

FOIA MARKER

**This is not a textual record. This is used as an
administrative marker by the William J. Clinton
Presidential Library Staff.**

Collection/Record Group: Clinton Presidential Records
Subgroup/Office of Origin: Americorps
Series/Staff Member: General Files
Subseries:

OA/ID Number: 24229
FolderID:

Folder Title:
[Miscellaneous] [3]

Stack:	Row:	Section:	Shelf:	Position:
S	66	1	5	2



UNITED STATES DEPARTMENT OF EDUCATION
OFFICE OF INTERGOVERNMENTAL AND INTERAGENCY AFFAIRS

September 30, 1993

MEMORANDUM

TO: Joel Berg
Department of Justice USDA

FROM: David Wofford *DW*
Director of Interagency Affairs

SUBJECT: Federal Interagency Working Group Meeting October 8

The next meeting of the Federal Interagency Working Group is 1:30 p.m. -2:30 p.m., October 8, in Room 3000 at the Department of Education, 400 Maryland Avenue SW. The Department of Education has recently transmitted its reauthorization of the Elementary and Secondary Education Act (ESEA) to Congress. Bill Lobosco, Deputy Director of Compensatory Education programs will discuss the reauthorization proposal, which would dramatically change the way funds for disadvantaged children are targeted.

The Agenda for the meeting will be:

- | | |
|--|---------------|
| 1. Agency briefing | TBA |
| 2. Elementary and Secondary Education Act briefing | Bill Lobosco |
| 3. Education Satellite Town Meeting Video | |
| 4. Current Activities Update | |
| o Federal Program Inventory | Chris Kelly |
| o Communications Vehicle Inventory | David Wofford |
| o Interagency Committee Inventory | Gary Hanna |
| 5. On the Drawing Board | Gary Hanna |
| o Federal Education Network | |
| o Education Document Exchange | |
| o White House Education Events Calendar | |
| 6. New Business | |

Attached is a copy of the Federal Program Inventory for your agency, which we discussed at the last meeting. The inventory has taken some time and hard work to get to the first draft. The document is supposed to list all education programs in the agency. We would like you to review it for accuracy. There may be duplications, errors or omissions that need to be corrected. It also needs contact names and phone numbers. We hope you can start on it so that by the end of October we can have as complete an inventory as possible. We will discuss this further at the October 8 meeting.

I look forward to seeing you there.

Agency	Program Name	Goal Number	Cross-Ref	CFDA #	1992 App.	1993 App.	Program Manager
Department of Agriculture	CACFP (?)	1			1189.4	1331.4	
Department of Agriculture	External Services: Home Economics/Human Nutrition	1			60.5	60.5	
Department of Agriculture	Women, Infants, and Children (WIC)	1			2600.0	2860.0	
Department of Agriculture	ARS: Research Apprenticeship	?			0.5	0.5	
Department of Agriculture	CoopStateRes: Agriculture in the Classroom	?			0.2	0.2	
Department of Agriculture	CoopStateRes: Aquaculture Education	?			0.5	0.5	
Department of Agriculture	External Services: 4-H and Youth Development	?			65.5	65.5	
Department of Agriculture	Federal Nutrition Service: School Breakfast	?			801.2	901.4	
Department of Agriculture	Federal Nutrition Service: School Lunch	?			3864.2	4055.2	
Department of Agriculture	Federal Nutrition Service: Summer Feeding	?			202.9	215.7	
Department of Agriculture	Health Nutrition Information Service: Nutrition Educat.	?			0.2	0.2	
Department of Agriculture	Agricultural Research Service: Postdoc. Research Assoc.	?			5.2	5.0	
Department of Agriculture	Ag. Res. Service: Res. Engineer Recruitment/Development	?			0.0	0.0	

Page No. 2
09/30/93

Agency	Program Name	Goal Number	Cross-Ref	CFDA #	1992 App.	1993 App.	Program Manager
Department of Agriculture	CoopStateRes: 1980 Capacity Building	?			10.3	10.3	
Department of Agriculture	CoopStateRes: 1890 Strengthening	?			0.0	0.0	
Department of Agriculture	CoopStateRes: Challenge Grants	?			1.5	1.5	
Department of Agriculture	CoopStateRes: Curriculum Development	?			0.7	0.7	
Department of Agriculture	CoopStateRes: Farmer Career Change	?			0.0	0.0	
Department of Agriculture	CoopStateRes: Graduate Fellowships	?			3.5	3.5	
Department of Agriculture	CoopStateRes: Morrill-Nelson App.	?			2.9	2.9	
Department of Agriculture	Federal Nutrition Service: Food Stamp Emp. & Training	?			157.6	163.4	
Department of Agriculture	Forest Service: 1890 Liaison/Land Grant	?			0.6	0.6	
Department of Agriculture	Forest Service: Forestry Scholarships	?			0.2	0.2	
Department of Agriculture	Forest Service: Historically Black Colleges	?			2.1	2.4	
Department of Agriculture	Forest Service: Tuition Assistance	?			1.0	1.0	
Department of Agriculture	Health and Nutrition Information Service: Nutrition ed.	?			0.6	0.7	

Agency	Program Name	Goal Number	Cross-Ref	CFDA #	1992 App.	1993 App.	Program Manager
Department of Agriculture	Child Nutrition Commodities	1			203.3	225.3	
Department of Agriculture	Extension Service	?			289.0	298.8	
Department of Agriculture	National Agricultural Library	?			2.5	2.5	
Department of Agriculture	Special Emphasis Outreach Program (SEOP) Grants	4	5	10.140	0.1	0.1	
Department of Agriculture	Cooperative Forestry Research (McIntire-Stennis Act)	4	5	10.202	17.7	17.7	
Department of Agriculture	Payments to 1890 Land-Grant Colleges and Tuskegee Univ.	4	5	10.205	26.2	26.2	
Department of Agriculture	Food and Agricultural Sciences National Needs Grants	4	5	10.210	3.4	3.4	
Department of Agriculture	Higher Education Strengthening Grants	4	5	10.211	0.0	0.0	
Department of Agriculture	Sustainable Agriculture Research and Education	4	5	10.215	6.4	6.4	
Department of Agriculture	1890 Institution Capacity Building Grants	4	5	10.216	9.9	9.9	
Department of Agriculture	Higher Education Challenge Grants	4	5	10.217	1.5	1.5	
Department of Agriculture	Technical Assistance to Cooperatives	5		10.350	5.6	5.6	
Department of Agriculture	Technical Assistance and Training Grants	5		10.436	5.4	7.3	
Department of Agriculture	Special Milk Program for Children	1		10.556	20.8	21.9	

Agency	Program Name	Goal Number	Cross-Ref	CFDA #	1992 App.	1993 App.	Program Manager
Department of Agriculture	Special Supplemental Food Prog. for Women, Infants...	1		10.557	1967.9	2153.3	
Department of Agriculture	Summer Food Service Program for Children	1		10.559	189.3	203.2	
Department of Agriculture	Nutrition Education and Training (NET) Program	1		10.564	10.0	15.0	
Department of Agriculture	Schools and Roads Grants to States	?		10.665	318.2	316.7	
Department of Agriculture	Schools and Roads Grants to Counties	?		10.666	6.8	6.8	
Department of Agriculture	National Agricultural Library	4	5	10.700	17.7	17.7	
Department of Agriculture	Distant Learning and Medical Link Grants	?		10.855	5.0	10.0	
					12078.0	13032.6	

<u>Agency</u>	<u>Name</u>	<u>Telephone</u>	<u>Fax</u>
USDA	Gwendolyn L. Lewis	202-720-7854	690-4082
	R. Dean Plowman	202-720-7854	690-4082
	John Maynor	202-720-3631	720-5437
	Joel Berg	202-720-4623	720-5043
DOC	Richard Rodgers	202-482-3663	482-0919
	Phillip Jones	202-482-3281	482-4420
DNC	Caren A. Wilcox	202-863-8137	863-8196
	Tom Janenda	202-479-5109	488-5056
DoD	Ms. Randy N. Eltringham	703-697-0174	693-4959
	Albert B. Arrighi	703-697-2827	697-0896
	Cheryl Y. Marcum	703-697-8202	614-5975
	Tom Wilson	703-697-0334	614-5975
	Carroll Williams	703-697-2275	614-5975
	Otto Thomas	703-746-7865	746-7839
ED	Pat O'Connell Ross	202-219-2169	219-2106
	Eve Bither	202-219-2164	219-2106
	Anne Elliott	202-586-1607	586-8006
DOE	Marge Dwyer	202-586-8951	586-0019
EPA	Brad Smith	202-260-4965	260-0790
HHS	Jennifer Chang	202-401-1526	401-5770
HUD	Susan Rocha	202-708-0030	708-3707
DOI	Dolores Chacon	202-208-4123	
	Nancy K. Hayes	202-208-3181	208-6950
DOJ	Emily Martin	202-307-5940	
	John Wilson	202-307-5940	
	David B. Wolf	202-514-2078	514-9149
	Robert Samuels	202-307-1357	514-1770
NASA	Julie Meredith	202-358-1055	358-4340
	Angela M. Phillips	202-358-0807	358-4329
	Bill Burnette	202-358-1630	358-3032
	Mr. Frank Owens	202-358-1110	358-3048
NEA	Jennifer Conovitz	202-682-5420	682-5423
	Robbie McEwen	202-682-5426	682-5613
	Doug Herbert	202-682-5426	682-5613
NEH	Jeff Thomas	202-606-8428	
	Martha Chowning	202-606-8355	606-8588
NSF	Conrad Katzenmeyer	202-357-7425	357-9805
DOTransp	Carol Zock	202-366-2764	366-7777
DOTreas	Lucy Huffman	202-622-2350	622-1294
	Ed Knight	202-622-0027	
	Sara Fortuncy		
USIA	Barry Ballow		401-1433
W.H.	Jeffery Watson	202-456-2896	456-2889
	Marcia Hale	202-456-7060	456-6220

MEETING REPORT
ED Federal Interagency Work Group Meeting
Friday, September 10, 1993

Participants:

Martha Bryan, ED/OSEP
Dilcion Gonzalez, Interior
Sandra Fox, Interior/BIA
Ken Snyder, ED/OLCA
Daphna Crotty, ED/OGC
Stephanie Zak Jerome, NASA/FCCSET-CET
Lawrence Bussey, ED/OCR
Thelma Leenhouts, ED/OERI
Michelle Doyle, ED/OPE
Chris Kelly, ED/OIIA
Doug Herbert, NEA
Marge Dwyer, DOE
Jeff Thomas, NEH
Albert Arrighi, USAF
Bob Samuels, Justice
Ray Van Buskirk, ED/OHRA

Sarah Fortney, Treasury
Pat Aragon, Interior
Grace A. Ross, ED/OESE
Mary Anne Schmitt, ED/OIIA
Bill Burnette, NASA
Kae Rairdin, ED/OLCA
Peggy Smith, ED/OIIA
Joyce Rice, ED/OVAE/PAS
Tom McMahan, Defense
Danica Petroschius, ED/OUS
Tony Fowler, ED/OIIA
Pat O'Connell Ross, ED/OERI
Richard Hood, USDA
Otto Thomas, DoD/OSD/Educ. Act
John Roddy, ED/OIIA
David Wofford, ED/OIIA

Members Absent:

Cheryl Marcum, DoD/Army
Carroll Williams, DoD/Army
Susan Rocha, HUD
Jennifer Chang, HHS
Brad Smith, EPA
Caren Wilcox, DNC
Carol Zock, DOTransportation

Tom Wilson, DoD/Army
Jeffrey Watson, W.H.
Richard Rodgers, DOC
Marcia Hale, W.H.
Tom Janenda, DNC
Barry Ballow, USIA
Conrad Katzenmeyer, NSF

Next Meeting: 2:00 p.m., October 8, in Room 3000, U.S. Department of Education, 400 Maryland Ave., S W.

David Wofford, Acting Director of Interagency Affairs, opened the meeting and welcomed participants for joining us. He noted that this is the fourth meeting of the Federal Interagency Working Group in 1993.

I. Update of major Education Initiatives. Ken Snyder, Office of Legislation and Congressional Affairs.

Mr. Snyder discussed four major legislative initiatives:

(1) Goals 2000: Educate America Act

It is moving through Congress successfully. It was approved by the Education Committee in both the House and the Senate. It is expected to be on the floor to pass in this calendar year. It will be on the Senate floor by the end of September. The House has the same timeframe.

(2) School to Work Opportunity Act

President Clinton announced the initiative this last week at a program in Detroit that has a work-based/on the job/paid work/school-based component. It is designed to improve skills and prepare people for careers. The Detroit program is designed to prepare young people for careers in navigation and air traffic control. The legislation was introduced before recess. Several businesses and labor are supporting it. Hearings are to be held towards the end of this month. There is hope that it will be passed this calendar year.

(3) Elementary and Secondary Education Act

This is a big proposal. They have been briefing Congressional staff members to acquaint them with it. They estimate that it will take about a year to pass -- probably by the end of 1994.

(4) State Schools Act

This will help schools in the highest crime areas to make safer schools. There will be more metal detectors and more security guards. The bill has been introduced. A Hearing is scheduled for September 23. Deputy Secretary Kunin will be testifying.

David Wofford noted that approximately 2/3 of the Safe School funds are to be focused on prevention activities, and 1/3 of the funds will focus on hardware, such as metal detectors.

II. Presentation on the Department of Energy's Education Programs. Margaret Dwyer, Program Manager, Office of Science Education and Technical Information, DOE. (Materials are attached that provide details on the programs mentioned below)

The DOE education mission is to support and to ensure that there is an adequate and quality workforce and to develop the scientific literate capacity in the country as well. "The Department of Energy is entrusted to contribute to the welfare of the Nation by providing the scientific foundation, technology, policy and institutional leadership necessary to achieve efficiency in energy use, diversity in energy sources, a more productive and competitive economy, improved environmental quality, and a secure national defense."

She showed an Organization Chart featuring the organizational changes in the agency under Secretary O'Leary. Some offices have been renamed, such as the Scientific Education and Technical Information office which was formerly the Office of Science

Education and University Programs. Mr. Rich Stevens is still the Director. Terry Cornwell-Rumsey runs the Office of Science Education and Technical Information Office. DOE also supports the Federal Coordinating Committee on Science, Engineering and Technology, and chairs some committee meetings.

She discussed DOE's 1990-93 Education funding, which has tripled from FY 90 to FY 93.

Some characteristics of their science education support: combines generic focus (keyed to the National Education Goals) with mission-related needs; encompasses entire pipeline-K through postdoc; major emphases at precollege, undergraduate and graduate levels; and precollege programs that are principally centered around DOE national laboratories including scientists, facilities/equipment, technical resources, "hands-on" experiences for teachers/students, programs developed by/for teachers, and partnerships with schools, school districts, private and public sector agencies.

DOE tries to use Federal dollars to leverage other dollars; they require that grants and programs be systemic in nature; and ask labs to hear committee developed strategic plans. They do not have restructuring expertise locally and are looking to ED to help.

Their Federal Science, Mathematics, Engineering, and Technology Education Strategic Planning Framework's strategic objectives are to: improve science and mathematics performance; create a strong elementary and secondary teacher work force; have an adequate pipeline for science and technology work force; and improve public science literacy.

DOE's legislative authority for science education programs includes:

(1) The DOE Science Education Enhancement Act of 1990 authorized the Department to establish programs to enhance the quality of math/science/engineering education; and includes authorization for administrative leave for mentoring/counselling, tutoring, etc.; and use of Department facilities for precollege/university-level education programs.

(2) The Excellence in Mathematics, Science and Engineering Act of 1990 authorized DOES to establish/conduct programs to enhance science/mathematics/engineering education and requires annual report to the Secretary of Education on DOE education activities.

She mentioned a variety of pre-college programs:

- Preservice Teacher Enhancement Program (PRETEP). Under this program, four-year colleges/universities are eligible. It encourages a variety of innovative approaches, including: transfer of research experiences, master teachers, conferences, women and underrepresented minorities, high school students, elementary school mathematics and science specialists, and collaboration between science/mathematics and education departments. Their average award is \$100,000.
- Prefreshman Enrichment Program (PREP) is a four-week summer enrichment program for grades 6-10. Activities include: "Hands-On" labwork; field trips, counseling; and enrichment classes. Awards average \$42,000/2 years.
- Precollege Evaluation Report, a four-year grant with the National Center for Improving Science Education.
- Museum Science Education Program to enhance public awareness and encourage all young people to consider careers in science and technology.
- University/Laboratory Based Cooperative Education Program. This program includes: faculty and student research participation; graduate students dissertation support; seminars, short courses, and training institutes; traveling lecture programs; and undergraduate opportunities.
- FERMI National Accelerator Laboratory Science Education Center will provide central facility/organization focus for FERMILAB science education programs.
- Oak Ridge Associated Universities Science and Mathematics Action for Revitalized Teaching (SMART) program will enhance education in science and mathematics in urban areas with large minority constituency and rural areas with economically disadvantaged population.
- Princeton Plasma Physics Laboratory's Trenton Initiative will improve science/math teaching in inner city schools.

She said geography is a problem since some communities are underrepresented. DOE is addressing the needs of school systems that are at the poverty level and the need for teacher development enhancements.

Other areas of interest include: public science literacy; precollege evaluation effort; building the capacity of labs to produced templates to compare program design to the best research and practice; and developing indicators -- pulling together to develop

instructions to see how cost effective and useful they are. She displayed a copy of their 1992 catalog and said that the 1993 catalog would be coming out soon. They are very carefully promoting curriculum development. She mentioned three areas:

- Pacific Northwest Laboratory. Its goal is to improve science and mathematics performance at the middle schools level.
- The Los Alamos National Laboratory and Sandia National Laboratory. Its program is Teacher Opportunities to Promote Science (TOPS), and its goal is to enhance science/math teaching in rural middle schools.
- DOE-Sponsored Instructional and Curriculum Materials, e.g., Fossil Energy: "Dinosaurs to Power Plants" (Grades 4-8); Civilian Radioactive Waste Management; Environmental Restoration/Waste Management; and University and Science Education.

QUESTION: How does Energy get around constraints against promoting specific curricula?

She said that Energy does not promote or develop curricula or instruction materials on its own. They do help develop instructional material in partnership with a school or institution. They cautioned labs to help construct instruction materials, not to promote curricula. She said that the only place where they have the curriculum is in California. The Oakland School system invited the Department to help it develop a new curriculum as part of the Bay Area Partnership. This was done under the school system's guidance.

QUESTION: Will the Sandia Labs report be released or followed up on?

Ms. Dwyer said she knows of no plans to release the report or do a follow up. It was prepared by systems engineers, and was very controversial -- in large part because its conclusions suggested that the United States does not have a problem in science and math education. The report noted that more students and more minorities than ever before are graduating from high school. The report has been criticized for failing to recognize that a high school diploma is not proof of competence in subject areas. The report was never reviewed by an expert panel and was written by experts in science and math, but not in science and math education. The release of the report will be up to Sandia labs.

QUESTION: What do you mean by systemic in terms of project?

It means that if there is a State-wide systemic initiative, the project is required to link into it. Secondly, wherever systemic reform is going on, the Federal efforts should tie into it, and, where there isn't systemic reform occurring, ask State partners to look

at the strategic plan and provide help with it. This begins to construct the template. We are hoping to learn from ED.

III. Briefing on Goals 2000 Implementation at the Department of Education. Mary Anne Schmitt, Acting Director of OIIA Goals 2000 Community Outreach.

Ms. Schmitt manages ED's monthly Satellite Town meetings, Goals 2000 Community Outreach strategy and Communications and Outreach Project of Goals 2000. She said Goals 2000: Educate America Act will be the first major education reform bill passed by Congress in 25 years. The Department is taking the initial steps to prepare for its passage so that Education can be ready for the many challenges it presents.

These challenges involve both the implementation of the Act's four titles, but also the internal changes in the Department of Education. As the Secretary's Chief of Staff says, the Bill asks Education to model internally the systemic reforms that we are asking States and communities to undertake. It will require building ownership and understanding of the program among Department employees if Education is to operate in new ways. There are 13 major program and staff Offices operating independently -- often without a lot of cooperation or coordination. The Offices and Department has had to step back to reorganize and begin planning for how the Offices are going to work together under the bill. Many of the same issues arise internally as they do externally with States and communities. Many employees don't know much about the National Education Goals. Most Americans don't even know about them at all.

Mike Cohen, a top aide to the Secretary of Education, is the primary author of the legislation. He is managing the entire Goals 2000 planning effort. He set up a Core GOALS 2000 Implementation Team and divided it into four Action Teams lead by four offices:

- The Office of Education Research and Improvement (OERI) is charged with developing plans for **Standards and Assessment** and the boards created by the bill to deal with these issues
- The Office of Elementary and Secondary Education (OESE) has the lead in developing plans for **State and Local Reform** and for placing these functions in the Department.
- The Office of Vocational and Adult Education is working on **Industry Skill Standards**, in conjunction with the Department of Labor.
- The Office of Intergovernmental and Interagency Affairs (OIIA) is responsible for **Outreach and Communication** to communities, constituents and the general public, working conjunction with the Office of Public Affairs.

Each Action team has representation from all the Offices in the Department. The Goals 2000 effort will have to communicate a new vision for education and education reform after the legislation passes. It will also need to increase the awareness of the general public, teachers, administrators, chiefs, governors, elected officials, etc. People will need to have more information about the National Education Goals.

OIIA, working with all the Offices, is developing an outreach and communications strategy -- essentially a marketing plan for the GOALS 2000 program. As part of this, Education has undertaken an inventory of communication vehicles in all Offices of the Department. It will do the same things for all Federal Departments.

The Action Team is looking at ways to share information and communicate. It will seek out and welcome your input. Intergovernmental Affairs already produces a monthly Goals 2000 community newsletter (Community Update, passed out at the meeting) and is developing a series of publications to support the Goals 2000 effort. She will share this with agencies when these are developed and approved. We are also developing a computer on-line service with teachers to help us develop system and to share those ideas. It is developing training videos that focus on each of the goals. Ms. Schmitt said she foresees organizing training workshops, providing hands-on training at local sites around the country as well -- when regional representatives come on board.

Ms. Schmitt also noted a five-year program by the Ad Council called the "Keep the Promise" Campaign. It is now linked to Goals 2000 and the National Education Goals. The message will be "to keep the promise to every child." Get involved. Be a Goals 2000 school.

How does this affect all of the meeting participants? One thing, many agencies are doing education work. Many people throughout the Federal government don't see themselves as connected to the National Education Goals. That needs to change. She asked David Wofford to discuss the Interagency Inventory project.

Mr. Wofford said that a key question the Department of Education wants to be able to answer when Goals 2000 passes is, "What is the Federal government doing to achieve the National Education Goals." Education has put Chris Kelly on this project. He is building a data base that includes program names, contacts and money. It will be in a DBase format. Every agency will receive a copy. (A preliminary list of programs broken down by agency was given out.)

Each agency will be asked to review the document for accuracy and completeness. The full document is to be sent to agencies when it is completed, which is estimated to be within two weeks. Chris Kelly's phone number is 401-3845.

Mr. Wofford asked each agency representative to ensure that the document is reviewed. He also noted the other interagency activities that have been or will be undertaken: (1) an

inventory of Federal Agency Communications Vehicles (newsletters, computer networks, conferences, other means of communicating to the field and to constituents); (2) a document exchange process; and (3) an inventory of interagency committees that have some relationship to Education.

QUESTION: What does Education hope or expect to get other agencies to do?

David Wofford said that the inventory of Federal education programs will help us get a clear picture of the areas for interagency cooperation. Education would hope to organize its efforts around achieving the National Education Goals. There is a lot of interagency work going on now, for instance, with Labor on The School-to-Work Opportunities Act.

Ms. Schmitt mentioned the arts and humanities, and the Arts Partnership program. She noted the plans for linking the arts projects to the current Goals 2000 communities. Education will develop a strategy to bring agencies together to further the Six Goals. We want to overlap with programs already in place to promote Goals 2000. She noted the possibility of making use of the wealth of documents in the National Archives in reform.

IV. Other Business

a) Pat Ross brought a sample of some material that OERI has completed -- a series of books on Helping Your Child. This is parent-friendly and has been translated into Spanish. There has been a huge response to this. Teachers gave them to parents. She showed a sample of them, and said the complete series is in OERI's publications library.

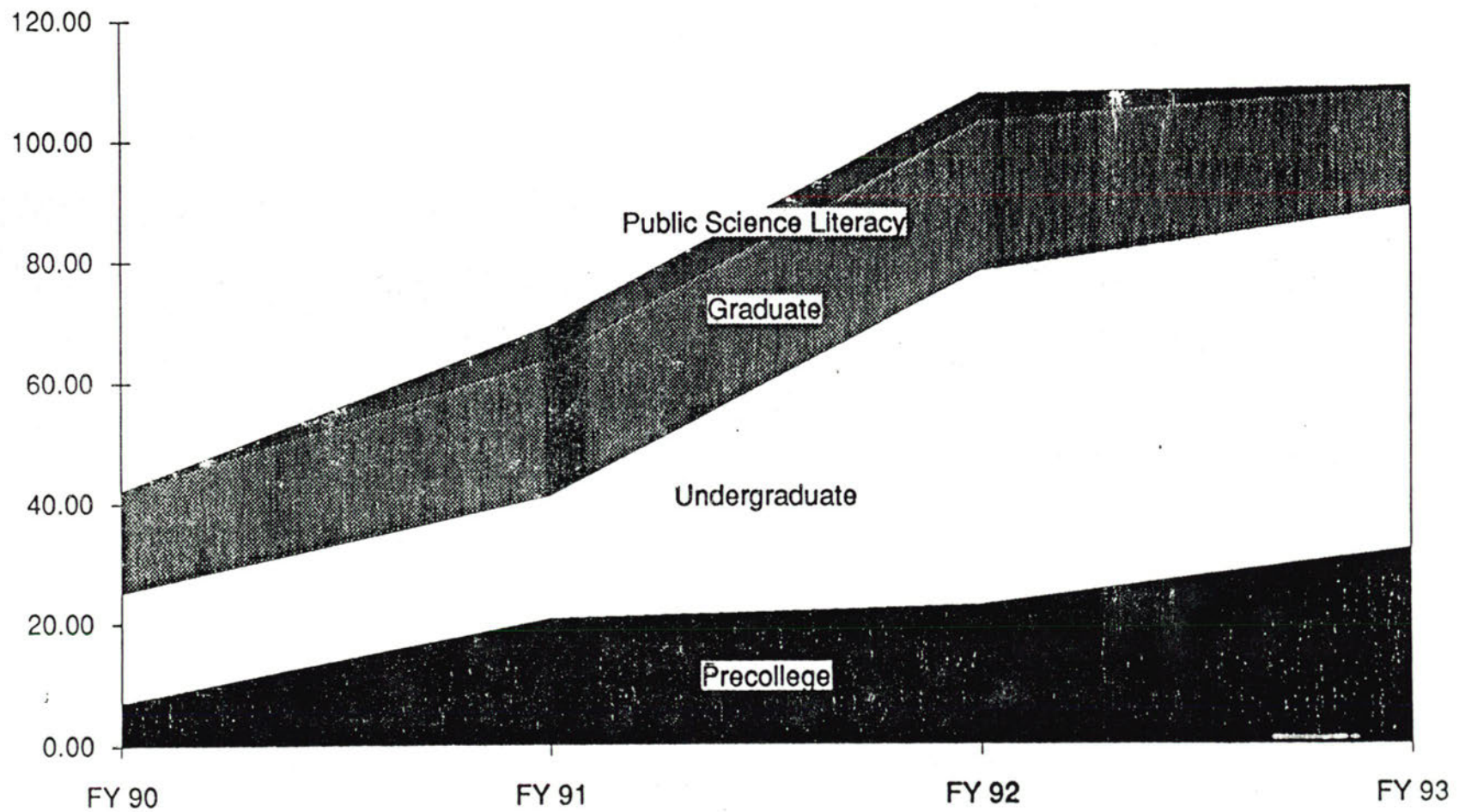
b) October 6th Parenting Fair. An invitation will be extended to agency representatives to visit and participate in Education's Second Annual Parenting Fair from 10:00 a.m. to 3:00 p.m., on the plaza of the headquarters building at 400 Maryland Avenue, S.W. The fair will provide Department parents and interested staff members with publications on parenting topics and information on local services.

MISSION

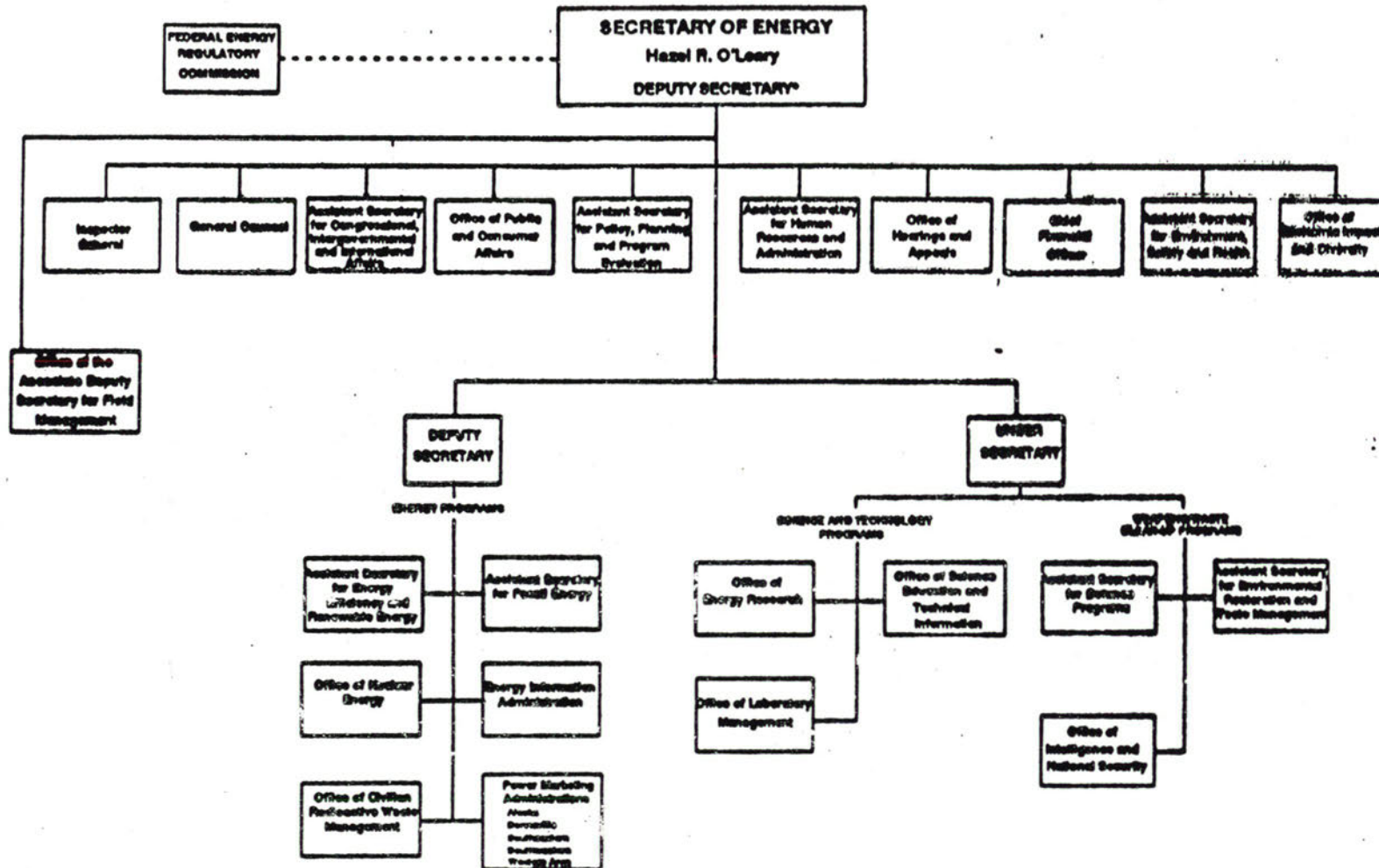
THE DEPARTMENT OF ENERGY
IS ENTRUSTED TO CONTRIBUTE
TO THE WELFARE OF THE
NATION BY PROVIDING THE
SCIENTIFIC FOUNDATION,
TECHNOLOGY, POLICY AND
INSTITUTIONAL LEADERSHIP
NECESSARY TO ACHIEVE
EFFICIENCY IN ENERGY USE,
DIVERSITY IN ENERGY SOURCES,
A MORE PRODUCTIVE AND
COMPETITIVE ECONOMY,
IMPROVED ENVIRONMENTAL
QUALITY, AND A SECURE
NATIONAL DEFENSE.

U.S. DEPARTMENT OF ENERGY

FY 1990 - 1993 DOE Education Funding



DEPARTMENT OF ENERGY



* Deputy Secretary oversees Energy Programs and serves as Chief Operating Officer of the Department within the Office of the Secretary.

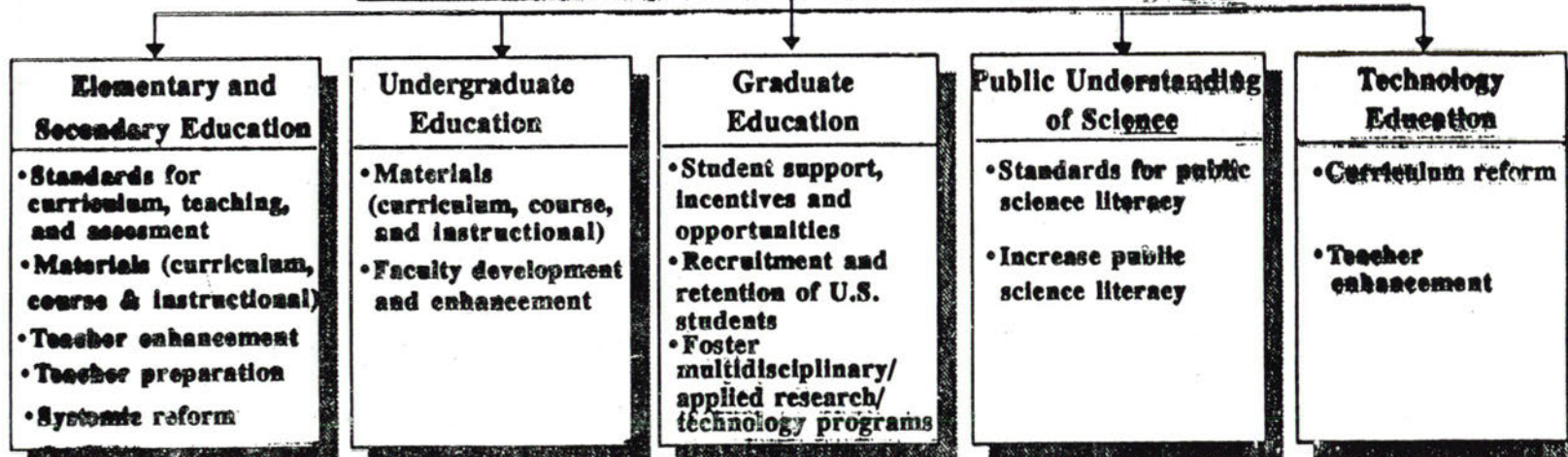


Federal Science, Mathematics, Engineering, and Technology Education Strategic Planning Framework

STRATEGIC OBJECTIVES

1. Improve science and mathematics performance
2. Strong elementary and secondary teacher work force
3. Adequate pipeline for science and technology work force, including greater participation of individuals underrepresented in science, mathematics, engineering and technology education, e.g., women, minorities and persons with disabilities
4. Improved public science literacy

IMPLEMENTATION PRIORITIES



IMPLEMENTATION COMPONENTS

- Evaluation and assessment
- Dissemination and technical assistance
- Educational technologies

DEPARTMENT OF ENERGY CHARACTERISTICS OF SCIENCE EDUCATION SUPPORT

- O COMBINES GENERIC FOCUS (KEYED TO NATIONAL EDUCATION GOALS) WITH MISSION-RELATED NEEDS (NEED FOR MANPOWER IN ENERGY-RELATED DISCIPLINES)**
- O ENCOMPASSES ENTIRE PIPELINE - K THROUGH POSTDOC**
- O MAJOR EMPHASES AT PRECOLLEGE, UNDERGRADUATE AND GRADUATE LEVELS**
 - BROADEN BASE THEN FUNNEL INTO COMMUNITY COLLEGE/UNIVERSITY PROGRAMS**
 - "CAPTURE - CHANNEL - CHALLENGE - COMMIT"**
- O PRECOLLEGE PROGRAMS**
 - PRINCIPALLY CENTERED AROUND DOE NATIONAL LABORATORIES**
 - SCIENTISTS, FACILITIES/EQUIPMENT, TECHNICAL RESOURCES**
 - "HANDS-ON" EXPERIENCES FOR TEACHERS/STUDENTS**
 - PROGRAMS DEVELOPED BY/FOR TEACHERS**
 - PARTNERSHIPS WITH SCHOOLS, SCHOOL DISTRICTS, PRIVATE AND PUBLIC SECTOR AGENCIES**
 - WHAT DO YOU NEED AND HOW CAN WE HELP**

PRESERVICE TEACHER ENHANCEMENT PROGRAM (PRETEP)

- **4 YEAR COLLEGES/UNIVERSITIES ARE ELIGIBLE**
- **ENCOURAGES A VARIETY OF INNOVATIVE APPROACHES, INCLUDING:**
 - **TRANSFER OF RESEARCH EXPERIENCES**
 - **MASTER TEACHERS**
 - **CONFERENCES**
 - **WOMEN AND UNDERREPRESENTED MINORITIES**
 - **HIGH SCHOOL STUDENTS**
 - **ELEMENTARY SCHOOL MATHEMATICS AND SCIENCE SPECIALISTS**
 - **COLLABORATION BETWEEN SCIENCE/MATHEMATICS AND EDUCATION DEPARTMENTS**
- **AWARDS:**
 - **FY93 BUDGET, \$400K**
 - **TWO-YEAR PERIOD**
 - **AVERAGE AWARD, \$100K**

PRECOLLEGE EVALUATION EFFORT

4 year grant with The National Center for Improving Science Education

► SUMMARY OF GOALS FOR PRECOLLEGE PROGRAM EVALUATION

- 1. Determine Contribution to teacher development and student achievement**
- 2. Develop means to determine program quality, what works best and when, short/long term planning**
- 3. Build lab's capacity to deliver effective programs and evaluations**

► PRODUCTS RESULTING FROM THE EVALUATION EFFORT

TEMPLATES - Standardized elements for program effectiveness from research and the best of practice

PROFILES - Intended and actual description of programs as related to their template - a comparison with effective practice

INDICATORS - Reference points for judgement about the condition getting better or worse

EVALUATION METHODS - Evaluation methods appropriate to program and evaluation goals

EVALUATION REPORTS AND GUIDEBOOKS - To make the evaluation effort useful for others

TECHNICAL ASSISTANCE - With evaluation methodologies and tools for Lab and Headquarters education staff

MUSEUM SCIENCE EDUCATION PROGRAM

GOAL: ENHANCE PUBLIC AWARENESS OF AND ENCOURAGE ALL YOUNG PEOPLE TO CONSIDER CAREERS IN SCIENCE AND TECHNOLOGY

- **SUPPORT THE DEVELOPMENT OF THE MEDIA OF INFORMAL ENERGY-RELATED SCIENCE EDUCATION**
 - **INTERACTIVE EXHIBITS**
 - **"HANDS-ON" ACTIVITIES**
 - **FILM/VIDEO PRODUCTION**
 - **MATERIALS FOR CLASSROOM USE**
- **COOPERATIVE DEVELOPMENT TO DESIGN, IMPLEMENT, AND DISSEMINATE CREATIVE INFORMAL MEDIA WHICH FOCUS ON ENERGY-RELATED SCIENCE AND TECHNOLOGY**

PUBLIC SCIENCE LITERACY

UNIVERSITY/LABORATORY BASED COOPERATIVE EDUCATION PROGRAM

- **FACULTY & STUDENT RESEARCH PARTICIPATION**
- **GRADUATE STUDENTS DISSERTATION SUPPORT**
- **SEMINARS, SHORT COURSES, & TRAINING INSTITUTES**
- **TRAVELING LECTURE PROGRAMS**
- **UNDERGRADUATE OPPORTUNITIES:**
 - STUDENT RESEARCH PARTICIPATION (SUMMER)**
 - STUDENT INTERNSHIP/COOP PROGRAMS**
 - SCIENCE AND ENGINEERING RESEARCH SEMESTER (SERS)**

UNDERGRADUATE

FERMI NATIONAL ACCELERATOR LABORATORY

SCIENCE EDUCATION CENTER

**GOAL: PROVIDE CENTRAL FACILITY/ORGANIZATION FOCUS
FOR FERMILAB SCIENCE EDUCATION PROGRAMS**

- **CONSTRUCTION OF NEW FACILITY DEDICATED
TO SUPPORT SCIENCE EDUCATION AND RELATED
PUBLIC INFORMATION PROGRAMS**
 - **SECRETARY WATKINS LED GROUNDBREAKING
CEREMONIES ON OCTOBER 7, 1989**
- **IMPROVE INFORMATION ABOUT AND DEVELOP
APPRECIATION FOR THE SCIENCE AND
TECHNOLOGY OF FERMILAB**
- **OFFER REAL SCIENCE EXPERIENCES THROUGH
INTERACTIVE SCIENCE MATERIALS AND
EDUCATION PROGRAMS**
- **PROVIDE CLEARINGHOUSE FOR SCIENCE
EDUCATORS' IDEAS, MATERIALS AND RESOURCES
TO HOUSE EDUCATIONAL MATERIALS**

OAK RIDGE ASSOCIATED UNIVERSITIES

SCIENCE AND MATHEMATICS ACTION FOR REVITALIZED TEACHING (SMART)

**GOAL: ENHANCE EDUCATION IN SCIENCE AND
MATHEMATICS IN URBAN AREA WITH LARGE
MINORITY CONSTITUENCY AND A RURAL AREA WITH
ECONOMICALLY DISADVANTAGED POPULATION**

- **PARTNERSHIP AMONG**
 - OAK RIDGE ASSOCIATED UNIVERSITIES
 - OAK RIDGE NATIONAL LABORATORY
 - ROANE STATE COMMUNITY COLLEGE
 - CHATTANOOGA PUBLIC SCHOOLS
 - ROANE COUNTY SCHOOLS
- **ELEMENTARY AND SECONDARY LEVELS**
- **TEACHERS**
 - EMPOWERMENT TO EFFECT CHANGE
 - CORE GROUP FROM EACH PARTICIPATING SCHOOL DISTRICT
 - STRONG LINKAGES WITH SCHOOL ADMINISTRATORS/COUNSELLORS
- **STUDENTS**
 - HELP "AT RISK" STUDENTS PREPARE FOR WORK FORCE OR TO ENTER MATH AND SCIENCE FIELDS AT COLLEGE LEVEL
 - STUDENTS ATTEND A SUMMER SCIENCE CAMP TARGETED FOR CAREER CONSIDERATION IN THE SCIENCE AND MATHEMATICS FIELDS
 - TRAVELLING PROGRAMS - "SCIENCE TRUNKS"

PRINCETON PLASMA PHYSICS LABORATORY

TRENTON INITIATIVE

GOAL: IMPROVE SCIENCE/MATH TEACHING IN INNER CITY SCHOOLS

- **MOU WITH TRENTON SCHOOL SYSTEM**
- **POOR AND AFFLUENT SCHOOLS WORKING TOGETHER**
- **LAB SCIENTISTS VISIT CLASSROOM ON A CONTINUING BASIS**
- **ASSIST TEACHERS IN UPGRADING AND EXPANDING THEIR KNOWLEDGE OF SCIENTIFIC AND TECHNICAL CONCEPTS**
 - **TEACHERS PARTICIPATE IN ACTIVITIES AND WRITE LESSON PLANS**
 - **SCIENTISTS PROVIDE TECHNICAL ASSISTANCE AS TEACHERS DEVELOP NEW INSTRUCTIONAL MATERIALS**
- **ASSISTANCE WITH UPGRADING OF EQUIPMENT AND LAB SUPPLIES**
- **TEACHERS (ONE OR MORE PER YEAR) OFFERED SUMMER RESEARCH/LEARNING EXPERIENCES AT LAB**
- **STUDENT COUNSELLING/MENTORING**

20

PACIFIC NORTHWEST LABORATORY

OPTIONS

**GOAL: IMPROVE SCIENCE AND MATHEMATICS
PERFORMANCE AT MIDDLE SCHOOL LEVEL**

- RECRUIT AND RETAIN MIDDLE GRADE STUDENTS
IN SCIENCE AND ENGINEERING PIPELINE**
- HELP STUDENTS KEEP THEIR OPTIONS OPEN AS
LONG AS POSSIBLE BY MAINTAINING INTEREST
AND COMMITMENT TO SCIENCE, MATH AND
TECHNOLOGY**
- LINK TECHNICAL AND HUMAN RESOURCES OF
LAB WITH SCHOOL THROUGH SCIENTISTS
INTERACTING WITH TEACHERS AND STUDENTS**
- HIGH PERCENTAGE OF HISPANIC, AMERICAN
INDIAN AND BLACK STUDENTS**

**LOS ALAMOS NATIONAL LABORATORY
SANDIA NATIONAL LABORATORY**

TEACHER OPPORTUNITIES TO PROMOTE SCIENCE (TOPS)

**GOAL: ENHANCE SCIENCE/MATH TEACHING IN RURAL
MIDDLE SCHOOLS**

- **ENHANCEMENT FOR MIDDLE SCHOOL TEACHERS
IN RURAL NEW MEXICO TO BECOME MODELS AND
MENTORS FOR COLLEAGUES**
- **COMPRISED OF SUMMER INSTITUTE, ACADEMIC
YEAR FOLLOW-UP WORKSHOPS AND CLASSROOM
VISITS**
- **ESTABLISHMENT OF MATHEMATICS,
ENGINEERING, SCIENCE ACHIEVEMENT (MESA)
CHAPTER IS REQUIREMENT FOR PARTICIPATING
TEACHERS**
- **INTERACTION WITH LAB SCIENTISTS IN THEIR
RESEARCH AREAS TIED TO CLASSROOM VISITS**

DOE-Sponsored Instructional and Curriculum Materials

Selected Examples

- Fossil Energy: "Dinosaurs to Power Plants" (Grades 4-8)
- Civilian Radioactive Waste Management:
 - Instructional Modules in Radioactive Waste Management
- Environmental Restoration/Waste Management:
 - Instructional Modules on Environmental Cleanup Issues, Technologies, etc.
- University and Science Education:
 - Livermore: Global Climate Change Materials
 - Berkeley/SLAC: Contemporary Physics Education (Wall Chart)
 - PNL: High School Course in Materials Sciences
 - Laboratory Experiments/Demonstrations, etc.
 - Instructional Materials Catalog (Pending)

NATIONAL SCIENCE BOWL - 1993

GOAL: INCREASE PUBLIC AWARENESS OF IMPORTANCE OF SCIENCE
AND MATH

GOAL: 50 REGIONAL BOWLS WITH PARTICIPANTS FROM ALL STATES

PARTICIPATING LABORATORIES AND FACILITIES:

ALLIED SIGNAL

AMES

ARGONNE

BPA

BROOKHAVEN

CEBAF

CHICAGO OPS

DOE HEADQUARTERS

DOE GERMANTOWN

FERMILAB

FERNALD

INEL

LBL

LLNL

LLNL FIELD OFFICE

LANL

METC

MIT BATES

MOUND

NEVADA OPS

NORCUS

NREL

OAK RIDGE OPS

ORISE

ORNL

PANTEX

PETC

PINELLAS

PPPL

RICHLAND OPS

ROCKY FLATS

SAN FRAN OPS

SAV RIVER OPS

SNL

SNL,L

SRL

SSC

WAPA

- NON DOE FACILITIES:

ANA MENDEZ UNIVERSITY SYSTEM

JET PROPULSION LAB, NASA

- CO-SPONSORED BY CRAY RESEARCH FOUNDATION

- FINAL COMPETITION HELD IN D.C. ON APRIL 16-19, 1993

DOE High School Science Student Honors Research Program

Goal: *Improved Science and Mathematics Performance*

- Initiated in 1985
- Two-Week Summer "Hands-On" Research Opportunity for "Best and Brightest" High School Students at DOE Laboratories
- A Total of 70 Students Each Year
 - Selected From Each State, District of Columbia, Puerto Rico, American Samoa, Guam, and Foreign Countries
- Seven Laboratories Offer Different Research Areas

Labs

Argonne
Brookhaven
Fermilab
Lawrence Berkeley
Lawrence Livermore
Oak Ridge
Sandia-Albuquerque

Research Areas

Materials Science
Physics, Materials Science
High Energy Physics
Life Sciences
Computational Sciences
Environmental Sciences
Engineering

PREFRESHMAN ENRICHMENT PROGRAM (PREP)

- **4 Week Summer Enrichment Program**
- **University/College Campus Based**
- **Grades 6–10**
- **Activities:**
 - **"Hands–On" Labwork**
 - **Field Trips**
 - **Counseling**
 - **Enrichment Classes**
- **Awards: Average \$42K/2 years**
 - (FY 91 = \$1.35M)**
 - (FY 92 = \$2.6M)**
 - (FY 93 = \$2.6M)**

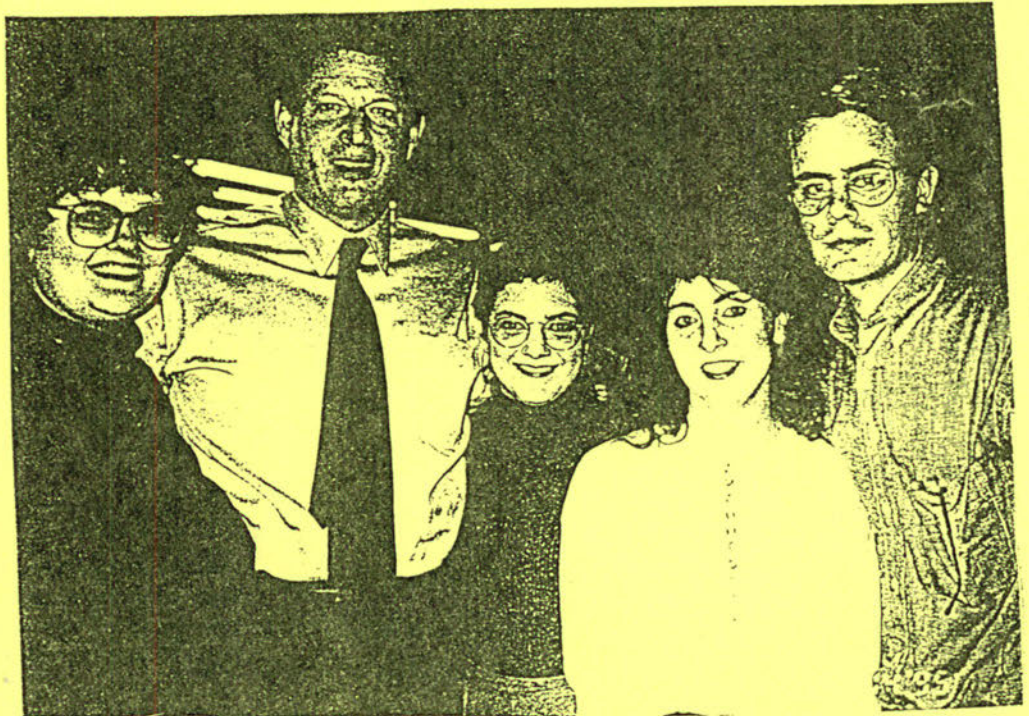
Common Ground

The RECD AmeriCorps Newsletter

AmeriCorps, February 1995, Volume 1, Issue 2

Inside This Issue:

- Getting the Job Done
- Participant Profile:
Rebecca Davidson
- AmeriCorps: Helping
Me Help Others
- AmeriCorps Members
Meet in Hazard
- Site Profile:
KCEOC
- Get Yourself Connected:
E-mail Etiquette



Vice-President Al Gore with AmeriCorps members at a recent meeting in Wayne County, Kentucky

Getting the Job Done

By: Tina Elza

In an effort to improve housing as an AmeriCorps Volunteer, I have made many

contacts with other agencies, and I have worked hard to let it be known to the public that there are resources available to them. Including AmeriCorps. Please see "Job" pg. 2

JOB(continued)

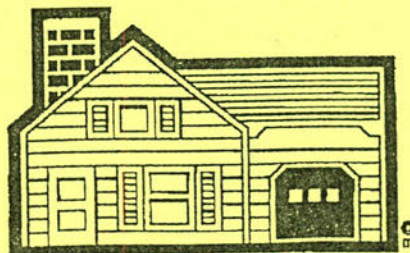
In my efforts, I have been fortunate to work with RECD County Supervisor Tony Snell, who has made every effort to assist me in attacking the housing problems here in Laurel County.

Working out of the RECD office, I received a phone call from a home health nurse asking me if it was really true that I was able to go into a home and take an application for assistance with a housing problem. She told me about Bertress Feltner, a 70 year old man confined to his home because he had to have oxygen 24 hours a day, and she gave me directions to the home. I went out to Mr. Feltner's house that day and talked with him, took an application for a loan and grant, and inspected the house he was living in. I could see at that moment that it was going to be a hard case.

The problem was that the house was in such bad shape that it could not be made structurally sound. I took several contractors out to the home to get their professional opinions, and each one told me that it would be less expensive to build him a new house. They said that it would be impossible to make this house as safe and warm as it needed to be. A 502 housing loan could have been made through RECD, but Mr. Feltner had no repayment ability. Here he was 70 years old, on oxygen, and confined to his home where the floors have fallen in and the roof is collapsing. He

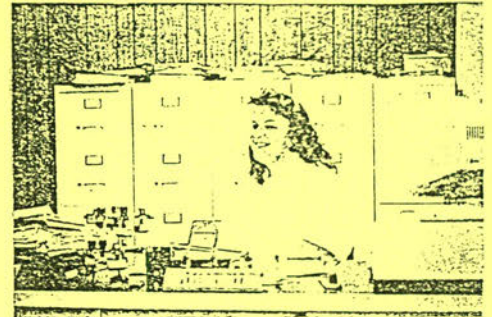
has no cooking stove and his water freezes all winter, so he has no water half the time. And as if that isn't enough, he is breathing coal dust from heating with a coal and wood burner that is 30 years old.

Being one who cannot accept "No" as an answer, I knew that I had to find a way to help this man. I told county supervisor Tony Snell about the situation, and he arranged a meeting with Ruth Martin of Daniel Boone Development. I got all of the paper work together, and Mr. Snell and I went to meet with Ruth Martin. We pleaded Mr. Feltner's case to Ms. Martin, who had just received some funding through a grant she had written. Ms. Martin agreed to let us bring it before the housing committee. We went before the housing committee the following week and pleaded the case once more--this time armed with pictures of the old house he is living in and a plan for the new house we were going to try to make sure he would live in. They had already obligated all of the money except enough for one more new house, a new house that Bertress Feltner will occupy in a few weeks. YES! AmeriCorps...GETTING THE JOB DONE!



Participant Profile: Rebecca Davidson

By: Laura Duncan



Rebecca Davidson at work at RECD office in Barbourville

It seems Rebecca Davidson was born to ride horses. She was, after all, born in Louisville, Kentucky (home of the Kentucky Derby). Though she didn't actually discover the wonder of horseback riding until she was in college, Becky seems like she has been doing it her whole life. Becky went riding with some friends from Union College one day and has gone practically every day since. Shortly after she started working with AmeriCorps, she purchased her own horse.

Becky told me her dream is to learn how to be a good team-pinner (She, of course, had to explain this concept to me). In the sport of team penning, 30 cows numbered from 0-9 are on a field. There are 3 cows for each number. Three horsemen compete to round up the cows. Each horseman is given a number from 0-9, and he or

Please see "Becky" pg. 3

BECKY(continued)

she must locate all three cows with that number, round them up, and get them into a pen within 90 seconds. The first horseman to finish wins. Becky says this is an exciting sport which she enjoys immensely, but she would like to improve her skills and be able to finish faster.

Horseback riding is not the only sport Becky enjoys. She also likes baseball. While at Union College, Becky studied physical education, health and athletic training. She graduated in May of last year, but is considering furthering her education. She says she would like to be a sports trainer, though being in AmeriCorps has helped her realized that she would like to do volunteer work as well.

Becky works at the Rural and Economic Development office in Barbourville. Her family moved from Louisville to Barbourville when Becky was two years old. She still lives with her parents and little brother, and they continue to be the strongest influences in her life. Her mother provides guidance for Becky and, in fact, helped Becky get her job with AmeriCorps. Robert Dunn, from the RECD office in Barbourville contacted Becky's mother, a local business person and community leader, to see if she



knew of anyone who might be interested in the job. Three days later Becky was in Lexington signing her contract.

The transition from college student to full time worker has not been that difficult for Becky. It seems she had a part-time job all the way through college. She has worked everywhere from an ice cream shop to a local lawyer's office and has a vast amount and variety of job experience. The most difficult adjustment she has made with AmeriCorps is getting accustomed to working forty hours a week instead of 25.

She's had to make other adjustments as well-- adjustments in her way of thinking. She did not recognize the tremendous needs of the poor families in Knox County until she became involved with AmeriCorps. Now she knows the extent of the work that needs to be done in her community, and she is going out and trying to get at least, a small part of it done. "People I meet," says Becky "think you're really sweet to come out and meet with them." Working with these people, finding resources to assist them, and seeing them get the help they need to improve their lives is her greatest reward. Her greatest challenge is to try to help in meeting this need.

Becky has become more aware of the suffering of the needy though her experiences. One experience in particular has impacted the

ways she views the world. For the past several weeks, Becky has been working with an elderly lady with particularly limited resources. This lady has so little income that she is literally starving herself to pay her bills. Becky says when she first met her this lady had no food in the house, and by contacting the lady's relatives and community and church food pantries, Becky has been able to help at least this one senior citizen improve her quality of life.

Becky's motto is "Do what makes you happy." Becky has been doing just that, and in the process, she has been making the people she works with happy as well by making their lives a little bit easier and their hardships fewer.

AmeriCorps: Helping Me Help Others

By: Mona Powell

When Laura first called to ask if I would do an article for the newsletter about a positive experience that I have had with AmeriCorps, I was hesitant. Which experience would I choose? I then realized that for me, AmeriCorps was the positive experience. Americorps has given me the opportunity to discover many ways to help my community and to grow as an individual.

Before I began my Americorps experience, I was Please see "Help" pg. 4

HELP(continued)

convinced that the people of Knox County, Kentucky did not care whether they improved the quality of life in their county. What I have found has been quite to the contrary. I am working with a group of individuals that represent various businesses, churches, and state agencies.



These people are willing to help me at every turn! They want to see vast improvements, and they are not waiting for the Federal Government to say here's the money. Their ideas are stimulating and attainable.

Another area that makes my Americorps experience truly fulfilling is the site where I work. KCEOC consists of people who want to help people in need. They do not hesitate to try any means to develop resources necessary to meet these needs. My site supervisor, Jim Davenport, is very supportive. He will sit down with me, go over different options which I might pursue, and then allow me to make the decision on the action to take. This allows me to develop capabilities which I can use later in my career (which I hope will include community service).

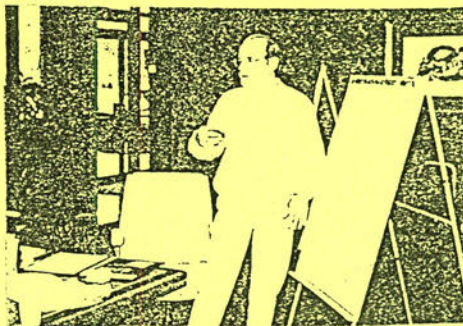
As I listen to news reports criticizing AmeriCorps, I cannot help but marvel at the "logic" displayed in these reports. AmeriCorps is said to be too expensive, yet do they

not realize this is an investment which pays vast returns to the American people? It has not only been responsible for enabling me to get off of public assistance, but it has also given me valuable assets which I can use to better the existence of my fellow Knox Countians. The future for my daughters is brighter because they now have a sense of how the American system is supposed to work. Thanks to AmeriCorps, we have been given a "hand up" instead of a hand out.

AmeriCorps Members meet in Hazard

By: John T. Mills

The hazard in getting to Hazard, Kentucky (due to slippery road conditions) did not pose a problem for most RECD AmeriCorps Volunteers in reaching the Kentucky River Area Development District on February 7, 1995 for their latest training session.



David Gibson at Americorps training session in Hazard

There were two new faces at the meeting that made

up for those regulars who could not conquer the icy roads. Paula Baily, the only AmeriCorps member of her kind in Virginia, traveled over one hundred miles to attend the meeting. David Gibson, an AmeriCorps affiliate from Washington, D.C., was also present to discuss with members their work objectives, Internet capabilities, quarterly evaluations and suggestions on how to better carry out their missions. Mr Gibson spent the remainder of his time in Kentucky making site visits with most of the AmeriCorps Volunteers.

The meeting was the second time AmeriCorps members have met at the Kentucky River Area Development District. The purpose of the meeting was to assess the work members are active in and to clearly define the parameters of that work. The AmeriCorps members are now scheduled to attend a national, five day training session set for the week of March 20th in Nashville, Tennessee where they will attend workshops on group dynamics, communication, and leadership skills.



☆☆☆☆☆☆☆☆☆☆

Site Profile:

KCEOC

By: Laura Duncan

The Knox County Economic Opportunity Council (KCEOC) was formed in December of 1964 as part of the national effort to combat poverty known as the "War on Poverty." Since its inception the name of the program has changed (It became known as the Kentucky Communities Economic Opportunity Council in 1987), but its mission has not. KCEOC was formed to alleviate some of the social and economic problems associated with poverty in Eastern Kentucky, and it continues to do that today, over 30 years after its creation.

In the early 60's, a group of concerned community leaders banded together to address the problems of Knox County. They submitted a grant idea that would combine available resources such as abandoned buildings in the area and government resources such as War on Poverty funds (provided by the Johnson administration) to create community centers which could provide tutoring, kindergarten, recreation, adult education, family development, health and agricultural programs. The project was funded, and KCEOC was launched.

From 1965 through 1976, the foundation for KCEOC was created and the organization grew. During those years, the council began

programs of social import such as Project Head Start, which provides early education for 3 and 4 year-olds, and the weatherization program, which assists impoverished families with house repairs to winterize their homes, and programs of economic import such as Cannon Industries, Lawson Furniture, Hickory House Restaurants, and the Kentucky Krafts project, all which helped provide funding for KCEOC since the Federal Government wanted the project to become more independent.

Federal assistance was low in the late 70's and early 80's, so Kentucky House Bill 206 was passed guaranteeing funding for community action programs across the state. In 1984 and 1985, KCEOC bid for and received Head Start programs in Clay and Harlan Counties. Through this effort, KCEOC was able to expand its outreach and services to all counties in the Cumberland Valley area.

Since the Kentucky Education Reform Act (KERA) was passed in 1990, KCEOC has actively become involved in the process of changing the quality of education for Kentucky's children. Through its partnerships and collaborative efforts with KERA, KCEOC is indirectly improving education for all the area's children while continuing to directly educate a select group of children. In 1992, KCEOC also opened the Kentucky Communities Craft Village which works with a variety of local, state and

government agencies as well as local citizens. Through its creation, redirection, and expansion, KCEOC has become and continues to be a vital part of Eastern Kentucky's socioeconomic structures and its future.

Get Yourself Connected: E-mail Etiquette

By: Laura Duncan

E-mail is becoming increasingly popular in today's electronic society. It is fast, convenient, and economical. More and more companies are turning to the use of e-mail as a mode of communication. E-mail is better in some ways than telephone communication because it does not require direct contact. The sender can simply leave his message on the receiver's computer, and the receiver can read and reply to his e-mail at his convenience. Often when trying to reach an associate by phone, with today's hectic schedules, the correspondents end up playing phone tag and not communicating important messages for hours or sometimes even days. With e-mail, there is less chance of being unable to reach your party or having to rely on others to convey your message.

E-mail takes less time than standard mail. You can send and receive messages immediately. It's also more convenient. You can send your message from the privacy of your home. Please see "E-mail" pg. 6

E-MAIL(continued)

of your office or home computer. You do not have to worry about addressing, stamping, and mailing an envelop containing your message because all that is done instantly, electronically. E-mail can also be less expensive than face-to-face communication, but like face-to-face communication, you can have a conversation via e-mail. E-mail, however, cuts down on the expense of traveling great distances to meet with associates face-to-face.

For these and many other reasons, e-mail is incredibly popular. For the novice, however, sending or receiving that first e-mail message can be scary because e-mail does not use the same conventions of standard written communication or of telephone or face-to-face communication. To help e-mail novices, a few tips to using proper e-mail technique are provided as follows:



Keep it short and simple. Whenever possible, be as concise as you can be. Brief notes are perfectly acceptable e-mail communications. It is not necessary to date your e-mail

or provide salutations or return addresses. Almost every e-mail program has a reply button which when pressed will automatically send your reply to the address of origin.

Let your reader know who you are and what you want. Many e-mail messages are organized by the name of the person who sent the mail. Most e-mail programs also contain a subject line to explain briefly what the message concerns. E-mail, like conventional mail, often contains a great deal of junk mail. To get the immediate attention your e-mail deserves, write a concise and descriptive subject line.

Get straight to the point. Rambling in e-mail will not get you the kind of attention you want. The most effective e-mail has direct, coherent, and correctly punctuated sentences.

Have a conversational tone. E-mail is much less formal than standard written communications, so to avoid alienating readers use a more casual, conversational tone in your e-mail writing.

E-mail offers little privacy. Because of the nature of e-mail, it can be intercepted by those it was not intended for. In fact, your employer has the right to read any e-mail you send from the office.

Use good grammar. While the tone of your e-mail may be informal, the grammar and spelling must be accurate. First impressions count a great deal, and your writing skills will influence how others view

you.

Don't SHOUT! Typing in all uppercase letters is the



equivalent to shouting in cyberspace. Furthermore, typing in all caps can make your messages difficult to read.

Avoid flame wars. When you flame someone on e-mail, you send an insulting message or one containing profanity or offensive writing. If you are upset by an e-mail communiqué, do not act rashly. Calmly assess your plan of action. Think before you react. Then respond.

Remember all computer systems are not identical. A line ends in e-mail only when you hit return, so remember to hit return and avoid extending lines beyond 65 to 70 characters. Also avoid formats that won't translate to some e-mail programs such as bold and italics. Use *asterisks* for emphasis.

Know the shortcuts. Abbreviations, also known as acronyms, are commonly used in e-mail, but be careful not to overuse them.

Visually demonstrate your feelings about a subject by using emoticons. Emoticons, symbols formed by using a combination of non-
Please see "E-Mail" pg. 7

E-MAIL(continued)

letter keys, show your emotions. Although emoticons are the equivalent to slang, they are commonly used and quite acceptable when placed at the end of a sentence as an additional note. :-)

Finish with your signature file. Most e-mail programs allow you to add a signature file at the end of your e-mail. A signature file is e-mail letterhead, including important info such as your full name, your company's name, and a postal address, and voice and fax numbers. You can even personalize your signature file with art, a logo, or a quotation.

Popular Acronyms

BRB--be right back
BTW--by the way
F2F--face to face
IMHO--in my humble opinion
IOW--in other words
LOL--lots of laughs; laughing
out loud
ROTFL--rolling on the floor
laughing
RTFM--read the [expletive
deleted] manual
SO--significant other
TIA--thanks in advance
TTFW--Ta-Ta for now
WTG--way to go

Common emoticons

:-) happy
:-(sad
:-o shocked or amazed
:-] happy sarcasm or smirk
X-(brain dead
;-) winking
:~* kiss
:-|| angry
%-(happy confused
:'-(crying

Happy Birthday

Michele Humfleet, Feb. 22



**ST. JOHN-AROOSTOOK RESOURCE CONSERVATION
AND
DEVELOPMENT AREA
1995
ANNUAL REPORT**



**PREPARED BY THE
ST. JOHN-AROOSTOOK RC&D STEERING COMMITTEE**

**PRINTED
JANUARY 1996**

St. John Aroostook Resource Conservation and Development (RC&D) Area
1995
Annual Report

30 Years of Service



**St. John
Aroostook
RC&D**

**RC&D
Aroostook
St. John**

Printed
March 1996

Assisted By
U.S. Department of Agriculture
Natural Resources Conservation Service
(formerly the Soil Conservation Service)
and
Cooperating Agencies

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means of communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881, (voice) or (202) 720-7808 (TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C., 20250, or call (202) 720-7327 (voice) or (202) 690-1538 (TDD). USDA is an equal employment opportunity employer.

Table of Contents

Table of Contents.....	i
Annual Report Dedication.....	ii
Message from the Chair.....	1
Location and Setting.....	2
Objectives and Goals.....	3
Officers.....	4
Steering Committee Membership.....	5
Administrative & Resource Subcommittee Membership.....	6
RC&D Staff.....	7
St. John Aroostook RC&D Annual Report 1994.....	8
Resource Development Summary.....	8
Contributions from Sponsors and Friends.....	8
Honor Roll for 1995.....	8
Economic Impact.....	8
Financial Statement.....	9
Project Measure Report.....	10-11
Activity Schedule.....	12-15
Resource Subcommittee Highlights.....	16-19
Agriculture Committee.....	16
Forestry Committee.....	16
Fish River Lakes Water Quality Association.....	17-18
Recreation, Rails and Trails Committee.....	18
Waste Utilization Committee.....	19
Miscellaneous Rural Development and Other Activities.....	19
Annual Meeting and Awards Banquet.....	20-22
Awards.....	23-42
Volunteer Efforts.....	43-52
Annual Tour.....	53-61
Workshops, Field Days and Tours.....	62-68
Information and Education.....	69-84
Adopt a Stream.....	69-72
Streamside Incubation Box.....	73-74
Fish Friends.....	75-77
Environmental Career Awareness Day.....	78
Television Broadcasts.....	79
Displays.....	80-84
Technical Assistance.....	85-113
USDA NRCS Team.....	85-87
AmeriCorps.....	88-94
Rails and Trails.....	95-101
Sinclair Water Quality Improvement Project.....	102-103
Upper St. John River Public Access.....	104-106
Barn Brook Road Erosion Control.....	107-109
Daigle Pond Inventory.....	110
Streambank Erosion.....	111-112
Miscellaneous.....	113

The 1995 Annual Report
is dedicated to
L. Philip Soucy
Steering Committee Member and Businessman

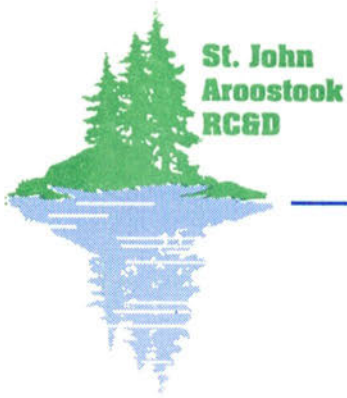


For a community to flourish, there must be citizens who relish being involved in all aspects of that community's life--its politics, its natural resources, its economics, its future. Phil Soucy has filled this role for Aroostook County in a variety of ways. For twenty-eight years he has served as an active member of the St. John Aroostook RC&D Steering Committee, holding the positions of Chair, 1st Vice Chair and 2nd Vice Chair, as well as Chairing the Fish and Wildlife Subcommittee. He is the founder, and serves as President of, Aroostook County's major lake association--the Fish River Lakes Water Quality Association. This organization actively works to protect the water quality and ecosystems of the Fish River chain of lakes, and has been granted the Maine and National "Take Pride in America" awards in recognition of its accomplishments.

Phil has been an important force in the on-going endeavor to develop northern Maine's natural resources in an environmentally-sensitive manner. He has spearheaded the effort to create a viable recreational Atlantic salmon fishery in the upper St. John and its tributaries, and serves as the President of SALEN (Salmon Enhancement), as well as holding membership in the Atlantic Salmon Association for the Upper St. John and the Atlantic Salmon Federation and its Maine Council.

Phil has also supported the Scouting tradition in the Valley, having held the position of Cub Master, and is a member of the State of Maine Catholic Committee on Scouting. He has taken an active role in community policy-making and politics, and has been named Citizen of the Year by the Greater Fort Kent Area Chamber of Commerce and by the State of Maine.

Phil Soucy exemplifies the unique characteristics of Aroostook County residents--a willingness to get involved, a profound interest in the conservation of our natural resources, and an understanding of how communities can work together to accomplish great things. This report is dedicated to him in recognition of his past achievements and future successes.



St. John
Aroostook
RC&D

Resource Conservation and Development

Steering Committee
P.O. Box 745
Presque Isle, Maine 04769

Telephone: (207) 764-4126 • FAX: (207) 764-4126

January 1996

Dear Friends of the St. John Aroostook RC&D:

Our 30th Annual Report reflects the quantity and quality of our efforts over the past year. Our accomplishments have been recognized throughout New England as the best. Again, we received recognition from our peers as outstanding RC&D in the region.

Our report documents in words and photographs our significant achievements. Under the direction of our remarkable staff, John Badger and Coleen Churchill, our volunteer efforts have, once again, amazed even the most skeptical of those who follow our activities.

We look to 1996 to continue what we have started with the AmeriCorps program, the Fish River Chain of Lakes improvements and with the projects relating to economic development in the forestry industry, trail development and in supporting new agricultural ventures.

In 1995, we were hosts to two very important representatives from USDA. First, the program manager for the RC&D programs in the Northeastern Region, Dianne Gelburd, and the Administrator of the AmeriCorps program for USDA, Joel Berg. Several informal meetings were held with our new Congressman, John Baldacci, for the purpose of informing him about our program and its role in rural America. As the first Maine Congressman on the important House of Agriculture Committee in several decades, these were important meetings. We also appreciate the continued support of Congressman Baldacci, Senators Snowe and Cohen.

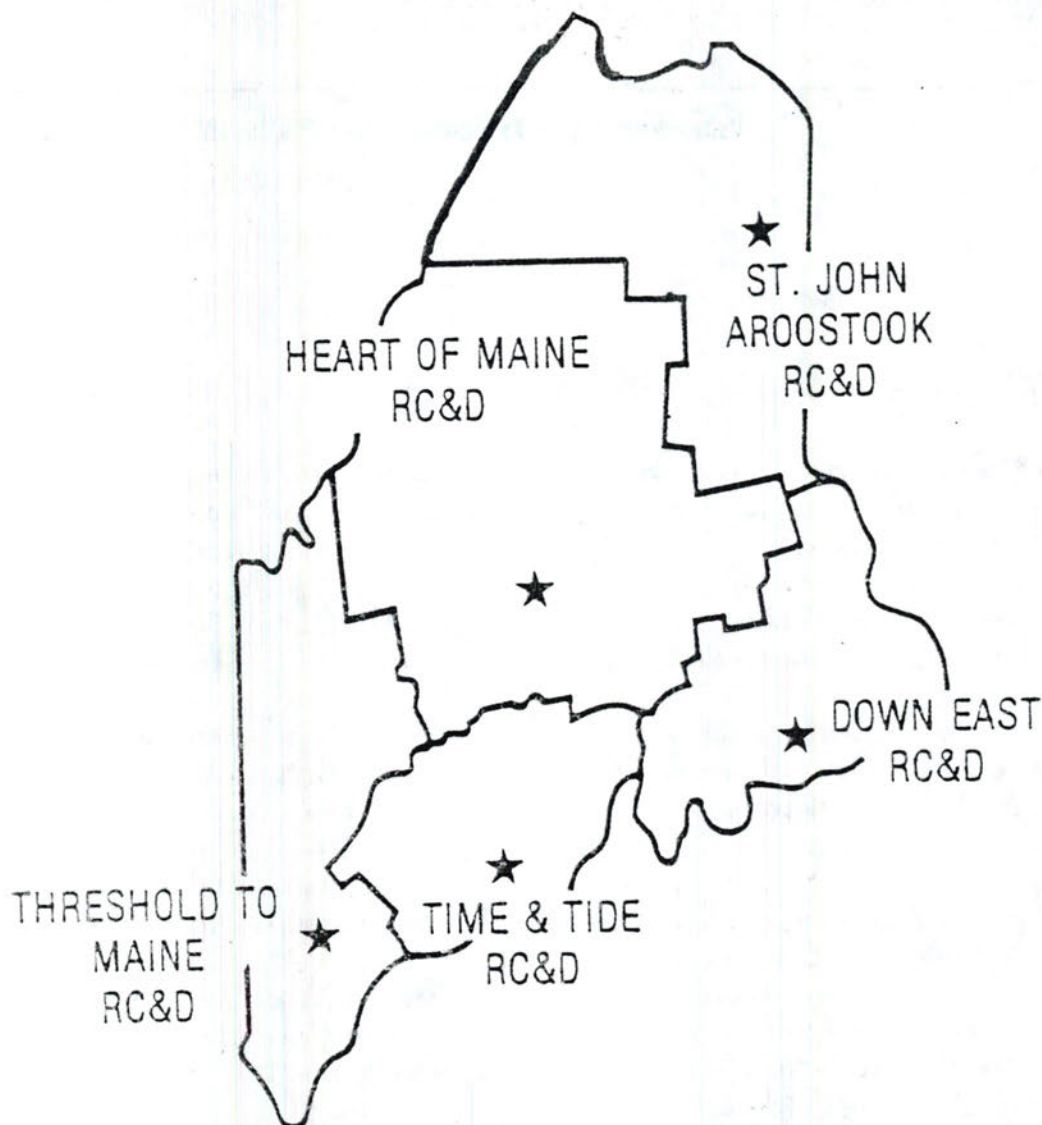
We have continued to recognize those who have worked with us by the presentation of appropriate tributes, and we have continued to educate by conducting tours and seminars.

The year ahead should be exciting as we meet the new challenges brought on by a new office location in the USDA Agriculture Building in Presque Isle, by new funding constraints, and new organizational configurations. We have "weathered" well in the past thirty years and with the confidence and experience which comes with "middle age", our RC&D is positioned for continued success and service.

Respectfully submitted,

George James
Chair

Location and Setting



The St. John Aroostook Resource Conservation and Development Area received official congressional approval on Wednesday, November 10, 1965, thus becoming the eleventh in the current family of 277 RC&Ds nationwide. It enjoys tax exempt status as an IRS 501(c)3 organization.

In September of 1992, the Steering Committee voted to expand the RC&D Area to include all of the unorganized area of Aroostook County. This expansion added 1,500,347 acres and allows the RC&D to more closely resemble County boundaries. The Area now consists of 4,257,080 acres.

Our purpose, unchanged for the past 30 years, is to help people develop, care for, and appreciate their natural resources in a way that will enrich their community and better their lives. Our program consists of Area people working together to help each other. Initiation, sponsorship, planning, and implementation of various natural resource projects are done locally. We also participate in statewide projects working with Maine's other four RC&Ds through the Maine Association of RC&Ds.

St. John Aroostook RC&D
Objectives and Goals
1996

Objective #1 Enhance Agriculture and Forestry Opportunities

Goal A. Develop and Expand Markets

Goal B. Create Diversity

Goal C. Information and Education

Goal D. Product Development

Goal E. Incentive Development for Professional Forestry

Objective #2 Enhance Community Facilities and Service Opportunities

Goal A. Improve and Protect Rural Water Supplies and Systems

Goal B. Improve Waste Disposal and/or Utilization

Goal C. Electric Power Diversity

Goal D. Expand Cultural Opportunities

Goal E. Provide ATV Planning and Trail Development

Objective #3 Enhance Business and Industry Opportunities

Goal A. Develop Area Tourism Potential

Goal B. Improve Business Climate and Provide Hospitable Atmosphere

Goal C. Improve Transportation

Goal D. Provide Greater Economic Diversity

Objective #4 Enhance Scenic, Fish and Wildlife Resource Opportunities

Goal A. Promote Wildlife Enhancement and Maintain Acceptable Populations

Goal B. Protect Water Quality

Goal C. Protect Scenic Areas

Goal D. Ensure Citizen Access to Forests, Rivers, Lakes, Streams,
Wetlands, and Scenic Areas

St. John Aroostook RC&D's
Officers

1996



George James
Chair



L. Philip Soucy
First Vice Chair



Tony Levesque
Second Vice Chair



Gary Edwards
Treasurer/Secretary

Administrative Committees
for 1976

Finance Committee

Gary Edwards, Chair
Duncan Beaton
George James
Jim McBreairsty
Tony Levesque

Priority and Direction Committee

John Poliquin, Chair
Duncan Beaton
George James
Tony Levesque
Kathy Mazzuchelli
Philip Soucy

Executive Committee

George James, Chair
Gary Edwards
George James
Tony Levesque
Philip Soucy
Bob Vigue

Project Measure Screening Committee

Bob Vigue, Chair
Gary Edwards
Bob Locke
John Poliquin
Dave Ricker
Mike Sawyer

Nominating & Annual Meeting Committee

Bob Locke, Chair
Kathy Mazzuchelli
Peggy Niblett
John Poliquin
Bob Vigue

Resource Committees
for
1976

Agriculture Committee

George James, Chair
Robert LaPierre
Peggy Niblett
Mike Sawyer
Members

Forestry Committee

Bob Vigue, Chair
Duncan Beaton
Bud Blumenstock
Eric Holden
George James
Bob Locke
Glenn Nadeau
John Poliquin
Bruce Wilkins
Carroll Willette
Tom Whitworth
Members

Environmental Resources Committee

Bruce Wilkins, Co-Chair
John Poliquin, Co-Chair
Dave Cyr
Tom Whitworth
Members

Fish River Lakes Water Quality
Association

Philip Soucy, President
Walter Fournier
Louis Greenier
Paul Kelly
Jim Killarney
Alan Morris
Ludger Ouellette
Jarvis Penninger
Dave Rochester
Dwight Sewell
Members

Future Standing Committees

Rural Development Committee
Waste Utilization Committee

Recreation, Rails & Trails
Committee

Kathy Mazzuchelli, Chair
Duncan Beaton
Gary Edwards
Keith Hayward
Dave Ricker
Members

ST. JOHN AROOSTOOK RC&D
Steering Committee
1996

Member	Address	Profession	Telephone
Duncan Beaton	Box 337 Easton ME 04740	Retired Town Manager	488-6994
Bud Blumenstock	5755 Nutting Hall Orono ME 04469	Forester	581-4739
Bill Cleaves	31 Quaggy Jo Lk Rd Presque Isle ME 04769	CAS&WCD Supervisor	762-7701
David Cyr	270 Sweden Street S #1 Caribou ME 04736	Public Works Director	493-3318
*Charles Nadeau	270 Sweden Street S #1 Caribou ME 04736	County Treasurer	493-3318
Gary Edwards	Main Street Houlton ME 04730	Recreation Director	532-1310
*Ralph Cleale	21 Water Street Houlton ME 04730	Public Works Director	532-1325
Arthur Faucher	98 St Thomas Street Madawaska ME 04756	Town Manager	728-6351
George James	Route 1 Box 285 Easton ME 04740	Business person	488-2520 764-5332(H)
Robert LaPierre	HC-63 Box 58 Van Buren ME 04785	Business person/ First Accessor	868-5623
*Alban Bouchard	RFD Fort Kent ME 04743	Business person	834-3237
Tony Levesque	PO Box 451 Ft Fairfield ME 04742	Code Enforcement Officer	472-3805
Robert Locke	RFD #4 Box 6420 Caribou ME 04736	Professional Forester	493-4400
Kathy Mazzuchelli	59 Bennett Drive Caribou ME 04736	Recreation Director	493-4224
Jim McBreairty	R1 Box 110 Caribou ME 04736	Retired County Treasurer	496-2541
Peggy Niblett	RFD #1 Box 235 Easton ME 04740	Business person	488-6890
John Poliquin	MPS PO Box 1209 Presque Isle ME 04769	Safety Director/ Forester	768-5811
*Glenn Nadeau	MPS PO Box 1209 Presque Isle ME 04769	Right of Way Supervisor	768-5811
David Ricker	25 High Street Caribou ME 04736	Code Enforcement Officer	493-3324
Otis Smith	RR 2 Box 1290 Houlton ME 04730	Adult Educator/ Farmer	532-6554 532-7419
*Don Harmon	Island Falls ME 04747	Retired Teacher	463-2173
L. Philip Soucy	112 West Main Street Fort Kent ME 04743	Financial Advisor/ Business person	834-3777 834-5011
Robert Vigue	Box 666 Ashland ME 04732	District Manager/ Forester	435-6039 435-6246
Tom Whitworth	13 Hall Street Fort Kent ME 04743	Forester	834-3905
*Dave Rochester	45 School Street Houlton ME 04730	Forester	532-3157
Bruce Wilkins	27 Cedar Street Presque Isle ME 04769	Consultant Forester	764-4728

*alternate

St. John Aroostook RC&D

Annual Report

1995

Resource Development Summary

1966-1995

Project Measures to Date.....644
Active Measures..... 40
Measures Completed.....473
Measures Cancelled.....125
Completion Ratio.....73%

1995

Measures Adopted.....28
Measures Completed.....15
Measures Cancelled..... 3

Contributions From Sponsors and Friends

We would like to thank sponsoring plantations, towns, cities, districts, counties, businesses, foundations and one hundred and citizens that financed the St. John Aroostook Resource Conservation and Development (RC&D) Steering Committee in 1995.

The Steering Committee meets eight times a year to review projects that help plantations, towns, cities, districts and counties solve problems. Members serve without pay, but are reimbursed for out-of-pocket expenses. There are other costs involved which include postage, stationery, telephone bills, etc.. To pay these nominal fees, we ask for a contribution from each sponsor.

Honor Roll for 1995

Aroostook County	Grand Isle	Perham
Ashland	Haynesville	Portage Lake
Blaine	Hamlin	Presque Isle
Bridgewater	Houlton	St. Agatha
Caribou	Limestone	St. John Plantation
Caswell	Littleton	St. John Valley S&WCD
Chapman	Madawaska	S. Aroostook S&WCD
Cyr Plantation	Mapleton	Smyrna
Easton	Mars Hill	Stockholm
Eagle Lake	Merrill	Van Buren
Fort Fairfield	Monticello	Wade
Fort Kent	Nashville Plantation	Washburn
Frenchville	Orient	Westfield
Garfield Plantation	Oxbow Plantation	

Economic Impact

A survey of your contributions for the past fourteen years shows that for each \$1 donated by our sponsors, \$1991 were returned to the Area through RC&D projects. In 1995 over \$7,015,000 were secured for St. John Aroostook RC&D projects. Additionally, 1389 volunteer days were donated. We are proud of our record.

RC&D Staff



John Badger
RC&D Coordinator



Coleen Churchill
RC&D Secretary



Gary Marquis
AmeriCorps Trails Coordinator



Amanda Smith-Hatch
AmeriCorps Salmonid Coordinator



Raymonde "Nicky" Violette
AmeriCorps FRLWQA Coordinator

ST. JOHN-AROOSTOOK RESOURCE
CONSERVATION AND DEVELOPMENT
STATEMENT OF REVENUES AND EXPENDITURES AND CHANGES IN FUND BALANCES
FOR THE YEAR ENDED DECEMBER 31, 1995

	Totals	Steering Committee	Fish River Lakes Water Quality Association Local Fund
Revenues			
Other Grants	0		
Municipal dues	5,213	3,763	1,450
Members dues	3,742		3,742
Other	1,431	772	659
Donations	0		
Interest income	253	147	106
	<u>10,639</u>	<u>4,682</u>	<u>5,957</u>
Expenses			
Annual Tour	904		904
Travel and workshops	1,708	1,310	398
Audit	0		
Meals	1,002	976	26
Postage	2,925	827	2,098
Supplies	1,093	374	719
Awards	194	154	40
Printing	1,104		1,104
Telephone	40		40
Other	954	725	229
Grants	450	450	
	<u>10,374</u>	<u>4,816</u>	<u>5,558</u>
Excess (Deficit) of Revenues Over Expenses	265	(134)	399
Fund Balance, January 1, 1995	10,328	6,275	4,053
Fund Balance, December 31, 1995	<u>10,593</u>	<u>6,141</u>	<u>4,452</u>

The accompanying notes are an integral part of these statements.

St. John Aroostook

1995

Project Measure Report

Completed

Project
Measure
Number

Project Measure Name

(019)

014 Mount Chase Shin Pond Association
015 Shin Pond Lakes Coordinator

(999)

113 Livestock Enhancement
141 Lake Association Formation Brochure
143 NMTC Work Study Student
157 Board Training
164 Forest Product Producers Demonstration
166 Salmonid Coordinator '94
167 Salmonid Incubation
173 FRLWQA Coordinator '94

(003)

395 Houlton Timber Bridge
416 Lower St. John Regional Septic Disposal
433 Caribou Trails Coordinator '94
434 Caribou Inventory AVR SPUR
435 Caribou Inventory B&A SPUR

Cancelled

115 Elm Tree Conservation and Education
402 Smyrna Recreation Area
403 Smyrna Fire Protection

1995 Project Measure Report
(continued)

Adopted

(019)

016 Shin Pond Notes
017 Shin Pond Sanitary Survey
018 Shin Pond Sanitary Survey Report
019 Shin Pond Long Range Plan

(999)

166 Salmonid Coordinator '94
167 Salmonid Incubation
168 Upper St. John River Creel Survey
169 Inventory Salmonid Habitat on Upper St. John
170 Siltation Inventory - Upper St John
171 Upper St. John River Profile
172 Salmonid Coordinator '95
173 FRLWQA Coordinator '94
174 FRLWQA Tours '95
175 FRLWQA Coordinator '95
176 AmeriCorps (Statewide) '95
177 Atlantic Salmon Association Newsletter
178 Mentor Program
179 Fish Friends Program
180 Adopt-A-Stream Program
181 Upper St. John Public Access Inventory

(003)

433 Caribou Trails Coordinator '94
434 Caribou Inventory AVR SPUR
435 Caribou Inventory B&A SPUR
436 Daigle Pond Sanitary Survey
437 Daigle Pond Sanitary Survey Report
438 Madawaska Trails Coordinator '95
439 Madawaska Acadian Heritage Trail
440 Caribou Trails Coordinator '95

St. John .Aroostook RC&D
Steering Committee
1976 Activity Schedule

January

Conduct Regular Business Meeting
* Hold Brainstorming Meeting to review and update the
Area Plan (in odd numbered years)

Draft Steering Committee Annual Report

Draft Fish River Lakes Water Quality Association
Biannual Report (odd years)

Submit Brief Sheet Articles

Plan Annual Tour

Submit Awards Packet to the National Association of
RC&Ds (yearly)

February

Conduct Regular Business Meeting

Priority and Direction Committee Meet

Resource Subcommittees Meet

Conduct Audit of all Accounts

March

Conduct Annual Meeting
* elect officers (even numbered years)
* present awards
* present annual report
* select delegate to attend New England Association
of RC&Ds Spring Meeting
* approve budget
* guest speaker or panel

Distribute the Steering Committee's Annual Report

Conduct Regular Business Meeting
* review priorities, goals and objectives of
Area Plan and Plan of Work
* implement high priority areas of Area Plan

Resource Subcommittees Meet

Project Measure Screening Committee Meets

Publish Steering Committee's and Fish River Lakes
Water Quality Association's Newsletters

Sponsors Billed for Dues

Note - Often February and March schedules are swapped to
accommodate the scheduling of Annual Meeting
Speakers and/or panels.

Activity Schedule
(continued)

April	Conduct Regular Business Meeting * Steering Committee sets priorities, goals and objectives for the following year * delegates report from New England Association of RC&Ds Spring meeting Resource Subcommittees Meet Project Measure Screening Committee Meets Attend New England Association of RC&Ds Spring Meeting Submit Brief Sheet Articles
May	Conduct Regular Business Meeting * develop draft awards packet for New England Association of RC&Ds Fall meeting * budget committee sets sponsor dues rates for the following year * plan annual tour Resource Subcommittees Meet Project Measure Screening Committee Meets Attend Maine Association of RC&Ds Forestry Committee Meeting
June	Conduct Regular Business Meeting * finalize packet for New England Association of RC&Ds awards program * develop display ideas for New England Association of RC&Ds awards program * select delegates to attend New England Association of RC&Ds Fall meeting * finalize Annual Tour plans Resource Subcommittees Meet Project Measure Screening Committee Meets Publish Steering Committee's and Fish River Lakes Water Quality Association's Newsletter Unpaid Municipal Sponsors Billed for Dues Hold Fish River Lakes Water Quality Board of Directors Elections Fish River Lakes Water Quality Association Members Billed for Dues Attend the New England Association of RC&Ds Annual Summer Tour

Activity Schedule
(continued)

July	Conduct Regular Business Meeting * finalize display for New England Association of RC&Ds Fall meeting * participate in New England Association of RC&Ds awards program Resource Subcommittees Meet Submit Brief Sheet Articles Project Measure Screening Committee Meets
August	Hold Annual Tour * guest speaker(s) * short business meeting Publish Fish River Lakes Water Quality Association Newsletter
September	Conduct Regular Business Meeting Develop Draft Plan of Work for Next Year Resource Subcommittees Meet Project Measure Screening Committee Meets Publish Steering Committee Newsletter Unpaid Sponsors Billed for Dues Attend New England Association of RC&Ds Fall Meeting * enter New England Association of RC&Ds Display Contest
October	Conduct Regular Business Meeting * delegate(s) report from New England Association of RC&Ds Fall meeting * approve Plan of Work for next year Resource Subcommittees Meet Project Measure Screening Committee Meets Unpaid Municipal Sponsors Billed for Dues Submit Brief Sheet Articles

Activity Schedule
(continued)

November	Fish River Lakes Water Quality Association Sponsors Billed for Dues
	Publish Fish River Lakes Water Quality Association's Fall Newsletter
December	Conduct Regular Business Meeting
	* develop next year's draft budget
	* review subcommittee's membership and update as necessary (Chair)
	* develop annual report draft ideas
	* hold a "Yankee Swap" Christmas party
	Nominating and Annual Meeting Committee Meets
	* nominate slate of officers (for even numbered years)
	* select individual(s) and organizations for annual report dedication
	* nominate individuals and organizations for annual meeting awards
	* select guest speaker(s) or discussion panel for annual meeting
	* plan meeting agenda, menu and location
	Resource Subcommittees Meet
	Project Measure Screening Committee Meets
	Develop draft Awards Packet for the National Association of RC&Ds
	Dues Request Letters and Bills Sent to Steering Committee Sponsors
	Publish Steering Committee Newsletter

Note: Administrative Subcommittees Meet Prior to Regular Meetings.

St. John Aroostook RC&D Area
Resource Committee Highlights

The St. John Aroostook RC&D Steering Committee, recognizing the need to involve local citizens in the overall program, organized five resource subcommittees. People throughout the RC&D Area are welcomed and encouraged to serve on, and organize, subcommittees. Subcommittees in turn make recommendations to the Steering Committee for action.

Agriculture Committee

The Agriculture Subcommittee worked on many fronts this past year. A partial listing of accomplishments follows:

Northern Maine Livestock Initiative Plan Completed

Livestock production, both feedlots and cow/calf operations, are becoming more important to the economic stability of Northern Maine. Historically strong in the southern part of the "County", livestock production is gaining favor in the St. John Valley as a way of diversifying farming and thereby keeping people on the land while making a living. Today a good farming operation has to be environmentally conscious and these successful farms take responsibility for waste management, water quality and other conservation concerns. As part of a Livestock Development Initiative, the Southern Aroostook S&WCD and St. John Valley S&WCD implemented the Livestock Initiative and its many information and education components with monies granted from the USDA-NRCS, through the St. John Aroostook RC&D. Clinics and the Aroostook Beef Conference were held and members of the industry attended other training sessions.

- > Hosting an AmeriCorps participant to work with Southern Aroostook's farm community on water quality issues.

Forestry Committee

Most of the 4,257,080 acres in the St. John Aroostook RC&D Area are forested and twenty percent of our citizens derive their living in one form or another from this resource. With this fact in mind, the St. John Aroostook RC&D Forestry Subcommittee was especially active and proud of its accomplishments which were:

- > holding a Forest Products Marketing Tour for economic development specialists and potential investors.
- > attending a Maine Association of RC&Ds Timber Bridges meeting with Maine's Commissioner of Transportation and his staff.
- > developing rural dry hydrants as a source of fire fighting water.
- > visiting Aroostook's wood producers that were interested in participating in the Maine Forest Products initiative so demonstration teams could help with various aspects of their business. We helped two with their wood supply problems and turned three over for pilot demonstration projects. One was selected as Maine's demonstration site. We have met again with them and also are working with the state group on overall coordination.

Fish River Lakes Water Quality Association
(A Committee of the St. John Aroostook RC&D)

The St. John Aroostook RC&D Fish and Wildlife Committee is very concerned with water quality problems in the Fish River Chain of seven lakes. The chain has 31,190 acres of surface water and drains 573,440 acres of forest (89%) and cropland (7%). The area is noted for outstanding salmon and brook trout fishing and contributes its water to the St. John River, a major international boundary between the United States and Canada.

In order to organize public opinion, it became apparent that a camp owners' association needed to be formed. An active information and education program was started that led to the formation of the Long Lake Water Quality Restoration Association, later renamed the Fish River Lakes Water Quality Association.

The Association developed bylaws, goals and elected officers. With this solid foundation, the Association began projects to complement its objectives of maintaining or restoring water quality and fish populations by controlling algae blooms and preventing fish kills. These short and long term goals will improve the recreational experience of local citizens and tourists. A partial listing of Association accomplishments follows:

- > developing a plan of work to guide activities for 1996.
- > receiving \$5947.01 in camp owner, local business, town and county donations.
- > obtaining an AmeriCorps participant to act as the Fish River Lakes Water Quality Association Coordinator.
- > implementing an Adopt-a-Stream Program in local schools and receiving several grants to fund the project.
- > working with town selectpersons and planning boards so that they become aware of water quality issues.
- > implementing a Fish Friends Program in local schools.
- > implementing a streamside incubation box program.
- > holding water quality tours, demonstrations, and barbecue.
- > distributing numerous copies of the RC&D developed sanitary surveys and matrix for the Fish River Chain of Lakes.
- > circulating a water quality display throughout the Area.
- > inventorying erosion problems at several boat launches on the Fish River Chain.
- > providing training to Shin Pond camp owners so they could form their own lake association and assisting with sanitary surveys.
- > having news articles published in the Bangor Daily News, St. John Valley Times, and St. John Valley S&WCD's newsletter.
- > having TV news programs feature water quality activities.
- > publishing the Fish River Lakes Water Quality Association newsletter.
- > holding quarterly meetings to inform the public.
- > attending numerous public meetings and providing testimony concerning the Fish River Chain of Lakes.
- > distributing thousands of copies of the brochure, "Lake Stewardship - How to Form a Lake Association".
- > completing the Sinclair's water quality improvement project which consisted of a waste water treatment plant, piping, pumping stations, lagoons and forest irrigation system.

- > extending the Sinclair system to Long Lake Campground and Lake Drive, bringing 150 residences' waste into the disposal system.
- > publishing the Fish River Lake Water Quality Association's Biannual Report.
- > inventorying future boat launch sites on the St. John River.
- > developing a plan to inventory Daigle Pond by working with local residences.
- > obtaining a Canadian Watershed Model and displaying it throughout the Area.
- > provided information to 1816 camp owners so that milfoil would not be introduced into the Fish River Chain of Lakes.
- > mailed thousands of copies of fact sheets, brochures, reports and sanitary surveys.
- > updated mailing lists for Long, Mud, Cross, and Square Lakes.
- > gave numerous awards to individuals and groups that have contributed to improving water quality in the Fish River Chain of Lakes.
- > participated in water quality planning efforts in Southern Aroostook.
- > working with camp owners to lessen their impact on lake water quality.
- > hosting several water quality educational tours in addition to the Annual Tour.
- > providing speakers and displays for various water quality meetings.
- > completing erosion control work for Barnbrook Road on Long Lake.
- > holding an Awards Ceremony where significant contributions to water quality improvement were recognized.
- > presented water quality programs to the Presque Isle and Caribou Rotary, malls, area schools and universities.

Recreation, Rails and Trails Committee

The Recreation Committee organized and carried out several extensive projects in 1995. A partial listing of their accomplishments follows.

- > obtaining an AmeriCorps participant to act as Trails Coordinator for the newly 72 acquired miles of railroad track on the old Bangor and Aroostook and Aroostook Valley rail lines. Over \$1,200,000 was obtained to complete this project.
- > working with several Aroostook County organizations to establish a regional Rails and Trails Association which developed bylaws and incorporated.
- > working with Caribou to develop a bike and walking trail around Collins Pond.
- > working with municipal officials in the Madawaska area to investigate the possibility of establishing a new trails system in the Valley that could be over 100 miles long.
- > hosting an international multi-use trails tour for the Maine Association of RC&Ds that visited Canadian and American trail systems.
- > hosting trail tours for the National AmeriCorps and USDA-NRCS administrations.
- > assisting Madawaska, Van Buren, Portage and Ashland with recreational planning.
- > inventoring St. John River access sites in St. Francis, St. John, Fort Kent, Frenchville, Madawaska, Grand Isle and Van Buren.

Waste Utilization Committee

The Waste Utilization Committee was busy updating past projects and developing new projects centering around the utilization of septage, sludge, solid waste, potato waste, and bioash.

Other Accomplishments Include

- > the Committee also worked with the St. John Valley Disposal District to develop a septic disposal area for five towns in the Van Buren area.
- > distributing thousands of copies of "The Care and Maintenance of Your Septic System" brochure.

Miscellaneous Rural Development and Other Activities

- > holding several brainstorming sessions that brought about a need to update the Area Plan which is the frame work document for the delivery of service to sponsors.
- > assisting the city of Presque Isle develop a community plan.
- > assisting the New England Association of RC&Ds develop a new awards program.
- > entering the National Association of RC&Ds Awards Program.
- > working with BDL Employment and Placement to develop a Business Partnership Council.
- > assisting BDL Employment and Placement place handicapped individuals in local natural resource industries.
- > chairing the Maine Association of RC&Ds.
- > celebrating the St. John Aroostook RC&Ds 30th Anniversary.
- > moving to new office space in the USDA Agriculture Building on the Fort Road, just outside of Presque Isle.
- > assisting in the development of AmeriCorps grants for the USDA-NRCS.
- > participating in regional RC&D Task Force Meetings.
- > attending Maine's Rural Development Council meetings.
- > placing an AmeriCorps Salmonid Coordinator on the Upper St. John River to work with our Canadian neighbors.
- > conducting numerous salmonid inventories.
- > planning a second St. John River 2000 International conference.
- > being selected as the New England regional entry for the nation's outstanding RC&D Council (Steering Committee).

**ANNUAL MEETING AND AWARDS BANQUET
MARCH 16, 1995**

The 1995 Annual Meeting featured a graphic arts theme.



Annual Meeting guests.

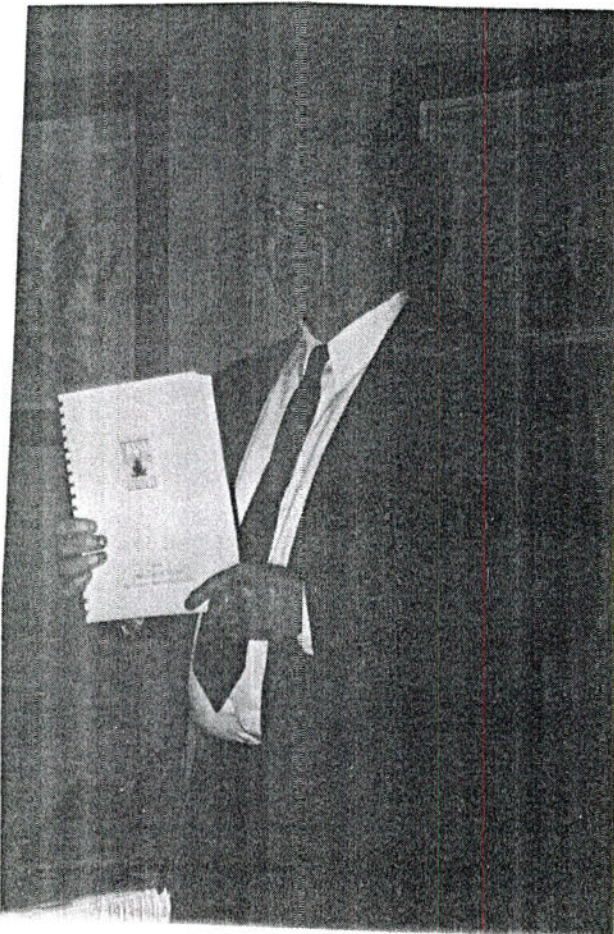
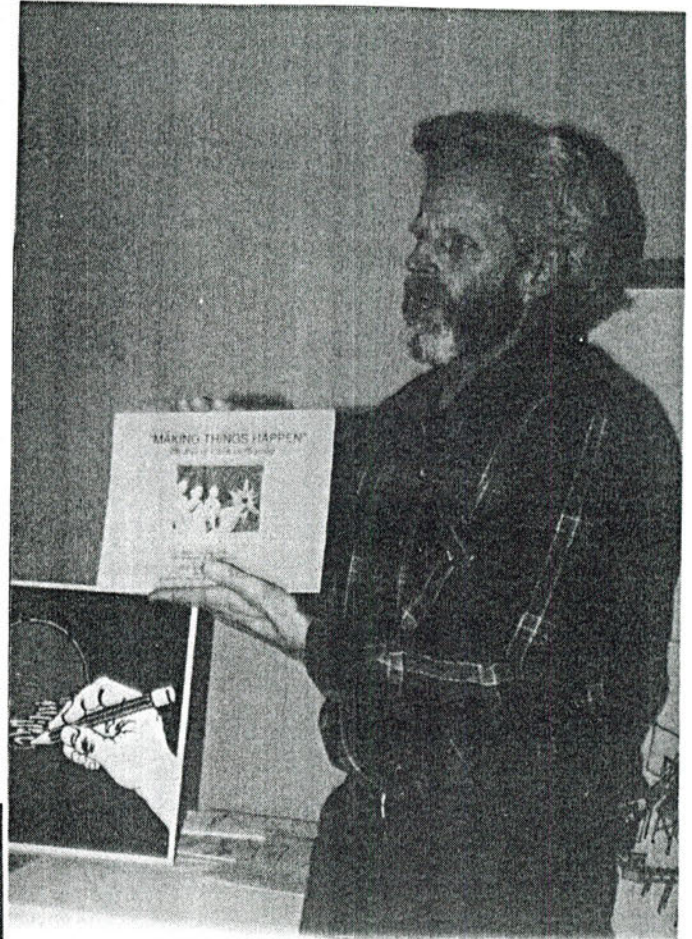


Awards.

ANNUAL MEETING AND AWARDS BANQUET

(continued)

Bruce Towle, Artist, discusses how visual arts can be used in the planning process to help the public better understand abstract planning concepts.



Vaughn Rasar, Coordinator, Heart of Maine RC&D, explains how the arts are used to display goals, objectives, and strategies in his RC&D Area.

ANNUAL MEETING AND AWARDS BANQUET
(continued)

Kathy Mazzuchelli, Steering Committee member, and Ed LeBlanc, Executive Director, SALEN Inc., review visual art concepts as it relates to apparel during the Annual Meeting.



Presque Isle High School Graphic Arts students view visual concepts during the Annual Meeting.

AWARDS



Philip Soucy (left), President, Fish River Lakes Water Quality Association, presents Richard Baird, Deputy State Conservationist, USDA-Natural Resources Conservation Service, with a distinguished service award for his assistance in obtaining an AmeriCorps Lakes Coordinator for the Fish River Lakes Water Quality Association.



George James (right), Chair, St. John Aroostook RC&D Steering Committee presents Philip Soucy, Steering Committee member, with a distinguished service award for his 25 years of unselfish service to the St. John Aroostook RC&D.

AWARDS
(continued)



George James (right), Chair, St. John Aroostook RC&D Steering Committee, presents Ed LaBlanc, Executive Director, SALEN Inc., and Kathy Mazzuchelli, Director, Caribou Parks & Recreation Department, certificates of merit for their efforts in assisting with the AmeriCorps program.



George James (left), Chair, St. John Aroostook RC&D Steering Committee, presents Duncan Beaton, Steering Committee member, with a distinguished service award for his unselfish donation of time to RC&D's activities.

AWARDS
(continued)



Robert Vigue (right), Chair, St. John Aroostook RC&D Forestry Committee, presents Bob Locke, Steering Committee member, with a distinguished service award for his unselfish service to the St. John Aroostook RC&D during the past 30 years (1964-1994).



AWARDS
(continued)



George James (right), Chair, St. John Aroostook RC&D, presents Charles Nadeau, Steering Committee alternate, with a commemorative picture taken on a forest products and marketing tour.



George James (left), Chair, St. John Aroostook RC&D, presents Arthur Dearborn III (center), RC&D Program Manager with a painted canoe paddle for his years of dedicated service to the RC&D program. Art retired from the USDA-Natural Resources Conservation Service in January of 1996. Art's wife Fran proudly stands by his side.

AWARDS
(continued)



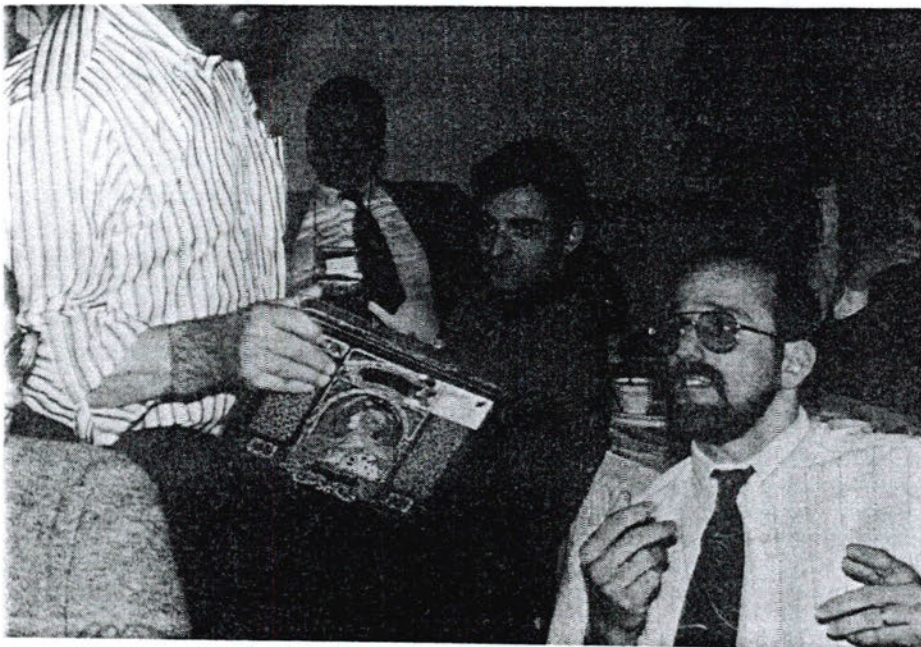
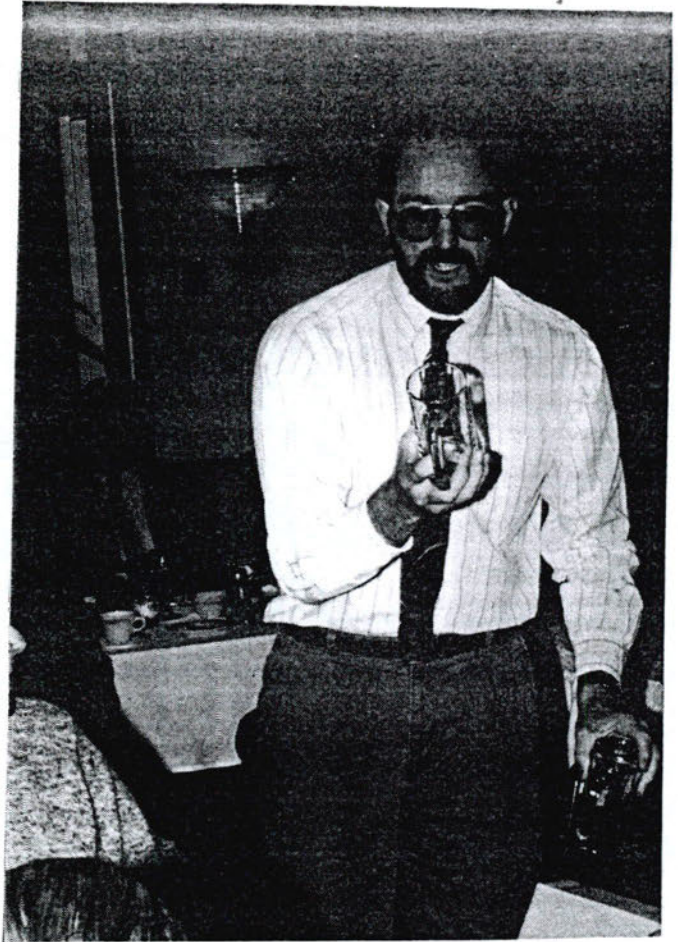
Dick Wood (right), President, New England Association of RC&Ds, presents Bob Vigue, Steering Committee member, St. John Aroostook RC&D, with the New England Association of RC&Ds first place award for best RC&D in New England. The award is based on an evaluation of six judges, one from each state in New England. The award was presented at the Association's Fall Meeting in Sturbridge, MA. All regional winners are eligible for the National Association of RC&Ds award for the nation's outstanding Council (Steering Committee).



Kathy Mazzuchelli (left), Director, Caribou Parks & Recreation, presents George James, Chair, St. John Aroostook RC&D Steering Committee, with an award for the RC&D's efforts in developing the Aroostook Valley Trail.

AWARDS
(continued)

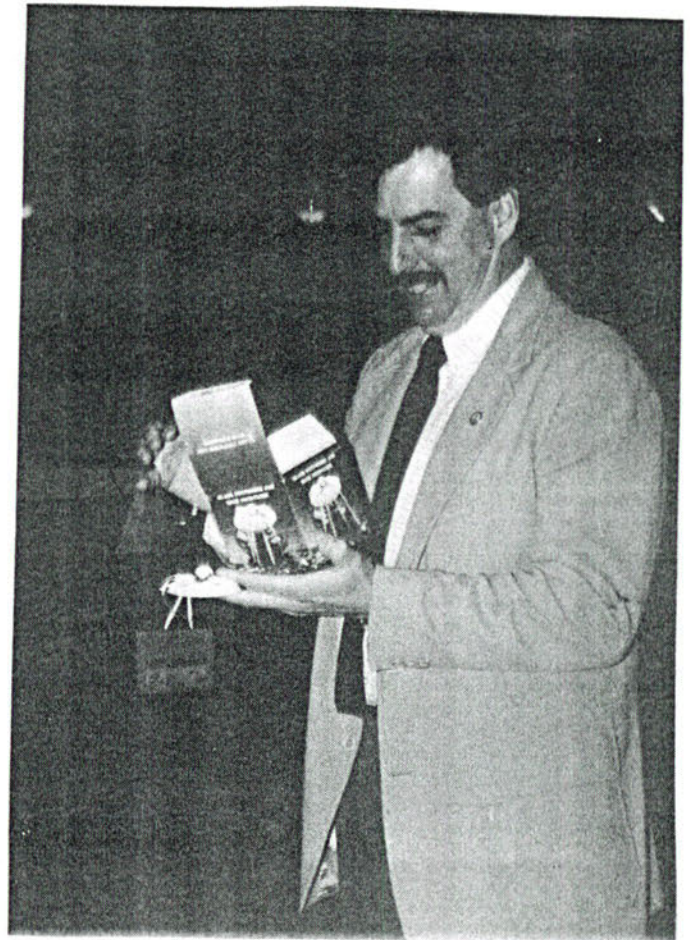
John Poliquin, Steering Committee member, views his soon-to-be-swapped present at the annual "Yankee Swap" held during the Steering Committee's Christmas Party.



What goes around comes around as Bob Vigue (left), Steering Committee member, swaps with John Poliquin, Steering Committee member.

AWARDS
(continued)

Tony Levesque, Steering Committee member, views his soon-to-be-swapped gift.



Bud Blumenstock, Steering Committee member, inspects his gift.

AWARDS
(continued)

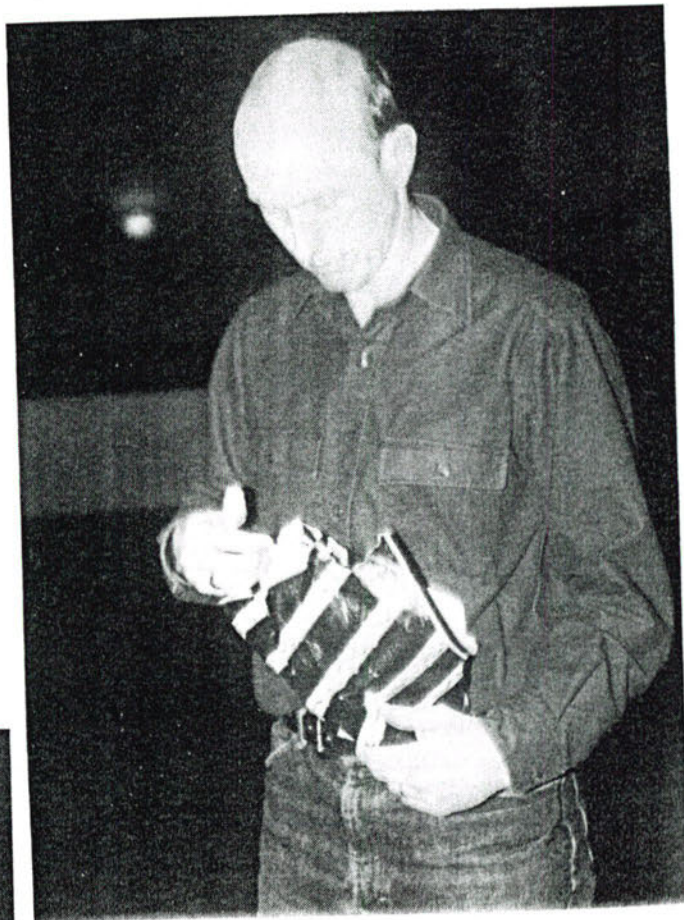
Coleen Churchill, RC&D Secretary,
reveals her gift.



Duncan Beaton, Steering Committee
member, unwraps a beautiful scented
candle.

AWARDS
(continued)

Tom Whitworth, Steering Committee member, unwraps his selected gift.



Rich Pelletier, District Representative, Congressman Baldacci's Office, shows off his find.

AWARDS
(continued)

Bob Vigue (sitting), Steering Committee member, loses his box of chocolates to Dave Ricker, Steering Committee member. Previously the chocolates belonged to John Poliquin, Steering Committee member.



Gary Edwards, Steering Committee member, inspects his gift.

AWARDS
(continued)

Charles Nadeau, Steering Committee alternate, unwraps a gift box of peanuts.



Dave Cyr, Steering Committee member, seems to be trying to figure out his gift as Coleen Churchill, RC&D Secretary, looks on.

AWARDS
(continued)

Dave Mussulman, State Conservationist,
USDA-Natural Resources Conservation
Service, unwraps his gift.



Philip Soucy, Steering Committee
member, seems to be "oohing" over
his find.

AWARDS
(continued)

Amanda Smith-Hatch, Salmonid Coordinator and AmeriCorps Participant, tries to distinguish her gift.



For the third year in a row Jim McBreairty, Steering Committee member, and his wife drew high, back to back numbers. By playing as a team they seem to be very satisfied.

AWARDS
(continued)

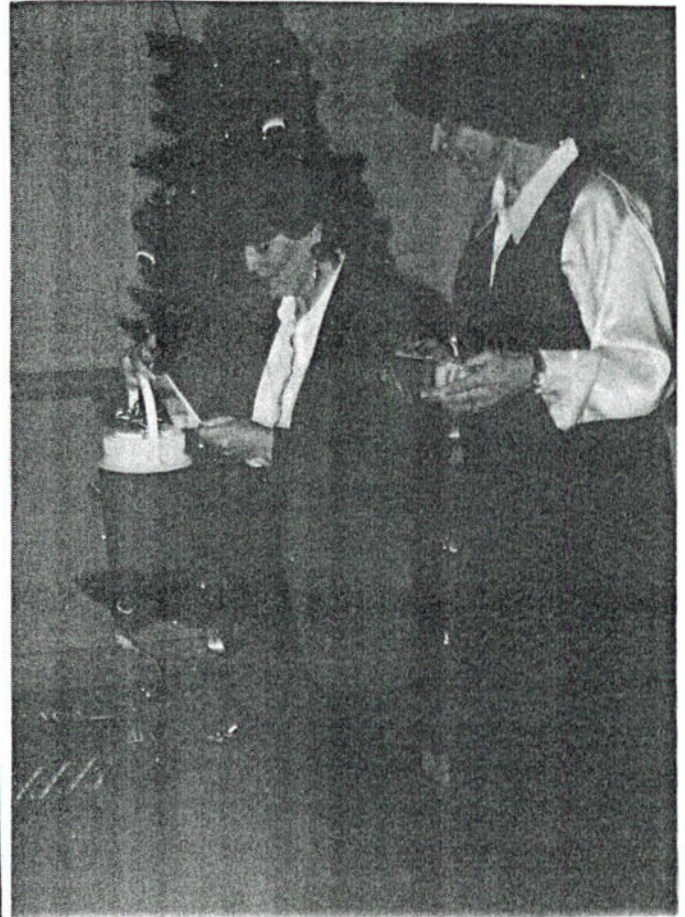
Otis Smith (left), Steering Committee member, examines his soon to be swapped gift.



Arthur Dearborn III, RC&D Program Manager, USDA-Natural Resources Conservation, searches for the chocolates which experienced many swaps.

AWARDS
(continued)

Lorie Ireland, District Representative,
Senator Cohen's Office, examines her
jug of homemade clam chowder which
she keeps!



Robert Locke, Steering Committee
member, prepares to unwrap his gift.
Will he swap? Who knows!

AWARDS
(continued)



The St. John Aroostook RC&D celebrated its 30th Anniversary (founded on November 10, 1965) at the December 14th, 1995, Steering Committee meeting, in addition to holding a business meeting, yankee swap, awards ceremony and panel discussion. Philip Soucy, longest continuing Steering Committee member (27 1/2 years), cut and served the cake.



Thanks to Tony Levesque, Steering Committee member, the 30th Anniversary was celebrated with this beautiful cake.

AWARDS
(continued)



Tim Washburn (above), Director, Maine Forest Products Marketing, draws the 50/50 raffle number. Duncan Beaton, Steering Committee member won.



Tony Levesque (right), Steering Committee member, presents Dunc with his winnings.

AWARDS
(continued)

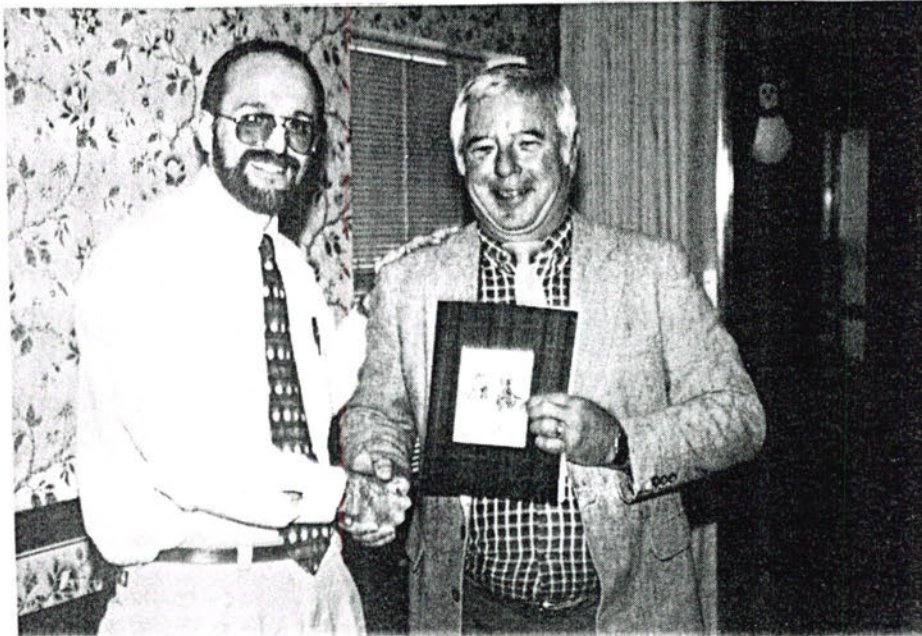


John Poliquin (standing), Chair, Maine Association of RC&Ds, welcomes members and guests to the Association's meeting and farewell celebration on December 15, 1995, for Art Dearborn III, RC&D Program Manager. Art retired from the USDA-Natural Resources Conservation Service in January of 1996.

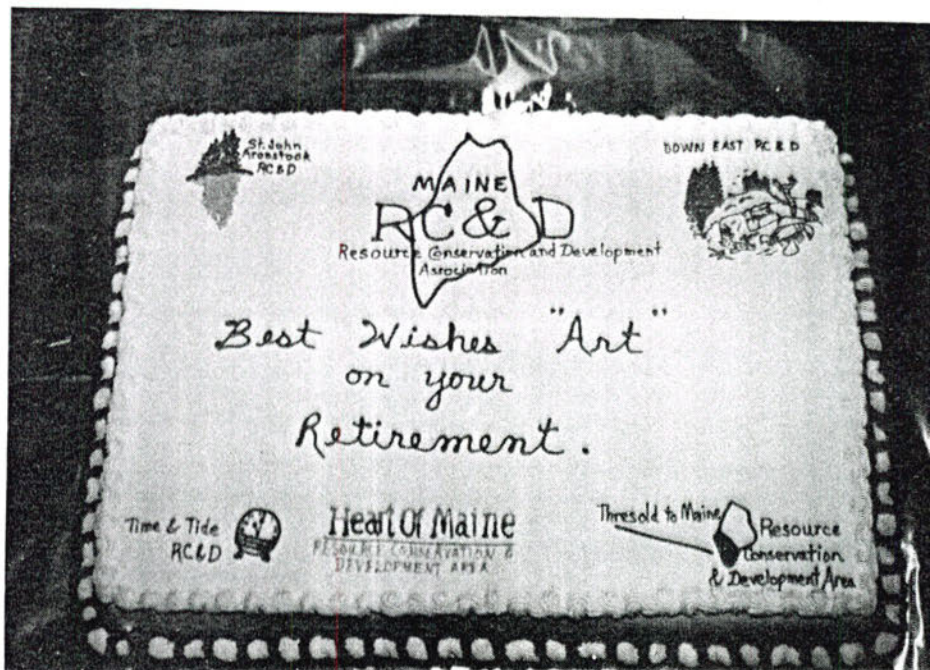


Art Dearborn III (second from the right), RC&D Program Manager, USDA-Natural Resource Conservation Service, and his family.

AWARDS
(continued)



John Poliquin (left), Chair, Maine Association of RC&Ds, presents Art Dearborn III, RC&D Program Manager, with an LL Bean gift certificate on behalf of the Association.



Art's Retirement Cake.

AWARDS
(continued)

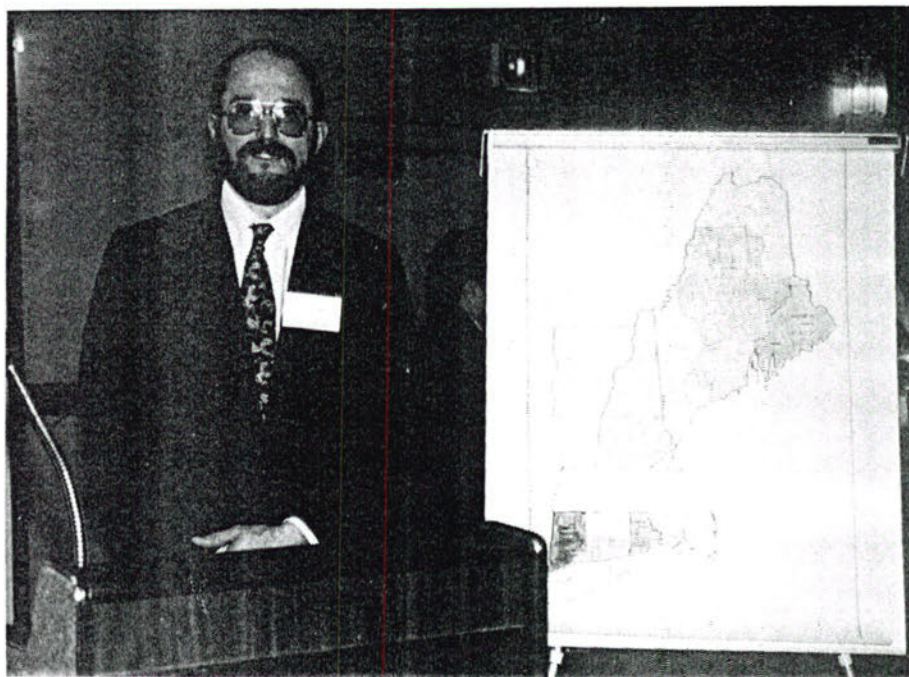


Renee' Foster-Poisson, RC&D Secretary, Threshold to Maine RC&D, is presented with a surprise birthday cake during the Association's meeting on December 15, 1995.



It's not too often all of Maine's RC&D Staff is together at the same time. Pictured above sitting, right to left, are Velma Orrcutt, RC&D Secretary, Down East RC&D; Coleen Churchill, RC&D Secretary, St. John Aroostook RC&D; and Renee' Foster-Poisson, RC&D Secretary, Threshold to Maine RC&D. Back row, from left to right, Sue Lee, RC&D Coordinator, Time & Tide RC&D; John Badger, RC&D Coordinator, St. John Aroostook RC&D; Arthur Dearborn III, Program Manager, USDA-Natural Resources Conservation Service; Dana Nelson, RC&D Coordinator, Down East RC&D; Mark Hews, RC&D Coordinator, Threshold to Maine RC&D; and Vaughn Rasar, RC&D Coordinator, Heart of Maine RC&D.

VOLUNTEER EFFORTS



John Poliquin, Steering Committee member and Chair of the Maine Association of RC&Ds in 1995, provides input to the National Association of RC&Ds National Task Force meeting held in Westbrook on April 8, 1995. John represented Maine's four RC&Ds.

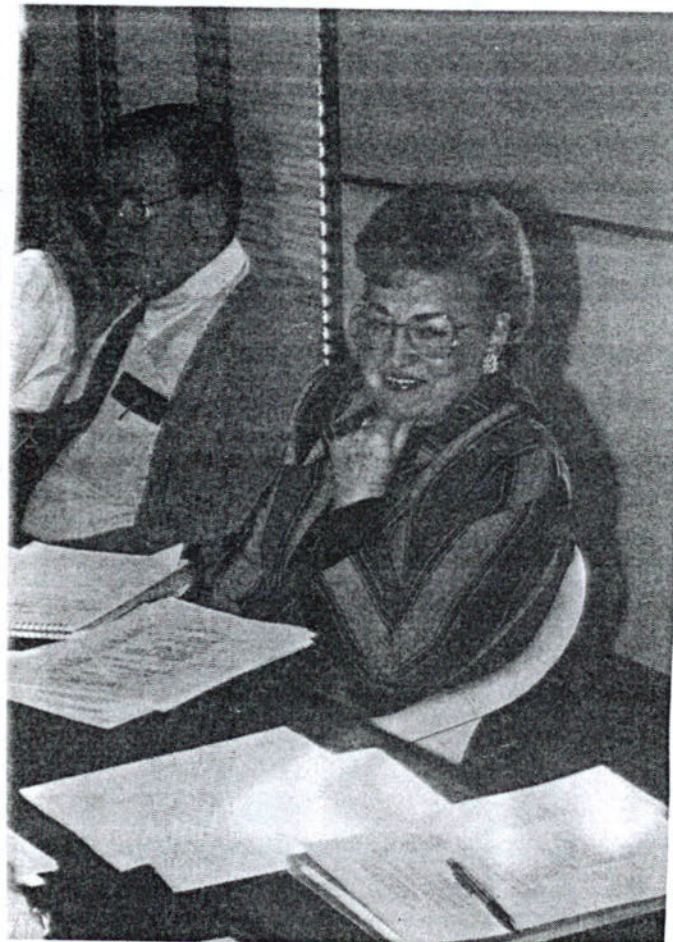


Robert Vigue, Steering Committee member, presented St. John Aroostook RC&D's opinions at the National Association of RC&Ds National Task Force meeting.

VOLUNTEER EFFORTS
(continued)

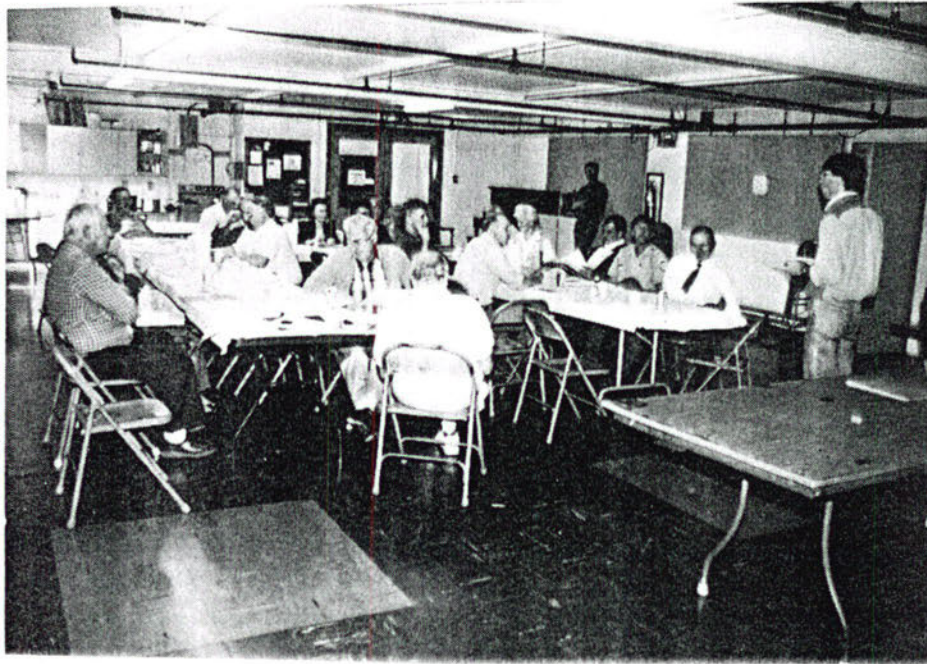


The Maine Association of RC&Ds (above) meets with Mary Seccombe (below), President, National Association of RC&Ds, just prior the National Task Force meeting.



VOLUNTEER EFFORTS

(continued)



The St. John Aroostook RC&D Steering Committee met in Houlton on September 7, 1995, to allow for participation by residents of Southern Aroostook. The Houlton Recreation Department hosts the event with a barbecue each Fall.



Dave Ricker (right), Steering Committee member, presented Jerry Desmond with his share of the 50/50 raffle winnings at the September 7, 1995, Steering Committee meeting.

VOLUNTEER EFFORTS
(continued)



Raymonde "Nicky" Violette (center, above and below), Lakes Coordinator, Fish River Lakes Water Quality Association and AmeriCorps participant, plans for the St. John Aroostook RC&D and Fish River Lakes Water Quality Association's annual tour with volunteer Board members who donated time, support and funds to ensure a successful event.



VOLUNTEER EFFORTS

(continued)



Philip Soucy (center), First Vice Chair, St. John Aroostook RC&D, serves as President of SALEN Inc., an international salmonid enhancement group working in the Upper St. John River Watershed.



SALEN Inc., Board of Directors are made up of United States and Canadian citizens pictured here with Amanda Smith-Hatch, Salmonid Coordinator and AmeriCorps participant.

VOLUNTEER EFFORTS (continued)



The Department of Fisheries and Ocean, Halifax, Nova Scotia, Canada, joined international water quality improvement efforts by lending the Fish River Lakes Water Quality Association their portable water quality model for an extended tour throughout Aroostook County.



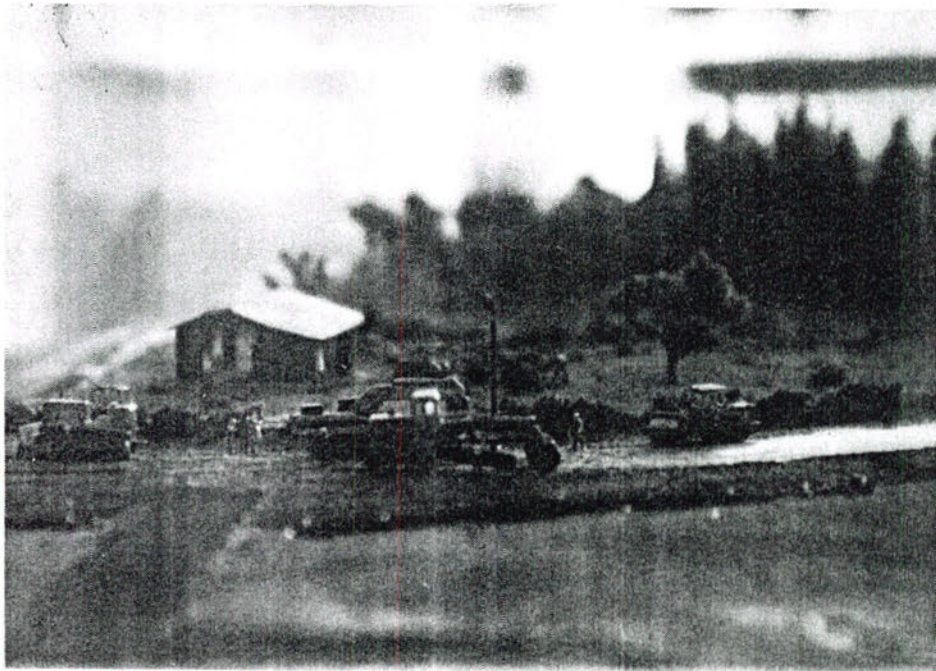
Staff of the Department of Fisheries and Ocean, Halifax, Nova Scotia, Canada, arrive with their water quality model.

VOLUNTEER EFFORTS

(continued)



Alan Morris (front), Board Member, Fish River Lakes Water Quality Association, and Principal of Ashland Special Education, assists his students in moving the water quality model from location to location.



Part of the water quality model shows the danger of improper road construction as it relates to water quality.

VOLUNTEER EFFORTS

(continued)



Mr. & Mrs. George James hosted an evening of fine dining for Dianne Gelburd, Northeast Regional Conservationist, USDA-Natural Resources Conservation Service, Steering Committee members and RC&D Staff, on July 18, 1995.



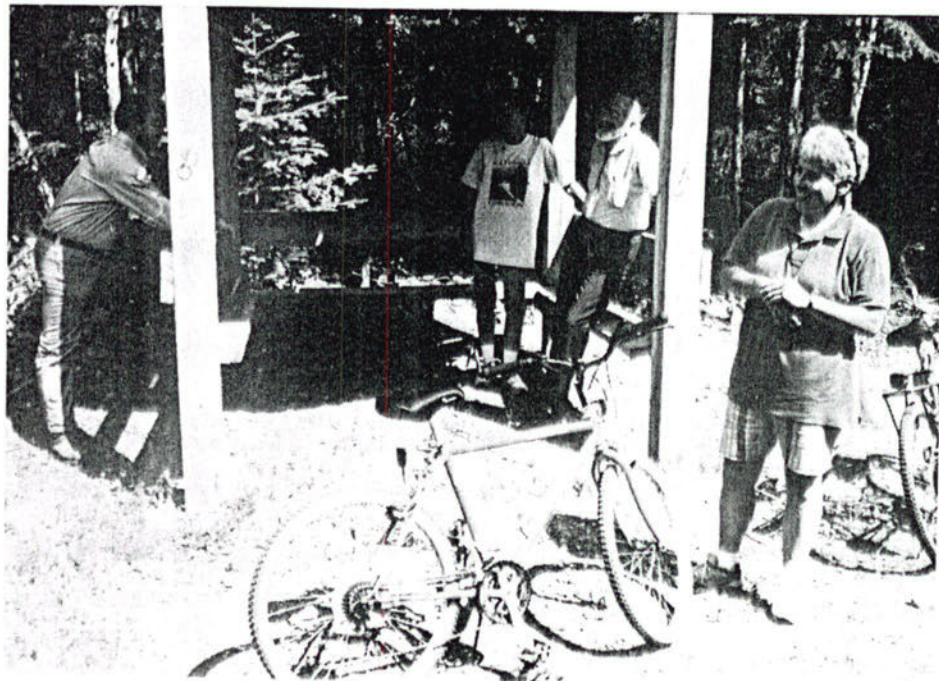
Bruce Wilkins (right), Consultant Forester and St. John Aroostook RC&D Steering Committee member, hosts a tour for Dianne Gelburd, Northeast Regional Conservationist, USDA-Natural Resources Conservation Service, and other members of the Steering Committee.

VOLUNTEER EFFORTS

(continued)



Kathy Mazzuchelli (left above and right below), Recreation Director, Caribou Parks and Recreation Department, and Steering Committee member, hosts a multi-use trail bike tour for Dianne Gelburd, Northeast Regional Conservationist, USDA-Natural Resources Conservation Service. The trail is a special St. John Aroostook RC&D project that receives USDA-Natural Resources Conservation Service, AmeriCorps support.



VOLUNTEER EFFORTS
(continued)



Dianne Gelburd, Northeast Regional Conservationist, USDA-Natural Resources Conservation Service, was the featured speaker at the Steering Committee's meeting on July 19, 1995



Velma Orrcutt, RC&D Secretary, Down East RC&D, is given a surprise birthday cake by the St. John Aroostook RC&D.

**ANNUAL TOUR
AUGUST 4, 1995**

The St. John Aroostook RC&D and Fish River Lakes Water Quality Association held an Annual Tour featuring water quality improvement efforts and practices installed in, on, and around the Fish River Chain of Lakes. This 573, 490 acre watershed has 31,190 acres of surface water in eight major lakes.



The tour started at the Sinclair Elementary School (above and below), at 8:30am with various speakers outlining the days events which ended with an evening barbecue. The tour was unique in that it featured separate events that could be attended by various public interest groups, who all came together at the end of the day.



ANNUAL TOUR
(continued)

Ray Herbert (pointing), prepares to conduct a tour of his agronomic best management practices that protect the soil on his farm adjacent to Long Lake.



Many participants on the tour were surprised that Ray Herbert's rotations completely did away with the need for expensive engineering practices to control erosion.

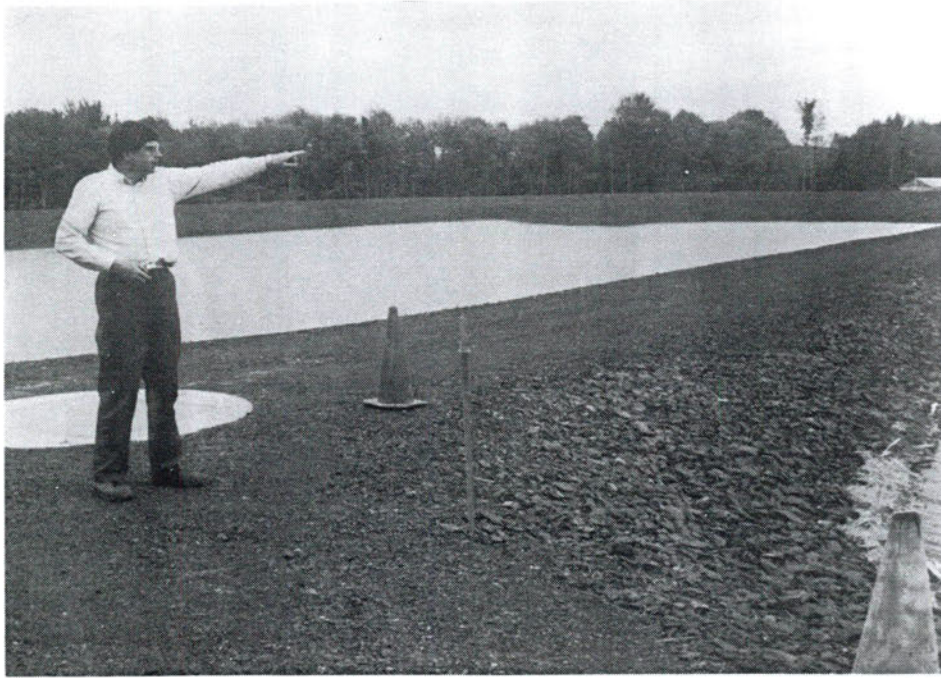
ANNUAL TOUR
(continued)



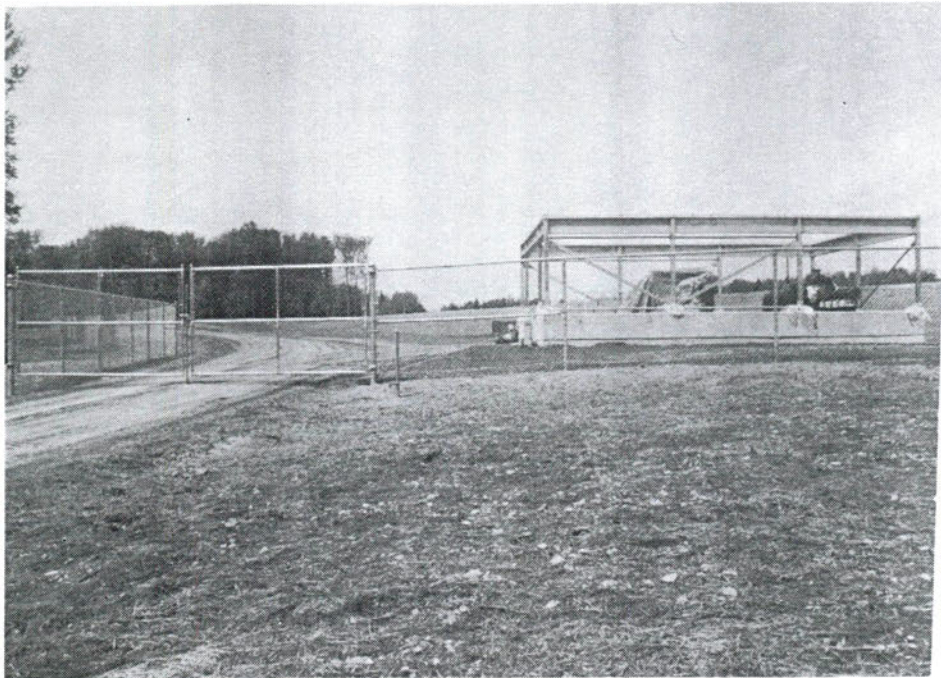
Tour participants view a newly constructed pumping station (above and below) that is part of Sinclair's multi-million dollar sewerage system that began operation in the Fall of 1995.



ANNUAL TOUR
(continued)



Dave Cyr (above), Public Works Director, County of Aroostook, and Steering Committee member, points out one of several holding facilities for sewerage, along with a huge pumping station (below) for the sprinkler irrigation/disposal system.



ANNUAL TOUR
(continued)



A walking tour of the eighteen acres of huge sewerage holding lagoons (above and below).



ANNUAL TOUR
(continued)

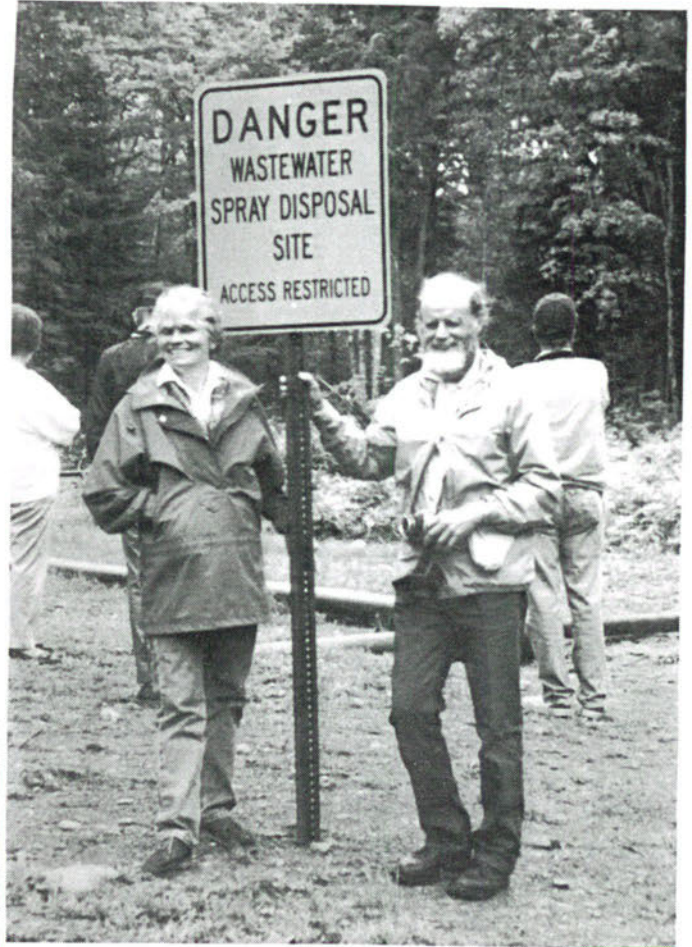


Tour participants view the first working demonstration of the forest irrigation (disposal) system. Notice that everyone (below) keeps their distance. Wonder why?



ANNUAL TOUR
(continued)

Dr. and Mrs. Eberhard Thiele, tour participants, pose next to a warning sign. Dr. Thiele is Vice President of the Fish River Lakes Water Quality Association and a strong supporter for the development of spray disposal systems (below) around the Fish River Chain of Lakes.



ANNUAL TOUR (continued)



The Maine Department of Transportation held a demonstration showing a number of different methods to control road ditch erosion. The St. John Aroostook RC&D and Fish River Lakes Water Quality Association have been very active in assisting camp owners and municipalities control ditch erosion by constructing a number of demonstrations around Long and Square Lakes.



Just prior to the barbecue participants were treated to a tour of Long Lake. Participants viewed water quality improvement practices. The Bald Eagle nesting sites were an added treat.

ANNUAL TOUR
(continued)

Philip Soucy (right), President, Fish River Lakes Water Quality Association, presents Mr. and Mrs. Ray Herbert with a distinguished service award that recognized their agronomic farming practices that improve water quality in Long Lake. The awards were presented at the camp of Al Cyr, Sr., where the evening barbecue was held.

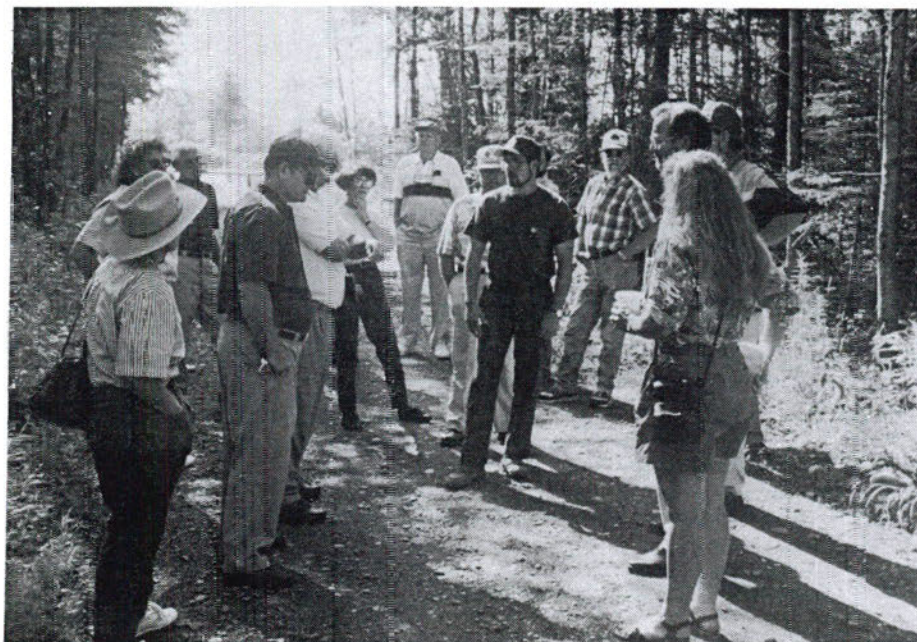


Philip Soucy (right), President, Fish River Lakes Water Quality Association, presents Butch Thibodeau, Sinclair's Sanitary District with a distinguished service award for the District's water quality improvement efforts on Long Lake.

**MAINE ASSOCIATION OF RC&D SUMMER TOUR
HOSTED BY
THE ST. JOHN AROOSTOOK RC&D
JULY 28, 1995**



The St. John Aroostook RC&D hosted a tour for Maine's RC&Ds. Art Faucher, Town Manager, Madawaska, led the tour that highlighted the importance of the St. John River to the Valley, Acadian culture, trail development and water quality improvements in the Fish River Chain of Lakes. Tour participants (above and below) inspect trail development work just outside of Caribou.



MAINE ASSOCIATION OF RC&D SUMMER TOUR
(continued)



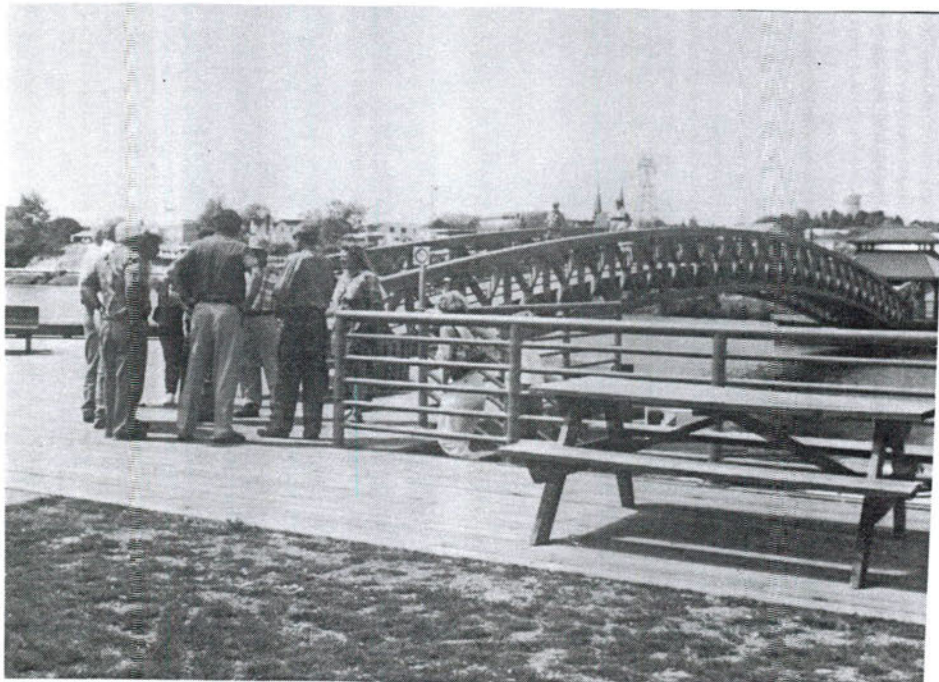
Tour participants traveled on the Canadian side of the St. John River, to view sites on the United States side, from the Canadian perspective. At Edmundston, New Brunswick, Canadian municipal officials (above and below), gave a tour of the newly developed Canadian trail system.



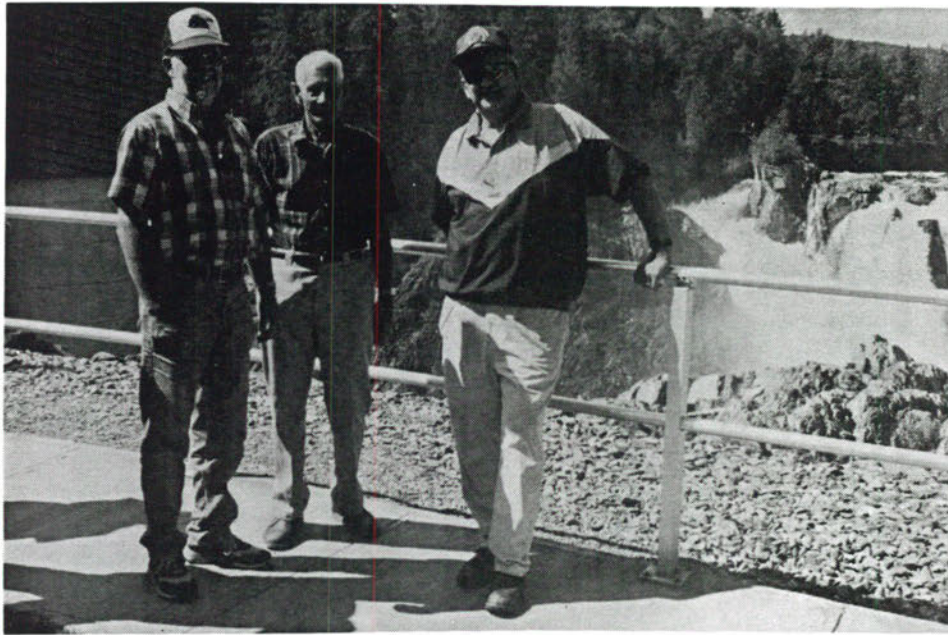
MAINE ASSOCIATION OF RC&D SUMMER TOUR
(continued)



Former log storage facilities (above and below) were converted to a marina and trail by Edmundston, New Brunswick, Canada, planners. These new facilities were truly impressive.



MAINE ASSOCIATION OF RC&D SUMMER TOUR
(continued)



Philip Soucy (above), Steering Committee member, St. John Aroostook RC&D, conducts a tour of Grand Falls in New Brunswick, Canada, for tour participants.



The town of Madawaska hosted the noon luncheon for tour participants at Long Lake. The afternoon was spent touring the water quality improvement practices around Long Lake.

**FOREST PRODUCTS MARKETING TOUR
AUGUST 16, 1995**

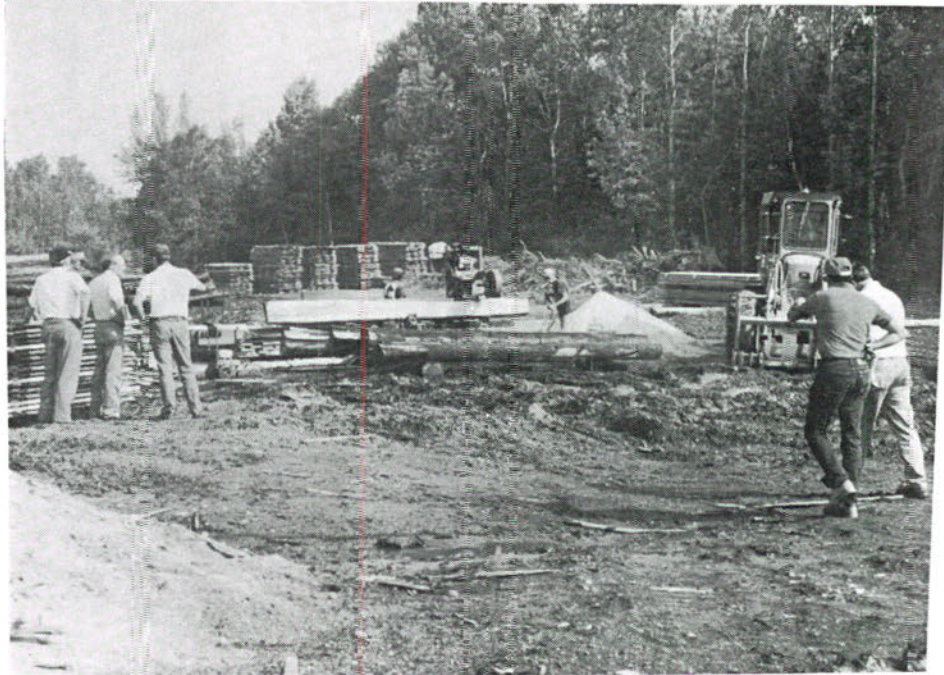


The St. John Aroostook RC&D conducted a Forest Products Marketing Tour for economic development specialists and investors.



Jim Carson (far right), President, Porter Woodworking, graciously hosted the tour's morning session. Participants show off some of the operations products.

FOREST PRODUCTS MARKETING TOUR
(continued)

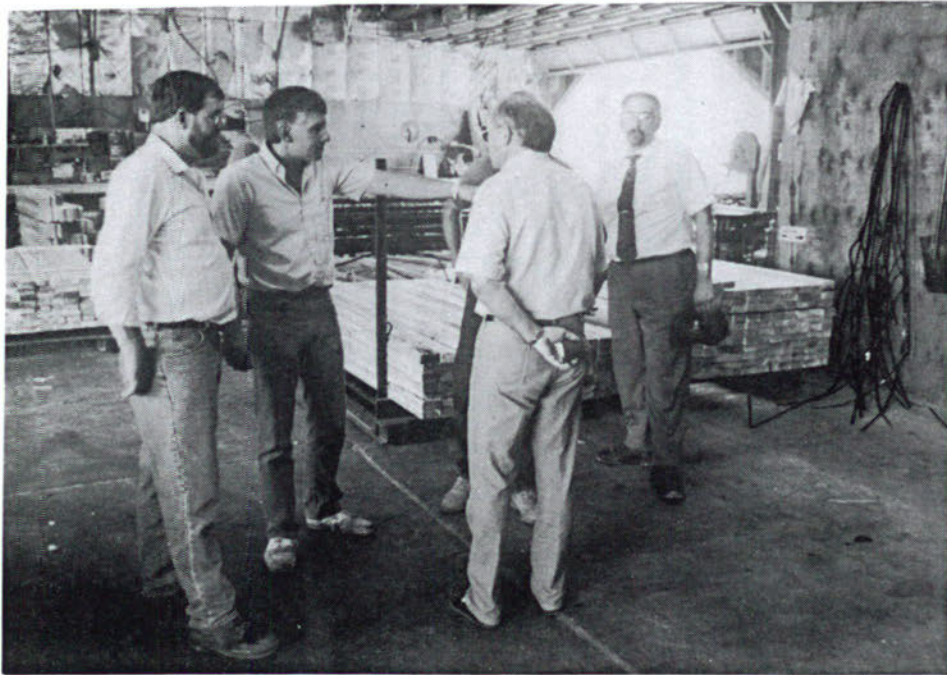


Porter Woodworking log yard where white ash is processed.



Dave Gordon (holding planter), President, Katahdin Forest Products, hosts the afternoon session where product lines run from cedar planters to log homes.

FOREST PRODUCTS MARKETING TOUR
(continued)



Katahdin Forest Products processing facilities.



Dave Gordon (right), President, Katahdin Forest Products, displays his new lawn furniture line.

INFORMATION AND EDUCATION ADOPT A STREAM

Adopt A Stream is an educational program whose objective is to: "encourage students to gain a sense of stewardship, an environmental ethic, and a willingness to take action to improve our environment". The program was implemented with a grant from the Aroostook Beverage Company and Coors Pure Water 2000 in five schools within the Fish River Chain of Lakes Watershed and reached students in the fourth, fifth, eighth, and ninth grades. The schools involved were: Sinclair, Frenchville, and Grand Isle Elementary, St. Agatha Middle, and Ashland High School. It was our hope that once we visit the schools, the teachers will take action to carry out the program in the future. The subject areas involved in the curriculum include: the geography, ecology, and history of the students' adopted stream; how pollution enters the watershed; and ways we can protect the environment. Activities the students will be able to take part in range from building their own watershed to visiting the actual stream to monitor the water quality and pollution. The monitoring equipment was provided by the USDA-Natural Resources Conservation Service and Chad Bourgoin, Volunteer, University of Maine at Fort Kent.



Kathy Marshall (left), Teacher, Patrick Theriault School, Sinclair, and Chad Bourgoin, Volunteer, University of Maine at Fort Kent. Kathy extended her fourth and fifth grade science curriculum to include several topics of water quality. Extra environmental activities she put together outside of Adopt A Stream included visiting the Sinclair Sewerage Treatment Plant, creating a model of the Treatment Plant, making an ecology mural, and several other water quality related activities.

INFORMATION AND EDUCATION
ADOPT A STREAM
(continued)



Model clay watershed constructed by fourth, fifth and sixth graders at the Frenchville Elementary School for Adopt A Stream.



Raymonde "Nicky" Violette (right), Lakes Coordinator, Fish River Lakes Water Quality Association and AmeriCorps participant, assists students at the Sinclair Elementary School construct a clay watershed.

INFORMATION AND EDUCATION
ADOPT A STREAM
(continued)



Grand Isle Elementary School students (above) and their newly constructed watershed (below).



INFORMATION AND EDUCATION
ADOPT A STREAM
(continued)



Chad Bourgoïn (left, above and below), Volunteer, University of Maine at Fort Kent, works with students from St. Agatha's Elementary School on their Adopt A Stream project.

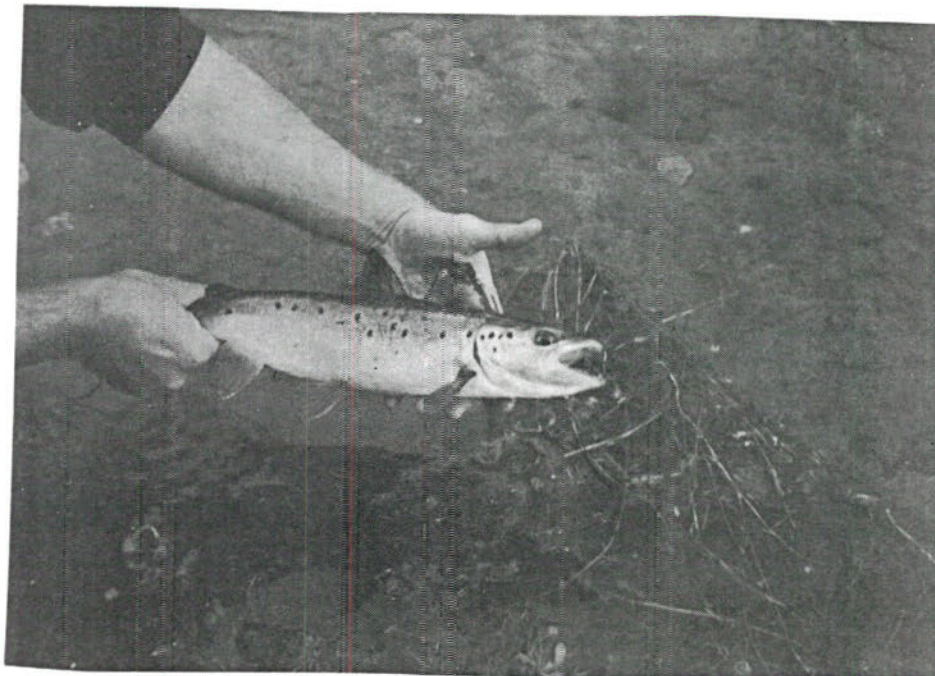


INFORMATION AND EDUCATION STREAMSIDE INCUBATION BOX

The St. John Aroostook RC&D working in conjunction with SALEN Inc., the Atlantic Salmon Association for the Upper St. John, and YCAP AmeriCorps volunteers, designed and built a prototype streamside incubation box. The Aroostook Beverage Company and Coors Pure Water 2000 provided a grant for construction materials. The box will be stocked with salmonid eggs which allow for the natural stocking of streams. Eyed eggs are deposited in the box and the available flow of water from a stream is used to incubate the eggs. The fry are then collected in a connecting tank and released at an appropriate site.



Incubation box.

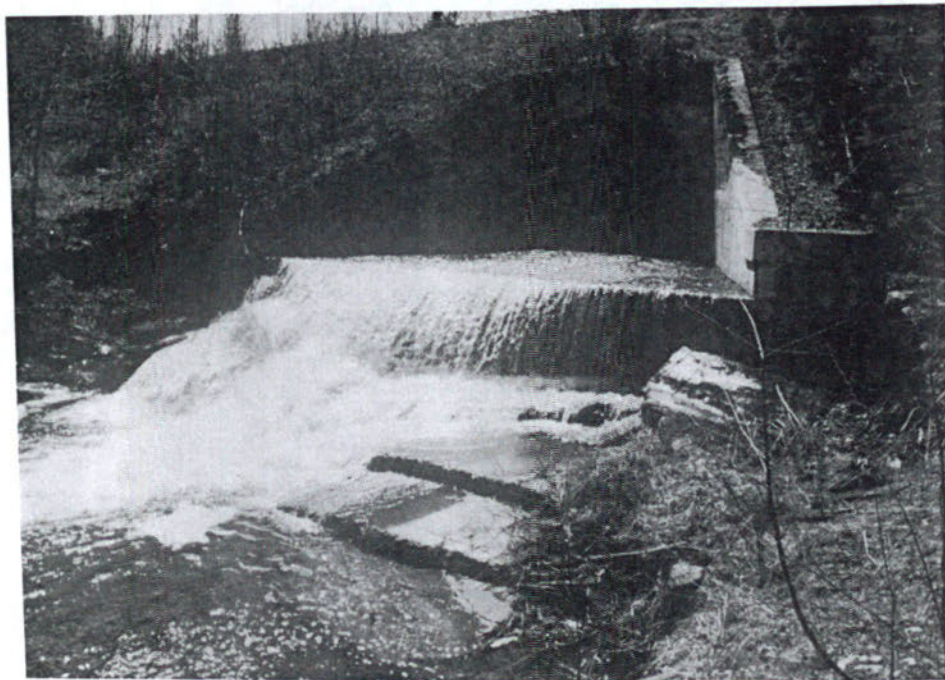


The final product.

INFORMATION AND EDUCATION
STREAMSIDE INCUBATION BOX
(continued)



Amanda Smith-Hatch (above), Salmonid Coordinator, SALEN Inc. and AmeriCorps participant, surveyed numerous tributary streams (below) flowing into the St. John, so that adequate sites can be found for future streamside incubation boxes.

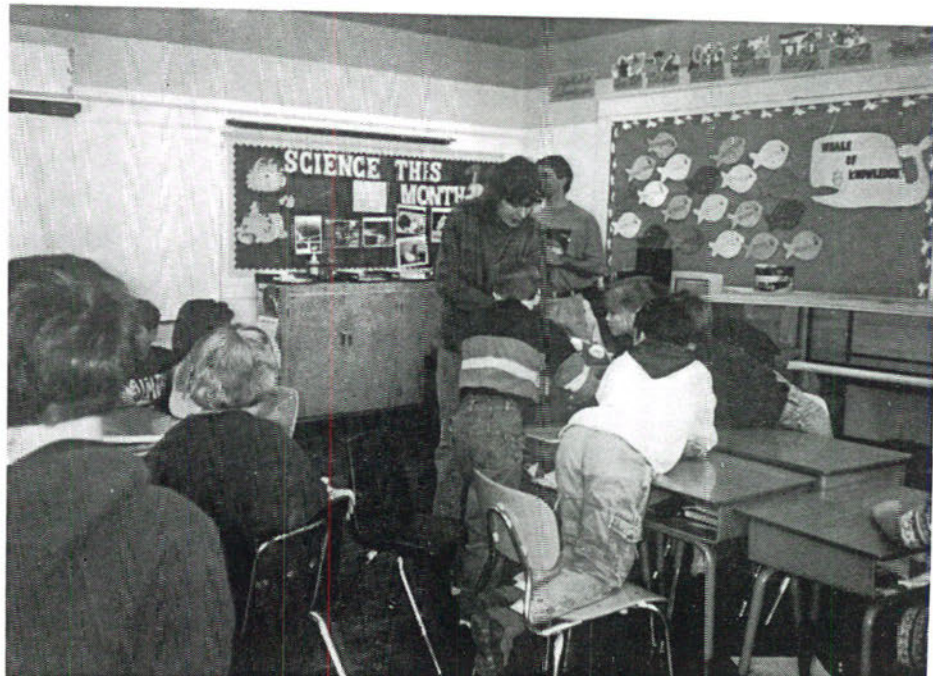


INFORMATION AND EDUCATION FISH FRIENDS

"Fish Friends", an educational project which involves classroom observation of Atlantic salmon incubation and development, made its debut in Aroostook County in 1995, thanks in part to Atlantic Salmon for the Upper St. John, the Atlantic Salmon Federation, USDA-Natural Resources Conservation Service's AmeriCorps Program, and Frazer Paper, Inc..



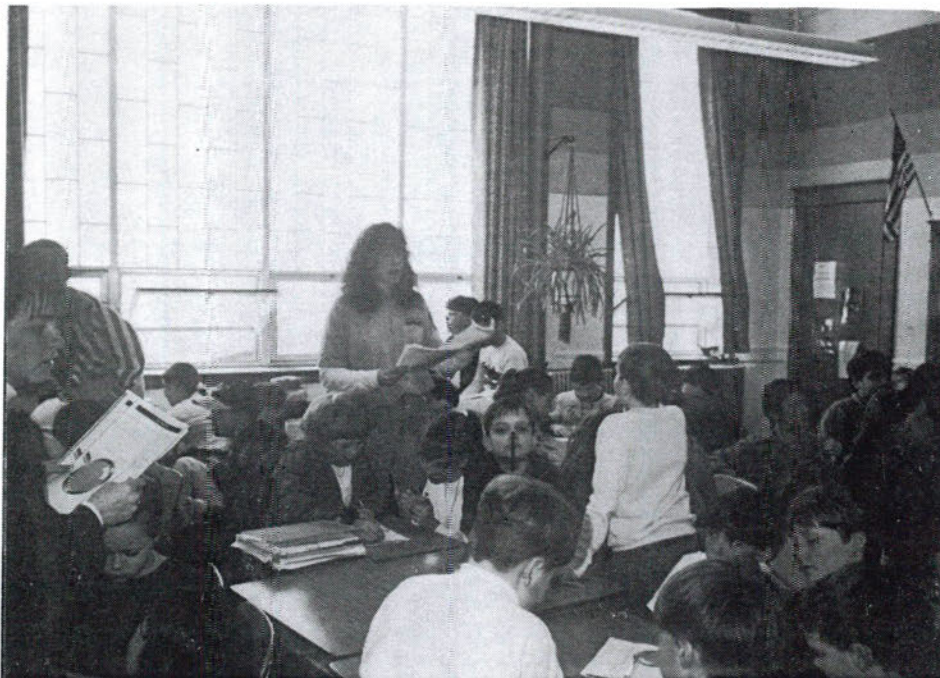
Mike Hill (standing, above-right), Atlantic Salmon Federation, and Amanda Smith-Hatch (standing, below-left), Salmonid Coordinator, SALEN, Inc. and AmeriCorps participant, teaches fourth graders at Acadia Elementary School in Madawaska about Atlantic salmon. Acadia Elementary was the site for Aroostook County's "Fish Friend" salmon incubation program.



INFORMATION AND EDUCATION
FISH FRIENDS
(continued)



Gina Jandreau (left), Teacher, Acadia Elementary School, video tapes the much-anticipated "laying down of eggs".



Gina Jandreau (far, left), Teacher, Acadia Elementary School, and Amanda Smith-Hatch, Salmonid Coordinator, SALEN, Inc. and AmeriCorps participant, led the class of 4th graders in a salmon ecology lesson.

INFORMATION AND EDUCATION

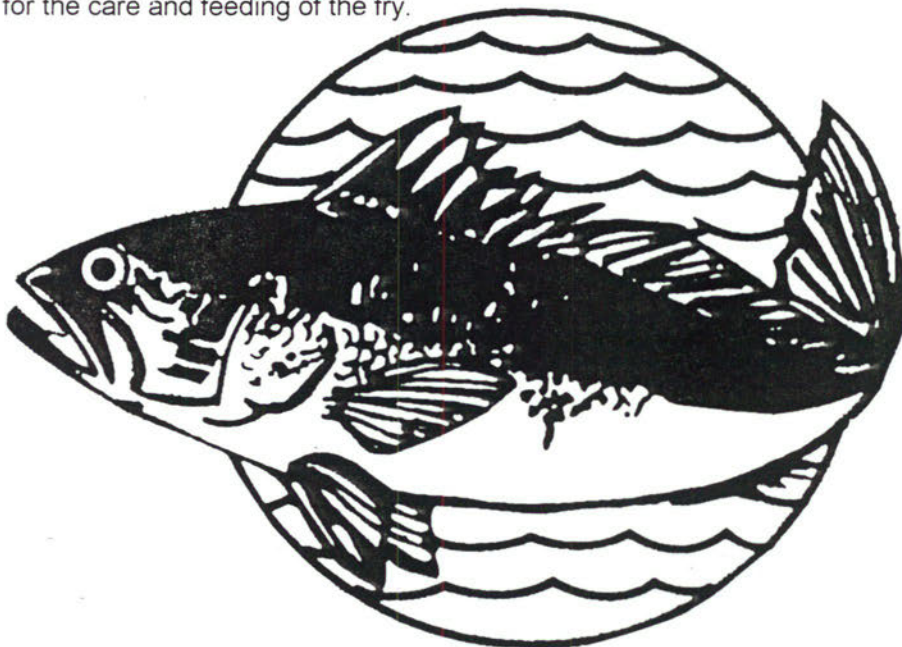
FISH FRIENDS

(continued)

The fourth graders at Acadia Elementary School in Madawaska said good-bye to the 450 landlocked Atlantic salmon fry, they've raised from eyed egg stage during this past Spring, and released the small fish in a tributary of the St. John on Monday, June 5th. The "Fish Friends" program, which involved the incubation and rearing of salmonid species in a classroom setting, was a big hit with the entire fourth grade class, as well as the teachers and parents. The Atlantic Salmon Federation has helped this program gain popularity throughout Maine, and with the assistance of the St. John Aroostook RC&D, the Atlantic Salmon Association for the Upper St. John and funding from Frazer Paper, Ltd..



Fish Friends are using a thirty-gallon aquarium and an attached cooling unit. Salmonid eggs in the eyed stage are incubated and hatched out, allowing the students to observe the different stages of development and to assume responsibility for the care and feeding of the fry.



**INFORMATION AND EDUCATION
ENVIRONMENTAL CAREER AWARENESS DAY**



Water quality testing equipment.



Amanda Smith-Hatch, Salmonid Coordinator, SALEN, Inc., and AmeriCorps participant, presents water quality information and education to Ashland High School students at their Environmental Career Awareness Day in October of 1995.

**INFORMATION AND EDUCATION
TELEVISION BROADCASTS**



WAGM-TV films Evening News broadcasts concerning AmeriCorps (above) and multi-use trail systems (below).



INFORMATION AND EDUCATION DISPLAYS

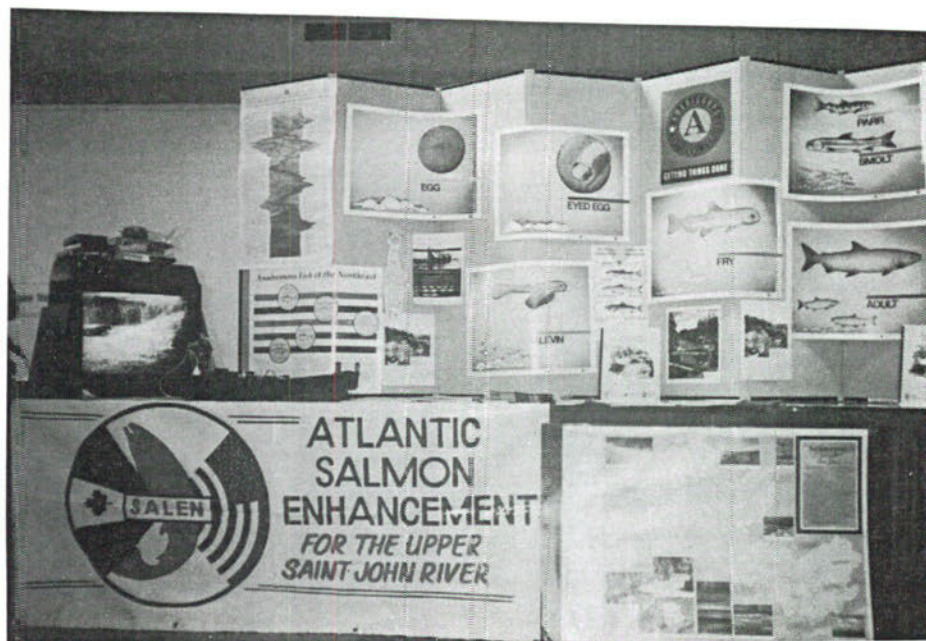


The St. John Aroostook RC&D's display, featuring our time honored themes of volunteerism, technical assistance, information and education, was shown throughout the RC&D area and Maine.



Featured along with the RC&D display is the Fish River lakes Water Quality Association's display.

**INFORMATION AND EDUCATION
DISPLAYS**
(continued)



Amanda Smith-Hatch, Salmonid Coordinator, SALEN, Inc., and AmeriCorps participant, displays salmonid information at the Aroostook Centre Mall.



**INFORMATION AND EDUCATION
DISPLAYS**
(continued)



Raymonde "Nicky" Violette (above and below), Lakes Coordinator, Fish River Lakes Water Quality Association, and AmeriCorps participant, discusses water quality issues at the Aroostook Centre Mall.



**INFORMATION AND EDUCATION
DISPLAYS**
(continued)

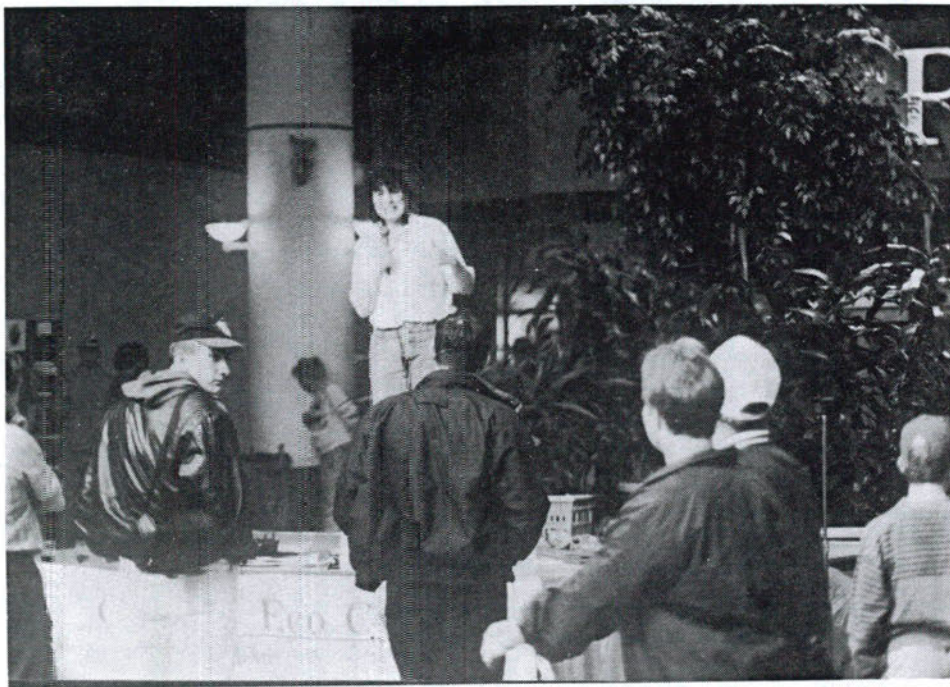


Gary Marquis, Trails Coordinator, Caribou Parks and Recreation Department and AmeriCorps participant, displays trail construction progress at the Aroostook Centre Mall.



Raymonde "Nicky" Violette, Lakes Coordinator, Fish River Lakes Water Quality Association and AmeriCorps participant, demonstrates an Adopt a Stream model at the Aroostook Centre Mall.

INFORMATION AND EDUCATION
DISPLAYS
(continued)



Amanda Smith-Hatch (above and below), Salmonid Coordinator, SALEN, Inc. and AmeriCorps participant, conducts a water quality talk at the Aroostook Centre Mall.



**TECHNICAL ASSISTANCE
USDA-NATURAL RESOURCES CONSERVATION SERVICE'S
A TEAM**



USDA-Natural Resources Conservation Services employees meet several times a year to coordinate their assistance to citizens and municipalities. The December meeting featured a Christmas party and "Yankee Swap".



George James, Chair, St. John Aroostook RC&D, attempts to bring home a Christmas wreath that had seen many swaps.

TECHNICAL ASSISTANCE
USDA-NATURAL RESOURCES CONSERVATION SERVICE'S
A TEAM
(continued)

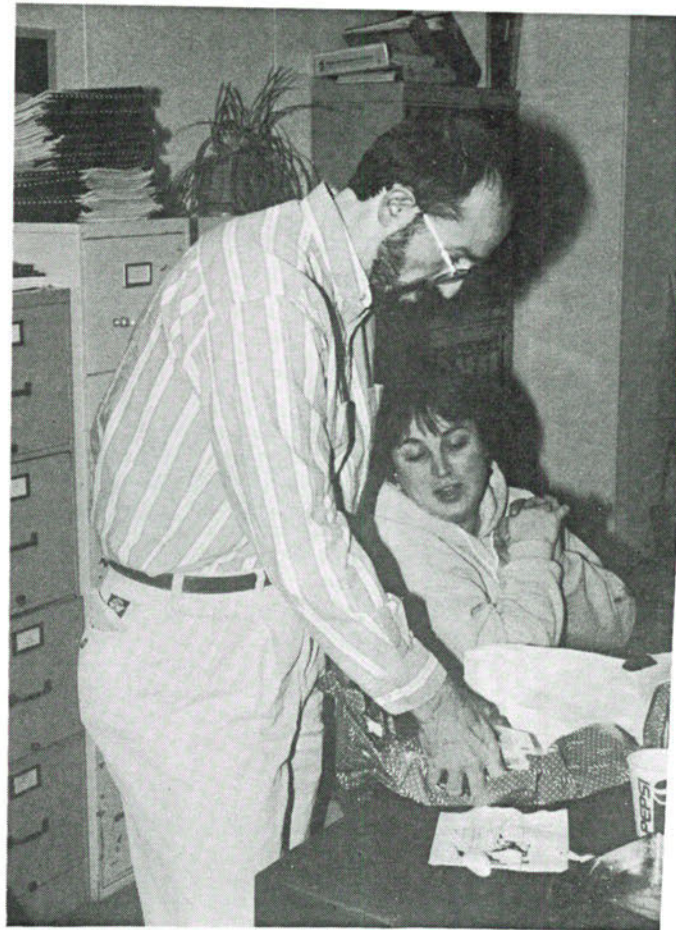
Dave Tingley, District Conservationist,
Natural Resources Conservation Services,
Fort Kent, views his gift during the
"Yankee Swap".



Mike Pelletier, Soil Technician, Natural Resources
Conservation Service, Fort Kent, tries to decide
whether to swap or keep.

TECHNICAL ASSISTANCE
USDA-NATURAL RESOURCES CONSERVATION SERVICE'S
A TEAM
(continued)

John Poliquin, Steering Committee member,
St. John Aroostook RC&D, opens his gift.



Holly Umphrey, Soil Technician, Natural
Resources Conservation Service opens
her gift.

TECHNICAL ASSISTANCE AMERICORPS

Similar in style to the Peace Corps, AmeriCorps' mission is the "recruitment of citizens to address critical educational, human service, public safety, and environmental problems the country is currently facing. Through this program, Americans 17 and older of all backgrounds can earn education awards for college or vocational training. Services rendered by the program include: combating hunger in cities, establishing farmers' markets, and creating micro-enterprise projects. In addition, the rural development program acts to promote overall economic development, boost sustainable agriculture, improve rural housing, support youth volunteer programs, respond to disasters and improve participation in existing government programs. The St. John Aroostook RC&D is utilizing the rural development program to help Aroostook communities conserve, restore and sustain the natural habitat.

Four AmeriCorps employees are working in Aroostook County under a grant funded by the USDA-Natural Resources Conservation Service with coordination provided by the St. John Aroostook RC&D. Local towns and groups are acting as individual sponsors.



St. John Aroostook RC&D AmeriCorps Participants (left to right), Denise Perry, Raymonde "Nicky" Violette, Amanda Smith-Hatch and Gary Marquis.

TECHNICAL ASSISTANCE

AMERICORPS

(continued)

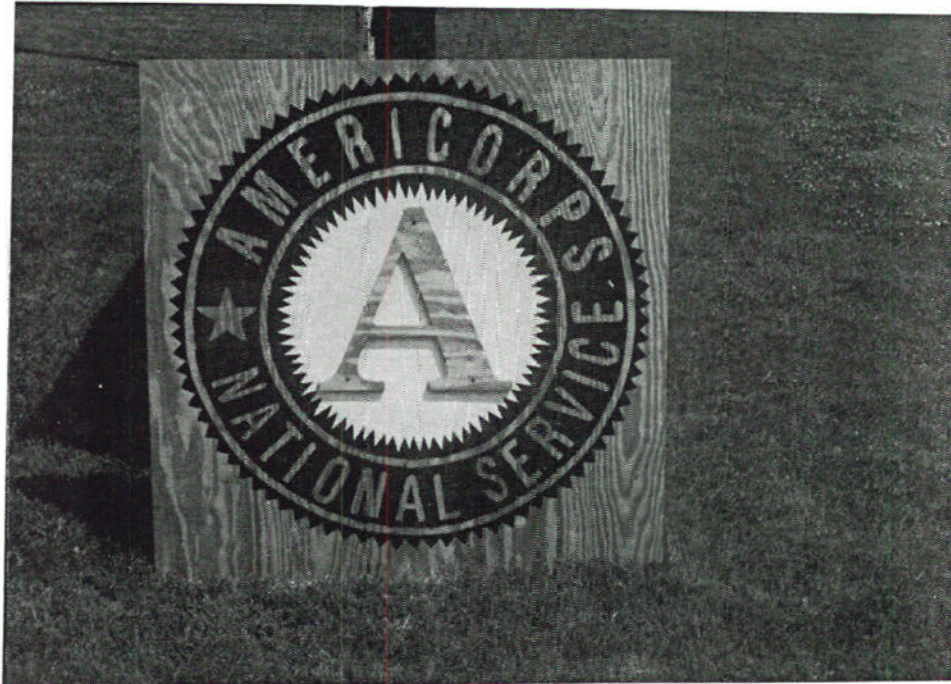
"AmeriCorps Brings Young People Back to the County"

By Raymonde "Nicky" Violette, AmeriCorps Participant

Many of Aroostook's small towns are facing the reality that most of their youth, upon graduating from school, are forced to find employment elsewhere for lack of work in their hometown. An AmeriCorps objective is to bring such young people back home to use learned skills to serve the people and help conserve our abundant natural resources.

Sponsored by the Natural Resources Conservation Service, under the umbrella of the United States Department of Agriculture, twenty such volunteers spread their knowledge across the state of Maine to emphasize the importance of preserving water quality. Their jobs ranged from working with cranberry farmers to environmental education, to maintaining and building recreation trails, to coordinating lake activities in the Fish River Chain of Lakes watershed. To obtain such a volunteer, we went through the grant writing process and provided a total amount of \$1800. The federal government provided the rest which included a \$12,000 stipend, and an educational grant of \$4,765 at the end of the service year.

To the County came four aspiring pioneers, rather new to the inner workings of political circles and inter-related communities. One, Amanda Smith-Hatch, had the task of acting as liaison in Grand Falls, New Brunswick, to investigate the introduction of the Salmonid species in the Upper St. John River. Another, Denise Perry, focused her efforts on coordinating water quality management activities in Southern Aroostook County. Her plan of work included sanitary surveys of Shin Pond, and work with the Maliseet Indians in Houlton, Maine. Gary Marquis, still another volunteer, works at the Caribou Parks and Recreation Department. His responsibilities entail the formation and maintenance of trails being developed in the region. Lastly, to the Fish River Water Quality Lakes Association came Raymonde "Nicky" Violette in the position of Lakes Coordinator. The Lakes Coordinator's duties entailed water quality information and education in the Fish River Chain of Lakes through newsletters, classroom activities and an Annual Tour.



The AmeriCorps program is a testing ground; it provides the opportunity for creative, innovative thinking and action, while at the same time demanding a high level of organization, focus, and personal commitment. The positions offered are "real" jobs—there is responsibility attached to them, and a demand for superior work performance. It is possible to fail, as well as succeed, in AmeriCorps these are not simple, short-term internships which buffer the participant from the reality of the work world. This is why I've chosen to apply for a second term and also why I hesitated before I did so. I've found that being an AmeriCorps participant isn't easy, or always fun; however, no other position I've held has taught me so much about myself and about the world in which I live in so short and intense a time period. I hope another year with the program will serve to further broaden my skill base, as well as increase the creativity and initiative which I try to bring to my work. Amanda Smith Hatch, AmeriCorps Participant - September 1995

**TECHNICAL ASSISTANCE
AMERICORPS**
(continued)



On June 30, 1995, Joel Berg (left), Director, USDA AmeriCorps Program, visited the St. John Aroostook RC&D Area to view first hand progress being made.



Congressional District Representatives, sponsors, and St. John Aroostook RC&D, Steering Committee members met with Joel Berg, Director, USDA AmeriCorps Program.

TECHNICAL ASSISTANCE
AMERICORPS
(continued)

Joel Berg, (left), Director, USDA AmeriCorps Program, is interviewed by Sue Bernard, Reporter, WAGM TV.



Joel Berg, (left), Director, USDA AmeriCorps Program, meets with Caribou Municipal Officials to hear first hand of the progress participants are making on the Area's multi-use trail.

TECHNICAL ASSISTANCE
AMERICORPS
(continued)



AmeriCorps participants receive training on canoe and water survival skills on May 26, 1995.



**TECHNICAL ASSISTANCE
AMERICORPS**
(continued)



AmeriCorps participants (left to right), Raymonde "Nicky" Violette, Amanda Smith-Hatch, Denise Perry and Gary Marquis, address Area Rotaries to bring local business persons up-to-date concerning the economic importance of their projects to the Area's economy.

**TECHNICAL ASSISTANCE
AMERICORPS**
(continued)



AmeriCorps training held at Sunday River, Maine on October 29, 1995.



TECHNICAL ASSISTANCE RAILS AND TRAILS



The St. John Aroostook RC&D working through the USDA-Natural Resources Conservation Service, AmeriCorps Program, with the Caribou Parks and Recreation Department as sponsor, obtained an AmeriCorps Trails Coordinator. Gary Marquis (above), Trails Coordinator, discusses the development of abandoned railroad tracks around Caribou. Seventy-one and a half miles of trails on abandoned Bangor and Aroostook Railroad tracks are under development. Numerous local, state and federal agencies have contributed resources that total more than \$1,218,617.



Abandoned rail bed on the Aroostook Valley Railroad.

**TECHNICAL ASSISTANCE
RAILS AND TRAILS**
(continued)



Kathy Mazzuchelli (above-standing), Recreation Director, Caribou Parks and Recreation Department and Steering Committee member, took the leadership role after the conference to establish the Northern Maine Trails Association (below), which is now incorporated and a nonprofit. This organization works with the Northern Maine Development Corporation, RC&D and local communities to plan future trail systems.



**TECHNICAL ASSISTANCE
RAILS AND TRAILS**
(continued)



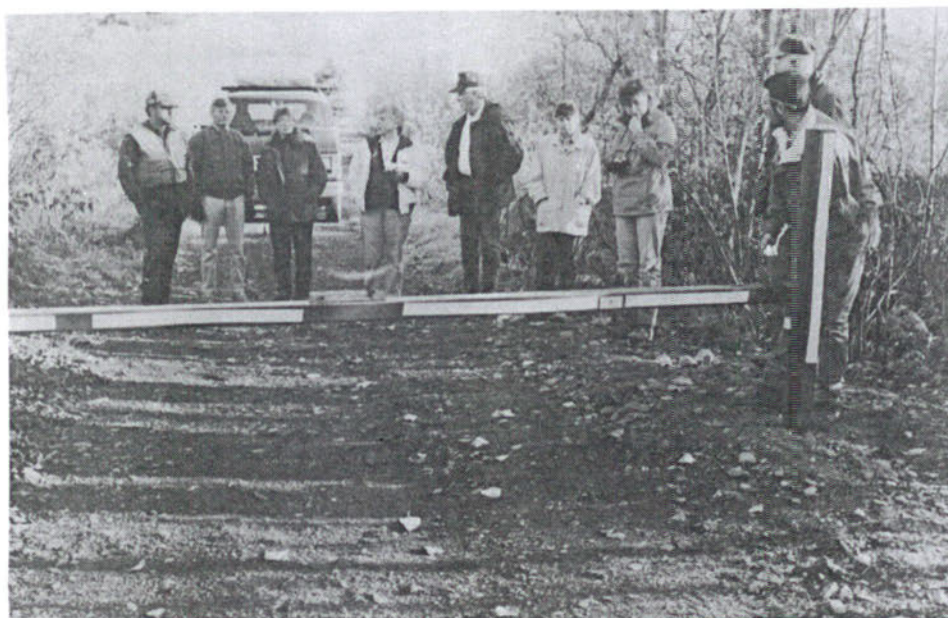
A bridge (above) and visitor's information display (below) under construction on the Aroostook Valley trail.



TECHNICAL ASSISTANCE
RAILS AND TRAILS
(continued)



Kathy Mazzuchelli (back to), Recreation Director, Caribou Parks and Recreation Department and Steering Committee member, conducts a fall tour for interested officials on the Aroostook Valley trail. A gate system (above and below) is being constructed to control access at all entry points. Gary Marquis (below-right), Trails Coordinator, Caribou Parks and Recreation Department and AmeriCorps participant, demonstrates how the gate functions.



**TECHNICAL ASSISTANCE
RAILS AND TRAILS**
(continued)



Bridges (above and below) under construction on the Aroostook Valley trail.



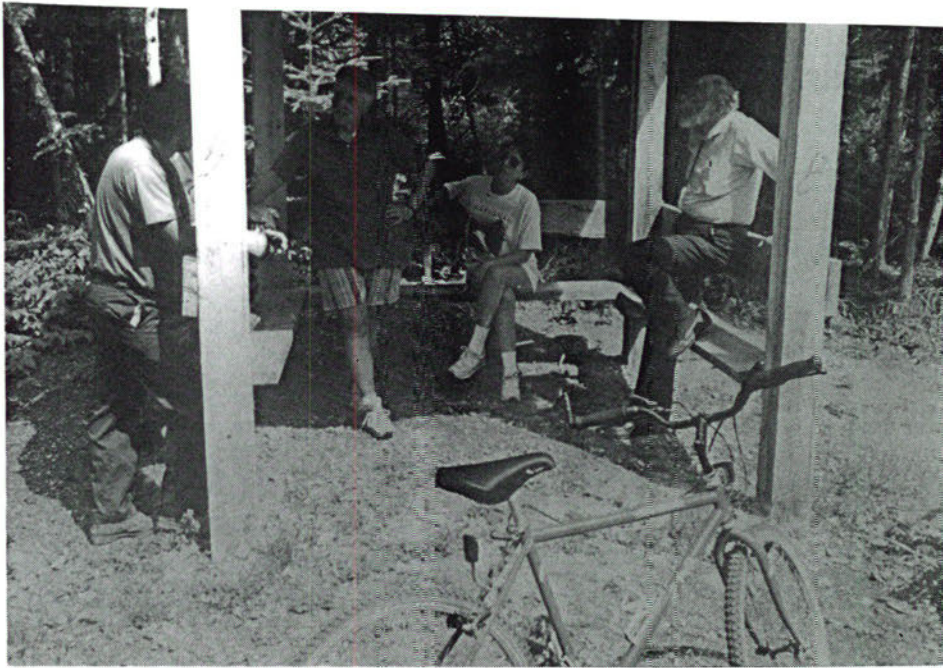
TECHNICAL ASSISTANCE
RAILS AND TRAILS
(continued)



The trails system is maintained (below) year round. During the winter months the trails are groomed (above) for snowmobilers.



TECHNICAL ASSISTANCE
RAILS AND TRAILS
(continued)



Summer bike trekkers on the Aroostook Valley Trail.

Trail right-of-way cleared in the
Summer of 1995.



TECHNICAL ASSISTANCE
SINCLAIR WATER QUALITY IMPROVEMENT PROJECT

By Dave Cyr, Aroostook County Public Works Director and St. John Aroostook RC&D Steering Committee Member

The summer of 1994 saw renewed construction efforts in T17R4. In early June, bids were received and opened to construct the wastewater treatment facility to serve the built-up section of Sinclair and the thoroughfare between Long and Mud Lakes. Ed Pelletier & Sons Construction of Madawaska submitted the combined low bid of \$2,365,000 to construct the wastewater treatment plant and the associated piping and pumping stations required to collect the wastewater from Sinclair and pump it to the treatment plant.

Groundbreaking was held on June 10, 1994 and construction continued until early December at which time, the project was approximately 80% complete. Also during this time period, 8,000 feet of 8" gravity fed sewer line and 1,500 feet of 6" force main pipe were installed to pump wastewater from the village to the treatment plant site. Efforts resumed in June of 1995 and the work was completed in September 1995.

The construction of the treatment plant site involved the construction of two stabilization ponds, each with a capacity of 2.16 million gallons of wastewater, and a storage lagoon capable of storing 14.3 million gallons of treated wastewater and accumulated precipitation. Seven million gallons of water were pumped from Mud Lake in November 1994 to partially fill all three storage areas. Quantities of materials used in the construction of the site included moving 70,000 cubic yards of soil to construct the embankments of the stabilization ponds and storage lagoon. An additional 34,000 cubic yards of till material was installed to construct an impervious liner to prevent leaching of wastewater into the surrounding soils. Silt fences used at the site to prevent runoff during construction totaled 7,600 feet. 12,000 feet of irrigation piping was installed through which treated wastewater was to be sprayed over approximately 28 acres at the site for disposal.

Additional work completed in 1995 extended the area served by the treatment facility beyond McLean Brook to the area of the Long Lake Campground on Route 162, and the area beyond Sinclair Cemetery on Lake Drive to the beginning of Barn Brook Road. The cost for both of these system extensions was \$350,000.

With the completion of the central wastewater treatment system and the proposed system extensions, septage waste from over 150 residences in the Sinclair area will be disposed of at the treatment plant.

Construction of additional subsurface wastewater disposal systems, as constructed in 1992 and 1993 with the Jobs Creation Grant Bond funding, was currently on hold for 1995 due to an inability to secure additional funding for these projects this year. Funding sources for 1996 are being pursued at this time.



Dave Cyr, Aroostook County Public Works Director and Steering Committee member, at the disposal lagoons.

TECHNICAL ASSISTANCE
SINCLAIR WATER QUALITY IMPROVEMENT PROJECT
(continued)

Dave Cyr, Aroostook County Public Works Director and Steering Committee member, inspects a forest irrigation spray attachment. Effluent from disposal lagoons is sprayed into the forests during the Summer months.



One of the more than forty septic disposal fields constructed around Sinclair.

TECHNICAL ASSISTANCE UPPER ST. JOHN RIVER PUBLIC ACCESS

The St. John River from Hamlin to Allagash has six boat/canoe access sites, only three of which are readily accessible to vehicles and provide parking space. With the spur toward eco-tourism development that the Valley region is currently experiencing, the St. John Aroostook RC&D, Atlantic Salmon Association for the Upper St. John, and SALEN, Inc., are taking part in a wide-range project implementation, of which public access site construction plays a major role. The creation of 4-6 additional sites between Hamlin and Allagash will serve a two-fold purpose; first, they will protect the river and its steep, erosion-prone banks from random and detrimental use, by funneling boaters and other river-users into areas specifically created and maintained to deal with human impact; secondly, they will make available to the general public and to tourists the mainstem St. John—a natural resource with a rich historical, environmental and economic significance.

Through intelligent design and construction, additional access sites can become a vital link in overall river development, as well as preserving the St. John's scenic beauty. And, if the Grand Falls fishway becomes a reality, these sites will be crucial to the forecasted increase. With this in mind, the above groups inventoried access sites and produced in results in the form of a report.



Amanda Smith-Hatch, Salmonid Coordinator, SALEN, Inc. and AmeriCorps participant, inventories a site in Fort Kent.

TECHNICAL ASSISTANCE
UPPER ST. JOHN RIVER PUBLIC ACCESS
(continued)



Amanda-Smith-Hatch, Salmonid Coordinator, SALEN Inc. and AmeriCorps participant, views possible public access sites with Philip Levesque, Town Manager, Frenchville. Sites with a high erosion potential (below) will be avoided.



TECHNICAL ASSISTANCE
UPPER ST. JOHN RIVER PUBLIC ACCESS
(continued)



Amanda-Smith-Hatch, Salmonid Coordinator, SALEN Inc. and AmeriCorps participant, and citizens of Grand Isle (below) view access road erosion problems (above) as well vegetated sites (below).



TECHNICAL ASSISTANCE BARN BROOK ROAD EROSION CONTROL

In 1994, the St. John Aroostook RC&D assisted Barn Brook Road residents on Long Lake develop an erosion control plan to control erosion and a flood control plan to protect their access and camp roads. In 1995, the Road Association constructed many of the previously planned practices.



Barn Brook Road on Long Lake after the road is crowned to divert runoff.



Numerous small road diversions divert runoff to vegetated filter strips.

TECHNICAL ASSISTANCE
BARN BROOK ROAD EROSION CONTROL
(continued)



Camp access road (above and below) Barn Brook Road is crowned allowing water to flow into newly constructed vegetated buffer strips.



TECHNICAL ASSISTANCE
BARN BROOK ROAD EROSION CONTROL
(continued)



Vegetated buffer strip and newly constructed grassed waterway divert water from a steep hill on Barn Brook Road.



Newly constructed gravel diversion on Barn Brook Road diverts road runoff to vegetated buffer strips.

TECHNICAL ASSISTANCE DAIGLE POND INVENTORY

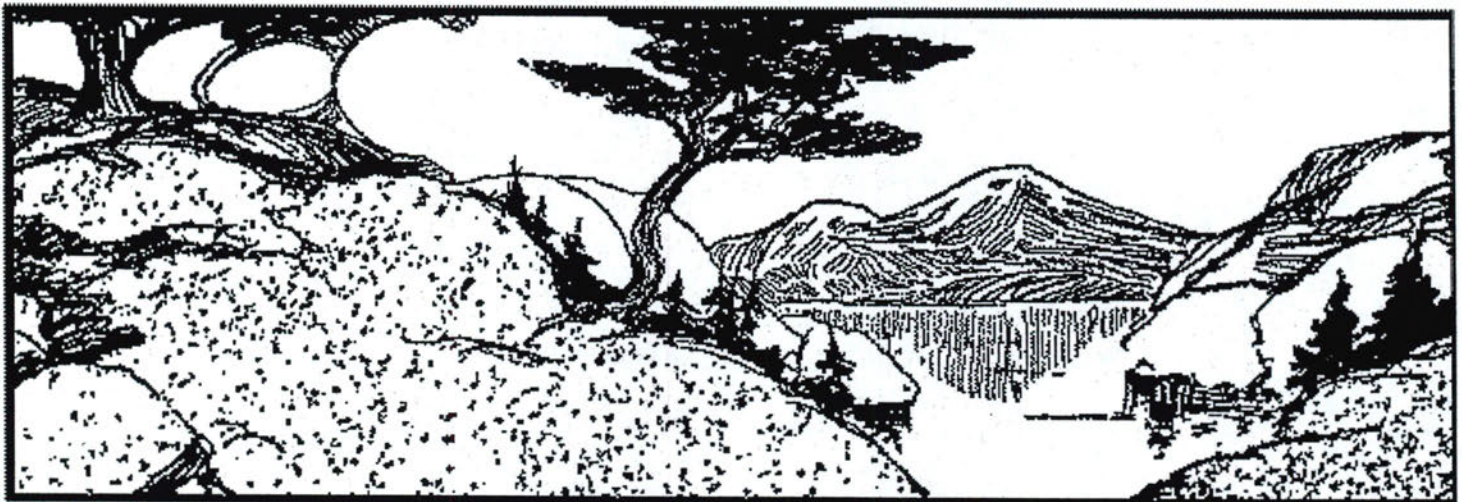


Residents at Daigle Pond contacted Philip Soucy, President, Fish River Lakes Water Quality Association, as they were concerned about the odor and severity of algae blooms. At a meeting in October of 1994, residents voiced their concerns and listened to Kathy Hoppe, Department of Environmental Protection, and Steve Cashman, Natural Resources Conservation Service, both of whom discussed the water quality problems of the pond and explored solutions.

In response to their concerns the Fish River Lakes Water Quality Association, in cooperation with Dr. Eberhard Thiele, University of Maine at Fort Kent, found two environmental studies students who would work to alleviate the problems of water quality.

Todd Collins and Chad Bourgoin, both Fort Kent residents, were the two aspiring volunteers. Collins, who will receive college credit for the service, will be responsible for land and water analysis. This entails doing a watershed survey, water quality monitoring, calculating soil loss equation data and also a written report of his findings. In addition, Bourgoin will help Collins, and will serve as a water monitor on Daigle Pond.

The service became official at a meeting in February 1995 after the Department of Environmental Protection officials recommended analysis of land and water quality in the watershed before implementing a restoration project. Daigle citizens have actively been working on this project to correct water quality problems and the inventory is underway.



**TECHNICAL ASSISTANCE
STREAMBANK EROSION**

Dave Cyr (left, above and below),
Director, Aroostook County Public
Works and Steering Committee
member, and Keith Roble, Engineer,
USDA-Natural Resources Conservation
Service, view streambank erosion
problems prior to developing a plan
to control erosion and improve
water quality.



**TECHNICAL ASSISTANCE
STREAMBANK EROSION**
(continued)



Steep or what? Arthur Faucher, Town Manager, Madawaska, views a streambank that was stabilized utilizing RC&D technical assistance. Such steep banks require efforts and a lot of on-going maintenance. The town of Madawaska has taken the lead in controlling erosion at these sites. This is an outstanding example of erosion control on a very difficult site.



**TECHNICAL ASSISTANCE
MISCELLANEOUS**



Originally conceived as a covered bridge in 1984, this newly constructed concrete and steel bridge spans the Menduxnekeag River in Houlton. Although not a timber bridge, local residents are happy.



Lendall Tarr, Recreation Director, Ashland Parks and Recreation Department, is provided with recreational field assistance by the St. John Aroostook RC&D.