

## Fall 2010 meeting of the Natural Area Advisory Committee

10 September 2010, NATL academic pavilion, 4:00 - 5:05 pm

Recorded by Lary Reeves

### In attendance:

Dan Fitzpatrick (NATL Vice-chair, ENSO, Dept. of Entomology)

Elizabeth Wells (NATL Undergraduate TA)

Erick Smith (Friend of NATL)

Jaret Daniels (NATL Chair, McGuire Center, McGuire, FLMNH)

Lary Reeves (NATL Graduate TA)

Stephen Holland (Tourism, Recreation and Sports Management)

Tom Walker (NATL administrative assistant, Dept. of Entomology)

### 4:00 PM

#### 1. Introductions

New NATL graduate TA: Lary Reeves; Undergraduate TA: Elizabeth Wells

New NATL Vice-Chair: Dan Fitzpatrick (ENY)

#### 2. Acknowledgements

Recognition of past NATL Graduate TA: Geoff Gallice; currently working on his research in Ecuador

#### 3. Graduate TA Report (Lary Reeves)

Summary of current projects and developments in NATL

**Nature trails:** New plant identification photosigns put in place; continuation of general trail maintenance; adoption of trail sequences (Appendix B) as a means of simplifying routine trail maintenance and upgrades

**Wiregrass:** Over the course of the summer, 2,000 wiregrass plugs were planted in the upland pine habitat, along with 250 lopsided indiagrass. Thanks to Lary Reeves, Ken Prestwich, Dan Fitzpatrick, Jaret Daniels, Tom Walker, Elizabeth Wells, Mathew Stanbridge, and Roxanne Wagner.

**Alligator Warning Sign:** Today (15 Sept.), the latest batch of new interpretive signs arrived from ColorReflections. Included in the batch is a new, striking alligator warning sign, which will be put in place on the SEEP nature trail, near the pavilion.

#### 4. Mini-Grants Updates

**Wading birds and treefrogs:** The students of Susan Jacobson have developed two new 3x4' interpretive signs, describing the tree frogs and wading birds of NATL. Both are in the final stages of production and will be included in the next batch of signs sent out to ColorReflections.

**Cuban treefrogs:** No Cuban treefrogs have been reported in NATL since last winter's freezes. As a result, Michael Granatosky's Cuban treefrog study (Removal and diet of the non-indigenous Cuban treefrog) had to be altered. Currently, the project is focused on monitoring PVC pipes that Mike put in

place to attract treefrogs. We are currently awaiting a mid-semester report from Michael Granatosky and are expecting a final report.

#### **5. New gridmaps**

New and updated gridmaps have been created by Bob Guggenheim, under the supervision of Tom Walker (Appendix D and E). Updated gridmaps are more accurate and correct problems with the placement of the grid in previous versions.

#### **6. Arrival of new wayfinding signs**

ColorReflections has sent 50 new brown and white wayfinding signs which will replace the old, tattered green and white ones. They will be installed this following week.

#### **7. Trailmaster update**

The trailmaster people counter placed at the Cultural Plaza entrance has provided needed data on NATL use. However, multiple issues with the hardware and software have arisen, including a shorter the expected battery life and calibration issues. The unit's worth has been a challenge to assess. Once we have a better understanding of the unit, a decision will be made on whether it is worth purchasing a second. Data generated by the trailmaster in July is attached (Appendix F).

#### **8. Bobwhite release**

In early June, Ken Prestwich and Tom Walker released 20 bobwhites into NATL. Until 24 August, their calls were often heard along with a handful of sightings (Appendix G). The bobwhites released were obtained from a captive colony. These reared individuals are unlikely to establish a viable colony in NATL. The potential for using wild individuals for future releases was discussed.

#### **9. Upland pine restoration**

Over the past growing season, 2,000 wiregrass and 250 lopsided indiagrass plugs were planted. Leda Kobizar and Alan Long met with Ken Prestwich, Tom Walker and Lary Reeves in August to discuss burn possibilities in NATL. Alan has retired and Leda intends to use burns in NATL's upland pine to demonstrate burn differences to her classes. Use of restricted area burns as teaching tools should prove to be a good addition to NATL.

#### **10. NAP Gully**

The storm water-created gully in the Natural Area Park is to be filled at the beginning of the following week. Fixing the gully will be a joint project of NAAC, PPD and the Cultural Plaza. The NAAC and the Cultural Plaza will each contribute \$380 to pay for clay fill and sod. PPD will provide the labor, a large pipe and a concrete drop box.

#### **11. Invasives**

Since 2008, Bob Guggenheim has been charged with invasive control in NATL. However, because of a knee injury, he has recently had to resign from the position.

**Cogon grass:** In 2009, 36 problem areas were identified, and more than 1,200 patches of the plant were treated. As of August 2010 only 2 patches (2 plants) remained (and were treated).

**Skunk Vine:** 2 original infested areas with 125 patches were treated in 2009. As of August 2010, none were found.

**Coral Ardisia:** In 2009 ~1,500 plants were pulled up. Since then, 316 were discovered (and removed). Removal continues to be a challenge with upcoming control measures planned. Sites where Ardisia occurs have been mapped and staked with pink flagging. Erick Smith assisted with Ardisia control by providing the recipe for an effective herbicidal spray and has offered to assist on future control efforts.

**Guinea grass:** Discovered in 2009 and has been an issue in the upland pine habitat. Fortunately, the plant is easily pulled up.

## 12. Fiscal Plan

See attachments for summary (Appendices H, I, J). The minigrant offer has been delayed until the availability of funds is more certain. It will be prudent to keep \$1,000 reserved for invasive control. Additionally, the reliability of the Trailmaster unit is still being evaluated. If it is deemed useful, additional units may be purchased.

## 5:05PM Meeting adjourns

### Appendix A: Meeting Agenda

## Natural Areas Advisory Committee Fall Meeting 10 September 2010

### Introductions

Current NATL Graduate TA: Lary Reeves; Undergraduate TA: Elizabeth Wells

New NATL Vice-Chair: Dan Fitzpatrick

Recognition of past NATL Graduate TA: Geoff Gallice (ENY)

### Graduate TA report

- Nature trails

  - New photosigns

  - Trail upgrades

- Wiregrass planted

- Alligator warning sign

### Mini-Grants updates

- SEEP trail signs

- Tree frogs

### New gridmaps

New wayfinding signs

People counter update

- July success

- August failure

Release of bobwhite quail in NATL

Upland pine restoration (Tom)

Control of principal invasives (Tom)

NAP gully (Tom)

### Fiscal affairs

- Final financial report for FY 2009-2010

- Financial Plan for FY 2010-2011

Additional business

## Appendix B: Example Trail Sequence

UPLAND PINE NATURE TRAIL (7 sep 2010)								
WayMark	Type	Common name or Subject	Genus	Species	Sign Displayed	Notes	Action	Who?
		(n)=academic guide station no.						
<b>Welcome kiosk</b>								
		NATL brochures (in stock and fresh?)						
		(Dog Policy)(Bobwhite sign)			(yes)	(ok)		
	11x8 tx	Not burned in >60 years			yes	ok		
	11x8 tx	Burned 10 times since 1995			yes	ok		
<b>UP kiosk</b>								
		Academic Guide to UPNT (in stock and fresh?)						
(1)	11x8 tx	Restoration progress			yes	ok		
	11x8 tx	Trail signs			yes	ok		
	5x4 ps	Carolina Wild Petunia	<i>Ruellia</i>	<i>caroliniensis</i>	yes	ok		
	11x8 tx	Key to flag colors			yes	ok		
	5x4 ps	Pine Sawfly damage	<i>Neodiprion</i>	<i>sp.</i>	no		make draft sign	TW
	11x8 tx	"Restoration Island"			yes	ok		
	11x8 tx	Missing age classes			yes	ok		
	11x8 tx	Planted wiregrass			yes	ok		
	11x5 lbl	Loblolly Pine	[large distant tree]		yes	ok		
	8x5 ps	Longleaf Pine	<i>Pinus</i>	<i>palustris</i>	yes	ok		
(2)	11x8 tx	Out of place loblollies			yes	ok		
	8x5 ps	Loblolly Pine	<i>Pinus</i>	<i>taeda</i>	yes	ok		
	11x5 lbl	Longleaf Pine	[large distant tree]		yes	ok		
	5x4 ps	Tread-softly*	<i>Cnidioscolus</i>	<i>stimulosus</i>	yes		replace with batch 2 sign	TA
	5x4 ps	Whitemouth Dayflower	<i>Commelina</i>	<i>erecta</i>	yes		remove sign, plant not present	TA
	8x5 ps	Southern Red Oak	<i>Quercus</i>	<i>falcata</i>	yes	ok		
	5x4 ps	Bracken Fern	<i>Pteridium</i>	<i>aquilinum</i>	yes	ok		
	8x5 ps	Turkey Oak	<i>Quercus</i>	<i>laevis</i>	yes	ok		
	5x4 ps	American Beautyberry	<i>Callicarpa</i>	<i>americana</i>	yes	ok		
	5x4 ps	Florida Dandelion	<i>Pyrhopappus</i>	<i>carolinianus</i>	no	my pic 10/54	draft shows wrong foliage	TA
	5x4 ps	Butterflyweed	<i>Asclepias</i>	<i>tuberosa</i>	yes		plants dead, remove sign	
(3)	5x4 ps	Cherokee Bean [no flowers]	<i>Erythrina</i>	<i>herbacea</i>	no		make draft sign	TA
	11x8 tx	Seed crops & early mortality			yes	ok		
	11x8 tx	Photo-station E4			yes	ok		
<b>Stake E4</b>								
	5x4 ps	Fiddler's Spurge	<i>Poinsettia</i>	<i>heterophylla</i>	yes	ok		
	5x4 ps	Virginia Creeper	<i>Parthenocissus</i>	<i>quinquefolia</i>	yes	ok		
	5x4 ps	Wiregrass	<i>Aristida</i>	<i>stricta</i>	yes	ok		
	5x4 ps	Gulf Muhlygrass*	<i>Muhlenbergia</i>	<i>capillaris</i>	yes	ok		
	5x4 ps	Partridge Pea	<i>Chamaecrista</i>	<i>fasciculata</i>	yes		Print sign showing flowers	TA
	5x4 ps	Sensitive Brier	<i>Mimosa</i>	<i>quadrivalvis</i>	yes	ok		
(4)	11x8 tx	Resin flow			yes	ok		
	8x5 ps	Mockernut Hickory	<i>Carya</i>	<i>alba</i>	yes		renew yellow flagging	TA
	5x4 ps	Peruvian Primrosewillow	<i>Ludwigia</i>	<i>peruviana</i>	yes	ok		
	5x4 ps	Tall Elephantsfoot	<i>Elephantopus</i>	<i>elatus</i>	yes	ok		
	5x4 ps	Husk Tomato	<i>Physalis</i>	<i>pubescens</i>	yes	ok		
	5x4 ps	Purple Passionflower	<i>Passiflora</i>	<i>incarnata</i>	yes	ok		
(5)	5x4 ps	American Pokeweed(w/berries)	<i>Phytolacca</i>	<i>americana</i>	yes	ok		
(6)	11x8 tx	Grass stage longleaf pine			yes	ok		
	5x4 ps	Prairie Fleabane	<i>Erigeron</i>	<i>strigosus</i>	yes	ok		
	5x4 ps	Oblongleaf Twin Flower	<i>Dyschoriste</i>	<i>oblongifolia</i>	yes	ok	No flowers, show foliage	TA
	11x8 tx	Rocket stage longleaf pine			yes	ok		
	5x4 ps		<i>Senna</i>	<i>sp.</i>	no		make draft sign	TA
	5x4 ps	Netleaf Leather-flower	<i>Clematis</i>	<i>reticulata</i>	yes		replace with batch 2 sign	TA
	11x8 tx	Lost pines			yes	ok		
<b>Main Trail</b>								
	11x8 tx	Trail continues			yes	ok		
	5x4 ps	Queen-devil	<i>Hieracium</i>	<i>gronovii</i>	yes	ok		
	5x4 ps	Rattle-box	<i>Crotalaria</i>	<i>sp.</i>	no		make draft sign	TA
	5x4 ps	Man-of-the-Earth (3-flower pic)	<i>Ipomoea</i>	<i>pandurata</i>	yes	ok		
(7)	11x8 tx	Half-burned R. I.			yes		weed pine seedlings	TA
	5x4 ps	Spurred Butterfly Pea	Centrosema	virginianum	yes	ok		
(8)	11x8 tx	Wildlife			yes	ok		
	11x8 tx	Firebreak			yes	ok		
<b>Firebreak</b>								
	11x8 tx	Trail continues			yes	ok		
	11x8 tx	Burned once in >60 years			yes	ok		
	11x8 tx	Survivor of 1995 girdling			yes	ok		
	11x8 tx	Unrestored upland pine			yes		repair yellow&blue flagging	TA
	8x5 ps	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	yes	ok		
	8x5 ps	Laurel Oak	<i>Quercus</i>	<i>hemisphaerica</i>	yes	ok		
	11x8 tx	Hurricane-downed longleaf			yes	ok		
	11x8 tx	Evidence of 1995 fire			yes		edit: 14 years and date sign	TW
	11x8 tx	Trail ends			yes	ok		
<b>Main Trail</b>								
		* This is the NATL common name but not the one on the sign						
		make ps for gulf fritillary since it is so common now						TA

## Appendix C: Fall 2010 NAAC Roster

The current version of the NAAC roster is at <http://natl.ifas.ufl.edu/NAACroster.xls>

<b>Last name</b>	<b>First name</b>	<b>Representing</b>	<b>Email</b>	<b>Campus address</b>	<b>Phone (352-)</b>	<b>Notes</b>
Brown	Mark	Environmental Engineering Science Dept	<a href="mailto:mtb@ufl.edu">mtb@ufl.edu</a>	PO Box 116450	392-2309	
Clark	Mark	Soil and Water Science	<a href="mailto:clarkmw@ufl.edu">clarkmw@ufl.edu</a>	PO Box 110510	392-1804 ext. 319	
Cohen	Matthew	School of Natural Resources & Environment	<a href="mailto:mjc@ufl.edu">mjc@ufl.edu</a>	PO Box 110510	392-1804 ext. 348	
<b>Daniels</b>	<b>Jaret</b>	McGuire Center, FLMNH <b>(NAAC Chair)</b>	<a href="mailto:jdaniels@flmnh.ufl.edu">jdaniels@flmnh.ufl.edu</a>	PO Box 110620	273-2022	
Dickson	Donald	Entomology & Nematology Department	<a href="mailto:dwd@ufl.edu">dwd@ufl.edu</a>	PO Box 110620	273-3938	
Fitzpatrick	Dan	Entomology & Nematology Student Organization	<a href="mailto:dmfitz9@ufl.edu">dmfitz9@ufl.edu</a>	PO Box 110621	273-3965	
Gommermann	Luke	Wetlands Club	<a href="mailto:luke04@ufl.edu">luke04@ufl.edu</a>	G158 McCarty A	392-1951 ext 259	
Holland	Stephen	Tourism, Recreation and Sport Management	<a href="mailto:sholland@hhp.ufl.edu">sholland@hhp.ufl.edu</a>	PO Box 118208	392-4042 ext 1313	
Jacobson	Susan	Wildlife Ecology & Conservation Department	<a href="mailto:jacobson@ufl.edu">jacobson@ufl.edu</a>	PO Box 110430	846-0562	
Jones	Linda	School of Teaching and Learning	<a href="mailto:lcjones@coe.ufl.edu">lcjones@coe.ufl.edu</a>	PO Box 117048	392-0761 ext. 267	
Kimbrough	Jim	Plant Pathology	<a href="mailto:jwk@ifas.ufl.edu">jwk@ifas.ufl.edu</a>	PO Box 110680	392-2158	
Kitajima	Kaoru	Biology Department	<a href="mailto:kitajima@botany.ufl.edu">kitajima@botany.ufl.edu</a>	PO Box 118526	392-4234	
Kobziar	Leda	Forest Resources & Conservation	<a href="mailto:lkobziar@ufl.edu">lkobziar@ufl.edu</a>	PO Box 110410	846-0901	
Levey	Doug	Biology Department	<a href="mailto:dlevey@ufl.edu">dlevey@ufl.edu</a>	PO Box 118525	392-9169	
Lewis	Erik	Facilities Planning and Construction	<a href="mailto:etlewis@ufl.edu">etlewis@ufl.edu</a>	PO Box 115050	273-4011	
Prestwich	Ken	NATL Super Volunteer	<a href="mailto:kprestwi@holycross.edu">kprestwi@holycross.edu</a>	none		
Putz	Jack	Biology Department	<a href="mailto:fep@botany.ufl.edu">fep@botany.ufl.edu</a>	PO Box 118526	392-1486	
Reeves	Lary	NATL Graduate Teaching Assistant	<a href="mailto:laryreeves@gmail.com">laryreeves@gmail.com</a>	PO Box 110620	514-2794	non-voting
Sensbach	Beverly	Florida Museum of Natural History	<a href="mailto:sensbach@flmnh.ufl.edu">sensbach@flmnh.ufl.edu</a>	PO Box 112710	273-2087	
Smith	Erick	Friend of NATL	<a href="mailto:edsmith@ufl.edu">edsmith@ufl.edu</a>	none	380-0648	
Walker	Tom	NATL Administrative Assistant	<a href="mailto:tjw@ufl.edu">tjw@ufl.edu</a>	PO Box 112015	273-3920	
Wells	Elizabeth	Undergraduate Teaching Assistant	<a href="mailto:ehawells@gmail.com">ehawells@gmail.com</a>			non-voting
Young	Tim	Chair of Lakes, Vegetation, and Landscaping Com.	<a href="mailto:tmyoung@ufl.edu">tmyoung@ufl.edu</a>	PO Box 110621	392-1521 ext 206	



# NATL Grid Map

## Appendix D: Updated NATL Grid Map

### 50-Meter Grid

Locations in NATL can be specified by reference to a grid system based on north-south gridlines (A-O) and east-west gridlines (1-12). Gridlines are at 50-m intervals. Each gridline intersection ("grid point") is identified by its two gridlines (e.g., E5). Each 50x50-m block formed by the gridlines is identified by the grid point in its northwest corner (e.g., block G9 is north of Gasline Trail and west of the Surge Area).

### Public and Restricted Areas

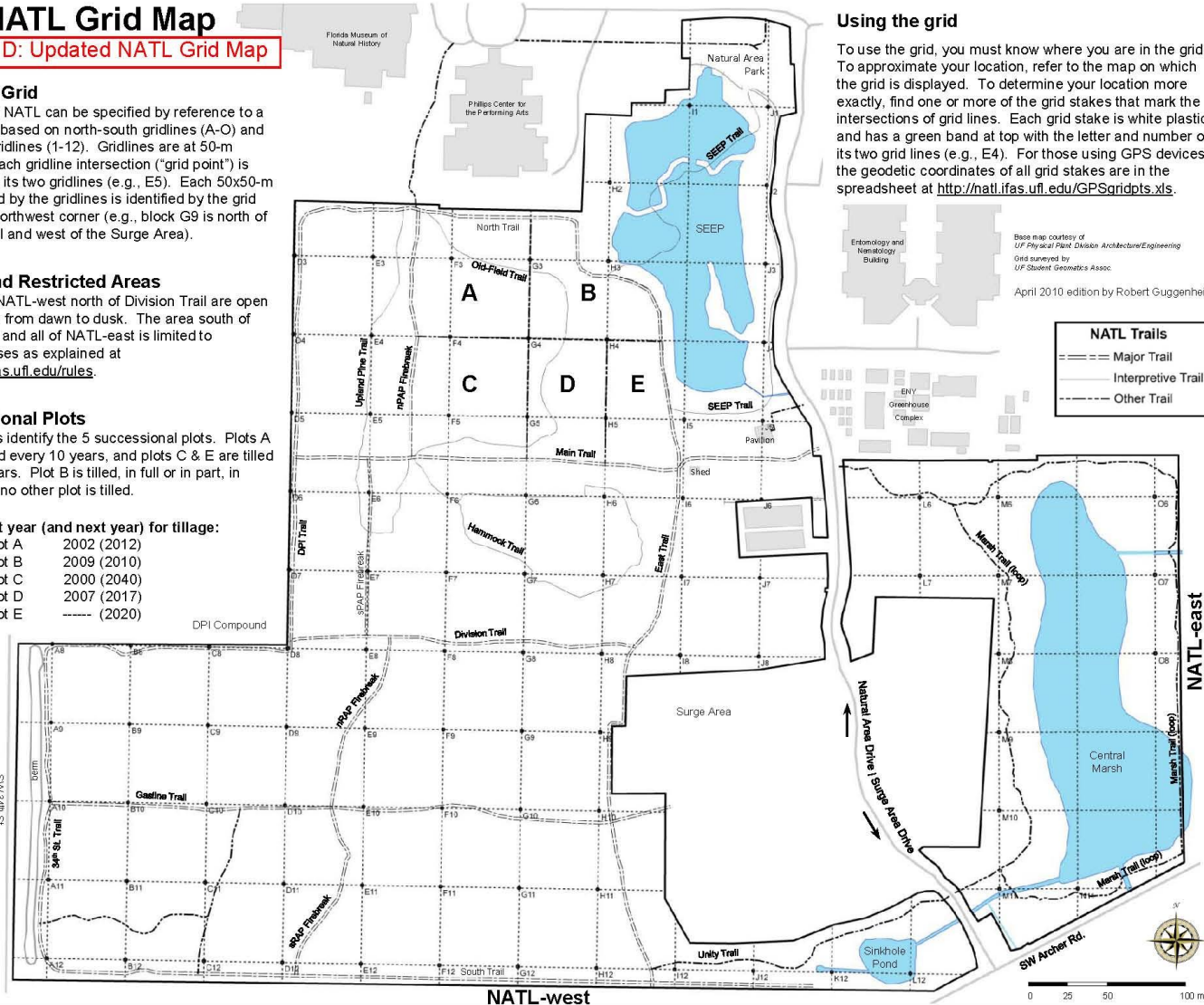
All parts of NATL-west north of Division Trail are open to the public from dawn to dusk. The area south of division trail and all of NATL-east is limited to academic uses as explained at <http://natl.ifas.ufl.edu/rules>.

### Successional Plots

Large letters identify the 5 successional plots. Plots A & D are tilled every 10 years, and plots C & E are tilled every 40 years. Plot B is tilled, in full or in part, in years when no other plot is tilled.

### Most recent year (and next year) for tillage:

Plot A	2002 (2012)
Plot B	2009 (2010)
Plot C	2000 (2040)
Plot D	2007 (2017)
Plot E	----- (2020)



### Using the grid

To use the grid, you must know where you are in the grid. To approximate your location, refer to the map on which the grid is displayed. To determine your location more exactly, find one or more of the grid stakes that mark the intersections of grid lines. Each grid stake is white plastic and has a green band at top with the letter and number of its two grid lines (e.g., E4). For those using GPS devices, the geodetic coordinates of all grid stakes are in the spreadsheet at <http://natl.ifas.ufl.edu/GPSgridpts.xls>.

**Appendix E: Updated NATL-west Grid Map**

# NATL-west Grid Map

## 50-Meter Grid

Locations in NATL can be specified by reference to a grid system based on north-south gridlines (A-O) and east-west gridlines (1-12). Gridlines are at 50-m intervals. Each gridline intersection ("grid point") is identified by its two gridlines (e.g., E5). Each 50x50-m block formed by the gridlines is identified by the grid point in its northwest corner (e.g., block G9 is north of Gasline Trail and west of the Surge Area).

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## Successional Plots

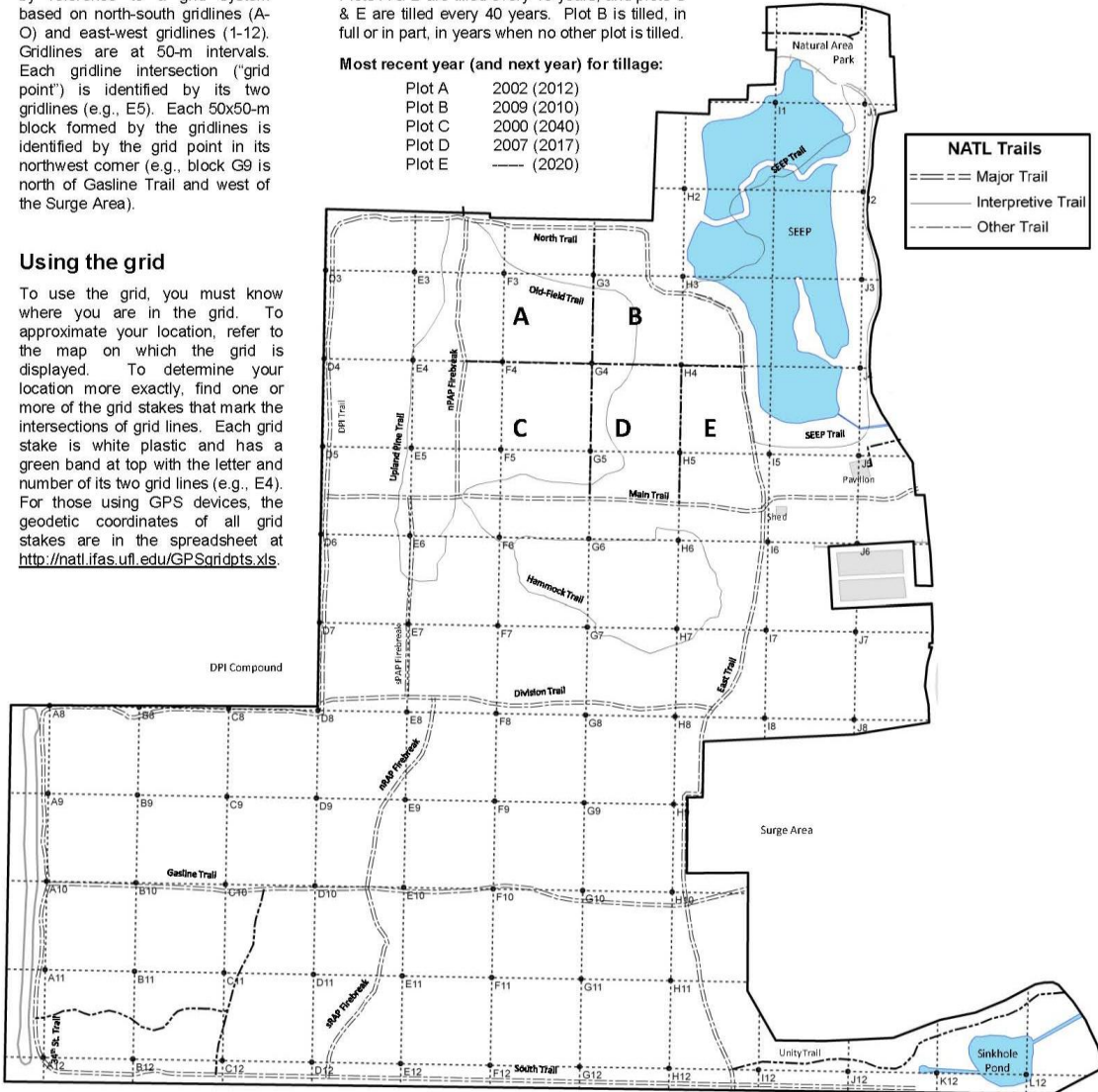
Large letters identify the 5 successional plots. Plots A & D are tilled every 10 years, and plots C & E are tilled every 40 years. Plot B is tilled, in full or in part, in years when no other plot is tilled.

### Most recent year (and next year) for tillage:

Plot A	2002 (2012)
Plot B	2009 (2010)
Plot C	2000 (2040)
Plot D	2007 (2017)
Plot E	— (2020)

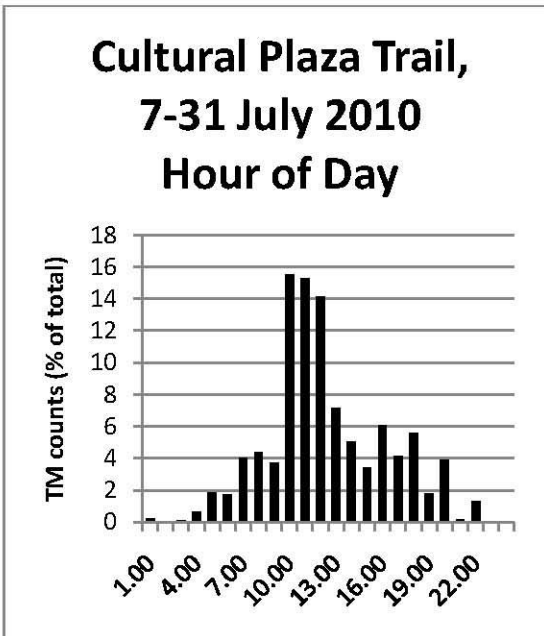
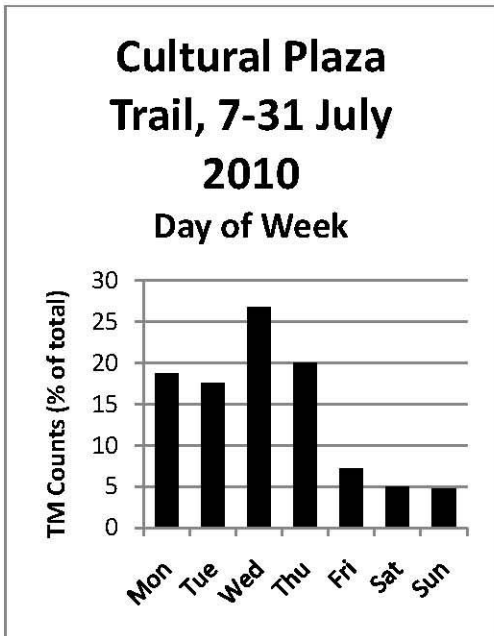
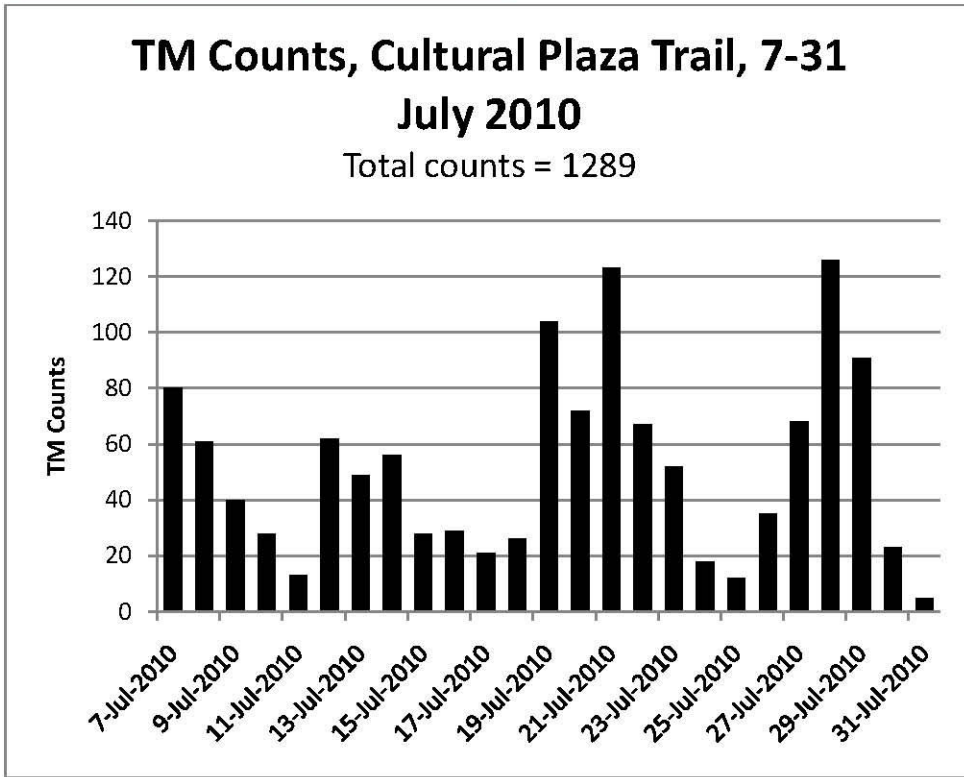
## Public and Restricted Areas

All parts of NATL-west north of Division Trail are open to the public from dawn to dusk. The area south of division trail and all of NATL-east is limited to academic uses as explained at <http://natl.ifas.ufl.edu/rules>.



Grid surveyed by  
 UF Student Geomatics Assoc.  
 Map created by  
 Robert Guggenheim -May 2010

**Appendix F: Trailmaster July Data**





### Appendix G: Notes on Bobwhite Quail Release

2 June 2010	Ken Prestwich and Tom Walker released 17 male and 1 female in OF Plot A. Two females left in cage to insure that males stay in area.
4 Jun 2010	Other two hens released
8-24 Jun 2010	At least one female and several males seen in Old Field area
25 Jun 2010	Tom Walker, while in north Public Area Pine [nPAP] near noon, heard three males calling and answering with one probably in the UP area near Main Trail and the other two in Plots A and C.
27 Jun 2010	Tom Walker, while in nPAP in mid afternoon, heard four males calling and answering with one definitely in nPAP near Main Trail
6 Jul 2010	Tom Walker saw a female and an accompanying male on the SEEP side of the SEEP NT where it lies on the east edge of Plot B
14 Jul 2010	Bob Guggenheim saw a male and female in Plot B.
26 Jul 2010	Bob Guggenheim heard two males (in Plots A and C)
27 Jul 2010	Ivor Kincaid was surprised to hear two males from near Powell Hall (but in NATL)
6 Aug 2010	While in north part of nPAP, Lary Reeves heard two males (in Plots A and C?).
17 Aug 2010	Dan Fitzpatrick, Lary Reeves, and Elizabeth Wells saw one male east of nPAP (in old-field plots)
24 Aug 2010	Dan Fitzpatrick saw one male east of nPAP.

### Appendix H: Fiscal Plan and Final Report

#### NATL Fiscal Plan for FY 2009-10

<b>Funds available for 2009-10 (excluding stipend for TA*)</b>			
Brought forward from 2008-09		309	
Projected income for 2009-10			
Provost	2100		
NATL endowment	4800		
Sum		6900	
<b>Grand Total</b>			<b>\$7,209</b>
<b>Spending plan for 2009-10</b>			
Budgeted			
Routine expenses	1000		
Undergraduate assistant	3952		
Minigrant program	1000		
Soil pit	500		
Sum		6452	
Reserved		757	
<b>Grand Total</b>			<b>\$7,209</b>

\* The CALS dean will pay the stipend of the NATL Graduate Teaching Assistant (ca. \$20,100)

#### Final Report for FY 2009-10

<b>Funds available for 2009-10 (excluding stipend for TA*)</b>			
Brought forward from 2008-09		426	
Projected income for 2009-10			
Provost	2100		
NATL endowment	4380		
Sum		6480	
<b>Grand Total</b>			<b>\$6,905</b>
<b>Actual spending in FY 2009-10</b>			
Spent or encumbered			
Routine expenses	2007		
2000 Nature trail fliers	243		
Grass plugs for UP restoration	845		
Wayfinding signs	305		
Elizabeth Wells (Sep-Apr)	820		
Robert Guggenheim (Jun)	213		
Minigrant program	1000		
Sum		5433	
Not spent or encumbered		1473	
<b>Grand Total</b>			<b>\$6,905</b>

\* The CALS dean paid the stipend of the NATL Graduate Teaching Assistant

**Appendix I: Fiscal Plan Details**

NATURAL AREA ADVISORY COMMITTEE FISCAL REPORT FOR FY2009-10					
T. J. Walker, 29 July 2010					
Date	Item	Source/Vender	Credits	Debits	Balance
1-Jul-09	Brought forward (sum of EYN Accts #1071 and #13856)				\$425.88
1-Jul-09	refund from Marissa Streifel payments	ENY fiscal office	34.54		460.42
8-Jul-09	color laser copying for NT signs	Target Copy		6.35	454.07
9-Jul-09	color laser copying for NT signs	Target Copy		8.46	445.61
15-Jul-09	patch left rear Gator tire	Town Tire Commercial		22.00	423.61
21-Jul-09	color laser copying for NT signs	Target Copy		5.25	418.36
22-Jul-09	cordless drill, drill bits, 4 pcs conduit	Lowe's		174.14	244.22
23-Jul-09	gray PVC sheets for outdoor labels	United States Plastics Corp.		46.48	197.74
28-Jul-09	transfer from endowment	UF Foundation	1,200.00		1,397.74
29-Jul-09	spray adhesive, Arrow staple gun, stapler	Lowe's		28.10	1,369.64
31-Jul-09	47 color laser copies for UPNT	Target Copy		35.25	1,334.39
3-Aug-09	25 18" galvanized stake signs	Gemplers		52.23	1,282.16
6-Aug-09	plywood for signs, allenwrenches, conduit for stakes	Lowe's		58.36	1,223.80
10-Aug-09	color laser copying for stake signs	Target Copy		6.35	1,217.45
19-Aug-09	gasoline for Gator	Newberry Shell		13.66	1,203.79
21-Aug-09	2009-10 routine expense money	Office of the Provost	2100.00		3,303.79
27-Aug-09	color laser copying for NT signs	Target Copy		3.18	3,300.61
28-Aug-09	buy and install tube in left rear Gator tire	Town Tire Commercial		22.08	3,278.53
7-Sep-09	Canon MP240 printer/scanner	Best Buy		74.71	3,203.82
24-Sep-09	color laser copying for stake signs	Target Copy		15.22	3,188.60
28-Sep-09	2x4's for sign stakes, bug spray, bungie cords	Lowe's		19.39	3,169.21
29-Sep-09	encumber pay for Elizabeth Wells	ENY fiscal office		820.00	2,349.21
5-Oct-09	color laser copying for NT signs	Target Copy		3.18	2,346.03
8-Oct-09	transfer from endowment	UF Foundation	1,060.00		3,406.03
12-Oct-09	hand pruner, gas can, oil for chainsaw mix and bar	Lowe's		42.29	3,363.74
15-Oct-09	color laser copying for NT signs	Target Copy		4.23	3,359.51
15-Oct-09	steel box for trail master	Sam's Club		23.29	3,336.22
21-Oct-09	hand pruner	Lowe's		18.98	3,317.24
26-Oct-09	hardhat for chainsawing, flags, flagging, gloves	Forestry Suppliers		96.56	3,220.68
26-Oct-09	solo sprayer and safety goggles	Lowe's		95.91	3,124.77
2-Nov-09	C cells for Trail Master people counter	Lowe's		19.94	3,104.83
17-Nov-09	batteries for GPS device	diguniverse.com		48.81	3,056.02
17-Nov-09	lag screws and deck screws	Lowe's		8.99	3,047.03
23-Nov-09	concrete mix	Lowe's		2.98	3,044.05
24-Nov-09	hardware for people counter	Lowe's		8.99	3,035.06
9-Dec-09	Minigrant to Michael Granatosky	NAAC vote		500.00	2,535.06
16-Dec-09	ink cartridges for Canon printer	Amazon		48.43	2,486.63
17-Dec-09	6 16-ft boards for repair of corral fences	Alachua Farm and Lumber		44.94	2,441.69
6-Jan-10	50 18" galvanized sign holders	Gemplers		95.28	2,346.41
13-Jan-10	transfer from endowment	UF Foundation	1,059.00		3,405.41
18-Jan-10	3/4" PT plywood for signs	Lowe's		29.97	3,375.44
15-Feb-10	pink flags for ardisia control project	Forestry Suppliers		26.60	3,348.84
16-Feb-10	pine boards for making photosign storage rack	Lowe's		11.84	3,337.00
22-Feb-10	gasoline for Gator	Marathon on Newberry		14.82	3,322.18
24-Feb-10	plastic paper and pink flags	Forestry Suppliers		75.80	3,246.38
2-Mar-10	Minigrant for SEEP signs	NAAC vote		250.00	2,996.38
8-Mar-10	boards for NATL-e bridges, gloves, flat steel	Lowe's		69.03	2,927.35
12-Mar-10	3x2 ft sign for Cultural Plaza trail	ColorReflections		133.00	2,794.35
12-Mar-10	35 5x4 inch photosigns	ColorReflections		155.00	2,639.35
15-Mar-10	boards for NATL-e bridge&trash baffle; SS screws	Lowe's		32.12	2,607.23
17-Mar-10	board for trash baffle in NATL-e	Lowe's		5.97	2,601.26
29-Mar-10	concrete and aluminum for display stand on CP trail	Lowe's		19.80	2,581.46
12-Apr-10	transfer from endowment	UF Foundation	1,060.58		3,642.04
16-Apr-10	UP grass plugs for June	Urban Forest Services		425.00	3,217.04
30-Apr-10	12 laser-printed text signs for UP & OF NTs	Target Copy		12.69	3,204.35
30-Apr-10	2000 nature trail fliers	uprinting.com		243.13	2,961.22
14-May-10	100 stainless lag bolts for mounting signs	Bolt Depot		49.22	2,912.00
14-May-10	2000 wiregrass plugs (encumbered for Sept pickup)	Andrews Nursery		420.00	2,492.00
17-May-10	vinyl flags and waterproof paper	Forestry Suppliers		101.45	2,390.55
18-May-10	photosign printing	Target Copy		3.05	2,387.50
28-May-10	5 lb. mattock for KP to remove smilax rhizomes	Lowe's		29.96	2,357.54
8-Jun-10	18 NATL-e wayfinding signs	ColorReflections		305.00	2,052.54
10-Jun-10	photosign printing	Target Copy		7.60	2,044.94
17-Jun-10	photosign printing	Target Copy		8.67	2,036.27
22-Jun-10	posts & hardware for wayfinding signs in NATL-e, etc.	Lowe's		88.29	1,947.98
25-Jun-10	gasoline for Gator	Shell		12.41	1,935.57
30-Jun-10	Bob Guggenheim, 4h/wk, 1-30 Jun 2010	Operations Committee vote		213.00	1,722.57
30-Jun-10	Balance at end of FY (sum of Accts #1071 and #13856)				1,722.57
2-Mar-10	Pledged for printing and installing Minigrant signs	NAAC		250.00	
1-Jul-10	Available for FY 2010-11 (not pledged or encumbered)				\$1,472.57

Appendix J: 2010-11 Fiscal Plan

<b>NATL Fiscal Plan for FY 2010-11</b>				
	7 Sep 2010 draft			
<b>Funds available for 2010-11 (excluding stipend for Graduate TA*)</b>				
	Brought forward from 2009-10		1473	
	Projected income for 2009-10			
	Provost	2100		
	NATL endowment	4256		amount based on 1st quarterly payment for FY 2010-11
	Sum		6356	
	<b>Grand Total</b>			<b>\$7,829</b>
<b>Spending plan for 2010-11</b>				
	Budgeted			
	New wayfinding signs for NATL	900		
	Elizabeth Wells	1050		
	Bob Guggenheim	540		July 1 to Sept 30 (originally to be until Nov. 30)
	Elimination of NAP gully	380		needs NAAC approval
	Routine expenses	2000		based on expenditures during last two FYs
	Minigrant	500		delay offering until needed funds are more certain
	TrailMaster unit	300		test of first unit incomplete; delay until needed funds are certain
	Sum		5670	
	Reserved (and possible need and uses)		2159	
	non-work-study UG TA (\$2400 more)			would cover the last 3/4 of the fiscal year
	2nd new TrailMaster Unit (\$300)			
	2nd Minigrant (\$500)			
	NATL-e development (\$500)			
	invasive control (\$1000)			
	<b>Grand Total</b>			<b>\$7,829</b>
* The CALS dean will pay the stipend of the NATL Graduate Teaching Assistant (ca. \$21,000)				
				is "ca \$21,000" now too low?