LIUPANSHUI MINGHU WETLAND PARK
Liupanshui, Guizhou Province, China
By Turenscape
2012
Guizhou Province, China
GEOGRAPHIC LOCATION

Guizhou Province, China
GEOGRAPHIC LOCATION
Natural Landscape and Culture of Guizhou Province

Terraced Fields

Ethnic Minority People: Buyi, Miao,...

Karst Landforms
The climate in Liupanshui is warm and temperate. There is significant rainfall throughout the year in Liupanshui. Even the driest month still has a lot of rainfall.
GEOGRAPHIC LOCATION

Liupanshui, Guizhou Province, China
Water System
Liupanshui Minghu Wetland Park
GEOGRAPHIC LOCATION

Liupanshui Minghu Wetland Park
HISTORY OF THE SITE

Left: 1980s -- fields
Lower Left: 2006 Villages with ponds and fields
Lower Right: 2013 Minghu Wetland Park
HISTORY OF THE SITE

Development Plan For the 3rd Tier Cities: The starting point of urbanization of Liupanshui, Guizhou

1966 1975 1980

Long-term Flood and Stormwater Management Project started

1998 2009

Ecology & Environment Improvement Project

2012

Water and River Management: Channelized

Construction Completed
PROBLEMS OF THE SITE

Trash and Water Contamination

Stormwater Runoff

Waste Land

Channelized River
MAIN STRATEGY

Filter-Circulation Terrace
1. WATER STRATEGY

1. 1 Channelized Riverbank ➔ Soften the Edges

1. 2 Artificial Lake as Filtration and Habitat

1. 3 Terraced Ponds for Filtration
1. WATER STRATEGY

The Water flowing into the city is thus cleaner.
2. FORM

2.1 Crescent Shape to accept water from every direction

![Diagram showing a crescent shape for water collection.]

2.2 Inaccessible Bio-Islands for Wild Life Habitats

![Diagram showing inaccessible bio-islands for wild life habitats.]
3. PLANTING STRATEGY

Wetland Bubble

Inter-Wetland

Bio-Island

- Cattail
- Reed
- Bulrush
- Arundo donax
- Thalia
- Bulrush
- Rudbeckia
- Machilus
- Sassafras
- Populus yunnanensis
- White Clover
- Reineckea
- Weeping Willow
- Bio-Island
4. MATERIAL STRATEGY

4. 1 STEEL -- Industrial Memory

4. 2 LOW STONE WALL -- Agricultural Memory
5. CIRCULATION STRATEGY
6. VIEWS

Karst Landform as background
6. VIEWS

Topography Interaction
6. VIEWS

Bio-Islands during flooding
7. COMMENT & CRITICISM

This is a large scale park but there is no shelter during rain, and Liupanshui rains a lot.

People are really happy in the park. It really changed the bad situation. But the huge amount of wood deck may lead to maintenance problem after many years.

Curious about the water purification cycle. How long does it take to solve the problem? I used to see fish belly-up in the river.