

Appendix C: Environmental Resources Inventory

The “Environmental Resources Inventory Committee”, a subcommittee of the focus group, identified features to be considered during the creation of a natural resource protection plan (Action 2.1). The data should be included in the mapping systems and geographic information systems of local government agencies.

The subcommittee identified features for each map layer, their availability by the City of Houston’s Planning & Development Department, and possible sources for maps which were not currently available.

DATA	AVAILABILITY	POSSIBLE SOURCE:
<i><u>Natural Features</u></i>		
Topography	Not in City’s Metrocom system	USGS Maps
Waterways:		
Natural bayous	Yes	
Channelized bayous	Not in City’s Metrocom system	HCFCDD, TXDOT
Watershed boundaries	Yes	
Soils	In progress	
Vegetation	Not in City’s Metrocom system	USGS Maps
Habitat areas	Not in City’s Metrocom system	TPWD
Active surface faults	Yes	
Land surface subsidence	Yes	
Minerals	Not in City’s Metrocom system	
Oil fields	Not in City’s Metrocom system	TNRCC
<i><u>Man-made Features</u></i>		
Highways & neighborhood streets	Yes	
Airports	Yes	
Utility corridors	Not in City’s Metrocom system	
Parks & public open space	Yes	
Hike & bike trails	Yes	
Cultural, historic and archeological sites	Not in City’s Metrocom system	“Cultural and Historical Profile” Planning &

Landfills	Yes	Development Department
Permitted effluent discharge points	Not in City's Metrocom system	NPDES application permit maps
Water districts and wastewater treatment plants	Yes	
<i><u>Political Divisions</u></i>		
City Council District boundaries	Yes	
County Commissioner Precinct boundaries	Yes	

Appendix D: References

Acronyms

BPA: Bayou Preservation Association
EIA: Environmental Impact Assessment
EIS: Environmental Impact Statement
FEMA: Flood Emergency Management Agency
GHPA: Greater Houston Preservation Association
H-GAC: Houston-Galveston Area Council
HARC: Houston Advanced Research Center
HCFCD: Harris County Flood Control District
ISTEA: Intermodal Surface Transportation Efficiency Act
METRO: Metropolitan Transit Authority
NPDES: National Pollutant Discharge Elimination System
P&D: Planning & Development Department
PW&E: Public Works & Engineering Department
TNRCC: Texas Natural Resource Conservation Commission
TPWD: Texas Parks & Wildlife Department
TXDOT: Texas Department of Transportation
USGS: United States Geological Survey

Glossary

Channelization. The straightening and deepening of channels and/or the surfacing thereof to permit water to move rapidly and/or directly.

Conservation easement. Easement in which the jurisdiction acquires less than fee title in property in order to protect its scenic and conservation attributes.

Drainage System. The system through which water flows from the land, including all watercourses, waterbodies and wetlands.

Easement. A right-of-ways granted, but not dedicated, for limited use of private land for a public or quasi-public purpose and within which the owner of the property shall not erect any permanent structures.

Stormwater. Every time it rains, run-off carrying oil residue from the streets, pesticides and fertilizers, animal droppings, and debris (among other things) wash into and travel through waterways and drainage ditches.

Bibliography

Arendt, Randall, "How to Create a Subdivision with Character," *Planning*, pp. 24 - 26, May 1994.

Cohen, Sharon, "Many Leave Floodplain Behind," *Houston Chronicle*, Sunday, July 10, 1994.

Fairbanks, Janet and Toma, Lan Xu, "Room to Roam," *Planning*, pp. 24 - 26, January, 1994.

"Drainage Study Fact Sheet," *Conference: Bayous, Recycling an Urban Resource* November 22, 1975.

Federal Emergency Management Agency, *Drainage Features Harris County*, March 1994.

"Flood Prone Areas Permit Process and Flood Prone Areas Platting Process," per Chapter 19 of the City Code of Ordinances, Turner Collie & Braden, *Comprehensive Storm Drainage Plan* (not yet adopted).

Glentzer, Molly, "A Moveable Flood," *Houston Metropolitan*, Vol 18, No 11, pp. 25 - 30, August, 1992.

Goldman, Benjamin, "Bad Water Quality in Harris County: People Dump Chemicals into Water and Land," *The Truth About Where You Live*, Random House, 1991 (provided by Geoscience Technology Focus Group Member).

"*Guiding Growth: Building Better Communities and Protecting our Countryside*," Pennsylvania Environmental Council, Inc., 1991, pp. 2-1 to 2-5; 5-5 to 5-8.

Harris County Engineering Department, *Controls of Land Use in Unincorporated Harris County*, 1994.

Harris County Engineering Department, *Driveways and Culverts: Regulations of Harris County, Texas for the Construction of Driveways and/or Culverts on County Easements and Rights of Way*, Permit Division, January 1994.

Harris County Engineering Department, *Floodplain Management: Regulations of Harris County, Texas for Floodplain Management*, Permit Division, October 1993.

Harris County Flood Control District, *Organization Budget Summary*, FY 1994-1995.

Harris Galveston Coastal Subsidence District, *District Plan*, April 1992.

Harris, County of "Revised Rules of Harris County, Texas for On-Site Sewerage Facilities," Adopted July 5, 1988.

Harris, County of , "Regulations of On-Premise Signs in the Area of Municipal Extraterritorial Jurisdiction in Harris County," Adopted May 17, 1988.

-
- Harris, County of , *Regulations of Harris County for the Placement of Signs Visible From the Main-Traveled Way of a Toll Road Within Harris County, Texas*, Adopted August 20, 1985.
- Harris Galveston Coastal Subsidence District, *Groundwater Report*, Adopted May 11, 1994.
- Houston-Galveston Area Council, “Regional Recycling Resource Center,” *Program Profile*, August 1994.
- Houston-Galveston Area Council, *Solid Waste Management Plan for the H-GAC Region 1992-2012*, Community and Environmental Planning Department, 1992.
- Houston-Galveston Area Council, *Executive Summary of the Solid Waste Management Plan for the H-GAC Region 1992-2012*, Community and Environmental Planning Department, 1992.
- “Houston’s Bayous: Quality and Quantity of Water,” *Conference: Bayous, Recycling an Urban Resource*, November 22, 1975.
- Houston, City of, *Consumer Recycling Center*, Consumer Recycling Center, 1994.
- Houston, City of, *Data Structure of the Metrocom Data Base*, Planning & Development Department, April 4, 1994.
- Houston, City of, *Demographic and Land Use Profile*, Comprehensive Planning Division, Planning & Development Department, City of Houston, 1992.
- Houston, City of, “Houston’s Water Production: Groundwater vs. Surface Water (mgd),” Department of Public Works & Engineering, Surface Water Transmission Program.
- Houston, City of, *Current Land Use Ordinances That Affect Location*, Planning & Development Department, 1994.
- Houston, City of, *Demographic Profile: 1990 Census Data for 1994 Boundaries*,” Research & Analysis Division, Planning & Development Department.
- Houston, City of, “Environmental Source Book” *Houston Chronicle Advertising Supplement*, November 3, 1994.
- Houston, City of, *Schematic Diagram of Houston Area Surface Water Rights*, Public Works & Engineering Dept., July, 1994.
- Houston, City of, “Solid Waste Collection and Disposal and Recycling in Houston,” Solid Waste Management Division, Handout, October 1994.
- Houston, City of, *Solid Waste Management Residential Waste Composition Study*, June 1994.
- Houston, City of, *Subsidence: Land-Surface Subsidence Within the Houston-Galveston Region*, Research & Analysis Division, Planning & Development Department, May 1993.
- Houston, City of, *Trans-Texas Water Program*, Public Works & Engineering Department, 1994.
- Houston, City of, *Public Utilities Profile*, Comprehensive Planning Division, Planning & Development Department, City of Houston, 1994.

-
- Houston, City of, *Faulting in the Houston Area*, Research & Analysis Division, Planning & Development Department, March 1993.
- Houston, City of, *Generated Municipal Solid Waster: Composition and Quantities for Texas*, Solid Waste Management Division, Public Works & Engineering Division, 1991.
- Houston, City of, *Health Objectives 2000*, Health Department, Spring 1994.
- Houston, City of, *Municipal Utility Districts (MUD) Map*, Planning and Development Department, 1993.
- Houston, City of, *Recycling Handbook*, Solid Waste Management Division, 1994.
- Houston, City of, *Recycling Programs Overview*, Solid Waste Management Division, 1994.
- Houston, City of, *Summary of Regulatory Status, City of Houston Potable Water Supply, Compounds Regulated and Currently Enforceable*, Water Quality Control Division, Public Works & Engineering Department.
- Houston, City of, *Water Quality News Drip*, Water Production Division, Public Works & Engineering Department, October 1993.
- Houston, City of, *Environmental Technical Report*, Department of Planning & Development, (not yet published).
- Houston, City of, *Response to Municipal Utility District Inquiry*, Research & Analysis Division, Planning & Development Department, April 15, 1994.
- “How Houston Could Soar or Crash,” *Wall Street Journal*, July 6, 1994.
- Jovicich, Stephen, *The Value of Life Systems in an Urban Environment*, Heights Venture Architects, 1994.
- Klineberg, Stephen, and Foster, Angela, “How our Environmental Awareness is Growing,” *The Houston Post*, Monday, July 27, 1992.
- Klineberg, Stephen, Ph.D., *Making Sense of Our Times, Five Revolutionary Trends*, Department of Sociology, Rice University, Fall 1993.
- Klineberg, Stephen, Ph.D., *The Texas Environmental Survey, 1990-1992*, Department of Sociology, Rice University, October 1992.
- Klineberg, Stephen, Ph.D., *Public Attitudes in a Time of Economic Recession: The Texas Environmental Survey, 1990-1992*. Department of Sociology, Rice University.
- Knack, Ruth Eckdish, “From McPlace to This Place,” *Planning*, pp. 14 - 18, April 1994.
- Knack, Ruth Eckdish, “Neotrad Meets the Midwest,” *Planning*, pp. 29 - 31, April, 1993.
- Lobpries, David, “Waterfowl on the Katy Prairie: Utilization and Trends,” *Katy Prairie Conference*, October 1993 (revised 1994.).
- Makinen, Tim. “Lansing drafts business-style recycling plan,” *Lansing State Journal*, 1994.
- Mayor Lanier’s Transition Team Committee on the Environment, *Interim Report*, 1992.

-
- Sheridan, Diane B., *Environmental Trends for the Houston Area*, Speaker notes, University of Houston Futures Forum, April, 1994.
- State Department of Highways & Public Transportation, *The Landscape Cost Sharing Program*, Maintenance and Operations Division, Landscape Section, May 15, 1990.
- “Special Series on Toxins, Poisons, Hazards, and Public Health,” *Envirogram*, Vol. 6, 1994, newsletter of Geoscience Environmental Mapping Systems and Services.
- “Subdivision Platting Procedures,” as per Chapter 42 of the City Code of Ordinances, Turner, Collie & Braden, *Comprehensive Storm Drainage Plan*, (not yet adopted).
- Texas Comptroller of Public Accounts, “Change Looms as Texas Enters a Brave New World in the year 2025,” *Fiscal Notes*, January, 1994.
- Texas Natural Resource Conservation Commission, *The Texas Clean Rivers Program*, August 1994.
- Texas Natural Resources Conservation Commission, *Summary of Texas I/M Programs*, November 10, 1993.
- Texas Natural Resources Conservation Commission, *Texas Air Care Locations*, Hand-out, 1994.
- Tulsa, City of, *From Harm’s Way: Flood Hazard Mitigation*, Public Works Department, 1993.
- Tulsa, City of, *A General Guide to Regulatory Floodplains*, Public Works Department, 1992.
- Tulsa, City of, *Official Notice: Flood Hazard Information*, Public Works Department, 1992.
- Tulsa, City of, *Regulatory Floodplain Map Atlas*, Public Works Department, October 7, 1993.
- Turner, Collie & Braden, “Harris County Flood Control District Review & Approval Procedure for Drainage Plans,” *Comprehensive Storm Drainage Plan*, 1994, (not yet adopted).
- Vaclav Havel, “The New Measure of Man,” *The New York Times*, Friday July 8, 1994.
- Williams, Phillip B, “Flood Control vs. Flood Management,” *Civil Engineering*, May 1994, pp. 51- 54.
- “Your Community’s Garden,” *Urban Harvest*, A Community Garden and Orchard Program of the Park People, 1994.

Appendix E: Acknowledgments

The staff and participants of Imagine Houston would like to thank the following organizations and people for their generous support of this process.

Austin High School
Barbara Jordan High School for Careers
Central Houston, Inc.
City of Houston Parks and Recreation
Department
First United Methodist Church
George R. Brown Convention Center
Greater Houston Convention and Visitors
Bureau
High School for Law Enforcement and
Criminal Justice
Hilton Southwest
Houston Architectural Foundation
Houston Community College
Houston Chronicle
Houston-Galveston Area Council
Houston Post
Junior League of Houston, Inc.
KHOU Channel 11
Memorial High School
Mount Carmel Senior High School
Municipal Access Channel
Sharpstown Recreation Center
Spring Shadows Pavilion
Texas Southern University
University of Houston
Velia's Cafe

Focus Group Resources

Facilitators: M'lis Hindman and Pam
Lester

Speakers:

Dick Flannery, Assistant Manager, TNRCC
Jacqueline Lentz, Senior Air Quality Planner,
H-GAC
David Myers, District Conservationist, HCSCD
John Blount, Asst. Manager, Harris Co.
Engineering
John Koros, Environ. Services Coordinator,
HCFC
Chuck Settle, Chief Engineer, City of Houston,
PW&E
Roger Holbert, Dep. Asst. Director, PW&E
Robert Thompson, Engineer, HGCS
Stephen A. Jovicich, Heights Venture
Architects
Bill Petty, Environmental Technologist, City of
Houston

Steering Committee:

Chair

David Berg

Co-Chairs

Yolanda Navarro Flores
Harry Gee, Jr.
Laurence Payne

Members

Azalea Aleman
Francisco Agraz
Judith Craven, M.D.
Duke C. Dillon
Dora Fannon
Marie Flickinger
Fred P. Gaines
The Honorable Alexander Green
Jim Greenwood
Julia Guajardo
Bill Hartman
Joann Horton, Ph.D.
Christina Huston
Mavis Kelsey
Nathelyne Kennedy
Linda Knight
Julio S. Laguarda
The Reverend Bill Lawson
Leo E. Linbeck
Meredith Long
Daniel D. Louie, D.D.S., Ph.D.
George Lunn
Patricia Maddox
Ernesto Maldonado
Marion A. McCollam
Raj Natarajan
Yolanda Black Navarro
Peg Nosek, Ph.D.
Peter Oxman
Kris Porcher
Perry Radoff
Robert Rivera
Alexander F. Schilt, Ph.D.
Carroll Shaddock
Kevin Shanley
J. Landon Short
J. J. Smith
Peggy Smith, Ph.D.
Reyna Teamer
Rosie Zamora-Cope

Alternate Members:

Glenda Barrett
Ervan Chew
John Cryer, III
Flora Maria Garcia
Robin Harrison
Bob Kendrick, Ph.D.
Elaine Neyland
Bob Randall, Ph.D.

Herbert B. Rothschild, Jr., Ph.D.
Erik Slotboom
Jeff Taebel
Lisa Terry
Byron Zaner

Focus Group**Members****Steering Committee****Representative**

Kevin Shanley

Steering Committee**Alternate**

Glenda Barrett

Mary Jane Accardo

Ruma Acharya

Debra Anglin

Keiji Asukura

Nancy Bailey

Fred Baldwin

Rosie Barrera

James M. Bauknight, Jr.

Phil Bedient

David H. Berg

Ken Berg

Sadie Gwin Blackburn

John B. Blount

Luis Alberto Bodmer

Bill Bradshaw

L.S. "Pat" Brown

Russ Budnick

Gus E. Cantu

Richard Cate

Claire Caudill

Margaret Chionis

Stephen Chung

H.C. Clark

Mr. Curt Clemenson

Ms. Ginny Crain

Rosie J. Darby

Dolly Davis

Norris O. Davis III

J.F. Delaney

Duke C. Dillon

Sherri Dunlap

Leslie K. Elkins

Anna Fisher

Richard E. Flannery

Andre R. Gaines

Theo Glanton

Mel A. Goodwin

David Gresham

Barbara Gubbin

Don Hahn

Maury Harris

Bill Hartman

Robert J. Hartsfield

Rodney N. Harvey

Terry Hershey

David High

Palestine B. Hines

Toni Hixon

Sandra Hoover

Stephanie Hrabar

DeWayne Huckabay

Roger W. Hulbert

Sonya Ibrahim

Humphrey M. Ihejirikah

JoAnn Jarreau

Bridget Jensen

Lynne Johnson

Bob Johnson

Ronald K. Jones

Dennis Joyce

Rana E. Karim, P.E.

Ronald D. Kelling

Inel Klein

John M. Koros

Zita Giraldo Lang

Ronald E. Langston

Larry J. Lanz

R. Michael Lee

Barbara D. Lemm

Jacqueline M. Lentz

Sylvia Lima

Hardy Loe, Jr.

Kathy Lord

Sandra Lord

Richard McGrann

Holly Montalbano

Joe Morton

Maureen Mulrooney

Dan Naite

Isabel Nart

Bill Neuhaus

Elaine Neyland

Julia Nicastro

Leve Nickens

Ed O'Rourke

Terry O'Rourke

Oretta Ollison

Anne Olson

Shelia E. Orndorff

Carolyn Osborne

Paul Owen

Johnnie F. Parker

Jim Pulliam

Bob Randall

Donthi Manohar Reddy

Brian Rich

Carolyn Richards

Mike Rodgers

Karen Rosell Keith

Eric Ruckstuhl

Vince Ryan

Peter A.H. Samuels

Levette Schlesinger

Bill Schuessler

Robert J. Schwartz

Charles F. Settle

Carroll Shaddock

Jennifer Shepard

Catherine Sherman

Babloo Singh

Lynda C. Smith

Jan Smith

Javonnie Smith

William T. Snypes

Victor Solorzano

Richard Somerville

Charles Tapley

Dan Thibant

Robert Thompson

Cecil Toombs

Jo Ann Trial

Rosalinda Vives

Leta Warren

Thomas Wesp

Mary Ellen Whitworth

Page Williams

John D. Wilson

Anne Wood

Elmo Wright

Orviss L. Young Sr.

Planning and Development Department

Donna H. Kristaponis, Director
Robert M. Litke, Deputy Director
Patricia Rincon-Kallman, Assistant Director, Long Range Planning
Madan Mangal, Division Manager, Long Range Planning
Karla Taylor, Public Information Officer

Imagine Houston Team

Margaret Wallace, Project Manager
Marjorie Blythe, Administration Manager
Charles Frederiksen AICP, Administration Manager
Neva Dean, Project Coordinator
Meleka A. Meleka, Focus Group Team Leader
Sharyn Caprice Goodpaster, Focus Group Liaison
Lynette Lay, Focus Group Liaison

Project Support

Gil Banks	Lydia King
Irene Briones	Maria Lara
Jeannine	Annette Mitchell
Caracciolo	Becky Nevers
Patricia Cotton	Alysia Richards
Gwen Cox	Joseph Sorensen
Janeen Delafosse	Mary Welch

Consultants

Ron Thomas, Community Design Exchange
Jinni Benson, Community Design Exchange
Betti Maldonado, Maldonado Consulting
Alma Newsom, Newsom Communication Group
Randhir Sahni, Llewelyn-Davies-Sahni, Inc.
Jonathan Smulian, Llewelyn-Davies-Sahni, Inc.
