

THE TRUST *for* PUBLIC LAND
CONSERVING LAND FOR PEOPLE

**GIS & Stakeholder Involvement:
A Customized Watershed Planning Process**

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Growth + **Open Space** = **???**

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Imagine...

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What TPL does: *Conserve Land for People*

The Trust for Public Land conserves land for people to enjoy as parks, gardens, and other natural places, ensuring livable communities for generations to come.

TPL Mission Statement

8

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TPL's Conservation Services –

TPL Services

Conservation Vision (greenprinting)	Conservation Finance	Conservation Transactions
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Help communities identify land for protection or restoration


Create funding for parks and land conservation

Evaluate and purchase land for parks and conservation


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Conservation Visioning - Greenprinting




Wildlife Protection




Trail Connections




Park Equity



Water Quality



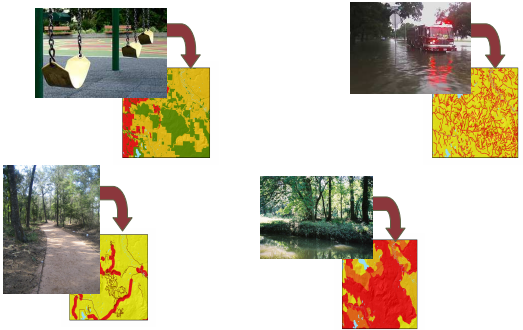
Composite



7

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Greenprint Modeling – A Systematic Approach



8

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Greenprinting Formula

GIS
+ Stakeholder Input
Priority Maps & Implementation Plan

- Engages community leaders and stakeholders in a **collaborative effort** to define conservation priorities
- Incorporates criteria that reflect regionally and locally distinctive resources and objectives.
- Stakeholders participate in assigning relative importance to the model criteria.

9

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3 Phases of a Greenprint

Phase I. Watershed Assessment
Identify areas where land conservation provides the greatest benefit to community priorities.

Phase II. Exchange
Address issues and identify strategies through an exchange.

Phase III. Implementation
Fine-tune strategies and begin locally-driven implementation efforts.

10

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Saving Our Coastal Heritage – Armand Bayou Watershed Greenprint



11

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Phase I – Watershed Assessment

- Kick-off meeting to identify key watershed goals.
- TPL GIS staff and local committees collect data and define the goals.
- Stakeholders weigh the goals and sub-criteria.
- Develop issues questions for implementation planning.

12

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Model Outline – Armand Bayou Greenprint

- I. Provide Public Access and Recreation**
 - Park Equity Analysis
 - Strategic Trails Locations
 - Water Access
 - Expanding the Chain of Lakes
- II. Protect Habitat**
 - Coastal Tallgrass Prairies
 - Coastal Flatwoods
 - Natural Areas Along Channelized Streams
 - Unchannelized Stream Segments
 - Sensitive and Endangered Species Hotspots
- III. Improve Water Quality**
 - Nutrient Impairment
 - Low Dissolved Oxygen
 - Pathogens
 - Chlorophyll-a Impairment
- IV. Reduce Flood Damages**
 - 100-Year Flood Plain
 - Repetitive High Flood Loss Areas
 - Floodway
 - Existing and Proposed Detention Basins
- V. Protect Water Quality**
 - Water Quality Protection Areas

33

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Model Results

Weighting Results – the Community Values:

• Protect Habitat:	30%
• Protect Water Quality:	23%
• Reduce Flood Damage:	17%
• Provide Access & Recreation:	12%
• Improve Water Quality:	12%

34

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Phase II – The Conservation Strategy Exchange

35

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Stewardship Exchange – AB Issues Questions

1. What are the opportunities for **nature tourism**?
2. How can a **sense of urgency** and purpose for preserving open space be identified and grown among constituents?
3. How can **new local funding** be created?
4. How can **policies** be used to implement the watershed plan?
5. What strategies and mechanisms could be used to **enhance flood management**, linking it to preserved / enhanced green space and parks?

36

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Why a Conservation Strategy Exchange?



- Offers unbiased, fresh approach to local issues.
- Provides needed expertise and experience.
- Builds political and public awareness and support.
- Brings diverse interests together to work on common issues.

17

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Agenda for the Conservation Strategy Exchange

SUN	MON	TUES	WED	THURS	FRI
Team Arrives Informal dinner with committee members	Armand Bayou Boat Tour	Watershed Van Tour	Round Table #4	Team Writing ↓	Team presentation and discussion
	Round Table #1	Round Table #2	Round Table #5		Farewell Lunch
	Public Reception @ ABNC	Round Table #3	Team begins report		

18

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Phase III – Implementation


Review and agree on recommendations that will be developed into an implementation plan – setting the stage for land conservation that meets multiple goals.



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From Vision to Reality



20

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