

Results of 2001 Fellows Survey

Part One: Curriculum

1. Did your institution offer a major, minor, or concentration in environmental studies in 1997-98 or 2000-01? Check () all that apply.

97-98	00-01	N=15 Institutions
11	3	No
2	5	Yes, Major
2	6	Yes, Minor
0	3	Yes, Concentration
3	12	Sum of Yes

2. If you answered yes in Question 1, how many students were enrolled in the Environmental Studies program 1997-98 or 2000-01?

97-98	00-01	N=15 Institutions
53	75	Major
16	53	Minor
0	39	Concentration
69	167	Sum

3. In 1997-98 and 2000-01, how many courses at your institution had environmental topics as

97-98	00-01	N=15 Institutions
95	150	the main component
65	109	an underlying component
42	75	a module within the course
202	334	Sum

4. Please list any new courses that have an environmental component that have been added to your curriculum since the inception of the ACS Environmental program in 1997-98.

Seventy new courses have been added at 15 institutions.

5. ACS has sponsored a number of workshops on the environment and curriculum. For each of the workshop listed below, please check () if your institution participated.

N=15	Curriculum Workshop
11	The Environmental Curriculum @ University of Richmond (June 23-24, 1998)
2	Developing On or Near-Campus Watershed Laboratories for Education and Research @ Furman University (June 25-27, 1998)
14	Sustainability and the Liberal Arts: Course Development and Institutional Transformation @ Hendrix College (October 4-7, 1998)
13	Broadening the Classroom @ BSC (October 15-17, 1998)

6. Estimate the percentage of faculty members teaching environmentally-related courses in 1997-98 and 2000-01.

97-98	00-01	Institution (N=15)
5	6	BSC
10	10	Centenary
9	11	Centre
15	25	Davidson
6	8	Furman
4	10	Hendrix
5	11	Millsaps
15	18	Morehouse
6	8	Rhodes
7	7	Richmond
5	8	Rollins
15	20	Sewanee
5	10	Southwestern
2	5	Trinity
3	8	W&L
7.47	11.00	Average

Part Two: Student Engagement

1. Please check () each of the following opportunities that were available on your campus in:

97-98	00-01	N=15 Institutions
1	2	Student Environmental Center
0	4	Ecology House or Environmental Dormitory or Hall
0	3	Orientation program(s) on sustainability for students
8	13	Student Group(s) with an environmental focus
0	4	Other: Community-Based Service Learning, Organic Food Group
9	26	Sum

2. If you checked Student Group(s) with an environmental focus in items 1 or 2, please estimate the number of student members in each of the following years:

Institution	1997-1998	1998-1999	1999-2000	2000-2001	4 Year chg.
Centenary	11	7	9	7	-4
Centre	0	30	30	35	35
Davidson	15	20	25	30	15
Furman	30	40	40	55	25
Hendrix	20	25	40	100	80
Millsaps	0	15	20	30	30
Morehouse	10	10	25	50	40
Rhodes	15	0	0	70	55
Rollins	0	0	0	0	0
Sewanee	5	8	8	15	10
Southwestern	0	10	25	40	40
W&L	50	75	100	125	75
Sum	156	240	322	557	401

3. How did your institution encourage students to consider environmental issues when choosing a career path in 1997-98 and 2000-01? Please check () all that apply.

97-98	00-01	N=13 institutions
3	9	Directory of environmental internships
1	8	Job fairs and career counseling focused on environmental work
1	4	Electronic resume source
3	9	Other: Personal Contact by Faculty
8	30	Sum

4. Estimate the percentage of students on your campus that were engaged in activities related to environmental citizenship in 1997-98 and 2000-01.

97-98	00-01	Institution (N=14)
1	1	BSC
3	3	Centenary
2	3	Centre
20	35	Davidson
5	15	Furman
5	15	Hendrix
5	6	Morehouse
3	8	Rhodes
1	1.5	Richmond
5	7	Rollins
2	5	Sewanee
5	15	Southwestern
2	5	Trinity
2	10	W & L
4.36	9.25	Average

Part Three: Campus Operations

1. For each of the operational practices listed below, indicate with a check () whether your institution had a program in place in 1997-98. Do the same for 2000-01.

97-98	00-01	N=13 Institutions
2	2	Environmental Coordinator on Staff
3	4	Indoor air quality standards and practices
1	7	Building construction and renovation based on ecological design
5	13	Energy conservation (in offices, laboratories, libraries, etc.)
0	1	Local or organic food purchasing program
0	6	Green Purchasing
5	11	Waste reduction practices
8	14	Recycling of solid waste (including paper, plastic, metal, etc.)
1	3	Transportation program
3	13	Water conservation practices
1	4	Integrated Pest Management practices
3	8	Sustainable landscaping
0	3	Other (please specify): Ecoscapes
32	89	Sum of Programs

2. ACS has sponsored a number of workshops on Campus Operations. For each of the workshops listed below, please indicate your institution’s participation with a check.

N	Workshops
13	Sustainable Campus Development Clinic II (November 10 12, 2000)
4	Heritage Resources Management (November 11-14, 1999)
3	Planning Charette for Education Site at Trinity (November 5-7, 1999)
8	Sustainable Campus Development Clinic (February 12-14, 1999)
15	Greening of the Campus (October 15-17, 1998)

3. Has your institution conducted an environmental audit in the last 3.5 years?

No	Yes	N=13 Institutions
		BSC
		Centenary
		Centre
		Davidson
		Furman
		Hendrix
		Millsaps
		Morehouse
		Rhodes
		Richmond
		Rollins
		Sewanee
		Southwestern
		Trinity
		W & L

4. If you answered yes to question 3, please specify any action taken to implement the audit’s recommendations.

<ul style="list-style-type: none"> • BSC – Lighting retrofits, energy management system • Centenary – Student initiated (now institutionalized) recycling program • Centre – It now looks as if our recycling program will be institutionalized, but that is not really due to the audit; it is because Chris Barton as Env.Fellow convinced others to put it in our strategic plan, and the person in charge of the plan is truly trying to follow through. • Hendrix – Ecoscape pending, recycling program initiated, energy conservation actions taken • Morehouse - shower heads; lighting in classrooms; lighting in new buildings; heating and cooling efficiency • Rhodes – Solid Waste Audit (Garbology study) lead to campus wide paper, aluminum, and cardboard recycling program. • Rollins - The audit is still being completed, but we are putting green ideas into our campus master planning. Such as trading park spots for green spaces and concentrations of native planting. Also minimizing auto impact on campus by narrowing roads and adding sidewalks. • Southwestern – implementing, planning a campus-wide recycling initiative, installing low-flow showerheads in green dorm • Trinity – none yet
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5. Has your institution been the beneficiary of an ACS Energy Challenge Grant in the last 3.5 years?

No	Yes	
		BSC
		Centenary
		Centre
		Davidson
		Furman
		Hendrix
		Millsaps
		Morehouse
		Rhodes
		Richmond
		Rollins
		Sewanee
		Southwestern
		Trinity
		W & L

6. If you answered yes to question 5, please specify the nature of the grant and what has been done to disseminate results to other ACS institutions.

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| <ul style="list-style-type: none"> • BSC — Lighting retrofits in dorm. See article in ACS Environmental Newsletter • Furman – Eco-Cottage (Disseminated through news releases, forthcoming Environmental Citizen article), Green bike program (proposed) • Hendrix – results in process of being compiled and distributed • Rhodes – Energy Grant for Lighting Efficiency (motion lighting in classrooms and new efficient exits signs throughout campus. Results were publicized to Rhodes Campus through classroom lecture, article is being submitted to Environmental Citizen on this topic. • Sewanee – Low flow showerheads in select dorms and study of motion light sensors • Southwestern – funding for low-flow showerheads process is on-going |
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7. Has your institution received any external funding from sources other than ACS to initiate projects in the area of Campus Operations? Please specify:

No	Yes	Institution	Specify
		BSC	NA
		Centenary	
		Centre	
		Davidson	
		Furman	SC Dept of Health & Environmental Control
		Hendrix	
		Millsaps	
		Morehouse	NA
		Rhodes	
		Richmond	PKAL workshop on environmental programs
		Rollins	Demonstration butterfly garden at the Child Development Center
		Sewanee	
		Southwestern	
		Trinity	
		W & L	

Part Four: Environmental Research

1. What percentage of faculty members did research on environmental issues in 1997-98 and 2000-01?

97-98	00-01	N=14 Institutions
2	3	BSC
4	5	Centenary
7	8	Centre
10	10	Davidson
2	5	Furman
2	6	Hendrix
3	6	Millsaps
6	8	Morehouse
1	1	Rhodes
5	8	Rollins
5	8	Sewanee
2	5	Southwestern
3	4	Trinity
3	5	W & L
3.93	5.86	Average

2. Please list any research or scholarly activities at your institution related to the environment:

- BSC – Economic research re: non-market valuation and Wetlands research
- Centenary – Native plants and their landscape uses, Hydrology of the Red River Aquifer, History of large oil spills and their impact, The Gaia hypothesis as a model for divine providence
- Centre – GIS work in land use survey; Conservation biology of ginseng; Conservation biology of monkeys; Ecophysiology of fish; Predator/prey relationships in fish; Effects of sludge applications on growth of trees
- Davidson – faculty whose research generally focuses on environmental issues are: Pat Peroni, Dave Martin, Annie Ingram, Lynn Poland, Mark Stanback, Mike Dorcas, Dave Grant, Larry Cain, Richie King, Sally McMillen, Russ Snapp, Brenda Flanagan, Lakhi Sabaratnam, Gayle Kaufmann
- Furman – Geological, biological, chemical, sociological, economic research related to watersheds and watershed development in upstate SC
- Hendrix – Independent faculty projects in Biology, Chemistry, Sociology, Anthropology, Religion and Politics.
- Millsaps – Creation of the Living in the Living in the Yucatan Course
- Morehouse – Environmental Justice seminar; Neighborhood Ecology and Crime; Ecosystem research in biology and physics; environmental ethics research in political science; urban studies and urban sociology research; participation in neighborhood research and neighborhood planning.
- Rhodes – Fresh water mussel distribution and growth (faculty) plus 5 student research projects on environmental issues
- Rollins – Bruce Stephenson, A Vision of Green: Lewis Mumford's Legacy in Portland, Oregon. Journal of the American Planning Association. (Summer 1999)
- Pedro Bernal – Water purification in the Dominican Republic
- Sewanee – Research in ecology, conservation, forestry, geology, hydrology, archaeology, economics, political science, philosophy. Funded by ACS + state and federal grants.
- Southwestern – Environmental Chemistry -- Religion & Ecology -- Environmental History -- Native Plants of Texas -- Biological Research in Texas
- Trinity – Air pollution monitoring and modeling -- physics Rodent Ecology -- biology hydrology -- geoscience GIS -- geoscience Environmental Economics -- Economics History of Western Water – History

3. Has your institution been the beneficiary of an ACS Environmental Citizenship Grant in the last 3.5 years?

No	Yes	Institution
		BSC
		Centenary
		Centre
		Davidson
		Furman
		Hendrix
		Millsaps
		Morehouse
		Rhodes
		Richmond
		Rollins
		Sewanee
		Southwestern
		Trinity
		W & L

4. Besides ACS, Has your institution received any external funding to initiate projects in the area of Environmental Research in the last 3.5 years? Please specify:

No	Yes	Institution	Specify
		BSC	
		Centenary	
		Centre	An ESRI grant for GIS software
		Davidson	
		Furman	NSF-REU, SC Dept of Health & Environ. Control, Rockefeller
		Hendrix	SILO Grant and ASTA Grant for conservation grasslands. US PARK SERVICE grant for national waterways and rivers.
		Millsaps	Geochemical investigations in Yellowstone, Biological and archaeological research at Blue Ridge Center. Funding to purchase acreage in Yucatan Peninsula to establish a field research station.
		Morehouse	The college is involved in federally funded neighborhood revitalization projects. It also has funding for some environmentally related community service projects.
		Rhodes	
		Richmond	
		Rollins	Three different projects
		Sewanee	Ecol., conservation, forestry, geol., hydrology, archaeology, econ., political science, philosophy. Funded by state and federal grants.
		Southwestern	
		Trinity	Some small research grants.
		W & L	Maury River Alliance to study water quality in the region.

Part Five: Outreach & Service

1. How many students were involved in environmentally related community service, service learning and/or internship programs at your institution in 1997-98 and 2000-01?

97-98	00-01	Institution (N=13)
50	40	BSC
NA	NA	Centenary
20	30	Centre
50	100	Davidson
20	25	Furman
20	100	Hendrix
NA	NA	Millsaps
30	50	Morehouse
35	110	Rhodes
4	5	Richmond
70	85	Rollins
10	30	Sewanee
10	40	Southwestern
20	60	Trinity
5	30	W & L

2. How many programs involving environmentally related community service, service learning and/or internship programs were available at your institution in 1997-98 and 2000-01?

97-98	00-01	Institution (N=14)
4	4	BSC
4	3	Centenary
NA	NA	Centre
5	10	Davidson
6	7	Furman
2	7	Hendrix
NA	NA	Millsaps
5	8	Morehouse
4	7	Rhodes
1	5	Richmond
5	7	Rollins
2	5	Sewanee
2	6	Southwestern
0	4	Trinity
0	4	W & L
30	62	Sum

Part Six: Institutionalization

1. Institutions committed to the environment and sustainability create certain positions and committees, as well as engage in certain practices which reinforce this commitment. Please check () each of the following that were present on your campus in 1998 and 2001.

97-98	00-01	N=11 Institutions
3	8	Environmental Council or Task Force
2	6	Environmental Coordinator- (1) student or (4) staff member
2	2	Energy Officer
0	1	Green Purchasing Coordinator
1	4	Declaration of Environmental Responsibility in Mission Statement
0	2	Orientation programs on sustainability for faculty and staff
2	8	Environmental audits
1	3	Other: ESC, RPC