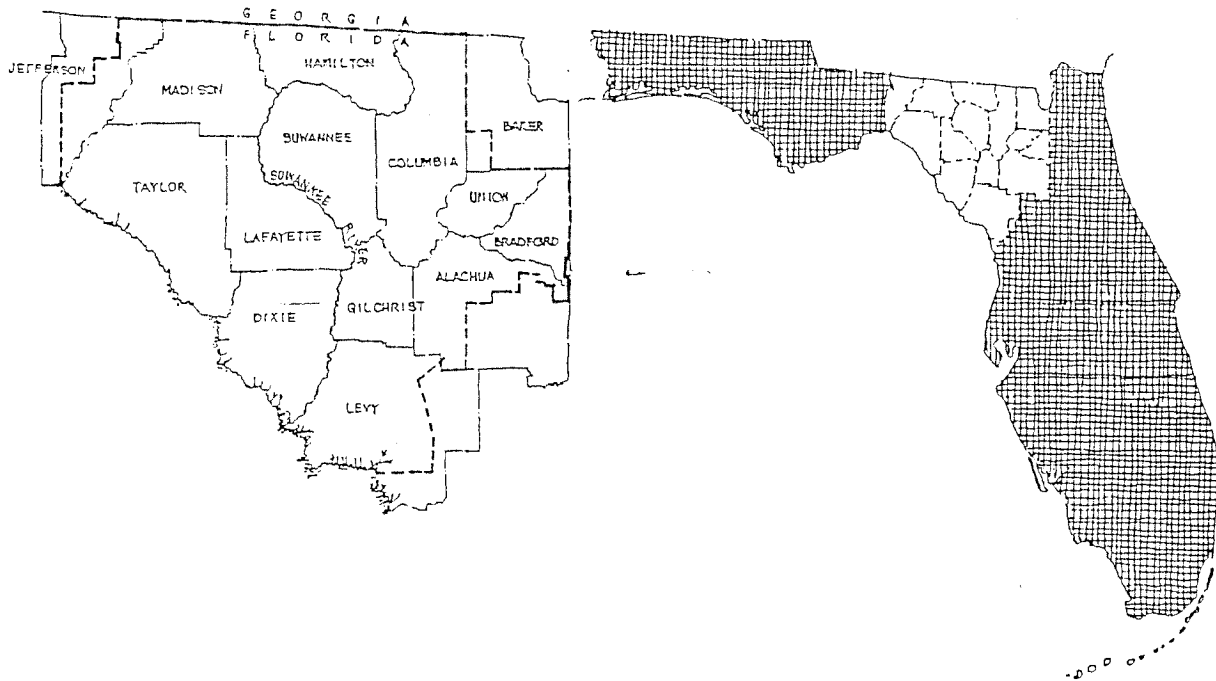
 5. WATERWAYS 8

VI. SUMMARY &
 RECOMMENDATIONS 9

VII. LIST OF LOCAL CONTACTS . 10

LOCATION

The Suwannee River Water Management District (Suwannee River Valley) includes fifteen counties in north central Florida.

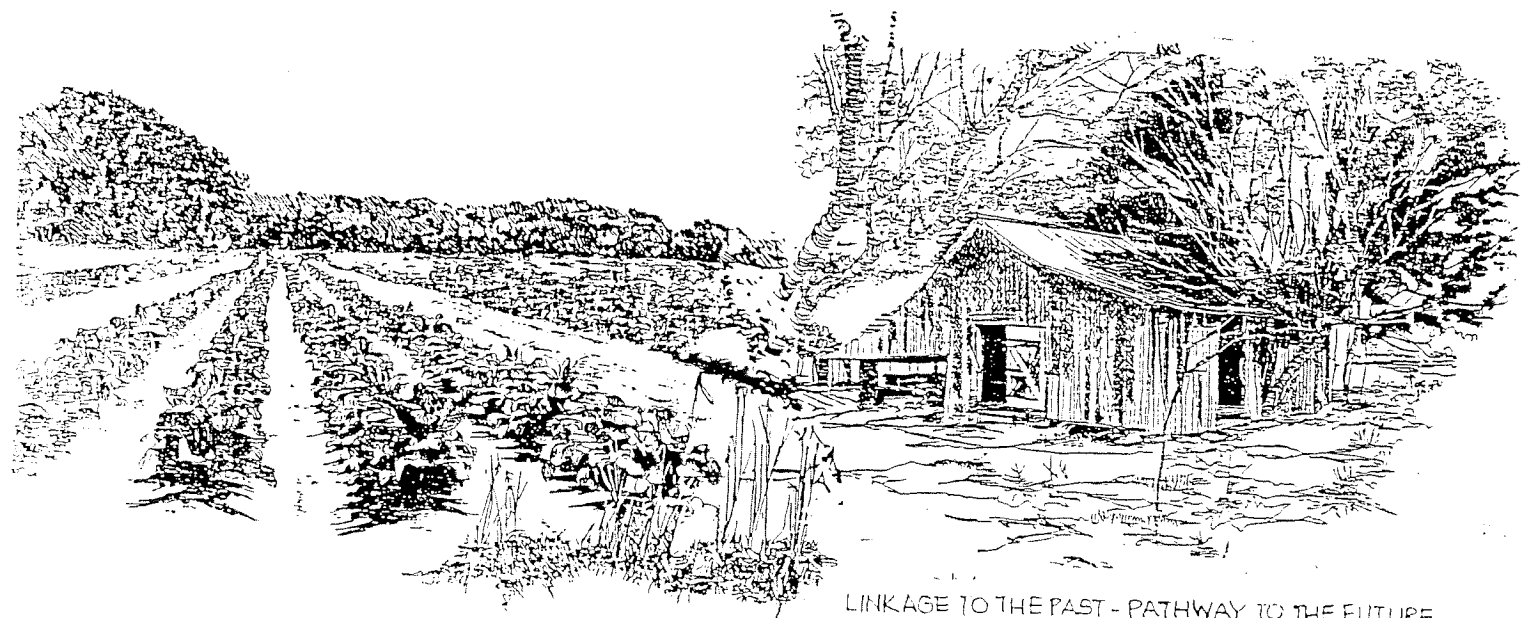


In the Suwannee River Valley, greenways can link public lands along the Suwannee, Santa Fe, Withlatchoochee, Steinhatchee, Alapaha, and Aucilla rivers. They can create opportunities for recreational trails that connect communities such as Perry, Cross City, Fanning Springs, Trenton and Chiefland (Dixie - Levy Greenway). They can stimulate eco-tourism and provide the means to access and enjoy our outdoor resources.

Greenways contribute to the enhancement of the quality of our lives through the provision of new recreational facilities, conservation of environmental resources, preservation of historic sites, economic stimulation, land use identity, alternative transportation opportunities and a new assessment of the relationship to our environment.

The Suwannee River Water Management District has taken the first step towards achieving these benefits by exploring the greenway visioning process.

A Greenway Vision for the Suwannee River Valley presents an image and a goal for public discussion. It also establishes preliminary linkages with citizens and local governments and the landscape. And, in so doing, it defines a linkage to the past, which, as a result of potential benefits, may also be a pathway to the future.



LINKAGE TO THE PAST - PATHWAY TO THE FUTURE

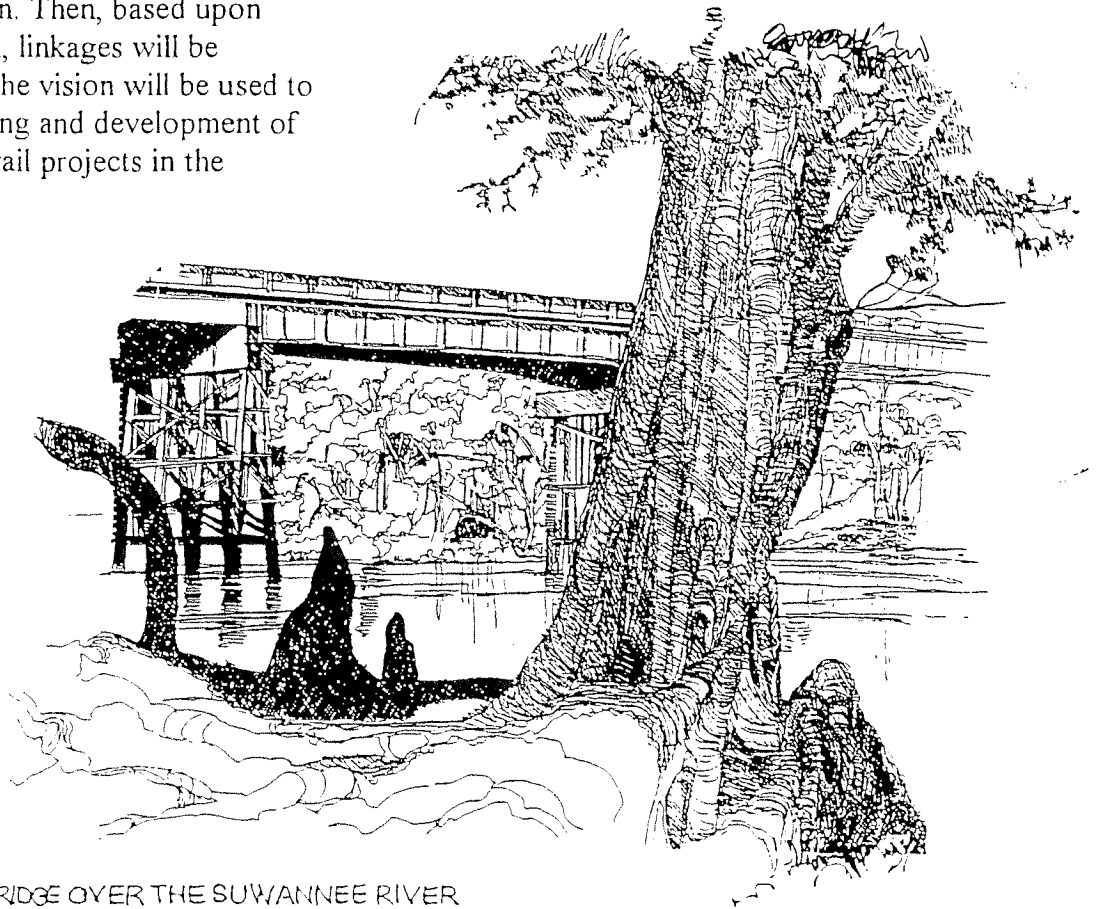
A GREENWAY VISION FOR THE SUWANNEE RIVER VALLEY

I. INTRODUCTION & PURPOSE

The Greenway Vision or goal is to create a system of protected, interconnected, open spaces that are managed for conservation, recreation and the enhancement of the quality of life in the Suwannee River Valley.

THE PURPOSE of this report is to articulate this vision and present it for public discussion. Then, based upon citizen feedback, linkages will be prioritized and the vision will be used to guide the planning and development of greenway and trail projects in the

District. More specifically the vision will aid coordination between local and state-wide planning efforts and stimulate public awareness of the benefits and importance of a green infrastructure to the sustainable future of Florida.



ROCK BLUFF BRIDGE OVER THE SUWANNEE RIVER

II. BACKGROUND

In 1983, the Suwannee River Water Management District embarked upon a land acquisition program under the Save Our Rivers legislation.

Section 373.59 (10) specified that lands acquired for these purposes "shall also be used for general public recreational purposes. General public recreational purposes shall include, but not be limited to, fishing, hunting, horseback riding, swimming, camping, hiking, canoeing, boating, diving, birding, sailing, jogging and other related outdoor activities to the maximum extent possible considering the environmental sensitivity and suitability of those lands."

In 1990, the Florida legislature initiated the Preservation 2000 program which provided an additional funding mechanism to accelerate acquisition under Save Our Rivers.

Under these programs, 58,000 acres have been acquired for the purpose of protecting and preserving the rivers, wetlands, floodplains, ecosystems, freshwater springs and recharge areas of the District.



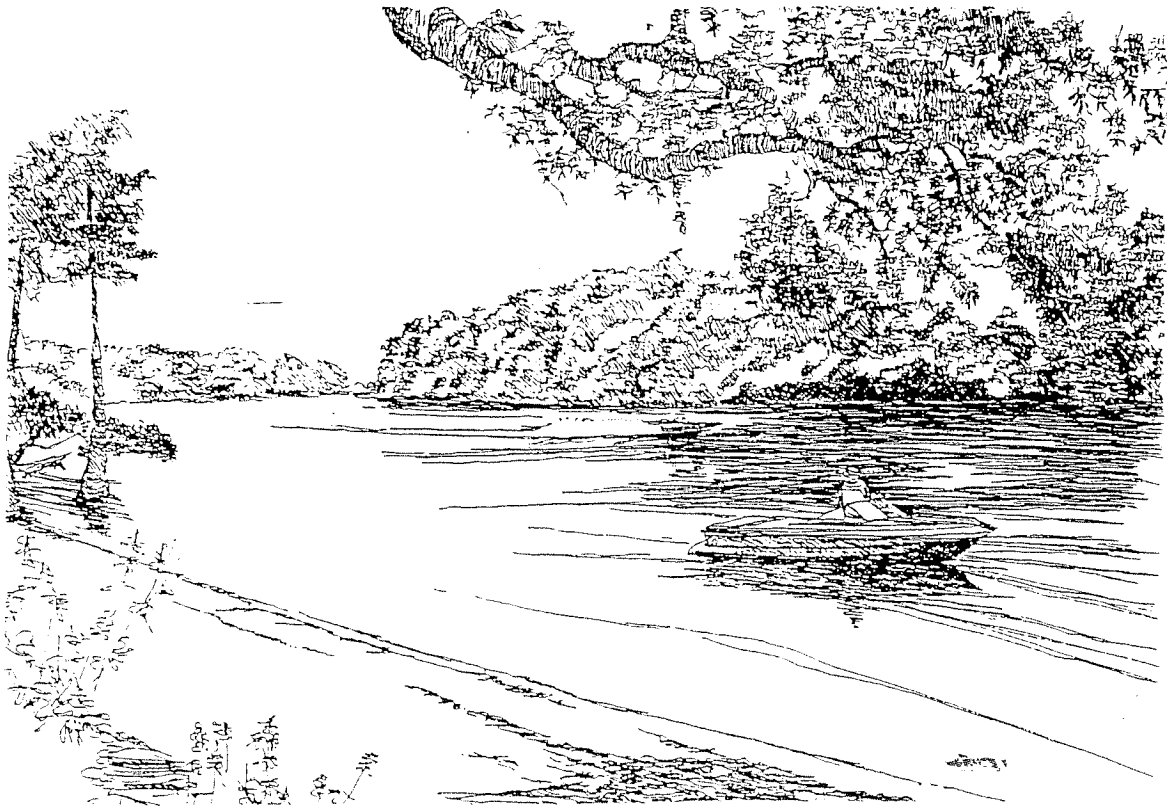
In 1993, Governor Lawton Chiles created the Florida Greenways Commission to bring together people from all over the state to develop a coordinated approach for the protection, enhancement and management of a statewide system of greenways. This Commission issued its report in December 1994, recommending the:

- Creation of an Institutional Framework for Greenways
- Creation and Management of Community Greenways
- Conservation of Native Ecosystems and Landscapes
- Conservation of Urban Open Spaces, Working Landscapes, Historical sites and Cultural Resources
- Access to Florida's System of Greenways
- Education and Involvement of the Public
- Funding of Florida's Statewide Greenways System

In the last several years, separate from these regional and state-wide efforts, citizen advocacy groups within the District, have organized to develop greenway projects in their communities. These projects, stimulated by the state's Rail-to-Trails program and ISTEA funding are multi-use trails that have exciting connectivity opportunities, but have been proceeding independently of each other.

In 1995, the District recognized an opportunity to advance the state-wide greenway initiative and greatly expand the public benefits from these projects if they could be linked together and connected with District lands.

In July of this year, the District embarked upon a greenway visioning program which has resulted in **The Greenway Vision for the Suwannee River Valley.**



III. METHODOLOGY

The greenway vision includes a conceptualize map of greenway opportunities and linkages within the District - linkages with communities, to the landscape and between local, regional, state and federal agencies.

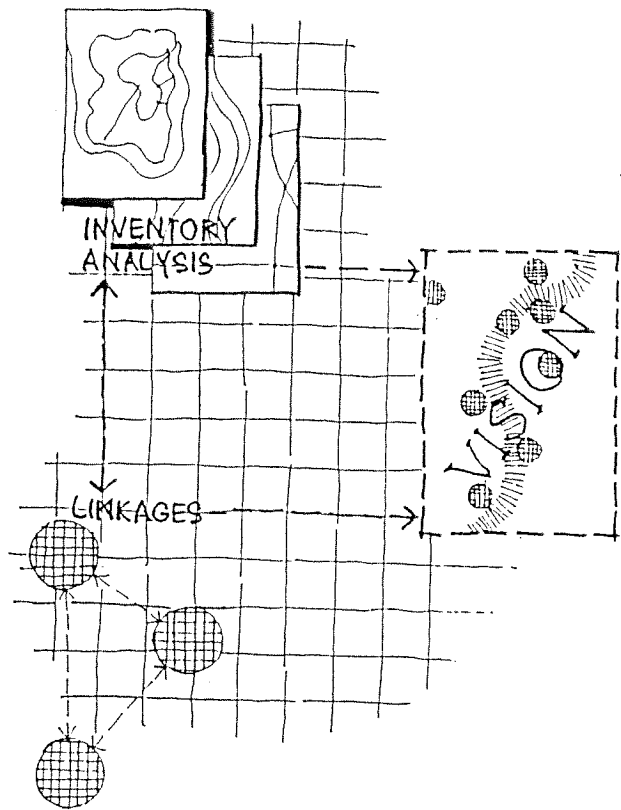
The mapping methodology consisted of an analysis of District and state maps, and site visits to those sites that appeared to have a special relevancy to the vision. Linkages were established by contacting citizen advocacy groups and local governments to discuss their interest and acquire information about potential greenway projects. A complete list of the contacts is presented in Section VII.

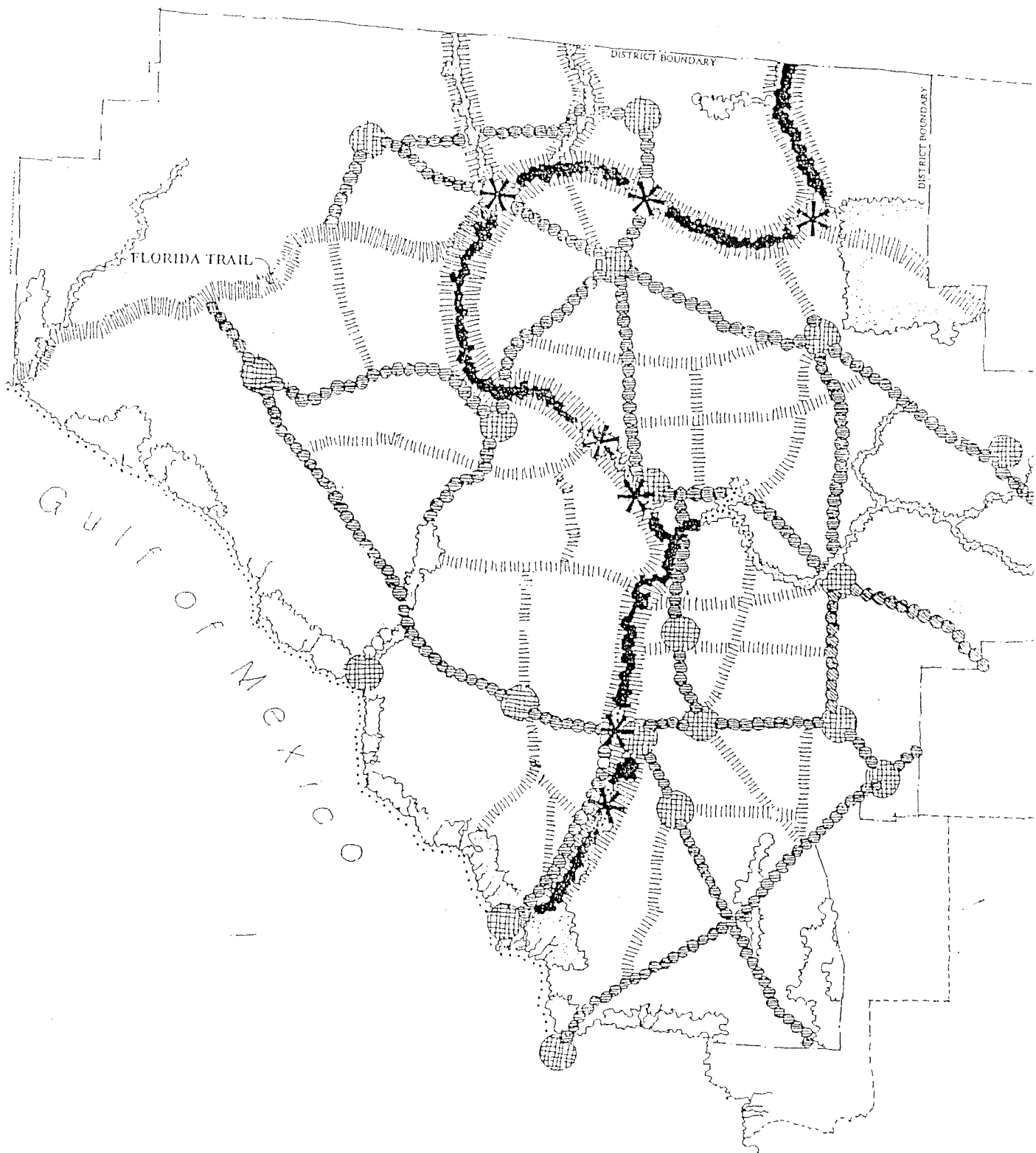
The maps analyzed public lands, utility corridors, topography, land coverage, recharge areas, rivers, streams, wetlands, flora and fauna. Historic sites were noted for future investigation at the project level. Private campgrounds, land owners and outfitters that may have an interest in greenways were contacted and linkage opportunities were identified.

On September 12, 1995, the District hosted a workshop to present the vision and create a public forum for discussion about greenways. Forty-eight (48) persons signed the registration list, approximately sixty (60) people attended. Attendees represented citizens, local business and service organizations, city governments, private land owners, campgrounds and outfitters, Office of Greenways and Trails, Department of Transportation, Florida Trail Association, Suwannee Bicycle Association, Florida Power Corporation

and private businesses representing ownership of several hundred thousand acres of land in the District.

The Greenway Vision presented on the following pages evolved from a process of determining fitness to the landscape, conservation of resources and optimization of the potential benefits and contributions to the quality of life in the Suwannee River Valley.





IV. VISION STATEMENT






RECOGNIZING the potential environmental, recreation, historic, economic, land use and transportation benefits that may be derived from greenways;

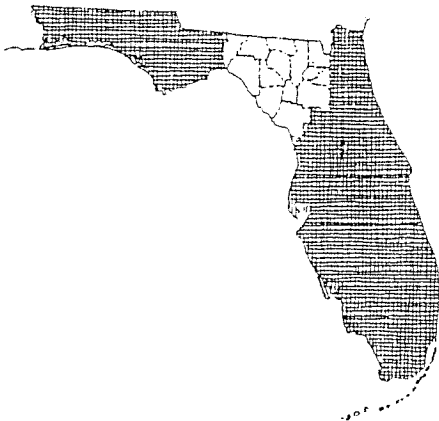
and;

RECOGNIZING that greenways beautify the landscape, improve community appearance, provide historic and cultural enrichment, enhance eco-tourism opportunities, provide facilities for health, fitness and the enjoyment of outdoor resources, all of which contribute to the improvement of the quality of our lives;

IT IS THE VISION of the Suwannee River Water Management District:

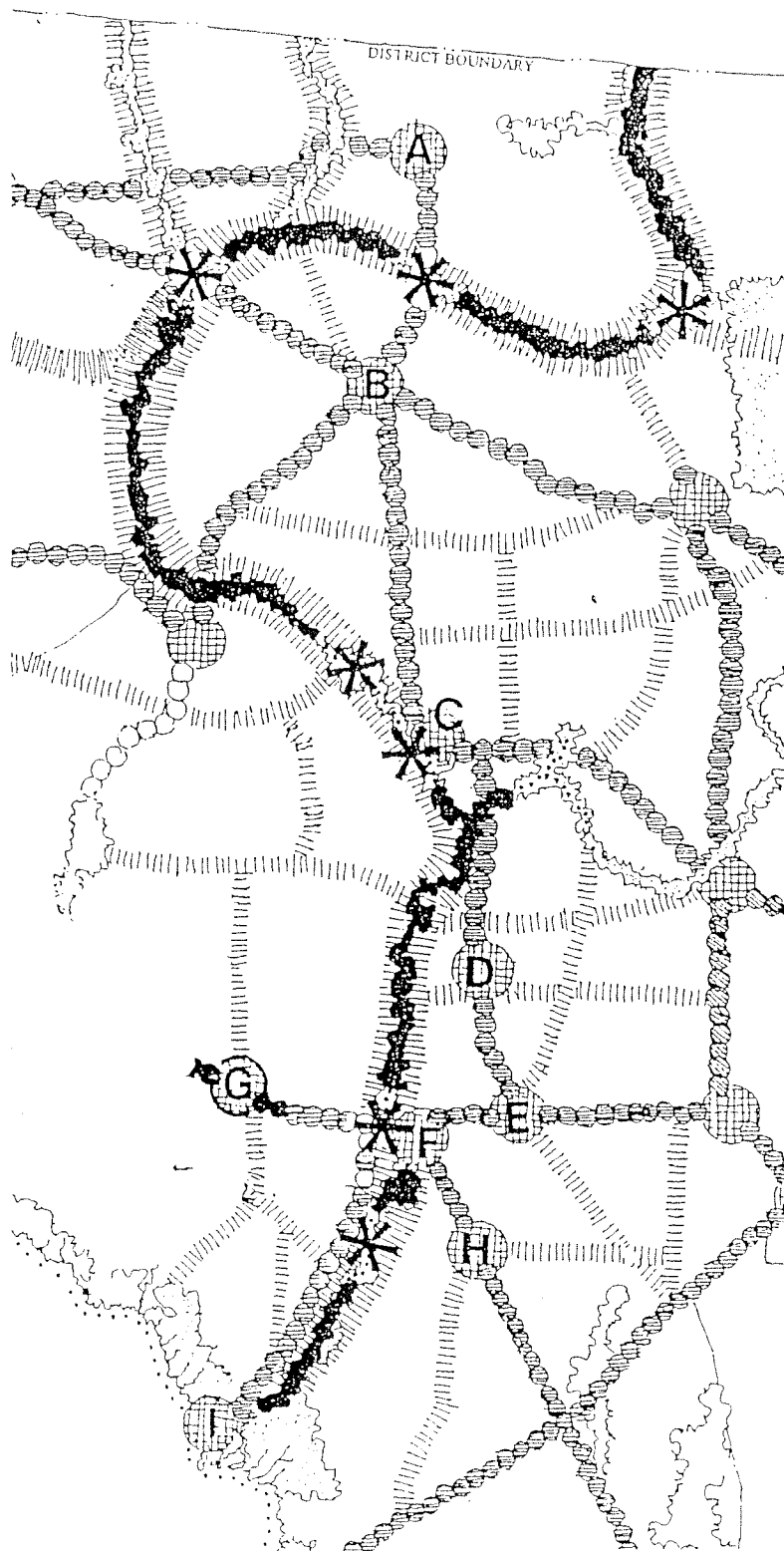
TO CREATE A SYSTEM OF INTERCONNECTED GREENWAYS THAT LINK COMMUNITIES AND PROTECTED OPEN SPACES; PROVIDE CORRIDORS FOR RECREATION, WILDLIFE, MULTI-USE TRAILS; SUPPORT ECO-TOURISM AND OTHER ECONOMIC OPPORTUNITIES, PROVIDE LAND USE AND TRANSPORTATION BENEFITS; AND, PROTECT AND ENHANCE THE NATURAL, SCENIC, HISTORIC AND CULTURAL RESOURCES IN THE SUWANNEE RIVER VALLEY.

-  SUWANNEE RIVER CORRIDOR
-  PRIMARY LINKAGE NETWORK
-  SECONDARY LINKAGE NETWORK
-  ACTIVITY CENTERS
-  WATERWAYS



SUWANNEE RIVER CORRIDOR

- A. JASPER
- B. LIVE OAK
- C. BRANFORD
- D. BELL
- E. TRENTON
- F. FANNING SPRINGS
- G. CROSS CITY
- H. CHIEFLAND
- I. SUWANNEE



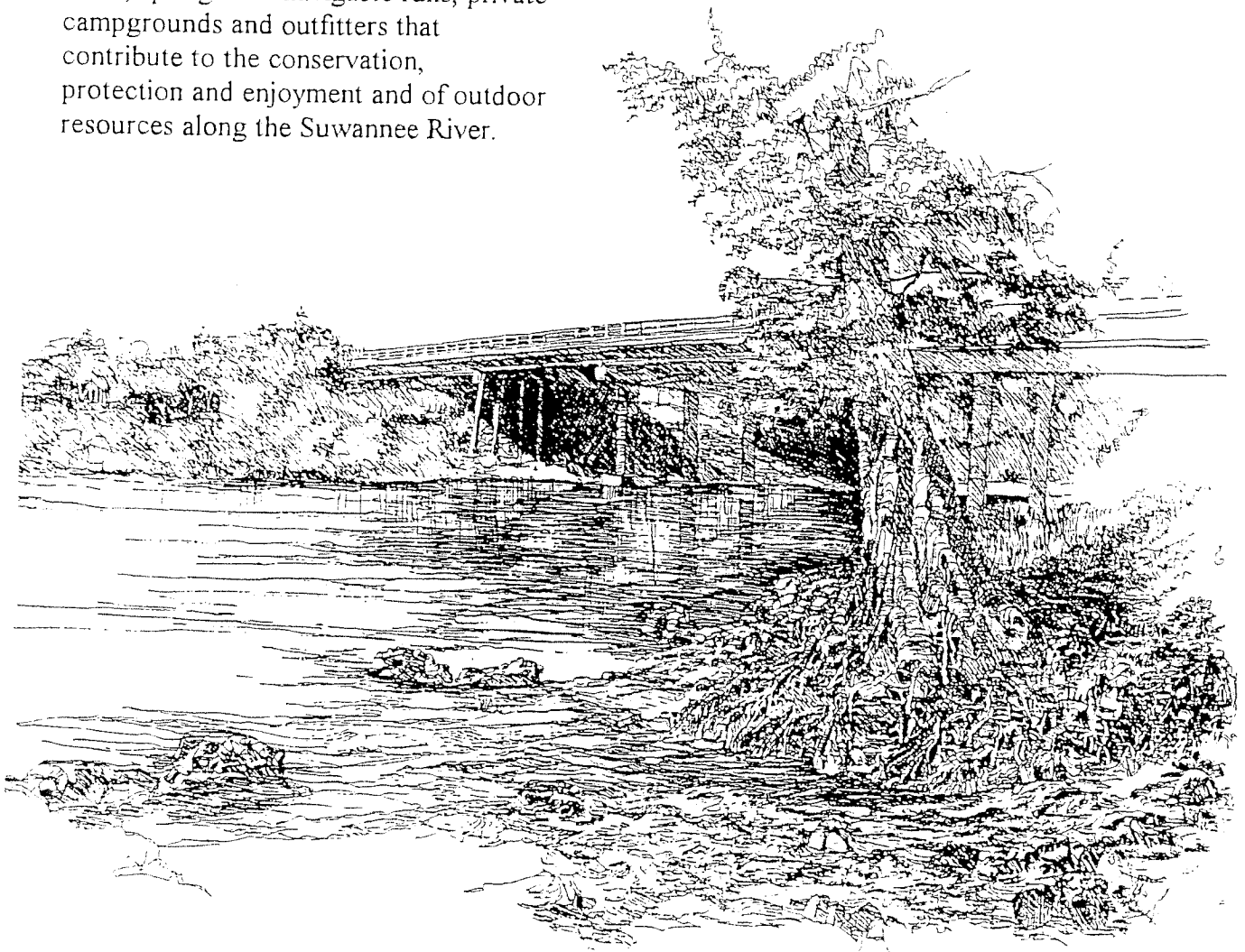
V. VISION MAP

The Greenway Vision for the Suwannee River Valley consists of five parts described below.

The SUWANNEE RIVER CORRIDOR is the central spine of the greenway vision. It consists of the Suwannee River and adjoining tributaries, all protected floodplains, setbacks, adjacent uplands in public ownership including parks and ownership including parks and state/federal forests, wildlife management areas, springs and navigable runs, private campgrounds and outfitters that contribute to the conservation, protection and enjoyment and of outdoor resources along the Suwannee River.

The Corridor is 235 miles long, connecting fifteen counties in north central Florida.

In the vision, the Corridor is designated for recreation, resource protection, preservation and conservation. Sustainability of the ecosystem is the primary design determinant and management directive.



US 27 BRIDGE OVER THE SUWANNEE RIVER

PRIMARY
LINKAGE
NETWORK

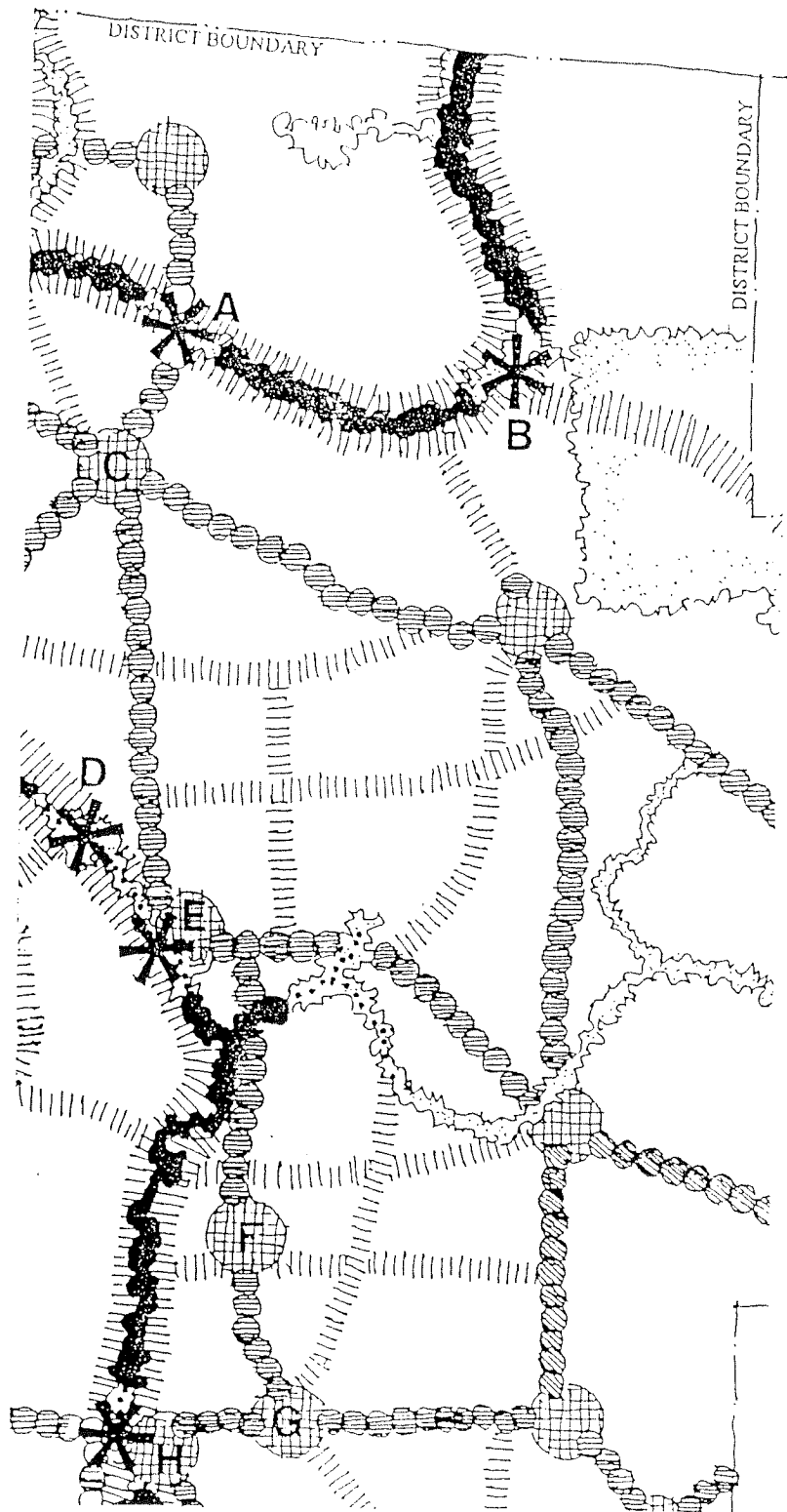
A. SUWANNEE SPRINGS
B. BIG SHOALS

C. LIVE OAK
D. LITTLE RIVER SPRINGS

ACTIVITY
CENTER

SECONDARY
LINKAGE
NETWORK

E. GRANFORD
F. BELL
G. TRENTON
H. FANNING SPRINGS



PRIMARY LINKAGE NETWORK is the system of pedestrian, bicycle, equestrian (and the like) linkages, and non-motorized paths that connect population centers and provide access to designated resources along the Suwannee River Corridor. These include multi-use trails, abandoned railroad corridors, utility corridors, roadways, logging trails and other land connection opportunities.

The primary design and management intent is to link communities, and provide access to the Suwannee River Corridor, public parks, protected forests and other outdoor resources.

ACTIVITY CENTERS occur where the Primary Linkage Network intersects the Suwannee River Corridor and/or at designated resources along the River such as springs, unique geological formations, historical and cultural sites.

Whereas the Suwannee River Corridor is primarily for preservation and conservation of resources with limited, controlled access and use; and, the Primary Linkage Network maximizes recreation, access and connections; Activity Centers require a careful blending of resource protection and public use. Each activity center demands a biological assessment and analysis of carrying capacity in order to determine design intensity limitations. Activity Centers include such sites as Big Shoals, Suwannee Springs, Suwannee River State Park, Little River Springs and Branford, Fanning and Manatee Springs.



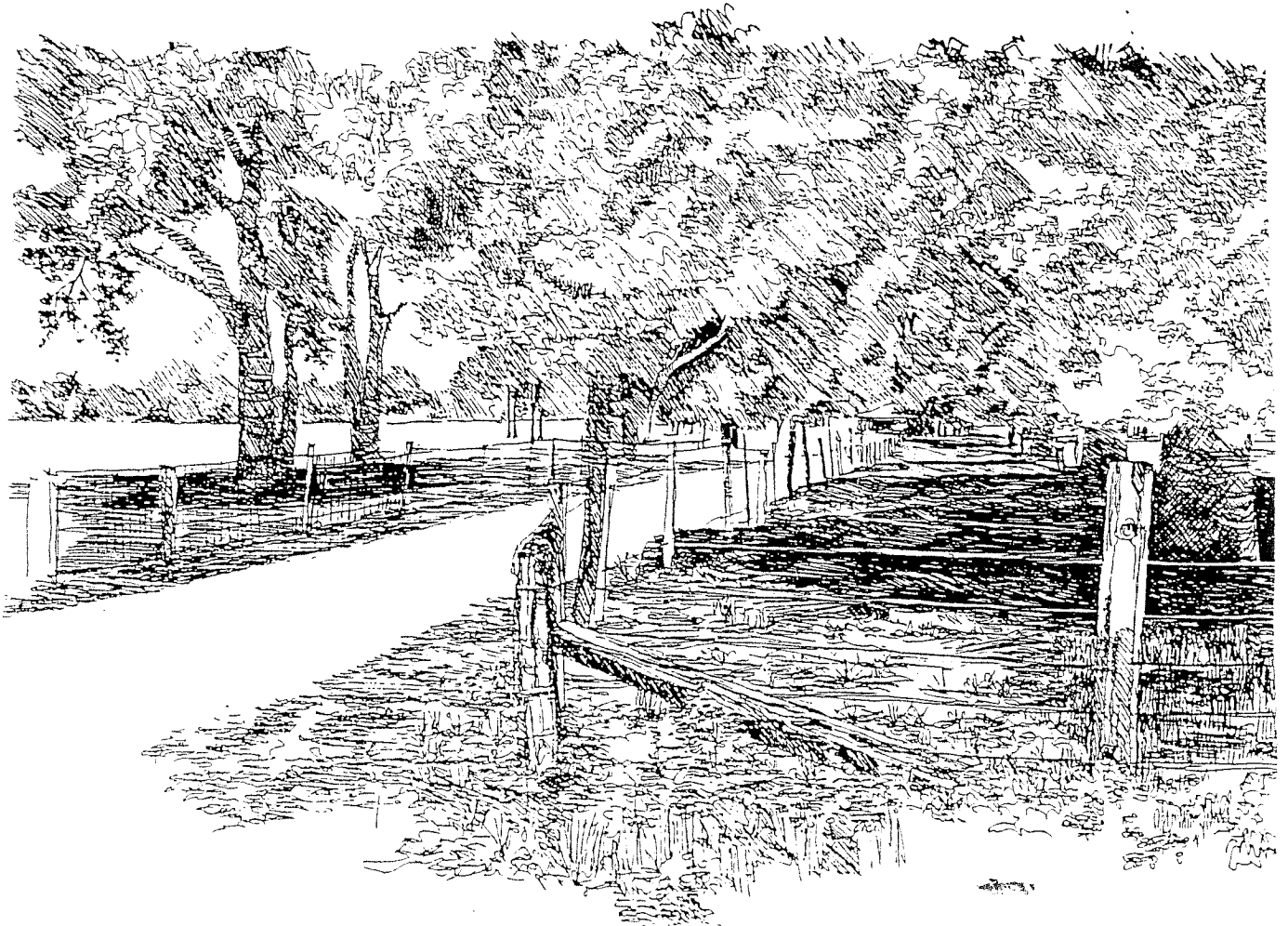
HART SPRINGS

The SECONDARY LINKAGE NETWORK is more a program to protect the working landscape than a system of designated physical linkages. The secondary linkage network encourages protection of and calls attention to the changing agricultural countryside, which by its rural nature is an important open space feature of the greenway network.

The land ownership pattern is also changing, from farmer to investor. The Secondary Linkage Network is a very significant aspect of the greenway vision because of its impact on the general character of the landscape within the District. Physically, the Secondary Linkage Network consists of low traveled graded roads, logging trails, hunting paths and the like.

Programmatically it includes hunting activities, agricultural and scenic easements, and promotes the creation of land and conservation trusts to acquire and protect the agricultural landscape.

WATERWAYS are the water based connectors. These include the rivers, streams that are navigable and allow canoeing, boating, kayaking, scuba diving, snorkeling, tubing, fishing and other water related activities. The Greenway Vision for the Suwannee River Valley, although defined by its components, promotes linkages and connections - connections between communities, with outdoor resources and the landscape and between local, regional, state and federal agencies involved in greenway initiatives.



VI. SUMMARY & RECOMMENDATIONS

To date, the visioning process has revealed and stimulated a high level of local interest in greenway projects, as evidenced by the attendance and response at the September 12, 1995, workshop. And, although initially this interest may have been focused on a specific local project, the connectivity opportunities exposed at the workshop have fostered a more regional outlook. Similarly, subsequent meetings with local greenway committees have indicated an expanding interest in the potential benefits to be derived from the linkage of communities.

The workshop also revealed that the District's role as an advocacy and coordinating agency, as well as its interest to utilize public lands in support of connectivity, enhance local projects, provides credibility and a strong motivational force in pursuing the greenway initiative.

Follow-up telephone conversations with workshop participants reinforced these interpretations.

As a result of these considerations, the Land Acquisition & Management Plan and regional water related responsibilities, the visioning process confirmed that the District is uniquely positioned to pursue the following recommendations:

1. Continue to advocate, coordinate and provide technical assistance in support of the greenway initiative.

2. Adopt a greenway vision and include its implementation into the District work program.
3. Provide technical support to citizen groups and assist in the translation of the vision into local greenway projects.
4. Maintain liaison with the Department of Environmental Protection, Office of Greenways and Trails, (designated lead agency in the state-wide greenway initiative) and continue to promote greenway planning within the District.
5. Sponsor quarterly greenway workshops that facilitate, encourage and support greenway connectivity within the District;
6. Sponsor an annual greenway conference to promote linkages with the St. Johns Water Management District, Northwest Florida Water Management District, Office of Greenways and Trails and other public and private agencies involved in greenway initiatives within and adjoining the District.
7. Investigate, and if deemed appropriate, add "greenway connectivity" to its land acquisition strategy.

VII. LIST OF LOCAL CONTACTS

(* Participant at 9/12/95 Workshop)

List of Local Greenway Projects that were active prior to Visioning

Bell Linear Park*
Dixie - Levy Greenway*
Gilchrist Greenway
Suwannee River Greenway at Branford*
Suwannee River Greenway at Live Oak*

List of Contacts and Preliminary Linkages Resulting from Visioning

Telephone Contacts

6/7/95 University of Florida* Geoplan
6/13 Suwannee River Chamber of Commerce*
7/19 Suwannee County Chamber of Commerce*, Spirit of the Suwannee Campground*, Gilchrist Timber Company*
7/21 City of Live Oak*, Lake City Tourism Development Council*
7/28 Perry Mainstreet*, Chiefland Chamber of Commerce*
8/1 North Florida Regional Planning Council
8/3 North Florida Tourism Task Force*, Steinhatchee, Suwannee
8/8 City of Chiefland*
8/10 City of Jasper*, High Springs*
8/15 Madison Chamber of Commerce
8/22 Mayo Kawanis
8/23 Friends of Archer*

Fl Division of Forestry
USDA Forestry Service
Oxychem*
1000 Friends
Office of Greenways and Trails*
Rayonier Inc.*
Town of Newberry
Town of Lake Butler
Suwannee Bicycle Association*
Department of Transportation*

APPENDIX D
FLORIDA NATURAL AREAS INVENTORY (FNAI)

FLORIDA NATURAL AREAS INVENTORY

1018 Thomasville Road, Suite 200-C · Tallahassee, Florida 32303 · (904) 224-8207

22 December 1997

Marsha Messersmith
Office of Greenways and Trails
325 John Knox Road, Building 500
Tallahassee Florida 32303

RECEIVED

DEC 22 1997

RE: **Suwannee River Greenway at Branford**

OFFICE OF
GREENWAYS MANAGEMENT

Dear Ms. Messersmith,

This letter is in reference to your request for information from the Florida Natural Areas Inventory (FNAI). You requested data required for inclusion in the management plan for the Suwannee River Greenway at Branford.

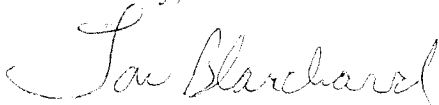
The results from a search of our maps and databases are summarized in this letter. There is only one element on the property described for which we have a record.

***Ambystoma tigrinum*, Tiger Salamander.** Element # AAAAA01140*011. It was found on the west side of the Atlantic Coast Line Railroad tracks, 0.4 miles north of Branford, which places it on the Greenway. This information was from a collection and no further information is available on this occurrence.

This seems an unusual location to find a salamander and its discovery was probably associated with travel during the mating season. It is unlikely that good breeding habitat for this amphibian is located on the railroad right-of-way, however, if there are ephemeral ponds located on this property, they can be assumed to be a breeding ground for the tiger salamander and should be protected. If this is so, please address protection of this animal in your management plan.

Inclusion of this letter in your management plan will satisfy that portion of the plan requiring identification of resources in the Florida Natural Areas Inventory. If I can be of further assistance please contact me at 850 224 8207 or jblanchard@FNAI.ORG

Sincerely,



Jon Blanchard,
Managed Areas Biologist/Chief Scientist

H:\MAREAS\DATA\REQS\OGT\COVERLTR.OGT

APPENDIX E
SRWMD Letter



SUWANNEE RIVER WATER MANAGEMENT DISTRICT

RECEIVED

JAN 15 1998

OFFICE OF
GREENWAYS MANAGEMENT

January 9, 1998

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Chairman
Fanning Springs, Florida

M. HOWELL WARING
Vice Chairman
Madison, Florida

SUZANNE COLSON
Secretary/Treasurer
Cedar Key, Florida

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ANN M. CROW
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Monticello, Florida

MACEO HOWELL, JR.
Jennings, Florida

DR. EARL STARNES
Aiachua, Florida

JERRY A. SCARBOROUGH
Executive Director
Live Oak, Florida

DAVID W. FISK
Asst. Executive Director
Gainesville, Florida

Ms. Marsha Messersmith
Office of Greenways and Trails
325 John Knox Road, Building 500
Tallahassee, Florida 32303

Subject: Suwannee River Greenway at Branford

Dear Ms. Messersmith:

The Suwannee River Water Management District (District) is currently involved in the construction of a 10-foot wide asphalt paved trail in Suwannee County located along the Suwannee River in Branford, Florida. During the preliminary phases of the project, and especially during the application of an Environmental Resource Permit from the Department of Environmental Protection (DEP), a review of Threatened and Endangered Species was conducted.

During the inspections, the presence of gopher tortoises were observed, but no tiger salamanders were found or observed. The District hired a consultant to permit and relocate the tortoises along the trail. This activity was completed on January 3, 1998. There are no ponds or wetlands located within the right-of-way of the trail, and the soils consist primarily of sandy to sandy loam soils.

If we can be of assistance or you wish to discuss this matter, please call me at 800/226-1066.

Sincerely,

David Still, P.E.
Director, Resource Management

DS/lp

APPENDIX F

Application for On-Site Mitigation for Gopher Tortoises
Along A Section of the Branford Greenway

Permit

Report on Tortoise Relocation Efforts

Letter from OGT Accepting SRWMD as Lead Agency to
Implement Tortoise Management Plan

APPLICATION FOR ON SITE MITIGATION FOR GOPHER TORTOISES
ALONG A SECTION OF THE BRANFORD GREENWAY
December 1, 1997

Proposal Summary

The Suwannee River Water Management District (SRWMD) is proposing to establish an on-site gopher tortoise mitigation area along portions of the Branford Greenway (Attachment 1) to sustain the resident population of gopher tortoises, *Gopherus polyphemus*. Based on preliminary surveys done by SRWMD biologists, tortoises are found only along an approximately 1.5 mile stretch of the project corridor (abandoned railway right-of-way). This stretch sustains a population of approximately 101 tortoises. The majority of the tortoises in this area are restricted to the railroad right of way or just beyond where there are pasture or old fields next to the corridor. The primary reason for this distribution is that this area has remained open habitat due to mowing and tree management while surrounding areas have become woodland in nature. The slope and elevation above ground level provided by the rail bed is quite an attraction for tortoises digging burrows. For this reason, approximately 20-31 tortoise burrows will be directly impacted by paving the old rail bed for the Greenway Trail. In one areas, as many as 8 tortoises will lose significant foraging area when this upper surface is covered. Approximately 13% of the total available gopher tortoise foraging area will be lost due to paving or associated use and disturbance.

The proposal is to take burrows and remove tortoises within areas that would or could be impacted by the work required (Attachment 1). The proposed "take" area is defined as the top surface of the abandoned rail bed plus the upper three feet of the rail bed embankment. These tortoises will be moved to secondary burrows within their probable home range. However, in the approximately 0.25 mile segment which lies to the east of 79th Road, the habitat directly off the slope and bed of the railway has very little forage and habitat left due to woodland encroachment. In this area, 7 tortoises will be moved across 79th Road to areas that provide better forage and burrow sites. The relocated tortoises will be released in abandoned or uninhabited inactive burrows.

There are approximately 11.9 acres of potentially excellent to good tortoise forage habitat consisting of old field, unimproved pasture, wooded rangeland, and fill areas covered by native and non-native grass, native and exotic herbaceous species and open treed habitat along the 1.25 miles of habitat (or 43% of total) which currently sustains a population of gopher tortoises (Map 1). This habitat is currently declining due to the lack of mowing and tree management. Of these 11.9 acres, approximately 8.38 acres will remain as suitable forage habitat following the development of the Greenway project. It is proposed that 7.9 acres be perpetually managed in a way that would enhance them for tortoise forage and cover as well as a diversity of other wildlife found in the area.

Florida Department of Environmental protection (FDEP) owns the railway corridor and has leased it to Suwannee County. The County will be responsible for on-going maintenance, including mowing of this Branford Greenway project. This proposal is to establish a management plan that will accomplish the goals of sustaining the resident population of tortoises in a habitat which is of better quality than that which currently exists while undertaking this management within the limited budget of Suwannee County. The management proposed in this application, if accepted will be made part of the management plan called for in the Project Plan (Attachment 1).

This proposal provides a plan for managing construction activities to help insure that the work will be done with little or no direct take or impact to tortoises along the corridor. This will be done through a conservation clause in all primary and subcontractors contracts which makes them directly responsible for impacts, a simple employee education program about tortoises and burrows, and a burrow marking and staking system. Access to the corridor and the rail bed will be restricted to the existing roadways.

Following construction, a public education program will be put into place consisting of signage along the Greenway. The tortoises are close to housing (approximately 100 yards in some cases). A brief discussion with residents, indicated that the tortoises are not interfered with currently, despite the fact that burrows are in the open and tortoises are frequently seen on the rail bed. It has been shown in numerous studies on signage and protection that in nearly all cases, people feel that the animals should be there as part of the experience and that people are less likely to interfere with them in this setting than if they had come across the same animals incidentally. Therefore it is recommended that the Greenway mitigation area be used as an educational opportunity.

APPLICATION FOR ON SITE MITIGATION FOR GOPHER TORTOISES ALONG A SECTION OF THE BRANFORD GREENWAY

Name of Project: Suwannee Greenway at Branford (Branford Trail, Phase 1)

Location of Project: The Suwannee Greenway at Branford, Suwannee County, Florida, extends from just east of 79th Blvd. (Cove Road) to 3300 feet south of Little River Springs Road (CR 248). The 1.5 mile take and mitigation site begins at the eastern end of the trail, proceeds west for 0.25 miles, crosses 79th boulevard, and continues west for another 1.25 miles.

Management and Ownership: The Branford Greenway Project is a joint local, regional and state project. The Suwannee River Water Management District (SRWMD) is certified by FDOT as the local agency participator with the ability to expend Inter Surface Transportation Efficiency Act (ISTEA) funds. Also involved in this joint project are the landowner, Florida Department of Transportation (FDOT), Suwannee County and the City of Branford.

Description of Project: The Branford Greenway project is designed to provide recreational activities including walking, hiking, biking and wildlife viewing. The Branford Greenway within the project area will be developed using the abandoned right-of-way of CSX Railway (Attachment 1) The railway bed is approximately 15 feet wide at the top and up to 30 feet wide at the base. The rail bed varies in height from approximately 20 feet above ground level to ground level. The bed has been constructed primarily from large size granite gravel or rock over a soil core. The primary construction activities of the project include surface preparation consisting of placement of a 4" gravel base over which the asphalt paving will be laid. The width of the paved surface will be 10 feet.

Tortoise Burrow and Habitat Surveys

Two burrow surveys were conducted on the project site. The first which took place on October 31, 1997. The purpose of this survey was to determine the number of tortoises that were within the impact area and would have to be removed and located elsewhere on site. Two biologists walked the base of the rail bed searching for burrows on the slope. The area was traversed again by walking along each edge of the top of the bed. This allowed the surveyors two different vantage points to find burrows.

This survey indicated that there were 20 active (showing current tortoise activity), 12 inactive (burrows in good condition but with no signs of recent activity) and approximately 14 abandoned (burrows in disrepair) burrows within the defined take area (construction impact area only). The population using this area is made up primarily of very large adults. However in some areas, small juvenile burrows and two hatchling burrows were located. The potential number of tortoises based on the number of active and inactive burrows located, exceeded the number that which could be taken with an incidental take permit.

A second tortoise survey was conducted on November 17 and 18, 1997 for the entire 100-200 foot corridor that encompasses the Greenway project (see Attachment 1). The purpose of this survey was to estimate the number of tortoises in the area that could potentially be impacted by the project as a result of a reduced foraging area. To expedite mapping of the burrows and habitats, 165 foot transects consisting of two 82.5 foot segments were measured out using a tape laid at the center of the rail bed to measure longitudinal location of the burrows along the corridor. Each segment was surveyed by walking 4 longitudinal transects which covered the area including both sides of the right-of-way corridor. An additional survey was made by walking the edge of 274th Street and checking for burrows along this area.



The vegetative habitats within the 1.5-mile by 100 foot (segments 1-56) or 200 foot (segments 56-88) corridor were mapped and evaluated for gopher tortoise forage potential by Patricia S. Ashton, a botanist who has been doing research on tortoise forage requirements for a number of years.

RESULTS

Burrows and Gopher Tortoise Population

The distribution of tortoise burrows along this corridor is indicated on Project section maps 10, 11, 12, and 13. The density of burrows along most of the corridor was greatest where there was some artificial ledge or rise and where the area was in or immediately next to open grassy or weedy areas. Numbers declined where the mixed hardwood canopy reduced sunlight and forage. However, in wooded areas, a surprising number of active tortoise burrows were found on or near the railway bed, which probably provided a suitable substrate for burrowing while the top of the rail bed provided the only sunlit area available support grasses and herbaceous forage. The paving of the top of this flat rail bed surface will eliminate 13 percent of this forage for the remnant tortoises in these areas.

Results of Tortoise Burrow Counts along Branford Greenway Corridor

Location	Active	Inactive	Abandoned	Estimated Tortoise Population (.614 of active + inactive burrows)	Site Estimate (.5 or two burrows/ tortoise)
Defined take area (area to be paved and top 3' of embankment)	20	12	14	20	16
Rest of Embankment plus 100-200' Corridor	116	64	60	110	90
Total	136	76	74	130*	106*

* Rounded to the nearest whole.

Density of Tortoises in the 27.52 acre area surveyed is estimated at 3.85 to 4.7 tortoises per acre.

Habitat Distribution

Based on the soils and land use indicators, the land use and habitat cover of much of the project area are classified under the Florida Land Use, Cover and Forms Classification System as:

- "disturbed lands - # 744 fill areas",
- "open lands - #191 undeveloped lands within urban areas or # 194 other open lands",
- "agriculture - # 212 unimproved pastures or #261 old-field",
- "rangeland - #310 herbaceous or #320 shrub and brushland"

This study did not measure percent tree cover to allow a true definition of woodland classifications but in general wooded areas were xeric oak, temperate hardwood, mixed hardwoods, or exotics.

The plant species noted in the project area are representative of disturbed old field/pasture and roadside habitats with patches of natural upland vegetation interspersed as well as some mesic and wetland species in restricted areas. Herbs including pasture grass, wire grass, *Solidago* (goldenrod), *Eupatorium* (dog fennel), *Bidens alba* (spanish needles) and *Aster* (aster species)

were the predominate ground cover in the unimpacted area and thus represent future tortoise forage. The herbaceous species such as *Oxalis*, *Chamaesyce* (spurge), a variety of vervains and wild mustards, *Plantago* (plantains), and members of the madder family and pea family are interspersed among the grasses and cut-over blackberry that cover the primary railroad bed. These species include plants known to be specifically selected by gopher tortoises in feeding studies. Shrubby *Rubus* (blackberry) bushes covered in *Smilax* (greenbrier) or *Vitis* (grape) often created an impenetrable shoulder-high thicket and *Albizia* (mimosa) and *Rhus copallinum* (winged sumac) were frequently in the sub-canopy layer. The tree cover is primarily hardwood, with *Prunus* (plum and cherry) and *Quercus* (oak) species predominate in most areas and some areas showed presence of *Juniperus* (cedar), *Pinus* (pine), *Celtis* (hackberry) and *Liquidambar styraciflua* (sweet gum). Occasional *Sabal palmetto* (Sabal palm), *Persea* (Red bay), *Carya* (Hickory), *Ulmus* (Elm), and *Magnolia* (magnolia) were found. The presence of large trees shades the herbaceous ground cover used as primary forage for the tortoises. The presence of sapling trees may not currently inhibit the growth of suitable forage but will in the future if allowed to mature.

Table 2. Distribution of Burrows and Population By Habitat Along Greenway Corridor

Gopher Tortoise and Tortoise Habitat Survey					
Location : Segment # (82.5ft belt transect)	Burrows Active + Inactive	Predominate Vegetative Habitat Type	Estimated Current Acres ¹ GT Forage Habitat	Post Paving – Available GT Forage Habitat – Acres	Potential Managed Forage preserve acres- sides indicated by A, AB or B *Management Recommended
1	0	Grasses, shrubs, mixed hardwoods	.14	.10	.10 AB
2	2	Grasses, shrubs, mixed hardwoods	.14	.10	.10 A
3	2	Grasses, shrubs, mixed hardwoods	.14	.10	.10* A
4	2	Grasses, shrubs, mixed hardwoods	.14	.10	.10* A
5	4	Grasses, shrubs	.24	.20	.20* AB
6	2	Grasses, shrubs, mixed hardwoods, exotics	.24	.20	.20* AB
7	1	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
8	2	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.10* B
9	5	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	0
10	4	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
11	3	Grasses, shrubs, mixed hardwoods	.24	.20	.20* AB
12	4	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
13	0	Grasses, shrubs, mixed hardwoods, exotics	.24	.20	.20* AB
14	2	Grasses, shrubs, mixed hardwoods, exotics	.24	.20	.20* AB

15	3	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
16	4	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
17	4	Vines, shrubs, mixed hardwoods, exotics	.04	0	.20* AB
18	2	Shrubs, mixed hardwoods, exotics	.04	0	.20* AB
19	2	Shrubs, mixed hardwoods, exotics	.04	0	.10* AB
20	4	Shrubs, mixed hardwoods, exotics	.04	0	.10* B
21	5	Shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
22	1	Shrubs, mixed hardwoods, exotics	.14	.10	.10* B
23	3	Grasses, shrubs, mixed hardwoods, exotics	.24	.20	.20* AB
24	2	Shrubs, mixed hardwoods, exotics, ferns	.14	.10	.10 AB
25	1	Shrubs, mixed hardwoods, exotics, ferns	.14	.10	.10* B
26	2	Shrubs, mixed hardwoods, exotics, ferns	.14	.10	.10* AB
27	4	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
28	3	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.10* B
29	5	Mixed hardwoods, shrubs, exotics, herbaceous	.14	.10	.10* B
30	3	Mixed hardwoods, shrubs, exotics, herbaceous	.24	.20	0
31	2	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10* B
32	4	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.20* AB
33	1	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10* B
34	2	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10* AB
35	4	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10* AB
36	4	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10* A
37	1	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.10* AB
38	3	Grasses, shrubs, mixed hardwoods, exotics	.14	.10	.10* B
39	0	Mixed hardwoods, shrubs, herbaceous, grasses	.10	.06	.10* B
40	4	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10* B
41	1	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10* B

42	3	Grasses, shrubs, mixed hardwoods, exotics	.24	.20	.20*	AB
43	1	Mixed hardwoods, shrubs, herbaceous, grasses	.14	.10	.10*	AB
44	2	Mixed hardwoods, shrubs, herbaceous, grasses	.24	.20	.20*	AB
45	1	Shrubs, grasses, mixed hardwoods, exotics, ferns	.24	.20	.20*	AB
46	2	Shrubs, grasses, mixed hardwoods, exotics, ferns	.14	.10	.10*	B
47	4	Mixed hardwoods, shrubs, herbaceous, grasses, ferns	.14	.10	.10*	B
48	3	Mixed hardwoods, shrubs, herbaceous, grasses, ferns	.10	.06	.10*	B
49	2	Mixed hardwoods, shrubs, herbaceous, grasses, ferns	.04	0	.10*	B
50	4	Mixed hardwoods, shrubs, herbaceous, grasses, ferns	.14	.10	.20*	AB
51	4	Grasses, shrubs, mixed hardwoods, ferns	.24	.20	.20*	AB
52	2	Grasses, shrubs, mixed hardwoods, ferns	.24	.20	.20*	AB
53	2	Shrubs, grasses, mixed hardwoods, ferns, exotics	.14	.10	.20*	AB
54	4	Shrubs, grasses, mixed hardwoods, ferns, exotics	.14	.10	.20*	AB
55	4	Shrubs, mixed hardwoods, herbaceous, grasses, ferns, vines	.14	.10	.10*	B
56	2	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, exotics	.10	.06	.10	B
57	3	Mixed hardwoods, shrubs, herbaceous, grasses, ferns	.14	.10	.10	AB
58	2	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.04	0	0	
59	5	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10	AB
60	1	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10	AB
61	1	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10	AB
62	4	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10	AB
63	1	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10	AB
64	2	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10	AB
65	3	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10*	B

66	4	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10* B
67	3	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.24	.20	.20* B
68	6	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.24	.20	.20* B
69	1	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	.10 AB
70	0	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.14	.10	0
71	1	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.24	.20	0
72	4	Mixed hardwoods, shrubs, herbaceous, grasses, ferns, vines	.24	.20	0
73	3	Mixed hardwoods, shrubs, grasses- shaded	.24	.20	0
74	3	Mixed hardwood, cedar, Sabal palmetto	.14	.10	0
75	2	Mixed hardwoods, shrubs - shaded	.04	0	0
76	0	Mixed hardwood, cedar, Sabal palmetto	.04	0	0
77	0	Mixed hardwoods, shrubs - shaded	.04	0	0
78	0	Mixed hardwoods, shrubs - shaded	.04	0	0
79	1	Mixed hardwoods, shrubs, exotics - shaded	.04	0	0
80	0	Mixed hardwoods, shrubs, exotics - shaded	.04	0	0
81	2	Mixed hardwoods - shaded w/ leaf litter	.04	0	0
82	4	Mixed hardwoods - shaded w/ leaf litter	.04	0	0
83	1	Mixed hardwoods - shaded w/ leaf litter	.04	0	0
84	3	Mixed hardwoods - shaded w/ leaf litter	.04	0	0
85	3	Mixed hardwoods - shaded w/ leaf litter	.04	0	0
86	1	Mixed hardwoods - shaded w/ leaf litter small open grassy area	.04	0	0
87	2	Mixed hardwoods - shaded w/ leaf litter small open grassy area	.04	0	0
88	3	Mixed hardwoods - shaded w/ leaf litter small open grassy area	.04	0	0
TOTALS	212		11.90 acres	8.38 Acres	9.2 acres/*7.8acres

1. Acreage Estimations: Segments are 1/2 of the sections 50 feet by 165 feet = 8250 sq. feet = .19acre. Thus a segment is approximately .1 acre through segment # 56.
 Segments are 1/2 of the sections 100 feet by 165 feet = 16500 sq. feet or .38 acre beginning at segment 56. Thus these segments = .38 acre/2 =approximately .2 acre. Segments are designated as "A" on the south/west side of the railway bed or "B" for the north/east side. Railway bed per segment = 165 feet X 20 feet = 3300 sq. feet = .075 acre/2 =.04 acre. Almost all of the bed itself is serving as suitable forage area due to light accessibility/lack of canopy. Assumption is that once the surface is paved, this area will not be available for forage due to both surfacing and peripheral use.

SUMMARY OF HABITAT LOSS IMPACTS

Of the total area 27.52 acres surveyed 11.9 acres (43 %) is estimated to be suitable gopher tortoise forage for the estimated 3.85 to 4.7 tortoises per acre. Paving will result in a reduction of approximately 3.52 acres (30%) of available gopher tortoise forage. After paving with the projected use and disturbance from contractors there will still be 8.38 acres (70 %) of potential forage remaining. The quality of this forage area will be dependent upon what management methods are employed once the Greenway is in use. With appropriate preparation and long-term management there are 7.8 acres recommended for intense management to sustain high quality gopher tortoise forage. Therefore compensating for the loss of the 30% currently available forage.

MITIGATION PLAN

Relocation of Tortoises from the Rail Bed

In the defined take area our recommendation is to take all burrows and move tortoises from the top surface and within the upper three feet of the embankment, where the paving activity may impact the burrow. Tortoise burrows that are farther down the slope or where the slope meets ground surface and are not in potential harm from construction or later use of the trails should be left intact. This results in a burrow take of 32 with an estimated tortoise take of 16.

Tortoises which are dug and other protected species and burrow obligates will be relocated to the nearest burrow with a diameter which indicates that the removed tortoise or one of similar size has constructed and used that inactive or relocated burrow. Burrows in unacceptable habitat will not be used for relocation. Tortoises taken from the rail bed in the segment east of 79th Blvd. will be moved across to the segment on the other side of 79th Blvd. to burrows of appropriate size and in good tortoise habitat. This area is within the potential home range of all tortoises along the .25 mile segment. Tortoises may return temporarily to their original location but will ultimately move to areas where forage is available.

Project Planning Review

SRWMD staff have reviewed current site plans as outlined in Attachment 1, and have re-organized to reduce or eliminate impacts to tortoises outside of the defined take area.

Protecting Burrows During Construction

The following procedures will be used to protect tortoises during the construction phase of the Greenway:

Contractor will have a contract which requires all workers on project receive training regarding tortoises and burrows, to insure the safety of all tortoises and burrows on site and to have a stop work clause if any damage is done to a burrow or a tortoise is impacted by work.

A worker's education program will be developed along with a simple one page fact and instruction sheet that can easily be put into a pocket will be developed and all workers' required to participate in the 20 minute training program.

All burrows within 50 feet of heavy machinery will be staked and marked to avoid impacts.



The access points for machinery and equipment and the location of the plans for the Greenway will be existing roadways to minimize impacts to any tortoises or their burrows.

An SRWMD biologist will be on-call and within one half hour away to handle any problems related to tortoises and other protected species while the project is underway.

On Site Tortoise Habitat Rehabilitation and Management Plan

Data collected during the habitat survey indicated that there are currently at least 11.9 acres and following construction should be at least 9.2 acres of potentially good tortoise habitat within the corridor of the project. The habitat as described above is not natural tortoise habitat but highly disturbed habitat which provides possibly a better variety of food species than the native uplands (Ashton and Ashton In press). In such habitats, which are managed to keep brush and overstory controlled, tortoise populations of 10-15 tortoises per acre can be sustained, if the quality of the grass and herbaceous layer is maintained. It is the goal of this plan to sustain tortoise habitat while still meeting other management and economic goals of the project.

Rehabilitation of the Area

The corridor on either side of the rail bed has been used to deposit yard waste and other trash. The area is a mixture of old field and patches of young trees and shrubs, indicative of a highly disturbed habitat. Before the Greenway is opened, the entire corridor will be cleaned of trash. Selective cutting of small (less than 3 inch diameter) trees should take place in certain areas to enhance tortoise wildlife habitat. Some areas that are covered by *Vitis* (wild grape), *Rubus* (blackberry) and other taller shrubby ground cover will be important to provide some refugia for tortoises and other wildlife. The concept of a habitat mosaic should be developed. The idea is to arrest further woody vegetation encroachment, not eliminate all of it.

On Going Monitoring and Management

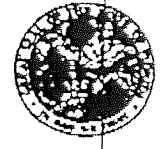
Mowing will be done twice a year, once in summer (mid-summer after blackberry season) and again in late fall after the prime fall flowering season (November to early December in most areas). Winter and Spring mowing are not recommended except where selectively indicated because studies show a distinct feeding pattern by tortoises on late winter and spring herbaceous growth which is particularly high in certain nutrients.

Tree growth will be sustained at about 25 per cent below current levels in many areas. Management of the habitat and the tortoises should be monitored routinely by SFWMD staff or contracted expert consultants. A report will be made to the FGFWFC according to mitigation guidelines.

Public Education

A series of attractive informational signs about Gopher tortoises will be established and maintained at key areas along the Greenway. The signs will present most of the points brought out in the Gopher Tortoise Council brochure on tortoise natural history and from other sources. Informational signs will include:

- Tortoise Natural History including, reproduction, feeding, the unique way they drink, social lives, age and growth.
- Importance as a key stone species in upland habitats, burrow importance, soil turnover and seed dispersal.



FLORIDA GAME AND FRESH WATER FISH COMMISSION

QUINTON L. HEDGEPEATH, DDS
Miami

MRS. GILBERT W. HUMPHREY
Miccosukee

THOMAS B. KIBLER
Lakeland

JULIE K. MORRIS
Sarasota

ALLAN L. EGBERT, Ph.D., Executive Director
VICTOR J. HELLER, Assistant Executive Director

NORTHEAST REGION
LT COLONEL JULIE JONES
Regional Director
Route 7 Box 440
Lake City, FL 32055
(904) 754-0525
WVS

December 12, 1997

Mr. David Still
Suwannee River Water Management District
9225 County Road 49
Live Oak, FL 32060

Dear Mr. Still:

This is in response to your 11 December 1997 letter providing additional information for the Branford Greenway gopher tortoise relocation permit application. I appreciate your rapid response to my request for further information.

As I stated in my 10 December 1997 letter and in our previous telephone conversations, your application cannot be fully evaluated by our staff without a letter from the current property owner or manager acknowledging their acceptance both of this relocation and that the property will need to be managed to maintain habitat suitable for gopher tortoises. Our request for this documentation is based on the Commission's current "Guidelines for Gopher Tortoise Relocations." Your application states that the property is currently being leased by Suwannee County from the Department of Environmental Protection and by that agreement Suwannee County is committed to maintain the property for the next 50 years. To maximize the long-term benefits of this project and comply with tortoise relocation guidelines, it is important to document that Suwannee County, as the current property manager, is (1) aware of and accepts the proposal to relocate tortoises from the Branford Greenway back on-site and (2) is willing to maintain the gopher tortoise habitat for the foreseeable future. A letter from Suwannee County addressing these points needs to accompany your application.

Please understand that regardless of the individual, company, or agency contracted to conduct the actual maintenance activities, it is important to have documentation that the property owner or manager is aware of and is willing to accept gopher tortoise management on the site. I apologize for any misunderstanding in our previous phone conversations concerning this issue; I did not intend to imply that SRWMD management of the gopher tortoise population along the Branford Greenway would not be approved. The concern here is not with SRWMD's commitment or qualifications to manage the greenway tortoise population, but rather, the need to have the current property owner or land manager's commitment to the gopher tortoise management plan outlined in your application even if SRWMD conducts the actual management activities.

Mr. David Still
December 12, 1997
Page 2

If you have any questions or need additional information, please do not hesitate to contact me.
Thank you for your attention to this matter.

Sincerely,



Karen M. Lamonte
Assistant Regional Biologist
Bureau of Wildlife Diversity Conservation

W1077/
WLD 4-3-5
d:\tc\haast\srwmd2.ltr

cc: Dr. Terry Doonan



- Burrow construction and shape, related to hearing, moisture requirements etc.
- Conservation of tortoises including why there is concern about population survival when there seems to be so many
- Watching tortoises on the Greenway. What to do and not do. Try to stay away from the negative approach but still make it clear that these animals are protected.
- A strong conservation message needs to be provided as well.

A minimum of 10 signs will be located along the areas of primary habitat. Some signs should discuss human/tortoise ethics (what to do when you see a tortoise on the path). Signs will be maintained.



Example of treed areas sides A and B which are not suitable for management as gopher tortoise forage.



Ashton, Ashton, & Associates, Inc.

5745 SW 75th St. #252, Gainesville, Florida 32608

Phone/FAX (352) 495-7433/Phone 495-7449 E-mail: [tortfarm2 @ AOL.com](mailto:tortfarm2@aol.com)

**Suwannee County – Branford Greenway November 1997
Gopher Tortoise and Tortoise Habitat Survey for SRWMD**

CONSULTING IN ECOTOURISM/SUSTAINABLE TOURISM DEVELOPMENT, ENVIRONMENTAL AND BIOLOGICAL SCIENCES, ECOLOGY, ENVIRONMENTAL EDUCATION AND STAFF TRAINING



Example of treed areas sides A and B which are not suitable for management as gopher tortoise forage.



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Example of open area (side B-north) recommended for enhancement and management as gopher tortoise forage.



Suwannee County – Branford Greenway November 1997
Gopher Tortoise and Tortoise Habitat Survey for SRWMD

Ashton, Ashton, & Associates, Inc.
5745 SW 75th St. #252, Gainesville, Florida 32608
Phone/FAX (352) 495-7433/Phone 495-7449 E-mail: tortfarm2@aol.com

CONSULTING IN ECOTOURISM/SUSTAINABLE TOURISM DEVELOPMENT, ENVIRONMENTAL AND BIOLOGICAL SCIENCES, ECOLOGY, ENVIRONMENTAL EDUCATION AND STAFF TRAINING

Example types of treed areas on the east side of 79th Blvd. (Cove Road) sites A and B which are not suitable for management as gopher tortoise forage.



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Example of open area (side B- north) recommended for enhancement and management as gopher tortoise forage.



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Gopher Tortoise and Tortoise Habitat Survey for SRWMD**

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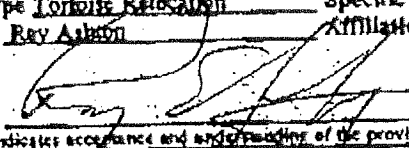
CONSULTING IN ECOTOURISM/SUSTAINABLE TOURISM DEVELOPMENT, ENVIRONMENTAL AND BIOLOGICAL SCIENCES, ECOLOGY, ENVIRONMENTAL EDUCATION AND STAFF TRAINING

PERMIT

Issued Under Authority of the Wildlife Code of the State of Florida
(Chapter 39, Florida Administrative Code) by the

STATE OF FLORIDA GAME AND FRESH WATER FISH COMMISSION

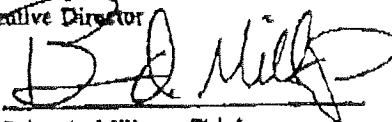
Division of Wildlife, 620 South Meridian Street, Tallahassee, FL 32399-1600, 850/688-3831

Permit No: WR97347 Issuance Date December 29, 1997 Expiration Date 22 March 1998
Permit Type Tortoise Relocation Specific Rule Authority 39-25.002, 39-27.002
Permittee Ray Ashton Affiliation Ashton, Ashton and Associates
2745 SW 75th Street
Gainesville, FL 32608
Signature 
*Signature indicates acceptance and understanding of the provisions/conditions listed below. Please return a signed copy to this office.

Provisions/Conditions:

- Up to 20 gopher tortoises (*Gopherus polyphemus*) may be captured by nonharmful means in association with development of the Branford Greenway Trail (T6S,R14E,S 21 & 22) Suwannee County, relocated to and released on-site. Any gopher tortoise burrow commensals encountered in the capture operation may likewise be live-captured, relocated and released. However, no more than one indigo snake (*Drymarchon corais couperi*), or 10 each of Florida mice (*Peromyscus floridanus*) and gopher frogs (*Rana areolata*) may be relocated. Should additional specimens of those listed species be encountered, the capture operation is to be suspended and this office contacted for instructions. Tortoises may be captured/relocated only on days for which the overnight low temperature is forecast by the U.S. National Weather Service to be above 50°F, and only when such days precede at least two consecutive days thereafter for which overnight lows are likewise forecast to exceed 50°F. Authorizing the capture/relocation is otherwise predicated and conditioned on the information and assurances provided in the permittee's 1 December (supplemented 10, 11, and 16 December 1997) application, the assurances of which are herein incorporated by reference. This permit does not authorize access to any public or private properties. Any required permission accordingly must be secured from the appropriate landholders prior to undertaking any work on such properties.
- Captures/relocations may be undertaken only subsequent to all other permits for the project which may be required by local, state and/or federal agencies being issued. This permit is subject to revocation at any time pursuant to Chapter 120, Florida Statutes. It is nontransferable and must be readily available for inspection at all times while engaging in the permitted activities. Other qualified personnel may assist in the permitted activities, but when any such assistance is to be provided in the absence of the permittee's direct supervision, those assistants are to be designated by letter of authorization from the permittee to each designee, with this office provided a copy of such letter(s).
- A report detailing the capture/relocation is to be submitted to your regional contact person within 30 days of release of the tortoises involved. A report form is attached for use in that regard. Any request for permit renewal or extension should be submitted at least 30 days prior to the expiration date of this permit.

Allan L. Ebert, Ph.D.
Executive Director

By: 

Brian A. Millsap, Chief
Bureau of Wildlife Diversity Conservation
Division of Wildlife

W1067/BAM/atw
LIC 6-20
WR97347, per
Attachments

cc: Colonel Robert Edwards
Mr. Brad Hartman
Lt. Colonel Julie Jones
Major Laurence Rossignol
Mr. Paul Schultz
Dr. Terry Doonan

Post-It® Fax Note	7671	Date	12-27-98	# of pages	3
To	Marsha Messersmith	From	Christine Satter		
Co./Dept.		Co.	SRWMD Ecology		
Phone #		Phone #	(904) 436-2101		
Fax #	(904) 922-1030	Fax #			

5745 SW 75th St. #331
Gainesville, Florida 32608 USA
Phone/Fax 352-465-7433
Tortform2@aol.com



Fax

To: Terry Deonan **From:** Ray Ashton

Fax: 904-758-5799 **Pages:** 2

Phone: **Date:** January 15, 1998

Re: Final Report **CC:** Christine Sutter, SRWMD

- Urgent
- For Review
- Please Comment
- Please Reply
- Please Recycle


• **Comments:** Attached please find the report on tortoise relocation efforts under WR97347. Please note that the standard report form was not provided in either faxed or mailed original permit. If you have any questions, please don't hesitate to call.

FAXED
1/15/98

**Ashton, Ashton &
Associates, Inc.**

6745 NW 75th St. #331
Gainesville, FL 32608
352-333-1233 Phone/Fax
Tortoise@asat.com

January 12, 1998

TO: Terry Doonan, Florida Game and Fresh Water Fish Commission
From: Ray E. Ashton, Jr. 
RE: Relocation Report Under Permit No. WR07347*
Branford Greenway Trail, Suwannee County

Date of Activity: 4 January 1998

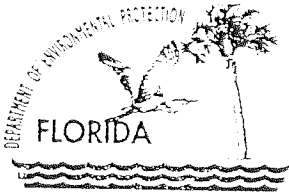
Description of Activity: All tortoise burrows were taken that fell within the 14 foot wide take area as described in the 16 December 1997 application for relocation and in the permit issued December 29, 1997. The take was done on this day because the long range forecast indicated that daily low temperatures were forecasted to be well above the minimum 50 degrees F for at least five days. The permitted take was completed in the project area. Christine Sutter, SRWMD Biologist assisted in the take.

A total of 19 burrows were excavated either by hand shovel or backhoe. Of these 7 appeared to be abandoned, 8 inactive and 4 active.

A total of 6 *Gopherus polyphemus* were excavated. There were 3 females, 2 male and 1 juvenile. All were marked from 1-6 by drilling marginal scutes using the numbering system outlined in FGFWFC guidelines. Specific data collected on each of the released tortoises is on file including measurements and other data. All individuals appeared quite healthy with clear eyes and mouth and nasals with one exception. One animal had a slight amount of clear mucus at the nostrils, not uncommon for winter take animals. Tortoises were released within the Greenway right of way in inactive or abandoned burrows of appropriate size and as close to the taken burrow as possible.

No protected commensals were recovered.

* No report form was attached to the Permit.



Department of Environmental Protection

Lawton Chiles
Governor

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Virginia B. Wetherell
Secretary

December 16, 1997

Jerry A. Scarborough, Executive Director
Suwannee River Water Management District
9225 C.R. 49
Live Oak, Florida 32060

Re: Gopher Tortoise Management Plan (Plan) for the Suwannee River Greenway at
Branford

Dear Mr. Scarborough:

The Office of Greenways and Trails (OGT) is the lessee for this site, under Trustees lease number 4101 (title is vested in the Board of Trustees of the Internal Improvement Trust Fund). Suwannee County subleases this site and is the manager, as identified within the sublease executed between OGT and Suwannee County on June 25, 1996.

As Lessee for the subject property, OGT is aware of the need for gopher tortoise management and agrees to accept the Suwannee River Water Management District as the lead agency to implement the Plan. A copy of the Plan has been forwarded to our office for review. We will coordinate with your staff as necessary to see that best management practices are implemented.

The lead OGT staff for this purpose will be Rick Halvorsen who can be reached at (850) 488-3701.

Sincerely,

Louie L. Wainwright Jr.
Administrator, Field Operations
Office of Greenways and Trails
850-488-3701

cc: Robin White
Jack Maynard
Rick Halvorsen

APPENDIX G

Maps & Soil Interpretation Records



United States
Department of
Agriculture

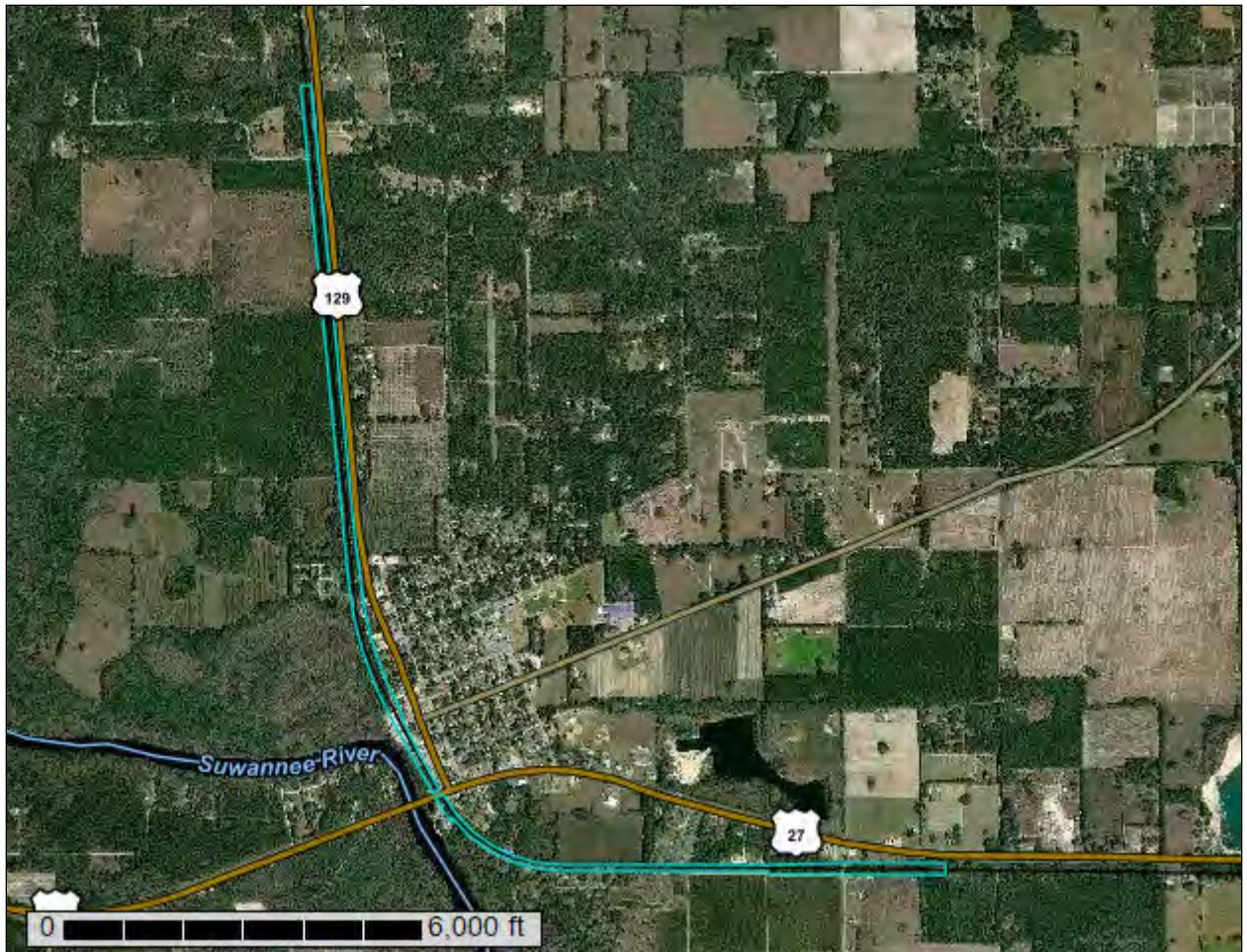
NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Suwannee County, Florida**

Suwannee River Greenway at Branford



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

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Contents

Preface	2
How Soil Surveys Are Made	5
Soil Map	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	11
Map Unit Descriptions.....	11
Suwannee County, Florida.....	14
5—Blanton-Bonneau complex, 0 to 5 percent slopes.....	14
7—Bigbee-Garcon-Meggett complex, occasionally flooded.....	16
11—Bonneau-Blanton-Padlock complex, 0 to 5 percent slopes.....	18
13—Blanton-Alpin-Bonneau complex, 0 to 5 percent slopes.....	21
18—Otela-Chiefland-Ichetucknee complex, 0 to 5 percent slopes.....	24
19—Chiefland fine sand, occasionally flooded.....	27
65—Garcon-Eunola complex, 2 to 5 percent slopes, occasionally flooded.....	28
71—Otela-Alpin-Chiefland complex, 0 to 5 percent slopes.....	30
74—Surrency, Plummer, and Cantey soils, frequently flooded.....	33
References	37

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

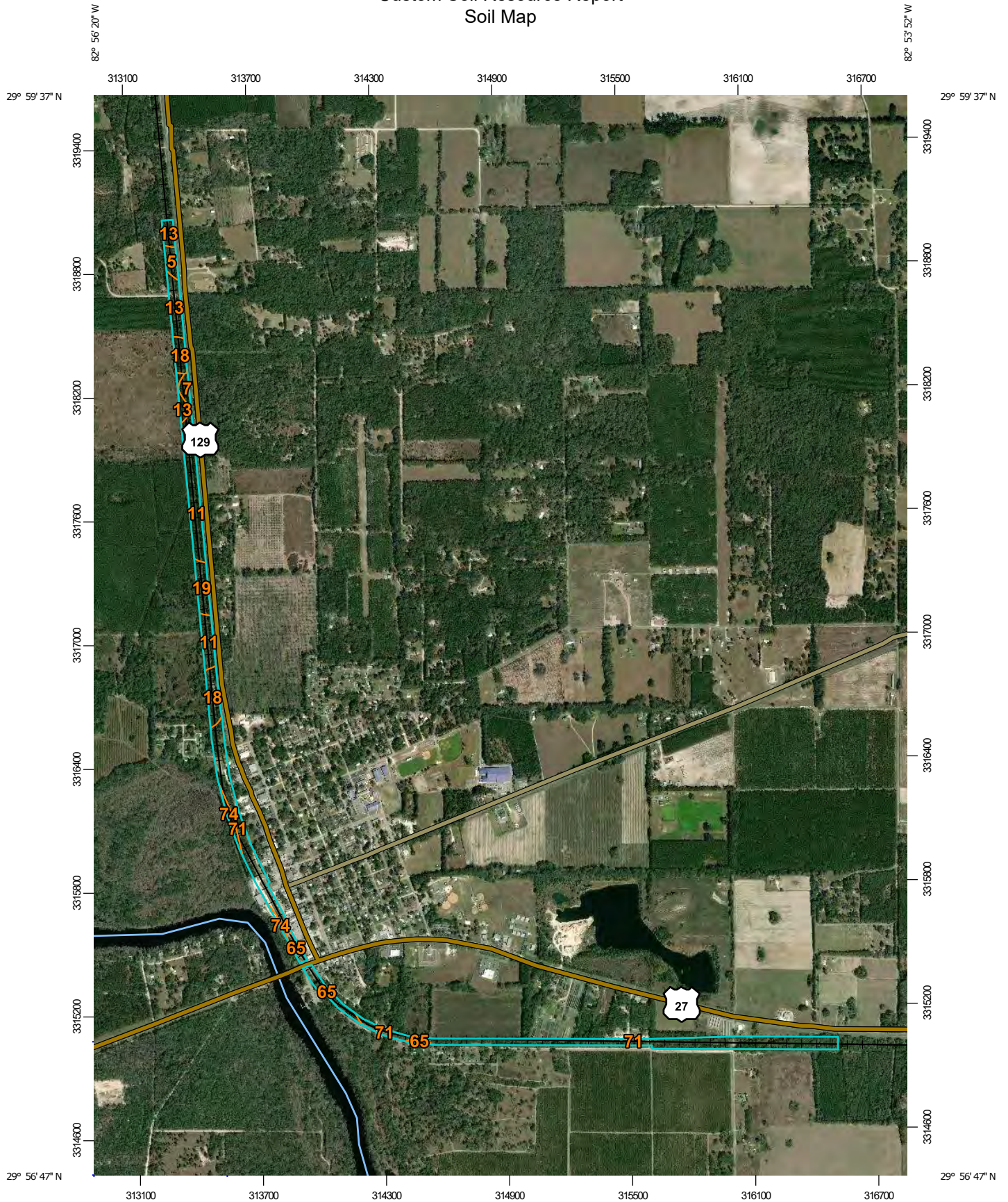
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Map Scale: 1:25,600 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Suwannee County, Florida
 Survey Area Data: Version 18, Sep 17, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 26, 2014—Dec 9, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5	Blanton-Bonneau complex, 0 to 5 percent slopes	1.9	2.5%
7	Bigbee-Garcon-Meggett complex, occasionally flooded	3.0	3.9%
11	Bonneau-Blanton-Padlock complex, 0 to 5 percent slopes	11.6	15.0%
13	Blanton-Alpin-Bonneau complex, 0 to 5 percent slopes	7.2	9.3%
18	Otela-Chiefland-Ichetucknee complex, 0 to 5 percent slopes	6.1	7.9%
19	Chiefland fine sand, occasionally flooded	3.5	4.6%
65	Garcon-Eunola complex, 2 to 5 percent slopes, occasionally flooded	5.3	6.9%
71	Otela-Alpin-Chiefland complex, 0 to 5 percent slopes	36.8	47.6%
74	Surrency, Plummer, and Cantey soils, frequently flooded	1.8	2.4%
Totals for Area of Interest		77.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called

Custom Soil Resource Report

noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can

Custom Soil Resource Report

be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Suwannee County, Florida

5—Blanton-Bonneau complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2y51t
Elevation: 50 to 250 feet
Mean annual precipitation: 49 to 57 inches
Mean annual air temperature: 66 to 73 degrees F
Frost-free period: 239 to 269 days
Farmland classification: Not prime farmland

Map Unit Composition

Blanton and similar soils: 59 percent
Bonneau and similar soils: 36 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Blanton

Setting

Landform: Knolls, marine terraces, ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy and loamy marine deposits

Typical profile

Ap - 0 to 5 inches: fine sand
E - 5 to 41 inches: fine sand
Bt - 41 to 48 inches: sandy loam
Btg - 48 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: About 47 to 50 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 4.0
Available water storage in profile: Moderate (about 6.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A
Forage suitability group: Sandy soils on rises, knolls, and ridges of mesic uplands (G138XA121FL)

Custom Soil Resource Report

Hydric soil rating: No

Description of Bonneau

Setting

Landform: Knolls, marine terraces
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy and loamy marine deposits

Typical profile

Ap - 0 to 7 inches: fine sand
E - 7 to 27 inches: fine sand
Bt - 27 to 51 inches: fine sandy loam
Btg - 51 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 42 to 56 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 4.0
Available water storage in profile: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: B
Forage suitability group: Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G138XA221FL)
Hydric soil rating: No

Minor Components

Alpin

Percent of map unit: 5 percent
Landform: Knolls, marine terraces, ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sand Pine Scrub (R153AY001FL)
Hydric soil rating: No

APPENDIX H

Letter from Division of Historical Resources



FLORIDA DEPARTMENT OF STATE
Sandra B. Mortham
Secretary of State
DIVISION OF HISTORICAL RESOURCES

RECEIVED

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OFFICE OF
GREENWAYS MANAGEMENT

December 19, 1997

Ms. Marsha Messersmith
Office of Greenways and Trails
Department of Environmental Protection
325 John Knox Road, Building 500
Tallahassee, Florida 32303

In Reply Refer To:
Susan M. Harp
Historic Preservation Planner
Project File No. 976664

RE: Request for Land Management Plan Information
Suwannee River Greenway at Branford, Suwannee County, Florida

Dear Ms. Messersmith:

In accordance with this agency's responsibilities under Section 253.034(4), Florida Statutes, we have reviewed the information in the Florida Site File to determine whether any historic properties are recorded in the referenced management area, and also to determine the potential for such resources which are presently unrecorded to be located within it.

Our review indicates that it appears that no archaeological sites or historic buildings are recorded in the subject tract. Furthermore, it is the opinion of this agency that there is a low probability of significant, unrecorded sites being located within the old railroad right-of-way.

However, as can be seen on the attached map, archaeological site 8SU9 may extend into the managed area, though it is unlikely that if any of this site did extend into the right-of-way, it would be intact. This site was recorded in 1950, with very little information, and may no longer be extant. In addition, while there are no historic sites recorded within Branford, this is most likely because this city has never been subjected to a cultural resources assessment survey to locate such sites. There may be potentially significant structures located adjacent to the greenway within the City of Branford.

Therefore, it is our recommendation that should any project activities be planned within Branford, this agency should be contacted prior to the commencement of project activities to determine if any potentially significant structures would be adversely affected by the proposed activity. Likewise, should any activity be proposed outside of the already disturbed railroad right-of way, we should again be contacted for review and comment of the proposed activity.

DIRECTOR'S OFFICE

R.A. Gray Building • 500 South Bronough Street • Tallahassee, Florida 32399-0250 • (850) 488-1480
FAX: (850) 488-3353 • WWW Address <http://www.dos.state.fl.us>

ARCHAEOLOGICAL RESEARCH
(850) 487-2299 • FAX: 414-2207

HISTORIC PRESERVATION
(850) 487-2333 • FAX: 922-0496

HISTORICAL MUSEUMS
(850) 488-1484 • FAX: 921-2503

Ms. Messersmith
December 19, 1997
Page 2

Lastly, fortuitous finds may occur within this greenway and our agency should be immediately notified if archaeological or historic remains are encountered. Ground disturbing activities in the immediate vicinity of artifact finds should also be halted until the area can be investigated. However, unless covered under the two conditions indicated above, historic property considerations will otherwise not be an issue in the management of this property.

We have enclosed for your use a copy of Management Procedures for Archaeological and Historic Sites and Properties on State-Owned or Controlled Lands. This document should be referenced where appropriate in your land management plan, and attached to it.

If you have any questions concerning our comments, please do not hesitate to contact us. Your interest in protecting Florida's archaeological and historic resources is appreciated.

Sincerely,

Laura A. Kammerer

for

George W. Percy, Director
Division of Historical Resources

GWP/Hsh
Enclosure (2)

Management Procedures for Archaeological and Historical Sites and Properties on State-Owned or Controlled Properties
(revised February 2007)

These procedures apply to state agencies, local governments, and non-profits that manage state-owned properties.

A. General Discussion

Historic resources are both archaeological sites and historic structures. Per Chapter 267, Florida Statutes, *'Historic property' or 'historic resource' means any prehistoric district, site, building, object, or other real or personal property of historical, architectural, or archaeological value, and folklife resources. These properties or resources may include, but are not limited to, monuments, memorials, Indian habitations, ceremonial sites, abandoned settlements, sunken or abandoned ships, engineering works, treasure trove, artifacts, or other objects with intrinsic historical or archaeological value, or any part thereof, relating to the history, government, and culture of the state.'*

B. Agency Responsibilities

Per State Policy relative to historic properties, state agencies of the executive branch must allow the Division of Historical Resources (Division) the opportunity to comment on any undertakings, whether these undertakings directly involve the state agency, i.e., land management responsibilities, or the state agency has indirect jurisdiction, i.e. permitting authority, grants, etc. No state funds should be expended on the undertaking until the Division has the opportunity to review and comment on the project, permit, grant, etc.

State agencies shall preserve the historic resources which are owned or controlled by the agency.

Regarding proposed demolition or substantial alterations of historic properties, consultation with the Division must occur, and alternatives to demolition must be considered.

State agencies must consult with Division to establish a program to location, inventory and evaluate all historic properties under ownership or controlled by the agency.

C. Statutory Authority

Statutory Authority and more in depth information can be found in the following:

Chapter 253, F.S. – State Lands

Chapter 267, F.S. – Historical Resources

Chapter 872, F.S. – Offenses Concerning Dead Bodies and Graves

Other helpful citations and references:

Chapter 1A-32, F.A.C. – Archaeological Research

Chapter 1A-44, F.A.C. – Procedures for Reporting and Determining Jurisdiction Over Unmarked Human Burials

Chapter 1A-46, F.A.C. – Archaeological and Historical Report Standards and Guidelines

The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

D. Management Implementation

Even though the Division sits on the Acquisition and Restoration Council and approves land management plans, these plans are conceptual. Specific information regarding individual projects must be submitted to the Division for review and recommendations.

Managers of state lands must coordinate any land clearing or ground disturbing activities with the Division to allow for review and comment on the proposed project. Recommendations may include, but are not limited to: approval of the project as submitted, pre-testing of the project site by a certified archaeological monitor, cultural resource assessment survey by a qualified professional archaeologist, modifications to the proposed project to avoid or mitigate potential adverse effects.

Projects such as additions, exterior alteration, or related new construction regarding historic structures must also be submitted to the Division of Historical Resources for review and comment by the Division's architects. Projects involving structures fifty years of age or older, must be submitted to this agency for a significance determination. In rare cases, structures under fifty years of age may be deemed historically significant. These must be evaluated on a case by case basis.

Adverse impacts to significant sites, either archaeological sites or historic buildings, must be avoided. Furthermore, managers of state property should make preparations for locating and evaluating historic resources, both archaeological sites and historic structures.

E. Minimum Review Documentation Requirements

In order to have a proposed project reviewed by the Division, the following information, at a minimum, must be submitted for comments and recommendations.

Project Description – A detailed description of the proposed project including all related activities. For land clearing or ground disturbing activities, the depth and extent of the disturbance, use of heavy equipment, location of lay down yard, etc. For historic structures, specific details regarding rehabilitation, demolition, etc.

Project Location – The exact location of the project indicated on a USGS Quadrangle map, is preferable. A management base map may be acceptable. Aerial photos indicating the exact project area as supplemental information are helpful.

Photographs – Photographs of the project area are always useful. Photographs of structures are required.

Description of Project Area – Note the acreage of the project, describe the present condition of project area, and any past land uses or disturbances.

Description of Structures – Describe the condition and setting of each building within project area if approximately fifty years of age or older.

Recorded Archaeological Sites or Historic Structures – Provide Florida Master Site File numbers for all recorded historic resources within or adjacent to the project area. This information should be in the current management plan; however, it can be obtained by contacting the Florida Master Site File at (850) 245-6440 or Suncom 205-6440.

* * *

Questions relating to the treatment of archaeological and historic resources on state lands should be directed to:

Susan M. Harp
Historic Preservation Planner
Division of Historical Resources
Bureau of Historic Preservation
Compliance and Review Section
R. A. Gray Building
500 South Bronough Street
Tallahassee, FL 32399-0250

Phone: (850) 245-6333
Suncom: 205-6333
Fax: (850) 245-6438

APPENDIX I

Suwannee County Comprehensive Plan Directives

Appendix I: Relevant Comprehensive Plan Directives

Town of Branford Directives

Directive Summary

- 6.3 ...participate in the reforestation of the old SCL Railroad right-of-way as part of the Rails to Trails Program.
- 10.3 By the year 2000, obtain land to meet existing and projected recreational needs.
- 4 The town shall establish a non-vehicular transportation network linking residential areas with parks, schools and major shopping areas.
- 3 The town shall protect the quality of all surface waters.
- 5 The town's wetlands shall be conserved and protected from physical and hydrologic alterations.
- 9.7 Branford's environmentally sensitive lands shall include river banks, major drainageways, viable wetlands, floodplains, poorly drained soils and prime groundwater recharge areas.
- 1.9 The town shall continue to evaluate on an ongoing basis the potential for public restrooms, bike trail connection and further recreational development with regard to the Florida Department of Natural Resources (DEP) conversion of the SCL Railroad for recreational use.
- 2 Maintain and enhance the town's open space resources.
- 3 By 2000, all public recreation facilities shall have operation automobile, bicycle and pedestrian access facilities.
- 4 Improve and coordinate efforts with all levels of government and the private sector to provide recreational opportunities.

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V

CONSERVATION ELEMENT

INTRODUCTION

The following goal, objectives and policies constitute the Conservation Element providing for the promotion of the conservation, use and protection of the County's natural resources. The data collected for this plan element and analysis of this data, contained in the County's Data and Analysis document, are not part of this plan element, but serve to provide a foundation and basis for the formulation of this portion of the Comprehensive Plan.

Conservation uses are defined as activities within land areas designated for the purpose of conserving or protecting natural resources or environmental quality and within this plan includes areas designated for such purposes as flood control, protection of quality or quantity of groundwater or surface water, floodplain management, or protection of vegetative communities or wildlife habitats.

The Future Land Use Plan map addresses conservation future land use as defined above. The conservation future land use category shown on the Future Land Use Plan map identifies lands which have been designated "conservation" for the purposes of protecting natural resources or environmental quality.

The Future Land Use Plan map series includes the identification of flood prone areas, wetlands, existing and planned waterwells, rivers, bays, lakes, minerals and soils, which are land cover features, but are not land uses. Therefore, although these natural resources are identified within the Future Land Use Plan map series, they are not designated on the Future Land Use Plan map as conservation areas. However, the constraints on future land uses of these natural resources are addressed in the following goal, objective and policy statements.

CONSERVATION GOAL, OBJECTIVES AND POLICIES

GOAL V - CONSERVE, THROUGH APPROPRIATE USE AND PROTECTION, THE RESOURCES OF THE COUNTY TO MAINTAIN THE INTEGRITY OF NATURAL FUNCTIONS.

OBJECTIVE V.1 The County shall establish provisions within the site plan review process ~~by April 1, 1992~~ to protect air quality by requiring the appropriate siting of development and associated public facilities.

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POLICY V.1.1 The County's land development regulations shall require that all appropriate air quality permits are obtained prior to the issuance of development orders, so that minimum air quality levels established by the Florida Department of Environmental **Regulation Protection** are maintained in the County.

OBJECTIVE V.2 The County, in order to protect the quality and quantity of current and projected water sources, hereby establishes a 300 foot wellfield protection areas around community water system wells. In addition, the County in order to protect **prime high groundwater aquifer** recharge areas **as designated by the Water Management District and depicted in Appendix A of this Comprehensive Plan** shall limit development in these areas as specified in ~~**Policy IV.5.2 the high groundwater aquifer recharge protection policy of the Sanitary Sewer, Solid Waste, Drainage, Potable Water and Natural Groundwater Aquifer Recharge Element**~~ of this Comprehensive Plan.

Policy V.2.1 The County as part of the development review process shall require the coordination of development plans with the Florida Department of Environmental **Regulation Protection** and the Water Management District to assist in the monitoring uses which may impact the County's current and projected water sources.

Policy V.2.2 The County shall protect the present water quality classification established by the Florida Department of Environmental **Regulation Protection** by prohibiting industrial uses, commercial uses and intensive agricultural uses, such as milking barns and chickenhouses, to be located adjacent to the County's surface water bodies.

Policy V.2.3 The County shall identify and make recommendations, where appropriate, for the purchase of environmentally sensitive lands by the State of Florida, Water Management District, or U.S. Government, under the programs administered by the U.S. Department of Interior, Florida Department of Natural Resources or the land acquisition programs of the Water Management District.

Policy V.2.4 The County's land development regulations shall require a 35-foot natural buffer around all wetlands, unless said wetlands are subject to a dredge and fill permit issued by the U.S. Army Corps of Engineers or the Florida Department of Environmental Protection, and prohibit the location of agriculture, residential, recreational, public, commercial and industrial land uses, and mining operations within the buffer areas, but allow resource-based recreational activities within buffer areas and silviculture uses within buffer areas subject to the provisions of ~~**Policy V.2.17**~~ **silviculture policies of this element.**

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- Policy V.2.5 The County shall, ~~by April 1, 1992~~ through the development review process, require that post-development runoff rates and pollutant loads do not exceed pre-development conditions.
- Policy V.2.6 The County's land development regulations shall require all new development to maintain the natural functions of environmentally sensitive areas, including but not limited to wetlands and 100-year floodplains so that the long term environmental integrity and economic and recreational value of these areas is maintained.
- Policy V.2.7 The County shall provide for the regulation of development within 100-year floodplains of the Suwannee, Santa Fe and Ichetucknee Rivers by establishing these areas as Environmentally Sensitive in accordance with **Policy I.2.1 the land use classification policy contained in the Land Use Element of this Comprehensive Plan**. In addition, in order to maintain the flood-carrying and flood storage capacities of the floodplains and reduce the risk of property damage and loss of life, ~~by April 1, 1992~~, the County shall adopt flood damage prevention regulations and in the interim shall continue to enforce the provisions of the National Flood Insurance Program.
- Policy V.2.8 Unless wetlands are subject to a dredge and fill permit issued by the U.S. Army Corps of Engineers or the Florida Department of Environmental **Regulation Protection**, the County shall conserve wetlands by prohibiting any development, excepting mining operations, or dredging and filling which would alter the natural functions of wetlands and regulating mining operations within wetlands, as stated in **Policy I.3.3 the mining policy contained in the Land Use Element of this Comprehensive Plan**. Where no other alternative for development exists, excepting mining operations, mitigation will be considered as a last resort using criteria established within the rules of the Florida Department of Environmental **Regulation Protection**, in effect upon **adoption amendment** of this Comprehensive Plan. **For the purposes of this Comprehensive Plan "wetlands" means those areas that are inundated or saturated by surface water or groundwater at a frequency and a duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soils. Soils present in wetlands generally are classified as hydric or alluvial, or possess characteristics that are associated with reducing soil conditions. The prevalent vegetation in wetlands generally consists of facultative or obligate hydrophytic macrophytes that are typically adapted to areas having soil conditions described above. These species, due to**

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morphological, physiological or reproductive adaptations, have the ability to grow, reproduce or persist in aquatic environments or anaerobic soil conditions. Florida wetlands generally include swamps, marshes, bayheads, bogs, cypress domes and strands, sloughs, wet prairies, riverine swamps and marshes, hydric seepage slopes, tidal marshes, mangrove swamps and other similar areas. Florida wetlands generally do not include longleaf or slash pine flatwoods with an understory dominated by saw palmetto.

- Policy V.2.9 The County shall support the Water Management District in their conducting of water conservation programs.
- Policy V.2.10 The County shall comply with the plans of the Water Management District for the emergency conservation of water sources.
- Policy V.2.11 The County shall, ~~upon adoption of this Comprehensive Plan~~, limit development and associated impervious surfaces in **prime high** groundwater aquifer recharge areas designated by the Water Management District **and depicted in Appendix A of this Comprehensive Plan**, in accordance with the requirements stipulated in ~~Policy IV.5.2~~ **the high groundwater aquifer recharge policy contained in the Sanitary Sewer, Solid Waste, Drainage, Potable Water and Natural Groundwater Aquifer Recharge Element of this Comprehensive Plan** in order to maintain the natural features of these areas.
- Policy V.2.12 The County as part of the development review process shall require the maintenance of the quantity and quality of surface water runoff within ~~freshwater stream to sink watersheds by prohibiting commercial and industrial development within these areas~~ **natural drainage basins.**
- Policy V.2.13 The County shall only allow hazardous and bio-medical waste treatment facilities as special permits within areas designated agricultural and located within the rural area of the County. Further, the County's land development regulations shall include the following conditions for such approval of a hazardous and bio-medical waste treatment facility as a special permit:
1. the location, site design and buffer requirements for the facility shall consider wind currents in relationship to population centers, which will direct any incinerated materials or noxious odors from these populations centers;

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2. the facility shall access to principal arterials and major intersections;
3. the facility shall be required to be served by a community potable water system and a centralized sanitary sewer system, and
4. In no case shall a hazardous or bio-medical waste treatment facility be located within an Environmentally Sensitive Area as designated within this Comprehensive Plan.

Policy V.2.14

The County shall require a minimum undisturbed vegetated buffer of 75 feet measured from the generally recognized river bank of any Outstanding Florida Water as classified by the Florida Department of Environmental **Regulation Protection** and any other river of the Suwannee River System, and 50 feet adjacent to all other streams tributary to any such Outstanding Florida Water and any other river of the Suwannee River System, be maintained for all single-family residential uses and agricultural uses. Excepting single family residential uses and agricultural uses, as provided for above all other permitted land uses shall conform with the variable buffer requirements contained in rule 40B-4.3030(4) F.A.C., as administered by the Suwannee River Water Management District in effect upon adoption of this policy. Exception shall be made for the provision of reasonable access to the river; resource based recreational activities within buffer areas; and silviculture activities conducted in accordance with ~~Policies V.2.16 and V.2.17~~ **the silviculture policies of this element.**

Policy V.2.15

The County's land development regulations shall require a 50-foot minimum undisturbed vegetated buffer adjacent to all other perennial rivers, streams and creeks, unless said waterbodies are subject to a dredge and fill permit issued by the U.S. Army Corps of Engineers or the Florida Department of Environmental **Regulation Protection** and prohibit the location of residential, commercial and industrial land uses within the buffer areas, but allow resource-based recreational activities within buffer areas and silviculture uses within buffer areas in accordance with ~~Policy V.2.17~~ **the silviculture policies of this element.**

Policy V.2.16

Silviculture practices conducted in Agricultural, Conservation and Environmentally Sensitive Area land use categories designated on the Future Land Use Plan Map shall be limited to tree harvesting methods which are compatible with the maintenance of the natural functions of wetlands. Such silviculture practices shall be conducted in accordance with ~~Policy V.2.17~~ **the silviculture policies of this element** as modified by the following standards:

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Conduct silviculture practices in a manner that:

1. the natural hydrology and hydroperiod of wetlands are maintained and state water quality standards are not violated;
2. there is no conversion of wetland systems to upland systems; and
3. there is no conversion to other wetland systems except for the beneficial alteration of degraded wetlands to restore the wetlands as they existed prior to having been degraded or altered.

Policy V.2.17

Silviculture activities shall follow the best management practices outlined in the publications titled *Silviculture Best Management Practices Manual* (Revised ~~May 1990~~ **2000**, Florida Department of Agriculture and Consumer Services, Division of Forestry) and *Management Guidelines for Forested Wetlands in Florida* (December 1988, Florida Department of Agriculture and Consumer Services, Division of Forestry and Florida Forestry Association) except that:

1. the Primary Streamside Management Zone criteria, contained in best management practices as provided in *Silviculture Best Management Practices Manual* (Revised ~~May 1990~~ **2000**, Florida Department of Agriculture and Consumer Services, Department of Forestry), will be applied within 150 feet of Outstanding Florida Waters as classified by the Florida Department of Environmental **Regulation Protection** and any other river of the Suwannee River System, however, the 75 feet immediately adjacent to and including the normally recognized bank of such Outstanding Florida Waters and any other river of the Suwannee River System shall be left in its natural state as an undisturbed vegetated buffer pursuant to Chapter 40B-4.3030(4)(c), Florida Administrative Code, in effect upon adoption of this policy; and
2. the Primary Streamside Management Zone criteria in forested wetland areas shall be applied within 75 feet of perennial rivers, streams and creeks greater than 30 feet in width if ~~Policy V.2.17~~ **(a) the silviculture policies of this element does** not apply.

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Policy V.2.18 Following the publication of any future editions of the Silviculture Best Management Practices Manual **2000 edition**, by the Florida Department of Agriculture and Consumer Services, Division of Forestry or Management Guidelines for Forested Wetlands in Florida, by the Florida Department of Agriculture and Consumer Services, Division of Forestry and Florida Forestry Association, the County shall review and consider any such editions for adoption as an amendment to this Comprehensive Plan.

OBJECTIVE V.3 The County shall, ~~by April 1, 1992,~~ require special mining permits and that such permits be coordinated with the Florida **Department of Environmental Protection** ~~Department of Natural Resources~~; require that all subdivision plats be approved in a manner which will protect and conserve the natural functions of soils; and establishing a coordination process by which adjacent local governments, other governmental entities and research and interest groups have input into the identification and preservation of unique vegetative communities.

Policy V.3.1 The County shall require, within the land development regulations, that any mining permit be coordinated with the Florida **Department of Environmental Protection** ~~Department of Natural Resources~~ so that areas disturbed by mining activities are reclaimed to productive and beneficial use.

Policy V.3.2 The County shall review any comments provided by the Soil and Water Conservation District concerning proposed subdivision plats regarding topographic, hydrologic and vegetative cover factors in order to protect and conserve the natural functions of soils by the proposed development.

Policy V.3.3 The County shall consider flexible and creative concepts in development plans, where development retains forest resources located on the site to be maintained as open spaces to provide for recreation, wildlife habitat, watershed protection, erosion control and maintenance of water quality.

Policy V.3.4 The County shall cooperate with adjacent local governments, other governmental entities, research and interest groups to conserve and protect unique vegetative communities located within the County and adjacent local government jurisdictions.

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OBJECTIVE V.4 The County shall continue to include within the land development regulations, ~~by 1992~~, best management practices for the conservation, appropriate use and protection of fisheries, wildlife and wildlife habitats ~~upon adoption of this Comprehensive Plan~~, identify, as provided in ~~Policy V.4.9~~ the critical wildlife habitat policy of this element, and protect native wildlife and their habitats, including state and federally protected plant and animal species (endangered, threatened and species of special concern), within proposed development sites and protect these natural resources from the impacts of development by the use of the Florida Fish and Wildlife Conservation Commission Critical Wildlife Conservation Areas, Florida Natural Areas Inventory, and North Central Florida Strategic Regional Policy Plan Regionally Significant Natural Resources map series to identify habitats which potentially contain endangered, threatened or species of special concern, and rare or unique vegetative communities prior to granting development approval .

Policy V.4.1 The County shall cooperate with the ~~Florida Game and Fresh Water Fish Commission~~ Florida Fish and Wildlife Conservation Commission in the monitoring and inventorying of wildlife and wildlife habitats within the County.

Policy V.4.2 The County shall assist in the application and compliance with all Federal and state regulations which pertain to endangered and rare species.

Policy V.4.3 The County shall consult with the ~~Florida Game and Fresh Water Fish Commission~~ Florida Fish and Wildlife Conservation Commission prior to the issuance of a development order where there is an indication that such issuance would result on an adverse impact to any endangered or rare species. All new development will maintain the natural functions of environmentally sensitive areas, including but not limited to wetlands and 100-year floodplains so that the long term environmental integrity and economic impact and recreation value of these areas is maintained.

Policy V.4.4 The County shall address during the development review process the mitigation of development activities within environmentally sensitive areas, which include but are not limited to those areas identified as environmentally sensitive areas, on the Future Land Use Plan Map of this Comprehensive Plan to ensure that the possible impacts created by the proposed development activity will not significantly alter the natural functions of these significant natural resources. All new development will

Words **bolded and underlined** have been added.
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maintain the natural functions of environmentally sensitive areas, including but not limited to wetlands and 100-year floodplains so that the long term environmental integrity and economic impact and recreation value of these areas is maintained.

Policy V.4.5 The County shall initiate development and implementation of a local wildlife habitat protection and management program, and shall coordinate with state and federal wildlife programs.

Policy V.4.6 The County shall implement a public education program on the need to protect and manage the habitat of threatened and endangered species and species of special concern.

Policy V.4.7 The County shall request the assistance of the Florida Game and Fresh Water Fish Commission to conduct inventories of State and federally protected plant and animal species in the County.

Policy V.4.8 ~~For land use areas designated Environmentally Sensitive Areas-1, on the Future Land Use Plan Map, t~~ The County shall require the evaluation of impacts to endangered, threatened, or species of special concern wildlife and rare or unique vegetative communities by requiring ~~as a condition of permit approval of all proposed subdivisions of land into 25 or more lots, a survey of the site be, conducted by the developer, for the presence of state and federally protected plant and animal species~~ the developer of any proposed development which is equal to or greater than 20 acres and located within areas identified by the Florida Fish and Wildlife Conservation Commission Critical Wildlife Conservation Areas to evaluate the impacts to endangered, threatened or species of special concern and rare or unique vegetative communities; provided, however, if competent and substantial scientific evidence demonstrating that an endangered, threatened or species of special concern, wildlife habitat or rare and unique vegetative community is located within the area of any proposed development which is equal to or greater than 20 acres is presented to the County at the time of a preliminary plat or site and development plan is reviewed by the County, the developer shall evaluate the impacts on such habitats or communities. As a condition of permit approval of any proposed development within these areas, such evaluation shall consist of a survey of the development site conducted by the developer to identify the presence of any state and federally protected plant and animal species. In addition, if protected species are found on the site or would be affected by the development, a specific management plan shall be required from the developer, including

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necessary modifications to the proposed development, to ensure the preservation of the protected species and their habitat. The Inventory and Management Plan shall be done in consultation with the ~~Game and Fresh Water Fish Commission~~ Fish and Wildlife Conservation Commission, but the final approval of the management plan shall be by the County.

OBJECTIVE V.5 The County, in order to protect significant natural resources in a manner which is in conformance with and furthers the North Central Florida Strategic Regional Policy Plan, as amended August 28, 1997, hereby adopts the following maps as they apply to the unincorporated areas of the County as part of the Future Land Use Map Series of this Comprehensive Plan; (1) Regionally Significant Natural Resources - Ground Water Resources, dated May 23, 1996; (2) Regionally Significant Natural Resources - Natural Systems, dated August 28, 1997; (3) Regionally Significant Natural Resources - Planning and Resource Management Areas, dated May 23, 1996; (4) Regionally Significant Natural Resources - Planning and Resource Management Areas (Surface Water Improvement Management Water Bodies), dated May 23, 1996; and (5) Regionally Significant Natural Areas - Surface Water Resources, dated May 23, 1996. The following policies provide direction for the use of these maps in applying the referenced policies of this Comprehensive Plan.

Policy V.5.1 The map entitled Regionally Significant Natural Resources - Ground Water Resources, dated May 23, 1996, included within the Future Land Use Map Series, identifies groundwater resources for the application of the provisions of the high groundwater aquifer protection policy of the Sanitary Sewer, Solid Waste, Drainage, Potable Water and Natural Groundwater Aquifer Recharge Element of this Comprehensive Plan.

Policy V.5.2 The map entitled Regionally Significant Natural Resources - Natural Systems, dated August 28, 1997, included within the Future Land Use Map Series, identifies listed species for the application of the provisions the critical wildlife habitat policy of this element.

Policy V.5.3 The maps entitled Regionally Significant Natural Resources - Planning and Resource Management Areas, dated May 23, 1996, included within the Future Land Use Map Series, identifies state owned regionally significant lands for application of the provisions of the conservation land use policy of the Future Land Use Element of this Comprehensive Plan.

Words bolded and underlined have been added.
Words ~~bolded and struck through~~ have been deleted.

Policy V.5.4

The maps entitled Regionally Significant Natural Resources - Planning and Resource Management Areas (Surface Water Improvement Management Water Bodies), dated May 23, 1996, included within the Future Land Use Map Series, identifies surface water management improvement water bodies for the application of the provisions of the surface water runoff policy of this element.

Policy V.5.5

The map entitled Regionally Significant Natural Areas - Surface Water Resources, dated May 23, 1996, included within the Future Land Use Map Series, identifies surface water resources for the application of the provisions of the surface water and riverbank protection policies of this element.

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VI

RECREATION AND OPEN SPACE ELEMENT

INTRODUCTION

Recreation is the pursuit of leisure time activities in an outdoor or indoor setting. The proper relationship in size, number, type and location of different park and recreation areas is the primary objective for achieving a well balance recreation system. The policies included within this plan element for resource based and user oriented recreational facilities are based upon the information contained within the County's Data and Analysis document.

The data collected for this plan element and analysis of this data, contained in the County's Data and Analysis document, are not part of this plan element, but serve to provide a foundation and basis for the formulation of this portion of the Comprehensive Plan.

The following goal, objectives and policies for resource based and activity based recreation facilities within the County establish guidelines for the proper relationship of size, number, type and location of the different park and recreation needs for the County. The level of service tandards established within the policies provide guidelines for determining the acceptable quantities of recreational resources and facilities for the County's population.

Within these level of service standard policies persons to be served is the population of the County or the actual population demand upon the facility, whichever is greater; access points are any public or privately owned access which is available to the public at large; and the resource and user based facilities which are not listed are considered to be exceeding an appropriate level of service for such activity based upon the limited demand for the activity within the County.

RECREATION AND OPEN SPACE GOAL, OBJECTIVES AND POLICIES

GOAL VI - ENSURE THE PROVISION AND MAINTENANCE OF ADEQUATE RECREATION FACILITIES AND OPEN SPACE FOR CITIZENS AND VISITORS AND ACCESS TO THESE FACILITIES FOR ALL PERSONS, REGARDLESS OF SPECIAL NEED OR CONDITION.

OBJECTIVE VI.1 The County shall continue to provide vehicular and pedestrian access to County owned activity and resource based recreation facilities, as appropriate; ~~upon adoption of this Comprehensive Plan.~~

Words **bolded and underlined** have been added.
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Policy VI.1.1 The County shall maintain the number of access points to water oriented recreational resources for the County which will meet or exceed the level of service standards contained herein for resource based water related activities.

OBJECTIVE VI.2 The County, ~~by April 1, 1992,~~ shall maintain accurate recreation activity/facility inventories so that accurate levels of service can be determined, based upon the recreation resources available to the County.

Policy VI.2.1 The County shall establish cooperative policies with other units of government, the Florida Department of Natural Resources, Water Management District, School Board and community organizations to meet recreation demands.

OBJECTIVE VI.3 The County shall ~~by April 1, 1992,~~ require new subdivisions or re-subdivisions to allocate land for parks and recreation facilities so the County's recreation facilities are provided in quantities to maintain the adopted level of service standards for recreation as contained herein.

Policy VI.3.1 The County hereby establishes the following level of service standards for resource based recreation facilities.

<u>ACTIVITY</u>	<u>LEVEL OF SERVICE STANDARD</u>
Swimming (non-pool)	1 access point at a beach, spring, river, lake or pond when the County population exceeds 10,000 <u>50,000</u> population and for every 10,000 <u>50,000</u> population thereafter.
Fishing (non-boat)	1 access point when the County population exceeds 10,000 population and for every 10,000 population thereafter.
Fishing (boat)	1 boat ramp when the County population exceeds 5,000 <u>7,500</u> and for every 5,000 <u>7,500</u> population thereafter.
Camping (Recreation Vehicle and tent)	1 acre of campground within a 25 mile radius of the County when the County population exceeds 25,000 population and for every 25,000 population thereafter.

Words bolded and underlined have been added.
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ACTIVITY

LEVEL OF SERVICE STANDARD

Picnicking	1 picnic table when the County population exceeds 500 persons and for every 500 population thereafter.
Hiking	1 mile of available hiking trail within a 25 mile radius of the County when the County population exceeds 5,000 <u>10,000</u> population and for every 5,000 <u>10,000</u> population thereafter.
Nature Study	7 acres of wildlife management area within a 25 mile radius of the County when the County population exceeds 5,000 <u>10,000</u> and for every 5,000 <u>10,000</u> population thereafter.
Bicycling	1 mile of local roadway when the County population exceeds 1,000 and for every 1,000 population thereafter.

Policy VI.3.2

The County hereby establishes the following level of service standards for user based recreation facilities.

ACTIVITY

LEVEL OF SERVICE STANDARD

Football/Soccer	1 multi-purpose playing field when the County population exceeds 6,000 <u>5,000</u> population and for every 6,000 <u>5,000</u> population thereafter.
Baseball/Softball	1 baseball/softball field when the County population exceeds 6,000 <u>5,000</u> population and for every 6,000 <u>5,000</u> population thereafter.
Tennis	1 tennis court when the County population exceeds 3,000 population and for every 3,000 population thereafter.

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 Words ~~**bolded and struck through**~~ have been deleted.

<u>ACTIVITY</u>	<u>LEVEL OF SERVICE STANDARD</u>
Swimming (pool)	1 pool when the County population exceeds 50,000 population and for every 50,000 population thereafter.
Basketball	1 basketball court when the County population exceeds 5,000 population and for every 5,000 population thereafter.
Equipped Play Area	1 equipped play area when the County population exceeds 5,000 population and for every 5,000 population thereafter.
Physical Exercise	1 physical exercise track when the County population exceeds 16,000 population and for every 16,00 population thereafter.
Multi-purpose Handball/Racquetball Court	1 court when the County population exceeds 5,000 population and for every 5,000 population thereafter.
Policy VI.3.3	The County, through the annual capital improvements budgeting process, shall identify funding sources to correct or improve existing deficiencies in County-owned parks and recreation facilities in accordance with the level of service standards contained herein.
OBJECTIVE VI.4	The County shall, upon the adoption of this Comprehensive Plan, maintain the acreage currently available in open space within the rural areas of the County.
Policy VI.4.1	The County shall maintain the acreage currently available in open space within the rural areas of the County.
Policy VI.4.2	The County, as part of the procedure for monitoring land evaluation of the Comprehensive Plan, shall recommend as appropriate, the purchase of lands for open spaces by public agencies and subsequent to such land purchase, to support and assist, when possible, in the management of such lands.

APPENDIX J

AREA OF CRITICAL STATE CONCERN LETTER



STATE OF FLORIDA

DEPARTMENT OF COMMUNITY AFFAIRS

"Helping Floridians create safe, vibrant, sustainable communities"

LAWTON CHILES
Governor

JAMES F. MURLEY
Secretary

RECEIVED

March 13, 1998

MAR 16 1998

OFFICE OF
GREENWAYS MANAGEMENT

Marsha Messersmith
Department of Environmental Protection
Office of Greenways & Trails
Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Re: Suwannee River Greenway at Branford

Dear Ms. Messersmith:

In response to your letter dated March 10, 1998, the above-referenced project is not within or near an area of critical state concern.

If I can be of further assistance, please contact me at (850) 487-4545.

Sincerely,

Michael D. McDaniel
Growth Management Administrator

MDM/rm

2555 SHUMARD OAK BOULEVARD • TALLAHASSEE, FLORIDA 32399-2100
Phone: 850.488.8466/Suncom 278.8466 FAX: 850.921.0781/Suncom 291.0781
Internet address: <http://www.state.fl.us/comaff/dca.html>

FLORIDA KEYS
Area of Critical State Concern Field Office
2796 Overseas Highway, Suite 212
Marathon, Florida 33050-2227

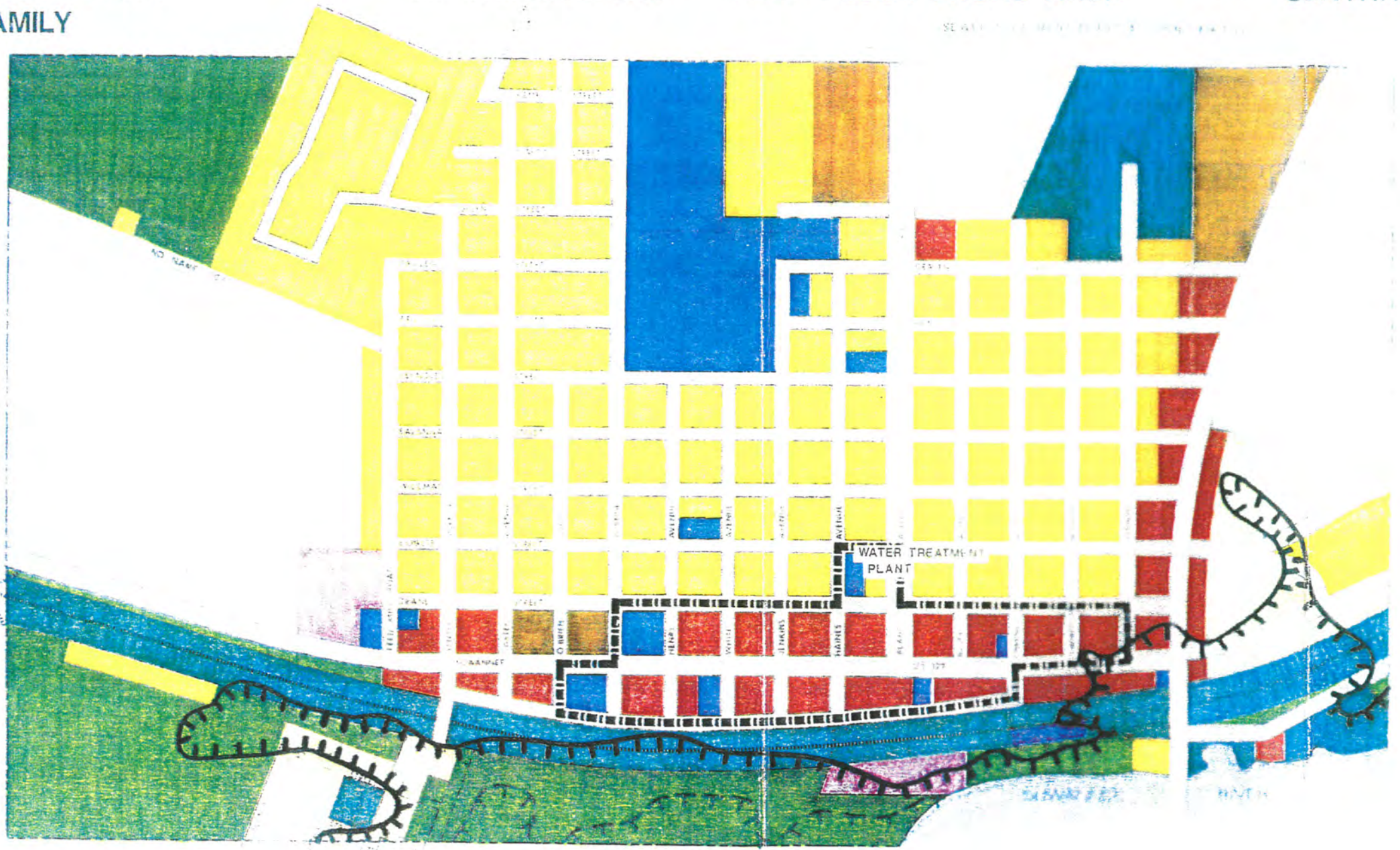
GREEN SWAMP
Area of Critical State Concern Field Office
155 East Summerlin
Bartow, Florida 33830-4641

SOUTH FLORIDA RECOVERY OFFICE
P.O. Box 4022
8600 N.W. 36th Street
Miami, Florida 33159-4022

MAP 1
LAND USE MAP

LEGEND

- | | | | |
|--|--|--|---|
|  RESIDENTIAL |  COMMERCIAL |  INDUSTRIAL |  WETLANDS |
|  SINGLE FAMILY-LOW DENSITY |  PUBLIC |  TRANSPORTATION |  BIKE/HIKE TRAIL |
|  SINGLE FAMILY-MEDIUM DENSITY |  RECREATION |  CONSERVATION |  ACTIVE REUSE AREA |
|  MOBILE HOME PARK |  AGRICULTURE |  FLOOD PRONE AREA |  CENTRAL BUSINESS DISTRICT |
|  MULTI-FAMILY | | | |



YEAR 2000

FUTURE LAND USE PLAN

COMPREHENSIVE PLAN
TOWN OF BRANFORD

DATE: 3/14/91

FIGURE: L-7

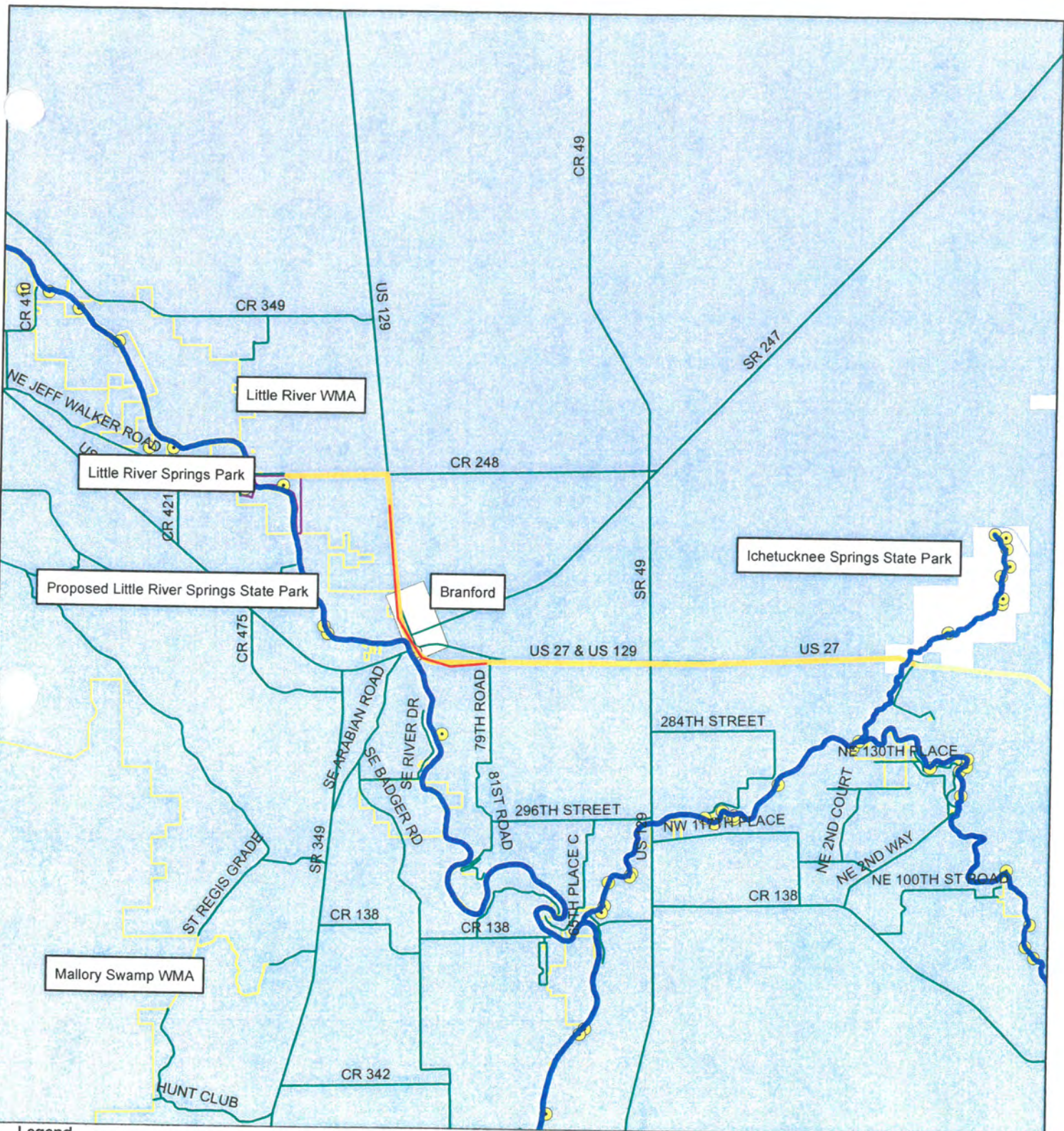
SCALE



EDWARDS & KELCEY ASSOCIATES INC.
PLANNING AND ARCHITECTURE
1000 WASHINGTON STREET
BRANFORD, CT 06405
TEL: 860-789-1111

MAP 2

SUWANNEE RIVER GREENWAY AT BRANFORD AND
LINKAGE TO SRWMD BRANTLY TRACT



Legend

— Rivers

NAME

— ICHETUCKNEE TO O'LENO TRAIL

— BRANFORD TRAIL-SUWANNEE RIVER GREENWAY

● Springs

— LM Highways

□ City Limits

□ Local Government Parks

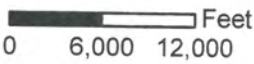
□ District Lands

MANAME

□ Ichetucknee Springs State Park

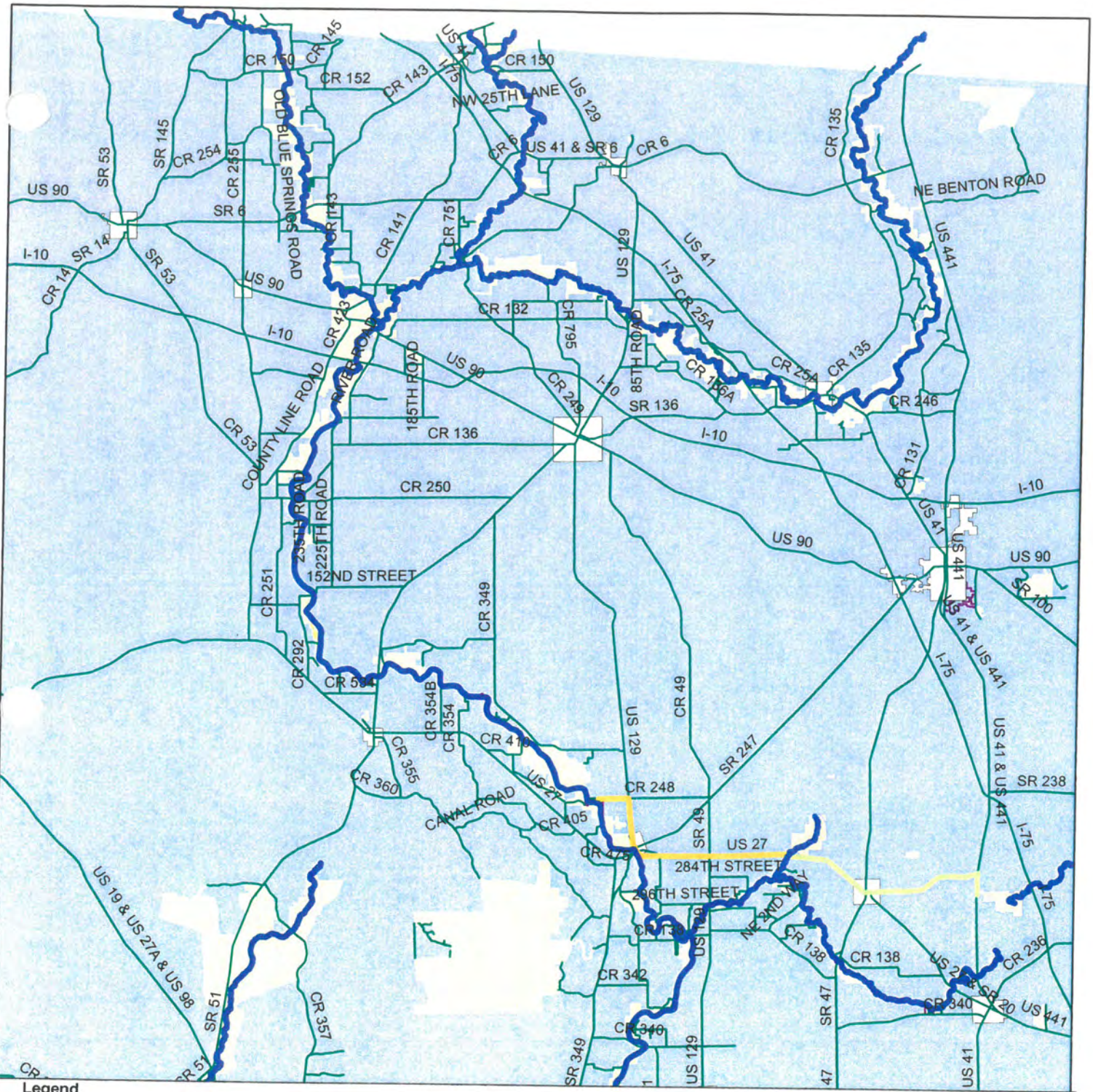
MAP 2

Suwannee Greenway at Branford and Linkage to Other Public Lands



MAP 3

PROXIMITY TO OTHER SIGNIFICANT LAND OR WATER
RESOURCES

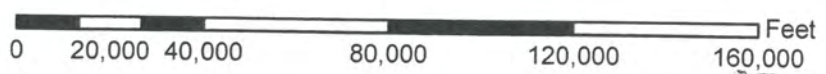


Legend

- Rivers
- NAME**
- ICHETUCKNEE TO O'LENO TRAIL
- BRANFORD TRAIL-SUWANNEE RIVER GREENWAY
- LM Highways
- City Limits
- Local Government Parks
- District Lands
- State & County Parks**
- NAME**
- O'leno State Park
- Suwannee River State Park
- Lafayette Blue Springs State Park
- Ichetucknee Springs State Park

MAP 3

Proximity to other Significant Land or Water Resources

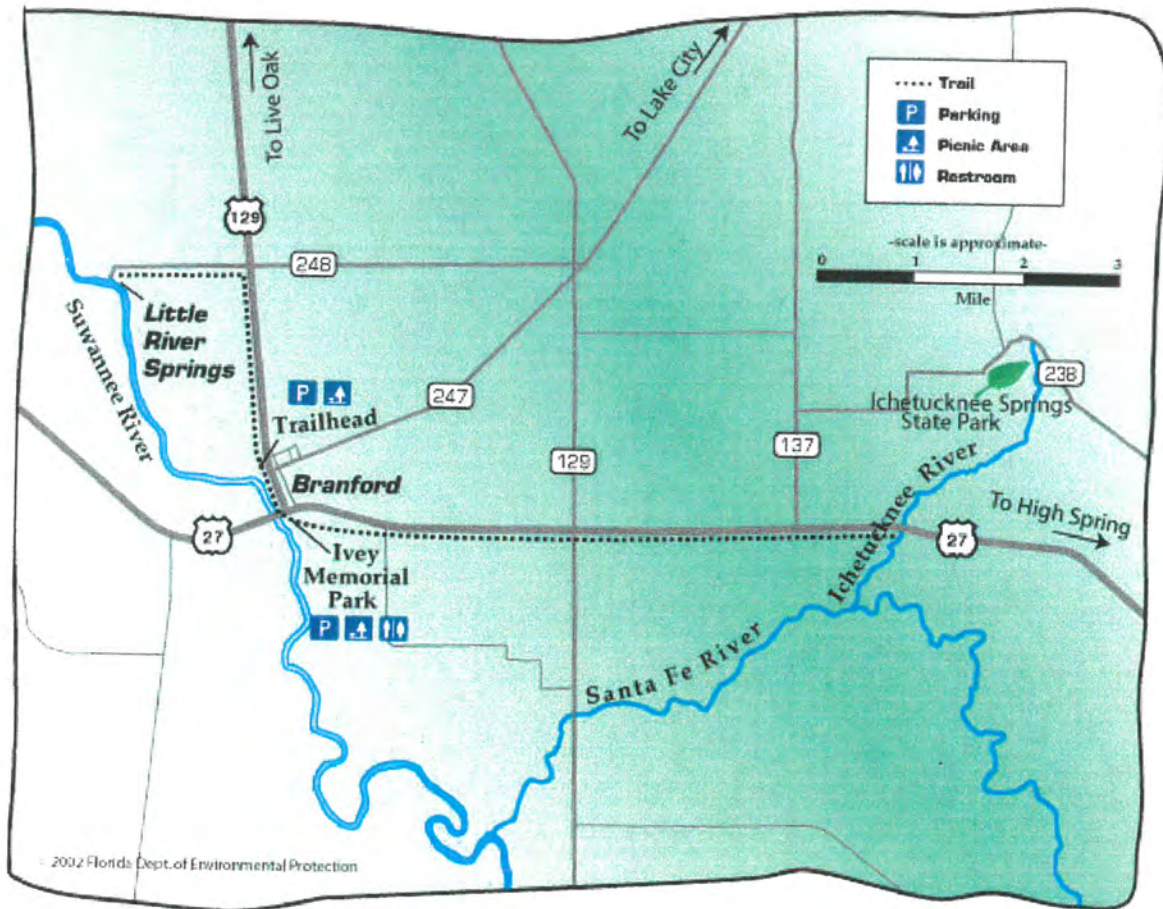


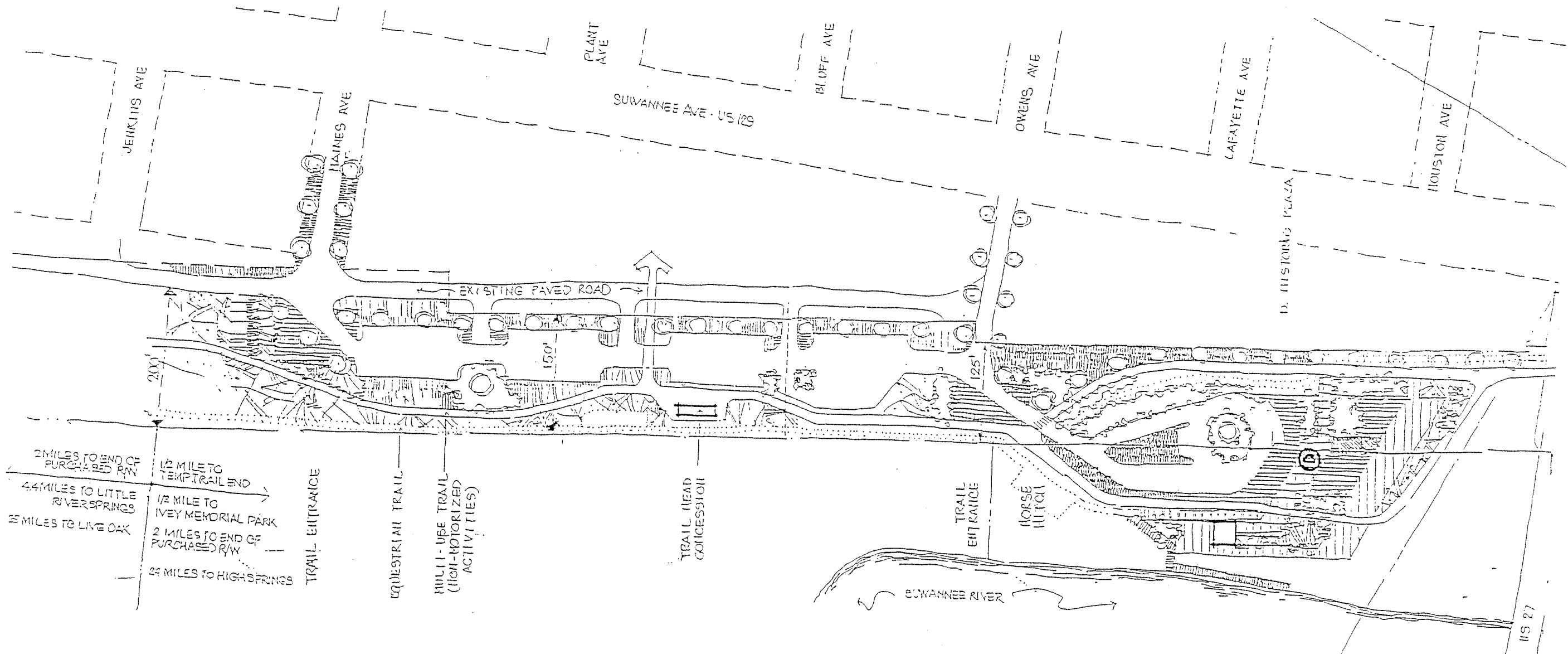
MAP 4
SITE PLAN

MAP 4

Suwannee River Greenway at Branford

- The eastern end of the Trail provides a direct connection to the O'Leno to Ichetucknee
- 0.5 mile to Ivey Memorial Park
- 4.4 Miles to Little River Springs State Park
- 24 miles to High Springs
- 25 miles to Live Oak





2 MILES TO END OF PURCHASED R/W
 4.4 MILES TO LITTLE RIVERSPRINGS
 5 MILES TO LIVE OAK
 1/2 MILE TO TEMP TRAIL END
 1/2 MILE TO IVEY MEMORIAL PARK
 2 MILES TO END OF PURCHASED R/W
 2 1/2 MILES TO HIGH SPRINGS

TRAIL ENTRANCE

EQUESTRIAN TRAIL

MULTI-USE TRAIL
(NON-MOTORIZED
ACTIVITIES)

TRAIL HEAD
CONCESSION

TRAIL
ENTRANCE

HORSE
HUTCH

SUWANNEE RIVER

US 27