

Dickinson Bayou Watershed Partnership



Bud Solmonsson, Watershed Coordinator
Texas Cooperative Extension/Texas Sea Grant
The Texas A & M University System

Dickinson Bayou Watershed Partnership

Purpose of the project

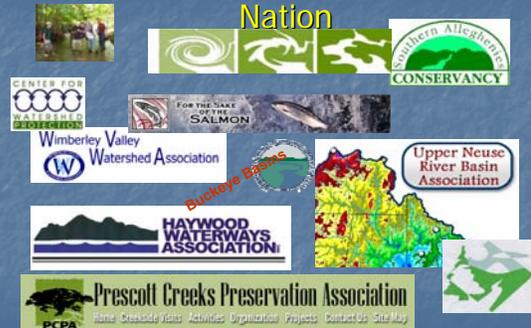
To develop and implement a voluntary consensus based watershed protection plan for the Dickinson Bayou Watershed

Dickinson Bayou Watershed Partnership

Why was the Dickinson Bayou Watershed Partnership formed?

The Partnership will work toward the creation and implementation of a voluntary consensus based watershed management plan for Dickinson Bayou Watershed.

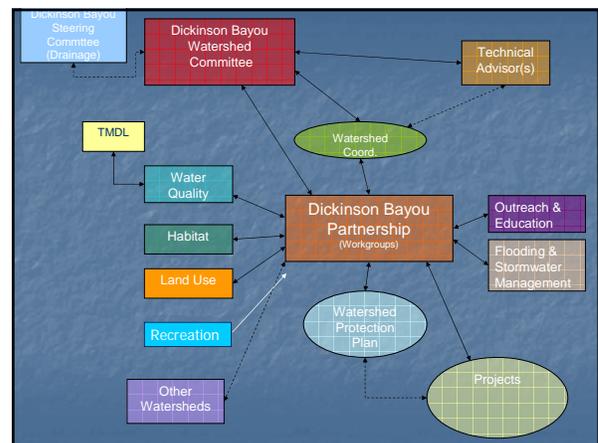
Watershed Groups around the Nation



Advisory Committee of the Dickinson Bayou Watershed Partnership

Workgroup Committee Chairs

- Habitat – Charriss York
- Land Use – Mayor Julie Masters
- Flooding and Stormwater – Brian Craig
- Water Quality – Dr. Antonietta Quigg
- Recreation – Rick Johnson
- Education and Outreach – Sara Snell



Dickinson Bayou Watershed Steering Committee

Type	# of Positions	Name/Organization
Agencies	5	TX Parks and Wildlife, GBEP, US Fish and Wildlife, NOAA, GLO
Business	3	Hillman's Shrimp & Oyster & Penreco
City, City Agencies	6	Santa Fe, League City, Dickinson, Texas City
Related Not-for Profits	6	Galveston Bay Foundation, Master Naturalist, TPL, TNC, and Keep Dickinson Beautiful
Residents	4	Citizen/Stakeholders
Universities	2	University of Houston - Clear Lake, TX Coop. Ext. and College of the Mainland
Agriculture	1	Waters Davis Soil and Water Conservation District
Council of Governments	1	Houston-Galveston Area Council
Drainage and Water Districts	2	Galveston WCID #1

Mission Statement

To protect, preserve, and restore the quality of the Dickinson Bayou Watershed and its communities.

Vision Statement

*Dickinson Bayou Watershed is a place where people live, play, swim, fish, and boat in clean water

Goals

1. Dickinson Bayou and its tributaries meet or exceed current Texas water quality standards
2. Develop and implement a monitoring strategy to evaluate the effectiveness of watershed protection and restoration methods
3. Protect, restore and create valuable natural habitats throughout the watershed
 - 3a. Protect and restore fish and wildlife resources in the watershed
 - 3b. Reduce exotics
4. Reduce the impact of flooding on homes and businesses, using the watershed's natural ability to absorb floodwaters whenever possible
5. Improve awareness and understanding of Dickinson bayou watershed and its value to the communities through education and outreach
6. Establish a process for coordination and cooperation between citizens and entities impacting the watershed regulations and infractions
7. Promote citizen stewardship of the bayou and its watershed
8. Integrate quality of life issues in watershed plan

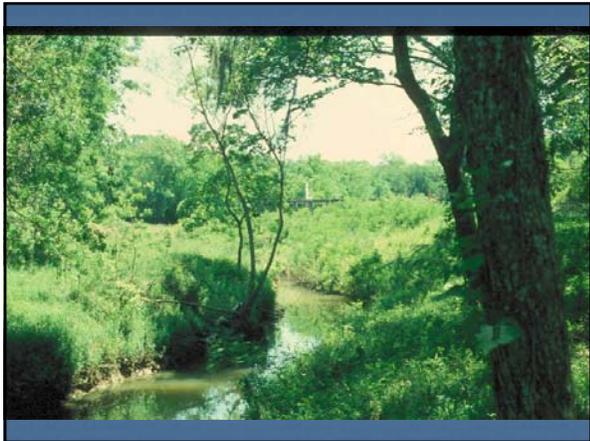


Dickinson Bayou - Land Use
Land Cover - HGAC Land
Cover 2002

ObjectID	Value	Count	area/cell (m2)	area/total (m2)	area/total (sqmi)	%
0	1	26,576	900	23,918,400	9.34	8.8%
1	2	16,507	900	14,856,300	5.80	5.5%
2	3	27,115	900	24,403,500	9.53	9.0%
3	4	129,340	900	116,406,000	45.47	43.0%
4	5	80,396	900	72,356,400	28.26	26.7%
5	6	7,686	900	6,377,400	2.49	2.4%
6	7	2,239	900	2,015,100	0.79	0.7%
7	8	9,539	900	8,585,100	3.35	3.2%
8	9	2,159	900	1,943,100	0.76	0.7%
			Total	270,861,300	106	100%

Dickinson Bayou Land Cover
H-GAC 2002







Dickinson TMDL

Dickinson Bayou has been included on every 303(d) list prepared by the state of Texas since 1976

2004 Impairments

Above Tidal	1104	Contact Recreation	Bacteria
Tidal	1103	Contact Recreation Aquatic Life	Bacteria Dissolved Oxygen

Dickinson Bayou Watershed

- **Partnership**
 - Meet at least 2x a year
 - Made up of local, regional and state stakeholders
- **Steering Committee**
 - Meet at least 4x a year (If needed)
 - Members from the Partnership
 - Committee will assist in the development of the plan and coordination of the partnership and workgroups
- **Workgroups (Habitat, Water Quality, Education/Outreach, Land Use, Flooding/Stormwater, Recreation)**
 - Meet as needed
 - Formed out of priorities/subject areas of interest
 - Share information, generate ideas, review work, develop subject content of the plan and foster consensus and implementation of the plan

Meeting Schedule To Date

- Partnership Meeting April '07
- Steering Committee Meeting March '07
- Watershed Committee Meeting August '07
- Workgroup Meetings January – December '07
- Partnership Meeting December '07



Dickinson Bayou Watershed Partnership Steering Committee Meeting (Now to be called "Advisory Committee")

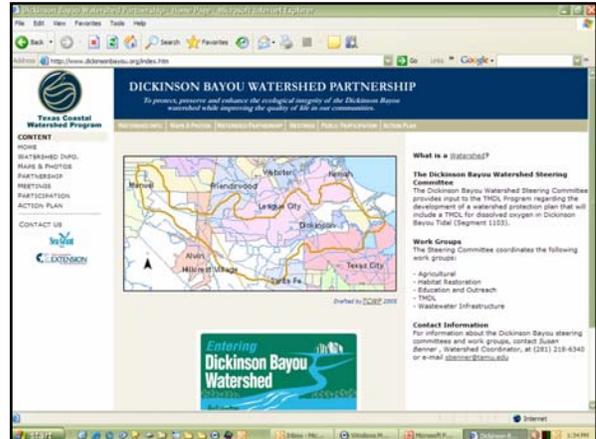
Dickinson Bayou Watershed Plan Elements

(Includes EPA's 9 Elements)

- State of the watershed
- Identify pollutant sources
- Current levels and trends of pollutants
- How much do we need to reduce those pollutant by
- How can we address the problem

Dickinson Bayou Watershed Plan Elements

- Create a prioritized list of solutions
- Who has the expertise and funds
- Schedule for action
- Criteria to oversee progress
- Monitoring plan



FOR MORE INFORMATION

E-mail: bsolmonsson@tamu.edu

Phone: 281-218-6340

Internet: www.dickinsonbayou.org

www.urban-nature.org



TEXAS COASTAL WATERSHED
PROGRAM