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Return of Private Foundation
or Section 4947(a)(1) Nonexempt Charitable Trust
Treated as a Private Foundation

Note. The foundation may be able to use a copy of this return to satisfy state reporting requirements

2010For calendar year **2010**, or tax year beginning **January 01**, 2010, and ending **December 31**, 20 **10**G Check all that apply: ☒ Initial return ☐ Initial return of a former public charity ☐ Final return
☐ Amended return ☐ Address change ☐ Name change

Name of foundation Ichauway, Inc. aka Joseph W. Jones Ecological Research Center		A Employer identification number 58-1824778
Number and street (or P O box number if mail is not delivered to street address) 3988 Jones Center Drive	Room/suite	B Telephone number (see page 10 of the instructions) 229 734-4706
City or town, state, and ZIP code Newton, GA 39870		C If exemption application is pending, check here ☐
H Check type of organization: ☒ Section 501(c)(3) exempt private foundation ☐ Section 4947(a)(1) nonexempt charitable trust ☐ Other taxable private foundation		D 1. Foreign organizations, check here ☐ 2. Foreign organizations meeting the 85% test, check here and attach computation ☐
I Fair market value of all assets at end of year (from Part II, col. (c), line 16) \$ 6,620,216	J Accounting method: ☐ Cash ☒ Accrual ☐ Other (specify) _____	E If private foundation status was terminated under section 507(b)(1)(A), check here ☐ F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ☐

Part I Analysis of Revenue and Expenses (The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a) (see page 11 of the instructions))		(a) Revenue and expenses per books	(b) Net investment income	(c) Adjusted net income	(d) Disbursements for charitable purposes (cash basis only)
1	Contributions, gifts, grants, etc., received (attach schedule)	552,003			
2	Check ☐ if the foundation is not required to attach Sch. B				
3	Interest on savings and temporary cash investments	47,444	47,444	47,444	
4	Dividends and interest from securities	0	0	0	
5a	Gross rents	240	240	240	
b	Net rental income or (loss)	240			
6a	Net gain or (loss) from sale of assets not on line 10	3,130			
b	Gross sales price for all assets on line 6a	3,130			
7	Capital gain net income (from Part IV, line 2)		0		
8	Net short-term capital gain			0	
9	Income modifications			0	
10a	Gross sales less returns and allowances	0			
b	Less: Cost of goods sold	0			
c	Gross profit or (loss) (attach schedule)	0		0	
11	Other income (attach schedule)	0	0	0	
12	Total. Add lines 1 through 11	602,817	47,684	47,684	
13	Compensation of officers, directors, trustees, etc.	0	0	0	0
14	Other employee salaries and wages	4,099,166	67,524	67,524	4,016,860
15	Pension plans, employee benefits	1,606,681	27,010	27,010	1,577,374
16a	Legal fees (attach schedule)	1,188	0	0	1,188
b	Accounting fees (attach schedule)	31,876	11,157	11,157	20,719
c	Other professional fees (attach schedule)	122,560	2,687	2,687	120,975
17	Interest	0	0	0	0
18	Taxes (attach schedule) (see page 14 of the instructions)	134,726	0	0	134,726
19	Depreciation (attach schedule) and depletion	528,133	0	0	
20	Occupancy	400,129	0	0	394,500
21	Travel, conferences, and meetings	128,773	0	0	126,846
22	Printing and publications	10,015	0	0	10,060
23	Other expenses (attach schedule)	1,559,801	0	0	1,604,318
24	Total operating and administrative expenses. Add lines 13 through 23	8,623,048	108,378	108,378	8,007,566
25	Contributions, gifts, grants paid	130,389			132,425
26	Total expenses and disbursements. Add lines 24 and 25	8,753,437	108,378	108,378	8,139,991
27	Subtract line 26 from line 12:				
a	Excess of revenue over expenses and disbursements	-8,150,620			
b	Net investment income (if negative, enter -0-)		0		
c	Adjusted net income (if negative, enter -0-)			0	

Part II Balance Sheets		Attached schedules and amounts in the description column should be for end-of-year amounts only. (See instructions.)		Beginning of year	End of year	
				(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1	Cash—non-interest-bearing		65,720	35,614	35,614
	2	Savings and temporary cash investments		11,338,721	1,855,340	1,855,340
	3	Accounts receivable ▶ 13,112				
		Less: allowance for doubtful accounts ▶ 0		0	13,112	13,112
	4	Pledges receivable ▶ 0				
		Less: allowance for doubtful accounts ▶ 0		0	0	0
	5	Grants receivable		137,713	136,146	136,146
	6	Receivables due from officers, directors, trustees, and other disqualified persons (attach schedule) (see page 15 of the instructions)		0	0	0
	7	Other notes and loans receivable (attach schedule) ▶ 0				
		Less: allowance for doubtful accounts ▶ 0		0	0	0
	8	Inventories for sale or use		0	0	0
	9	Prepaid expenses and deferred charges		68,061	106,203	106,203
	10a	Investments—U.S. and state government obligations (attach schedule)		0	0	0
	b	Investments—corporate stock (attach schedule)		0	0	0
	c	Investments—corporate bonds (attach schedule)		0	0	0
	11	Investments—land, buildings, and equipment: basis ▶ 0				
		Less: accumulated depreciation (attach schedule) ▶ 0		0	0	0
	12	Investments—mortgage loans		0	0	0
	13	Investments—other (attach schedule)		0	1,500,000	1,500,000
	14	Land, buildings, and equipment: basis ▶ 16,826,701				
		Less: accumulated depreciation (attach schedule) ▶ 13,852,900		2,938,978	2,973,801	2,973,801
	15	Other assets (describe ▶)				
	16	Total assets (to be completed by all filers—see the instructions. Also, see page 1, item I)		14,549,193	6,620,216	6,620,216
Liabilities	17	Accounts payable and accrued expenses		333,704	584,577	
	18	Grants payable		0	0	
	19	Deferred revenue		128,105	98,875	
	20	Loans from officers, directors, trustees, and other disqualified persons		0	0	
	21	Mortgages and other notes payable (attach schedule)		0	0	
	22	Other liabilities (describe ▶ 0)		0	0	
	23	Total liabilities (add lines 17 through 22)		461,809	683,452	
Net Assets or Fund Balances		Foundations that follow SFAS 117, check here ▶ ☒ and complete lines 24 through 26 and lines 30 and 31.				
	24	Unrestricted		6,087,384	5,936,764	
	25	Temporarily restricted		8,000,000	0	
	26	Permanently restricted		0	0	
		Foundations that do not follow SFAS 117, check here ▶ ☐ and complete lines 27 through 31.				
	27	Capital stock, trust principal, or current funds				
	28	Paid-in or capital surplus, or land, bldg., and equipment fund				
	29	Retained earnings, accumulated income, endowment, or other funds				
	30	Total net assets or fund balances (see page 17 of the instructions)		14,087,384	5,936,764	
	31	Total liabilities and net assets/fund balances (see page 17 of the instructions)		14,549,193	6,620,216	

Part III Analysis of Changes in Net Assets or Fund Balances

1	Total net assets or fund balances at beginning of year—Part II, column (a), line 30 (must agree with end-of-year figure reported on prior year's return)	1	14,087,384
2	Enter amount from Part I, line 27a	2	-8,150,620
3	Other increases not included in line 2 (itemize) ▶	3	0
4	Add lines 1, 2, and 3	4	5,936,764
5	Decreases not included in line 2 (itemize) ▶	5	0
6	Total net assets or fund balances at end of year (line 4 minus line 5)—Part II, column (b), line 30	6	5,936,764

Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (e.g., real estate, 2-story brick warehouse, or common stock, 200 shs MLC Co)			(b) How acquired P—Purchase D—Donation	(c) Date acquired (mo, day, yr)	(d) Date sold (mo, day, yr)
1a					
b					
c					
d					
e					
(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) (e) plus (f) minus (g)		
a					
b					
c					
d					
e					
Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69			(i) Gains (Col (h) gain minus col (k), but not less than -0-) or Losses (from col (h))		
(i) FMV as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col (i) over col (j), if any			
a					
b					
c					
d					
e					
2 Capital gain net income or (net capital loss)	If gain, also enter in Part I, line 7 If (loss), enter -0- in Part I, line 7		2		
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6): If gain, also enter in Part I, line 8, column (c) (see pages 13 and 17 of the instructions). If (loss), enter -0- in Part I, line 8			3		

Part V Qualification Under Section 4940(e) for Reduced Tax on Net Investment Income

(For optional use by domestic private foundations subject to the section 4940(a) tax on net investment income.)

If section 4940(d)(2) applies, leave this part blank.

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period? ☐ Yes ☒ No
 If "Yes," the foundation does not qualify under section 4940(e). Do not complete this part.

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col (b) divided by col (c))
2009	8,220,233	1,000,000	8.220233
2008	8,390,502	1,000,000	8.390502
2007	8,603,383	1,000,000	8.603383
2006	8,015,180	1,000,000	8.015180
2005	7,803,184	1,000,000	7.803184
2 Total of line 1, column (d)			2 41.032482
3 Average distribution ratio for the 5-year base period—divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years			3 8.206496
4 Enter the net value of noncharitable-use assets for 2010 from Part X, line 5			4 1,000,000
5 Multiply line 4 by line 3			5 8,206,496
6 Enter 1% of net investment income (1% of Part I, line 27b)			6 0
7 Add lines 5 and 6			7 8,206,496
8 Enter qualifying distributions from Part XII, line 4			8 8,381,419

If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate. See the Part VI instructions on page 18.

Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948—see page 18 of the instructions)

1a	Exempt operating foundations described in section 4940(d)(2), check here ☐ and enter "N/A" on line 1. Date of ruling or determination letter: _____ (attach copy of letter if necessary—see instructions)			
b	Domestic foundations that meet the section 4940(e) requirements in Part V, check here ☒ and enter 1% of Part I, line 27b	1		0
c	All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, col. (b).			
2	Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)	2		0
3	Add lines 1 and 2	3		0
4	Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)	4		0
5	Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-	5		0
6	Credits/Payments:			
a	2010 estimated tax payments and 2009 overpayment credited to 2010	6a		0
b	Exempt foreign organizations—tax withheld at source	6b		0
c	Tax paid with application for extension of time to file (Form 8868)	6c		0
d	Backup withholding erroneously withheld	6d		0
7	Total credits and payments. Add lines 6a through 6d	7		0
8	Enter any penalty for underpayment of estimated tax. Check here ☐ if Form 2220 is attached	8		0
9	Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed	9		0
10	Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid	10		0
11	Enter the amount of line 10 to be: Credited to 2011 estimated tax 0 Refunded	11		0

Part VII-A Statements Regarding Activities

	Yes	No
1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		☒
b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes (see page 19 of the instructions for definition)? <i>If the answer is "Yes" to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities.</i>		☒
c Did the foundation file Form 1120-POL for this year?		☒
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. ▶ \$ 0 (2) On foundation managers. ▶ \$ 0		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. ▶ \$ 0		
2 Has the foundation engaged in any activities that have not previously been reported to the IRS? <i>If "Yes," attach a detailed description of the activities.</i>		☒
3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? <i>If "Yes," attach a conformed copy of the changes.</i>		☒
4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?		☒
b If "Yes," has it filed a tax return on Form 990-T for this year?		N/A
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? <i>If "Yes," attach the statement required by General Instruction T.</i>		☒
6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	☒	
7 Did the foundation have at least \$5,000 in assets at any time during the year? <i>If "Yes," complete Part II, col. (c), and Part XV</i>	☒	
8a Enter the states to which the foundation reports or with which it is registered (see page 19 of the instructions) ▶ Georgia		
b If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by <i>General Instruction G</i> ? <i>If "No," attach explanation</i>	☒	
9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2010 or the taxable year beginning in 2010 (see instructions for Part XIV on page 27)? <i>If "Yes," complete Part XIV</i>	☒	
10 Did any persons become substantial contributors during the tax year? <i>If "Yes," attach a schedule listing their names and addresses</i>		☒

Part VII-A Statements Regarding Activities (continued)

11	At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule (see page 20 of the instructions)	11		✓
12	Did the foundation acquire a direct or indirect interest in any applicable insurance contract before August 17, 2008?	12		✓
13	Did the foundation comply with the public inspection requirements for its annual returns and exemption application?	13	✓	
Website address ► N/A				
14	The books are in care of ► P. Russell Hardin	Telephone no. ►	404 522-6755	
	Located at ► 50 Hurt Plaza Suite 1200 Atlanta, GA	ZIP+4 ►	30303	
15	Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 —Check here.	►	☐	
	and enter the amount of tax-exempt interest received or accrued during the year	► 15		N/A
16	At any time during calendar year 2010, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country?	16	Yes	No
	See page 20 of the instructions for exceptions and filing requirements for Form TD F 90-22.1. If "Yes," enter the name of the foreign country ► N/A			✓

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required**File Form 4720 if any item is checked in the "Yes" column, unless an exception applies.**

		Yes	No
1a	During the year did the foundation (either directly or indirectly):		
	(1) Engage in the sale or exchange, or leasing of property with a disqualified person? ☐ Yes ☒ No		
	(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? ☐ Yes ☒ No		
	(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? ☒ Yes ☐ No		
	(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? ☒ Yes ☐ No		
	(5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? ☐ Yes ☒ No		
	(6) Agree to pay money or property to a government official? (Exception. Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days.) ☐ Yes ☒ No		
b	If any answer is "Yes" to 1a(1)–(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance (see page 22 of the instructions)?	1b	✓
	Organizations relying on a current notice regarding disaster assistance check here ► ☐		
c	Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2010?	1c	✓
2	Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)):		
a	At the end of tax year 2010, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2010? ☐ Yes ☒ No		
	If "Yes," list the years ► 20____, 20____, 20____, 20____		
b	Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer "No" and attach statement—see page 22 of the instructions.)	2b	N/A
c	If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here. ► 20____, 20____, 20____, 20____		
3a	Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year? ☐ Yes ☒ No		
b	If "Yes," did it have excess business holdings in 2010 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969; (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest; or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (<i>Use Schedule C, Form 4720, to determine if the foundation had excess business holdings in 2010.</i>)	3b	N/A
4a	Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4a	✓
b	Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2010?	4b	✓

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required (continued)**5a** During the year did the foundation pay or incur any amount to:

- (1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))? ☐ Yes ☒ No
- (2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive? ☐ Yes ☒ No
- (3) Provide a grant to an individual for travel, study, or other similar purposes? ☐ Yes ☒ No
- (4) Provide a grant to an organization other than a charitable, etc., organization described in section 509(a)(1), (2), or (3), or section 4940(d)(2)? (see page 22 of the instructions) ☐ Yes ☒ No
- (5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals? ☐ Yes ☒ No

b If any answer is "Yes" to 5a(1)–(5), did **any** of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance (see page 22 of the instructions)?**5b** N/AOrganizations relying on a current notice regarding disaster assistance check here ☐**c** If the answer is "Yes" to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant? ☐ Yes ☐ No

If "Yes," attach the statement required by Regulations section 53.4945–5(d).

6a Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract? ☐ Yes ☒ No**6b** ✓**b** Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract? ☐ Yes ☒ No

If "Yes" to 6b, file Form 8870.

7a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction? ☐ Yes ☒ No**7b** N/A**b** If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction?**Part VIII** Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors**1** List all officers, directors, trustees, foundation managers and their compensation (see page 22 of the instructions).

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
See attached statement				

2 Compensation of five highest-paid employees (other than those included on line 1—see page 23 of the instructions). If none, enter "NONE."

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
Lindsay R. Boring 3988 Jones Center Drive Newton, GA 39870	Director 40.00	187,460	15,615	9,600
Robert J. Mitchell 3988 Jones Center Drive Newton, GA 39870	Scientist 40.00	151,537	12,623	0
James B. Atkinson 3988 Jones Center Drive Newton, GA 39870	Nat. Res. Manager 40.00	113,612	9,464	0
Becky H. Gay 3988 Jones Center Drive Newton, GA 39870	Bus. Administrator 40.00	107,609	8,964	0
Stephen W. Golladay 3988 Jones Center Drive Newton, GA 39870	Scientist 40.00	105,199	8,763	0
Total number of other employees paid over \$50,000 ☐				13

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors *(continued)***3 Five highest-paid independent contractors for professional services** (see page 23 of the instructions). If none, enter "NONE."

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
NONE		

Total number of others receiving over \$50,000 for professional services **0**

Part IX-A Summary of Direct Charitable Activities

List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.	Expenses
1 Substantially all of the foundation's resources are devoted to the environmental research, education, and conservation programs of the Joseph W. Jones Ecological Research Center	8,139,991
2 See attached report from the Director	0
3	0
4	0

Part IX-B Summary of Program-Related Investments (see page 24 of the instructions)

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2	Amount
1 NONE	0
2	0
All other program-related investments. See page 24 of the instructions	
3	0
Total. Add lines 1 through 3	0

Part X Minimum Investment Return (All domestic foundations must complete this part. Foreign foundations, see page 24 of the instructions.)

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:		
a	Average monthly fair market value of securities	1a	0
b	Average of monthly cash balances	1b	7,549,978
c	Fair market value of all other assets (see page 25 of the instructions)	1c	0
d	Total (add lines 1a, b, and c)	1d	7,549,978
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	0
2	Acquisition indebtedness applicable to line 1 assets	2	0
3	Subtract line 2 from line 1d	3	7,549,978
4	Cash deemed held for charitable activities. Enter 1 1/2 % of line 3 (for greater amount, see page 25 of the instructions)	4	6,549,978
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	1,000,000
6	Minimum investment return. Enter 5% of line 5	6	50,000

Part XI Distributable Amount (see page 25 of the instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations check here ☒ and do not complete this part.)

1	Minimum investment return from Part X, line 6	1	
2a	Tax on investment income for 2010 from Part VI, line 5	2a	
b	Income tax for 2010. (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	
4	Recoveries of amounts treated as qualifying distributions	4	
5	Add lines 3 and 4	5	
6	Deduction from distributable amount (see page 25 of the instructions)	6	
7	Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	

Part XII Qualifying Distributions (see page 25 of the instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:		
a	Expenses, contributions, gifts, etc.—total from Part I, column (d), line 26	1a	8,139,991
b	Program-related investments—total from Part IX-B	1b	0
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	241,428
3	Amounts set aside for specific charitable projects that satisfy the:		
a	Suitability test (prior IRS approval required)	3a	0
b	Cash distribution test (attach the required schedule)	3b	0
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8, and Part XIII, line 4	4	8,381,419
5	Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b (see page 26 of the instructions)	5	0
6	Adjusted qualifying distributions. Subtract line 5 from line 4	6	8,381,419

Note. The amount on line 6 will be used in Part V, column (b), in subsequent years when calculating whether the foundation qualifies for the section 4940(e) reduction of tax in those years.

Part XIII Undistributed Income (see page 26 of the instructions)

	(a) Corpus	(b) Years prior to 2009	(c) 2009	(d) 2010
1 Distributable amount for 2010 from Part XI, line 7				0
2 Undistributed income, if any, as of the end of 2010:				
a Enter amount for 2009 only			0	
b Total for prior years: 20____, 20____, 20____		0		
3 Excess distributions carryover, if any, to 2010:				
a From 2005 None				
b From 2006 None				
c From 2007 None				
d From 2008 None				
e From 2009 None				
f Total of lines 3a through e	0			
4 Qualifying distributions for 2010 from Part XII, line 4: ▶ \$ _____ 0				
a Applied to 2009, but not more than line 2a			0	
b Applied to undistributed income of prior years (Election required—see page 26 of the instructions)		0		
c Treated as distributions out of corpus (Election required—see page 26 of the instructions)	0			
d Applied to 2010 distributable amount				0
e Remaining amount distributed out of corpus	0			
5 Excess distributions carryover applied to 2010 (If an amount appears in column (d), the same amount must be shown in column (a).)	0			0
6 Enter the net total of each column as indicated below:				
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5	0			
b Prior years' undistributed income. Subtract line 4b from line 2b		0		
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed		0		
d Subtract line 6c from line 6b. Taxable amount—see page 27 of the instructions		0		
e Undistributed income for 2009. Subtract line 4a from line 2a. Taxable amount—see page 27 of the instructions			0	
f Undistributed income for 2010. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2011				0
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (see page 27 of the instructions)	0			
8 Excess distributions carryover from 2005 not applied on line 5 or line 7 (see page 27 of the instructions)	0			
9 Excess distributions carryover to 2011. Subtract lines 7 and 8 from line 6a	0			
10 Analysis of line 9:				
a Excess from 2006 0				
b Excess from 2007 0				
c Excess from 2008 0				
d Excess from 2009 0				
e Excess from 2010 0				

Part XIV Private Operating Foundations (see page 27 of the instructions and Part VII-A, question 9)

- 1a** If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2010, enter the date of the ruling 07/25/1989
- b** Check box to indicate whether the foundation is a private operating foundation described in section ☒ 4942(j)(3) or ☐ 4942(j)(5)

2a	Tax year				(e) Total
	(a) 2010	(b) 2009	(c) 2008	(d) 2007	
Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed	0	0	0	50,000	50,000
b 85% of line 2a	0	0	0	42,500	42,500
c Qualifying distributions from Part XII, line 4 for each year listed	8,381,419	8,220,233	8,390,502	8,603,383	33,595,537
d Amounts included in line 2c not used directly for active conduct of exempt activities	0	0	0	0	0
e Qualifying distributions made directly for active conduct of exempt activities. Subtract line 2d from line 2c	8,381,419	8,220,233	8,390,502	8,603,383	33,595,537
3 Complete 3a, b, or c for the alternative test relied upon:					
a "Assets" alternative test—enter:					
(1) Value of all assets					0
(2) Value of assets qualifying under section 4942(j)(3)(B)(i)					0
b "Endowment" alternative test—enter $\frac{2}{3}$ of minimum investment return shown in Part X, line 6 for each year listed	33,333	33,333	33,333	33,333	133,332
c "Support" alternative test—enter:					
(1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)					0
(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)					0
(3) Largest amount of support from an exempt organization					0
(4) Gross investment income					0

Part XV Supplementary Information (Complete this part only if the foundation had \$5,000 or more in assets at any time during the year—see page 28 of the instructions.)**1 Information Regarding Foundation Managers:**

- a** List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000). (See section 507(d)(2).)

None

- b** List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest.

None

2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc., Programs:

Check here ☐ if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc. (see page 28 of the instructions) to individuals or organizations under other conditions, complete items 2a, b, c, and d.

- a** The name, address, and telephone number of the person to whom applications should be addressed:

Lindsay R. Boring
3988 Jones Center Drive Newton, GA 39870 (229) 734-4706

- b** The form in which applications should be submitted and information and materials they should include:

No set application form.

- c** Any submission deadlines:

None, except as established and published for specific programs.

- d** Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

Ecological research, education and conservation that fit the mission of the Center.

Part XV **Supplementary Information (continued)****3 Grants and Contributions Paid During the Year or Approved for Future Payment**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
a <i>Paid during the year</i>				
University of New Hampshire 8 College Road Durham, NH 03824		509(a)(2)	Research	51,293
University of Florida P.O. Box 113001 Gainesville, FL 32611		509(a)(1)	Research	39,620
Virginia Polytechnic Institute and State University 1880 Pratt Drive, Suite 2006 Blacksburg, VA 24060		509(a)(1)	Research	29,213
The Nature Conservancy of Florida 222 South Westmonte Drive, Suite 300 Altamonte Springs, FL 32714		509(a)(2)	Research	9,763
Baker County 4-H Club P.O. Box 220 Newton, GA 39870		509(a)(1)	Misc. Contribution	500
Total			3a	130,389
b <i>Approved for future payment</i>				
Total			3b	0

Part XVI-A Analysis of Income-Producing Activities

Enter gross amounts unless otherwise indicated.

Enter gross amounts unless otherwise indicated.		Unrelated business income		Excluded by section 512, 513, or 514		(e) Related or exempt function income (See page 28 of the instructions)
	(a) Business code	(b) Amount	(c) Exclusion code	(d) Amount		
1 Program service revenue:						
a		0		0		
b		0		0		
c		0		0		
d		0		0		
e		0		0		
f		0		0		
g Fees and contracts from government agencies		0		0		
2 Membership dues and assessments		0		0		
3 Interest on savings and temporary cash investments		0	14	47,444		
4 Dividends and interest from securities		0		0		
5 Net rental income or (loss) from real estate:						
a Debt-financed property		0		0		
b Not debt-financed property		0		0		
6 Net rental income or (loss) from personal property		0	16	240		
7 Other investment income		0		0		
8 Gain or (loss) from sales of assets other than inventory		0	18	3,130		
9 Net income or (loss) from special events		0		0		
10 Gross profit or (loss) from sales of inventory		0		0		
11 Other revenue: a _____		0		0		
b _____		0		0		
c _____		0		0		
d _____		0		0		
e _____		0		0		
12 Subtotal. Add columns (b), (d), and (e)		0		50,814		
13 Total. Add line 12, columns (b), (d), and (e)				13		50,814

(See worksheet in line 13 instructions on page 29 to verify calculations.)

Part XVI-B Relationship of Activities to the Accomplishment of Exempt Purposes

[illegible]

Part XVII Information Regarding Transfers To and Transactions and Relationships With Noncharitable Exempt Organizations

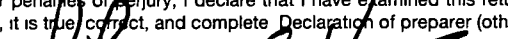
		Yes	No
1	Did the organization directly or indirectly engage in any of the following with any other organization described in section 501(c) of the Code (other than section 501(c)(3) organizations) or in section 527, relating to political organizations?		
a	Transfers from the reporting foundation to a noncharitable exempt organization of:		
	(1) Cash		✓
	(2) Other assets		✓
b	Other transactions:		
	(1) Sales of assets to a noncharitable exempt organization		✓
	(2) Purchases of assets from a noncharitable exempt organization		✓
	(3) Rental of facilities, equipment, or other assets		✓
	(4) Reimbursement arrangements		✓
	(5) Loans or loan guarantees		✓
	(6) Performance of services or membership or fundraising solicitations		✓
c	Sharing of facilities, equipment, mailing lists, other assets, or paid employees		✓
d	If the answer to any of the above is "Yes," complete the following schedule. Column (b) should always show the fair market value of the goods, other assets, or services given by the reporting foundation. If the foundation received less than fair market value in any transaction or sharing arrangement, show in column (d) the value of the goods, other assets, or services received.		

[illegible]

2a Is the foundation directly or indirectly affiliated with, or related to, one or more tax-exempt organizations described in section 501(c) of the Code (other than section 501(c)(3)) or in section 527? ☐ Yes ☒ No

b If "Yes," complete the following schedule.

(a) Name of organization	(b) Type of organization	(c) Description of relationship

Sign Here	Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than taxpayer or fiduciary) is based on all information of which preparer has any knowledge.				
	 Signature of officer or trustee		May 12, 2011 Date		President Title
Paid Preparer Use Only	Print Type preparer's name		Preparer's signature		Date
					Check ☐ if self-employed
	Firm's name ▶		Firm's EIN ▶		PTIN
	Firm's address ▶		Phone no		

Schedule B(Form 990, 990-EZ,
or 990-PF)Department of the Treasury
Internal Revenue Service**Schedule of Contributors**

▶ Attach to Form 990, 990-EZ, or 990-PF.

OMB No 1545-0047

2010**Name of the organization**

Ichauway, Inc

Employer identification number

58-1824778

Organization type (check one):**Filers of:****Section:**

Form 990 or 990-EZ

☐ 501(c)() (enter number) organization☐ 4947(a)(1) nonexempt charitable trust **not** treated as a private foundation☐ 527 political organization

Form 990-PF

☒ 501(c)(3) exempt private foundation☐ 4947(a)(1) nonexempt charitable trust treated as a private foundation☐ 501(c)(3) taxable private foundationCheck if your organization is covered by the **General Rule** or a **Special Rule**.**Note.** Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.**General Rule**

- ☒ For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, \$5,000 or more (in money or property) from any one contributor. Complete Parts I and II.

Special Rules

- ☐ For a section 501(c)(3) organization filing Form 990 or 990-EZ that met the 33 $\frac{1}{3}$ % support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), and received from any one contributor, during the year, a contribution of the greater of (1) \$5,000 or (2) 2% of the amount on (i) Form 990, Part VIII, line 1h or (ii) Form 990-EZ, line 1. Complete Parts I and II.
- ☐ For a section 501(c)(7), (8), or (10) organization filing Form 990 or 990-EZ that received from any one contributor, during the year, aggregate contributions of more than \$1,000 for use *exclusively* for religious, charitable, scientific, literary, or educational purposes, or the prevention of cruelty to children or animals. Complete Parts I, II, and III.
- ☐ For a section 501(c)(7), (8), or (10) organization filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions for use *exclusively* for religious, charitable, etc., purposes, but these contributions did not aggregate to more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Do not complete any of the parts unless the **General Rule** applies to this organization because it received nonexclusively religious, charitable, etc., contributions of \$5,000 or more during the year ▶ \$ _____

Caution. An organization that is not covered by the General Rule and/or the Special Rules does not file Schedule B (Form 990, 990-EZ, or 990-PF), but it **must** answer "No" on Part IV, line 2 of its Form 990, or check the box on line H of its Form 990-EZ, or on line 2 of its Form 990-PF, to certify that it does not meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

Name of organization

Ichauway, Inc

Employer identification number

58-1824778

Part I Contributors (see instructions)

(a) No.	(b) Name, address, and ZIP + 4	(c) Aggregate contributions	(d) Type of contribution
1	Strategic Environmental Research Development Program 801 North Stuart Street, Suite 303 Arlington, VA 22203	\$ 250,084	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
2	National Institute for Climatic Change Research c/o Duke Univ 2200 W Main Street, Suite 710 Durham, NC 27705	\$ 134,669	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
3	The Nature Conservancy - Chattahoochee Fall Line Office P O Box 52452 Ft Benning, GA 31995-2452	\$ 38,212	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
4	National Fish and Wildlife Foundation 1120 Connecticut Ave., NW, Suite 900 Washington, DC 20036	\$ 34,552	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
5	Georgia Department of Natural Resources, Wildlife Resources 2070 U S Highway 278, SE Social Circle, GA 39870	\$ 24,886	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
6	U S Army c/o Moody AFB 23 CES/CEAN 3485 Georgia Street Moody AFB, GA 31699-1707	\$ 19,086	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)

Name of organization

Ichauway, Inc

Employer identification number

58-1824778

Part I Contributors (see instructions)

(a) No.	(b) Name, address, and ZIP + 4	(c) Aggregate contributions	(d) Type of contribution
7	The Nature Conservancy - Sewee to Santee Office P O Box 626 McClellanville, SC 29458	\$ 17,437	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
8	U S Army Corps of Engineers c/o University of Georgia 621 Boyd GSRC Athens, GA 30602-7411	\$ 10,655	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
9	National Wild Turkey Federation P O Box 566 Waynesboro, GA 30830	\$ 9,974	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
10	Georgia Ornithological Society 3851 Ashford Trail Atlanta, GA 30319-1894	\$ 6,093	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II if there is a noncash contribution.)

Name of organization

Employer identification number

Part II Noncash Property (see instructions)

(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (see instructions)	(d) Date received
	None		
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	

Ichauway, Inc.
Form 990-PF, Year 2010, Page 1, Part I, Line 1.
Contributors During 2010

58-1824778

Strategic Environmental Research Development Program 801 North Stuart Street, Suite 303 Arlington, VA 22203	250,084
National Institute for Climatic Change Research c/o Duke University 2200 W Main Street, Suite 710 Durham, NC 27705	134,669
The Nature Conservancy - Chattahoochee Fall Line Office P O Box 52452 Ft Benning, GA 31995-2452	38,212
National Fish and Wildlife Foundation 1120 Connecticut Ave , NW, Suite 900 Washington, DC 20036	34,552
Georgia Department of Natural Resources, Wildlife Resources Division 2070 U S Highway 278, SE Social Circle, GA 39870	24,886
U S Army (Moody AFB) 23 CES/CEAN 3485 Georgia Street Moody AFB, GA 31699-1707	19,086
The Nature Conservancy - Sewee to Santee Office P O Box 626 McClellanville, SC 29458	17,437
U S Army Corps of Engineers c/o University of Georgia 621 Boyd GSRC Athens, GA 30602-7411	10,655
National Wild Turkey Federation P O Box 566 Waynesboro, GA 30830	9,974
Georgia Ornithological Society 3851 Ashford Trail Atlanta, GA 30319-1894	6,093
R Howard Dobbs Jr Foundation c/o Emory University 1599 Clifton Road, 4th Floor Atlanta, GA 30322	3,340
The Greentree Foundation 220 Community Drive Manhasset, NY 11030	2,015
The Pacific Forest Trust 1001-A O'Reilly Avenue San Francisco, CA 94129	1,000

\$	552,003
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Totals										Gross Sales	Cost, other basis and expenses	Net gain or loss	
Index	Check box if gain/loss is from sale of security	Description	CUSIP #	Purchaser	Check box if purchaser is a business	Date acquired	Acquisition method	Date sold	Gross sales price	Cost or other basis (Enter one field only)		Expenses of sale and cost of improvements	Depreciation
										Cost	Donated Value		
1		1994 Ford F150		David Clements	X	7/31/1994	P	2/18/2010	700	18,778			18,778
2		1993 Ford F150		Alf Reese		7/1/1992	P	2/18/2010	588	17,360			17,360
3		1992 Ford F250		Alf Reese		7/1/1992	P	2/18/2010	587	21,240			21,240
4		1992 Ford F150		Charlie Perkins		7/1/1992	P	12/16/2010	605	17,450			17,450
5		1993 Ford F150		Charlie Perkins		7/1/1993	P	12/16/2010	50	16,354			16,354
6		1994 Ford Taurus Wagon		Alf Reese		11/10/2004	P	12/16/2010	600	2,500			2,500
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
									0	0			
									3,130	0			3,130

Line 16(a), Legal Fees

R C. Richardson	\$	1,188
Total	\$	1,188

Line 16(b), Accounting Fees

Deloitte & Touche	\$	31,876
Total	\$	31,876

Line 16(c), Other Professional Fees

Suntrust Investment Fees	\$	2,687
Scientific Advisors		31,625
Service Consultants		88,248
Total	\$	122,560

Line 18, Taxes

Real Estate/Property Taxes	\$	127,245
Baker County Taxes		7,121
Misc Taxes		360
Total	\$	134,726

Line 19 (990-PF) - Depreciation and Depletion

	Description	Date Acquired	Method of Computation	Asset Life	Cost or Other Basis	Beginning Accumulated Depreciation	(a) Revenue and expenses per books	(b) Net Investment Income	(c) Adjusted net Income
1	Buildings and improvements	Various	S/L	10-25 years	8,761,192	6,379,057	239,228	0	0
2	Furniture and fixtures	Various	DDB	5-7 years	745,819	751,781	3,917	0	0
3	Equipment	Various	DDB	7 years	1,836,867	1,666,550	57,556	0	0
4	Vehicles	Various	DDB	5 years	1,541,218	1,336,157	104,322	0	0
5	Lab Equipment	Various	DDB	7 years	1,562,551	1,562,202	49,332	0	0
6	Computer Equipment	Various	DDB	5 years	571,065	695,654	51,138	0	0
7	Infrastructure	Various	DDB	5-15 years	1,241,072	1,204,329	17,674	0	0
8	Other Equipment	Various	DDB	5-7 years	566,917	544,565	4,966	0	0
9									
10									

16,826,701 14,140,295 528,133

Ichauway, Inc.

58-1824778

Form 990-PF, Year 2010, Page 1, Part 1, Line 23(a)(d).

Other Expenses

General Supplies	\$	66,598
Office Supplies		14,506
Misc. Supplies		10,747
Field Supplies		104,409
Grounds Supplies		156,935
Computer Supplies		5,304
Lab Supplies		30,686
Postage		7,853
Library Supplies		21,811
Uniforms		23,387
Fuel		191,114
Memberships & Dues		4,535
Miscellaneous		25,081
Maintenance Contracts		50,239
Equipment Lease		9,092
Contract Services		77,188
Repairs		91,814
Contract Services/Computers		134,575
General Insurance		188,254
Graduate Assistantships		153,610
Minor Equipment		47,721
Maintenance & Repairs		144,342
Total, Line 23(a)	\$	1,559,801
12/31/09 accrual of payables		101,325
12/31/10 accrual of payables		(56,808)
Total, Line 23(d)	\$	1,604,318

Ichauway, Inc.

58-1824778

Form 990-PF, Year 2010, Page 2, Part II, Line 13.

Investments - other

	<u>Date Purchased</u>	<u>Maturity Date</u>	<u>Book Value</u>
CD 1	2/11/2010	2/11/2011	750,000.00
CD 2	2/11/2010	2/11/2011	<u>750,000.00</u>
		Total	1,500,000 00

Part II, Line 14 (990-PF) - Land, Buildings, and Equipment

		16,826,701	14,140,295	13,852,900	2,938,978	2,973,801	2,973,801
	Item or Category	Cost or Other Basis	Accumulated Depreciation beg. Of year	Accumulated Depreciation end Of year	(a) Book value beg. of year	(b) Book value end of year	(c) FMV end of year
1	Buildings and improvements	8,761,192	6,379,057	6,614,063	2,370,745	2,147,129	2,147,129
2	Furniture and Fixtures	745,819	751,781	740,931	8,805	4,888	4,888
3	Equipment	1,836,867	1,666,550	1,702,515	169,409	134,352	134,352
4	Vehicles	1,541,218	1,336,157	1,345,598	193,630	195,620	195,620
5	Lab Equipment	1,562,551	1,562,202	1,407,574	121,711	154,977	154,977
6	Computer Equipment	571,065	695,654	270,273	16,333	300,792	300,792
7	Infrastructure	1,241,072	1,204,329	1,222,003	36,743	19,069	19,069
8	Other Equipment	566,917	544,565	549,943	21,602	16,974	16,974
9							
10							
11							
12							
13							
14							
15							
16							
17							

Ichauway, Inc
Form 990-PF, Year 2010, Page 6, Part VIII, Item 1
Compensation of Officers, Directors and Trustees

58-1824778

(a) Name and Address	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans	(e) Expense account Other allowances
OFFICERS				
P. Russell Hardin 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	President 5 hours per week	\$0	\$0	\$0
J. Lee Tribble 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	Treasurer 5 hours per week	0	0	0
Erik S. Johnson 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	Secretary 5 hours per week	0	0	0
TRUSTEES				
James B. Williams 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	Chairman Trustee 5 hours per week	0	0	0
James M. Sibley 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	V-Chairman 1 hour per week	0	0	0
Wilton Looney 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	Trustee 1 hour per week	0	0	0
Charles H. McTier 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	Trustee 1 hour per week	0	0	0
E. Jenner Wood III 50 Hurt Plaza, Suite 1200 Atlanta, Georgia 30303	Trustee 1 hour per week	0	0	0
Total		\$0	\$0	\$0

Ichauway, Inc.

58-1824778

Form 990-PF, Year 2010, Page 8, Part X, Line 4

Cash held for charitable activities

The organization's budget is funded at a level of revenue and expenses being equal during the fiscal year. However, due to the timing of the procurement of goods and services, and also the timing of contributions, expenditures may not equal revenue during the reporting period. All cash on hand will be used for charitable purposes.

Director's 2010 Annual Report to the Trustees of Ichauway, Inc.



University of Georgia students learn to prescribe burn

April 5, 2011

**Submitted by
Lindsay R. Boring, Ph.D.
Director**

Introduction and Summary

The Joseph W. Jones Ecological Research Center at Ichauway seeks to understand, to demonstrate, and to promote excellence in natural resource management and conservation on the landscape of the southeastern Coastal Plain of the United States.

The Jones Center programs continue to expand and develop new dimensions. We effectively integrate natural resource conservation with our research and education/outreach. Our programs continue to be productive and of high quality, and external funding has increased. The number of scientific publications was sustained, and the quality remained high. The Center sponsored over 40 educational/outreach events with approximately 900 participants, marking our busiest year on record for these program elements. The exemplary natural resource management of Ichauway and its demonstration areas continues to enhance our research and education programs.

Scientific Advisory Committee

The members of the Scientific Advisory Committee (SAC) met February 8, 2011 to assess and comment upon development and productivity of Center programs. We quote their summary: "We are very pleased to see the continuing productivity and maturation of the research/conservation/education/outreach programs of the Center. Integration among research, conservation and education programs is now clearly evident, and we are pleased to see this outstanding progress during the past year. We sense a genuine effort to reach out, form partnerships, and to value the need for a more holistic approach in addressing the complicated, ecological relations inherent in developing an ecosystem understanding of the natural systems being investigated and managed. The SAC views successful recruitment of the two open positions as a matter of the highest priority and one that should receive the fullest attention."

Research

General

Our Center funded long-term research is organized into five projects:

- 1) Productivity and biodiversity of longleaf pine ecosystems
- 2) Longleaf pine forestry and prescribed fire
- 3) Lower Flint River Basin ecology and water resources
- 4) Wildlife predator ecology and habitat relationships
- 5) Wetlands ecology and restoration

These projects were enhanced by nine visiting scientists, 31 other collaborators, 27 graduate students, four newly-awarded grants for 2010 and by education activities and events associated with each project.

Program Development

The Center continues to increase its interactions with other programs and institutions, as well as expanding external funding and the geographic focus of its science and outreach programs. While many of our program initiatives have been in place for several years, we had significant advancements in the following areas:

- 1) Expanded funding base with four new grants and contracts related to long-term Center programs. These join eleven other ongoing externally funded projects.
- 2) The Jones Center continued to work with the National Science Foundation (NSF) National Ecological Observatory Network (NEON) as a candidate site to collaborate with 60 other sites in the U.S.
- 3) Began targeted searches for two experienced scientists to fill openings in Fire and Aquatic Ecology.
- 4) Continued field implementation of the long-term Longleaf Pine Ecological Forestry and Fire research project.
- 5) New collaborative projects are addressing science information gaps in carbon dioxide emissions and sequestration by longleaf pine forests to support environmental policy.
- 6) Our wetlands and wildlife research groups have made great progress in the broad integration of their research among scientists, as well as with outside collaborators. This is reflected in the high quality and quantity of publications as well as in their applications and outreach messages.

Productivity

Our research program continues to achieve a high level of productivity. Staff published 26 articles in peer-reviewed research journals, twelve in other documents, including outreach, and had fourteen papers in press. Presentations were given at national and regional professional meetings. A total of 27 graduate students from seven universities were supported by the Center in 2010.

External Support and Collaboration

Our staff secured external funding for research and outreach programs that are compatible with organizational objectives. These awards for 2010 were \$548,988 for fifteen projects from the following sources:

- 1) Department of Energy (DOE), National Institute for Climate Change Research through Duke University (1)
- 2) National Fish and Wildlife Foundation (NFWF) (2)
- 3) Environmental Protection Agency (EPA) (1)
- 4) U.S. Army Corps of Engineers through University of Georgia (1)
- 5) Department of Defense Strategic Environmental Research and Development Program (DOD-SERDP) (1)
- 6) Department of Defense (Moody Air Force Base) (1)
- 7) The Nature Conservancy (TNC) (2)
- 8) GA Ornithological Society (1)
- 9) R. Howard Dobbs, Jr. Foundation (1)
- 10) GA Department of Natural Resources (1)
- 11) National Wild Turkey Federation (1)
- 12) U.S. Department of Agriculture (USDA), Forest Service Southern Research Station (1)
- 13) U.S. Department of Agriculture (USDA) through Mississippi State University (1)

Education and Outreach

Overall

Education and Outreach marked the busiest year in our history with over 40 groups and 900 participants visiting the Center for workshops, field tours, short courses and special events. All staff participate in these programs which are generally led and coordinated by Education Staff. Both Research and Conservation Staff are key participants in the activities. Highlights are below, with details listed in the Appendix.

University Classes

- A variety of university classes visited the Center. Visits ranged from two to three days and included classes such as forest ecology, fire ecology, wildlife management, forestry, conservation biology, wetland ecology and mosquito ecology. Universities represented included the University of Georgia (UGA), University of Florida (UF), Abraham Baldwin Agricultural College (ABAC), Arkansas Tech University (ATU), Valdosta State University (VSU), Berry College, Darton College, Emory University, University of the South, University of Central Florida and Yale University.
- Conducted three week-long "Maymester" classes. The 2010 courses were prescribed fire (UGA), wildlife management (UGA) and coastal plain ecosystem ecology and conservation (UGA and UF).

- Hosted the UGA Institute for Georgia Environmental Leadership class for a one-day visit to learn about water, forestry and fire topics.

Landowner Outreach

- Continued Native Groundcover Partnership, working with regional landowners on longleaf ecosystem restoration. Cooperative efforts with commercial producers and the Georgia Forestry Commission have been conducted for research and demonstration, and for distribution of native seeds and plant materials. Included a field day with over 44 attendees on Longleaf Pine restoration for wildlife and vegetation management.
- Published a key Ecological Forestry research article which combines ecological and economic information on our Stoddard-Neel forestry system.
- Held an event in Thomasville, Georgia for the public to commemorate Leon Neel's UGA Press book, The Art of Managing Longleaf, with 160 participants.

Prescribed Fire Outreach

- Continued to develop the National Coalition of Prescribed Fire Councils under Mark Melvin's leadership.
- Center staff supported the Georgia Prescribed Fire Council and hosted an annual meeting in Tifton with over 130 attendees. Mark Melvin serves as Vice-chair.
- Hosted the Georgia Environmental Protection Division (EPD) air quality branch chief and Region 4 U.S. Environmental Protection Agency (EPA) air quality chief for educational field tour on prescribed fire.
- Hosted a one-day visit by a WALB television crew on Georgia's Prescribed Fire Awareness Week to promote the benefits of prescribed fire.
- Hosted a one-day field tour for the National Prescribed Fire Training Center focusing on prescribed fire use in the southeastern U.S. with 43 participants.
- Conducted a two-day course on prescribed fire for Center employees and graduate students.

Water Resources Outreach

- Woody Hicks served on the Governor's Water Resources Advisory Committee and Technical Review Committee.
- Conducted a three-day research conference and summit on Apalachicola-Chattahoochee-Flint (ACF) water resources with over 118 participants.
- Conducted a two-day Adopt-A-Stream Training Workshop that included a Flint River trip focused on the Flint's unique habitats and biota with fourteen participants.
- Hosted a three-day ACF Stakeholders Workshop to define environmental flows in the basin with 30 participants.
- Conducted a four-day Freshwater Mussel and Fishes Training Workshop focusing on field survey techniques and identification of freshwater mussels and host fishes with sixteen participants.
- Woody Hicks and Dr. Kay Kirkman serve on the Albany-Dougherty Flint River Greenspace Advisory committee.
- Staff served as educational and technical advisors to Flint RiverQuarium. Dr. Lindsay Boring continues to serve on the Flint RiverQuarium Board.

Government Agency and Conservation NGO Outreach

- Conducted a three-day Army Installation Management Command Southeastern Ecological Forestry Workshop for foresters from Army installations across the southeastern U.S. with 42 participants.
- Conducted a three-day Ecological Forestry Workshop for the U.S. Fish and Wildlife Service refuge managers from across the Southeast with 20 participants.
- Hosted the Georgia Forestry Commission Board and staff for a two-day visit including a field tour covering the topics of prescribed fire, water resources and ecological forestry.
- Hosted a one-day field tour to familiarize members of Senator Isakson's staff with Jones Center Programs.
- Dr. Steve Golladay continues to serve on Board of Directors of Georgia Department of Natural Resources (DNR) "Adopt a Stream" program.

- Kevin McIntyre served on steering committee for implementation of America's Longleaf, a range-wide conservation plan for Longleaf Pine.
- Kevin McIntyre and Steve Jack served on land management review committee for Suwannee River Water Management District.
- Kevin McIntyre and Steve Jack worked with South Carolina The Nature Conservancy, U.S. Forestry Service and private landowners on restoration of 2,000 acres of Longleaf Pine.

Regional K – 12 Educators

- Hosted a week-long workshop and field experience for K-12 educators of the Environmental Education Research Academy (EERA) with sixteen participants.
- Hosted a two-day workshop for the Science Collaborative on incorporating science into the classroom with sixteen participants.

Conservation and Land Management

Stewardship of Ichauway

- Our many land management activities continued routinely as in prior years in the major areas of agriculture, wildlife management, hunting, roads and firebreaks, restoration and research support.
- 12,700 acres were burned by prescription through October 2010.
- Approximately 70 acres were treated for hardwood removal and cleanup by Jones Center personnel in targeted areas of the property (e.g., field and wetland margins) using our feller-buncher. A majority of the hardwood cleanup was carried out in the Turkey Woods, with off-site hardwood patches removed from one of the best examples of longleaf-wiregrass forest on Ichauway. These removals facilitated open views across the burn units and greatly improved the aesthetics of the area.
- We routinely applied herbicides to further restoration efforts in hardwood removal areas and around overgrown field edges, for control of exotic and invasive species and for endangered species management (i.e., red-cockaded woodpecker - RCW). Some areas where hardwoods were removed and herbicides applied in previous years received targeted follow-up chemical and

mechanical treatments (i.e., spot treatments) to provide additional control of hardwoods in areas under restoration.

- Significant effort went toward the first operational treatments of Japanese climbing fern (*Lygodium japonicum*). Japanese climbing fern is a highly invasive exotic plant species that is rapidly becoming one of the worst invasive plants in the Southeast. It is a true fern but grows as a vine and can rapidly overtop other vegetation when light and soil resources are readily available, forming thick mats. Japanese climbing fern burns readily and is resistant to fire (i.e., it resprouts), and is difficult to eradicate or control due to copious spore production and dissemination. Many large spots of Japanese climbing fern were treated along the Flint River corridor (along River Road) with herbicides. The treated areas will be spot treated in the fall to kill surviving plants, and the areas monitored for any survivors and to determine what plants first become established in the treated areas.
- We continued salvage operations to utilize dead trees that present hazard situations (primarily along roads or firebreaks). Recently dead trees – typically from lightning strikes or blowdown – were harvested, taken to the portable sawmill where they were cut into cants and stored under cover in an open-air shed. When needed this wood is cut for posts (4x4, 6x6 or 8x8) for sheds and fences or to dimensional sizes (utilizing the planer) for use in construction, repairs and renovations onsite.

Conservation Management Demonstration Area

- In 2010 only ongoing management activities, such as prescribed fire and agricultural field management, were carried out in the Conservation Management Demonstration Area (CMDA) with no major management treatments (such as timber harvest) conducted. A refereed journal publication using data from the CDMA was published in the Journal of Forestry (July/August issue) in 2010; this article examines the financial feasibility of the Ichauway approach to forest and wildlife management as compared to more common even-aged forest management approaches. In addition, frequent outreach events visited the CMDA, and several active research projects within the unit were supported by Conservation personnel, primarily through implementing specific burning prescriptions.

Apprenticeship (Intern) Program

- One apprentice participated in the program during 2010. Phillip “Buck” Booker, a May 2010 graduate of UGA began work in June and continues in the position. A second apprentice was recruited during the fourth quarter of 2010, Bradley Bennett, also a UGA graduate (December 2010), joining the program in January 2011.

Monitoring

- Measurements were continued in the long-term forest monitoring (LTM) plots with additional plots installed during the summer measurement period. These added plots are part of a planned expansion to better characterize conditions on Ichauway and bring the total number of LTM plots to 864, with a quarter of the plots sampled each year. To accommodate the additional work arising from the increased number of plots we also reduced the number of measurements recorded at each location through a prioritization of the information collected. Analysis of data and development of summaries continues, and research personnel (scientists, technicians and graduate students) are increasingly using information from these plots in their projects.
- We continued to utilize spotlight and track counts for monitoring mammal populations, especially the whitetail deer (WTD) population. The "spotlight" counts for WTD now use thermal cameras rather than high intensity lamps for detection because this technique requires fewer personnel and has a comparable detection rate. Population estimates for the WTD are used to determine harvest goals and hunting guidelines for the property.
- We continued our participation in Partners in Flight and other national bird inventory programs for bird community monitoring. Sampling locations for these programs coincide (as much as possible) with the long-term forest monitoring plots.
- Quail covey counts were conducted once again in the early fall to assess bobwhite population levels before the hunting season.

Red-Cockaded Woodpecker Recovery and Management

- Successful restoration of the Red-cockaded Woodpecker (RCW) population on Ichauway continued. The the population again increased following the minor declines in 2008 and 2009.
- In 2010 there were 24 active clusters, fourteen breeding pairs and a total of 56 birds in the population. The long-term restoration goal is to have 30 active clusters with at least 25 breeding pairs.
- The resident breeding pairs produced ten successful nests with nineteen juveniles banded and fledged. No birds were translocated to Ichauway in 2010.
- A grant from the Georgia Ornithological Society (GOS) Bill Terrell Avian Conservation Grant program, obtained in 2009, continued support for the

RCW restoration program. This grant primarily provided cost reimbursement for management activities associated with the RCW management and some funds to hire hourly workers to help in the RCW management and monitoring.

Presentations, Publications, Service and Training

- Our staff continued to communicate through meetings, proceedings and workshops with other professionals about our conservation programs and collaborations including: presentations at the Longleaf Alliance Regional conference, Joint Conference of the North Carolina Prescribed Fire Council and the North Carolina Longleaf Coalition, Ecological Society of America annual convention, Society of American Foresters national convention, numerous fire council meetings, and refereed, non-refereed, and technical publications. Conservation staff also played a central role in conducting a multi-day ecological forestry shortcourse at Ichauway, presentations to local civic club groups and serving as officers in professional societies.
- Significant time was spent by several Conservation personnel in support of the Georgia Prescribed Fire Council, particularly by one individual (Mark Melvin) who has administrative duties with the Council. Mark also continued work as an executive vice president in implementation of the National Coalition of Prescribed Fire Councils and serving as a representative of the prescribed fire community to several regional and national organizations.

Personnel Changes

- Stephanie Allums was promoted to Central Lab Manager. Stephanie was formerly the Aquatic Microbiology Lead Research Technician.
- Noore Ghunaym was promoted to Computer Network Manager. Noore was formerly the Systems Administrator.
- Jonathan Stober left the Conservation program in May 2010 to take a position with the U.S. Forest Service on the Talladega National Forest in Alabama. Jonathan was the Conservation Wildlife Biologist for over 10 years and contributed greatly to the success of the programs.
- Brandon Rutledge was recruited to fill the Conservation Wildlife Biologist position and started in mid-January 2011. Brandon most recently was Senior Wildlife Biologist/Asst. Region Supervisor, Region V with Georgia DNR, but previously has worked at the Jones Center as a lead research technician and a conservation management apprentice.

APPENDIX

DIRECTOR'S 2010 ANNUAL REPORT to the TRUSTEES OF ICHAUWAY, INC.



Dr Kay Kirkman and Native Warm Season Grasses Workshop

- I Publications, Presentations and Grants
- II Education and Outreach Activities
- III Graduate Students
- IV Scientific Advisory Committee
- V Staff
- VI Jones Center Guest Seminars

Publications, Presentations and Grants

2010 "In Press" Articles

Boring, L. R., K. J. Elliott and T. W. Swank. Successional forest dynamics: 20 years following clearcutting. In D. A. Crossley and W. T. Swank (eds.) *Recovery of a forested ecosystem: Commercial clearcutting in the southern Appalachians*. Oxford Press.

Buckner, E., S. Golladay, M. Blackmore and A. Covich. Spatial and temporal variation of adult mosquitoes at Ichauway in southwestern Georgia. *Journal of Vector Ecology*.

Conner, L. M., S. B. Castleberry and A. M. Derrick. Effects of mesopredators and prescribed fire on hispid cotton rat survival and cause-specific mortality. *Journal of Wildlife Management*.

Hoss, S. K., G. W. Schuett, R. L. Earley and L. L. Smith. Reproduction in male Eastern diamond-backed rattlesnakes (*Crotalus adamanteus*): Relationship of plasma testosterone to dimension changes of the testis/kidney. *Southeastern Naturalist*.

Jones, D. D., L. M. Conner, R. J. Warren, and G. O. Ware. Effects of a localized food source and nest density on success of artificial ground nest. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies*.

Kirkman, L. K., E. A. Whitehead, S. W. Golladay, L. L. Smith and S. P. Opsahl. A research framework for identifying potential linkages between isolated wetlands and disease ecology. *Ecological Research*.

Kirkman, L. K., L. L. Smith and S. W. Golladay. Southeastern depressional wetlands. In D. Batzer and A. Baldwin (eds.). *Wetland Habitats of North America: Ecology and Conservation Concerns*. University of California Press.

Morris, G., L. M. Conner and M. K. Oli. Effects of prescribed fire, mammalian predator exclusion, and supplemental feeding on cotton rat space use. *Journal of Mammalogy*.

Morris, A. D., D. A. Miller and L. M. Conner. Home range size of evening bats (*Nycticeius umeralis*) in southwestern Georgia. *Southeastern Naturalist*.

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Smith, L. L., S. K. Hoss, K. Wheeler and S. Varner. *Farancia erytrogramma* (Rainbow snake). *Herpetological Review*.

Steen, D. A., J. A. Stiles, S. H. Stiles, C. Guyer, J. Pierce, D. C. Rudolph and L. L. Smith. *Regina rigida*. Terrestrial movement. *Herpetological Review*.

Stuble, K., L. K. Kirkman, C. R. Carroll and N. J. Sanders. Relative effects of disturbance on red imported fire ants and native ant species in a longleaf pine ecosystem. *Conservation Biology*.

Webster, J. R., E. F. Benfield, S. W. Golladay and M. E. McTammany. Recovery of particulate organic matter dynamics in a stream draining a logged watershed. *Watershed 7 Synthesis Volume*.

2010 Published Refereed Journal Articles

Atkinson, C. L., S. P. Opsahl, A. P. Covich, S. W. Golladay and L. M. Conner. Stable isotopic signatures, tissue stoichiometry, and nutrient cycling (C and N) of native and invasive freshwater bivalve. *Journal of the North American Benthological Society* 29:496-505.

Borgo, J. S., M. R. Conover and L. M. Conner. Flying squirrel removal does not reduce their use of simulated red-cockaded woodpecker nest clusters. *Southeastern Naturalist* 9:813-820.

Cathey, S. E., L. R. Boring and T. R. Sinclair. Assessment of N₂ fixation capability of native legumes from the longleaf pine-wiregrass ecosystem. *Environmental and Experimental Botany* 67:444-450.

Conner, L. M., J. C. Rutledge and L. L. Smith. Effects of mesopredators on nest survival of shrub-nesting songbirds. *Journal of Wildlife Management* 74:73-80.

Derrick, A. M., L. M. Conner and S. B. Castleberry. Effects of prescribed fire and predator exclusion on refuge selection by *Peromyscus gossypinus* Le Conte (Cotton Mouse). *Southeastern Naturalist* 9:733-780.

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Hernandez, S. M., D. J. Gammons, N. Gottdenker, M. T. Mengak, L. M. Conner, and S. J. Divers. Technique, safety, and efficacy of intra-abdominal transmitters in nine-banded armadillos. *Journal of Wildlife Management* 74:174-180.

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Kirby, J. D., J. C. Rutledge, I. G. Jones, L. M. Conner and R. J. Warren. Effects of time of day and activity status on bobcat (*Lynx rufus*) cover-type selection in southwestern Georgia. *Southeastern Naturalist* 9:317-326.

Linehan, J. M., L. L. Smith and D. A. Steen. Ecology of the Eastern Kingsnake (*Lampropeltis getula getula*) in a longleaf pine (*Pinus palustris*) forest in southwestern Georgia. *Herpetological Conservation and Biology* 5:94-101.

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McIntyre, R. K., S. B. Jack, B. B. McCall and R. J. Mitchell. Financial feasibility of selection-based multiple-value management on private lands in the South: A heuristic case study approach. *Journal of Forestry* 108:230-237.

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Morris, G., L. M. Conner and M. K. Oli. Use of supplemental Northern Bobwhite (*Colinus virginianus*) food by non-target species. *Florida Field Naturalist* 38:99-105.

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Clayton, B. A. and D. W. Hicks. Hydrologic Evaluation of the Grand Bay and Banks Lake Wetland Complex, September 2009 to August 2010 (Annual Report).

Graham, S. P., A. M. Durso, D. A. Steen, V. M. Johnson, S. K. Hoss, D. J. McMoran, K. T. Nelson, S. C. Cox, E. C. Susko, J. W. Shapiro and J. R. McMillan. An additional bioblitz competition in Northwest Georgia yields new county records. *Herpetological Review* 41:383-384.

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Stober, J. M. White-tailed deer management summary 1993-2010. Conservation Program: Joseph. W. Jones Ecological Research Center Whitepaper.

Presentations and Abstracts

Allums, S. E., S. P. Opsahl, S. Golladay, D. W. Hicks and L. M. Conner. Land use influence on groundwater quality in the lower Flint River Basin, Southwestern Georgia. Apalachicola-Chattahoochee-Flint (ACF) Stakeholders Conference and Water Task Force Joint Meeting, Bainbridge, Georgia. Poster presentation.

Allums, S. E., S. P. Opsahl, S. W. Golladay, D. W. Hicks and L. M. Conner. Land use influence and groundwater/surface interactions on water quality in the lower Flint River Basin, Georgia. Joint Meeting American Society of Limnology and Oceanography (ASLO) and North American Benthological Society (NABS), Sante Fe, New Mexico. Poster presentation.

Atkinson, C. L., S. W. Golladay and M. R. First. Differences in heterotrophs attributed to water chemistry across a gradient of agricultural impacts. Joint Meeting American Society of Limnology and Oceanography (ASLO) and North American Benthological Society (NABS), Sante Fe, New Mexico. Poster presentation.

Cherry, M. J., L. M. Conner and R. J. Warren. The effect of the removal of novel stimuli on capture success of free-ranging coyotes in southwestern Georgia. The Fall Meeting for The Georgia Chapter of The Wildlife Society, Forsyth, Georgia. Oral presentation.

Clayton, B. Sub-surface flow to an isolated depressional wetland from rainfall induced residual groundwater. Apalachicola-Chattahoochee-Flint (ACF) Stakeholders Conference and Water Task Force Joint Meeting, Bainbridge, Georgia. Poster presentation.

Conner, L. M. Managing predation: An overview of predation research at the Joseph W. Jones Ecological Research Center. University of Georgia Student Chapter, The Wildlife Society, Athens, Georgia. Invited oral presentation.

Conner, L. M. and J. C. Rutledge. Effects of food subsidies at multiple spatial scales. The Wildlife Society, 17th Annual Conference, Athens, Georgia. Oral presentation.

Dittler, M. and R. Jones. Evidence for non-selective feeding strategies by root-feeding insects in a Longleaf Pine-Wiregrass system. The Ecological Society of America (ESA) Annual Conference, Pittsburgh, Pennsylvania. Poster presentation.

Gleim, E., L. M. Conner, M. Yablsey and M. Levin. Understanding the ecological effects of long-term prescribed fire regimes on ticks and the distribution and population dynamics of tick-borne zoonoses: Preliminary data. The Joint Meeting for the Association of Southeastern Biologists (ASB) and the Southeastern Society of Parasitologists (SSP). Oral presentation.

Gleim, E., M. Yabsley, L. M. Conner and M. Levin. Ecosystem health and human health: Understanding the ecological effects of prescribed fire regimes on distribution and population dynamics of tick-borne zoonoses: Preliminary data. American Association of Veterinary (AAV) Parasitologists Meeting, Atlanta, Georgia. Oral presentation.

Gleim, E., M. Yabsley, L. M. Conner and M. Levin. Wildlife, fire, disease and humans: Using ticks to make the connection. Hollins University in Roanoke, Virginia. Invited oral presentation.

Gleim, E., Golladay, S. W., E. M. Vendas, G. Knothe, M. Blackmore, N. Smith and C. L. Atkinson. Water quality and larval mosquito populations in isolated agricultural and reference wetlands in the Gulf Coastal Plain, Georgia, USA. Annual Meeting North American Benthological Society (NABS), Santa Fe, New Mexico. Poster presentation.

Gleim, E., M. Yabsley, L. M. Conner and M. Levin. An ongoing study of the effects of prescribed burns on tick and tick-borne pathogen prevalence. Warnell Graduate Student Symposium, Warnell School of Forestry and Natural Resources, University of Georgia, Athens, Georgia. Poster presentation.

Gleim, E., M. Yabsley, L. M. Conner and M. Levin. An ongoing study of the effects of prescribed burns on tick and tick-borne pathogen prevalence. College of Veterinary Medicine, University of Georgia, Athens, Georgia. Poster presentation.

Golladay, S. W., T. Muenz, D. W. Hicks and R. Thomas. Land use and regional streamflow change in the lower Flint River Basin. Apalachicola-Chattahoochee-Flint (ACF) Stakeholders Conference and Water Task Force Joint Meeting, Bainbridge, Georgia.

Golladay, S. W. Freshwater mussels in the lower Flint River Basin: Recent and historical trends. National Oceanic and Atmospheric Administration (NOAA)/ National Integrated Drought Information System (NIDIS) ACF Drought Early Warning Workshop, Albany, Georgia. Oral presentation.

Gonynor, J. Gopher tortoise population health in a changing Georgia landscape: Preliminary results. Turtle Survival Alliance meeting, Orlando, Florida. Poster presentation.

Ike, C, D. Markewitz and L. R. Boring. Carbon content within a Longleaf Pine ecosystem: The effects of land use and soil type on carbon concentration. Auburn University Conference on Carbon Sequestration in Longleaf Pine Ecosystems, Auburn, Alabama. Poster presentation.

Jack, S. B. Ecological forestry in the Longleaf Pine landscape. Joint Conference of the North Carolina Prescribed Fire Council and the North Carolina Longleaf Coalition, New Bern, North Carolina. Invited oral presentation.

Jack, S. B. Ecological forestry in Longleaf Pine: Concepts and examples from Ichauway. The 8th Regional Longleaf Conference (Longleaf Alliance), Columbia, South Carolina. Invited oral presentation.

Jack, S. B. and R. J. Mitchell. Silviculture to restore pine-grassland forests in the Southeast: Trees, groundcover and time. The Society of American Foresters Annual Convention, Albuquerque, New Mexico. Oral presentation.

Jones, D. D., L. M. Conner, R. J. Warren and G. O. Ware. Effects of a localized food source and nest density on success of artificial ground nest. Southeastern Association of Fish and Wildlife Agencies Meeting, Biloxi, Mississippi.

Kaesler, M. and L. K. Kirkman, R. J. Mitchell, S. B. Jack and N. A. Jansen. Recovery of ground cover vegetation and fine fuels following silvicultural treatments in a longleaf pine forest: Preliminary results of a long-term ecological forestry study. Poster presentation at the Ecological Society of America Annual Meeting, Pittsburgh, Pennsylvania. Poster presentation.

Kirkman L. K. and J. Cox. The native ground cover partners project. Georgia Native Plant Initiative Conference, State Botanical Garden of Georgia, Athens, Georgia. Invited oral presentation.

Kirkman, L. K., L. L. Smith, L. M. Conner, D. Steen, M. Mack, J. K. Hiers, A. Barnett, S. Pokswinski, J. Walters and R. J. Mitchell. Restoration of a longleaf pine ecosystem: defining components of a dynamic reference model. Strategic Environmental Research and Development Program (SERDP) Symposium. Washington, D.C. Poster presentation.

Linehan, J. M. An evaluation of line transect distance sampling for large scale gopher tortoise surveys in Georgia. Turtle Survival Alliance, Orlando, Florida. Oral presentation.

Linehan, J. M., L. L. Smith and D. A. Steen. Ecology of the Eastern kingsnake in Southwestern Georgia. Gopher Tortoise Council, Columbiana, Alabama. Poster presentation.

Linehan, J. M., J. L. Gonynor, S. C. Sterrett, D. A. Steen, E. Condon and L. L. Smith. Compilation of chelonian research conducted at the Joseph W. Jones Ecological Research Center in Southwest Georgia. The Turtle Survival Alliance, Orlando, Florida. Poster presentation.

Linehan, J. M., K. M. Stohlgren, E. M. Schlimm and L. L. Smith. Dispersal patterns of neonate timber rattlesnakes (*Crotalus horridus*) in southwest Georgia. Southeastern Partners in Amphibian and Reptile Conservation Annual Meeting, Ocala, Florida. Poster presentation.

Linehan, J. M. and L. L. Smith. Use of a handheld computer and ArcPad® software: Tools for conducting gopher tortoise line transect distance sampling (LTDS). Turtle Survival Alliance, Orlando, Florida. Poster presentation.

Linehan, J. M., J. L. Gonynor, S. C. Sterrett, D. A. Steen, E. Condon and L. L. Smith. Compilation of chelonian research conducted at the Joseph W. Jones Ecological Research Center in Southwest Georgia. Gopher Tortoise Council, Columbiana, Alabama. Poster presentation.

Martin, G. I., L. K. Kirkman and J. Hepinstall-Cymerman. Predicting isolated wetlands in the Dougherty Plain, Georgia, USA. Society of Wetland Scientists Annual Meeting, Salt Lake City, Utah. Poster presentation.

Martin, G. I., J. Hepinstall-Cymerman and L. K. Kirkman. Constructing a land use-land cover history (1948-2007) of the Dougherty Plain, Georgia. International Association of Landscape Ecology Annual meeting, Athens, Georgia. Poster presentation.

McGee, J. D. Carbon sequestration in Longleaf Pine ecosystems. Auburn University Conference on Carbon Sequestration in Longleaf Pine Ecosystems, Auburn, Alabama. Poster presentation.

Melvin, M. A. Georgia Prescribed Fire Council: A model for success. Georgia Forestry Association Annual Meeting, Amelia Island, Florida. Oral presentation.

Mitchell, R. J. A preliminary examination of prescribed fire's role in Longleaf Pine carbon dynamics. Auburn University Conference on Carbon Sequestration in Longleaf Pine Ecosystems, Auburn, Alabama. Oral presentation.

Morris G., L. M. Conner, M. K. Oli and J. Hostetler. Effects of supplemental food, mammalian predator exclusion and prescribed fire on two species of *Peromyscus* mice. 20th Colloquium on the Conservation of Mammals in the Southeastern United States, Asheville, North Carolina. Oral presentation.

Morris G., L. M. Conner, M. K. Oli and J. Hostetler. Effects of prescribed fire, supplemental feeding, and mammalian predator exclusion on population dynamics and space use of cotton rats in a Longleaf Pine ecosystem. The Florida Chapter of The Wildlife Society Annual Conference, Tallahassee, Florida. Poster presentation.

Opsahl, S. P. Sources and cycling of nutrients and dissolved organic carbon in the Lower ACF Basin. Sustainable Water Resources Conference, University of Florida, Gainesville, Florida. Oral presentation.

Pieterse, E. C., S. Jose, S. B. Jack, K. Kitajima and P. J. Minogue. Choice of vegetation response measure may alter the perceived efficacy of an invasive species control strategy. Ecological Society of America (ESA) Annual Meeting, Pittsburgh, Pennsylvania.

Rugel, K., C. R. Jackson, S. W. Golladay, D. W. Hicks and J. F. Dowd. Identifying groundwater-stream interaction in a karst region: Lower Flint River Basin, Georgia, USA. American Geophysical Union Annual Conference, San Francisco, California.

Rugel, K., C. R. Jackson, S. W. Golladay, D. W. Hicks and J.F. Dowd. Long-term effects of center pivot irrigation on streamflows in a karst environment: Lower Flint River Basin, Georgia, USA. Apalachicola-Chattahoochee-Flint Stakeholders Conference, Bainbridge College, Bainbridge Georgia.

Rutledge, J. C., D. A. Steen, L. M. Conner and L. L. Smith. The ecological role of snake predations on shrub nesting birds. The Wildlife Society, 17th Annual Conference, Athens, Georgia. Poster presentation.

Scandellari, F., A. Ouimette, R. J. Mitchell and E. Hobbie. Contribution of ectomycorrhizal and arbuscular mycorrhizal fungi to C cycle in a Longleaf Pine savanna. The Ecological Society of America (ESA) Annual Conference, Pittsburgh, Ohio. Poster presentation.

Scott, J. A., S. B. Castleberry, R. J. Warren and L. M. Conner. Predicting response to habitat perturbations using single-season occupancy models for northern bobwhite on Fort Bragg, North Carolina. The Wildlife Society 17th Annual Conference, Athens, Georgia.

Shearin, M., L. K. Kirkman and R. Carroll. The direct and indirect effects of the red imported fire ant (*Solenopsis invicta*) on seed fate in the Longleaf Pine ecosystem. Odum School of Ecology, University of Georgia Graduate Student Symposium Athens, Georgia. Oral presentation.

Shearin, M., L. K. Kirkman and C. R. Carroll. The effects of the red imported fire ant (*Solenopsis invicta*) on seed fate in the longleaf pine ecosystem. Poster presentation at the Ecological Society of America Annual Meeting, Pittsburgh, Pennsylvania. Poster presentation.

Shivers, S. D., S. P. Opsahl and A. P. Covich. The impact of submerged aquatic vegetation on nutrient dynamics and organic carbon bioavailability in a southeastern reservoir. Odum School of Ecology Graduate Student Symposium, University of Georgia, Athens, Georgia. Oral Presentation.

Shivers, S. D., S. P. Opsahl and A. P. Covich. The impact of submerged aquatic vegetation on nutrient dynamics and bacterial metabolism in Lake Seminole. Apalachicola-Chattahoochee-Flint Stakeholders Conference, Bainbridge College, Bainbridge Georgia. Oral Presentation.

Shivers, S. D., S. P. Opsahl and A. P. Covich. The impact of submerged aquatic vegetation on carbon dynamics and dissolved organic carbon bioavailability in a southeastern reservoir. Water Institute Symposium, University of Florida, Gainesville, Florida. Poster Presentation.

Shivers, S. D., S. P. Opsahl and A. P. Covich. The impact of submerged aquatic vegetation on dissolved organic carbon production and bacterial metabolism in a southeastern reservoir. Joint Meeting American Society of Limnology and Oceanography (ASLO) and North American Benthological Society (NABS), Sante Fe, New Mexico. Poster Presentation.

Shivers, S. D., S. P. Opsahl and A. P. Covich. The impact of submerged aquatic vegetation on nutrient dynamics and microbial metabolism in Lake Seminole. University of Georgia, Athens, Georgia. Oral Presentation

Smith, L. L. Large-scale application of distance sampling to estimate density and abundance of gopher tortoises. The Turtle Survival Alliance, Orlando, Florida. Oral presentation.

Smith, L. L. Gopher tortoise survey methodology. North Florida and South Georgia Sandhill Working, Tall Timbers Research Station, Tallahassee, Florida.

Smith, N. D. and S. W. Golladay. Coleoptera indicator species in drought vs. flood regimes in three southwest Georgia wetland types. Joint Meeting with the American Society Limnology and Oceanography (ASLO) and the North American Benthological Society (NABS). Sante Fe, New Mexico. Poster presentation.

Smith, N. D., S. W. Golladay, E. M. Vedas, G. Knothe, M. Blackmore and C. L. Atkinson. Water quality and larval mosquito populations in isolated agricultural and reference wetlands in the Gulf Coastal Plain, Georgia. Joint Meeting with the American Society Limnology and Oceanography (ASLO) and the North American Benthological Society (NABS), Sante Fe, New Mexico. Oral Presentation.

Steen, D. Organization for tropical studies-Tropical Biology course recap. Auburn University Department of Biological Sciences-Bio meeting, Auburn, Alabama. Oral presentation.

Steen, D. Critical terrestrial habitat for nesting aquatic turtles. Alabama Partners in Amphibian and Reptile Conservation (PARC) Annual Meeting, Andalusia, Alabama. Oral presentation.

Steen, D. Influence of longleaf pine restoration on avian assemblages and occupancy of species associated with the native ecosystem. Gopher Tortoise Council Annual Meeting, Columbiana, Alabama. Poster presentation.

Steen, D. Longleaf Pine restoration on avian assemblages and occupancy of species associated with the native ecosystem. Alabama Partners in Amphibian and Reptile Conservation (PARC) Annual Meeting, Andalusia, Alabama. Poster presentation.

Stober, J. M. and L. L. Smith. Tortoise population estimates at the extremes. The Turtle Survival Alliance, Orlando, Florida. Oral presentation.

Whelan, A., G. Starr, R. J. Mitchell, J. D. McGee, C. Staudhammer, J. Wright and H. Loescher. The role of prescribed fire on Longleaf Pine carbon dynamics along an edaphic moisture gradient. The Ecological Society of America (ESA) Annual Conference, Pittsburgh, Ohio. Poster presentation.

Wiggers, S. Some like it hot: Fire and legume germination in the Longleaf Pine ecosystem. Department of Biological Sciences, Auburn University, Alabama. Oral presentation.

Zenner, E. K. and S. B. Jack. Restoration silviculture: Context, constraints and considerations. Society of American Foresters Annual Convention, Albuquerque, New Mexico.

Professional Seminars, Guest Lectures and Special Programs

Boring, L. R. Application and historic context of Coweeta's long-term research to forest management and conservation. U.S. Forest Service's Coweeta Hydrologic Laboratory's 75th Year Research Anniversary Celebration, Otto, North Carolina. Keynote presentation.

Boring, L. R. Natural resource conservation and research in changing southern climates. Annual Graduate Student Symposium, Warnell School of Forestry and Natural Resources, University of Georgia, Athens, Georgia. 2010 Colloquium Speaker.

Golladay, S.W. Adult Mosquito Ecology in Southwestern Georgia. Columbus State University, Biology Department, Columbus, Georgia.

Golladay, S.W. Water use and hydrologic change in the ACF Basin: contrasting regulated and unregulated rivers. Emory University, Atlanta, Georgia.

Kirkman, L. K. The perpetual forest: Using an undesirable species to bridge restoration. Guest Faculty Lecture. University of Georgia Odum School of Ecology, Athens, Georgia.

Kirkman, L. K. The perpetual forest: using an undesirable species to bridge restoration. Guest Faculty Lecture. Department of Environmental Studies, Emory University, Atlanta, Georgia.

Smith, L. L. Challenges to managing for rare fauna of the Longleaf Pine ecosystem. Department of Environmental Studies, Emory University, Atlanta, Georgia.

Externally Funded Projects - 2010

Boring, L. R., R. D. Sutter. Coordination of Eglin working group for ecosystem management. U.S. Department of Agriculture, Forest Service Southern Research Station. August 09, 2010 – June 30, 2011. \$20,159 Did not receive any funds in 2010.

Conner, L. M., R. J. Warren, G. S. Sledge and S. B. Castleberry. Development, validation and refinement of habitat suitability models for selected wildlife species on Fort Bragg. University of Georgia. October 1, 2007 – December 31, 2010. \$25,000. Received in 2008, \$8,000. Received in 2009, \$6,346. Received in 2010, \$10,655.

Conner, L. M. The effect of removal of novel stimuli on trapping success of coyotes (*canis latrans*) in Southwestern Georgia. Mississippi State University. June 24, 2010 – September 30, 2011. \$10,000 Did not receive any funds in 2010.

Conner, L. M. Effects of hunting on gobbling chronology. National Wild Turkey Federation. August 17, 2010 – December 31, 2011. \$9,974. Received in 2010, \$9,974.

Hicks, D. W. Grand Bay-Banks Lake long-term wetland evaluation. U.S. Army, Moody AFB. April 1, 2009 – December 31, 2013. \$104,644. Received in 2009, \$14,531. Received in 2010, \$19,086.

Hiers, J. K., R. J. Mitchell and C. B. Clements. In situ measures of fire-atmospheric dynamics: Implications for PM 2.5 production and dispersion. Environmental Protection Agency. June 1, 2008 – May 31, 2010. \$70,000. Received in 2008, \$26,404. Received in 2009, \$43,596. Did not receive any funds in 2010.

Kirkman, L. K., L. M. Conner and R. K. McIntyre. Longleaf pine ecosystem conservation III. National Fish and Wildlife Foundation. September 1, 2007 – December 31, 2012. \$196,500. Received in 2007, \$5,826. Received in 2008, \$33,592. Received in 2009, \$28,610. Received in 2010, \$7,597.

Kirkman, L. K., R. K. McIntyre and L. M. Conner. Enhancing longleaf ecosystem understory. National Fish and Wildlife Foundation. October 31, 2007 – June 31, 2011. \$82,000. Received in 2008, \$923. Received in 2009, \$15,039. Received in 2010, \$26,955.

McIntyre, R. K. and S. B. Jack. Collaborative management and restoration of longleaf pine in lowcountry South Carolina. The Nature Conservancy. February 2, 2009 – December 31, 2011. \$53,423. Received in 2009, \$16,864. Received in 2010, \$17,437.

Mitchell, R. J., E. A. Hobbie, C. R. Ford. Does increased precipitation alter belowground allocation and carbon storage by fine roots and mycorrhizal fungi in pine savannas? DOE, National Institute for Climate Change Research, Duke University. March 1, 2008 – November 30, 2011. \$375,000. Received in 2008, \$97,745. Received in 2009, \$118,688. Received in 2010, \$134,669.

Mitchell, R. J., L. K. Kirkman, L. M. Conner, L. L. Smith, J. Priddy, P. Yates, M. C. Mack, J. R. Walters and R. D. Sutter. Developing dynamic reference models and a decision support framework for southeastern ecosystems: An integrated approach. Strategic Environmental Research and Development Program. March 26, 2009 – March 25, 2014. \$1,351,138. Received in 2009, \$268,902. Received in 2010, \$250,084.

Mitchell, R. J. and L. Wayburn. Working forests in a changing climate: Creating a pilot forestry offset process for frequently burned longleaf pine in Georgia. R. Howard Dobbs, Jr. Foundation. June 1, 2009 – May 31, 2010. \$8,500. Received in 2009, \$5,160. Received in 2010, \$3,340.

Smith, L. L. and J. M. Stober. Gopher tortoise surveys at Ft. Gordon, Georgia. The Nature Conservancy. November 6, 2009 – May 31, 2010. \$55,578. Received in 2009, \$3,244. Received in 2010, \$38,212.

Smith, L. L. and J. M. Stober. Gopher tortoise surveys and population evaluation. Georgia Department of Natural Resources. May 01, 2010 – August 31, 2011. \$81,852. Received in 2010, \$24,886.

Stober, J. M. Bill Terrell Avian Conservation Grant. Georgia Ornithological Society. February 11, 2009 – June 30, 2010. \$14,000. Received in 2009, \$7,906. Received in 2010, \$6,093.

Longterm Research Internally Funded Projects

Conner, L. M. and L. L. Smith. The ecological role of mesopredators, the effects of mesopredator control and habitat approaches for managing predation.

Golladay, S. W., S. P. Opsahl, L. L. Smith and D. W. Hicks. Hydrologic variation and human development in the lower Flint River Basin: An ongoing landscape-scale experiment.

Kirkman, L. K., S. W. Golladay, L. L. Smith, S. P. Opsahl and D. W. Hicks. Depressional wetlands in the coastal plain landscape: Maintenance of regional biological diversity.

Mitchell, R. J., L. K. Kirkman, L. R. Boring and L. M. Conner. Productivity and biodiversity patterns: Controls in a southeastern coastal plain landscape (the forest productivity project).

Mitchell, R. J., S. B. Jack, R. K. McIntyre, L. K. Kirkman, L. L. Smith and L. M. Conner. Ecological forestry project: Silviculture that sustains and restores native biodiversity of pinelands in the Southeastern Coastal Plain: Legacies, fire and recovery periods.

Education and Outreach Activities

On-site Activities

University Class Visits

University of Florida. A two-day field experience focusing on longleaf pine management and restoration. (18)

University of Florida. A two-day field field tour for wildlife habitat management course. (14)

University of Georgia. A week-long Maymester short course in fire ecology. (15)

University of Georgia. A week-long Maymester short course in wildlife ecology. (15)

University of Georgia. A two-day field tour focusing on herpetology. (21)

Universities of Georgia and Florida. A week-long Maymester short course on coastal plain ecosystem ecology and conservation. (6)

Abraham Baldwin Agricultural College. A one-day field tour focusing on prescribed fire. (17)

Arkansas Tech University. A two-day field tour focusing on forest ecology. (6)

Berry College. A three-day field experience including an overview of the longleaf pine ecosystem, rare and endangered species, wetland and plant diversity, fire management at Ichauway and various restoration and research projects. (15)

University of Georgia. A two-day field experience focusing on mammalogy. (22)

University of the South. A two-day field tour including an overview of the longleaf pine ecosystem, longleaf pine management and restoration and endangered species. (12)

Emory University. A three-day field experience focusing on longleaf pine ecology, conservation biology and management. (11)

University of Central Florida. A three-day field tour on plant ecology and the longleaf pine ecosystem. (7)

Valdosta State University. A two-day field tour focusing on entomology. (32)

Yale University. A two-day field tour for the Yale Forestry school, focusing on longleaf pine ecology, management and restoration. (6)

Darton College. A one-day visit focusing on research equipment, scientist duties and GIS. (9)

Teacher Outreach

Environmental Education Research Academy (EERA). A week-long workshop and field experience for K-12 educators. (16)

Science Collaborative. A two-day workshop on incorporating science into the classroom for K-12 teaching professionals. (16)

Natural Resource Conservation

U.S. Fish and Wildlife Service (USFWS) Ecological Forestry Workshop. A three-day workshop for U.S. Fish and Wildlife Service refuge managers from across the Southeast. (20)

National Prescribed Fire Training Center. A one-day field tour focusing on prescribed fire use in the southeastern U.S. (45)

Freshwater Mussel Workshop. A four-day training workshop focusing on field survey techniques and identification of freshwater mussels. (16)

Institute for Georgia Environmental Leadership (IGEL). A one-day field tour focusing on prescribed fire and water resources issues. (40)

Army Installation Management Command Southeastern Red-cockaded Woodpecker Workshop. A three-day workshop for foresters from Army installations across the southeastern U.S. (42)

Landowner Field Day. A one-day workshop focusing on vegetation management and restoration for upland wildlife in longleaf pine ecosystems. (44)

Internal Prescribed Fire Course. A one-day course focusing on prescribed fire for Jones Center employees and graduate students. (15)

Georgia Environmental Protection Division, Air Quality Branch. A two-day field experience focusing on prescribed fire, air quality and fire research. (2)

Apalachicola-Chattahoochee-Flint (ACF) Conference Planning Meeting. A two-day meeting to plan for the 2010 conference on Apalachicola-Chattahoochee-Flint water resources. (3)

Leon Neel Book Signing. A one-day event held in Thomasville, GA in collaboration with UGA Press and the Thomas County Historical Society. (160)

Georgia Botanical Society. A one-day field tour of Ichauway focusing on plant diversity, prescribed fire, wetlands, restoration and rare species. (14)

National Prescribed Fire Training Center. A one-day field tour focusing on prescribed fire use in the southeastern U.S. (43)

Georgia Plant Conservation Alliance. A two-day field tour of Ichauway focusing on the longleafplant diversity, prescribed fire, wetlands, restoration and rare species. (20)

Clemson Extension Field Tour. A two-day field experience for landowners and natural resource management professionals focusing on longleaf management and restoration. (12)

Wild Turkey Workshop. A two-day workshop to identify information needs, research priorities and collaborative opportunities for wild turkey research and management. (12)

University of Florida (UF)/University of Georgia (UGA) Extension Service. A one-day meeting to plan collaborative landowner workshop. (2)

South Carolina The Nature Conservancy (TNC)/White Oak Forestry. A three-day field tour for South Carolina TNC and White Oak Forestry Corporation focusing on longleaf management and restoration. (6)

Atlanta Botanical Garden. A two-day field experience for Atlanta Botanical Garden staff focusing on ecology, management and restoration of longleaf pine ecosystems and associated wetlands. (12)

U.S. Fish and Wildlife Service (USFWS) Field Tour. A one-day field tour and familiarization visit from U.S. Fish and Wildlife Service Regional Chief of Conservation Partnerships and Longleaf Coordinator. (2)

Florida The Nature Conservancy (TNC) Belize Forestry Group. A two-day workshop for visiting foresters from Belize focusing on ecological forestry, longleaf pine ecology and application to Central American pine savannas. (10)

Tall Timbers Research Station. A one-day field tour focusing on longleaf management and restoration for staff of Tall Timbers Research Station and Paddy Wade, owner of Arcadia Plantation and the Wade Tract. (3)

Albany/Dougherty Economic Development Commission. A one-day retreat and familiarization visit. (5)

Southwest Georgia Society of American Foresters (SAF) meeting. A one-day meeting and field tour for the Southwest Georgia Chapter of the Society of American Foresters. (25)

Adopt-A-Stream (AAS) Training Workshop. A two-day training workshop on chemical water quality analysis. (9)

National Science Foundation (NSF) National Ecological Observatory Network (NEON) aquatic site visit. A one-day meeting to plan for aquatic activities associated with the NEON project. (2)

Isakson representatives. A one-day field tour to familiarize members of Senator Isakson's staff about Jones Center programs. (2)

Council of Eastern Forest Technician Schools. A one-day field tour focusing on longleaf pine natural history, management, and restoration. (18)

Natural Resources Conservation Service (NRCS) Native Warm Season Grasses Workshop. A two-day workshop focusing on native grasses identification. (19)

Apalachicola-Chattahoochee-Flint (ACF) Stakeholders Workshop. A three-day workshop to define environmental flow regimes in the ACF Basin. (30)

Public Relations

WALB. A one-day visit by a television crew on Georgia's Prescribed Fire Awareness Week to promote the benefits of prescribed fire. (2)

One Georgia Authority. A one-day visit for a film interview to support funding of internet services to rural Georgia. (5)

2010 Graduate Students

Graduated 2010

Red-cockaded woodpecker genetics. (University of Georgia, M.S., L. M. Conner)	Travis Alstad
The effect of light and moisture on longleaf pine seedling growth under varying canopy densities. (Auburn University, M.S., S. B. Jack)	David Dyson
Land use and soil carbon storage. (University of Georgia, M.S., L. R. Boring)	Claire Ike
Linking spatial variation of understory vegetative fuels with silviculture and forest dynamics in the frequent low intensity fire regime of the longleaf pine ecosystem. (University of Florida, Ph.D., R. J. Mitchell)	Louise Loudermilk
Landscape changes in depressional wetlands. (University of Georgia, M.S., L. K. Kirkman)	Glenn Martin
Effect of supplemental feeding, predator exclusion and prescribed fire on small mammal populations in longleaf pine ecosystem. (University of Florida, M.S., L. M. Conner)	Gail Morris
Distribution, dynamics and control strategies for Japanese Climbing Fern. (University of Florida, M.S., S. B. Jack)	Corrie Peterson
Influence of submerged aquatic vegetation (SAV) on water quality in Lake Seminole. (University of Georgia, M.S., S. P. Opsahl)	Stephen Shivers

Current 2010 Projects

Scaling internally cycled respired carbon from individual tree to ecosystem scales. (University of Georgia, Ph.D., R. J. Mitchell)	Doug Aubrey
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New Student. (University of Georgia, M.S., S. W. Golladay)	Gina Botello
A fast-running physics-based model for coupled atmosphere fire behavior: Model development and comparison with experimental field data. (Florida State University, Ph.D., R. J. Mitchell)	Jesse Canfield
New Student. (University of Georgia, M.S., L. M. Conner)	Michael Cherry
Fine root herbivory by belowground beetle larvae and consequences for fine root productivity: An assessment of herbivore distribution, temporal dynamics and fine root consumption in a longleaf pine-wiregrass ecosystem. (Virginia Tech, M.S., R. J. Mitchell)	Matt Dittler
Tick-borne diseases and interactions with deer herds and prescribed fire. (University of Georgia, Ph.D., L. M. Conner)	Elizabeth Gleim
Gopher tortoise population health in a changing landscape. (University of Georgia, Ph.D., L. L. Smith)	Jess Gonyor
Population demography of southern flying squirrel in Longleaf Pine ecosystem. (University of Florida, M.S., L. M. Conner)	Binab Karmacharya
Correlations between community diversity and within-species genetic diversity in an amphibian assemblage: Potential processes and implications for conservation management (University of Georgia, Ph.D., L. L. Smith)	Anna McKee
Influence of human water use on streamflow characteristics in the lower Flint River, Georgia. (University of Georgia, Ph.D., S. W. Golladay)	Kathleen Rugel
Impacts of fire ants on seed dispersal. (University of Georgia, M.S., L. K. Kirkman)	Margaret Shearin
Developing wildlife habitat models for select species at Fort Bragg.	Jason Scott

(University of Georgia, Ph.D., L. M. Conner)
Associations between upland snake assemblages
and longleaf pine forests.
(Auburn University, Ph.D., L. L. Smith)

Dave Steen

New Student.
(University of Georgia, M.S., L. K. Kirkman)

Stribling Stuber

Population dynamics and habitat use of shoal bass
in the Lower Flint River, Georgia.
(University of Georgia, M.S., S. W. Golladay)

Andrew Taylor

Dynamics of CO₂ in Longleaf Pine savannas.
(University of Alabama, M.S., R. J. Mitchell)

Andy Whelan

Controls of reproduction and recruitment of
legumes in the longleaf pine-wiregrass ecosystem.
(Auburn University, M.S., L. K. Kirkman)

Scott Wiggers

New Student.
(University of Georgia, M.S., L. M. Conner)

Meg Williams

*The influence of fire regime on carbon cycling in pine
grassland savannas of the southeastern U.S.*
(University of Edinburgh, Ph.D., R. J. Mitchell)

Jenny Wright

Conservation Interns/Apprentices

Phillip "Buck" Booker. 2010-present. M.S. Warnell School of Forestry and Natural
Resources, University of Georgia.

Scientific Advisory Committee

Dr. Gene E. Likens – Chair (1988- present)
Distinguished Senior Scientist, Ecologist
Founding Director and President Emeritus
Cary Institute of Ecosystem Studies

Dr. Jerry F. Franklin (1988-present)
Professor of Ecosystem Management
College of Forest Resources
University of Washington

Mr. Robert Larimore (2010-present)
Natural Resource Specialist
US Army Installation Management Command (IMCOM), Southeast Region
Fort McPherson, Atlanta, Georgia

Dr. Robert J. Naiman (1993-present)
Professor
School of Fisheries
University of Washington

Dr. Nova Silvy (2010-present)
Regents Professor
Department of Wildlife and Fisheries Sciences
Texas A&M University

Staff

Scientists

Lindsay R. Boring - Director, Scientist, Forest Ecology
Adjunct Associate Professor - University of Georgia
Courtesy Professor - University of Florida

L. Michael Conner - Associate Scientist, Wildlife Ecology
Adjunct Assistant Professor - University of Georgia
Adjunct Assistant Professor - Louisiana State University
Adjunct Assistant Professor - Mississippi State University
Adjunct Assistant Professor - Utah State University
Adjunct Assistant Professor - University of Florida

Stephen W. Golladay - Associate Scientist, Aquatic Ecology
Adjunct Associate Professor - University of Georgia

D. Woody Hicks - Scientist, Groundwater Hydrology

Steven B. Jack - Conservation Ecologist, Applied Forest Scientist
Affiliate Assistant Professor-Auburn University
Courtesy Associate Professor-University of Florida

L. Katherine Kirkman - Associate Scientist, Plant Ecology
Adjunct Assistant Professor - University of Georgia
Affiliate Assistant Professor - Auburn University
Adjunct Assistant Professor - University of Florida

Robert J. Mitchell – Scientist, Forest Ecology and Silviculture
Adjunct Associate Professor - University of Georgia
Adjunct Associate Professor - Auburn University
Adjunct Associate Professor - University of Florida
Adjunct Associate Professor - Virginia Tech
Adjunct Associate Professor - Florida State University

Lora L. Smith - Associate Scientist, Wildlife Ecology
Adjunct Assistant Professor - University of Georgia
Courtesy Assistant Professor - University of Florida
Affiliate Assistant Professor - Auburn University
Adjunct Assistant Professor - Texas A&M University
Adjunct Assistant Professor - University of Maine

Research Technicians

Stephanie E. Allums – Central Lab Manager

James P. Bradley - Research Technician / Field Engineer II

Brian A. Clayton - Monitoring Technician II, Groundwater Hydrology

Noah Jansen – Lead Technician I, Forest Ecology

Melanie J. Kaeser – Lead Technician II, Plant Ecology

Jennifer M. Linehan – Lead Technician I, Herpetology

Jason D. McGee – Lead Technician II, Forest Ecology and Silviculture

Jessica C. Rutledge – Lead Technician II, Wildlife Ecology

Nathalie D. Smith – Lead Technician I, Aquatic Ecology

R. Scott Taylor – Lead Technician II, Forest Ecology

Dwan N. Williams - Research Technician II, Forest Ecology

Research Support

Jean C. Brock - Information Technology Manager

Elizabeth P. Cox - Science Librarian

Noore Ghunaym - Network Manager

Micheal G. Simmons – Database / Data Analyst

Education

Jessica D. McCorvey - Education Program Assistant

R. Kevin McIntyre - Education Coordinator

Conservation

James B. Atkinson, Jr. - Natural Resource Manager

Bobby E. Bass - Conservation Technician II

Phillip "Buck" Booker - Conservation Apprentice

Steven B. Jack - Conservation Ecologist

Mark A. Melvin - Conservation Management / Education Technician

Joel L. Rackley - Agricultural Specialist

T. Scott Smith - Assistant Natural Resource Manager

*Jonathan M. Stober - Wildlife Monitoring Biologist

David C. Varnadoe - Conservation Horticulturist

Maintenance and Operations

Dennis J. Williams - Maintenance Manager

Administration

Lindsay R. Boring - Director

Rosanne B. Bohannon - Procurement Specialist / Accounting Assistant

Cindy C. Craft – Administrative and Human Resource Assistant

Larry E. Ethridge - Security Supervisor

Becky H. Gay – Business Administrator

Jessica A. Kelly - Receptionist

Robert S. Lynch - Accountant

Denise R. McWhorter - Assistant to the Director

*has left the Center

Guest Seminars

Battaglia, Dr. Loretta. Assistant Professor, Department of Plant Biology, Southern Illinois University Carbondale, Carbondale, Illinois. Effects of natural and experimental hurricane storm surges on coastal ecosystems of the northern Gulf of Mexico.

Gonynor, Jessica. Ph.D. Student, Wildlife Ecology and Management, Warnell School of Forestry and Natural Resources, University of Georgia and Southeastern Cooperative Wildlife Disease Study (SCWDS). Molecular methods at the Jones Ecological Research Center: Applications of PCR technology in disease ecology.

Griffin, Dr. Dale W. Environmental/Public Health Microbiologist, United States Geological Survey (USGS), Tallahassee, Florida. Transoceanic atmospheric transport of microorganisms to the continental U.S. in clouds of desert dust: Issues in human and agricultural health.

Havel, Dr. John. Professor, Department of Biology, Missouri State University, Springfield, Missouri. Biological invasions: The roles of dispersal and invisibility.

Jackson, Dr. Stephen. Professor, Department of Botany, University of Wyoming, Laramie, Wyoming. Ecological novelties: A core challenge for conservation and resource management.

Jenkins, Dr. Dave. Associate Professor, Department of Biology, University of Central Florida, Orlando, Florida. Interactive effects of pasture management, grazing and fire on wetland biodiversity (so far).

Johnson, Dr. Steve A. Assistant Professor, Department of Wildlife Ecology and Conservation, Gulf Coast REC-Plant City Center, University of Florida, Plant City, Florida. Good frogs in bad places: Exploring solutions to problems caused by invasive anurans.

Kaeser, Dr. Adam J. Aquatic Ecologist, Wildlife Resources Division, Fisheries Sections, Georgia Department of Natural Resources, Albany, Georgia. Population dynamics of introduced flathead catfish in South Georgia.

Larsen, Dr. David. Professor of Forestry, School of Natural Resources, University of Missouri, Columbia, Missouri. Spatial data analysis in forestry: Some old and new ideas.

Levin, Dr. Michael L. Supervisor, Medical Entomology Laboratory, Rickettsial Zoonoses Branch, Centers for Disease Control and Prevention, Atlanta, Georgia. Applied public health research on tick-borne rickettsial agents at the CDC Medical Entomology Laboratory.

Loudermilk, Louise. Ph.D. Candidate, School of Natural Resources and Environment, University of Florida. Linking plant demography, competition and fire: Simulation modeling of longleaf pine savannas.

Martin, Glenn. M.S., Warnell School of Forestry and Natural Resources, University of Georgia, Athens, Georgia. Evaluating land use and isolated wetlands in the Dougherty Plain, Georgia, USA.

Morris, Gail. M.S. Candidate, Department of Wildlife Ecology and Conservation, University of Florida, Gainesville, Florida. Effects of mammalian predator exclusion, supplemental feeding and prescribed fire on small mammals in a Longleaf Pine ecosystem.

Pieterse, Corrie. M.S. Candidate, Research Associate, West Florida Research and Education Center, University of Florida. Distribution and control of Japanese climbing fern (*Lygodium japonicum*) in Southeastern forests.

Tschinkel, Walter R. R.O. Lawton Professor, Department of Biological Science, Florida State University, Tallahassee, Florida. The organization of foraging in fire ants.

Whitehead, Eva. M.S. Student, Odum School of Ecology, University of Georgia. Adult mosquito ecology in southwestern Georgia.

*Zedler, Dr. Joy. Aldo Leopold Professor, Restoration Ecology, Botany Department and Arboretum, University of Wisconsin, Madison, Wisconsin. Restoring ecosystem services and diverse vegetation: Compatible goals

* Distinguished Lecture