

Project Abstract

For the Period Ending June 30, 2003

TITLE: Sustainable Inner City Communities Through Environmental Literacy

PROJECT MANAGER: James Cook;

ORGANIZATION: Sabathani Community Center

ADDRESS: 310 E 38th Street Minneapolis, MN 55409

WEB SITE ADDRESS: WWW.Sabathani.org

FUND: Futures Fund

LEGAL CITATION: ML 2001, 1st Special Session, Ch. 2, Sec. 14, Subd. _10(C)

APPROPRIATION AMOUNT: \$ 500,000

Overall Project Outcome and Results

The *Sustainable Inner City Communities* was a comprehensive environmental education, leadership and project with far-reaching impact. It increased citizen participation within inner-city communities. We surpassed our original goal by serving roughly 35,000 people through 7 result areas (See Appended Table):

1. **School Environmental Education Outreach**

More than 2,000 students in 7 urban schools studied topics ranging from Asthma to Sustainability.

2. **Community Environmental Health Outreach**

Approximately 33,000 inner-city residents reached through community forums, media, local presentations, expos and by work with ethnic community trainers on such Issues as Lead Poisoning, Asthma, Pesticides.

3. **Teacher & Practitioner Training**

For 30 professionals who work with inner-city youth. Trainings provided insights/tools for delivering culturally relevant science education.

4. **EnvironMentors, Youth Development**

Was an Integrated approach introducing 80 inner-city youth to careers in environmental, agricultural and science fields, Field trips, Career Fair, Guest Speakers, mentors, Workshops, urban gardening & landscaping Science Camp & clubs

5. **Youth Environmental Leadership Summit & Community Service Learning**

In 2 spring/summer programs we introduced 75 Urban Teens to environmental issues and activism through direct experience, field trips and service learning.

6. **Summer Environmental Day Camp**

Engaged 80 children ages 6 –13 through the integration of performing arts with environment, science, field trips and service learning projects

7. **Urban Agriculture & Community Gardening**

Engaged inner-city families and students in intergenerational and peer gardens

Project Results Use and Dissemination

Project report and portions of written curricula will be posted on Sabathani's website. It has been featured in the Minnesota State Lottery's traveling exhibit and video. Components of our project, such as the youth leadership summit and the community environmental health & equity programs have served as springboards by other groups in Minneapolis such as the Urban League and Head Waters. Presentations have been made to cultural community groups as well as at schools.

August 17, 2003

LCMR Final Work Program Report

Next Status Report: June 30, 2003

Date of Work Plan Approval: July 24, 2001

Date of Project Completion: June 30, 2003

I. PROJECT TITLE: Sustainable Inner City Communities through Environmental Literacy

Project Manager Jim Cook, Executive Director

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Total Biennial Project Budget:

\$500,000 LCMR Appropriation Amount Spent: As of 4/30/03 = \$366,780

Balance As of 4/30/03 = \$133,220

Legal Citation: ML 2001, First Special Session [Chap.2], Sec.[14], Subd.10-c

Appropriation Language:

10(c) Sustainable Inner-City Communities Through Environmental Literacy

\$500,000 is from the future resources fund to the commissioner of natural resources for an agreement with Sabathani Community Center for collaborative community environmental education and youth outreach.

II. and III. FINAL PROJECT SUMMARY

The *Sustainable Inner City Communities*. . . Project was a comprehensive environmental education, leadership and project with far-reaching impact. It increased citizen participation within inner-city communities. We surpassed our original by serving roughly 35,000 people through 7 result areas.

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Project report and portions of written curricula will be posted on Sabathani's website. It has been featured in the Minnesota State Lottery's traveling exhibit and video. Components of our project, i.e., youth leadership summit and the community environmental health & equity programs were springboards for other groups in Minneapolis such as the Urban League and Head Waters. In additions to local community Presentations, we plan to present results at conferences and workshops.

IV. OUTLINE OF PROJECT RESULTS

All of the goals of the project were met and the outcomes were achieved. However, because some of the actual costs for certain aspects of the project were much lower than anticipated when the original project budget was constructed more than 2 years ago, the project ultimately cost less to fund than was appropriated. Most of the savings came with facilities fees, transportation and seasonal staff for the Youth Leadership Summit. Additionally, because at the time of this report, Sabathani has not been able to get all of its reimbursements settled with the LCMR and DNR, we are not able to come up with a definitive balance.

RESULT A. SCHOOL ENVIRONMENTAL EDUCATION OUTREACH:

Our original goal was to Work with Up to 4 Twin Cities urban schools per year for 2-4 week sessions per school. We achieved our goals of working with elementary schools, but also we worked with middle and high schools. We developed curricular programming and instruction methodology. Also, we developed partnerships with outside organizations who offered technical assistance.

Result A LCMR Budget: \$24,831

Result A Balance: As of 4/30/04 = \$2,288.19

	<u>TOTAL</u>	<u>LCMR</u>	<u>In-Kind</u>
<u>Personnel: Salaries, benefits</u>	11,881	11,881	0
Project Coordinator, FT			
Youth Prog. Coord. FT			
Admin Asst. 15FTE			
<u>Contract:</u>	20,000	10,000	10,000
Env. Ed. Professional			
<u>Equipment</u>	900	900	0
Office Supplies			
Literature, manuals, curricular materials			
<u>Communication:</u>	1,550	1,550	0
Phone, fax, copying, advertising:			
<u>Mileage:</u>	500	500	0
	<u>\$34,831</u>	<u>\$24,831</u>	<u>\$10,000</u>

Completion Date: June 2003

Final Status Result A

SCHOOL OUTREACH 2001-2003 9 schools, approx 700 students

This year (January 2003-June 2003), the Environmental Education Outreach program took place in 2 elementary schools, 3 middle school and 2 high school. This outreach expanded beyond our original proposal to work in only elementary schools. Those participating schools were Concordia Creative Learning Academy, Battle Creek Elementary, Family Learning center, Stanford Middle School, Crosswinds Middle school, North High school and Area Learning Center.

Concordia Creative Learning Academy was very open to another Environmental outreach relationship in light of the success of last year's program. In fact, the classroom teacher with whom we worked, Ms Jahner, made recommendations of names to send to the Urban Youth Environmental Leadership Summit. This spring another teacher, Ms Johnson expressed interest in the environmental outreach program, so her 4th/5th class was combined with Sherri's class for the biggest group to go through the program at 55 students. After sitting down with the curriculum, the program expanded to include a service-learning component to make a complete connection to the topic of water.

Battle Creek and Cross Winds Middle schools came together in a collaborative effort on a special project to help restore the native plants and shoreline called the "Water We Share". The project had three components and it was implemented with our environmental literacy curriculum on "Water Connections" during intercession. By introducing a focused curriculum on water, students were being prepared in stages to become volunteers in the restoration project in the spring.

Family Learning Center had heard of the project from Concordia. After a couple of meetings, they decided on a modified environmental outreach curriculum just as an introduction. They are interested in being included in a more extended program in the future.

Students at North High's Sumatech program conducted local environmental surveys (air and water quality, biodiversity) as well as were introduced to environmental science research topics for local environmental issues.

Students at St. Paul's Area Learning Center (A year-round Alternative/Charter High School) participated in our Community Peace Garden project where they learned some drafting and planning techniques, learned some horticulture & botany as well as air, water and soil quality testing techniques. They will be continuing with their ongoing studies on air quality and particulate matter, soil analysis for heavy metals and bio-remediative properties of specific plant species.

We worked with students at Stanford Middle School in developing and performing a school-wide environmental play entitled *The Wisdom of Nature*, as well as held a career fair where we brought in professionals who worked in the fields of science, technology, environment and agriculture.

SCHOOL OUTREACH 2001-2003 9 schools, approx 700 participants

Lucy Craft Laney
Concordia Creative Learning Center
Family Learning Center
Stanford Middle
Battle Creek Middle
Cross Winds Middle
Area Learning Center
North High School
Seed Academy

Overall Results

Demographics of students: 90% of the students were from low income (qualified for free lunch program) households and from ethno-cultural minority backgrounds (African American, Hmong, Somali).

School Environmental Education Outreach Project Feedback

- Students participated in a verbal survey to assess what they remembered.
- Students were encouraged to share their thoughts and feedback from their journals.
- Students designed, wrote articles and submitted artwork on what they learned for a newsletter.
- Teachers felt they learned as much as the students and that the curriculum and resources were well used.
- A number of students committed to changing their behavior, stating that they would like to start eating less meat and more organic products.
- Outreach activities broadened the school's capacity to engage students in and undertake environmental projects

RESULT B.

COMMUNITY ENVIRONMENTAL HEALTH EDUCATION OUTREACH:

Our original goals were to have live broadcast public forums on Urban Environmental Health Hazards & Issues (sponsored by KMOJ radio and INSIGHT News) and to hold Environmental Safety & Health Expos at inner-city health clinics, community centers and school. We aimed to raise community awareness on such Issues as Lead Poisoning, Asthma, Dioxins, Pesticides, Nutrition, Air & Water Quality, Toxins in and out of the Home, etc. Once again, we far surpassed our original goals. This was in part due to the cross-pollination of our programming as well as our partnerships with organizations with overlapping missions (i.e., Hennepin Count Extension Service; MN Dept. Agriculture).

Result B LCMR Budget: \$29,886

Balance: As of 4/30/03 = \$6,320.80

	<u>TOTAL</u>	<u>LCMR</u>
<u>Personnel: Salaries, Benefits</u>	17,736	17,736
Project Coordinator FT		
<u>Contract:</u> Environmental Health Educator:	5,000	5,000
<u>Equipment:</u>	500	500
Supplies Office		
<u>Gratuities, facilities/ equip rental:</u>	5,000	5,000
<u>Communication:</u>	1,650	1,650
Phone, fax, copying, advertising, mail		
<u>Mileage</u>	0	0
<hr/>		
Total		<u>\$29,886</u>

Completion Date: June 2003

Final Status Result B

We served approximately 33,670 people directly and indirectly through our Community Environmental Health Outreach. While we carried out our original plans of disseminating information over the airwaves and holding community expos, we became more creative in order to involve various strata of the urban, specifically, the inner-city communities. Our community environmental health outreach involved not only the above, but we also engaged the community through train-the-trainer programs. That is, we trained approximately 50 community volunteers from ethno-cultural specific groups who were then tooled to do outreach within their own cultural and language communities on important environmental health issues such as Mercury Poisoning, second-hand smoke, Sun safety, Healthy Homes, Asthma, Cancer Prevention, etc.

Additionally, our Public Health Nurse made more than 50 presentations to over 1,000 low income urban residents in a number of community forums (meeting people where they are) to include day-care centers, schools, community centers, health clinics, churches and parent groups. Our IPM presenters made over 200 presentations at numerous community forums to over 4,000 people.

We were able to get young people involved in the Community Environmental Health Outreach as natural extensions from the EnvironMentors program as well as the Youth Environmental Leadership Summit, through 2 Radio Public Service Announcements on KFI and KMOJ. Additionally, youth were involved in the Environmental Health Expo booths which were integrated into Sabathani's annual Up and Rising Community Festival

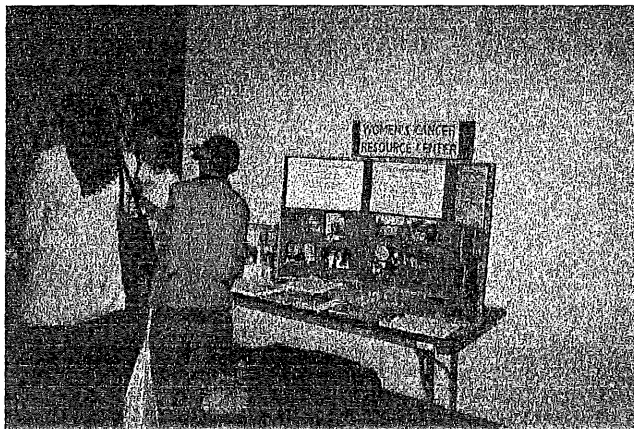
which was attended by 300 to 500 people. The mini expo, conducted in partnership with the Women's Cancer Resource Center, attracted about 100 community members.

COMMUNITY ENVIRONMENTAL HEALTH EDUCATION OUTREACH 2001-03

Approx # people served	33,670
Health Expo	
Year 1	Approx 500
Year 2	Approx 100
Schools, cultural groups, community & family centers	Approx 2,000
Cultural Community Training (train the trainer)	Approx 20
Radio Programs (Env. Health) & PSA's	Approx 10,000
1 X @ radio KFAI numerous X @ radio KMOJ	
Broadcasted Community Forums (Lucile's Kitchen)	Approx 2,000 listener ship
3 Community Newspaper Articles (Insight News, Spokesman, Star Trib)	Approx 15,000
Community youth Organizations	
AAL	
Horizons Youth	Approx 50
200 IPM Presentations	Approx 4,000

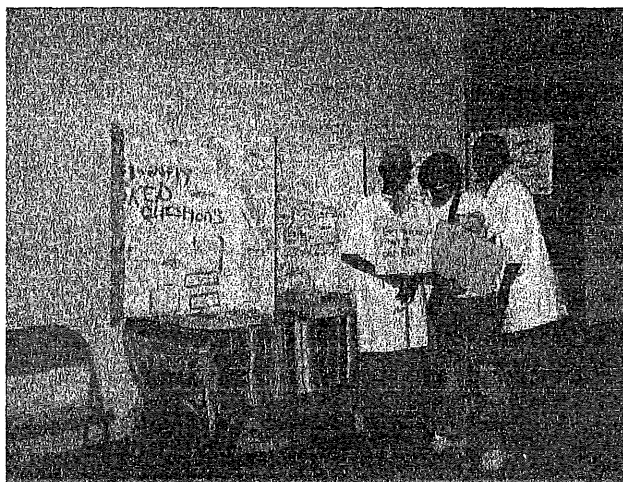
Safe Cleaning Products

Women Cancer Resource Center – Sherry Strand and volunteers taught participants how to mix safe cleaning products as alternative to store-bought chemical cleaners. Participants got to take home their own safe cleaning products in spray bottles.



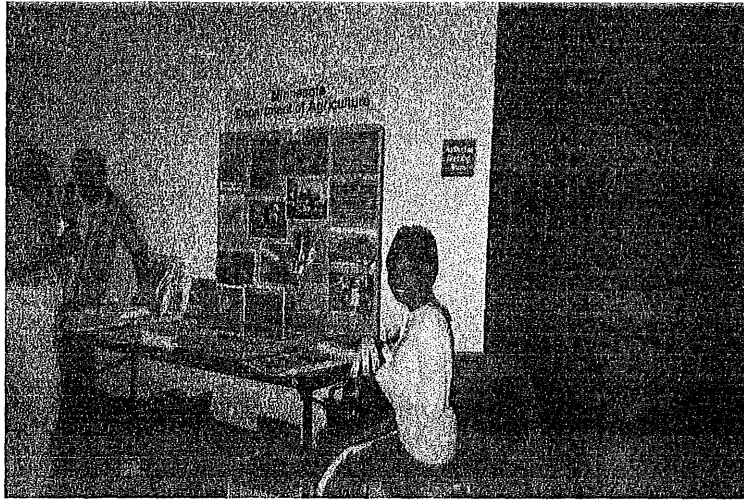
Mercury Poisoning Prevention

Institute of Agricultural Trade Policy and Clean Water Action – Kathleen Schuler and P. Caso recruited 10 youths from the Sabathani Community for a Mercury Poisoning Prevention Educational project prior to the festival. The resulting posters from that project were displayed at the Mercury Poisoning Prevention booth. Picture shows 3 youth volunteers with their banners right after they took part in the parade.



Pesticides Education

MN Dept of Agriculture – Collie Graddick worked with five volunteers – 4 adults and 1 youth from the Sabathani Community. Picture shows Somali youth volunteer at work.



Healthy Home –Second-Hand Smoke

Public Health Nurse and Health Advocate – Beverly Propes.

Beverly Propes took three youth volunteers on a field trip to American Lung Association to gather information and educational materials on Asthma. Then they stopped at a Fire Station and talked to the Fire Marshall about fires caused by smokers and obtained first hand information about the danger of second-hand smoke. At the fair Beverly engaged two other youth volunteers to staff the Healthy Home booth and to demonstrate to their peers, with the aid of a doll house, the harm that can be caused by smoking



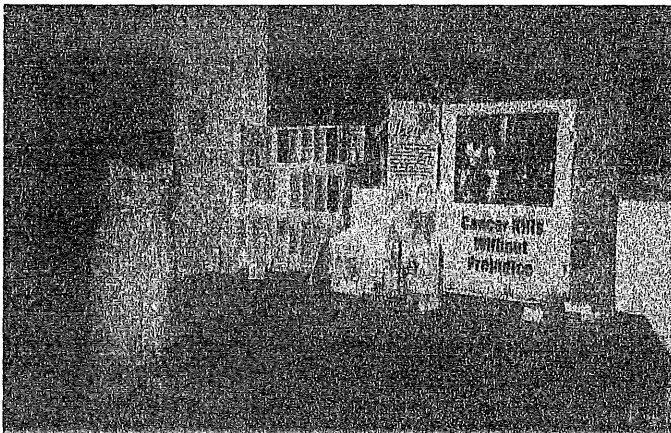
Lead Hazard Reduction

Sustainable Resources Center – Meagan Curran took 2 youth volunteers to a CLEARCorps site to let them witness first hand the Lead Hazard Reduction processes prior to the community festival. At the Lead Hazard Reduction booth, Meagan and her volunteers taught the young participants about food and nutrition and how they can combat lead poison in their body by eating the right kind of food.



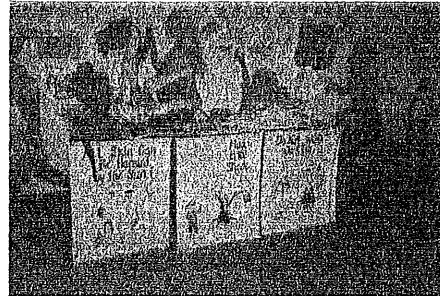
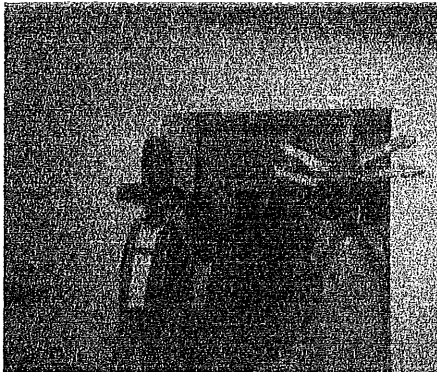
Breast Cancer Detection and Prevention

Institute of Health Education Alliances – Niccu Tafarrodi presented a mini Breast Cancer Workshop to 5 women volunteers the week prior to the festival. The 6 volunteers working as peer teachers at the Breast Cancer booth enable Niccu to outreach to the Somali and Hmong community with her breast cancer education.



Sun Safety – Sun Smart

University of Minnesota Extension Service – Laura Au-Yueng trained 1 adult and 5 youth volunteers from the Sabathani Community about sun safety prior to the festival. Using colorful paper Mache hats and passing out 300 tubes of Soy Smooth sun screen lotion, Laura succeeded in getting participants' attention about the necessity of "Slapping" on hats, "Slopping" on sun screens, and "Slipping" on shirts to protect ourselves from the harmful "mid-day" sun rays. Pictures show volunteers wearing huge colorful hats before and after the parade to attract attention.



City of Minneapolis Poison Prevention Office Staff with Somali Volunteers



As a result of the far-reaching impact and success of the Environmental Health Expo, the participating organizations and individual expo partners determined that we would form an offshoot initiative, ECHO (Environmental Community Health Outreach). The mission of ECHO will be to recruit and train volunteers from non-mainstream communities and hold demonstrations, environmental health fairs and expos in communities that are traditionally underserved.

RESULT C. URBAN TEACHER/PRACTITIONER TRAINING:

Our original proposal was to hold 2 Urban Teacher Trainings for a total of 15-50 teachers in inclusive, multicultural and urban environmental education with credits available through: Hamline University Center for Excellence in Urban Ed. & possibly UM School of Natural Resources and/or Concordia.

Result C LCMR Budget \$37,068

Balance: As of 4/30/03 = \$7,798.81

	<u>TOTAL</u>	<u>LCMR</u>	<u>In-</u>
	<u>Kind</u>		
<u>Personnel: Salaries, Benefits</u>	21,068	21,068	0
Proj, Dir @16%FTE,(\$17,736)			
Admin Assit (@ 5%FTE (\$3,332)			
<u>Contract:</u>	3,000	3,000	0
Adult Education Assistant:			
<u>Equipment</u>	2,350	2,350	0
Office Supplies, Curric. Materials			
<u>Comm:</u>	1,750	1,750	0
Phone, fax, copying, advertising, mail			
<u>Transportation</u>	1,400	1,400	0
<u>Teacher Stipends</u>	7,500	7,500	0
<u>Office Space Rental</u>	8,400	0	8,400
<u>Maintenance & Utilities</u>	700	0	700
<u>Mileage</u>	500	0	500
----- ----- Total	\$46,668	<u>\$37,068</u>	\$9,600

Completion Date: Round 1: Summer 2002; Round 2: Summer 2003

Result C Final Status:

We ended up developing 2 courses, 1 for elementary educators and a second course for secondary science educators. Both focused on contextual science education for urban learners. Both were 2 credit courses through Hamline University.

The course for elementary educators/practitioners was held in 2 different sessions: FY 2002 and FY 2003. Because the Elementary Practitioner course considered communities and cultures, we held the sessions at a public elementary school as well as at Sabathani Community center. Other aspects (field studies) were conducted at local resource centers, such as environmental education centers and Urban Boat Builders. A total of 21 people were enrolled in the FY 2002 and FY 2003 Elementary Science courses. There were 20 people enrolled in the High school level Science training, which was held at North High school. We also sponsored Project WET/WILD training for staff and students as well as provided in-school training for teachers on curricular resources and the use of environmental quality testing equipment.

TEACHER/PRACTIONER SCIENCE EDUCATION TRAINING 2001-2003:

Approx. 56

Elementary Environmental Science	21
High school science	20
Curricula Resources	10
Project WET/WILD	5

Result D: Enviro-Mentors & ScholarShop, Youth Development

LCMR Budget : \$119,385

Balance: As of 4/30/04 = \$19,719.23

Our intention with the EnvironMentors & ScholarShop program was to develop an integrated and holistic approach to introducing 25-50 targeted St. Paul and Minneapolis youth (ages 12-18) to careers in environmental, agricultural and science fields. Our strategies included Field trips, Career Fair, Guest Speakers, Workshops, Higher Education Partnerships, Community Gardening, Science Club, and Service Learning.

	<i>Total</i>	<u>LCMR</u>	
<i>Personnel: Salaries, Benefits:</i> (Proj Coordinator 11% FTE) (Youth Prog Director, FT):	95,181	95,181	0
<i>Contract</i> Year Round Mentors & Presenters	53,000	8,000	35,000
<i>Equipment/Office Supplies</i>	500	500	0
<i>Field trip fees & Transportation:</i>	1,250	1,250	0
<i>Space Rental,</i>	8,400	0	8,400
<i>Food Supplies:</i>	1,000	1,000	0
<i>Communication</i> Printing, Copying, Advertising, Phone, mail	1,450	1,450	0
<i>Youth Stipend</i>	10,000	10,000	0
<i>Career Fair</i>	2,004	2,004	0
<i>Maintenance & Utilities</i>	10,000	0	10,000
<i>Mileage</i>	300	0	300
Total	\$183,085	\$119,385	\$53,700

Completion Date: June 2003

Result D Final Status:

This year, Jan through June 2003, we broaden our horizons even more with respect to urban environmental science. In addition to the trips to the Science Museum of MN and the MN Dept. Agriculture's Entomology lab activities that were new for 2003 was an extension of our collaboration with Macalaster College. Macalaster mentors engaged our 3rd through 7th graders in a art project which led to an Urban Habitat project. Students offered through small-scale models, their perspectives on and perceptions of their urban habitat.

The habitat projects were quite interesting. Lakes, trees, birds and people all were included. Much of our discussion had to do with taking responsibility toward maintaining this delicate balance between our plants and how it was essential for us to be keepers of our environment. There was a clear connection made between the importance and high value that birds, trees, water and clean air have on our environment and the impact they have on our neighborhood, community, earth and its habitat.

An additional extended project was on Water and Air Quality. We conducted hands-on learning experiences that allowed students to collect and observe particulate matter as well as auto exhaust. These experiments offered not only hands-on and minds on experiences, but they also invited the students to be collective problem solvers and propose solutions, based on newly acquired knowledge as well as their knowledge of current solutions, to issues around air and water quality. Some of their suggestions were: car-pooling; driving automobiles that burn cleaner fuel; discovering a new type of fuel or an environmental friendly mode of transportation. The land pollution solution by the kids again had to do with their understanding of the existing systems currently being used: recycling paper, glass and plastic; use less pesticides and chemicals; use naturally degradable material. The magic of the activities was that the students were now able to make the connection between the problems and their lives and then see themselves as part of the solutions to the environmental issues that impact their lives.

Another very important event was the Career Fair. In the spring we held a Science and Engineering Career Fair at Stanford Middle School. About 600 students participated. The Community garden also played a big part for a selected group of Sabathani's community youth this year.

ENVIRON-MENTORS YOUTH DEVELOPMENT 2001-2003

Approx 800

Field Trips

Science Museum

MN Dept. Ag

Camp Courage

Guest Presenters

Macalaster Partnership

Projects

Career Fair

Science Club

Overall Results

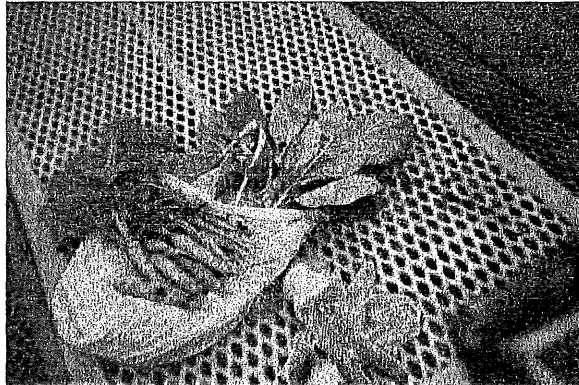
Demographics of students: Most of the students involved in the EnvironMentors program were African American and resided in the Central Neighborhood of South Minneapolis.

By-products of the EnviroMentors Youth Development Program

- We forged a productive relationship with Macalaster College
- We developed a meaningful relationship with Camp Courage
- We developed relationships with schools, businesses and professionals through the Career Fair
- There are young participants who say they want to go into the natural resources and environmental fields.
- The Youth –work portion gave young people work experience
- Adult volunteers and participants broadened their capacity not only to work with inner-city populations, but also to take up environmental issues.
- A science club developed and we will make every effort to sustain the effort.
- Sabathani had its first ever Youth Garden
- Youth and parents sent their children to Science Camp

Reflection:

If I could have changed one thing, there would have been more field trips and the science enrichment club would have started sooner.



Produce from Sabathani's ENIRONMENTOR'S first youth garden: Photo by D. A. Torraine

Result E Youth Environmental Leadership Summit

Result E LCMR Budget: \$132,918

Balance: As of 4/30/03 = \$32,474.19

We held Two (2) 5-day sessions during Summer 2002 at Concordia College (July 21, 2002 - July 28, 2002 and July 28, 2002 – August 2, 2002.) and 2 weekend sessions during spring of 2003 at Camp Courage (May 2-4, May 9-11). We served a total of roughly 85 students ages 11-21. Youth were introduced to environmental issues as well as the concept of sustainability, which enabled them to make the link between and among Environment, Health, Economics as they interact within a societal context. The program involved Guest Speakers, Simulations, Field Trips, Hands-on Activities, and Environmental Action.

	<u>TOTAL</u>	<u>LCMR</u>	<u>In-Kind</u>
<u>Personnel: Salaries, Benefits</u> (Proj. Dir @16% FTE) (Admin Asst @ 5% FTE)	21,068	21,068	0
<u>Contracts:</u>	69,200	67,200	2,000
<u>Equipment: Office Materials/Supplies:</u> 500	1,600	1,100	
<u>Equipment Rental, purchase, repair</u>	1,600	1,600	0
<u>Office Equipment & Computer</u>	400	400	0
 Facilities/Space Rental	 1,200	 1,200	 0
 Food, Room & Board	 23,900	 21,100	
<u>Transportation</u> 0	11,600	11,600	
<u>Communication</u> 0 Phone, Fax, copy, printing, Phone, advertising	1,950	1,950	
 <u>Summit Ceremonies</u>	 15,750	 5,700	 0
 <u>Mileage</u>	 1,000	 0	 1,000
Total	\$139,268	<u>\$132,918</u>	\$6,300

COMMUNITY SERVICE LEARNING PROJECTS 2002 & 2003

We conducted the following Service Learning projects:

9 projects: 182 participants; 782 served

	Participants
• Peer Education Eco-play	12 (600 served)
• Storm Drain Stenciling	40
• Earth Day Clean up	30
• Water Quality Monitoring & Data Collection	30 at 3 sites
• Recycling/Reuse Silent Auction: Raised money to purchase environmental	250
• Radio Public Service Announcements	5
• Garden to Soup Kitchen/Food shelf	5
• BioBlitz (native plant inventory)	40
• PEACE Garden	10

Result E Youth Environmental Leadership Summit: Final Status

We were able to meet our numbers as well as carry out the summits in 2002 and 2003. Because the entire LCMR project's end date was June 30, 2003, we changed the date and modified the 2003 Summit. Nonetheless, both years were successful. If I could have changed anything, I would have had more field trips.

Year 1 focused primarily on environmental issues, equity and sustainability and was held in an urban setting. Year 2 summit focused on water and water related issues and it was held in a rural area. Also, year 2 became a cross-cultural exchange opportunity between Camp Courage and the Sustainable Inner City Communities Project, as we collaborated on staff training as well as facilitation during the summit.

Result F: Summer Eco-Camp

ARTS-US, a St. Paul based performing arts organization was subcontracted to develop, organize and run the 2 summer eco-day camps in summer 2002 and summer 2003. Our goal was to serve 25 to 50 youth ages 7-12 yrs in each of the 2 annual 5-week summer day camp sessions. We met our goals. Programs and activities from January 2002 through June 30, 2003 were provided as designated in the contract between ARTS-US and Sabathani Community Center to meet the goals of the Sabathani/LCMR agreement and work plan.

LCMR Budget: \$119,544

Balance: As of 4/30/03 = \$51,898.23

	<i>TOTAL</i>	<i>LCMR</i>	<i>In-Kind</i>
<i>Personnel: Salaries, Benefits</i> (Proj Coord @ 22%FTE) (Admin Asst @ 5% FTE)	27,094	27,094	0
<i>Contracts:</i> (Seasonal Staff, Experts, Presenters)	59,900	60,300	3,200
<i>Food</i>	7,400	1,000	0
<i>Equip & Office supplies</i>	6,500	9,400	5,000
<i>Maintenance</i>	5,000	0	0
<i>Transportation & field trip fees</i>	11,500	14,200	0
<i>Camp Liability Insurance</i>	2,000	0	2,000
<i>Comm.: Printing, Phone</i> Advertising, Postage, fax	1,950	1,950 1,550	0
<i>Equipment</i> (rental, maintenance, purchase)	5,400	4,000	0

<i>Facilities Rental</i>	5,000	2,000	2,000
Mileage	1,2000	0	1,200

Totals	\$132,944	\$119,544	\$13,400

Result F: Eco-Camp Final Status

The ARTS-Us EnviroArt! ecocamp activities during summer 2003 used the creative arts as a magnet to help Twin Cities urban youth ages 8 to 14 increase their overall awareness and understanding of the natural environment, and learn to be stewards who will have the knowledge and skills to responsibly care for themselves, their families and communities, and the natural environment. A combination of environmental awareness education, arts activities and community engagement helped to maintain the interest and participation of students and to provide a relevant experience connected to their lives in the urban environment. Through heightened awareness and knowledge we worked to help children perceive, understand, and learn to address environmental concerns around them.

Themes explored during Spring and Summer Eco-camp activities were: (1) Seed, nurture and harvest; (2) Reduce, reuse, recycle; (3) Roots & wings; (4) Clean, pure and natural and (5) Make peace, protect & serve

Activities through June 30th supported by the LCMR grant included Nature Days, gardening, environmental fieldtrips, overnight camping and integrated arts.

Eco-camp workshop sessions were facilitated by professional and emerging artists with expertise in: Gardening, Nature and Teambuilding Games, AWES (air, water, earth & sun), Visual Art (drawing, painting, photography and graphic art, Literary Arts (creative writing -- prose, poetry and spoken word), and, Performing Arts (African-based movement & percussion instruments, storytelling/acting, spoken word).

Eco-camp Fieldtrips included:

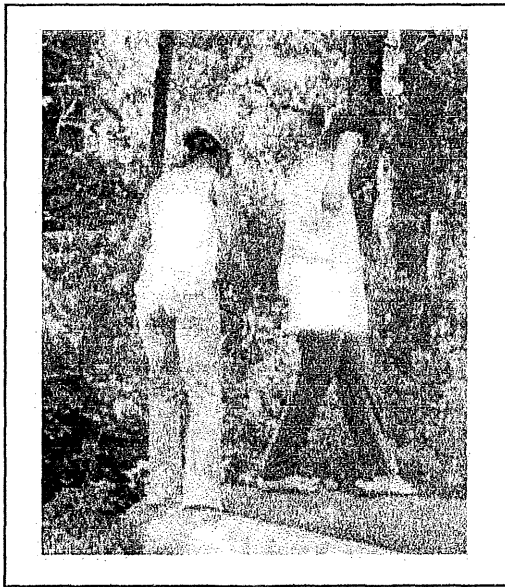
- Minnesota Department of Agriculture Biological Control Center
- Mississippi Riverboat Nature Ride
- Overnight Camping at Camp Ripley
- Nature Days at Crosswinds Arts and Sciences Middle School
- Inner City Environments Community Gathering at Lynnhurst Community Center
- Eye Inspire Nature Photography & Graphic Art Workshop
- University of Minnesota Raptor Center
- University of Minnesota Greenhouse

Evaluations conducted at the end of the camp indicated that students and parents alike had: a) increased their awareness and knowledge of urban, suburban and out-state environments and b) increased the connectivity between their lives and the quality of the environment, environmental issues, and stewardship actions they could take to care for themselves, their families, communities and the world. Parents commented that the combination of environmental education, cultural arts and community engagement had made the camp a rare opportunity for which they were grateful. Parent volunteers have committed to support the continuation of the camp experiences throughout year and in future summers, as chaperones, with in-kind contributions, and as fundraising assistants.

ARTS-Us has announced additional fall Nature Days, and we plan to offer Spring and Summer Eco-camp activities again in 2004.

ECO-CAMP	Number of Campers	85
Year 1		40
Year 2		45

BELOW ARE SOME PHOTOS FROM THE SUMMER ECO-CAMP



CAMP RIPLEY



DRAIN STENCILING

Result G Urban Agricultural Land Labs & Urban Community Gardens: (Total:

LCMR Budget: \$36,368

Jan 2003 Balance: As of 4/30/03 = \$10,721.00

The urban Agriculture Land labs program was most active in the Summers of 2002 and 2003. During the fall, winter and spring, we harvested, researched & developed curricula and prepared seeds and soil for the next generation of crops.

In addition to acquiring a plot in the Summit/University neighborhood, we created an urban Social and Environmental PEACE sanctuary. This is an intergenerational and multicultural site where folks come together to be with one another—sowing, cultivating and harvesting collectively.

Additionally, we worked with Farm In The City in developing an urban garden for the summer Eco-day camp.

We also developed Sabathani's first-ever youth garden. A handful of dedicated youth worked diligently in the garden along side of our garden specialist.

	<u>TOTAL</u>	<u>LCMR</u>	<u>In-Kind</u>
<u>Personnel: Salaries, Benefit</u>	6,368	6,368	0
Proj Coord @ 5.5%FTE			
<u>Contract:</u>	24,000	24,000	0
2 Seasonal FT Comm Garden Coord			
1 Seasonal Ag Educator			
<u>Equipment/ *Supplies:</u>	1,000	1,000	0
<u>Communication</u>	500	0	500
<u>Acquisition:</u>	5,000	0	5,000
Urban plot/lot			
<u>Land Development</u>	5,000	5,000	0
<u>Maintenance & Utilities</u>	500	0	500
<u>Mileage</u>	500	0	500
Totals	\$42,868	\$36,368	\$6,500

Result G Completion Date: June 2003

Result G Final Status:

In Minneapolis (Sabathani) youth learned how to construct an organic garden (400 sq. ft.) using sq. foot gardening and other garden models. Youth learned how to transplant

seedlings, mulch, and water. They learned dead heading and why & how to retain beneficial insects by planting flowers. They also learned how to germinate seeds. We began distributing food ready for harvest to under-served people at Sabathani Community Center for families in the Central neighborhood of South Minneapolis.

In St. Paul, we developed a land laboratory. There were 2 original community garden sites (Victoria and Marshall; Dayton & Oxford). We developed 2 new ones with Area Learning Center Charter School. The first one was on University Avenue and Dale Street at the far-eastern corner of the Unidale Shopping Mart. The other new site was on Aurora. This site was developed as a PEACE Sanctuary green space. The Social and Environmental Peace Sanctuary will constantly reinforce peaceful practices by creating a space for neighbor interaction. We will accomplish this by creating a visually appealing space, promoting positive values and a crime free environment.

Our goals in creating the Social and Environmental Peace Sanctuary were:

- A. Promoting Environmental Literacy through urban greenlining
- B. Creating a safe environment for families in this community to interact
- C. Encouraging community solutions to common problems

This vision fits the National Trust for Historic Preservation's definition of a Community Green. Our long-term goal is to "greenline" our community. Community Greens are shared green spaces that are inside residential blocks. Greenlining is in direct contrast to "redlining", the term used to describe how banks and insurance companies withhold services from low-income neighborhoods or communities of color. We feel that creating a safe green sanctuary for our community will enhance and improve it's health and the well being of all residents.

The Aurora-St. Anthony NDC and students from the Area Learning Center, conducted a survey of neighbors to help shape the vision of the Peace Sanctuary. Area Learning Center students also conducted a site analysis, that included physical dimensions and characteristics, existing plant and soil conditions.

We set up experiments around phytoremediation by using herbaceous and woody plant species in a section of the Peace Sanctuary. The pollutants in the soil will have been measured to determine a baseline. Students from the Area Learning Center researched phytoremediation as well as created a plant list. After the plants mature, they will be harvested and tested to determine whether any pollutants (such as heavy metals) have been absorbed by the plants. The soil will be tested again after harvesting to determine if the pollutant baseline has changed. Additionally Area Learning Center students developed and conducted preliminary air monitoring analysis.

Our partners on this project included:

- Sustainable Inner- City Communities through Environmental Literacy (LCMR)
- St. Paul Public Schools Area Learning Center

- Aurora St. Anthony Neighborhood Development Corporation
- Grant Utilities
- Melvin Giles
- Mrs. Rodriguez
- Dispute Resolution Center
- St Paul Police Department
- Summit-University Weed & Seed

We envision the Social and Environmental Peace Sanctuary as an ongoing experimental and monitoring station that gauges the quality and health of the urban environment by continually testing noise, air, soil and water quality.

V. TOTAL PROJECT BUDGET

All Results: <u>Personnel:</u>	\$200,396
FT & PT Salaries & Benefits	
All Results <u>Contracts</u>	177,500
Professional/Technical	
Seasonal Staff	
All Results: Equipment & Supplies	16,150
All Results:	
Food, Room & Board	23,100
All Results: Facility & Equipment Rental	
Facility & Space Rental	8,200
Equipment Rental, Purchase, Repair	5,600
All Results <u>Maintenance & Utilities</u>	0
All Results: <u>Transportation & fees</u>	28,450
All Results: <u>Office Space Rental</u>	\$0
All Results:	

<i>Advertising, Communication & Printing</i>		9,900
All Results <i>Mileage</i>		\$500
All Results: <i>Acquisitions</i> :		0
All Results: Land Development		\$5,000
<hr/>		
		474,796
All Results: <i>OTHER OPERATING COSTS:</i>		25,204
Teacher Stipends	7,500	
Youth Stipends	10,000	
Env. Summit Cerem		5,700
Env. Career Fair	2,004	
<hr/>		
Total LCMR (Budget): =		\$500,000

CURRENT BALANCE: \$XXXXX

Total Project Expenses: \$609,496
<u>LCMR Recommended Allocation \$500,000</u>

. **Project Partners:** Anticipated In-Kind contributions of Individual time, volunteerism, space.

L. Baker- Kent: Hamline Univ. Ctr for Urban Ed.	15%
\$10,000 In-Kind	
T. Carter Arts-Us	25%
10,000-In-Kind	
M. Giles: Frogtown Farms/SAGE	25%
25,000-In-Kind	
M.E. Smith Ramsey County/St. Paul Public Health,	15%
20,000 In-Kind	
M. Shea Mpls Lead Hazard Reduction Offc	15%
20,000 In-Kind	

M. Moore	Phyllis Wheatley Comm Ctr	Campsite
25,000 In-Kind		
S. Woods	MPS	5%
5,000 In-Kind		
A. Higgins	Minneapolis Urban League	Youth Employment Refs
5,000 In-Kind		
<u>L. AuYeung</u>	<u>UM Exension Svc</u>	<u>15%</u>
<u>20,000 In-Kind</u>		

\$145,000 Partner In-Kind value of time, human resources

D. Time: 2 years

VII. DISSEMINATION:

Project will be disseminated through Sabathani's Website

VIII. LOCATION: Inner –city communities of St. Paul and Minneapolis (i.e., Frogtown, Selby-Dale, North Minneapolis, South Minneapolis, Minneapolis & St. Paul Public Schools)

IX. REPORTING REQUIREMENTS:

Periodic work program progress reports will be submitted not later than January 2002, September 2002, and Jan 2003 A final work program report and associated products will be submitted by August 22, 2003.