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PROJECT: Upper St. John River Mapping

This project is on-going and will be completed by October of 1995. Amanda Smith, AmeriCorps participant, will be volunteering as an Earth Team volunteer for the St. John-Aroostook RC&D in order to complete the mapping that was begun in June of 1995. Working with the local YCAP organization, salmonid habitat, bank conditions, and river depths are being recorded. A rough estimate of available habitat, as shown through available pools and runs, has been recorded; the goal is a more meaningful collection of data that takes temperature, depth and bank conditions into account.

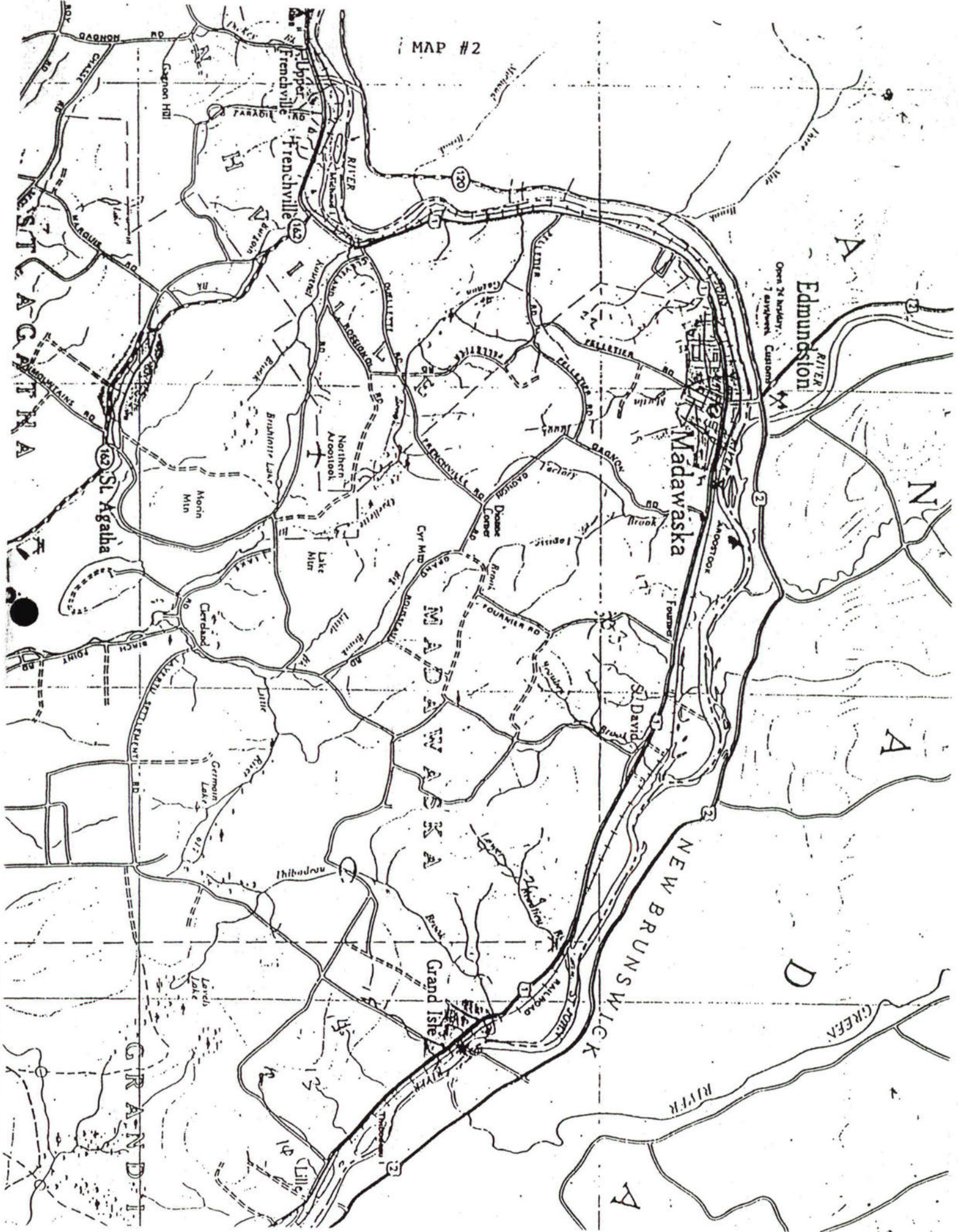
Introduction

As of this writing, the St. John River from Hamlin to Allagash has six access sites, only three of which are readily accessible to vehicles and provide parking space. With the spur towards ecotourism development that the Valley region is currently experiencing, the Atlantic Salmon Association for the Upper St. John and SALLEN, Inc. are taking part in a wide-ranging 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, when the Grand Falls fishway becomes a reality, these sites will be crucial to the forecasted increase in tourism, fishing, and general river use.

This proposal is a process outline, tracking the steps taken throughout the spring and summer of 1995. A project of this magnitude demands the cooperation and input of a number of state and federal agencies, as well as of the towns involved; therefore, the dates of site visits made by Dept. of Inland Fisheries and Wildlife, Dept. of Conservation; and St. John-Aroostook personnel, as well as their comments concerning each site, are included. The information is recorded in a chart format, followed by sketches of each individual site. Also included are all sources used in the research and planning of the site proposal.

While a number of suggested sites seem, at this point, to be infeasible due to bank conditions that demand expensive alteration because of grade and erosion problems, three areas stand out as prime locations for public access: the Dragon Concrete property in Frenchville, the Dept. of Transportation property in Madawaska, and the un-named parcel owned by the town of Grand Isle. These three sites have been included in a county-wide proposal that was presented to Governor King by the Dept. of Conservation.



Town	Site Name Map Number	USDA/NRCS Viewing	Inland Fisheries & Wildlife Viewing	Dept. of Conservation Viewing	Wetlands	Cultural Resources
Allagash	#3					Site of old Allagash hotel
St. John Plantation	#3					Town has to still decide on site
Frenchville	Dragon Concrete #3	5/10/95		6/27/95		Possible Native American site
Madawaska #1	Cross Landing #2	5/10/95		6/27/95		Cross landing site
Madawaska #2	DOT prop. #2	5/10/95		6/27/95	Possible	Possible Native American site
Grand Isle #1	Private land #2	5/10/95				Possible Native American site
Grand Isle #2	Traverse St. boat launch #2	5/10/95		6/27/95		
Lin Buren	Boat launch #1	5/10/95		6/27/95		
Lin	Schoolhouse site #1					Shares site with renovated schoolhouse

Department of Conservation Site Tour, June 27, 1995

Ft. Kent Public Access Site: While this site is already existing, and is well maintained by the town of Ft. Kent, certain improvements could be made. The shoreline access is exposed and unprotected from both ice and weather, and human impact. Also, the wooded area that leads to the shore is under severe impact from automobiles; improvements could be made by designing water entry and exit ramps as well as buffering the shoreline. The slope of the bank is the best of any of the sites.

Frenchville Public Access Site: The property that is being considered for public access still needs to be purchased by the town. A new entry and exit to the property will have to be designed, as well as a left-turning lane in Rt. 1. The path to the site crosses the Bangor-Aroostook Railroad. The property is extensive, and offers plenty of room for boat access, picnic areas and historical interpretation signs. The serious erosion on the north west bank restricts the use of that area, but the bank directly at the end of the path seems to offer good potential. The slope of the bank is steep, but there is good water depth and protection from prevailing winds.

Madawaska Public Access Site, #1: The cross landing site offers plenty of acreage for parking and picnic areas. The slope of the water entry way is good for vehicular traffic. The main problem with this site is the shallow water depth and large number of gravel bars in the immediate vicinity. A channel will have to be dredged in order to allow craft larger than a canoe entry to the mainstem. The Town of Madawaska is interested in extracting gravel from this site; this could be accomplished with boat access in mind.

Madawaska Public Access Site, #2: This site also offers considerable acreage. However, the bank is so steep as to make such a project virtually impossible without considerable alteration. The water depth at point of entry is over 5 feet, which would make this site perfect for larger boats. Site development would be costly, but is possible if the town is willing to go the extra mile.

Grand Isle Public Access Site, #1: This site is already in existence, but is really nothing more than a footpath. The slope and narrowness of the path makes it unsuitable for vehicular traffic, and there is little parking space at the top of the path. Also, the path is badly damaged by run-off. This site is not conducive to development.

Grand Isle Public Access Site, #2: This site is not on Town land and would need to be purchased. It crosses the Bangor-Aroostook Railroad. The bank is low here, and not harmed by ice-caused erosion. There is enough room available to develop convenient entry and exit. A small section seems to support a wetlands area.

Van Buren Public Access Site: This site is already in existence. Vegetative buffers need to be planted along shoreline. An AmeriCorps participant could take on this project, with the help of local schoolchildren, and donations from local environmental agencies.

Overall, Richard Skinner, of the Department of Conservation, saw great potential for the development of river access sites. He also commented on the obvious need for them. The Frenchville, Madawaska, and Grand Isle sites were the ones he chose as top priority; he was also interested in improving the Fort Kent site. Though he wasn't able to visit the Allagash site, or the Hartt Landing in St. Francis, he's interested in visiting those areas on his next visit. He will be using the AmeriCorps volunteer as a contact; I suggest whoever fills my position contact him via phone or letter before winter.

1995 Creel and Recreational Use Survey
of the Upper St. John

*Time period of survey: June 7-August 11

*Area of river surveyed: Big Rapids to Hartt landing, St. Francis

<u>DATE</u>	<u>TYPE OF RIVER USE</u>	<u>#, SPECIES OF FISH CAUGHT</u>	<u># OF PEOPLE IN PARTY</u>	<u>SECTION¹</u>
Wednesday, June 7	Fishing	Nothing caught	1	A
Thursday, June 8	Fishing	1, Brook trout	1	
Friday, June 9	Fishing	Nothing caught	1	A (mouth of Fish R.)
	Canoeing		2	C
Friday, June 16	Fishing	2, suckers	1	A (under Dickey B.)
	Fishing	1, Brook trout	1	B
Tuesday, June 20	Swimming, Canoeing		3 (from Can.)	B (on Gardner Island)
Thursday, June 22	Fishing	3 Brook Trout	1 (at mouth of McClean Brook)	C
Friday, June 23	Swimming Canoeing	3 trout (in Allagash R.) 2 perch (?)	5 5 (from PA.)	A A
Friday, July 7	Canoeing, Fishing		2	B
Wednesday, July 12	Fishing	Minnows for bait	3	A (mouth of Negro Brook)
Thursday, July 13	No one seen on river-----			
Friday, July 14	Canoeing		4	C (off of Grew Island)
Thursday, July 20	Canoeing, Walking on gravel bar		3	C (near Hartt landing)

This survey was carried out between June 7 and August 11, and covered the area between the Dickey Bridge and the Hartt landing in St. Francis. In all, nineteen days were spent both walking the river banks and driving the thirteen-mile stretch of Rt. 161 which borders the river. A total of forty-six individuals were observed using this section of river for recreational purposes during this time period. Of those forty-six, thirteen (28%) were fishing and twenty-six (57%) were canoeing. Ten individuals (22%) were using the river for swimming.

The number of individuals fishing dropped off sharply after the first week of July. As the mean temperature of the river water had, by this time, reached 70°F., it is assumed fish had moved up into tributaries and lakes. Also, due to lack of rainfall, water levels had fallen to an extreme low; this would also serve to drive fish out of the mainstem. Canoeing, however, seemed to provide summer-long recreation. The majority of canoes carried two or more individuals (90%), and, while one group was on the mainstem St. John just to reach a landing point after canoeing the Allagash, the others had canoed the St. John before and had enjoyed it enough to return. Twenty-eight (61%) of the individuals encountered were from the immediate area. Eight (17%) were from Canada, five (11%) were from Pennsylvania, four (9%) were from downstate Maine, and one (2%) was from Massachusetts.

Of the forty-six people observed, twenty-four (52%) were approached and talked to. These included all the fishermen but one, and the swimmers, as well as a few canoeers. All of these twenty-four individuals supported the Grand Falls fishway proposal. Sixteen said they had heard of SALEN, and five (from Pennsylvania) said that the fishway sounded like a good idea but care should be taken not to hurt the river ecosystem.

Introduction

The St. John River would not exist without its surrounding watershed; the brooks that feed the mainstem are as important as the river itself. What happens to them, in terms of erosion, contamination, and habitat degradation, directly affects the health and well-being of the St. John River. With this in mind, the Atlantic Salmon Association for the Upper St. John has created this booklet to inform St. John Valley residents of the extensive network of streams that make up, in part, the St. John River watershed.

From Hamlin, Maine to Allagash, Maine, approximately sixty-five brooks run directly into the St. John River. Some of these are seasonal drainages that dry up by July. Others are fast-flowing, large brooks, ideal as habitat for salmonids and other wildlife, and for recreational use such as fishing and bird watching. This booklet contains data on twenty of these larger brooks, chosen because of their easy accessibility, excellent water quality, and overall size and impact. Information provided includes water chemistry, salmonid habitat availability, ownership of adjacent land, and physical features such as access sites and culvert placement. The Valley, from Hamlin to Allagash, has been broken down into four sections: Section 1 covers the area from Hamlin to Keegan, Section 2, from Keegan to Pelletier Rd. in Madawaska, Section 3, from Pelletier Rd., Madawaska to St. Francis, and Section 4, from St. Francis to Allagash. Streams are listed in terms of distance from Point 0.00, which is the intersection of Rt. 1A and Rt. 218 in Hamlin. In the upper righthand corner of each page, each stream's section number and distance in miles from Point 0.00 is listed. This distance applies only to travel on Routes 1A, 1, and 161, and does not imply that these sites are necessarily the most convenient; better access, water quality, and areas for recreational use can often be found by exploring farther upstream.

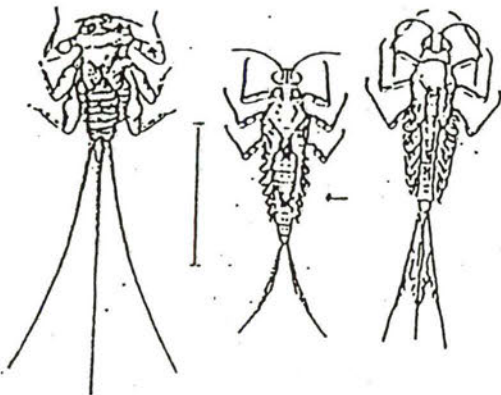
This information was first gathered in order to determine potential sites for streamside incubation boxes. The sites chosen are also mentioned in this booklet, in hopes that community stocking efforts will, in the near future, support the development of a well-managed recreational fishery in the St. John and its tributaries. In the event of spawning Atlantic salmon being allowed passage into the Upper St. John, such local hatching and stocking efforts will be crucial, and will allow Valley residents to develop and maintain a healthy population of sea-run salmon in their river.

For more information concerning streamside incubation of salmonids, or Atlantic salmon in general, please contact your AmeriCorps Salmonid Coordinator at 764-4126. For information on the Atlantic Salmon Association for the Upper St. John, please write to the following address:

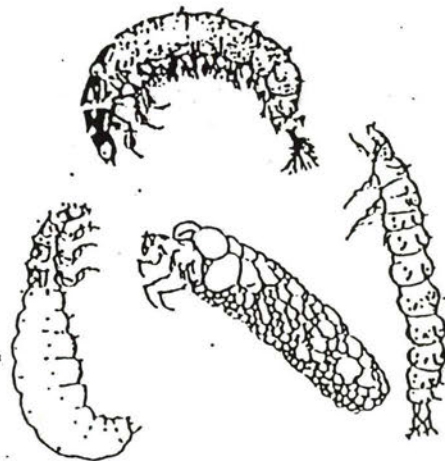
Atlantic Salmon Association for the Upper St. John
P.O. Box 569
Madawaska, Maine 04756

Dissolved oxygen: Water contains oxygen, just as the air we breathe does. And, just as this gas is vital to us land-dwellers, aquatic life also requires a ready supply. In this respect, fast-running, cold streams with a gravel substrate are one of the most oxygen-rich ecosystems. The water is constantly being aerated as it churns over the rocks, and its low temperature allows it to hold higher amounts of oxygen than warmer water would. Valuable species such as trout and salmon demand water with high dissolved oxygen content, whereas "trash" fish such as carp can make do with very low amounts. Each of the streams included in this booklet met, it seemed at first glance, all the requirements for high oxygen content. However, if banks have been stripped of vegetation somewhere upstream, allowing the water to fill with silt and be warmed by the sun, or if there was a stagnant section along a stretch, the water's oxygen could be depleted, though it appeared to be fast-running and cold at the test site. This, in fact, proved to be the case with Thibodeau Brook. Travelling farther upstream, I found a slow-moving swamp where the water was being held back by culverts and beaver activity. The dissolved oxygen test was performed with a Lamotte test kit, donated through AmeriCorps.

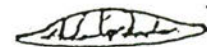
Presence of pollution-sensitive organisms: The benthic life of a stream is a vital indicator of the health of the ecosystem. In fact, biological inventories of benthic, or bottom-dwelling, species are considered the most reliable way to measure the quality of a stream—more reliable even than sophisticated chemical analysis. This is because certain species, namely the larva of the stonefly, caddisfly, and mayfly, are intolerant to pollution. They cannot be found in a contaminated waterway. Other forms of life, such as various species of aquatic worms and snails, are highly tolerant, and make up the bulk of biomass in a polluted stream. Therefore, simply conducting an inventory on a segment of stream will provide a relatively trust-worthy test of water quality. Diagrams of various benthic species are shown below.



Mayfly: Order Ephemeroptera. 1/4" - 1", brown, moving, plate-like or leathery gills on sides of lower body (see arrow), 6 large hooked legs, antennae, 2 or 3 long, hair-like tails. Tails may be webbed together.



Caddisfly: Order Trichoptera. Up to 1", 6 hooked legs on upper third of body, 2 hooks at back end. May be in a stick, rock or leaf case with its head sticking out. May have fluffy gill tufts on lower half.



side



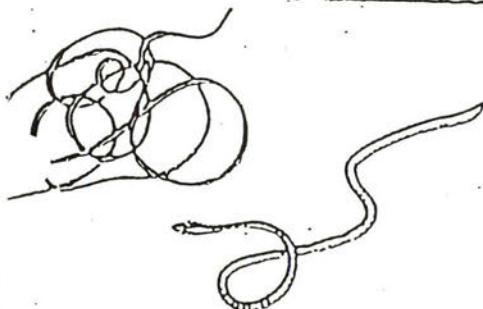
bottom



top

Water Penny: Order Coleoptera. 1/4", flat saucer-shaped body with a raised bump on one side and 6 tiny legs on the other side. Immature beetle.

Pollution sensitive organisms found in good quality water.



Pollution tolerant organisms can be in any quality water.

Aquatic Worm: Class Oligochaeta. 1/4" - 2", can be very slimy, thin worm-like body.



Leech: Order Hirudinea. 1/4" - 2", brown, slimy body, ends with suction pads.

Name	miles (north) from border crossing	comments
*Boney Brook	000.8	good flow, slope, no convenient access
*Martin Brook	001.4	excellent potential access via Rt. 1A
Unnamed #1	003.7	
Unnamed #2	004.6	
Unnamed #3	005.5	#3 & #4. share mouth
Unnamed #4	006.3	
*Hammond Brook	007.9	excellent potential access via Rt. 1A
*Violette Brook via	009.5	excellent potential residential; access Violette St.
Unnamed #5	015.0	road construction
Unnamed #6	017.3	parallels St. J.
Unnamed #7 (Notre Dame)	019.1	residential
Unnamed #8 (La Grande I.)	approx. 019.8	multiple tribs.
Unnamed #9 (La Grande I.)	020.8	nearby farm
Unnamed #10 (Lille)		mouth w/ #11
Unnamed #11 (Lille)		seasonal flow
Unnamed #12	021.9	
Unnamed #13 (Thibodeau I.)	022.4	
Unnamed #14	approx. 023.4	dammed
Unnamed #15	023.7	residential

eroded at mouth

*Audibert Brook	051.1	excellent potential access off of Rt.1
Unnamed #29		residential
Fish River	053.3	no stocking planned
Unnamed #30	054.2	residential
Unnamed #31		
Unnamed #32	055.0	
Camel Brook	056.3	narrow, shallow
Unnamed #33	058.8	brush-filled
Unnamed #34		
Sinclair Brook	061.2	r.r. embankment
Unnamed #35	062.5	dammed pond
*Wheelock Brook	062.6	excellent potential
Factory Brook	063.3	
Kelly Brook	064.5	road, rails meet
*Thibideau Brook	065.3	good flow, slope, narrow
Petite Brook		
Unnamed #36		
Unnamed #37		
Unnamed #38		
Unnamed #39		
McLean Brook		
Unnamed #40		
Wiggins Brook		
Wyles Brook		
Wesley Brook		

Brook:

**Boney Brook
Hamlin, Maine**

Section, Distance:

1-.08

Water Quality:

pH: 8.0

water temp.: April--6 C
May--8.7 C
June--10 C

Substrate: large gravel

Turbidity: clear

Average width: 4-6'

Average depth: 5-10"

Rate of flow: 1.2'/sec.

Dissolved oxygen: 11 ppm

Pollution-sensitive
organisms: present

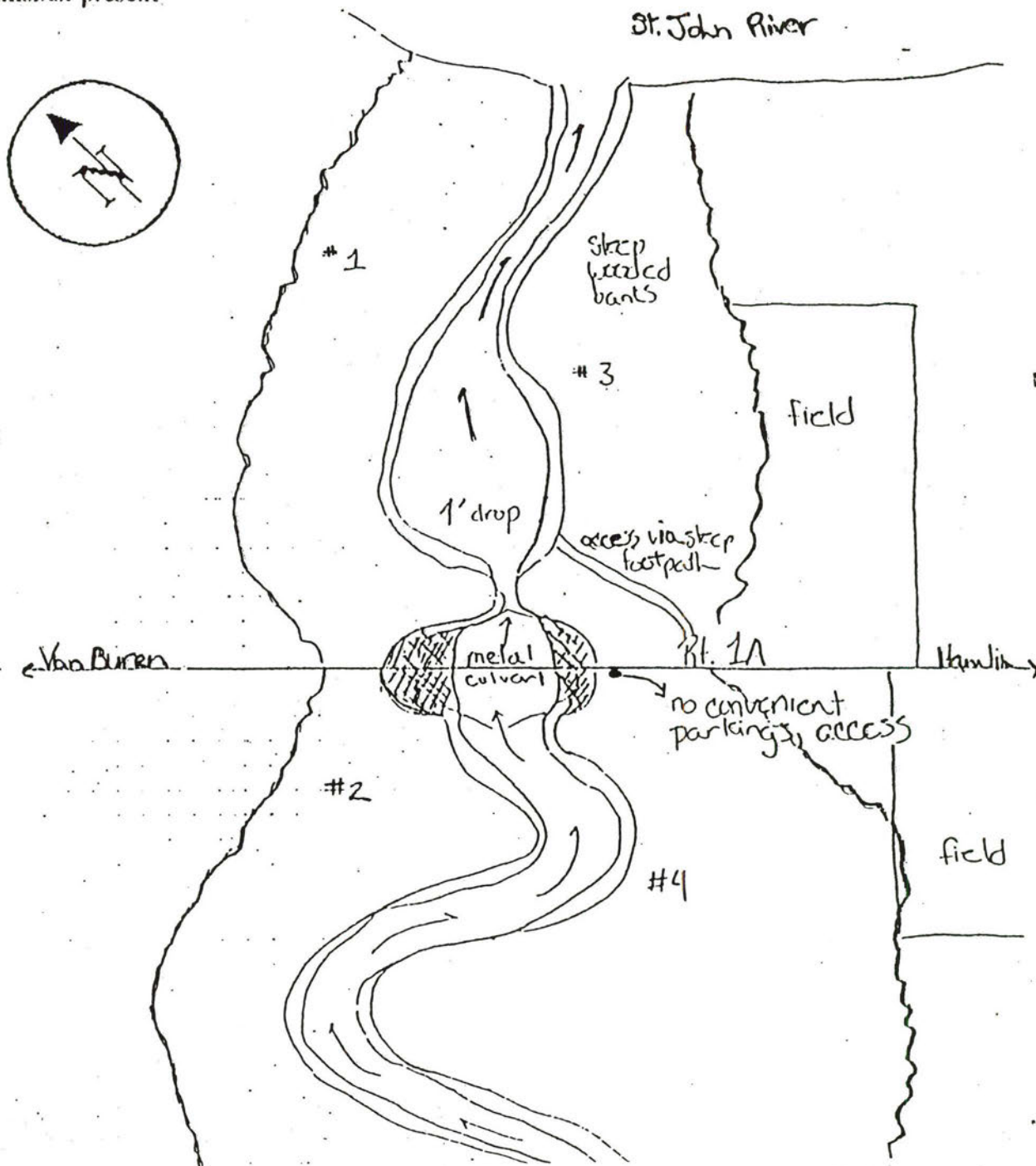
Salmonid Habitat Availability:

Large culvert running under Rt.
1A, 4 ft. drop into splash pool.
Inhibits upstream passage to
all fish.

Some erosion on streambank
upstream, no development.
Good spawning habitat.

Access, Ownership:

Access from Rt. 1A, over
culvert. Very steep banks,
difficult access



Brook:

Section, Distance.

Hammond Brook Hamlin, Maine

1-07.9

Water Quality:

pH: 7.0

water temp.: April-- 6.9 C

May-- 8.7 C

June-- 10 C

Substrate: Medium gravel

Turbidity: Clear

Average width: 8-10'

Average depth: 1.5-2.5'

Rate of flow: 4.2 ft./sec.

Dissolved oxygen content: 10.2 ppm

Pollution-sensitive organisms:

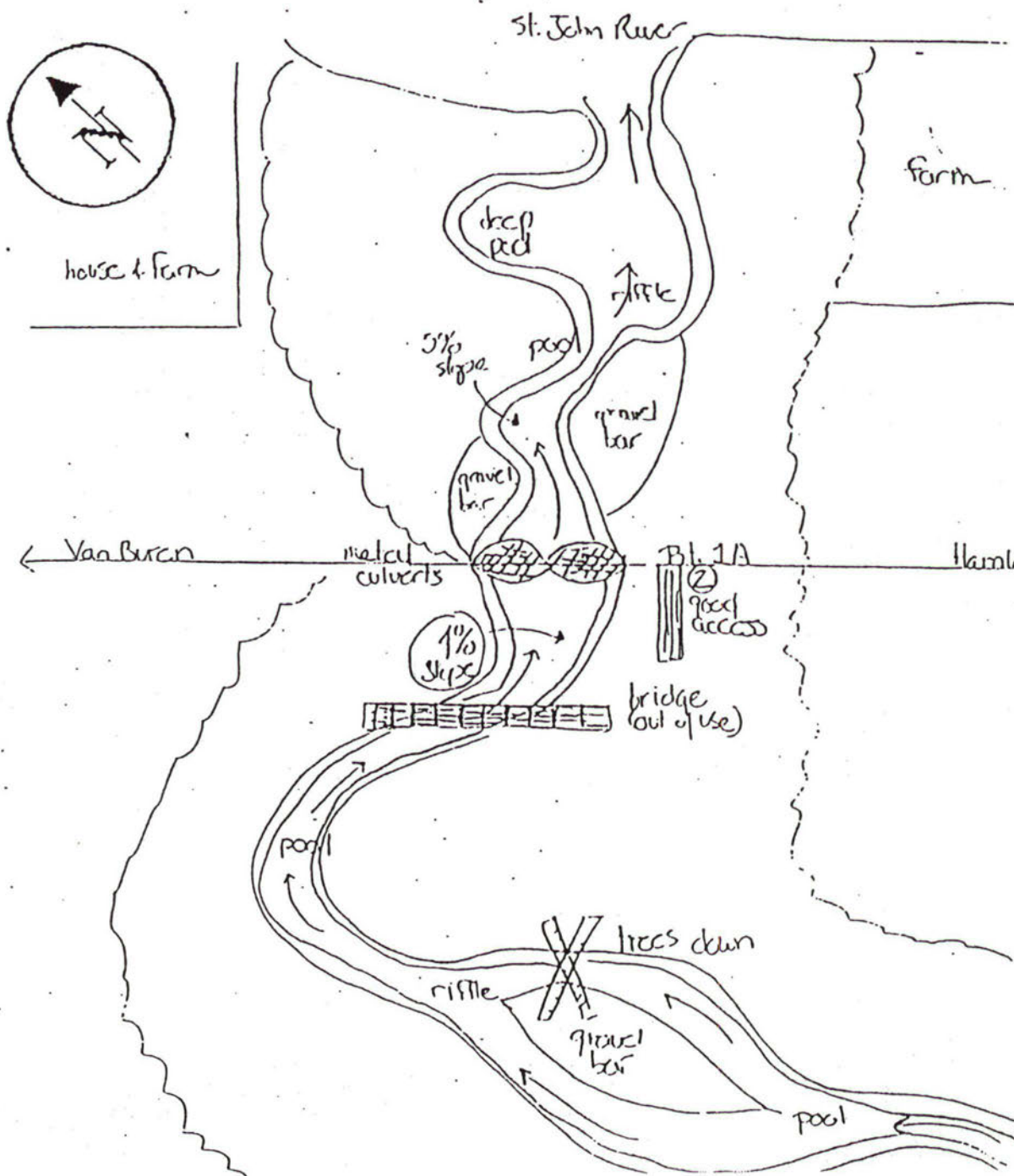
present

Salmonid Habitat Availability:

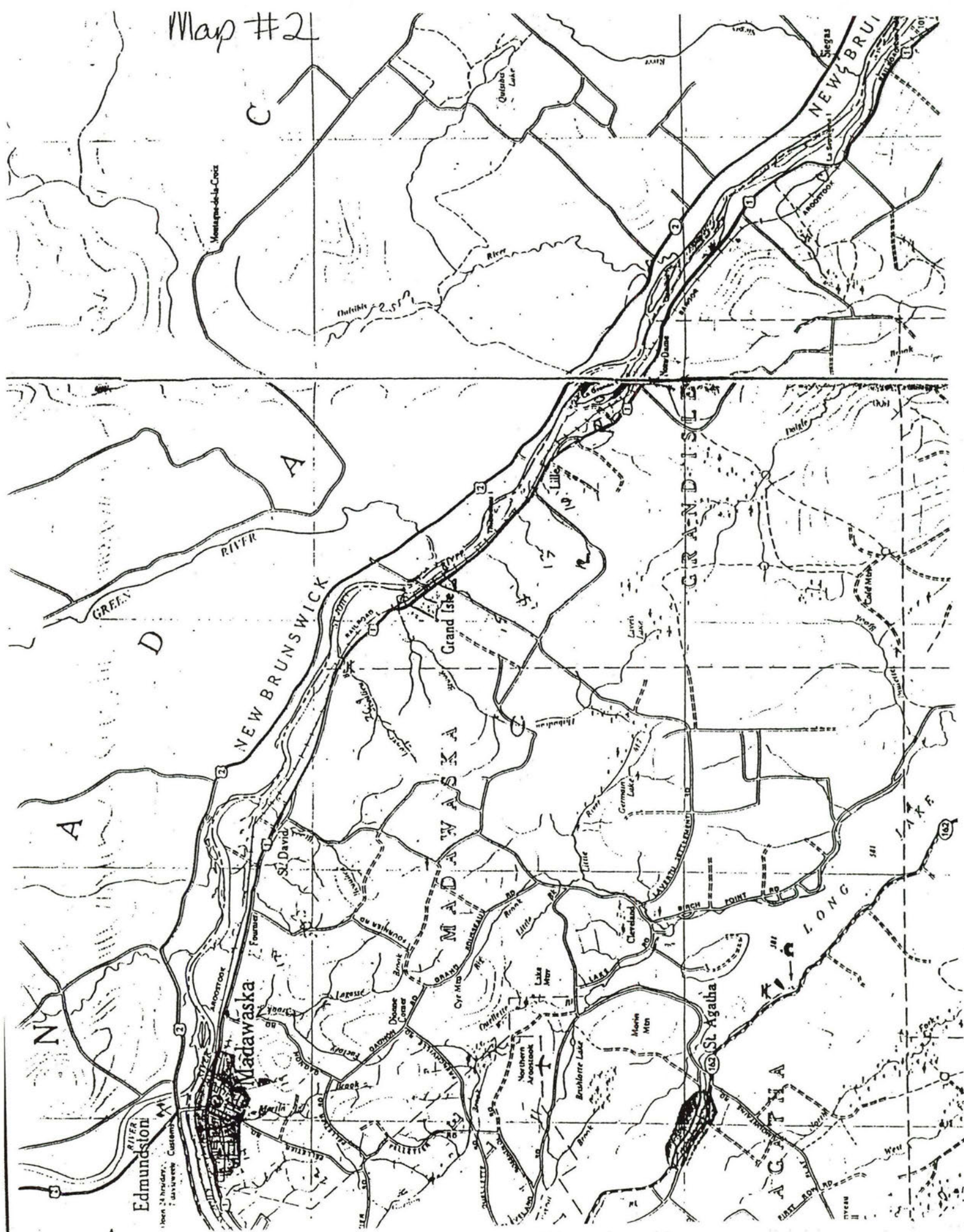
Excellent salmonid habitat;
culverts are flat on creek bed

Access, Ownership:

Good access from Rt. 1A-



Map #2



1994 SINCLAIR WATER QUALITY IMPROVEMENT PROJECT UPDATE

Written by Dave Cyr, Aroostook County
Public Works Director

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 this time, the entire project is approximately 80% complete, with all underground work essentially complete. Also during this time period, 8,000 feet of 8" gravity fed sewer line and 1,500 feet of 6" force main pipe was installed to pump wastewater from the village to the treatment plant site. Efforts will resume in June to complete the work remaining by July, 1995.

The construction of the treatment plant site involved the construction of 2 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 '94 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 totalled 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.

Engineering work is continuing at this time to explore the feasibility of extending the area served by the treatment facility beyond McLean Brook to the area of the Long Lake Campground on Route 162. Another area being looked at is that area beyond the Sinclair cemetery on Lake Drive to the beginning of Barn Brook Road. The cost for both of these system extensions is currently projected at \$350,000. This work could, upon approval, get underway during the summer of '95 and be completed by the end of the construction season.



Nadeau Septic Service
Paul J. Gagnon Prop.

U.S. Rt. 1 P.O. Box 151
Upper Frenchville, ME 04784

Phone 728-7570
543-6462
543-6140

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"Year Round Service"

SPECIAL THANKS....

Special thanks to those campowners, towns (Madawaska, Frenchville, and Van Buren), and other interested groups who have already renewed their membership for the year of 1995. Your continued support is greatly appreciated and allows us to further pursue our efforts of educating the public about water quality.

Special thanks also go to Brian Ross, Graphic Arts Instructor of Presque Isle High School who has been a GREAT help in the production of our quarterly newsletters.

A-TEAM ENTERPRISE Septic Service

Professional Vacuum Tank Truck
"Prompt, Courteous Service" - Serving the St. John Valley

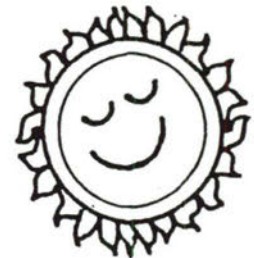
Ronald Toussaint, Prop.
Tel.: 444-5595

Gilles Dalgic, Prop.
Tel.: 444-4640



Sly Brook Road, Eagle Lake

*HAVE A FUN AND SAFE
SUMMER FROM THE
BOARD OF THE
FISH RIVER LAKES WATER
QUALITY ASSOCIATION!*



A LEAF FALLS INTO THE STREAM...

By: Michael J. Caduto

By watching what happens to a leaf falling into a stream, one can see how dynamic a stream really is...

An aspen leaf, a food preferred by many stream insects over other leaves, flutters into the current and lodges in the midst of a clump of other aspen leaves stuck in the crotch of a submerged log. Immediately, the nutrients begin to leach from the leaf and it is colonized by fungus and bacteria. Within one week the leaf weighs less than one fourth of its original weight. But the lightened leaf is now more suitable for insect food, and the bacteria and fungi colonizing the leaf provide proteins and carbohydrates for hungry insects. Blackfly larvae appear, as do some grazing species of mayfly: *Ephemerella* and *Stenonema*. By the end of the fourth week, very few *Baetis* are found here, but great numbers of *Ephemerella* are present. Barely a skeleton of the original leaf exists when the sixth week arrives and *Ephemerella* are the only insects remaining. The leaf has become a part of the living stream community.



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BOATING LAW CHANGES..

*Effective May 1, 1995, children 10 years of age or younger **MUST** wear life jackets at all times in all watercraft.

*Effective May 1, 1995, watercraft less than 16' in length must carry a type I, II, or III (wearable) personal flotation device for each person on board in coastal or tidal waters within U.S. Coast Guard jurisdiction.

*Effective May 1, 1995, watercraft less than 16' in length (including canoes, & kayaks regardless of length), must carry a type I, II, or III (wearable) PFD for each person on all inland Maine waters.

*Watercraft 16' or longer must still carry a type I, II, or III for each person on board **PLUS** one type IV (throwable).

YOUR ACTIONS AFFECT THE LAKES!

Boating activities can threaten the health of our lakes unless boat operators understand the effects of their actions. As the size of boats and motors has increased along with the frequency of boating on our lakes, boating-related problems have also increased.

DO make sure your boat's engine runs efficiently and that it complements your boat. (Don't buy a motor too large for the boat.)

DO use lead free gas and the correct gasoline/oil mixture.

DO avoid oil spills when using petroleum products around water. Even in minute quantities the oil can be toxic to aquatic life.

DO dispose of used motor boat oil as you would regular motor oil; recycle it at a collection service station.

DO limit your use of motorized craft by using rowboats, canoes, and sailboats whenever possible. This allows you to truly enjoy the lake's beauty without disturbing its serene nature or wildlife habitats.

DO use your boat's holding tank to store sewage and waste water until it can be pumped out at an appropriate facility. The law prohibits operation of a watercraft with plumbing facilities unless waste is piped into a holding tank.

DO use phosphate free soaps when washing your boat. Avoid using products with warning labels; they can kill or contaminate aquatic life if washed overboard.



Type I



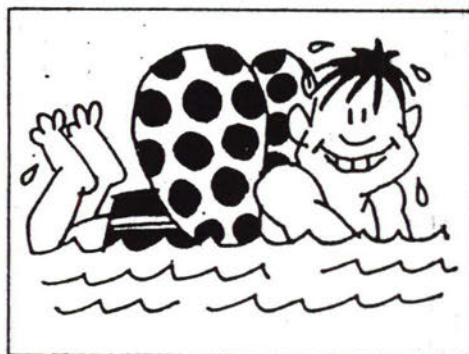
Type II



Type III



Type IV
Throwable



DO clean your boat's hull, propeller and trailer if you're using it in different bodies of water. This removes plant fragments and avoids carrying non-native plants from one body of water to another.

DON'T operate motorized watercraft in shallow waters. Boat propellers churn up lake bottom vegetation and sediments.

DON'T operate watercraft at greater than headway speed (except when hauling water-skiers or actively fishing) when within 200 feet of any shoreline. It's the law. Obey it and shore wave erosion will be reduced.

ARE THESE BUGS MISSING FROM A STREAM NEAR YOU?

The following bugs are known to be **Intolerant** to pollution. Thus, if they don't appear in local streams, it could be indicative of a pollution problem!



Stonefly



Mayfly



side



bottom



top

Water Penny

SUMMER'S ITCH

Many bathers complain of an itchy rash that appears after they had gone swimming. This rash, commonly known as swimmer's itch, is the reaction of your body after being penetrated by the tiny larvae of a freshwater organism called *Schistosoma*. As human beings repeatedly come in contact with water, swimmer's itch is likely to become a nuisance. During years with warm weather the conditions for these organisms to thrive and reproduce are met. Larvae also tend to congregate in areas of shallow, warm water where most people swim. These larvae penetrate the skin and cause a prickly sensation. Shortly after, an itchy rash will appear. Sometimes, considerable swelling can accompany these symptoms. In most cases, the condition will subside in about one week.

To help prevent swimmer's itch, liberally apply suntan oil or baby oil before entering the water. This makes the skin slippery and discourages the attachment of the fluke. Also, once the swimmer's itch is detected in one area, try another area. Swimmer's itch can be very localized and the other side of the cove or beach may not be infected. Outbreaks of swimmer's itch usually occurs for a two week period in late July. For more information about swimmer's itch you should contact your family doctor.



A GREAT WAY TO LEARN ABOUT THE ENVIRONMENT..

There is much to learn about our natural surroundings, especially about pond, stream, or lake habitats. One doesn't need expensive equipment or a college degree to explore the outdoors, the only tool necessary is a healthy sense of curiosity. A book I highly recommend to help in such an adventure is called "Pond and Brook: A Guide To Nature In Freshwater Environments" by Michael J. Cadogan (Published by Prentice Hall in 1985). This book takes you through lakes, ponds, and streams and describes their formation, living organisms, (insects and microbial life) and also gives activities for exploring the outdoors.

Shoreland Zoning...

land zoning ordinances. Those new guidelines extended the buffer strip in areas adjacent to great ponds to 100 feet, eliminated the allowance for a thirty foot cleared opening to the water and set limitations on all vegetative removal, not just larger trees.

The more restrictive standards are designed to reduce the amount of surface water runoff from directly entering waterbodies. The removal of trees over four inches in diameter at 4 1/2 feet above the ground is limited to no more than 40% of the existing volume of trees in a ten year period. In addition, the removal of trees over 2 inches in diameter at 4 1/2 feet above ground level are regulated according to a formula which is designed to ensure that an adequate density of both large and smaller diameter trees are maintained. Through those clearing limitations a canopy is present to break the fall of precipitation and to maintain a forest floor of leaf litter to absorb runoff and slow its horizontal movement. Larger trees are also available to remove significant amounts of water from the near-surface.

Adjacent to great ponds, the Department's new buffer strip standards also require vegetation less than three feet in height to be maintained, except for the allowance of a winding footpath no more than six feet in width. The shrub and herbaceous layer further breaks the fall of precipitation and its root systems do an excellent job in holding soils in place.

By maintaining the natural physical features of the buffer area, the natural organic duff layer is maintained. This duff layer serves as a sponge to absorb and hold larger amounts of water. In addition, the forest's natural surface depressions are maintained so that surface water will be puddled and penetrate the ground slowly, rather than flowing directly across the surface as occurs on smooth lawn areas.

The new standards, if adhered to, do not permit the removal of the herbaceous litter referred to above. Nor is one permitted to fill the natural depressions within the buffer area, except if necessary for the creation of the above referenced footpath to the water. If the vegetative buffer strip concept is to be effective in protecting water quality, all of its components must be incorporated as a system. Maintaining larger vegetation while eliminating lesser plants and filling all of the natural surface depressions, does little more to protect water quality than does a lawn with its smooth flat surface. Both provide unabated overland flow of stormwater runoff, with its supply of phosphorus, to surface waters.

This article was written by Richard Baker of Maine DEP and appeared in the Publication titled Nonpoint Source Times.

THE BOARD OF DIRECTORS NEEDS YOU!

The Fish River Lakes Water Quality Association Board of Directors consists of between 9-16 members. Any member of the Association (having paid dues of \$25) is eligible to be elected to the board. The board is especially interested in seeking representation from the Fish, Portage, St. Froid, Eagle, and Square Lakes, and could use more representation from Long, Mud, and Cross Lakes. If you are interested contact Philip Soucy, President, 112 West Main Street, Fort Kent, ME 04743 or 834-3777.

NEW WATER QUALITY MONITORS!

Many thanks to the following new volunteers who will dedicate their time and efforts to monitor the Fish River Chain of Lakes:

John Kaleta, Fort Kent, for Eagle Lake
Todd Collins, Fort Kent, for Daigle Pond
Chad Bourgoin, Fort Kent, for Daigle Pond, Square and Cross Lake
Arnold Scott, Presque Isle, for Square and Cross Lake
Tom Daigle, Madawaska, St. John River

REMINDER TO ALL WATER QUALITY MONITORS!

There will be a water quality monitoring training session on Saturday, May 20th, which will be presented by Roy Bouchard of the Department of Environmental Protection. The approximate time and location for the session will be announced at a later date. If you are unable to attend or have any questions, please call Nicky Violette at 764-4126 or write at PO Box 745, Presque Isle ME 04769.



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

St John
Aroostook
R C & D

P.O. Box 745
Presque Isle, Maine 04769
(207) 764-4126



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US POSTAGE	_____
PAID	_____
Form No. 63	_____

THE QUALITY OF MAINE WATERS

The designated uses under Maine State law and Federal regulations are: fish consumption, aquatic life support, swimming, secondary contact, drinking water supply, and agriculture. Maine State law also sets forth additional designated uses: industrial process and cooling water, hydroelectric power generation, navigation, and, only for lakes and ponds, trophic stability.

- * **Rivers and streams:** The total length of rivers, streams and brooks in the State of Maine is estimated as 31,672 miles. Designated uses are fully supported in 98.7% of the total length of Maine Streams, Partially supported in 0.1% and not supported in 1.2%. The old "fishable" and "swimmable" goals of the Clean Water Act are fully supported in 98.8% and 99.1% respectively, of the length of Maine rivers and streams. The uses not fully supported are Fish consumption-0.7%, Aquatic Life Support-0.5%, Swimming and Secondary Contact-0.3%.
- * **Lakes and ponds:** The total area of "significant" Maine Lakes and Ponds is estimated as 958,886 acres. Of this area, 70.3% of Maine Lakes fully support designated uses, 5.3% fully support those uses but are threatened and 24.4% partially support the uses. There are no Maine lakes assessed as not supporting designated uses. GPA classification requirements established by State law are met in 75.6% of the total acreage of Maine Lakes. The uses not fully supported are: Aquatic Life Support-18.6%, Swimming-5.4%, and Trophic Stability-0.9%.
- * **Groundwater:** No estimate exists for the percentage of groundwater not attaining its designated uses. Costs, technical requirements, and Maine's complex hydrogeologic setting make statewide assessments difficult to obtain.
- * According to the US Fish & Wildlife Service, Maine is estimated to have lost about 20% of its wetlands since colonial times. New regulations have been adopted to better protect wetlands. A system to track wetlands losses has been developed and is in the beginning stages of implementation.
- * The greatest threat to Maine ground water is leaking underground storage tanks. Maine requires that all underground tanks be registered, and those tanks not sufficiently protective be removed according to a set schedule.

The following are water bodies in No. Maine not meeting state water quality standards even after implementation of tech-based controls for both point-source and non-point source pollution.

	<u>Class</u>	<u>Town</u>	<u>Size (mi.)</u>	<u>Priority</u>
Dickey Brook	B	St. Agatha	12.0	
Daigle Brook	B	St. Agatha	7.0	
N. Br. Presque Isle Stream	B	Mapleton	5.0	X
Presque Isle Stream	B	Presque Isle	1.0	
Everett Brook	B	Fort Fairfield	4.0	
Little Madawaska River	B	Caribou	4.0	
Meduxnekeag River	C	TA R7 WELS	6.0	X

The following are water quality limited lakes in No. Maine:

	<u>Town</u>	<u>Acres</u>	<u>TMDL Reason</u>
Long Lake	T17 R04 WELS	6000	Blooms
Daigle Pond	New Canada	36	Blooms
Black Lake	Fort Kent	51	Blooms
Cross Lake	T17 R05 WELS	2515	Blooms
Square Lake	T16 R05 WELS	8150	Blooms
Arnold Brook Lake	Presque Isle	395	Other
Echo Lake	Presque Isle	90	Blooms
Hanson Brook Lake	Mapleton	118	Blooms
Fischer Lake	Fort Fairfield	10	Blooms
Monson Pond	Fort Fairfield	160	Blooms
Madawaska Lake	T16 R04 WELS	1526	Blooms
Trafton Lake	Limestone	85	Blooms

This information was excerpted from the "State of Maine 1994 Water Quality Assessment" which was prepared by the Maine Department of Environmental Protection Bureau of Land and Water Quality.



Plan 1: Full Sun, Level Site

In this plan we assume the lawn area is retained and is allowed to grow fairly high to help protect the lake. A buffer is located between the lawn area and the lake with a modest footpath through it.

Leave lake edge to grow naturally. Small shrubs & groundcovers may be added.

Small shrubs & groundcovers edge winding path of grass, mulch, stone, or flagstones.

Evergreens frame views and provide background for shrubs and small trees.

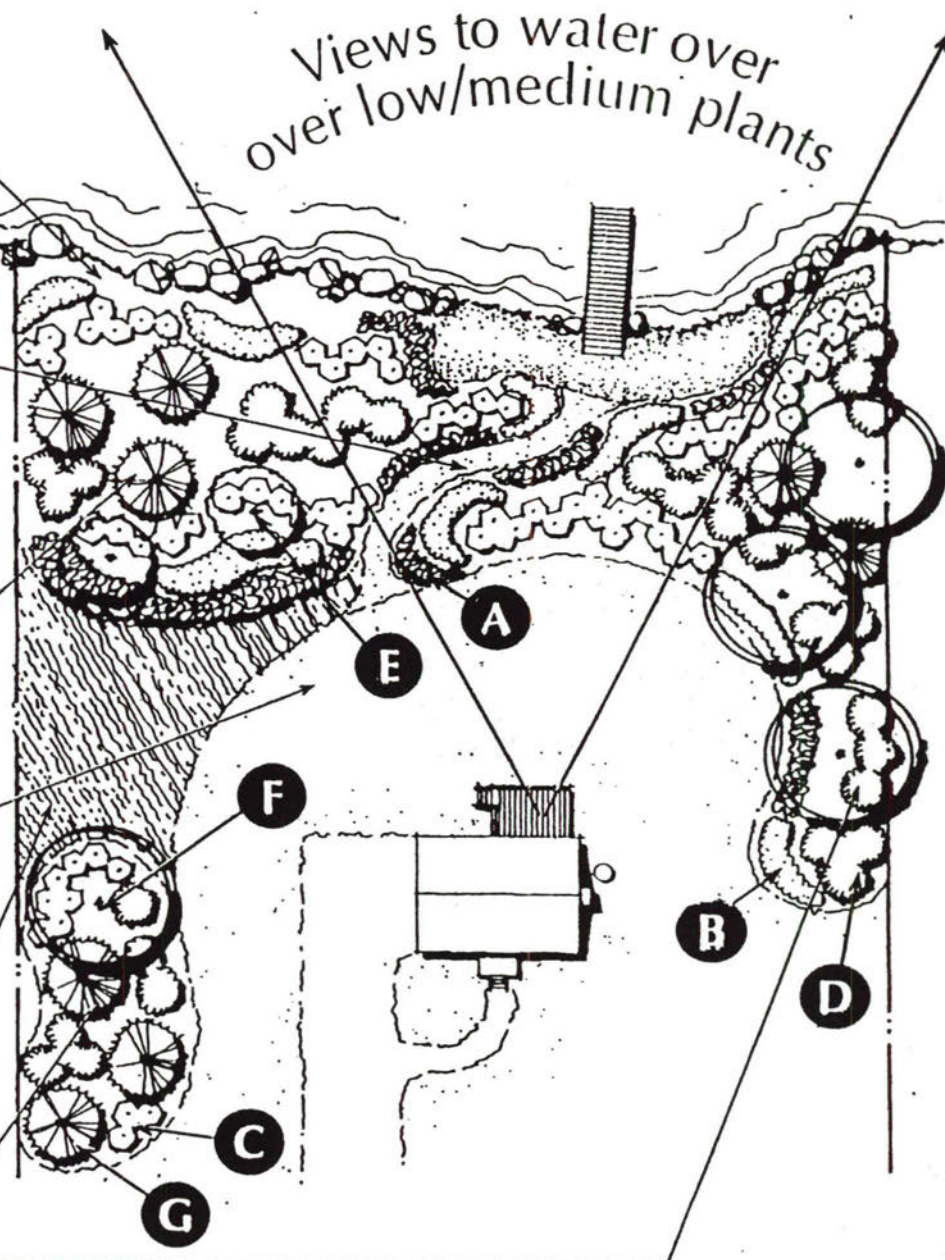
Minimize mowed lawn area. Keep it cut high.

Open areas can be allowed to grow with the possible addition of wildflowers.

Plants for screening

Plants for shade and privacy

Views to water over
over low/medium plants



Legend For Plantings

A GROUNDCOVERS

B SMALL SHRUBS

C MEDIUM SHRUBS

D LARGE SHRUBS

E SMALL/MEDIUM TREES

F LARGE TREES

G EVERGREEN TREES

CAMPOWNERS, YOU MAY BE INTERESTED...

Are you concerned about the quality of water on the lake/pond you reside on? Are you willing to make a change to improve the environment?

A local engineer has displayed an interest in taking the time to evaluate campowner property to see whether improvements can be made (driveway, lawn, beach, etc..) to preserve the beauty of our natural resources.

This offer is not for regulation purposes. Meaning, we will not force you to make changes, nor fine you for breach of regulations. In addition, because of limited time, the lake with most interest will take precedence over others. Thus, if you, a neighbor, or a friend are interested, call Nicky Violette at (207) 764-4126 or write for more information at PO Box 745, Presque Isle ME 04769.

OPPORTUNITIES FOR STUDENTS AND TEACHERS

Natural Resources Institute: Teachers can learn how to implement environmental education into their science curriculum. Also open to youth leaders. Will take place at the University of ME at Farmington in August of 1995. Most participants are provided with sponsorships which cover all expenses.

Maine Conservation School: Located at Bryant Pond, this program will run for two weeks and is open to students ages 10-14. The event will highlight aquatic studies and lake lessons from canoes. The cost is \$175 and there is some chance for sponsorship. If you would like more information on either opportunity, call Nicky Violette at 764-4126, or write at PO Box 745, Presque Isle ME 04769.

CANOE TRIP



The FRLWQA is still in the process of trying to plan a canoe trip to be held in June. The trip would run from Eagle Lake along the Fish River. It will be a great opportunity to learn about water quality and to have fun at the same time. We need to know how many people will be interested before making final arrangements. Call Nicky Violette for more information at 764-4126 or write at PO Box 745 Presque Isle, ME 04769.

LAKES LIKE LESS LAWN!

(Or Environmental Landscaping for Water Quality)

The following information has been excerpted (with permission) from the Sebago Lake Watershed News Vol. 5, No. 3 July-August 1994.



If you live or summer on one of Maine's lakes, you may be surprised to discover that traditional landscaping ideas have no place there. Manicured lawns extending to the waters edge, along with the fertilizer and pesticide applications required to maintain them, can have serious negative impacts on lake water quality.

More surprising still--it turns out that you don't have to live at the water's edge to impact water quality. Homes and camps that are many feet back from a lake can drain chemicals downslope.

Negative impacts from both shoreline and uphill residences can be minimized with a landscaping plan that places less emphasis on lawns and incorporates a variety of plants adapted to conditions near the water's edge. Lawns can be redesigned to allow a buffer zone along the lake. Careful landscape design can actually increase the value of your property as well as keep the lake water you enjoy clear and clean.

Here are some suggestions for getting started:

LANDSCAPING FOR ESTABLISHED YARDS

STEP 1: RELAX AND STOP MOWING

Stop mowing down to the water. Let the existing grass grow long--it will help filter pollutants from rainwater while you're working on your other plantings. The grasses will grow 12-24 inches tall before going to seed. Carefully preserve any and all existing natural vegetation at the edge of the lake.

STEP 2: UNDERSTAND YOUR YARD

Before doing any planting, take time to understand the different things that make each yard unique and sketch them out.

SUN: The direction your yard faces and the location of existing trees and buildings determines how much sun or shade there is. On a sunny day, watch what spots stay in the sun, shade or get some of both.

SOILS: Some plant types prefer more moisture than others. These will do better in low spots or nearer the shoreline. Higher spots away from the water will need plants that prefer drier soils. Areas that are bare, worn or eroded, especially on a slope, should be mulched heavily and planted with plants that will quickly spread.

ACTIVITIES: What areas of your yard get used for what purpose? An area for sitting and relaxing may be better for ornamental plantings that give way to native species towards the lake shore. Plants for shade and screening may be used as well. Leave enough open areas for lawn games. Plan for the best way to get down to the water.

STEP 3: GET OUT YOUR SHOVEL

Begin planting ground covers, shrubs and trees into the lawn area near the water's edge. You can work up the soil in small sections at a time, to reduce the danger of causing an erosion problem. Use mulch around the new plantings to reduce competition from the grasses. If you see any areas where bare soil is exposed near the lake, make them your first priority for planting or mulching.

WHAT DO I PLANT?

Choose plants that are naturally adapted to the soil and sunlight conditions along your shoreline. You should also plant a variety of species of different heights including shrubs and trees. A careful selection of plants will give you color and seasonal diversity for your view of the water.

USDA NATURAL RESOURCE CONSERVATION SERVICE MICHIGAN

AMERICORPS QUARTERLY REPORT

Quarter Ending: November, 1994

Membership at the Beg. of
Quarter: 15

Membership at the End
of Quarter: 15

Number of Hours of Service 5000

Type of Service: Marketing Strategy Development, Farm*A*Syst
Assessments

Number of Hours of Training: 960

Type of Training: Technical

Progress Toward Meeting Community Service Objective:

No. of Farm*A*Systs Completed: 20 % of Goal 3

No. of People Planning Changes: N/A % of Goal

No. of People Hearing of Farm*A*Syst: 439,440 % of Goal 25

Other Measures of Progress: Response from farmers in
meetings of farmer organizations has been favorable according to the
AmeriCorps members that have attended those meetings

Primary Accomplishments: Due to major publicity efforts, 1/4 million
people have heard of F*A*S and/or AmeriCorps in Michigan. Technical
training was completed, AmeriCorps members have been well received and are
getting alot of agency support.

Projection for the next Quarter: 200+ Farmstead Assessments will be
completed; marketing efforts will continue.

Primary Challenges: Continue the momentum gained from the initial
media blitz. Begin to establish Groundwater Stewardship Committees in
each watershed.

Training and Technical:

Subject Area	Agency Supplying Expertise
<u>Farm*A*Syst</u>	<u>MSU, NRCS, MDPH, MDA</u>
<u>Soils</u>	<u>NRCS</u>
<u>Orientation</u>	<u>MSUE, NRCS, MACD</u>
<u>Satellite Teleconference</u>	<u>National F*A*S, MSUE</u>

Media Coverage:

TV/Radio	No. Reached	Printed News Items	Circulation
<u>Radio</u>	<u>14,000</u>	<u>50</u>	<u>382,204</u>
		<u>Newsletters- 36</u>	<u>42,575</u>

1. INTRODUCTION AND EXECUTIVE SUMMARY

The first Michigan USDA/AmeriCorps program began in October, 1994 with the swearing-in of fifteen AmeriCorps members. Twelve of the fifteen USDA/AmeriCorps members served in field offices of both the Natural Resources Conservation Service and Michigan State University Extension promoting the Farmstead Assessment System (Farm*A*Syst). Three members were selected as cluster leaders and served in East Lansing (see appendix A).

This was the first year of AmeriCorps, and as with any new program there was much uncertainty. The AmeriCorps members were challenged with the task of proving the value of AmeriCorps to skeptics as well as delivering a quality service to Michigan farm families. The USDA/AmeriCorps members rose to this challenge and superseded all expectations. They provided a valuable service to their host communities and experienced considerable personal growth as a result. Each and every one of the fifteen members considered their year with AmeriCorps an incredible learning experience.

However, the benefits extend far beyond what the AmeriCorps members gained personally. The communities served by the AmeriCorps members are reaping the rewards of the AmeriCorps members diligent efforts. An evaluation was conducted of the USDA/AmeriCorps program and from the responses it is clear that those served in the USDA/AmeriCorps Farm*A*Syst program continue to support ground water protection effort.

This report summarizes the activities of the USDA/AmeriCorps program for the fiscal 1995 year. The total number of Farm*A*Syst completed is 795. Over 318 or 40% of the farmers have made changes or are planning to make changes to correct high risk areas. Over 2.5 million people have heard of the ground water protection program. Ten Ground Water Stewardship Teams have been formed involving 149 people to continue ground water protection. The objectives, accomplishments, and evaluation results are highlighted. The preliminary results of the evaluation are very encouraging. A total of 96% of respondents rated the assistance provided by the

Evaluation Findings:

Forty percent of the farmers that participated in Farm*A*Syst are planning to make changes or have made changes.

Outreach efforts over a population of 3 million plus.

10 Groundwater Stewardship Teams formed at the community level.

Ninety-six percent farmers participating in Farm*A*Syst rated the service received by the AmeriCorps member as good to excellent.

Ninty-five percent of farmers said their experience was valuable.

USDA/AmeriCorps member as good, very good or excellent. An explanation of the cluster concept is included and recommendations are made for future USDA/AmeriCorps programs.

Congressional Report for Michigan's 1995 USDA/AmeriCorps Program

District 1- Bart Stupak (D)

of Farm*A*Systs- 44
of people reached through promotion- 400,000
of limited resource farmers- 25%
of farmers making changes- 50%
Groundwater Stewardship Team- 26 members

District 2- Peter Hoekstra (R)

of Farm*A*Systs- 96
of people reached through promotion- 150,000
of limited resource farmers- 83%

District 3- Vernon Ehlers (R)

of Farm*A*Systs- 82
of people reached through promotion- 100,000
of limited resource farmers- 10%

District 5- James Barcia (D)

of Farm*A*Systs completed- 73
of people reached through promotion- 100,000
Groundwater Stewardship Teams

District 6- Fred Upton (R)

of Farm*A*Systs completed- 50
of people reached through promotion- 250,000

District 7- Nick Smith (R)

of Farm*A*Systs completed- 246
of people reached through promotion- 250,000
2 Groundwater Stewardship Teams formed

District 8- Dick Chrysler (R)

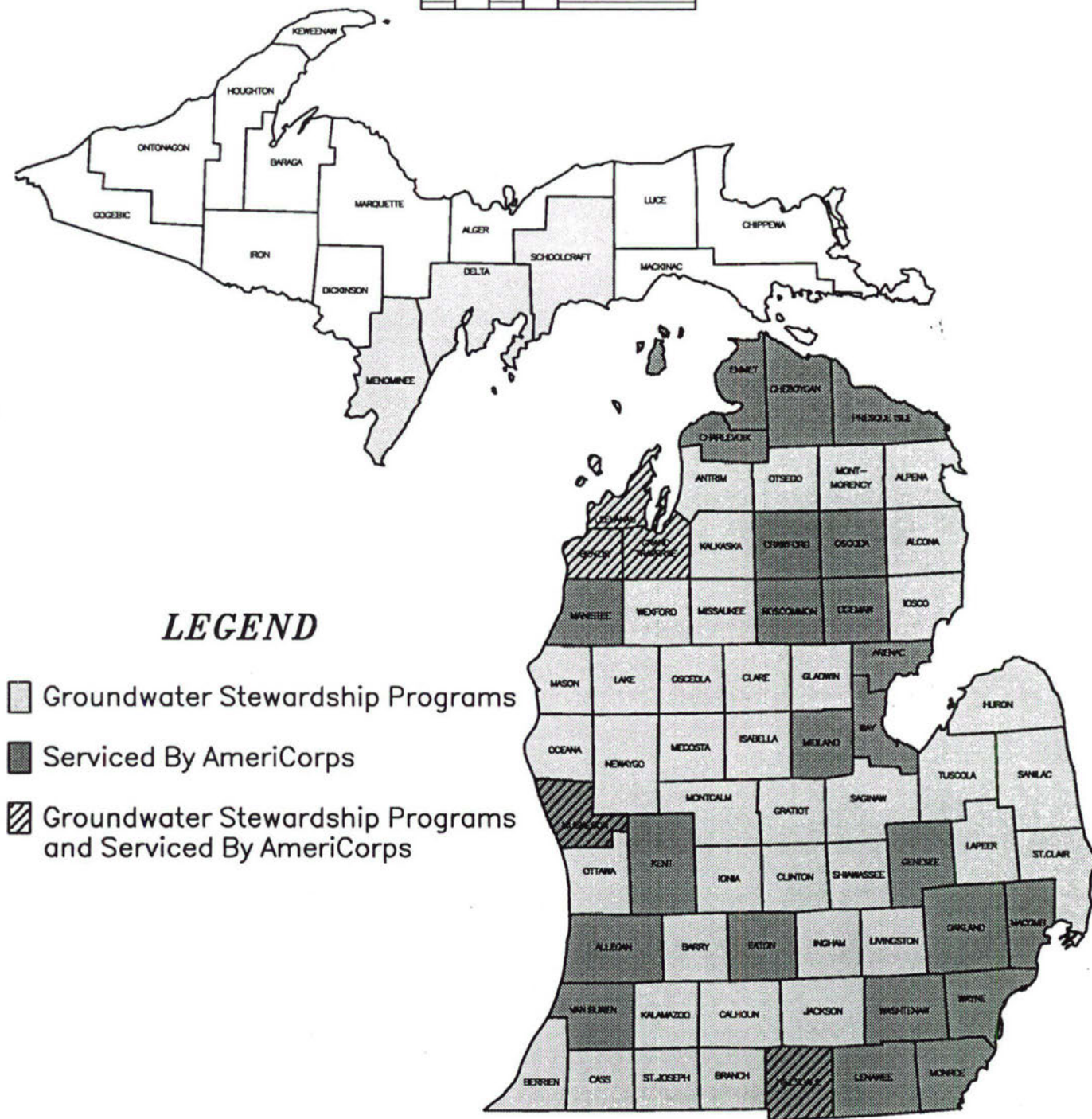
of Farm*A*Systs completed- 158
of people reached through promotion- 250,000
1 Groundwater Stewardship Team

** Districts 9 (Dale Kildee), 10 (David Bonior), 11 (Joe Knollenberg), 12 (Sander Levin), 13 (Lynn Rivers), 14 (John Conyers), 15 (Barbara-Rose Collins) and 16 (John Dingell) did not have USDA/AmeriCorps members located in them but their promotional efforts reached their communities.*

of people reached through promotion- 3,000,000

In fiscal year 1996, USDA/AmeriCorps members are covering some of these districts, including districts 9, 10, 13, and 16.





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AMERICORPS/USDA QUARTERLY REPORT CONSERVATION OUTREACH - TWIN VALLEY, MN

Time Period: December 1, 1994 - March 31, 1995

Actual Launch Date: October 4, 1994

- 1. NUMBER OF MEMBERS ENROLLED AT TIME OF LAUNCH:** 6
- 2. NUMBER OF MEMBERS ENROLLED AT QUARTER END (MARCH 31):** 5
- 3. SECOND QUARTER HOURS OF DIRECT SERVICE:** 3738hrs
TOTAL NUMBER OF HOURS OF DIRECT SERVICE: 5256hrs
- 4. SECOND QUARTER HOURS IN TRAINING:** 243hrs
TOTAL NUMBER OF HOURS IN TRAINING: 570hrs

5. PROGRESS TOWARD MEETING COMMUNITY SERVICE OBJECTIVES:

Utilizing the newly formed partnership between Soil and Water Conservation Districts, Natural Resources Conservation Service, Department of Transportation, county, and landowners/operators several coordination meetings have been held. Details on project funding and minimum requirements for participation were discussed. The plan of action proposal submitted to the partnership during the first quarter was amended and excepted.

As opposed to 90 percent as stated in section 3A of Community Service Objectives 100 percent of landowners along 150 miles of state and local highways deemed priority spots by the Minnesota Department of Transportation were contacted and informed of the benefits of living snowfences.

A commitment to plant 10 miles of living snowfence was acquired from those landowners contacted. This equals 26 percent of total commitment goal for planting agreements as stated in section 4A of Community Service Objectives and exceeds the projected outcomes from the first quarter by 5 miles.

An extensive promotional campaign was implemented by the AmeriCorps Members. The campaign incorporated the design and distribution of Fact Sheets and informational letters to landowners and businesses. In addition to written materials a functional scale model of a living snow fence was constructed and displayed at five area agricultural shows and forums.

AMERICORPS/USDA QUARTERLY REPORT

6. PRIMARY ACCOMPLISHMENTS:

In order to simplify this section of the report sub-sections have been created for of the Goals listed in the Plan of Operations. Primary Accomplishments that correspond to each goal will follow the sub-section. Some overlap may occur but will be noted.

GOAL #1

Two multi-county tillage demonstrations are planned for late summer.

A total of 120 acres of land have been acquired from two area landowners to be used as demonstration sites. the landowners agreed to a rent-free contract for the land use.

Funding for the demonstrations was acquired through the Norman County Water Plan Advisory Committee and from the Earth Perserv Action Grant awarded by the Environmental Alliance for Senior Involvement.

In-kind services have been obtained through area implement dealers and other businesses.

GOAL #2

Refer to Section 5: Progress Toward Meeting Community Service Objectives of this report.

Primary accomplishment for Goal #2 is the successful integration of the Minnesota Department of Transportation with other agencies and individuals to form the current partnership on living snowfences.

GOAL #3

A series of articles was developed for publication in area newspapers discussing soil surveys history, uses and implementations.

Preliminary work was completed in conjunction with the area soil scientist to begin work on a new soil survey for Red Lake County.

GOAL #4

Activities concerning the Plant Material Site were postponed until early summer.

AMERICORPS/USDA QUARTERLY REPORT

GOAL #5

Environmental education presentations were held in five area schools reaching approximately 100 youth. Topics covered included ground water conservation and protection and forestry issues.

Several members are working in conjunction with the West Polk Soil and Water Conservation Service on the development of seven environmental discovery trunks. The discovery trunks will be used by local schools to integrate environmental learning into an outcome based education curriculum. Trunk topics include; Aquatics, Water History, Ground Water Model, Wildlife, Forestry, Papermaking, and General Conservation.

GOAL #6

Refer to Section 11: Other Creative Documentation of this report.

With assistance from eight volunteers from Thief River Falls high school members organized a joint effort with the Department of Natural Resources and the Agassiz Wildlife Refuge for a treelot cleanup project. Selected areas of the refuge were thinned to promote spring vegetation and provide winter habitat for small animals.

Members assisted the SnoDrifters Snowmobile club prepare for the Ironman 250 snowmobile race in Thief River Falls. Members assembled crowd control and safety fencing for the annual event. Additional help was obtained from the Northwestern Sentence to Serve program.

Other:

Refer to Section 11: Other Creative Documentation of this report.

Members have engaged in efforts to positively promote the AmeriCorps program overall. Members incorporated the National AmeriCorps display with local information to create an AmeriCorps National Service Information Center at three area trade shows.

7. PROJECTED OUTCOMES FOR NEXT QUARTER:

During the next quarter we hope to reach 200 youth with environmental education presentations.

Our goal is to have 10 miles of living snowfence planted and an additional five miles of snowfence committed and planned.

AMERICORPS/USDA QUARTERLY REPORT

8. PRIMARY CHALLENGES:

The USDA/AmeriCorps Operations Manual identifies the purpose of AmeriCorps as a way to "get things done" using national service as the vehicle. The manual states that AmeriCorps is a "Grassroots" effort to solve problems facing communities. The manual goes on to point out that AmeriCorps is a "community-based program" that meets local needs using local strategies.

It seems to the members that the more an attempt is made to directly relate their term of service to needs of the community the more roadblocks and red-tape they encounter. The basis of a "grassroots" program is to be free of common bureaucracy. The ideals of grassroots often are not met because of the amount of time spent weaving through the maze of governmental policy.

In addition to the confines of needless bureaucracy, the confusion and misinterpretations of agency and interdepartmental relations often interferes with and hinders the effective completion of community service objectives. Members need to be informed of the proper chain of command before problems arise. What are the roles and functions of each agency representative? How are the duties of State Program Director with USDA related to the State Facilitator? How can the Executive Director of the State Commission be utilized to carry out the service initiatives on a local level?

Questions about the availability of moneys for funding of AmeriCorps projects has caused tension within the cluster infrastructure. The major challenge faced by the members is attempting to make decisions about important service objectives without the benefit of knowledge of budgetary information. Members are currently uninformed as to what, if any, funding is available. This type of basic information should be shared with members at the launch of a new project.

The rejection of suggested community service projects or activities without the accompaniment of explanation causes the stagnation of positive and self motivational attitudes of the members.

Some problems have also arisen with members inability to successfully defer loans.

9. PRIMARY TRAINING AND ASSISTANCE NEEDS:

See attached member training plan.

AMERICORPS/USDA QUARTERLY REPORT

10. MEDIA COVERAGE:

Copies of newspaper media coverage were previously sent in by the state facilitator.

Video tape of broadcast coverage will be enclosed if available. If not available it will be sent separately at a later date.

11. OTHER CREATIVE DOCUMENTATION:

- Item #1 - Flyer for upcoming tillage demonstration.
- Item #2 - Fact Sheet on Living Snowfences.
- Item #3 - Copy of poster designed by member for upcoming soil survey project.
- Item #4 - Pictures of Wildlife Refuge project.
- Item #5 - Picture of AmeriCorps display at area trade show.
- Item #6 - Team Northwest AmeriCorps Brochure.
- Item #7 - "What AmeriCorps Has Meant to Me" Fact Sheet.
- Item #8 - AmeriCorps Fact Sheet



4TH AMERICORPS
QUARTER REPORT
END OF YEAR

SITE INFORMATION

Operating Site name: USDA - NRCS - FLOOD RECOVERY

State: Missouri

Site ID # 94 ADFDC 047

Your Name: ROSS BRAUN

Your Position: Project Director

Telephone number: 314 / 876-0912

Fax number: 314 / 876-0913

e-mail address
(if available) scsmo1!rossb
internet: rossb@scsmo1.mo.nrcs.usda.gov

Date report completed 10/6/95

Reporting Period: 10-2-94 to 9-30-95 (4TH Qtr.
6/24 - 9/30/95)

Program Start-up date: 10/2/94



MEMBER INFORMATION

4th Qtr.

FULL-TIME MEMBER INFORMATION

(One changed to part-time March 1995)

Number of Members authorized for your site:
Environmental Corps Members:
Rural Development Corps Members:

~~12~~ (11)

Number of Members enrolled at end of quarter:
Environmental Corps Members:
Rural Development Corps Members:

10
10

Number of Members at beginning of quarter:
Environmental Corps Members:
Rural Development Corps Members:

10
10

Total Hours of Direct Service for previous Quarter:
Environmental Corps Members:
Rural Development Corps Members:

5,121
5,121

Total Hours of Direct Service for this Quarter:
Environmental Corps Members:
Rural Development Corps Members:

3,111
3,111

Total Hours of Direct Service to Date:
Environmental Corps Members:
Rural Development Corps Members:

16,406
16,406



4th Qtr.

PART-TIME MEMBER INFORMATION

Number of Members authorized:	<u>1</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>1</u>
Number of Members enrolled at end of quarter:	<u>1</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>1</u>
Number of Members at beginning of quarter:	<u>1</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>1</u>
Total Hours of Direct Service for previous Quarter:	<u>289</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>289</u>
Total Hours of Direct Service for this Quarter:	<u>380</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>380</u>
Total Hours of Direct Service to date:	<u>900</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>900</u>



VOLUNTEER ASSESSMENT

Non-AmeriCorps Member Volunteers

Total Number of non-AmeriCorps Volunteers:
involved in AmeriCorps service activities in
this quarter

0

Total hours of AmeriCorps service activities:
completed by non-AmeriCorps Member volunteers
in this quarter.

0

4th
SIGNIFICANT CHANGES THIS QUARTER

1. Staff changes made this quarter:

NONE

2. Program structural changes made this quarter:

Included 1995 flood recovery activities
with 1993 flood recovery efforts.

Number of Members who have left National Service
this quarter.

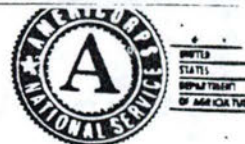
(All completed terms.)

Total-to-date

2

Number of Members who have gained employment thru their
AmeriCorps Service

45



MEMBER ASSESSMENT
as of end of this quarter (4th)

TOTAL AUTHORIZED POSITIONS: 12 TOTAL EMPLOYED: 11

TOTAL ENVIRONMENTAL CORPS POSITIONS FILLED 0
TOTAL RURAL DEVELOPMENT CORPS POSITIONS FILLED 11

DEMOGRAPHICS OF AMERICORPS MEMBERS

Box 1 - GENDER	
Number of Males	<u>8</u>
Number of Females	<u>3</u>
TOTAL	<u>11</u>

Box 2 - RACE	
Number of Caucasians	<u>10</u>
Number of African Americans	<u>1</u>
Number of Native Americans	<u> </u>
Number of Hispanics	<u> </u>
Number of Asian Americans/Pacific Islander	<u> </u>
Other	<u> </u>
TOTAL	<u>11</u>

Box 3 - EDUCATION	
Number w/out High School Diploma or GED	<u> </u>
Number with High School or GED	<u> </u>
Number with some college	<u>4</u>
Number with college degree	<u>5</u>
Number with Graduate degree	<u>2</u>
Number w/Professional or Trade School	<u> </u>
TOTAL	<u>11</u>

NOTE: Totals in boxes 1-3 should be the same number and should be the same as TOTAL EMPLOYED.

BOX 4 - OTHER	
Number receiving Health Insurance from NRCS	<u>7</u>
Number receiving Child Care through AmeriCorps	<u>0</u>
Number of children (Number <u>with</u> children)	<u>4</u>
Number w/Disabilities	<u>1</u>



BUDGET INFORMATION

End-of-year summary.

Federal dollars spent on AmeriCorps (Local Level Only)

Project Manager completes this section

8 site-supervisors
Per cent of your time spent on AmeriCorps
Approximate dollar amount

23%
\$ 10,000

Cost for any other Federal employee spending
time on AmeriCorps (technical & clerical)

4,000

Travel costs for Members & Managers

280

Training costs

330

Supplies

—

Uniform costs

—

Program Costs (office space, phone, copier, computer)
(Please explain what these costs were.)

2,500

Partner dollars spent on AmeriCorps (umc)

Supplies

360

Travel

—

Training

—

Program Costs (office space, phone, copier, computer)

1,000

Other (Supervision)

4,000



PROJECT DIRECTOR COSTS (One per State - Above site level costs only)
Do NOT include any costs already captured by the Project Manager.

Federal dollars spent on AmeriCorps

Per cent of your time spent on AmeriCorps	<u>20%</u>
Approximate dollar amount	<u>\$ 9,500</u>
Cost for any other Federal employee spending time on AmeriCorps (admin. services, timekeepers)	<u>7,000</u>
Travel costs for Members & Managers	<u>280</u>
Training costs	<u>330</u>
Supplies	<u>-</u>
Uniform costs	<u>-</u>
Program Costs (vehicle and equipment use) (Please explain what these costs were.)	<u>600</u>

Non-Federal Funds Spent
(Explain)

0

NATURAL RESOURCES CONSERVATION SERVICE
US DEPT. OF AGRICULTURE

AMERICORPS PROJECTS

1996

STATE: Missouri

Name: Ross BRAUN, project director

Phone: (314) 876-0912

Code	Project	Measurement
SCD	Soil Conservation Districts	no. of district sponsored projects no. of AmeriCorps members
RCD	Resource Conservation & Development areas	no. of projects no. of AmeriCorps members
NA	Native American	no. of projects name of reservation no. of AmeriCorps members working on reservations
AW	Adopt-A-Watershed	no. of organizations no. of tributaries no. of projects
CE	Conservation Education	no. of participants K-12 <u>1,770,260 STUDENTS</u> no. of participants general public <u>3,674 ADULTS</u>
CP	Conservation Planning	no. of acres
CPR	Coastal Protection	no. of acres miles
CR	Cultural Resources	no. of sites acres
CU	Clean Ups	no. of sites type of clean up
DH	Dry Hydrants	no. of hydrants installed no. of sites identified no. of fire departments involved
FA	Farm*A*Syst	no. of assessments no. of practices changed
FC	Forestry Conservation	no. of acres
FP	Fire Protection	no. of acres
FPR	Flood Prevention	no. of acres <u>3,600 acres</u> other <u>Decision Support System for county w/140,000 ac.</u>
FR	Flood Recovery	no. of acres <u>50,300 ac.</u>
FS	Fish Stock	no. of locations no. of fish and species
GIS	Geo Information	
GL*	Grasslands	no. of assessments no. of acres needing treatment no. of acres treated

NATURAL RESOURCES CONSERVATION SERVICE
US DEPT. OF AGRICULTURE

AMERICORPS PROJECTS

1996

STATE: Missouri

Name Ross BRAUN

Phone: (314) 876-0912

Code	Project	Measurement
RW	Rural Water	no. of projects
		no. of people served
SA	Sustainable Agriculture	no. of acres
		no. of projects
SH	Salmon Habitat	no. of sites improved
		other
TB	Timber Bridge	no. of bridges installed
		no. of feet
TR*	Tourism	
UF	Urban Forestry	no. of trees
UG	Urban Gardens	no. of sites
		no. of square feet
		no. of plants
WE	Wind Erosion	no. of trees planted
		no. of miles
		no. of acres
WI	Wildlife Improvement	no. of acres
		other description
WP	Well Protection	no. of wells sealed
		other
 WR	Wetland Restoration	no. of acres <u>995 ac.</u>

* Use the best unit of measuring your work.

Please note: This is the first attempt to quantify the work NRCS accomplished through the AmeriCorps program. Your information will be entered into a data base that we can sort and cross reference by projects, geographic locations, activities, etc. After reviewing our results and your comments, we will revise our approach.

Missouri NRCS - USDA AmeriCorps - End Of Year Quarter Report, October 6, 1995

PRIMARY ACCOMPLISHMENTS

COMMUNITY SERVICE OBJECTIVES SECTION

PROGRESS

1. Member Development

2. Community Building (Service Objectives)

Site 1: **David Snead, UMC - Agricultural Engineering**
(One Rural Development position - Part-Time - Eastern Cluster)
Objective: **Provide adult education and technology transfer of crop production information to landowners and producers in the Missouri and Mississippi River affected by the Great Flood of 1993. This is a cooperative effort with the FAPRI, CARES, and Emergency Wetland Reserve Program floodplain management projects.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management and community building courses. Received 5 hours of agricultural engineering orientation and 8 hours of soil science training at the University of Missouri, Columbia.
- 2) Completed and published a flood recovery reference manual for use by the University Extension Service throughout Missouri. The manual includes a list, description and enrollment information for federal and state flood recovery programs.

Initiated an addition to the Farm*A*Syst water quality evaluation instrument for flood plain land users. This instrument consists of worksheets that can be used by residents to evaluate environmental farmstead hazards and select appropriate protection measures. The Farm*A*Syst program is available to the public through University Extension Service and NRCS offices throughout the state.

Assisted Missouri AgrAbility Program to expand. Program visibility has increased dramatically and now has a waiting list for services. The AgrAbility Program assists farmers and family with disabilities to achieve independence through adaptive household and farm equipment.

Site 2: **Chris Fulcher, UMC - Agricultural Economics (CARES)**
(One Rural Development position - Eastern Cluster)
Objective: **Develop a computer model "decision support system" to assist St. Charles County and other communities in the major river floodplains to compare and evaluate the consequences of alternative flood plain management systems concerning economic development, residential zoning and agricultural production. This is a cooperative effort with the FAPRI, UMC Agricultural Engineering, and Emergency Wetland Reserve Program flood plain management projects.**

(continued) Site 2: Chris Fulcher, UMC - Agricultural Economics (CARES)

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management and teambuilding courses. Participated in Missouri National Day of Service activities. Invited and attended National Center for Atmospheric Research conference. Met with professionals at the National Biological Service Midcontinent Ecological Science Center to strengthen economic, GIS and modeling aspects of the project's Decision Support System. Presented a paper at the 15th Annual ESRI Users Conference.
- 2) Provided digital natural resource information to St. Charles County governments and the Greenway Network. Participated in three public flood plain management meetings and developed non-structural alternatives for flood plain management based on residents' concerns. Completed the Decision Support System and presented it to the Greenway Network with recommendations that other counties use the system to analyze the best use of their floodplain. The Decision Support System utilizes virtually all potential aspects of social, economic, and environmental concerns.

Site 3: Tomi Stone, UMC/FAPRI (Food & Agriculture Policy Research Institute)
(One Rural Development Position - Eastern Cluster)

Objective: Compile flood plain management and water quality information and utilize Geographic Information Systems (GIS) and provide information to communities and individuals regarding recovery from the Great Flood of 1993 and future flood plain management. This is a cooperative effort with the CARES, Emergency Wetland Reserve Program, and Agricultural Engineering flood plain management projects.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management course. Participated in Missouri National Day of Service activities. Attended conference on the Conservation Reserve Program and the 1995 Missouri Rivers and Streams Conference. Received training from University Extension Service agronomists about sand deposit recovery and vegetative establishment. Received training in "Coreldraw" software.
- 2) Developed and mailed a survey to 1,500 Missouri River flood plain landowners to determine participation and effectiveness of government and private flood recovery efforts. Survey results will be used to improve future flood recovery programs by federal, state and local governments throughout Missouri. Compiled and analyzed the results and presented them to all state and federal agencies and to the public through a state wide press release. (Article published in state wide "Rural Electric Cooperative (REC) monthly newspaper.

Assisted three farmers to develop plans to remove flood debris and sand deposits from agricultural land. Provided information to the city of Glasgow and Missouri Farm Bureau concerning flood plain management.

Site 4: **Brian Thomas**, USDA-NRCS, Columbia State Office (One Rural Development position - Eastern Cluster)
Objective: **Provide adult education and technology transfer information for Emergency Wetland Reserve Program participants and for landusers interested in wetland development.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management, teambuilding and water safety courses. Attended a meeting with natural resource staff from Kansas, Iowa, Nebraska and the U.S. Fish and Wildlife Service to discuss possible expansion of the Missouri River wetlands project and report on project progress. Participated in Missouri National Day of Service activities. Received "bench-level circuit" and total-station instrument surveying training.
- 2) Conducted and analyzed 55 avian studies of 12 sites. Completed topographical surveys for 9 sites. Conducted 40 time-budget sessions at 12 sites. Wrote community newsletter for landowners participating in EWRP, WRP, and the wetland research study. Entered 98 study and potential study site data into ArcInfo GIS program. Provided wetland restoration guidance on 960 acres of new wetlands. Assisted with sandbagging efforts in the town of Wooldridge during 1995 flood.

Site 5: **Patricia McCracken**, USDA-SCS, St. Charles Field Office (One Rural Development position - Eastern Cluster)
Objective: **Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management and teambuilding courses. Participated in Missouri National Day of Service activities. Participated in AIDS awareness and defensive drivers' training sessions. Received training in soil erosion prediction, intensive grazing, HEL and wetland delineation, and streambank erosion control.
- 2) Staffed County Emergency Management Agency phones and serviced approximately 6,000 citizens. Directly informed 6,000 county residents during FEMA assignment. Wrote, published and distributed a natural resources and flood recovery directory. (Requested and provided to 12 additional residents.)

Surveyed 150 small farms and hobby farmers to determine land and water management needs and concerns. Survey also provided participants with listing of services currently available. 800 landowners received improved natural resources management service delivery. Assisted 32 landowners with flood recovery efforts. Provided adult education concerning water quality and watershed management to 150 people. Provided flood recovery and prevention assistance to 100s of landowners on 48,000 acres.

- 3) Other Accomplishments: Initiated, coordinated and conducted a "Natural Resources Festival" for 456 fifth-grade students and 23 teachers. Gave formal presentations on soil and water conservation

(continued) **Site 5: Patricia McCracken, USDA-SCS, St. Charles Field Office**

- 4) **Unique Success:** The Natural Resource Festival was a huge success. Students and teachers spent a full day at Busch Wildlife Area learning with hands-on activities. This will become an annual event. Festival involved 21 volunteers who donated 168 hours of their time. News articles are included with this report.

Site 6: Ed Gillmore, USDA-SCS, Jefferson City Field Office
(One Rural Development position serves Cole, Osage, & Fulton Counties.)
(Eastern Cluster)

Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed 2-day prescribed burning course. Completed teambuilding courses.
- 2) Provided water quality and soil conservation education to approximately 850 students (4th through 8th grade). Member created and delivered the natural resource presentations that will be used annually to serve approximately 20 schools and 2,000 students. Assisted one landowner to implement a wetland wildlife area on 35 acres that included planting 400 trees. The pasture and hayland management guide booklet is 90 percent complete. The booklet will be a 30-page guide that could potentially be used by 800 to 2,000 producers in central Missouri. Assisted producers on 6 farms to plan water management measures. Three of the plans have been implemented. Assisted sponsors on 4 flood recovery projects; three projects have been completed. Participated in planning and implementing a demonstration of an abandoned well plugging.

Site 7: Chris Clay, USDA-SCS, Troy Field Office
(One Rural Development position - Eastern Cluster)

Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Participated in Missouri National Day of Service activities. Completed conflict management and teambuilding training. Received "bench-level circuit" and total-station instrument surveying training.
- 2) Completed maintenance on 14 floodwater retarding dams (protecting 1,400 acres) for watershed sponsors. Collected 75 percent of soils data needed for a county water quality needs assessment. Completed all channel cross-section surveys for a flood prevention project for the town of Elsberry. Interviewed the Elsberry town mayor and 4 key residents concerning flooding problems and potential solutions to flash-flooding problems.

Site 8: **Members have resigned,** USDA-SCS, Higginsville Field Office
(One Rural Development position - Western Cluster)
Objective: **Provide operation and maintenance support to local watershed sub-district sponsors and producers.**

PROGRESS: Both members selected for this position have resigned due to personal reasons. Due to project time constraints the member has not been replaced.

Site 9: **Jeffrey Grethen,** USDA-SCS, Warrensburg Area & Project Office
(One Rural Development position - Western Cluster)
Objective: **Provide flood recovery, water quality, and soil conservation assistance to landowners, producers, and local sponsors.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Participated in Missouri National Day of Service activities. Completed CPR, first aid, conflict management and teambuilding courses. Received land surveying training.
- 2) Surveyed and mapped 1,300 acres of flood plain to assist 15 landowners in sand removal and flood recovery. Completed maintenance on 13 floodwater retarding dams for landowners and watershed sponsors. Assisted 10 landowners to plan Wetland Reserve Program (WRP) sites. Assisted 95 landowners in the water quality study of herbicide runoff into water supply lakes for the cities of Corder, Odessa, and Higginsville.

Worked with other AmeriCorps members and projects to provide flood recovery assistance to the town of Ste. Genevieve, Missouri.

Site 10: **Nettie Rummel,** USDA-SCS, Butler Field Office (One Rural Development position serves Bates, Henry, & St. Clair Counties - Western Cluster)
Objective: **Compile support information for a "319" Water Quality Project proposal and provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed prescribed burning and rotational grazing workshops. Completed conflict management and teambuilding courses.
- 2) Compiled water quality resource information for the Butler Soil & Water Conservation District in order to plan and implement a watershed plan that involves 342 producers. Provided updated natural resource information to 50 producers. Updated case-files for 450 landowners in two counties in order to provide wetland management guidance.

Worked with other AmeriCorps members and projects to provide flood recovery assistance to the town of Ste. Genevieve, Missouri.

Site 11: **Dan Holt,** USDA-SCS, Marshall Field Office (One Rural Development position serves Saline, Cooper, & Moniteau Counties - Western Cluster)
Objective: **Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.**

(Dan was unable to complete a 1,700-hour tour due to ill health. He did complete 932 hours of service.)

PROGRESS:

- 1) Completed conflict management, teambuilding, CPR and first aid courses.
- 2) Provided surveying assistance to 11 landowners in order to remove sand deposits and implement water management measures on over 1,000 acres. Created a wall-sized soil survey map to increase soil survey awareness and improve landowner assistance.

(Member missed approximately 3 weeks due to serious illness.)

Site 12: **Tom Parkinson,** USDA-SCS, Fayette Emergency/Watershed Project Office (One Rural Development position - Western Cluster)
Objective: **Assist community leaders and watershed sub-district trustee to implement a PL-566 Watershed Protection Project. Assist landowners interested in wetland reserve and Emergency Watershed Protection (EWP) programs.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Participated in Missouri National Day of Service. Completed conflict management, teambuilding, CPR and first aid training. Received land surveying, Lotus 123, Microsoft Word, Eaglepoint, Autocadd, and other engineering design computer program training.
- 2) Inspected 15 Emergency Watershed Protection (EWP) program contract sites for local sponsors and certified completion of 6 sites. Assisted Moniteau Creek Watershed sponsors to survey 10 floodwater retarding dam sites. Assisted with planning and design for one floodwater retarding dam. Informed 9 watershed landowners about on-going geological investigations. Assisted 5 landowners to implement water management measures.



Hail agriculture

Get out your best seed cap and mark your calendar. "Salute to AgriMissouri" will launch the 125th anniversary celebration of the University of Missouri College of Agriculture, Food and Natural Resources, Sept. 9 at the university's Columbia campus.

The event, which starts at 10 a.m. with displays and exhibits, includes a luncheon, "Friends of the College" recognition, Century Farm recognition, a ham auction and the Mizzou Tigers vs. Bowling Green (Ohio) football game. A football/luncheon package is available for \$25 while

tickets to the luncheon alone are \$8.

For more information, call (314) 882-0368. To purchase the football package call 1-800-CAT-PAWS.

An aged wine industry

It's been 30 years since Missouri's wine industry was resurrected when Jim and Betty Held bought the Stone Hill Winery — idle since Prohibition.

Since 1965 the state's wine industry has grown to a \$10 million business supporting 34 wineries. Vineyards in Missouri — once the No. 2 wine-producing state in the nation — produce some 300,000 gallons of wine each year.

For a free brochure highlighting the state's wineries and vineyards or for more information about the state's grape and wine program, call 1-800-392-WINE.

Don't tease the hunters

Just in case you were thinking about going into the woods this fall to bother hunters, you might want to think again. The U.S. Supreme Court recently let stand a Montana law mak-

ing it illegal to harass hunters.

The case stemmed from a 1990 incident in which a man jumped in front of hunters taking aim at game. Lawyers for the Fund for Animals argued that the law infringed on free speech.

The Montana Supreme Court ruled that the six-year-old law dealt only with physical interference with lawful hunters and did not violate animal-rights advocates' constitutional right to free speech. The U.S. Supreme Court refused to hear the case.

Forty-eight other states, including Missouri, have passed laws prohibiting harassment of hunters.

(Bad) memories of '93

For some Missouri farmers, "The Great Flood of '93" never went away. Ten percent of land flooded two years ago remains out of production, according to a University of Missouri survey of landowners along the Missouri River.

Sand accumulation and scouring are the main reasons for still unproductive land listed by respondents to the mail questionnaire, according to Tomi Stone, Americorps volunteer

working at the University of Missouri's Food and Agricultural Policy Research Institute (FAPRI). Of the land now idled because of the flood, 38 percent is never expected to return to production, Stone said. Another 17 percent was listed as "uncertain" on future use.

Flood recovery costs averaged \$56,019 per landowner, according to respondents. Costs ranged from \$150 to \$500,000, but not all costs have been incurred as yet. Seventy-three respondents reported they would have future expenditures on land reclamation estimated to average \$23,029 per landowner.

A large majority of landowners — 84 percent — reported they paid most of their land reclamation expenses themselves. The major source of outside flood-recovery assistance came from USDA agencies.

A major impact of the flood has been changes in cropping practices. Farmers reported that wheat production was down 36 percent and corn production decreased 23 percent in the river bottom from 1992 to 1994. Milo and soybean production went up slightly in the region.

Stone, who supervised the flood survey, has completed her one-year

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10R225	175-24	235Rx16	17.525

tour as an Americorps volunteer. Her work was sponsored by FAPRI and the USDA Natural Resources Conservation Service. The survey was underwritten by University Extension. Copies of the flood report are available through University Extension Centers in counties along the Missouri River, or from the FAPRI office at the University of Missouri-Columbia.

America lights with coal

Coal is still king for electric utilities in this country and will reign for some time to come, according to this year's Annual Energy Outlook from the Energy Information Administration.

"As they have since early this century, coal-fired power plants are expected to remain the dominant source of electricity through 2010," the report says. In 1993, coal plants accounted for 41 percent of the generating capacity in the United States and for 53 percent of the electricity generated.

Coal will remain No. 1 for the foreseeable future, the report says, due to the increased use of existing plants rather than the establishment of new ones. That may change, however, if

gas, nuclear power and renewable fuels begin to play a bigger role in electricity generation.

Counting the grain days

A few grains here, a few grains there and pretty soon you're talking real bread. Worldwide grain reserves are being eaten away due to the growing world population with consumption exceeding production for the third straight year.

Lester R. Brown, president of the environmental research group Worldwatch Institute, says world grain stocks will dip to the lowest level in 20 years, leaving a record low 53-day supply next year that could result in rising food prices around the globe. The supply this year is enough to feed the world for 61 days, Brown says.

The tight grain supply will likely lead to worldwide increases in the price of bread, rice and breakfast cereal by the end of 1995, the group says. Other prices that could be affected early next year include grain-produced livestock products such as beef, poultry, pork, eggs, milk and cheese.

Brown notes that when the world's grain supply dropped to the previous

low of 55 days in 1973, grain prices doubled, pushing up food prices around the globe.

Brown's predictions have their detractors though. Mark Rosegrant, research fellow at the International Food Policy Research Institute, says "The food situation is always characterized with temporary shortages which do cause problems but may not be indicative of long-term problems."

Putting the brakes on speed

Now that Congress has given states the go-ahead to set their own speed limits the Missouri State Highway Patrol is trying to put the brakes on any attempt to raise limits here.

Speed and inattention, two factors often seen as correlative, have been the leading contributing factors in fatal crashes in Missouri for the past several years, the patrol says. Of all Missouri traffic crashes in 1994, speed was a factor in nearly 17 percent. Of fatal crashes, 37 percent were speed-related.

More than 18,000 people were killed or injured during 1994 in 28,770 Missouri traffic crashes in which one or more drivers was speed-

ing. That works out to one person killed or injured in a speed-related traffic accident every 29.1 minutes.

According to the National Highway Traffic Safety Administration, 31 percent of all fatal crashes in the United States were speed-related in 1993, when 3 million people were injured and 40,115 died in motor vehicle crashes nationwide.

Motor vehicle crashes are the leading cause of death for Americans between the ages of 5 and 32. In Missouri more than 72 percent of drivers involved in speed-related crashes in 1994 were under the age of 35.

Speed-related crashes affect all roadways, but the percentage varies by road type. Rural roads clearly have proven to be more dangerous than interstate highways. According to federal highway statistics, only 40 percent of all vehicle miles are traveled on rural roads but more than 60 percent of speed-related fatal crashes occur there.

Missouri's trend is even more dramatic. In 1994 just 48 percent of speed-related traffic accidents in the state occurred on rural roads and highways, but three-quarters of the fatal speed-related traffic crashes occurred there.

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***** -COMM. JOURNAL- ***** DATE OCT-09-1995 ***** TIME 15:31 ***** P.1

MODE = TRANSMISSION

START=OCT-09 15:16

END=OCT-09 15:31

NO.	COM	ABBR/NTWK	STATION NAME/ TELEPHONE NO.	PAGES	PRG.NO.	PROGRAM NAME
001	OK	[23]	NHQ PJONES-AMC	022		

-USDA SCS MISSOURI SO -

***** - 314 876 0913- *****

USDA Natural Resources Conservation

Parkade Center, Suite 250, 601 Business Loop 70 West, Columbia, Missouri 65203

Service

from Columbia, Missouri

Date: 10/9/95

To: Paula Cole Jones, Ameri Corps Program Director

Receivers fax number: 202/690-0639

From: Ross BRAUN, Ameri Corps Project Director

Senders fax number: 314-876-0913

Senders phone number: 314/876-0912

Number of Pages 23

(including this sheet)

Comments:

Original copy of end-of-the-year report
to go out in 10/10/95 mail.

Ross

Please Respond:

☐ ASAP ☐ Per your request ☐ FYI

☐ By: _____

Time: _____ am/pm





MEMBER INFORMATION

4th Qtr.

FULL-TIME MEMBER INFORMATION

(One changed to part-time March 1995)

Number of Members authorized for your site:

Environmental Corps Members:

Rural Development Corps Members:

~~12~~ (11)

Number of Members enrolled at end of quarter:

Environmental Corps Members:

Rural Development Corps Members:

1010

Number of Members at beginning of quarter:

Environmental Corps Members:

Rural Development Corps Members:

1010Total Hours of Direct Service for previous Quarter: 5,121

Environmental Corps Members:

Rural Development Corps Members:

5,121

Total Hours of Direct Service for this Quarter:

Environmental Corps Members:

Rural Development Corps Members:

3,1113,111

Total Hours of Direct Service to Date:

Environmental Corps Members:

Rural Development Corps Members:

16,40616,406

4th Qtr.**PART-TIME MEMBER INFORMATION**

Number of Members authorized:	<u>1</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>1</u>
Number of Members enrolled at end of quarter:	<u>1</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>1</u>
Number of Members at beginning of quarter:	<u>1</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>1</u>
Total Hours of Direct Service for previous Quarter:	<u>289</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>289</u>
Total Hours of Direct Service for this Quarter:	<u>380</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>380</u>
Total Hours of Direct Service to date:	<u>900</u>
Environmental Corps Members:	<u> </u>
Rural Development Corps Members:	<u>900</u>

**VOLUNTEER ASSESSMENT****Non-AmeriCorps Member Volunteers**

Total Number of non-AmeriCorps Volunteers:
involved in AmeriCorps service activities in
this quarter

0

Total hours of AmeriCorps service activities:
completed by non-AmeriCorps Member volunteers
in this quarter.

0



4th
SIGNIFICANT CHANGES THIS QUARTER

1. Staff changes made this quarter:

NONE

2. Program structural changes made this quarter:

Included 1995 flood recovery activities
with 1993 flood recovery efforts.

Number of Members who have left National Service
this quarter.

(All completed terms.)

Total-to-date

2

Number of Members who have gained employment thru their
AmeriCorps Service

45



MEMBER ASSESSMENT
as of end of this quarter (4th)

TOTAL AUTHORIZED POSITIONS: 12 TOTAL EMPLOYED: 11

TOTAL ENVIRONMENTAL CORPS POSITIONS FILLED 0

TOTAL RURAL DEVELOPMENT CORPS POSITIONS FILLED 11

DEMOGRAPHICS OF AMERICORPS MEMBERS

Box 1 - GENDER

Number of Males 8

Number of Females 3

TOTAL 11

Box 2 - RACE

Number of Caucasians 10

Number of African Americans 1

Number of Native Americans

Number of Hispanics

Number of Asian Americans/Pacific Islander

Other

TOTAL 11

Box 3 - EDUCATION

Number w/out High School Diploma or GED

Number with High School or GED

Number with some college 4

Number with college degree 5

Number with Graduate degree 2

Number w/Professional or Trade School

TOTAL 11

NOTE: Totals in boxes 1-3 should be the same number and should be the same as TOTAL EMPLOYED.

BOX 4 - OTHER

Number receiving Health Insurance from NRCS 7

Number receiving Child Care through AmeriCorps 0

Number of children (Number with children) 4

Number w/Disabilities 1



BUDGET INFORMATION

End-of-year summary.

Federal dollars spent on AmeriCorps (Local Level Only)	
* Project Manager completes this section	
8 site-supervisors	
Per cent of your time spent on AmeriCorps	<u>~ 3%</u>
Approximate dollar amount	<u>\$ 10,000</u>
Cost for any other Federal employee spending time on AmeriCorps (technical & clerical)	<u>4,000</u>
Travel costs for Members & Managers	<u>280</u>
Training costs	<u>330</u>
Supplies	<u>—</u>
Uniform costs	<u>—</u>
Program Costs (office space, phone, copier, computer) (Please explain what these costs were.)	<u>2,500</u>

Partner dollars spent on AmeriCorps (umc)	
Supplies	<u>360</u>
Travel	<u>—</u>
Training	<u>—</u>
Program Costs (office space, phone, copier, computer)	<u>1,000</u>
Other (Supervision)	<u>4,000</u>



PROJECT DIRECTOR COSTS (One per State - Above site level costs only)
Do NOT include any costs already captured by the Project Manager.

Federal dollars spent on AmeriCorps

Per cent of your time spent on AmeriCorps	<u>20%</u>
Approximate dollar amount	<u>\$ 9,500</u>
Cost for any other Federal employee spending time on AmeriCorps (admin. services, timekeepers)	<u>7,000</u>
Travel costs for Members & Managers	<u>280</u>
Training costs	<u>330</u>
Supplies	<u>-</u>
Uniform costs	<u>-</u>
Program Costs : (vehicle and equipment use) (Please explain what these costs were.)	<u>600</u>

Non-Federal Funds Spent
(Explain)

0

Missouri NRCS - USDA AmeriCorps - End Of Year Quarter Report, October 6, 1995**PRIMARY ACCOMPLISHMENTS****COMMUNITY SERVICE OBJECTIVES SECTION****PROGRESS**

1. Member Development
2. Community Building (Service Objectives)

Site 1: David Snead, UMC - Agricultural Engineering
(One Rural Development position - Part-Time - Eastern Cluster)

Objective: Provide adult education and technology transfer of crop production information to landowners and producers in the Missouri and Mississippi River affected by the Great Flood of 1993. This is a cooperative effort with the FAPRI, CARES, and Emergency Wetland Reserve Program floodplain management projects.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management and community building courses. Received 5 hours of agricultural engineering orientation and 8 hours of soil science training at the University of Missouri, Columbia.
- 2) Completed and published a flood recovery reference manual for use by the University Extension Service throughout Missouri. The manual includes a list, description and enrollment information for federal and state flood recovery programs.

Initiated an addition to the Farm*A*Syst water quality evaluation instrument for flood plain land users. This instrument consists of worksheets that can be used by residents to evaluate environmental farmstead hazards and select appropriate protection measures. The Farm*A*Syst program is available to the public through University Extension Service and NRCS offices throughout the state.

Assisted Missouri AgrAbility Program to expand. Program visibility has increased dramatically and now has a waiting list for services. The AgrAbility Program assists farmers and family with disabilities to achieve independence through adaptive household and farm equipment.

Site 2: Chris Fulcher, UMC - Agricultural Economics (CARES)
(One Rural Development position - Eastern Cluster)

Objective: Develop a computer model "decision support system" to assist St. Charles County and other communities in the major river floodplains to compare and evaluate the consequences of alternative flood plain management systems concerning economic development, residential zoning and agricultural production. This is a cooperative effort with the FAPRI, UMC Agricultural Engineering, and Emergency Wetland Reserve Program flood plain management projects.

(continued) Site 2: Chris Fulcher, UMC - Agricultural Economics (CARES)

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management and teambuilding courses. Participated in Missouri National Day of Service activities. Invited and attended National Center for Atmospheric Research conference. Met with professionals at the National Biological Service Midcontinent Ecological Science Center to strengthen economic, GIS and modeling aspects of the project's Decision Support System. Presented a paper at the 15th Annual ESRI Users Conference.
- 2) Provided digital natural resource information to St. Charles County governments and the Greenway Network. Participated in three public flood plain management meetings and developed non-structural alternatives for flood plain management based on residents' concerns. Completed the Decision Support System and presented it to the Greenway Network with recommendations that other counties use the system to analyze the best use of their floodplain. The Decision Support System utilizes virtually all potential aspects of social, economic, and environmental concerns.

**Site 3: Tomi Stone, UMC/FAPRI (Food & Agriculture Policy Research Institute)
(One Rural Development Position - Eastern Cluster)**

Objective: Compile flood plain management and water quality information and utilize Geographic Information Systems (GIS) and provide information to communities and individuals regarding recovery from the Great Flood of 1993 and future flood plain management. This is a cooperative effort with the CARES, Emergency Wetland Reserve Program, and Agricultural Engineering flood plain management projects.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management course. Participated in Missouri National Day of Service activities. Attended conference on the Conservation Reserve Program and the 1995 Missouri Rivers and Streams Conference. Received training from University Extension Service agronomists about sand deposit recovery and vegetative establishment. Received training in "Coreldraw" software.
- 2) Developed and mailed a survey to 1,500 Missouri River flood plain landowners to determine participation and effectiveness of government and private flood recovery efforts. Survey results will be used to improve future flood recovery programs by federal, state and local governments throughout Missouri. Compiled and analyzed the results and presented them to all state and federal agencies and to the public through a state wide press release. (Article published in state wide "Rural Electric Cooperative (REC) monthly newspaper.

Assisted three farmers to develop plans to remove flood debris and sand deposits from agricultural land. Provided information to the city of Glasgow and Missouri Farm Bureau concerning flood plain management.

- Site 4:** Brian Thomas, USDA-NRCS, Columbia State Office (One Rural Development position - Eastern Cluster)
- Objective:** Provide adult education and technology transfer information for Emergency Wetland Reserve Program participants and for landusers interested in wetland development.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management, teambuilding and water safety courses. Attended a meeting with natural resource staff from Kansas, Iowa, Nebraska and the U.S. Fish and Wildlife Service to discuss possible expansion of the Missouri River wetlands project and report on project progress. Participated in Missouri National Day of Service activities. Received "bench-level circuit" and total-station instrument surveying training.
- 2) Conducted and analyzed 55 avian studies of 12 sites. Completed topographical surveys for 9 sites. Conducted 40 time-budget sessions at 12 sites. Wrote community newsletter for landowners participating in EWRP, WRP, and the wetland research study. Entered 98 study and potential study site data into ArcInfo GIS program. Provided wetland restoration guidance on 960 acres of new wetlands. Assisted with sandbagging efforts in the town of Wooldridge during 1995 flood.

- Site 5:** Patricia McCracken, USDA-SCS, St. Charles Field Office (One Rural Development position - Eastern Cluster)
- Objective:** Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed conflict management and teambuilding courses. Participated in Missouri National Day of Service activities. Participated in AIDS awareness and defensive drivers' training sessions. Received training in soil erosion prediction, intensive grazing, HEL and wetland delineation, and streambank erosion control.
- 2) Staffed County Emergency Management Agency phones and serviced approximately 6,000 citizens. Directly informed 6,000 county residents during FEMA assignment. Wrote, published and distributed a natural resources and flood recovery directory. (Requested and provided to 12 additional residents.)

Surveyed 150 small farms and hobby farmers to determine land and water management needs and concerns. Survey also provided participants with listing of services currently available. 800 landowners received improved natural resources management service delivery. Assisted 32 landowners with flood recovery efforts. Provided adult education concerning water quality and watershed management to 150 people. Provided flood recovery and prevention assistance to 100s of landowners on 48,000 acres.
- 3) Other Accomplishments: Initiated, coordinated and conducted a "Natural Resources Festival" for 456 fifth-grade students and 23 teachers. Gave formal presentations on soil and water conservation

(continued) Site 5: Patricia McCracken, USDA-SCS, St. Charles Field Office

- 4) **Unique Success:** The Natural Resource Festival was a huge success. Students and teachers spent a full day at Busch Wildlife Area learning with hands-on activities. This will become an annual event. Festival involved 21 volunteers who donated 168 hours of their time. News articles are included with this report.

Site 6: Ed Gillmore, USDA-SCS, Jefferson City Field Office
(One Rural Development position serves Cole, Osage, & Fulton Counties.)
(Eastern Cluster)

Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed 2-day prescribed burning course. Completed teambuilding courses.
- 2) Provided water quality and soil conservation education to approximately 850 students (4th through 8th grade). Member created and delivered the natural resource presentations that will be used annually to serve approximately 20 schools and 2,000 students. Assisted one landowner to implement a wetland wildlife area on 35 acres that included planting 400 trees. The pasture and hayland management guide booklet is 90 percent complete. The booklet will be a 30-page guide that could potentially be used by 800 to 2,000 producers in central Missouri. Assisted producers on 6 farms to plan water management measures. Three of the plans have been implemented. Assisted sponsors on 4 flood recovery projects; three projects have been completed. Participated in planning and implementing a demonstration of an abandoned well plugging.

Site 7: Chris Clay, USDA-SCS, Troy Field Office
(One Rural Development position - Eastern Cluster)

Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Participated in Missouri National Day of Service activities. Completed conflict management and teambuilding training. Received "bench-level circuit" and total-station instrument surveying training.
- 2) Completed maintenance on 14 floodwater retarding dams (protecting 1,400 acres) for watershed sponsors. Collected 75 percent of soils data needed for a county water quality needs assessment. Completed all channel cross-section surveys for a flood prevention project for the town of Elsberry. Interviewed the Elsberry town mayor and 4 key residents concerning flooding problems and potential solutions to flash-flooding problems.

Site 8: **Members have resigned, USDA-SCS, Higginsville Field Office**
(One Rural Development position - Western Cluster)
Objective: **Provide operation and maintenance support to local watershed sub-district sponsors and producers.**

PROGRESS: Both members selected for this position have resigned due to personal reasons. Due to project time constraints the member has not been replaced.

Site 9: **Jeffrey Grethen, USDA-SCS, Warrensburg Area & Project Office**
(One Rural Development position - Western Cluster)
Objective: **Provide flood recovery, water quality, and soil conservation assistance to landowners, producers, and local sponsors.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Participated in Missouri National Day of Service activities. Completed CPR, first aid, conflict management and teambuilding courses. Received land surveying training.
- 2) Surveyed and mapped 1,300 acres of flood plain to assist 15 landowners in sand removal and flood recovery. Completed maintenance on 13 floodwater retarding dams for landowners and watershed sponsors. Assisted 10 landowners to plan Wetland Reserve Program (WRP) sites. Assisted 95 landowners in the water quality study of herbicide runoff into water supply lakes for the cities of Corder, Odessa, and Higginsville.

Worked with other AmeriCorps members and projects to provide flood recovery assistance to the town of Ste. Genevieve, Missouri.

Site 10: **Nettie Rummel, USDA-SCS, Butler Field Office** (One Rural Development position serves Bates, Henry, & St. Clair Counties - Western Cluster)
Objective: **Compile support information for a "319" Water Quality Project proposal and provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.**

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Completed prescribed burning and rotational grazing workshops. Completed conflict management and teambuilding courses.
- 2) Compiled water quality resource information for the Butler Soil & Water Conservation District in order to plan and implement a watershed plan that involves 342 producers. Provided updated natural resource information to 50 producers. Updated case-files for 450 landowners in two counties in order to provide wetland management guidance.

Worked with other AmeriCorps members and projects to provide flood recovery assistance to the town of Ste. Genevieve, Missouri.

Site 11: Dan Holt, USDA-SCS, Marshall Field Office (One Rural Development position serves Saline, Cooper, & Moniteau Counties - Western Cluster)
Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.

(Dan was unable to complete a 1,700-hour tour due to ill health. He did complete 932 hours of service.)

PROGRESS:

- 1) Completed conflict management, teambuilding, CPR and first aid courses.
- 2) Provided surveying assistance to 11 landowners in order to remove sand deposits and implement water management measures on over 1,000 acres. Created a wall-sized soil survey map to increase soil survey awareness and improve landowner assistance.

(Member missed approximately 3 weeks due to serious illness.)

Site 12: Tom Parkinson, USDA-SCS, Fayette Emergency/Watershed Project Office (One Rural Development position - Western Cluster)
Objective: Assist community leaders and watershed sub-district trustee to implement a PL-566 Watershed Protection Project. Assist landowners interested in wetland reserve and Emergency Watershed Protection (EWP) programs.

PROGRESS:

- 1) Certified for completion of Red Cross First Aid and Adult CPR courses. Participated in Missouri National Day of Service. Completed conflict management, teambuilding, CPR and first aid training. Received land surveying, Lotus 123, Microsoft Word, Eaglepoint, Autocadd, and other engineering design computer program training.
- 2) Inspected 15 Emergency Watershed Protection (EWP) program contract sites for local sponsors and certified completion of 6 sites. Assisted Moniteau Creek Watershed sponsors to survey 10 floodwater retarding dam sites. Assisted with planning and design for one floodwater retarding dam. Informed 9 watershed landowners about on-going geological investigations. Assisted 5 landowners to implement water management measures.

PRIMARY CHALLENGES

Nature of Problem: Flooding this spring has hindered some member activities.

Resolution of Problem: Members are completing objectives as floodwaters recede.

Solution: The situation has been resolved to the extent possible. Some members are now involved in 1995 flood recovery efforts.

TRAINING ASSESSMENT

Additional training is not needed. Members have expressed appreciation for both formal and informal training.

MEDIA ASSESSMENT

1) National Identity Activities This Quarter:

Missouri National Day of Service: 7 members participated in activities at the Capitol building in Jefferson City, Missouri. Members then joined with members of other state projects to clean a stream corridor and work with people from "Habitat For Humanity."

Visit from Secretary Glickman and NRCS Chief Paul Johnson: 3 members participated in the media event. Flood recovery activities were featured by the news media. Members had the opportunity to visit with the Secretary and Chief.

2) Media Coverage:

Copies of articles not previously sent are included.

Two members, Chris Fulcher and Brian Thomas, were interviewed by a local TV station to air AmeriCorps concerns after the senate voted down approval of future funding.

3) Other Creative Documentation:

Three members have been hired by NRCS for temporary jobs. (Hiring freeze prevents full-time/career employee recruitment. One member has been hired part-time, while enrolled in college full-time, to assist another alumni with a GIS grant project. One member is now working full-time as a librarian in her home town. 5 members received employment immediately after completion of their tours of duty.



Hail agriculture

Get out your best seed cap and mark your calendar. "Salute to AgriMissouri" will launch the 125th anniversary celebration of the University of Missouri College of Agriculture, Food and Natural Resources, Sept. 9 at the university's Columbia campus.

The event, which starts at 10 a.m. with displays and exhibits, includes a luncheon, "Friends of the College" recognition, Century Farm recognition, a ham auction and the Mizzou Tigers vs. Bowling Green (Ohio) football game. A football/luncheon package is available for \$25 while

tickets to the luncheon alone are \$8. For more information, call (314) 882-0368. To purchase the football package call 1-800-CAT-PAWS.

An aged wine industry

It's been 30 years since Missouri's wine industry was resurrected when Jim and Betty Held bought the Stone Hill Winery — idle since Prohibition.

Since 1965 the state's wine industry has grown to a \$10 million business supporting 34 wineries. Vineyards in Missouri — once the No. 2 wine-producing state in the nation — produce some 300,000 gallons of wine each year.

For a free brochure highlighting the state's wineries and vineyards or for more information about the state's grape and wine program, call 1-800-392-WINE.

Don't tease the hunters

Just in case you were thinking about going into the woods this fall to bother hunters, you might want to think again: The U.S. Supreme Court recently let stand a Montana law mak-

ing it illegal to harass hunters. The case stemmed from a 1990 incident in which a man jumped in front of hunters taking aim at game. Lawyers for the Fund for Animals argued that the law infringed on free speech.

The Montana Supreme Court ruled that the six-year-old law dealt only with physical interference with lawful hunters and did not violate animal-rights advocates' constitutional right to free speech. The U.S. Supreme Court refused to hear the case.

Forty-eight other states, including Missouri, have passed laws prohibiting harassment of hunters.

(Bad) memories of '93

For some Missouri farmers, "The Great Flood of '93" never went away. Ten percent of land flooded two years ago remains out of production, according to a University of Missouri survey of landowners along the Missouri River.

Sand accumulation and scouring are the main reasons for still unproductive land listed by respondents to the mail questionnaire, according to Tomi Stone, Americorps volunteer

working at the University of Missouri's Food and Agricultural Policy Research Institute (FAPRI). Of the land now idled because of the flood 38 percent is never expected to return to production, Stone said. Another 11 percent was listed as "uncertain" or future use.

Flood recovery costs averaged \$56,019 per landowner, according to respondents. Costs ranged from \$150 to \$500,000, but not all costs have been incurred as yet. Seventy-three respondents reported they would have future expenditures on land reclamation estimated to average \$23,029 per landowner.

A large majority of landowners — 84 percent — reported they paid most of their land reclamation expenses themselves. The major source of outside flood-recovery assistance came from USDA agencies.

A major impact of the flood has been changes in cropping practices. Farmers reported that wheat production was down 36 percent and corn production decreased 23 percent in the river bottom from 1992 to 1994. Milo and soybean production went up slightly in the region.

Stone, who supervised the flood survey, has completed her one-year

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tour as an Americorps volunteer. Her work was sponsored by FAPRI and the USDA Natural Resources Conservation Service. The survey was underwritten by University Extension. Copies of the flood report are available through University Extension Centers in counties along the Missouri River, or from the FAPRI office at the University of Missouri-Columbia.

America lights with coal

Coal is still king for electric utilities in this country and will reign for some time to come, according to this year's Annual Energy Outlook from the Energy Information Administration.

"As they have since early this century, coal-fired power plants are expected to remain the dominant source of electricity through 2010," the report says. In 1993, coal plants accounted for 41 percent of the generating capacity in the United States and for 53 percent of the electricity generated.

Coal will remain No. 1 for the foreseeable future, the report says, due to the increased use of existing plants rather than the establishment of new ones. That may change, however, if

gas, nuclear power and renewable fuels begin to play a bigger role in electricity generation.

Counting the grain days

A few grains here, a few grains there and pretty soon you're talking real bread. Worldwide grain reserves are being eaten away due to the growing world population with consumption exceeding production for the third straight year.

Lester R. Brown, president of the environmental research group Worldwatch Institute, says world grain stocks will dip to the lowest level in 20 years, leaving a record low 53-day supply next year that could result in rising food prices around the globe. The supply this year is enough to feed the world for 61 days, Brown says.

The tight grain supply will likely lead to worldwide increases in the price of bread, rice and breakfast cereal by the end of 1995, the group says. Other prices that could be affected early next year include grain-produced livestock products such as beef, poultry, pork, eggs, milk and cheese.

Brown notes that when the world's grain supply dropped to the previous

low of 55 days in 1973, grain prices doubled, pushing up food prices around the globe.

Brown's predictions have their detractors though. Mark Rosegrant, research fellow at the International Food Policy Research Institute, says "The food situation is always characterized with temporary shortages which do cause problems but may not be indicative of long-term problems."

Putting the brakes on speed

Now that Congress has given states the go-ahead to set their own speed limits the Missouri State Highway Patrol is trying to put the brakes on any attempt to raise limits here.

Speed and inattention, two factors often seen as correlative, have been the leading contributing factors in fatal crashes in Missouri for the past several years, the patrol says. Of all Missouri traffic crashes in 1994, speed was a factor in nearly 17 percent. Of fatal crashes, 37 percent were speed-related.

More than 18,000 people were killed or injured during 1994 in 28,770 Missouri traffic crashes in which one or more drivers was speed-

ing. That works out to one person killed or injured in a speed-related traffic accident every 29.1 minutes.

According to the National Highway Traffic Safety Administration, 31 percent of all fatal crashes in the United States were speed-related in 1993, when 3 million people were injured and 40,115 died in motor vehicle crashes nationwide.

Motor vehicle crashes are the leading cause of death for Americans between the ages of 5 and 32. In Missouri more than 72 percent of drivers involved in speed-related crashes in 1994 were under the age of 35.

Speed-related crashes affect all roadways, but the percentage varies by road type. Rural roads clearly have proven to be more dangerous than interstate highways. According to federal highway statistics, only 40 percent of all vehicle miles are traveled on rural roads but more than 60 percent of speed-related fatal crashes occur there.

Missouri's trend is even more dramatic. In 1994 just 48 percent of speed-related traffic accidents in the state occurred on rural roads and highways, but three-quarters of the fatal speed-related traffic crashes occurred there.

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Second Quarter AmeriCorps Report

December 1 to March 31, 1994

Missouri SCS Rural Development, Flood Recovery Project

April 10, 1995

1. 0 members enrolled at time of September 12, 1994 launch.
 2. 12 members enrolled at end of second quarter (3/31/95).
 3. 6,199 hours second quarter community service - (8,579 hours total community service).
 4. 882 hours second quarter training - (1,576) hours total training for all AmeriCorps members.
 - 5, 6, & 7. Second quarter progress, primary accomplishments, and third quarter projections.
- 10 members received "Dealing With Conflict" training on 3/21/95
 - All 12 members attended NRCS All Employee Conference banquet, speaker: Regional Conservationist, Charles Whitmore. A meeting of both clusters was held the same morning.
 - Ross Braun, project director, participated in a meeting of AmeriCorps project directors from Missouri and Kansas.
 - Next Quarter: All 12 members will attend "Teambuilding" training with other national direct AmeriCorps projects in Missouri.

Objective 1: (David Snead) Develop one flood recovery resource notebook; identify most efficient and expedient cropland recovery techniques, assist with presentations and conference displays.

- * Member has changed from full-time to a part-time position (900 hours).
- * Training: Agricultural Engineering Orientation course, Dealing With Conflict, Soil Science 100 course.
- * Began gathering information on cropland flood recovery demonstration.
- * Completed first draft of resource notebook (includes member narratives and informational literature from all flood recovery agencies).
- * Next Quarter: Complete resource notebook; finish compiling summary of state demonstration projects; assist with measurement of draft requirements for deep plowing sand damaged areas; assist in development of paper for Missouri Water Quality Conference; follow-up on recovery sites where planning and technical assistance was provided by Extension Service contractor.

Objective 2: (Chris Fulcher) Develop a Decision Support System computer model for floodplain management for St. Charles County and other local governments.

- * Training: Dealing With Conflict course, NRCS luncheon, formal course on advance ArcView programming, attended 2 workshops: solving landowner problems and restoration of wetlands and riparian systems and clean water and agriculture, 5th Annual Missouri Water Quality Conference.

- * Acquired and learned essential software programs, ArcView and Avenue. They will be used as a base for the St. Charles Decision Support System (DSS).
- * Continued dialogue between local, state and federal contacts to obtain necessary GIS data. Incorporated data into DSS.
- * Wrote grants and received project funding from Greenway Network Inc. and the McKnight Foundation.
- * Participated in 3 public meetings regarding flood recovery efforts.
- * Next Quarter: Contact a cross-section of floodplain residents in St. Charles County and compile basic sociological data; receive field training from NRCS in order to compile field data for decision support system model. Training: Teambuilding workshop.
- * Training request: Meet with GIS specialist and others at SNTC, MNTC or Tech. Development personnel at Fort Collins.

Objective 3: (Tomi Stone) Compile flood plain management and water quality information and utilize GIS to provide information to communities and individuals regarding flood recovery.

- * Training: Dealing with conflict course, computer software - Lotus 123, Word Perfect, Lotus Freelance.
- * A survey of Missouri landowners affected by the flood is in the final stages of completion. Mailing lists have been developed. The survey focuses on the extent of physical damage, economic losses, and satisfaction with federal and state assistance programs.
- * Participated in Upper Mississippi River Flood Control Association Annual meeting and Missouri Forest, Fish, and Wildlife conference.
- * Next Quarter: Complete and compile flood survey. Assist University Extension staff to prepare flood related guide sheets. Assist technicians to gather field data on various sand revegetation projects. Requested overview training (basic primer) of state and federal government. Training: Teambuilding workshop.

Objective 4: (Brian Thomas) Provide adult education and technology transfer information for Emergency Wetland Reserve program participants and landusers interested in wetland development. Establish baseline data for wetland development studies.

- * Training: Forest, Fish, and Wildlife conference, Conflict management course, total station surveying, Eagle Point software program.
- * Printed and distributed quarterly EWRP newsletter.
- * Surveyed two additional wetlands.
- * 14 additional scour holes surveyed by the Army Corps of Engineers were entered into the database and maps generated.
- * Assisted with selection of additional sites for future expansion of the wetlands study project.
- * Next Quarter: Complete avian census and behavioral studies and begin analyzing. Requested training on wetland criteria and determinations. Training: Teambuilding workshop.

• **Objective 5: (Trish McCracken)** Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making.

- * Training: Dealing with conflict course, soils, urban & agricultural conservation practices, general office policy and organization.
- * Assembled wetland information for 7 landowners.
- * Produced and distributed directory of natural resource organizations.
- * Created display board for a 5 county conference on urban erosion and stormwater control, watershed management, and water quality improvement. 150 attended.
- * Developed a landowner list for small farms and hobby farmer survey.
- * Gave soil & water conservation presentations to 540 fourth, fifth, and sixth grade students.
- * Coordinating education fair to be held on May 3, 1995.
- * **Challenges:** County delays in razing flood-damaged buildings and utilizing AmeriCorps member assistance. Coordinating festival for 450 fifth grades students, teachers, parents, and volunteers.
- * Next Quarter: Complete natural resource festival; work with county government to provide information to buy-out lease participants; develop and distribute survey for small farms and hobby farmers; assist SWCD to develop flier for county libraries to announce Soil & Water Stewardship week. Training: Teambuilding workshop.

Objective 6: (Ed Gilmore) Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision making.

- * Training: measuring gully erosion, pasture and hayland improvement, wetlands restoration, and non-point pollution - conducted by NRCS field, area and state office staff.
- * Gave presentation to over 200 students at 7 schools.
- * Worked with 7 landowners towards development of the Osage and Cole County Pasture & Hayland Management guide manual.
- * Surveyed on Cletus Schellman's farm for wetland restoration project.
- * Next Quarter: Complete Pasture & Hayland manual; complete work on Cletus Schellman's wetland restoration.

Objective 7: (Chris Clay) Provide information and guidance to landowners and producers concerning flood recovery and natural resource management decision-making.

- * Training: Conservation contractor workshop, cultural resources training, Dealing with Conflict course.
- * Completed 60 percent of flood retarding dam maintenance.
- * Collected 40 percent of soils data needed for water quality needs evaluation.
- * Assisted 3 landowners with Emergency Watershed Protection (EWP) project.
- * Assisted Elsberry Drainage District with flood recovery surveying.
- * Next Quarter: Assist SWCD and CCMW subdistrict with annual watershed inspections; continue soil data collection (to 70 percent level); assist Water Resources Staff with interviews and flood plain inventory for Elsberry Flood Plain

Management study. Training: Teambuilding & Community Communication workshop, CPR.

Objective 8: (Slade Baker) Assist sponsors to complete 27 dam safety reports and perform maintenance on 99 floodwater retarding dams.

- * Training: AmeriCorps, NRCS and SWCD policy and procedures; Lafayette County Watershed subdistrict role and responsibilities, floodwater retarding dam maintenance.
- * Completed brush removal on 3 dams and seeded and mulched areas on four dams.
- * Next Quarter: Continue watershed dam inspections, maintenance, and dam reports.

Objective 9: (Jeff Grethen) Provide flood recovery, water quality, and soil conservation assistance to landowners, producers, and local sponsors.

- * Training: Forest, Fish, and Wildlife conference, Surveying, sand surveying grid layout, computer hardware and software, ATV, office procedures, field radio communication equipment, Dealing with Conflict course.
- * Assisted 15 landowners to survey and map sand deposits from '93 flood.
- * Next Quarter: Assist watershed subdistrict to complete maintenance (brush 7 debris removal) from 22 floodwater retarding dams; assist landowners to make livestock waste management decisions. Training: Teambuilding workshop.

Objective 10: (Nettie Rummel) Develop a 319 Water Quality Project proposal and provide information and guidance to landowners and producers concerning flood recovery and natural resource management decision-making.

- * Training: Forest, Fish, and Wildlife conference, Dealing with Conflict course, rotational grazing workshop, prescribed burn workshop.
- * Prepared watershed soil and land use maps for the Miami Creek 319 Water Quality Project proposal.
- * Developed landuser mailing list for the Miami Creek Water Quality Project.
- * Updated conservation plans for 40 landowners.
- * Next Quarter: Assist agency personnel to compile the Miami Creek water quality grant; update conservation plans for 200 landowners. Training: Teambuilding workshop.

Objective 11: (Daniel Holt) Provide information and guidance to landusers concerning flood recovery and natural resource management decision-making.

- * Training: Dealing with Conflict course.
- * Completed sand mapping for 6 farms, 600 acres.
- * Next Quarter: Assist landusers in Cooper county concerning flood recovery efforts. Training: Teambuilding workshop.

Objective 12: (Tom Parkinson) Assist the Moniteau Creek Watershed sponsors to implement a PL-566 flood and erosion control project and assist landusers with flood recovery and wetland reserve program concerns.

- * Assisted sponsors and landowners to implement flood protection recovery on 10 EWP projects.
- * Provided land treatment assistance and certification for 5 floodwater retarding dam sites.
- * Completed drainage area determinations for all 91 watershed project dams.
- * Next Quarter: Provide land treatment assistance on the remaining 31 floodwater retarding dam sites; complete remaining flood protection recovery through EWP.

6. Additional Accomplishments:

All the members and site supervisors attended an the NRCS Missouri All-Employees conference luncheon with Charles Whitmore, acting Regional Conservationist. All members met to discuss accomplishments, goals and future training. Published news releases and reports are included with this report.

7. Next Quarter:

All members will participate in Missouri or National "Day of Service" activities in Jefferson City, Kansas City, or St. Louis. The

Training to be provided all members:

- Teambuilding and Community Communications workshop.

8. Media Coverage:

Copies of published articles not previously sent to NHQ are included.

9. Other:

A significant number of people from our agency, other agencies, and the public have complimented us on the high caliber of our AmeriCorps members. Most members have given informal presentations on AmeriCorps and their involvement at public meetings, agency meetings, and multi-agency meetings.

**CORPORATION FOR NATIONAL SERVICE
COMMUNITY SERVICE OBJECTIVES**

Grantee: United States Department of Agriculture
Site 11: USDA-SCS, Marshall Field Office
(One Rural Development position serves Saline, Cooper, & Moniteau Counties.)
Western Cluster
Supervisor: Steve Wooden, District Conservationist
Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making and maintain compliance with federal programs.

COMPONENTS OF OBJECTIVE STATEMENTS:

- 1) **Work activities:**
Provide flood recovery and soil conservation assistance to landowners, producers, and local sponsors.
Provide information and support for landusers to make natural resource decisions and comply with federal and state programs.

Survey and map sand deposits resulting from the flood of '93. Update floodplain maps in order to provide federal program compliance guidance to landusers.
- 2) **Results:**
Complete sand deposit maps on approximately 10 farms and 1,000 acres in order to provide flood recovery guidance to landowners and producers.
- 3) **Measuring quality:**
Supervisor and other professionals' review of data and reports.
All maps, determinations, and recommendations will be made according to federal standards.
- 4) **Standards of success:**
Landuser records are updated as projected. All records meet federal guidelines and requirements. All goals are met as described in item 2.
- 5) **Benefits:**
Provide support information and guidance to landowners and producers to comply with federal program regulations and implement water quality improvement systems.
Assist at least 20 landusers concerning sand deposits.
Assist at least 3 producers to plan and implement animal waste management systems.

**CORPORATION FOR NATIONAL SERVICE
COMMUNITY SERVICE OBJECTIVES**

Grantee: United States Department of Agriculture
Site 7: USDA-SCS, Troy Field Office (One Rural Development position)
Eastern Cluster
Supervisor: Mark Krueger, District Conservationist
Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making and maintain compliance with federal programs.

COMPONENTS OF OBJECTIVE STATEMENTS:

1) Work activities:

Assist landusers to make flood recovery and soil conservation decisions.

Investigate and inventory floodplains and wetlands to assist landowners, producers, and sponsors concerning emergency programs and federal program compliance.

Document field data on aerial photos and computer databases, and provide copies to landowners, producers, and USDA personnel.

Assist the community watershed sub-district to repair damages to flood control structures.

Identify soils, number of farmers, and number of farmers with livestock for future county and SWCD water quality initiatives.

2) Results:

Assist the sponsors of two PL-566 flood control projects to perform operation and maintenance inspections and repairs to 22 erosion and flood control dams.

Develop a social, land use, and economic database, with assistance from NRCS Water Resources Staff, for a proposed PL-566 project in Elsberry, Missouri. Proposal involves limited resource landowners and senior citizens.

Rank by hydrologic unit the highest water quality needs for animal waste management systems for the county water quality plan.

3) Measuring quality:

Supervisor and other professionals' review of data and reports.

4) Standards of success:

Landuser records are updated as projected. All records meet federal guidelines and requirements.

Completed PL-566 flood control structures are repaired as needed and as specified in the National Watershed Manual.

Data compiled for the Elsberry flood control project is according to SCS Principles and Guidelines, for use by the Water Resources Planning Staff.

5) Benefits:

Provide background information and guidance to landusers to make flood recovery and soil conservation decisions. Produce adult education materials in order to reduce future flood damage risks.

Assist the Elsberry, Missouri sponsors to develop a social and economic database for a proposed PL-566 project.

**CORPORATION FOR NATIONAL SERVICE
COMMUNITY SERVICE OBJECTIVES**

Grantee: United States Department of Agriculture
Site 6: USDA-SCS, Jefferson City Field Office
(One Rural Development position serves Cole, Osage, & Fulton Counties.)
Eastern Cluster
Supervisor: Gary Van de Velde, District Conservationist
Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making and maintain compliance with federal programs.

COMPONENTS OF OBJECTIVE STATEMENTS:

- 1) **Work activities:**
Assist landusers to make flood recovery and soil conservation decisions.
Investigate and inventory floodplains and wetlands to assist landowners, producers, and sponsors concerning emergency programs and federal program compliance. Document field data on aerial photos and computer databases, and provide copies to landowners, producers, and USDA personnel.
Develop "canned" presentation and present at 23 schools in 3 counties.
Assist Area Biologist with Forestry Stewardship Program.
- 2) **Results:**
Complete and field validate floodplain inventories for at least 300 tracts of land.
Assist producers by providing updated information as needed by USDA agencies.
Assist with development of an informational brochure on pasture and hayland management for approximately 2,000 cattle producers.
Interview at least 25 landusers in order to assess the needs for animal waste systems in a watershed designated for a "319" water quality proposal.
Provide information for the EWRP study site in Cole County.
Assist at least 75 landusers to make natural resource decisions and utilize the state and federal cost-share incentive programs.
- 3) **Measuring quality:**
Supervisor and other professionals' review of data and reports.
- 4) **Standards of success:**
Landuser records are updated as projected and meet federal guidelines and requirements.
Publication of viable, practical forage management guide.
Water quality project is thoroughly developed, submitted to DNR, and funded by EPA.
- 5) **Benefits:**
Produce an information brochure on forage management for approximately 2,000 cattle producers.
Provide background information and guidance to at least 300 producers concerning flood recovery and soil conservation decisions.
Assist local sponsors to accelerate planning on a "319" water quality project.

**CORPORATION FOR NATIONAL SERVICE
COMMUNITY SERVICE OBJECTIVES**

Grantee: United States Department of Agriculture
Site 5: USDA-SCS, St. Charles Field Office (One Rural Development position)
Eastern Cluster
Supervisor: Renee Cook, District Conservationist
Objective: Provide information and guidance to landowners and producers in order to assist in flood recovery and natural resource management decision-making and maintain compliance with federal programs.

COMPONENTS OF OBJECTIVE STATEMENTS:

- 1) **Work activities:**
 - Assist landusers to make flood recovery and soil conservation decisions.
 - Investigate and inventory floodplains and wetlands to assist landowners, producers, and sponsors concerning emergency programs and federal program compliance.
 - Develop and distribute to the public a directory of natural resource management government agencies and other appropriate organizations.
 - Assist landusers appealing wetland determinations.
 - Compile informational materials for landusers interested in natural resource improvement and maintenance.
- 2) **Results:**
 - Assist producers by providing updated information as needed by USDA agencies.
 - Complete and field validate flood plain inventories as requested by landowners. Assist with sand mapping, deep plowing reclamation, yield measurements, and other follow-up data as requested by landowners and producers.
 - Identify and assess the needs of limited resource farmers and hobby farmers in the county. Review existing records of 300 farmers, update records, and administer an appropriate questionnaire.
 - Compile and distribute flood revegetation information packets.
 - Coordinate a natural resources education fair and assist with educational presentations to local students.
- 3) **Measuring quality:**
 - Supervisor and other professionals' review of data and reports.
 - All work meets federal guidelines and requirements.
- 4) **Standards of success:**
 - Establishment of limited resource and hobby farmer mailing lists.
 - Landuser records are updated as projected.
- 5) **Benefits:**
 - Provide background information and guidance to landusers, on at least 300 tracts of land, to make flood recovery and soil conservation decisions.
 - Assist with current flood recovery efforts and produce adult education materials in order to reduce future flood damage risks.

**CORPORATION FOR NATIONAL SERVICE
COMMUNITY SERVICE OBJECTIVES**

Grantee: United States Department of Agriculture
Site 1: UMC - Agricultural Engineering (One Rural Development position)
Supervisor: Dr. Willard Downs
Objective: Provide adult education and technology transfer of crop production information to landowners and producers in the Missouri and Mississippi River floodplains that were affected by the Great Flood of 1993. This is a cooperative effort with the FAPRI, CARES, and Emergency Wetland Reserve Program floodplain management projects.

*Changed to part-time
900 hrs. total service*

COMPONENTS OF OBJECTIVE STATEMENTS:

- 1) **Work activities:**
Identify one watershed and evaluate quality of reclamation efforts on '93 flood, study sites. Determine success of sand incorporation through all possible methods (deep plow, disk-plow, tandem disk, offset disk, etc. Assemble adult education materials relating to current and future flood recovery needs.
- 2) **Results:**
Assist in the development of a guide for farmstead hazardous materials in the 100-year flood plain. Compile a resource notebook for producers that will be distributed by Extension Service offices. Assist with presentation of flood recovery successes and problems at the Missouri Water Environment Association Conference ("Reclamation of Missouri Flood Sand Deposits Using Bio-solids and Animal Waste" and "Power Measurements of Deep Plowing Equipment." Assist with development and display of flood recovery booth at fall Extension Service Conference.
Provide base support for a continuing study.
Identify the most efficient and expedient cropland flood recovery techniques.
- 3) **Measuring quality:**
Supervisor's, UMC Ag. Engineering and Soils staff will review resource notebook for accuracy and completeness. 2-15 sites, at least 4 seasonal visits per site).
Interviews and supervisor's appraisal of viability and practicality of options determined by working with at least 15 farmers about flood recovery needs and results of restoration.
- 4) **Standards of success:**
Peer and supervisor review of documents produced.
Long-term (3 to 5 years) adoption of recommended techniques.
Provide field and office support for a USDA - Extension Service study (5-year potential) of flood recovery results and future needs relating to crop production.
20 Extension Specialists utilize resource materials in regular service programs.
- 5) **Individuals benefitting**
Over 1,000 landowners and producers on over 200,000 acres of cropland in the Missouri and Mississippi River floodplains. (Information provided to the public through all Missouri Extension Service offices.

**CORPORATION FOR NATIONAL SERVICE
COMMUNITY SERVICE OBJECTIVES**

Grantee: United States Department of Agriculture
Site 3: UMC/FAPRI (Food & Agriculture Policy Research Institute)
(One Rural Development Position)
Eastern Cluster
Supervisor: Dan Cassidy, Co-director.
Objective: Compile floodplain management and water quality information and utilize Geographic Information Systems (GIS) and provide information to communities and individuals regarding recovery from the Great Flood of 1993 and future floodplain management. This is a cooperative effort with the CARES, Emergency Wetland Reserve Program, and Agricultural Engineering floodplain management projects.

COMPONENTS OF OBJECTIVE STATEMENTS:

- 1) **Work activities:**
Obtain background data through field visits and through interviews with producers, landowners, university extension specialists, and representatives of other agencies. This project includes securing background data in at least 5 counties. Additional duties include entering data in computer models and analyzing reports produced by the models.
- 2) **Results:**
Assist at least 2 agricultural communities (St. Charles and Boonville) to identify existing agronomic and economic problems. Assist FAPRI to produce at least two reports that address federal programs (EWRP, CRP, EWP, ECP, etc.), community economics, and land use alternatives.
Provide computer model, database support for other flood plain management studies.
Conduct a large scale survey of landowners in the 100-year flood plain and provide summaries of the survey to county commissions, mayors of towns and cities in the flood plain, Missouri Farm Bureau, CPFA, NRCS, Missouri and National commodity groups (National & Missouri Corn Growers Association, National & Missouri Soybean Association, etc.), Missouri Congressional Delegation, and other interested parties.
- 3) **Measuring quality:**
Supervisor and other professionals' review of data and reports.
Utilize existing standards of peer and multi-agency review process.
- 4) **Standards of success:**
Sufficient quantity and compatibility of data with computer models.
Production of viable and practical reports.
- 5) **Benefits:**
Provide adult education and technology transfer information for over 1,000 landowners and producers on over 200,000 acres of cropland in the Missouri and Mississippi River floodplains. Information provided to the public through University Extension and NRCS offices.

**CORPORATION FOR NATIONAL SERVICE
COMMUNITY SERVICE OBJECTIVES**

Grantee: United States Department of Agriculture
Site 12: USDA-SCS, Fayette Emergency/Watershed Project Office
(One Rural Development position)
Western Cluster
Supervisor: Brent Cary, Project Engineer
Objective: Assist community leaders and watershed sub-district trustee to implement a PL-566 Watershed Protection Project.
Assist landowners interested in wetland reserve and state wetland acquisition programs.

COMPONENTS OF OBJECTIVE STATEMENTS:

- 1) **Work activities:**
Provide flood recovery and soil conservation assistance to landowners, producers, and local sponsors.
Survey wetland areas as requested by landowners and the Missouri Department of Conservation.
- 2) **Results:**
Assist the Moniteau Creek Watershed Project sponsors to implement a flood and erosion control project by surveying sites and documenting land treatment needs and decisions for 30 floodwater retarding dams.
- 3) **Measuring quality:**
Supervisor and other professionals' review of data and reports.
All reports and communication will meet federal guidelines and requirements.
- 4) **Standards of success:**
Land treatment certified for 30 floodwater retarding dams.
Potential wetland development sites (12) surveyed as needed by landowners and MDC.
- 5) **Benefits:**
Document existing and planned land treatment activities on 200 farms; includes wildlife habitat appraisals, wetland determinations, and prediction of soil erosion rates.

Assist the Moniteau Creek Watershed Project subdistrict to implement a PL-566 Flood and Erosion control project.



MEDIA ASSESSMENT

1. NATIONAL IDENTITY ACTIVITIES THIS QUARTER

None

2. MEDIA COVERAGE

MS

3. OTHER CREATIVE DOCUMENTATION

Awards by Sen. Thad Cochran (R-MS) at R&D Annual Meeting (8-17-95)

Sen. Cochran merely handed out awards ^{for R&D Council} ~~to~~

~~*[scribble]*~~

ELIZABETH,

12-16-95

MY KEY WILL NOT OPEN THE
TOP LOCK TO THIS DOOR, SO I
COULD NOT GET IN ~~THE~~ FINISH
CLEARING OUT MY DESK. I WILL
MOST DEFINITELY NOT BE ABLE
TO DO SO UNTIL THE NEW
YEAR NOW. IF YOU ARE SO IN-
CLINED, YOU HAVE MY PERMIS-
SION (AS IF YOU NEEDED IT) TO
FINISH THE JOB YOU STARTED.
I HAVE LEFT 2 EMPTY XEROX
BOXES IN DAVE'S OFFICE FOR THIS
PURPOSE. RONNIE D. HAS THE
KEY IF YOU DO NOT.

Jim



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

Suite 1321, Federal Bldg.
100 West Capitol Street
Jackson, MS 39269

Subject: Submission of AmeriCorps Fourth Quarter Reports

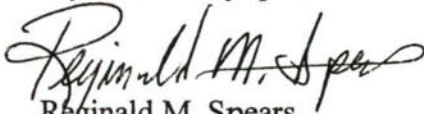
Date: October 10, 1995

To: Paula Cole Jones
Program Manager
Community Assistance and Resource
Development Division
NRCS, Washington, DC

File Code:

Attached are the AmeriCorps Fourth Quarter Reports for Mississippi - one consolidated State report along with copies of all operating site quarterly reports, as requested.

If you have any questions or need additional information, please let me know.


Reginald M. Spears
Project Director

Attachments

**AMERICORPS
4th QUARTER REPORT
July - September 1995
MISSISSIPPI
9/29/95**

SITE INFORMATION

Tupelo

Site ID#	Cluster #2
Your Name	Robert L. Jordan
Your Position	Northeast Mississippi RC&D Coordinator
Telephone Number	(601) 841-0322
FAX Number	(601) 844-4465
e-mail Address (if avail.)	--
Program Start-up Date	September 26, 1994

Grenada

Site ID#	Cluster #2
Your Name	Larry Parker
Your Position	AmeriCorps
Telephone Number	(601) 226-5656
FAX Number	(601) 226-8727
e-mail Address (if avail.)	--
Program Start-up Date	September 26, 1994

New Albany

Site ID#	Cluster #2
Your Name	Amy Belford
Your Position	AmeriCorps
Telephone Number	(601) 534-7651
FAX Number	(601) 534-3242
e-mail Address (if avail.)	--
Program Start-up Date	September 26, 1994

Pearl

Site ID#	Cluster #3
Your Name	Lori Stewart
Your Position	AmeriCorps\Public Relations
Telephone Number	(601) 965-4559
FAX Number	(601) 965-5734
e-mail Address (if avail.)	ms0201/lhs
Program Start-up Date	August 26, 1994

Brookhaven Field Office

Site ID#	Cluster #3
Your Name	Bennie Hutchins
Your Position	RC&D Coordinator
Telephone Number	(601) 833-5539
FAX Number	(601) 835-0054
e-mail Address (if avail.)	--
Program Start-up Date	September 12, 1994

Monticello

Site ID#	Cluster #3
Your Name	Bennie Hutchins
Your Position	RC&D Coordinator
Telephone Number	(601) 833-5539
FAX Number	(601) 835-0054
e-mail Address (if avail.)	--
Program Start-up Date	September 12, 1994

Brookhaven Area Office

Site ID#	Cluster #3
Your Name	Bennie Hutchins
Your Position	RC&D Coordinator
Telephone Number	(601) 833-5539
FAX Number	(601) 835-0054
e-mail Address (if avail.)	--
Program Start-up Date	September 12, 1994

Magnolia

Site ID#	Cluster #3
Your Name	Bennie Hutchins
Your Position	RC&D Coordinator
Telephone Number	(601) 833-5539
FAX Number	(601) 835-0054
e-mail Address (if avail.)	--
Program Start-up Date	September 12, 1994

Liberty

Site ID#	Cluster #3
Your Name	Bennie Hutchins
Your Position	RC&D Coordinator
Telephone Number	(601) 833-5539
FAX Number	(601) 835-0054
e-mail Address (if avail.)	--
Program Start-up Date	September 12, 1994

Hattiesburg

Site ID#	Cluster #3
Your Name	Margaret C. Ward
Your Position	Coordinator for the SE MS Tourism Association
Telephone Number	(601) 545-2753
FAX Number	(601) 583-2424
e-mail Address (if avail.)	--
Program Start-up Date	September 12, 1994

FULL-TIME MEMBER INFORMATION

10

0

10

5,939

4,175.5

15,762

0

0

Q

Q

C

Q

VOLUNTEER ASSESSMENT

Non-AmeriCorps member volunteers

Total number of non-AmeriCorps Volunteers: 74
involved in AmeriCorps service activities in
this quarter

Total hours of AmeriCorps service activities: 644
completed by non-AmeriCorps Member volunteers
in this quarter

SIGNIFICANT CHANGES THIS QUARTER

1. Staff changes made this quarter:
One member assigned part-time to work on rural fire protection.

2. Program structural changes made this quarter:

None

Number of members who have left national service this quarter. 10

Total-to-date 0

Number of members who have gained employment through their
AmeriCorps service. 2

Number receiving health insurance from NRCS _____

Number receiving child care through AmeriCorps _____

Number of children _____

Number w/disabilities _____

BUDGET INFORMATION

Federal dollars spent on AmeriCorps (local level only)

Project manager completes this section.

Percent of your time spent on AmeriCorps	<u>3-15%</u>
Approximate dollar amount	\$ <u>17,482</u>
Cost for any other federal employee spending time on AmeriCorps	\$ <u>1,600</u>
Travel costs for members and managers	\$ <u>2,400</u>
Training costs	\$ <u>260</u>
Supplies	\$ <u>325</u>
Uniform costs	\$ <u>0</u>
Program costs (Please explain what these costs were.)	\$ <u>0</u>

Partner dollars spend on AmeriCorps

Supplies	\$ <u>4,400</u>
Travel	\$ <u>300</u>
Training	\$ <u>160</u>
Program costs	\$ <u>0</u>
Other	\$ <u>0</u>

Project Director Costs (one per state - above site level costs only). Do NOT include any costs already captured by the project manager.

Federal dollars spent on AmeriCorps

Percent of your time spent on AmeriCorps	<u>15%</u>
Approximate dollar amount	\$ <u>8,000</u>

Cost for any other federal employee spending time on AmeriCorps	\$ <u>10,000</u>
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Travel costs for members and managers	\$ <u>4,000</u>
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Training costs	\$ <u>1,000</u>
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Supplies	\$ <u>500</u>
----------	---------------

Uniform costs	\$ <u>0</u>
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Program costs (Please explain what these costs were.)	\$ <u>0</u>
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Non-federal Funds Spent (Explain)	\$ <u>0</u>
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OBJECTIVES

Objective: Rural Fire Protection

Progress towards meeting

Grants were received from the Mississippi Forestry Commission for the installation of a demonstration dry hydrant in Northeast Mississippi, 6 dry hydrants in Pontotoc County, and 6 dry hydrants in Tate County.

The level of community awareness of the use of surface water for fire fighting purposes increased significantly in Northeast Mississippi.

Each participating county was provided GIS planning maps with color-coded fire districts and potential water sources.

Seven thousand five hundred information brochures on the dry hydrant were developed and distributed to promote community awareness.

Assistance was provided by AmeriCorps members in the development of a Master Fire Plan that states county goals and objectives for rural fire protection in Benton, Marshall, Pontotoc, Panola, Tippah, DeSoto, Lafayette, Tate, and Union Counties.

Objective: Improve fire protection with dry hydrants

AmeriCorps member assisted in applying for Grants in Holmes and Tallahatchie Counties for installation of dry hydrants.

Grant received to install six dry hydrants as a demonstration project in Grenada County.

Holmes County has an active drainage district, Black Creek Watershed, that is constructing a floodwater retarding structure next to a 400-unit subdivision that is also under construction. The drainage district has agreed to install a dry hydrant and a road for the local fire fighting vehicles to use during emergencies.

Tallahatchie County has qualified for the Empowerment Zone, which makes it easier for obtaining grants to secure the installation of dry hydrants. Application to the Board of Supervisors are being developed for funds to implement this project.

Objective: To identify alternative water sources for rural fire protection in the 13-county area.

Progress towards meeting this community service objective

One hundred signs were ordered and received for identifying alternative water supply sites in Amite, Marion and Lawrence Counties.

Jefferson Davis County is in process of completing installation of a demonstration dry hydrant.

Follow-up work done with six counties.

Objective: To recruit and train volunteers for Adopt-A-Stream program.

Progress towards meeting this community service objectives

During the service year, 12 volunteers were recruited. All attended an intensive three-day workshop for training and certification. Six streams have been adopted for monthly and quarterly testing and reporting on biological, chemical, and physical parameters.

Objective: To provide economic development through secondary forest products manufacturing and marketing

Progress towards meeting this community service objective

AmeriCorps member worked with three entrepreneurs to provide information required for adequate business plan in secondary forest projects processing.

Continued to work with small group of woodworkers interested in forming a South Mississippi Woodworkers Association.

At a working/planning meeting, 20+ forest products and community leaders assisted by the AmeriCorps member developed a "10-Point Plan" for promoting the manufacturing and marketing of secondary forest products in Southwest Mississippi at a July meeting.

Objective: To assist landowners in renovating older animal (livestock) waste management lagoons by pumping wastes onto cropland or grassland.

During the year, 11 animal waste lagoons were renovated by agitation and pumping of effluent onto grassland or cropland.

Animal waste management plans were also prepared on the above farms plus three farms that are on the waiting list for the equipment. Five other farms are on the waiting list for preparation of management plans prior to using the equipment.

This year's project did not get involved with poultry dead-bird composters as was originally intended due to the amount of time required by the lagoon pump-out project.

Objective: To provide conservation education packages to elementary school statewide.

Progress towards meeting this community service objective.

Two hundred schools were provided with Environmental Awareness (Natural Resources Conservation Education) packages.

Objective: To support the other four AmeriCorps members in this cluster site on any aspect of their project needing computer assistance or public relations support.

Progress towards meeting this community service objective.

Assistance was provided weekly to other AmeriCorps projects on news releases, database maintenance, etc.

Objective: To inform general public and rural development partners of the RC&D program and ongoing activities.

Progress towards meeting this community service objective.

AmeriCorps member edited, published and distributed 400 copies of an eight-page newsletter.

Objective:

Develop an inventory of the 18 member counties

Progress towards meeting this community service objectives

Twelve counties have completed the inventory of their tourism assets. Three coastal counties are scheduled to be inventoried during the month of July. The last three counties have been contacted and we are awaiting their reply. Thus far, these final three counties need to show interest in tourism as they have been repeatedly contacted and failed to respond.

Objective:

Develop a regional tourism brochure

Progress towards meeting this community service objectives

The regional tourism brochure is well underway. A grant from the state tourism development office has been applied for and we are awaiting a response in late July as to the status of that grant. Included in the grant application is a listing of the bids that were received in regards to the particular brochure being printed.

Objective:

Development and distribution of a bimonthly newsletter

Progress towards meeting this community service objectives

The SMTA news has been distributed every two months beginning in January of 1995. This is a two-page newsletter including such items as a current events section, a letter from the president of SMTA, and a feature organization where we highlight the attractions of one member per newsletter. Several members have made positive comments on the newsletter.

Objective:

Develop and coordinate a regional tourism conference

Progress towards meeting this community service objectives

A regional tourism conference was held May 25, 1995. approximately 55 participants attended to conference, about half of those attending were not members of SMTA. This implies that publicity regarding the conference reached the general public. Mr. Gale Trussel of the Tennessee Valley Authority was the featured speaker. Barbie Russum, Grants Coordinator for the Mississippi Department of Economic and Community Development, Tourism Division, also spoke on the state's role in tourism.

Objective:

Education of students on environmental education--slide program, resource guide, fact sheets, Rankin County Trail

Progress towards meeting this community service objectives

A resource guide has been completed and will be given to teachers after printing of the document. We hope it will reach a lot of teachers and several thousand students.

A slide program has been completed of a youth camp sponsored by Mississippi Soil and Water Conservation Commission. We hope this program, which will be transferred to video, can be used to encourage others and demonstrate how agriculture can be taught in a fun way.

Fact sheets have been drawn up for the Simmons Arboretum showing the train boundaries and specific trees along the trail. The information was drawn up on a drawing program called EazyCad2. The sheets will be distributed to students visiting the arboretum on field trips, etc. The Rankin County Trail is now completed and ready for classroom visits. Articles have been written about work days and accomplishments. Articles are enclosed. It will be published in the upcoming RC&D newsletter.

PRIMARY ACCOMPLISHMENTS

Member Development: Progress made in boosting the personal development of members.

The AmeriCorps members have received training in self esteem, communication, learning and team activities, and goal setting, which will increase job effectiveness. This training can be used in all interpersonal situations--at home, as well as at work. The training and experience received has enhanced the members' abilities and heightened job performance in preparation for future job opportunities.

Progress made in meeting your community service objectives.

Grants were received for installation of demonstration dry hydrants. Information brochures on the dry hydrant were developed and distributed to promote community awareness.

The AmeriCorps person has worked with four county volunteer fire coordinators in taking advantage of "natural water sources" for fire fighting. All of these communities have a number of privately-owned ponds, lakes, and streams that could be used, with permission, as fill-up ponds.

An additional benefit to citizens where dry hydrants have been properly used is in the reduction of the fire classification for fire insurance.

A water quality database is being established from data collected and submitted by volunteers on six streams.

Through AmeriCorps, the Southeast Mississippi Tourism Association has made several steps forward. Over the past year some of the accomplishments include: tripled SMTA memberships, publicity both on television and in the newspapers, and SMTA involvement in community support and activities.

A forest products advisory committee was formed to oversee the application of the 10-Point Plan for promoting the manufacturing and marketing of secondary forest products.

The farming community and the general public were made more aware of environmental concerns facing farmers and of the positive reactions from farmers in general toward addressing these water quality concerns when presented with viable alternatives such as the livestock waste utilization project.

Elementary school teachers in 200 schools empowered to do a better job in teaching conservation education.

Other Accomplishments

Groundwork was laid with local schools to get vocational agriculture students involved in conducting environmental evaluations on farms and homesteads using Farm-Asyst and Home-Asyst evaluations available through the Cooperative Extension Service.

Draft plan prepared for an Adopt-A-Watershed project using Farm-A-Syst and Home-A-Syst environmental evaluation check sheets and involving youth groups, especially high school vo-ag classes to carry out. A \$500 grant received from MP&L (Entergy Corp.) to implement.

Unique Successes or "Great Stories":

The AmeriCorps-directed Conservation Education Project received a national award from the Soil and Water Conservation Society of America during its annual meeting in Iowa in August, 1995.

PRIMARY CHALLENGES

Nature of Problem

Lack of financial cost-share funds as an incentive for limited-resource farmers to get involved in using the pumpout/waste utilization system.

Has the Problem Been Resolved? No.

If no, What steps have been taken to resolve the problem?

None. It's in the hands of local committee for CFSA program.

Nature of Problem

The volunteer Adopt-A-Stream project still continues to be limited by limitations on funds and on number of volunteer training workshops being offered within the State.

Has the Problem Been Resolved? No.

No steps taken to resolve problem.

What do you see as the solution or resources needed to resolve this problem?

No quick solution, except more workshops needed. Not likely to happen due to limitations on state funding for workshops.



4th AMERICORPS
QUARTER REPORT

SITE INFORMATION

Operating Site name:

Magnolia

State:

MS

Site ID #

Your Name:

Bennie Hutchins

Your Position:

RC+D Coordinator

Telephone number:

601-833-5539

Fax number:

601-835-0054

e-mail address
(if available)

Date report completed

9-25-95

Reporting Period:

7-1-95 through 9-30-95

Program Start-up date:

9-12-~~95~~ 94



PART-TIME MEMBER INFORMATION

NA

Number of Members authorized:

Environmental Corps Members: _____
Rural Development Corps Members: _____

Number of Members enrolled at end of quarter:

Environmental Corps Members: _____
Rural Development Corps Members: _____

Number of Members at beginning of quarter:

Environmental Corps Members: _____
Rural Development Corps Members: _____

Total Hours of Direct Service for previous Quarter: _____

Environmental Corps Members: _____
Rural Development Corps Members: _____

Total Hours of Direct Service for this Quarter:

Environmental Corps Members: _____
Rural Development Corps Members: _____

Total Hours of Direct Service to date:

Environmental Corps Members: _____
Rural Development Corps Members: _____



SIGNIFICANT CHANGES THIS QUARTER

1. Staff changes made this quarter:

None

2. Program structural changes made this quarter:

None

Number of Members who have left National Service
this quarter.

1

Total-to-date

1

Number of Members who have gained employment thru their
AmeriCorps Service

0



BUDGET INFORMATION

Federal dollars spent on AmeriCorps (Local Level Only)

Project Manager completes this section

Per cent of your time spent on AmeriCorps
Approximate dollar amount

15
7,500

Cost for any other Federal employee spending
time on AmeriCorps

500

Travel costs for Members & Managers

50

Training costs

-

Supplies

-

Uniform costs

-

Program Costs

-

(Please explain what these costs were.)

Partner dollars spent on AmeriCorps

Supplies

2,000

Travel

-

Training

-

Program Costs

-

Other

-

Objectives Section

Objective: (state objective)

To provide economic development opportunities through secondary forest products manufacturing and marketing

Progress towards meeting this community service objectives

Results of CRP incentive program survey indicated that less than 50% of respondents were interested, so that objective was shelved, at least temporarily.

AmeriCorps member worked with 3 entrepreneurs to provide information required for adequate business plan, all in secondary forest products processing.

Continued to work with small group of woodworker interested in forming a South Miss. Woodworkers Association.

A working/planning meeting of 20+ forest products and community leaders assisted by the AmeriCorps member developed a "10-Point Plan" for promoting the Manufacturing and marketing of secondary forest products in Southwest Miss. at a July meeting.

(complete this sheet for each objective)



PRIMARY ACCOMPLISHMENTS

1. **Member Development:** Progress made in boosting the personal development of members.

None additional; except on-the-job experience in varied new and demanding situations.

2. **Community Building:** Progress made in meeting your community service objectives.

A forest products advisory committee was formed to oversee the application of ~~the~~ 10-point plan (preceeding page).



3. Other Accomplishments:

4. Unique Successes or "Great Stories":



TRAINING ASSESSMENT

PRIMARY TRAINING AND TECHNICAL ASSISTANCE NEEDS

Please specify precisely what kind of staff or Member training or other technical assistance can be provided by USDA, the Corporation for National and Community Service, or other sources to improve your project.

None



4th AMERICORPS
QUARTER REPORT

SITE INFORMATION

Operating Site name:

Liberty

State:

MS

Site ID #

Your Name:

Rennie Hutchins

Your Position:

RC+D Coordinator

Telephone number:

601-833-5539

Fax number:

601-835-0054

e-mail address
(if available)

Date report completed

9-25-95

Reporting Period:

July 1 - Sept 30, 1995

Program Start-up date:

10-1-94



PART-TIME MEMBER INFORMATION

NA

Number of Members authorized:

Environmental Corps Members: _____
Rural Development Corps Members: _____

Number of Members enrolled at end of quarter:

Environmental Corps Members: _____
Rural Development Corps Members: _____

Number of Members at beginning of quarter:

Environmental Corps Members: _____
Rural Development Corps Members: _____

Total Hours of Direct Service for previous Quarter: _____

Environmental Corps Members: _____
Rural Development Corps Members: _____

Total Hours of Direct Service for this Quarter: _____

Environmental Corps Members: _____
Rural Development Corps Members: _____

Total Hours of Direct Service to date: _____

Environmental Corps Members: _____
Rural Development Corps Members: _____



SIGNIFICANT CHANGES THIS QUARTER

1. Staff changes made this quarter:

None

2. Program structural changes made this quarter:

None

Number of Members who have left National Service
this quarter.

1

Total-to-date

1

Number of Members who have gained employment thru their
AmeriCorps Service

0



BUDGET INFORMATION

Federal dollars spent on AmeriCorps (Local Level Only)

Project Manager completes this section

Per cent of your time spent on AmeriCorps

Approximate dollar amount

3
1500

Cost for any other Federal employee spending
time on AmeriCorps

-

Travel costs for Members & Managers

-

Training costs

-

Supplies

-

Uniform costs

-

Program Costs

-

(Please explain what these costs were.)

Partner dollars spent on AmeriCorps

Supplies

2,000

Travel

-

Training

-

Program Costs

-

Other

-



Objectives Section

Objective: (state objective)

To identify alternative water sources for rural fire protection in the 13-county area.

Progress towards meeting this community service objectives

100 Signs were ordered and received for identifying alternative water supply sites in Amite, Marion and Lawrence Counties.

Jefferson Davis County is in process of completing installation of a demonstration dry hydrant.

Followup work done with 6 counties.

(complete this sheet for each objective)



PRIMARY ACCOMPLISHMENTS

1. **Member Development:** Progress made in boosting the personal development of members.

No additional; except on-the-job experience.

2. **Community Building:** Progress made in meeting your community service objectives.

Progress, especially in 3 counties mentioned on preceding page, should allow volunteer fire departments to focus more on training, prevention, and equipment as water sources become a factor of lesser importance.



3. Other Accomplishments:

4. Unique Successes or "Great Stories":



TRAINING ASSESSMENT

PRIMARY TRAINING AND TECHNICAL ASSISTANCE NEEDS

Please specify precisely what kind of staff or Member training or other technical assistance can be provided by USDA, the Corporation for National and Community Service, or other sources to improve your project.

None

**Many thanks to our sponsors
for their assistance with this
workshop.**

**HATTIESBURG CONVENTION
AND VISITORS BUREAU**

CABOT LODGE

PAT HARRISON WATERWAYS

**SOUTHEAST MISSISSIPPI
RESOURCE CONSERVATION &
DEVELOPMENT**

**SMTA
Box 5022
Hattiesburg, MS 39401-5022**

**SOUTHEAST MISSISSIPPI
TOURISM ASSOCIATION**

PRESENTS

**MARKETING
TOURISM:
“From the Ground Up
with Next to Nothing”**



MR. GALE TRUSSELL
OF
THE TENNESSEE VALLEY AUTHORITY

**MAY 25, 1995
CLOVERLEAF MALL**

1:30 PM

AMERICORPS
4th QUARTER REPORT

SITE INFORMATION

Operating Site name: Hattiesburg

State: Mississippi

Site ID # USDA Natural Resources Conservation Service

Your Name: Margaret C. Ward

Your Position: Coordinator for the SE MS Tourism Association

Telephone number: (601) 545-2753

Fax number: (601) 583-2424

e-mail address
(if available) _____

Date report completed 9/28/95

Reporting Period: 07/01/95-09/30/95

Program Start-up date: _____



BUDGET INFORMATION

Federal dollars spent on AmeriCorps (Local Level Only)
Project Manager completes this section

Per cent of your time spent on AmeriCorps	<u>5%</u>
Approximate dollar amount	<u>200.00</u>
Cost for any other Federal employee spending time on AmeriCorps	<u>100.00</u>
Travel costs for Members & Managers	<u>1,450.00</u>
Training costs	<u>0</u>
Supplies	<u>50.00</u>
Uniform costs	<u>0</u>
Program Costs	<u>0</u>
(Please explain what these costs were.)	

Partner dollars spent on AmeriCorps

Supplies	<u>0</u>
Travel	<u>0</u>
Training	<u>0</u>
Program Costs	<u>0</u>
Other	<u>0</u>

Objective: Develop an inventory of the 18 member counties.

Progress towards meeting this community service objective.

Twelve counties have completed the inventory of their tourism assets. Three coastal counties are scheduled to be inventoried during the month of July. The last three counties have been contacted and we are awaiting their reply. Thus far, these final three counties need to show interest in tourism as they have been repeatedly contacted and failed to respond.

Objective: Develop a regional tourism brochure.

Progress towards meeting this community service objective.

The regional tourism brochure is well under way. A grant from the state tourism development office has been applied for and we are awaiting a response in late July as to the status of that grant. Included in the grant application is a listing of the bids that were received in regards to the particular brochure being printed.

Objective: Development and distribution of a bimonthly newsletter.

Progress towards meeting this community service objective.

The SMTA news has been distributed every two months beginning in January of 1995. This is a two page newsletter including such items as a current events section, a letter from the president of SMTA, and a feature organization where we highlight the attractions of one member per newsletter. Several members have made positive comments on the newsletter.

Objective: Develop and coordinate a regional tourism conference.

Progress towards meeting this community service objective.

A regional tourism conference was held May 25, 1995. Approximately 55 participants attended the conference, about half of those attending were not members of SMTA. This implies that publicity regarding the conference reached the general public. Mr. Gale Trussell of the Tennessee Valley Authority was the featured speaker. Barbie Russum, Grants Coordinator for the Mississippi Department of Economic and Community Development, Tourism Division, also spoke on the states role in tourism.

Primary Accomplishments

1. Member Development: Progress made in boosting the personal development of members.

During the past year with AmeriCorps, I have become both comfortable and confident in interpersonal settings. I have learned how to work with various governing bodies including mayors, boards of supervisors and a great number of people in the tourism industry. I have had an exciting year learning of the opportunities in Southeast Mississippi. I have met many wonderful people in my travels and have enjoyed my work with SMTA tremendously.

2. Community Building: Progress made in meeting your community service objectives.

Through AmeriCorps, the Southeast Mississippi Tourism Association has made several steps forward. Over the past year some of the accomplishments include: SMTA memberships have tripled, we have received publicity both on television and in the newspapers, and SMTA has become very involved in community support and activities.



3. Other Accomplishments:

None

4. Unique Successes or "Great Stories":

None



TRAINING ASSESSMENT

PRIMARY TRAINING AND TECHNICAL ASSISTANCE NEEDS

Please specify precisely what kind of staff or Member training or other technical assistance can be provided by USDA, the Corporation for National and Community Service, or other sources to improve your project.

Anyone coming into a position such as this would benefit from a public speaking class. We (AmeriCorps members) receive such training in March of 1995 by James Johnson, AC, Greenwood, MS.

4th
AMERICORPS
QUARTER REPORT

MEMBER INFORMATION

SITE INFORMATION

Operating Site name:	Tupelo Cluster #2
State:	Mississippi
Site ID #	
Your Name:	Robert L. Jordan
Your Position:	NE Mississippi RC&D Coordinator
Telephone number:	(601)844-0322
Fax number:	(601)844-4465
e-mail address (if available)	
Date report completed	August 8, 1995
Reporting Period:	July 1, 1995 - August 1, 1995
Program Start-up date:	September 26, 1994



SIGNIFICANT CHANGES THIS QUARTER

1. Staff changes made this quarter:

None

2. Program structural changes made this quarter:

None

Number of Members who have left National Service
this quarter.

1

Total-to-date

Number of Members who have gained employment thru their
AmeriCorps Service

Objectives Section

Objective: (state objective)
Rural Fire Protection

Progress towards meeting this community service objectives

The following accomplishments have been achieved in meeting this community service objective:

1. A grant has been recieved to install a demonstration dry hydrant in Northeast Mississippi as a result of a grant proposal developed and submitted to the Mississippi Forestry Commission.
2. The level of community awareness of the use of surface water for fire fighting purposes increased significantly throughout Northeast Mississippi.
3. Each participating county was provided GIS planning maps with color-coded fire districts and potential water sources.
4. Seven thousand five hundred information brochures on the dry hydrant were developed and distributed to promote community awareness.

(complete this sheet for each objective)



PRIMARY ACCOMPLISHMENTS

1. Member Development: Progress made in boosting the personal development of members.

This experience as a participant has enhanced my abilities. It has helped prepare me for future job opportunities and heighten my performance on the job.

2. Community Building: Progress made in meeting your community service objectives.

SAME AS IN THE OBJECTIVE SECTION

PART-TIME MEMBER INFORMATION

Number of Members authorized:	_____0_____
Environmental Corps Members:	_____
Rural Development Corps Members:	_____
Number of Members enrolled at end of quarter:	_____0_____
Environmental Corps Members:	_____
Rural Development Corps Members:	_____
Number of Members at beginning of quarter:	_____0_____
Environmental Corps Members:	_____
Rural Development Corps Members:	_____
Total Hours of Direct Service for previous Quarter:	_____0_____
Environmental Corps Members:	_____
Rural Development Corps Members:	_____
Total Hours of Direct Service for this Quarter:	_____0_____
Environmental Corps Members:	_____
Rural Development Corps Members:	_____
Total Hours of Direct Service to date:	_____0_____
Environmental Corps Members:	_____
Rural Development Corps Members:	_____

3. Other Accomplishments:

N/A

4. Unique Successes or "Great Stories":

A \$5,000 grant has been recieved to assist area communities in the installation of demonstration dry hydrants.

TRAINING ASSESSMENT

THE U.S. GOVERNMENT PRINTING OFFICE: 1964

PRIMARY TRAINING AND TECHNICAL ASSISTANCE NEEDS

Please specify precisely what kind of staff or Member training or other technical assistance can be provided by USDA, the Corporation for National and Community Service, or other sources to improve your project.

20418EV00

20418EV00

AMERICORPS
4th **QUARTER REPORT**

SITE INFORMATION

Operating Site name: Grenada

State: Mississippi

Site ID # Cluster 2

Your Name: Larry Parker

Your Position: Americorp

Telephone number: 601-226-5656

Fax number: 601-226-8727

e-mail address
(if available) Not available

Date report completed 9/29/95

Reporting Period: 07/01/95-09/30/95

Program Start-up date: September 26, 1994



TRAINING ASSESSMENT

PRIMARY TRAINING AND TECHNICAL ASSISTANCE NEEDS

Please specify precisely what kind of staff or Member training or other technical assistance can be provided by USDA, the Corporation for National and Community Service, or other sources to improve your project.



CLASS
SERIAL
OF SERVICE

-TIME MEMBER INFORMATION

Number of Members authorized:
Environmental Corps Members:
Rural Development Corps Members:

0

Number of Members enrolled at end of quarter:
Environmental Corps Members:
Rural Development Corps Members:

0

Number of Members at beginning of quarter:
Environmental Corps Members:
Rural Development Corps Members:

0

Total Hours of Direct Service for previous Quarter:
Environmental Corps Members:
Rural Development Corps Members:

0

Total Hours of Direct Service for this Quarter:
Environmental Corps Members:
Rural Development Corps Members:

0

Total Hours of Direct Service to date:
Environmental Corps Members:
Rural Development Corps Members:

0

MEMBER ASSESSMENT
as of end of this quarter

TOTAL AUTHORIZED POSITIONS: 1 TOTAL EMPLOYED: 1

TOTAL ENVIRONMENTAL CORPS POSITIONS FILLED _____
 TOTAL RURAL DEVELOPMENT CORPS POSITIONS FILLED _____

DEMOGRAPHICS OF AMERICORPS MEMBERS

Box 1 - GENDER

Number of Males _____

Number of Females _____

TOTAL _____

Box 2 - RACE

Number of Caucasians _____

Number of African Americans _____

Number of Native Americans _____

Number of Hispanics _____

Number of Asian Americans/Pacific Islander _____

Other _____

TOTAL _____

Box 3 - EDUCATION

Number w/out High School Diploma or GED _____

Number with High School or GED _____

Number with some college _____

Number with college degree _____

Number with Graduate degree _____

Number w/Professional or Trade School _____

TOTAL _____

NOTE: Totals in boxes 1-3 should be the same number and should be the same as TOTAL EMPLOYED.

BOX 4 - OTHER

Number receiving Health Insurance from NRCS _____

Number receiving Child Care through AmeriCorps _____

Number of children _____

Number w/Disabilities _____

BUDGET INFORMATION

Federal dollars spent on AmeriCorps (Local Level Only)
Project Manager completes this section

Per cent of your time spent on AmeriCorps	<u>6</u>
Approximate dollar amount	<u>\$ 3,000</u>
Cost for any other Federal employee spending time on AmeriCorps	<u>\$ 1,000</u>
Travel costs for Members & Managers	<u>\$ 50</u>
Training costs	<u>-</u>
Supplies	<u>\$ 100</u>
Uniform costs	<u>-</u>
Program Costs	<u>-</u>
(Please explain what these costs were.)	

Partner dollars spent on AmeriCorps

Supplies	<u>\$ 200</u>
Travel	<u>-</u>
Training	<u>-</u>
Program Costs	<u>-</u>
Other	<u>-</u>

Objectives Section

Objective: (state objective)

To assist landowners in renovating older animal (livestock) waste management lagoons by pumping wastes onto cropland or grassland.
Progress towards meeting this community service objectives

During the year eleven (11) animal waste lagoons were renovated by agitation and pumping of effluent onto grassland or cropland.

Animal waste management plans were also prepared on all of the above plus 3 farms that are on the waiting list for the equipment. 5 other farms are on the waiting list for preparation of ~~the equip~~ management plans prior to using the equipment.

This year's project did not get involved with poultry dead-bird composters as was originally intended due to the amount of time required by the lagoon pumpout project.

(complete this sheet for each objective)

PRIMARY ACCOMPLISHMENTS

1. Member Development: Progress made in boosting the personal development of members.

None additional this quarter except for individual on-the-job experiences in unique situations. ~~feeding~~
~~to~~

2. Community Building: Progress made in meeting your community service objectives.

The farming community and the general public were made more aware of environmental concerns facing farmers and of the positive reactions from farmers in general toward addressing these water quality concerns when presented with viable alternatives such as the livestock waste utilization project.

3. Other Accomplishments:

Some groundwork was laid with local schools to get Vocational agriculture students involved in conducting environmental evaluations on farms and homesteads using Farm-Asyst and Home-Asyst evaluations (checklists) available through the Cooperative Extension Service.

4. Unique Successes or "Great Stories":

TRAINING ASSESSMENT

PRIMARY TRAINING AND TECHNICAL ASSISTANCE NEEDS

Please specify precisely what kind of staff or Member training or other technical assistance can be provided by USDA, the Corporation for National and Community Service, or other sources to improve your project.

None

4th AMERICORPS
QUARTER REPORT

SITE INFORMATION

Operating Site name:

Brookhaven, MS (area office)

State:

MS

Site ID #

Your Name:

Bennie Hutchins

Your Position:

RC+D Coordinator

Telephone number:

601-833-5539

Fax number:

601-835-0054

e-mail address
(if available)

Date report completed

9-25-95

Reporting Period:

7-1-95 thru 9-30-95

Program Start-up date:

9-12-94

SIGNIFICANT CHANGES THIS QUARTER

1. Staff changes made this quarter:

None

2. Program structural changes made this quarter:

None

Number of Members who have left National Service
this quarter.

1

Total-to-date

1

Number of Members who have gained employment thru their
AmeriCorps Service

1



BUDGET INFORMATION

Federal dollars spent on AmeriCorps (Local Level Only)
Project Manager completes this section

Per cent of your time spent on AmeriCorps	<u>5%</u>
Approximate dollar amount	<u>41.00</u>
Cost for any other Federal employee spending time on AmeriCorps	<u>0</u>
Travel costs for Members & Managers	<u>150.00</u>
Training costs	<u> </u>
Supplies	<u> </u>
Uniform costs	<u> </u>
Program Costs (Please explain what these costs were.)	<u> </u>

Partner dollars spent on AmeriCorps

Supplies	<u> </u>
Travel	<u> </u>
Training	<u> </u>
Program Costs	<u> </u>
Other	<u> </u>

Objective: (state objective)

RURAL FIRE PROTECTION

Progress towards meeting this community service objectives

The Americorp member, Larry Parker, has performed in an excellent manner with the approved objective, Rural Fire Protection.

Larry has worked with all nine (9) county fire coordinators in his assigned work area. He has assisted with the development of a master fire plan that states goals and objectives for rural fire protection.

He is working with three (3) counties, Grenada, Holmes, and Tallahatchie, in obtaining grants for the installation of dry-hydrants.

Grenada County has applied for grant and just received approval to install six (6) dry-hydrants as a demonstration project.

Larry assisted with the grant request.

Holmes County has an active drainage district, Black Creek Watershed, that is constructing a Floodwater Retarding Structure next to a 400 unit sub-division that is also under construction. The drainage district has agreed to install a dry-hydrant and a road for the local fire fighting vehicles to use during emergencies.

Tallahatchie County has qualified for the Empowerment Zone, which makes it easier for obtaining grants to secure the installation of dry-hydrants. Applications to the Board of Supervisors are being developed for funds to implement this project.

Larry has done an excellent job working with local county volunteer fire departments.

(complete this sheet for each objective)



3

PRIMARY ACCOMPLISHMENTS

1. **Member Development:** Progress made in boosting the personal development of members.

2. **Community Building:** Progress made in meeting your community service objectives.

Awareness

3. Other Accomplishments:

Larry Parker has qualified for a Total Quality Management Facilitator with NRCS.

4. Unique Successes or "Great Stories":

BUDGET INFORMATION

Federal dollars spent on AmeriCorps (Local Level Only)
 Project Manager completes this section

Per cent of your time spent on AmeriCorps	5
Approximate dollar amount	<u>2,500</u>
Cost for any other Federal employee spending time on AmeriCorps	<u>-</u>
Travel costs for Members & Managers	<u>50</u>
Training costs	<u>-</u>
Supplies	<u>50</u>
Uniform costs	<u>-</u>
Program Costs	<u>-</u>
(Please explain what these costs were.)	

Partner dollars spent on AmeriCorps

Supplies	50
Travel	<u>-</u>
Training	<u>-</u>
Program Costs	<u>-</u>
Other	<u>-</u>

Objectives Section

Objective: (state objective)

A. To Provide Conservation education packages to elementary schools statewide

Progress towards meeting this community service objectives

200 schools were provided with Environmental Awareness (Natural Resources Conservation Education) packages

B. Objective - To support the other 4 AmeriCorps members in this Cluster Site on any aspect of their project needing computer assistance or public relations support.

Progress - Assistance was provided weekly to other AmeriCorps projects on news releases, data base maintenance, etc.

C. Objective - To inform general public and rural development partners of the RC+D program and ongoing activities.

~~Project~~
Progress - AmeriCorps member edited, published and distributed 400 copies of an 8-page newsletter

(complete this sheet for each objective)

PRIMARY ACCOMPLISHMENTS

1. **Member Development:** Progress made in boosting the personal development of members.

None specifically in this quarter, except for general "on the job" experience for AmeriCorps activities.

2. **Community Building:** Progress made in meeting your community service objectives.

Elementary school teachers in 200 schools empowered to do a better job in teaching Conservation education.

TRAINING ASSESSMENT

PRIMARY TRAINING AND TECHNICAL ASSISTANCE NEEDS

Please specify precisely what kind of staff or Member training or other technical assistance can be provided by USDA, the Corporation for National and Community Service, or other sources to improve your project.

None - Project Completed .



BUDGET INFORMATION

Federal dollars spent on AmeriCorps (Local Level Only)
Project Manager completes this section

Per cent of your time spent on AmeriCorps	<u>5%</u>
Approximate dollar amount	<u>\$41.00</u>
Cost for any other Federal employee spending time on AmeriCorps	<u>0</u>
Travel costs for Members & Managers	<u> </u>
Training costs	<u>\$160.00</u>
Supplies	<u>75.00</u>
Uniform costs	<u> </u>
Program Costs	<u> </u>
(Please explain what these costs were.)	

Partner dollars spent on AmeriCorps

Supplies	<u>100.00</u>
Travel	<u>300.00</u>
Training	<u>160.00</u>
Program Costs	<u> </u>
Other	<u> </u>

Objectives Section

Objective: (state objective)

Rural Fire Protection

Progress towards meeting this community service objectives

Services were rendered to the Mt. Olivet community which resulted in the installation of twenty-one (21) dry hydrants in lakes on ponds, as fill-up locations in fire suppression.

A request for grant funds from the Mississippi Forestry Commission has been made for the installation of six (6) dry hydrants in each county community where ponds or lakes were available.

Additional contacts and visits to County Fire Coordinator has been accomplished in four (4) counties.

(complete this sheet for each objective)

PRIMARY ACCOMPLISHMENTS

1. Member Development: Progress made in boosting the personal development of members.

The Americorp member has received training in self-esteem, communication learning and team activities, and goal setting, which will help her do t job more effectively. This training can be used in all interpersonal situations, at home, as well as at work.

2. Community Building: Progress made in meeting your community service objectives.

The Americorp person has worked with four (4) county volunteer fire coordinators in taking advantage of "natural water sources" for fire-fighting. All of these communities have a number of privately owned ponds, lakes, and streams that could be used, with permission, as fill-up ponds.

An additional benefit to citizens where dry-hydrants have been properly used is in the reduction of the fire classification for fire insurance.