

SUBCOMMITTEE FINAL REPORTS
ADDRESSING CITIZENS' CONCERNS

LAKE PONTCHARTRAIN BASIN COMPREHENSIVE MANAGEMENT PLAN, PHASE I

Prepared for:

Lake Pontchartrain Basin Foundation
Post Office Box 6965
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as part of:

THE PONTCHARTRAIN BASIN COMPREHENSIVE MANAGEMENTY PROJECT

THIS DOCUMENT IF FOR INTERNAL REVIEW ONLY

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PONTCHARTRAIN BASIN

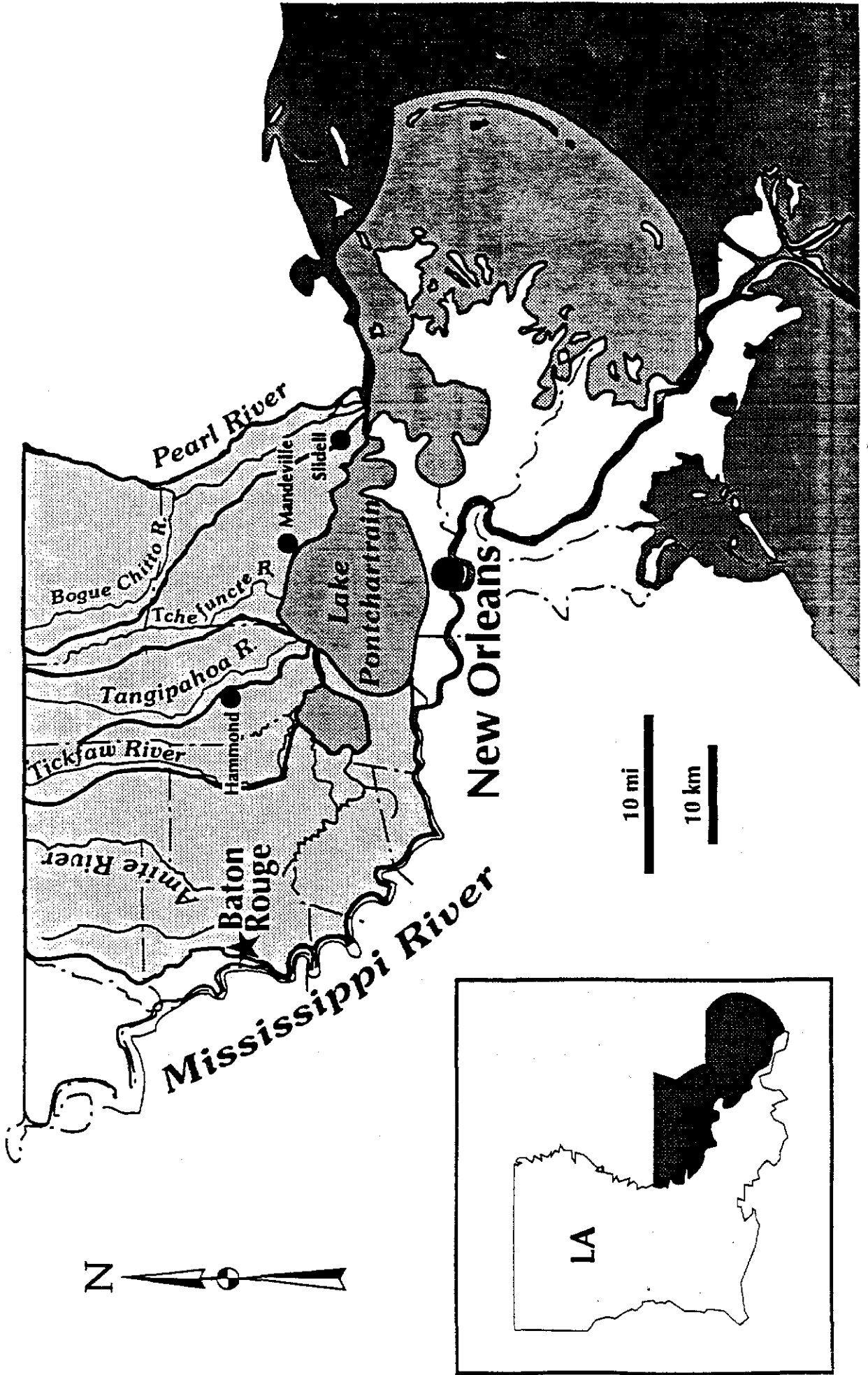


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INTRODUCTION

Continuing development and population growth in the Pontchartrain Basin watershed have contributed to a variety of environmental problems affecting public health, public safety, and quality of life. Previous studies have indicated the need for a coordinated basin wide planning process to address these diverse problems. Through the efforts of Senator J. Bennett Johnston, the Lake Pontchartrain Basin Foundation, in a cooperative effort with the Environmental Protection Agency, has been granted a \$500,000 congressional appropriation which covers 95% of the costs of the project to develop and implement a comprehensive management plan for the restoration and clean-up of the Pontchartrain Basin. The University of New Orleans, College of Urban and Public Affairs was contracted to assist in the development of this plan.

As the first step in the development of the plan, four public meetings were held in October 1991 to solicit public opinions on the conditions and needs of the Pontchartrain basin. The public expressed a combination of goals, concerns, issues, and desires that for the sake of expediency are referred to as "concerns". These concerns were grouped into five categories: Education/Outreach; Renewable Resources; Uses; Pollution; and Institutional. From March through July 1992, monthly workshops were convened to develop a comprehensive management plan for addressing the concerns expressed during the October meetings. At the March organizational meeting, five subcommittees corresponding to the categories of citizens' concerns were created. Delegates and alternates to the workshop volunteered for the subcommittees. Some agencies assigned members of their staff not present at the organizational meeting to serve on subcommittees.

Subcommittees developed specific responses to citizens' concerns. These subcommittees recommendations are the integral elements, the basic building blocks, of the comprehensive management plan. The subcommittees met regularly (at least once a month and sometimes more frequently) to discuss their approach to citizens' concerns, share information, and assign tasks that would lead to the completion of their respective reports.

Each subcommittee elected a chair or co-chairs. A coordinator was provided to each subcommittee. Coordinators were individuals with experience and expertise in their respective categories. They participated, assisted the subcommittee by providing summaries of meetings, researched information, and were the contact person among subcommittees. The chairs and co-chairs generally led the subcommittee discussions and gave progress reports at the regularly scheduled workshops. Subcommittee meetings were held throughout the Basin in locations secured by members of the respective committees.

At the first workshop, a detailed outline was supplied to help subcommittees develop a uniform format for the content of their reports. A uniform format would be readily comparable and easier

to blend into the final plan. However, by the third month, the chairpersons and coordinators indicated that the participants would not be able to complete the detailed outline as originally envisioned. Participants were volunteers on loan from their regular employers and could not provide the concentrated level of effort required by the process in the five month schedule. After a meeting of chairpersons, coordinators, and grant administrators, it was concluded that a revision in report requirements was in order and that at a minimum the reports would consist of a matrix listing. Costs would be provided if the subcommittees were comfortable in their projections. Each subcommittee had the option of preparing its report in a format it felt most comfortable so long as it addressed the citizens' concerns.

This document is a compilation of the five subcommittee final reports. Each of the five sections in this compilation contains a roster of subcommittee members, a list of the concerns addressed by the subcommittees as derived from the summary of the public meetings, and the subcommittee final report. The subcommittee reports appear as submitted and have not been altered or changed in any manner.

THIS DOCUMENT IS FOR INTERNAL REVIEW ONLY.

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Any opinions, findings, and conclusions in this publication are those of the subcommittees and do not necessarily reflect the views and policies of the EPA, the Lake Pontchartrain Basin Foundation, or the University of New Orleans.

SECTION 1

EDUCATION/OUTREACH



EDUCATION/OUTREACH CONCERNS

Education

- 1) There must be a public education campaign that reaches all citizens via:
 - a. the media/video;
 - b. the participation of grass roots groups such as community clubs and sports groups;
 - c. involvement of younger children on environmental projects;
 - d. a Lake Pontchartrain oriented science fair;
 - e. government involvement;
 - f. an awareness plan for schools;
 - g. museums and interpretive centers on north and south shores;
 - h. a speakers bureau; and
 - i. shelters with educational information and mini-nature centers on public access trails;

- 2) A broad-based educational program must include identification of pollution sources and methods of correction. It must inform people about:
 - a. commercial pollution;
 - b. urban runoff;
 - c. *rural and agricultural runoff*;
 - d. pre-cycling (purchasing those products which have a minimum of packaging, and with recyclable packaging);
 - e. general pollution prevention;
 - f. the need for funding solutions; and
 - g. respecting the rights of landowners and others.

Public Participation

- 1) Increase public access and do not revoke public rights-of-way without public notice, vote and financial compensation.
- 2) There should be an education program on urban runoff which fosters public financial support and citizen monitoring.
- 3) There must be continuing grassroots involvement such as:
 - a. public participation in the planning process;
 - b. involvement of younger children/students in environmental education and projects such as reseeding/replanting marshes; and
 - c. regular garbage pickups.

Assessment

- 1) Determine where we are (assess condition of basin); what we want (desired level of clean); what is feasible (best available technology); and how existing pollution laws can most effectively be implemented.

Research

- 1) There must be an ongoing, coordinated, interagency research program that will:
 - a. develop a baseline study of natural vegetation and species/organisms in the basin;
 - b. conduct fisheries analysis and monitoring;
 - c. measure salinity across basin;
 - d. complete a comprehensive and independent pollution study identifying, prioritizing, monitoring and quantifying all pollution sources in order to come up with a scientific statement of what is feasible; and
 - e. encourage affordable technology to give acceptable alternatives.

Monitoring

- 1) All pollution sources in the basin should be monitored, with citizen involvement when possible. Specifically mentioned for monitoring are: point

and non-point sources of pollution such as hospitals; urban areas; and rural and agricultural regions.

- 2) The Gulf of Mexico should also be tested for pollutants (on a long term basis).

EDUCATION SUBCOMMITTEE

DELEGATE	ORGANIZATION NAME	ADDRESS	CITY, STATE & ZIP	Office	Fax
Ms. Sharon Alonzo	LA Environmental Educators Assoc.	c/o LA Nature Center	New Orleans, LA 70187-0610	286-6833	
Ms. Betty Atkins	Dept. of Health & Hospitals	234 Loyola Suite 620	New Orleans, LA 70112	568-5976	
Mr. Gordon Austin	N.O. Sewerage & Water Board	2900 Peoples Avenue Room 215	New Orleans, LA 70122	942-3855	
Mr. Phillip Bowman	LA Cooperative Extension Service	P.O. Box 2440	Covington, LA 70434	893-4449	
Ms. Linda Calvert	University of New Orleans	UNO Lakefront	New Orleans, LA 70148	836-2205	836-7283
Dr. John Caruso	LUMCON	8124 Highway 56	Chauvin, LA 70344	851-2800	851-2874
Ms. Kathy Cashio	Gulf of Mexico Program	Bldg. 1103 Room 202	Stennis Space Center, MS 39529-6000	601-688-3726	601-688-2709
Ms. Amy Clipp	Private Consultant	7130 Spruce St.	New Orleans, LA 70118		
Ms. Barbara Coltharp	Dept. Culture, Rec. & Tourism	P.O. Box 94291	Baton Rouge, LA 70804-9291	342-8148	342-3207
Mr. Paul D. Coreil	LA Cooperative Extension Service	Knapp Hall, LSU	Baton Rouge, LA 70803-1800	388-2145	388-4225
Mr. Kent Duesom	Orleans/Jefferson Consultant	3501 N. Causeway Blvd. Suite 300	Metairie, LA 70002	01 835-4252	01 835-0009
Dr. Carol Giffin-Jeansonne	University of New Orleans	805 Engineering Bldg.	New Orleans, LA 70148	286--6643	286-7413
Ms. Mary Jo Hancock	Dept. of Economic Development	P.O. Box 94185	Baton Rouge, LA 70804-9185	342-5893	342-5389
Dr. Robert Hastings	Sierra Club	P.O. Box 814	Hammond, LA 70402	549-2141	549-5092
Mrs. Ruth Hinson	Dept. of Education	Tulane University	New Orleans, LA 70118-5698	865-5584	862-8744
Mr. Cliff Kenwood	Lake Pontchartrain Basin Foundation	P.O. Box 6965	Metairie, LA 70009-6965	836-2215	836-7283
Mr. Randy Lanctot	LA Wildlife Federation	P.O. Box 16089 L&U	Baton Rouge, LA 70893	344-6707	
Ms. Elaine LeBlanc	Women For A Better Louisiana	57 Normandy	Kenner, LA 70065	469-5873	
Ms. Sue Ellen Lyons	LA Environmental Educators Assoc.	2770 Jonque Street	New Orleans, LA 70122	942-3100	
Dr. Michael Poirrier	University of New Orleans	Lakefront	New Orleans, LA 70148	286-7041	336-4306
Mr. Donald Powers	Chamber of Commerce - Baton Rouge	P.O. Box 3217	Baton Rouge, LA 70821	381-7137	
Ms. Kay Radlauer	Women for a Better Louisiana	5975 Canal Blvd.	New Orleans, LA 70124	482-4761	
Mr. T. Jay Ray	Dept. of Health & Hospitals	P.O. Box 60630	New Orleans, LA 70150	568-5100	
Ms. Anne Rheams	Dept. of Environmental Quality	P.O. Box 82215	Baton Rouge, LA 70894-2215	165-0561	
Ms. Pat Robineon Sanders	Dept. of Economic Development	P.O. Box 94185	Baton Rouge, LA 70804-9185	342-5359	342-5389
Ms. Peggy Rooney	Dept. of Natural Resources	P.O. Box 44487	Baton Rouge, LA 70804-4487	342-7591	
Ms. Sheila Schayot	Lake Pontchartrain Basin Foundation	P.O. Box 6965	Metairie, LA 70009-6965	836-2205	836-7283
Ms. Pat Skinner	Amite River Basin Commission	2626 So. Range Rd. Suite 200	Denham Springs, LA 70726	665-3395	
Dr. Rani Thiyagarajah	Xavier University	7325 Palmetto St.	New Orleans, LA 70125	483-7523	
Ms. Lynn Woods	Barataria/Terrebonne NEP	11720 Airline Hwy.	Baton Rouge, LA 70817	295-8936	295-8587

EDUCATION/OUTREACH PLAN

to be submitted to
the Interagency Working Group
as part of the
PONTCHARTRAIN BASIN COMPREHENSIVE MANAGEMENT PLAN

July 23, 1992

Introduction

The Education/Outreach Plan has as its core a framework in the form of a Citizen Advisory Committee (CAC). It was decided by the Education/Outreach Subcommittee that a Pontchartrain Basin CAC is necessary to ensure public empowerment and participation in both the education and planning processes. The Pontchartrain Basin CAC will be the nucleus for outreach projects, as well as the clearing-house for research and educational materials. The existence of a CAC will allow for a more proactive approach to environmental management of the Pontchartrain Basin.

Methodology

The Education/Outreach Subcommittee was charged with answering citizen concerns falling under the five subcategories of: education, public participation, research, assessment, and monitoring.¹ The subcommittee decided that it could best handle the many concerns by breaking into three subgroups and dealing with the concerns specific to each subgroup: 1) Education; 2) Public Participation; and 3) Research, Assessment, and Monitoring. The subcommittee members who participated in the three subgroups come from a variety of backgrounds, and each contributed specific

¹ Calvert, Linda Stone, and Emmer, Rod. E. Ph.D. 1992. Summary Report of October 1991 Public Meetings: Citizen Concerns About the Pontchartrain Basin. University of New Orleans, College of Urban and Public Affairs. February.

knowledge and expertise to the Education/Outreach Plan. Subgroup members are listed below in alphabetical order:

EDUCATION	PUBLIC PARTICIPATION	RESEARCH, ASSESSMENT, & MONITORING
Sharon Alonzo and Sue Ellen Lyons La. Environmental Educators Assoc.	Gordon Austin New Orleans Sewage & Water Board	Phil Bowman La. Cooperative Extension
Kent Dussom Jefferson Parish	Linda Calvert** University of New Orleans (UNO)	John Caruso La. Univ. Marine Consortium (LUMCON)
Carol Giffin-Jeansonne, Urban Waste Mgmt. & Research Center, UNO	Amy Clipp Consultant, worked on La. Environ. Action Plan (LEAP)	Steve Gorin and Cliff Kenwood LPBF
Mary Jo Hanover, Department of Economic Development	Barbara Coltharp Ofc. Litter Control & Recycling, Dept. Culture, Rec. & Tourism (DCRT)	Michael Poirrier, Biology, UNO
Bob Hastings* Sierra Club	Elaine LeBlanc and Kay Radlauer Women for a Better Louisiana (WBL)	T. Jay Ray Ofc. Public Health, Dept. Health & Hospitals (DHH)
Ruth Hinson, Department of Education	Anne Rheams* Nonpoint Source Prg., Dept. Environ. Quality (DEQ)	Pat Skinner Amite River Basin Commission
Peggy Rooney Coastal Management Div., Dept. Natural Resources (DNR)	Sheila Schayot Lake Pontchartrain Basin Found. (LPBF)	Rani Thiyagarajah Toxicology, Xavier University
	Lynn Woods Barataria-Terrebonne Ntl. Estuary Program (NEP)	

* Co-Chairs

** Coordinator

The Education/Outreach Subcommittee met three times, and each time divided into subgroups. At the second meeting, three sets of matrices were presented by the coordinator to be used as an aid in answering citizen concerns. The matrices included blanks for filling in: 1) existing programs, material, and/or data; 2) recommendations; and 3) specifics (who, when, cost) for each citizen concern. The subcommittee decided to use these matrices and over the next few months they were filled out by subcommittee members and compiled into the final format included in this report.

Several members of the Public Participation Subgroup met separately to discuss the formation of a Citizen Advisory Committee, essential for pulling together the diverse educational and public participation needs of the basin's citizenry. The CAC structure developed for the Pontchartrain Basin is a combination and gleaning of citizen involvement strategies from the Louisiana Environmental Action Plan (LEAP) and the Barataria-Terrebonne National Estuary Program (NEP). It is designed to work for the citizens of the Pontchartrain Basin and provides a framework for answering their concerns on an ongoing basis.

The Citizens' Advisory Committee

The Pontchartrain Basin CAC will be centered at the Lake Pontchartrain Basin Foundation (LPBF) office and will have: 1) one LPBF staff person dedicated on at least a part-time basis to support the CAC meetings and activities; 2) one full-time education/public participation coordinator; and 3) one voting member on the LPBF Board. The role of the Pontchartrain Basin CAC will be to coordinate and support existing local environmental organizations, develop and nurture new organizations, and insure that the concerns and perspectives of citizens are incorporated into the LPBF. These goals will be accomplished by maintenance of a dialogue between the

citizens of the basin and those people they choose to represent them on the CAC. The Pontchartrain Basin CAC will meet regularly to give local groups a forum for discussing their needs, goals and progress. It will provide or coordinate the following types of support:

- technical expertise, found within the CAC and through universities, Louisiana Universities Marine Consortium (LUMCON), and other research institutes;
- legal assistance, through the Tulane Environmental Law Clinic, Sierra Club Legal Defense Fund, Environmental Defense Fund, and/or other relevant legal entities;
- mapping capabilities, utilizing the expertise of the Louisiana Geological Survey, university professors, private contractors, and the basin parishes (housing the project in Jefferson or St. Tammany Parish) so that a geographic information system (GIS) can be developed for the Pontchartrain Basin;
- educational workshops and lectures to local groups on topics of interest and concern;
- a citizen monitoring program to be carried out by local student and environmental groups;
- a Lakekeeper or Basinkeeper Program modeled after the Hudson Riverkeeper and San Francisco Baykeeper wherein boaters patrol waterways to discover and report sources of pollution not being detected by regulatory agencies, and heighten public awareness about problems facing the water resource;
- funding to give local organizations greater ability to detect violations (such as illegal dumping in waterways); and,
- through the CAC's activities and publications, increased citizen awareness about basin planning and management.

The Pontchartrain Basin CAC will consist of 20 to 25 people all of whom must live and/or work in the Pontchartrain Basin. Ten to twelve of the members will represent user groups throughout the basin, such as:

Paper and Pulp Industry
Timber/Forestry Industry
Oil and Gas Industry
(Shell Dredging Industry?)
Hunters and Fishermen
Seafood Processors/Restaurants
Farmers, Poultry Raisers and Cattlemen
Land and Homeowners
Tourism Industry
Yacht Clubs/Boating Industry
Recreational Users
Interested Citizens

Ten CAC members will represent private citizens from all geographic sections of the basin. Where they exist, locally-based environmental organizations will represent their respective geographic areas:

Citizens for a Clean Tangipahoa
Sparkling Rivers Committee
Tickfaw River Basin Group
Three Rivers Basin Foundation
Amite River Basin Commission
St. Tammany Coast Watch
St. Bernard Coast Watch
Gulf Coast Tenants' Association

In the more urbanized areas, where there are no local river or coastal organizations, nationally-based organizations will suffice. The presence of these national organizations in the CAC will also serve to bring in a larger network and resource base:

Orleans Audubon Society
Local Chapters of the Sierra Club (New Orleans and/or Honey Island)
League of Women Voters

The Pontchartrain Basin CAC will also have one representative of public education, to come from one of the following organizations:

Louisiana Science Teachers' Association
Louisiana Environmental Educators' Association
Louisiana School Supervisors' Association

Each organization selected will be contacted by the LPBF and asked to send a representative to serve a two year term on the CAC. It is suggested that CAC members serve no more than three consecutive terms and that the terms be staggered to avoid cliquishness and ensure that the CAC truly remains a citizen's group.

Recommended Bibliography

A starting list of useful publications on environmental public participation programs and citizen advisory groups includes the following:

Building An Effective Public Participation Program. 1989. Appendix B of Saving Bays and Estuaries: A Primer for Establishing and Managing Estuary Projects. Office of Marine and Estuarine Protection, U.S.E.P.A., August.

Education and Public Involvement Program. 1990. In Chapter 3, Action Plan of the 1991 Puget Sound Water Quality Management Plan. Puget Sound Water Quality Authority, Seattle, Washington, November.

Herz, Michael J. 1989. Who's Minding The Bay: A Report on the Feasibility of Establishing a Baykeeper for San Francisco Bay. Executive Summary. Berkeley, California, January.

The Matrices

Existing programs, materials, and data; recommendations; and specifics for achieving the recommendations, are given below in the matrices filled out by each of the Education/Outreach Subgroups: Education; Public Participation; and Research, Assessment, and Monitoring. The subgroups' recommendations will be overseen by the Pontchartrain Basin CAC. Some of the recommended programs will come directly out of the LPBF offices and be handled by the Education/Public Participation Coordinator, while others will be

delegated to other agencies and coordinated through the LPBF offices.

It is important to note, that while Education/Outreach Subcommittee members made every effort to include existing programs, materials, and data in these matrices, there is an abundance of such material, especially at the national level. It will be the job of the LPBF Education/Public Participation Coordinator to catalogue and keep abreast of available information, bringing relevant curricula, etc. to a committee of educators (see Education Matrix #2) for review and adaption to Pontchartrain Basin needs.

Acronym Reference

The following acronyms are found throughout the text and matrices of the Education/Outreach Plan:

BR	Baton Rouge	FUR	Fight Urban Runoff
CAC	Citizen Advisory Committee	GIS	Geographic Info. System
CMD	Coastal Mgmt. Division	LEERIC	La. Environ. Education Resource Center
CMP	Comprehensive Mgmt. Plan	LL&E	La. Land & Exploration
CEED	Coastal Education for Econ. Development	LNSC	La. Nature & Science Center
CFACT	Citizens for a Clean Tangipahoa	LPBF	Lake Pontchartrain Basin Foundation
DCRT	Dept. Culture, Recreation & Tourism	LSU	La. State University
DEQ	Dept. Environ. Quality	NO	New Orleans
DHH	Dept. Health & Hospitals	SLU	Southeastern La. Univ.
DNR	Dept. Natural Resources	S&WB	Sewerage & Water Board
DWF	Dept. Wildlife & Fisheries	UNO	University of New Orleans
EPA	Environ. Protection Agency	USDA	U.S. Dept. of Agriculture
ERIC	Environ. Resource Information Center	UWMRC	Urban Waste Management & Research Center

EDUCATION MATRIX

CITIZEN CONCERN: EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
<p>1) There must be a public education campaign that reaches all citizens via:</p>	<p>As listed below.</p>	<p>1. Hire an education coordinator at the Lake Pontchartrain Basin Foundation (LPBF). 2. Encourage multi-cultural approaches and involvement. 3. Improve signage on lake and tributaries regarding safety of swimming.</p>	<p>who: LPBF & State agencies when: ASAP</p>
<p>a) the media/ video;</p>	<p>The following agencies and groups have materials available: DEQ, DNR, EPA, DWF, La. Environ. Educ. Resource Info. Center (LEERIC), ERIC-UNO, LL&E, LSU Sea Grant, Corps.</p>	<p>1. Develop a video on Lake Pontchartrain (problems and solutions); develop resource packet with video for school/civic groups. 2. Initiate an advertising campaign to focus attention on basin and lake. Ask people to call for more information.</p>	<p>who: 1. LPBF/LSU Sea Grant/SLU Consortium; LEERIC (Emily Young in B.R.); Urban Waste Management & Research Center (UWMRC) at UNO (Carol Giffin-Jeansonne) 2. paid for by large companies and utilities when: ASAP cost: \$50,000+</p>

CITIZEN CONCERN; EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
<p>b) the participation of grass roots groups such as community clubs and sports groups;</p>	<p>DEQ Storm Drain Stencil Program; DCRT Litter Pick-ups; Citizens for a Clean Tangipahoa (CFACT) Education Committee's slide show and speakers bureau (designed for students and civic organizations)</p>	<p>1. Develop a list of organizations/groups to participate in stencilling and litter clean-ups. (See Public Participation Matrix, 3c). 2. Through speaker's bureau, address local groups. Give them specifics on what they can do to help. 3. Encourage multi-cultural approaches and involvement.</p>	<p>who: LPBF CAC and Speakers Bureau, CFACT Speakers Bureau, DEQ, Office of Litter Control and Recycling at DCRT, and citizen organizations when: ASAP</p>
<p>c) involvement of school children on environmental projects;</p>	<p>Storm Drain Stencil; Litter Pick-ups; Adopt-A-Beach/Canal/etc.; Project Cypress (cypress restoration program targeting school children, being developed at SLU); Trash to Treasure; CFACT Education Committee</p>	<p>Sponsor contests; get PTAs, schools and scout troops involved.</p>	<p>who: School system, LPBF CAC, CFACT, SLU</p>

CITIZEN CONCERN: EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
d) a Lake Pontchartrain oriented science fair;	There have been environmental contests in Jefferson schools - a group of grammar school students went to the state level and won for a depiction of the lake and its pollution problems.	Give (LPBF) award to best science research project at GNP Regional Science Fair; sponsor contests on Lake Pontchartrain: essay, art, music, etc.; have celebrity judge.	who: School system; LPBF CAC; large businesses; DEQ; and UWMRC, UNO
e) an awareness plan for schools;	Project Fight Urban Runoff (FUR, developed by local teacher Sue Ellen Lyons, has received national attention); volunteer booths at environmental fairs; CFACT Education Committee	Hire and support an education coordinator at LPBF to develop plan; develop a packet for teachers and students with video.	who: LPBF, teachers' organizations, CFACT when: ASAP

CITIZEN CONCERN: EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
f) government involvement;		<p>1. Information packet/workshops for govt. officials; lobbyist(s) for Pontchartrain Basin; continued involvement of state and local agencies on LPBF Board and Interagency Working Group; award to "Lake Advocate of the Year"; increase public awareness to put pressure on legislators.</p> <p>2. Involve parishes and municipalities (Dept. Econ. Dev. has mailing lists of mayors, police juries, econ. dev. groups, etc.)</p>	<p>who: 1. LPBF in conjunction with DEQ, DHH, DNR</p> <p>2. Cities and parishes in conjunction with Mary Jo Hanover at the Dept. of Econ. Dev., B.R.</p> <p>when: ASAP</p>

CITIZEN CONCERN: EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
<p>g) museums and interpretive centers on north and south shores;</p> <p>h) shelters with educational information and mini-nature centers on public access trails; and</p>	<p>Louisiana Nature and Science Center (LNSC) in New Orleans and their plan for mini nature center with trails at Bonnabel Canal; Wildlife and Fisheries Museum in Kenner; Turtle Cove Environmental Research Station teacher workshops; Swamp Walk at Joyce Wildlife Management Area (Tangipahoa)</p>	<p>1. Develop exhibits on the basin on north and south shores in cooperation with museums, zoo, aquarium, etc.; have guest speakers at exhibit.</p> <p>2. Implement LNSC mini-nature center plans.</p>	<p>Who: Audubon Institute, LPBF Speaker's Bureau, LNSC, UWMRC, UNO; CFACT Education Committee, SLU on north shore.</p> <p>cost: have Audubon Institute do proposal with cost</p>
<p>i) a speakers bureau.</p>	<p>Project FUR (see Education le); volunteer booths at environmental fairs; CFACT speakers bureau</p>	<p>LPBF must coordinate a speakers program (including screening speakers); gather information on GOOD speakers and disseminate through media, PR, etc.</p>	<p>who: LPBF in conjunction with existing speakers bureaus such as CFACT's and League of Women Voters.</p>

CITIZEN CONCERN: EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
2) A broad-based educational program must identify pollution sources and methods of correction, re:	As listed below.	The LPPF Education Coordinator can coordinate with a committee of educators to review existing science and environmental curricula and modify them to fit basin criteria.	Who: Cathy Cashio at the Gulf of Mexico Program for description of their curricula review process.
a) commercial/ industrial pollution;	The following have materials available: B.R. "Right to Know" Council, DEQ, EPA, and industry sources.	Compile data on industrial/commercial pollution; publish "polluter data", keep pressure on to keep shell dredging out.	Who: LPPF CAC & Education Coordinator, citizen groups
b) urban runoff;	Project FUR (Educ. #1e); DEQ Storm Drain Stencil; "Crusher I" (Custom Compactors Corp. machine crushes used oil filters, squeezing out oil for recycling); Project Coastal Educ. for Econ.Dev.(CEED) Monograph (joint LMSC-UNO dev. of educ. materials ²); UWMRC.	Push for recycled motor oil and household hazardous waste program; public awareness campaign on hazards of dumping and spraying hazardous materials; and litter clean-ups.	Who: DEQ, LPPF Education Coordinator in conjunction with media and citizen groups, and N.O. S&WB and Jefferson Parish Environ. Dept. cost: A "Crusher I" machine costs about \$1,000

² These materials include activity books for teachers on topics such as recycling, urban runoff and wetlands. There is also a video and guidebook for teachers on wetlands.

CITIZEN CONCERN: EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
(b) urban runoff continued)	Jefferson and Orleans Parishes are required by the EPA to have storm water management plans in place by Nov. 1992. N.O. S&WB's "source controls" for urban runoff will include:	<ul style="list-style-type: none"> a) eliminating illegal or illicit connections to storm drain system; b) improving litter and garbage control in streets and canals; c) monitoring proper fertilizer, insecticide, and herbicide use; d) sewer collection system repairs; e) increased enforcement of existing and future regulations; and f) proper disposal of household hazardous waste 	<ul style="list-style-type: none"> Who: LPBF Education Coordinator in conjunction with media and citizen groups
c) rural and agricultural runoff;	CFACT and Save Our Streams programs; La. Dairy Farmers Assoc. in conjunction with USDA, DEQ & EPA is developing a program on lagoons which will include a workshop and video	Increase public awareness.	

CITIZEN CONCERN: EDUCATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
d) pre-cycling (purchasing products which have a minimum of packaging, and with recyclable packaging);	LNSC's Program: Recycle New Orleans!	Educational program aimed at public awareness and children activists.	who: LPBF Educ. Coord. in conjunction with LNSC
e) general pollution prevention;	EPA and DEQ programs; "Crusher I"; CFACT Education Committee.	Public education.	who: LPBF CAC & Educ. Coord. in conjunction with state agencies and citizen groups.
f) the need for funding solutions; and	EPA environmental education grants.	Work on proposals for grants; develop a consortium with universities for educational packet development; voter education.	who: LPBF Educ. Coord. in conjunction with universities
g) respecting the rights of landowners and others.		1. Increase public awareness. 2. Educate area landowners about their rights and responsibilities regarding environmental protection for all concerned.	who: 1. Landowners through media sources. 2. Local govt., LPBF CAC, & local environmental groups.

PUBLIC PARTICIPATION MATRIX

CITIZEN CONCERN: PUBLIC PARTICIPATION	EXISTING PROGRAMS/MATERIALS	RECOMMENDATIONS	SPECIFICS
<p>1) A basin-wide management plan must include a rural and urban education program for all ages, to create awareness among citizens about how they can help eliminate pollution.</p>	<p>1. EPA Stormwater Program requires local authorities in large cities to engage in public education. 2. Curriculum guides: Waste in Place (K-6); Waste: A Hidden Resource (7-12). 3. Litter Control, Recycling Bulletin 1722, State Dept. of Educ. Public information materials: Boater's Pledge; PALS; Great La. People's Pledge; and Public service announcements. 4. DEQ Non-point Source Program: stenciling program, citizen monitoring; natural lawn care program; and education for local govt. officials about best mgmt. practices.</p>	<p>Create a Lake Pontchartrain Pledge along the lines of the Boater's Pledge and Great LA People's Pledge and have it available at LPBF Back to the Beach and other fundraisers, with a booth for decorating frames for the pledge.</p>	<p>Who: 1. N.O. S&WB and Jefferson Parish are responsible for public education plans. 2. Science Supervisors and Master Teachers are responsible for curriculum guides. Public information officers in private industry are responsible for public information materials. 3. DCRT (Barbara Coltharp) disseminates this info. 4. DEQ (Anne Rheams) develops these programs when: Public education plans (in stormwater treatment program) due November 1992. Others are continuing programs.</p>

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<p>2) There should be an education program on urban runoff which fosters public financial support and citizen monitoring.</p>	<p>1. EPA Stormwater Permit process is in place in Orleans and Jefferson Parishes and requires public education components.</p> <p>2. Nonpoint Source Pollution program, DEQ (Anne Rheams).</p> <p>3. Project FUR (see Education 1e) (Sue Ellen Lyons).</p> <p>4. CFACT citizen monitoring and litter pick-ups.</p>	<p>1. Involve citizens through LPBF and other environmental interest groups.</p> <p>2. Enlist LSU Cooperative Extension Agents to develop public service announcements, videos, and slide shows for public presentation.</p> <p>3. Apply existing educational programs and hands-on projects from DEQ, Jefferson Parish, Orleans Parish and Project FUR to Pontchartrain Basin.</p> <p>4. Prioritize Urban Runoff sources and educate public on findings to encourage their participation in source reduction.</p>	<p>who: N.O. S&WB (Gordon Austin), Jefferson Parish (Marnie Winter), LPBF, LSU Cooperative Extension Agents, DEQ.</p> <p>when: Public education plans (in stormwater treatment program) due November 1992.</p>

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<p>3) There must be continuing grassroots involvement such as:</p>	<p>Materials, newsletters, bulletins in the Office of Litter Control & Recycling, DCRT; DEQ programs such as Storm Drain Stencil; CFACT programs.</p>	<p>1. Involvement of garden clubs, school groups, churches, and business/civic organizations. 2. Greater emphasis on waterway, storm drain littering and waste disposal.</p>	<p>who: citizen groups in conjunction with state and local agencies</p>
<p>a) public participation in the planning process;</p>	<p>The current Comprehensive Management Plan process which is coordinated through UNO and the LPBF on a grant from the EPA.</p>	<p>1. Create a Public Participation/Education position within the LPBF. 2. Create an ongoing Citizen's Advisory Committee for planning, with a voting position on the LPBF Board. 3. Create citizen watchdog groups supported by LPBF or some inter-agency group.</p>	<p>who: LPBF when: now</p>
<p>b) involvement of school children in environmental education and projects such as reseeding/replanting marshes; and</p>	<p>See Education Matrix, #1c, d and e.</p>		

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<p>c) regular citizen garbage pickups (such as beach sweeps).</p>	<p>Programs: 1. DCRT: a. Beach Sweep & Inland Waterway Cleanup (9/19/92); b. Adopt-A-Beach (Amoco has adopted a section of Lake Pontchartrain's shoreline); c. Boat-er's & other Pledges 2. DNR, CMD: Christmas Tree Project 3. CFACT pickups 4. Turtle Cove teacher workshop Materials: 1. "September Sweep-La's 1987 Beach Sweep", Lindstedt & Holmes (La. Geological Survey, 1988). 2. "Extent & Sources of Litter in Coastal Louisiana" DNR, CMD (La. Geological Survey, 1988). 3. "Cleaning North America's Beaches - 1990 Beach Cleanup Results," Center for Marine Conservation.</p>	<p>1. Apply existing programs, i.e. Beach Sweep & Inland Waterway Cleanup, Adopt-A-Beach, Boater's Pledge, to Lake Pont. 2. Enlist more workers, boats and specific area coordinators for sweeps. 3. Reduce trash by identifying source: A. Involve fast-food businesses in source reduction by: i. picking up trash within 1 block radius of business; ii. reducing plastics; iii. involve businesses in ident. of trash sources. B. Est. research sites to monitor and catalog types of trash daily for 1 week. C. Coord. local govt. and diverse citizen's groups such as civic groups, service organizations, sportsmen's groups, students, and local businesses.</p>	<p>Who: Pontchartrain Basin CAC (LPBF), Office of Litter Control and Recycling, DCRT, any interested environmental groups.</p>

ASSESSMENT, RESEARCH & MONITORING MATRIX

CITIZEN CONCERN: ASSESSMENT	EXISTING DATA	RECOMMENDATIONS	SPECIFICS
<p>1) Determine where we are (assess condition and needs of basin).</p>	<p>1. The primary source for studies on the lake is the Lake Pontchartrain Basin Bibliography, recently compiled for the Basics of the Basin Symposium. Sources of raw data from agencies and universities should be added to it.</p> <p>2. Another current source of data is the abstracts from the Basics of the Basin Symposium, published by the LPBF.</p>	<p>1. Produce a series of publications in layman's language describing the condition and needs of the basin. The publications should provide a historical perspective.</p> <p>2. Publish proceedings of the Basics of the Basin Symposium.</p> <p>3. Identify sources of funding for agencies, universities, and organizations to analyze existing raw data.</p>	<p>who: LPBF, or its contractors, university environmental education departments, resource agencies.</p> <p>when: Spring academic session, 1993</p> <p>cost: grants should be applied for</p>

CITIZEN CONCERN: RESEARCH	EXISTING DATA	RECOMMENDATIONS	SPECIFICS
<p>2) There must be an ongoing, coordinated, inter-agency research program that will continue to address the needs of the basin as a whole within its hydrological boundaries</p> <p>a) develop a baseline study of natural vegetation and species/organisms in the basin;</p> <p>b) conduct fisheries analysis and monitoring;</p> <p>c) measure salinity across basin;</p>	<p>1. Currently, agencies and universities are conducting ongoing research and monitoring activities within the basin</p> <p>2. Information exists at UNO (Biology Dept. and UWMRC), LSU, LSU (Institute for Recyclable Materials), Tulane, Southern University at B.R. (Center for Energy & Environmental Studies), and DWF. See Lake Pontchartrain Basin Bibliography.</p>	<p>1a. LPBF must keep abreast of research being done in basin and assemble an inventory of studies including a series of publications in layman's language describing the nature of the work that has been done and is being done. b. Schedule Basin Symposium as an annual event.</p> <p>2. Organize a coordinated program for research within the hydrological boundaries of the basin which includes all relevant environmental parameters. 3. Networking and data sharing should be done with the National Estuaries Program (NEP), EPA Gulf of Mexico Program, and the Amite River Basin Comm.</p>	<p>Who: LPBF or its contractors, university environmental education departments, resource agencies, LA Cooperative Extension Service</p> <p>When: Spring 1992</p>

³ University centers and departments listed here are those known by author; this is not intended to be an all-inclusive listing of university information sources.