

An aerial photograph of the Three Gorges Dam in China. The dam is a long, concrete structure with multiple spillways, extending across a wide river. Water is cascading over the spillways, creating white foam. The surrounding landscape is lush green with dense forests and some agricultural fields. A small island or peninsula with some buildings and a road is visible downstream from the dam. The sky is clear and blue.

The Three Gorges Project of the Yangtze River and its Eco-environmental Protection Policy

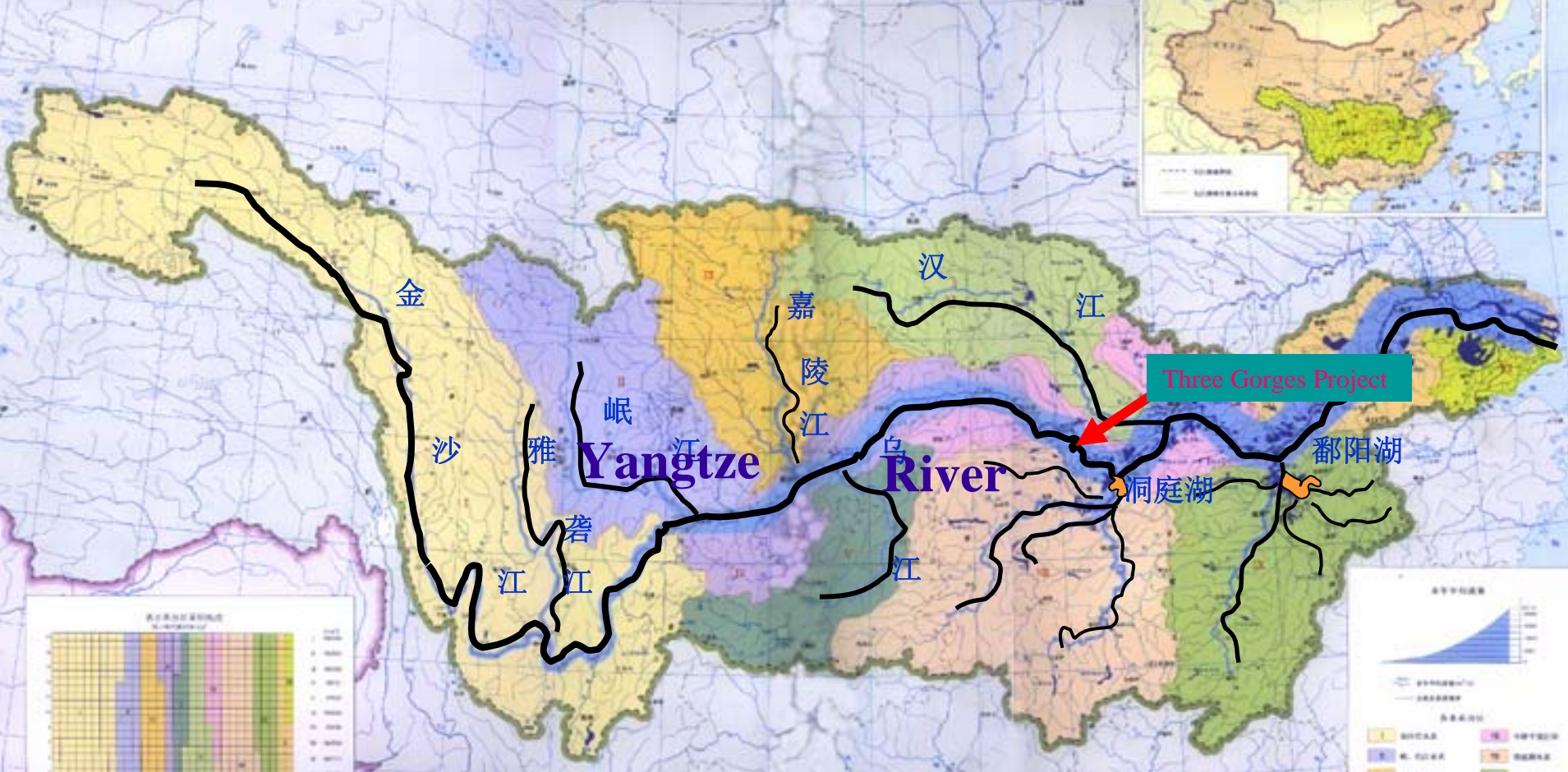
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- ◆ **INTRODUCTION**
- ◆ **MAIN TASKS OF TGP**
- ◆ **THREE GORGES PROJECT**
- ◆ **ECO-ENVIRONMENTAL POLICY**



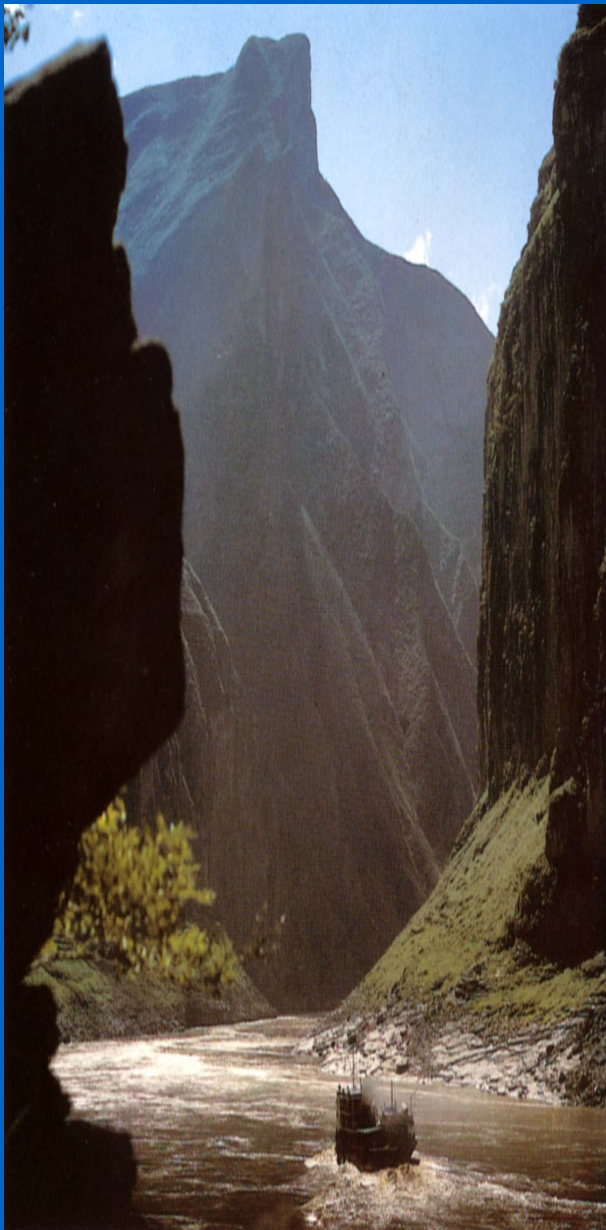
◆ The river Yangtze is the largest river both in China and in Asia. It is 6,300 km long, with a catchment area of 1.8 million km², about 19% of the nation's total land area.

◆ The gross industrial and agricultural output of this river basin occupies about 40 percent of the whole nation.



From Fengjie to Yichang, a 200-kilometer-long stretch of the Yangtze River, it rushes through the majestic Qutang, Wuxia and Xiling gorges, after which the Yangtze Three Gorges is named .

The Qutang Gorge



Water Resources

★ Its annual runoff into the sea amounts to nearly 1,000 billion m³

★ However, as low as 18% of the available water resources in the Basin has been developed.



The Yangtze Basin, particularly in the middle and lower reaches, is one of the most socially and economically developed regions in China.

Features of Flood Control



At the same time, due to the limited flood carrying capacity of the Jingjiang channel, the region is the most frequently flooded areas.

Historic Flood



The 1931 Flood



The 1954 Flood

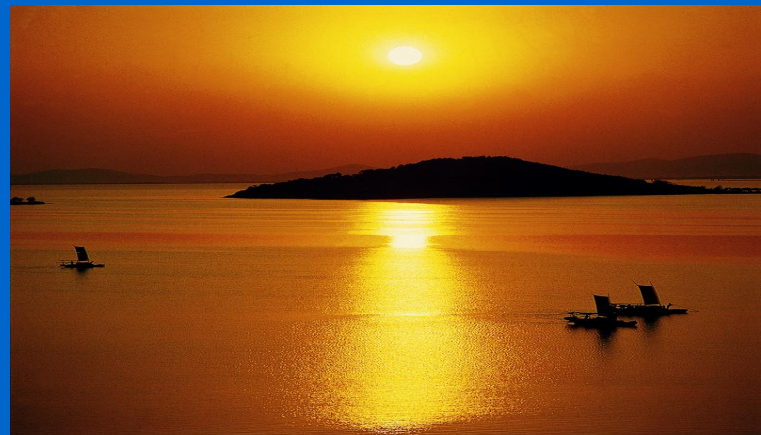


The 1998 flood

As the historic records indicate, there had been 216 floods during the 2000 years, averaging almost once every ten years.



- ★ After overall planning, repeated studies and verifications, the conclusion has been reached that the TGP is the key to the comprehensive control of the floods and exploitation of the resources of the Yangtze River.





In 1992, the fifth session of the 7th National People's Congress passed the “Resolution on the construction of the Three Gorges Project”

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MAIN TASKS AND PRINCIPAL BENEFITS

The TGP is a multipurpose hydro-development project producing comprehensive benefits mainly in flood control, power generation and navigation improvement.

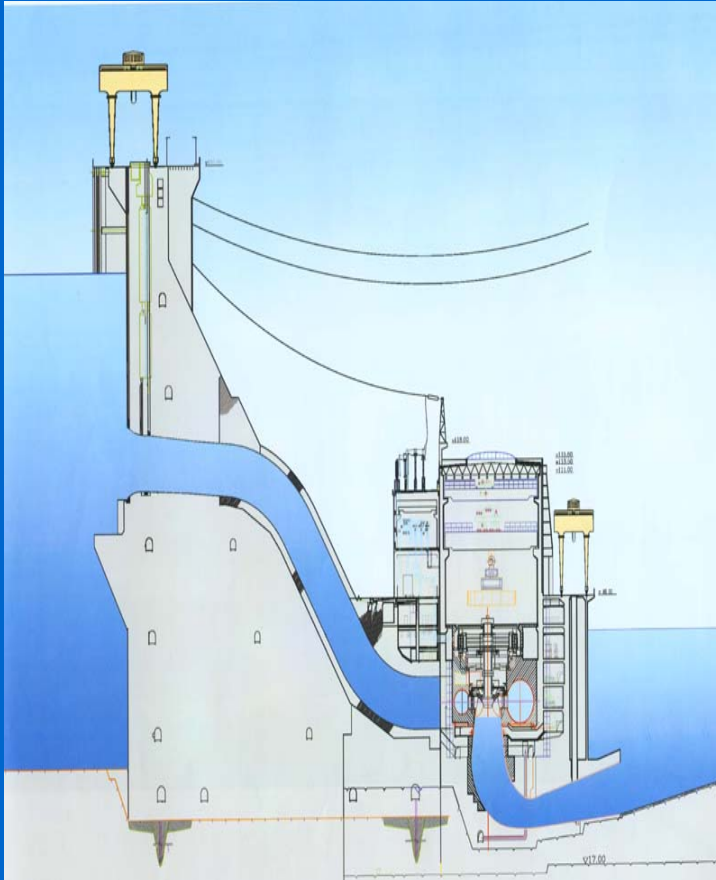


FLOOD CONTROL



the flood control capability of the Jingjiang River section would be able to be improved from the 10-year frequency flood to the 100-year.

Power Generation



**TGP will provide with
a total installation of
generation capacity of
18,200MW**

NAVIGATION



The 660 km long waterway from Yichang to Chongqing will be improved after the completion of the TGP.

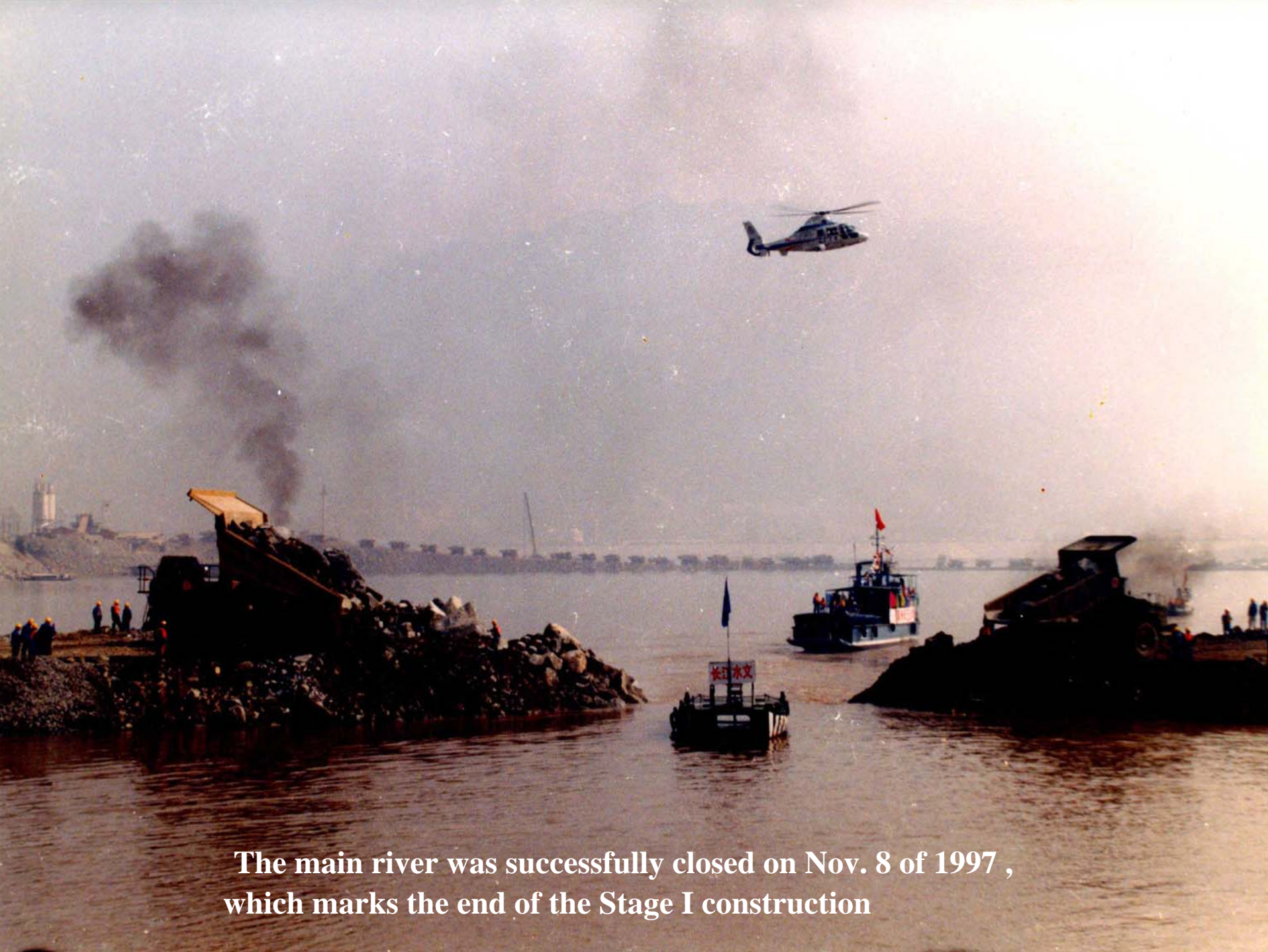
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Layout of the Project



The project is composed of a dam, two power plants and navigation facilities.



**The main river was successfully closed on Nov. 8 of 1997 ,
which marks the end of the Stage I construction**

Navigation Facilities

The ship lock is schemed out as a double - way and five - step locks, each lock chamber is capable of passing 10,000 tons of barge fleet.



the Permanent shiplocks have been operating since Jun of 2004

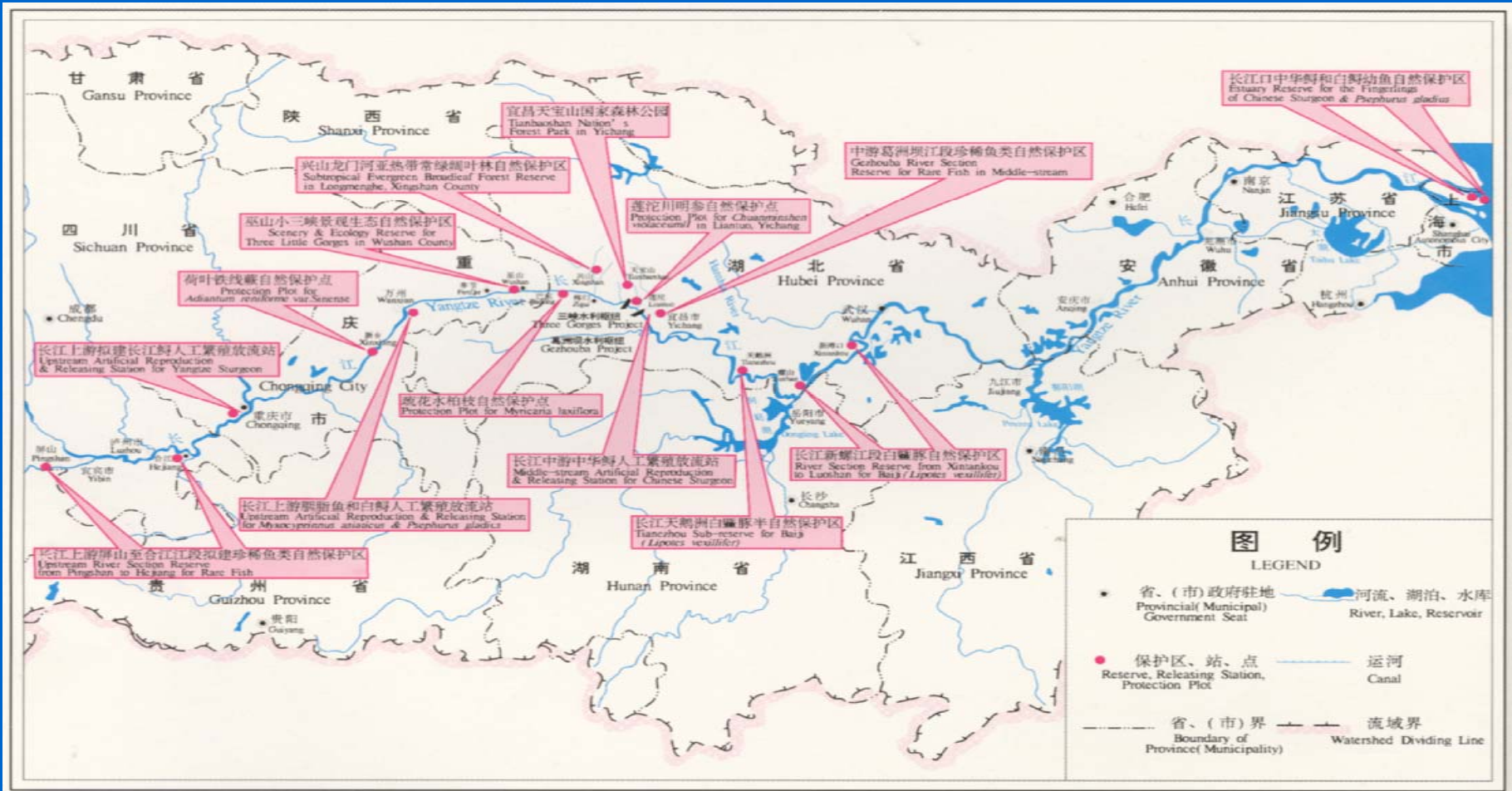
Night of Three Gorges Project



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Locations of species resource protection zones for TGP



● In order to protect the bio-diversity in the Yangtze basin, a series of measures have been adopted along with TGP's construction.



Water and soil conservation forest



Terrace in reservoir region

Artificial Reproducing and Releasing of Chinese Sturgeon



Return back to sea



Capturing Chinese Sturgeon

Artificial Reproducing and Releasing of Chinese Sturgeon



Raising young Sturgeon

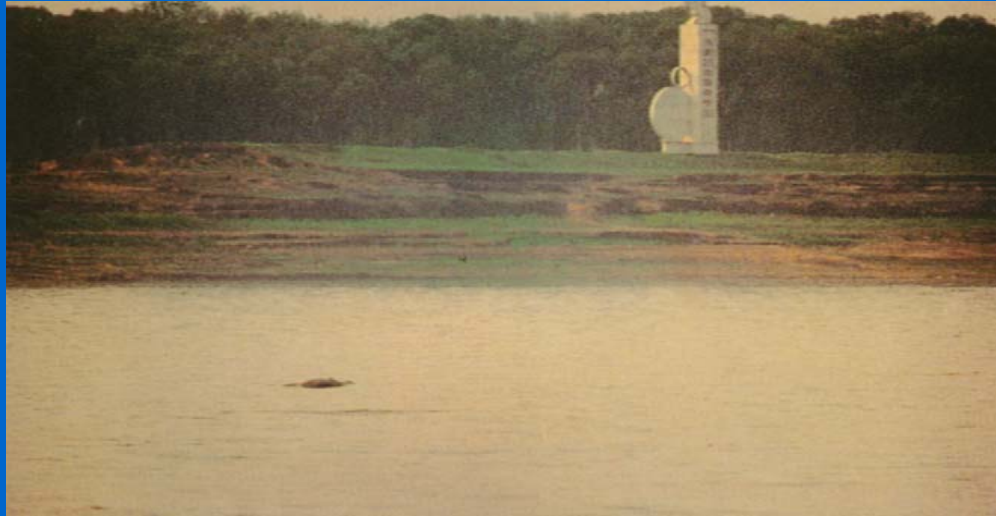


One month old Chinese Sturgeon



Artificial Releasing of Chinese Sturgeon

Protection of Species Resources

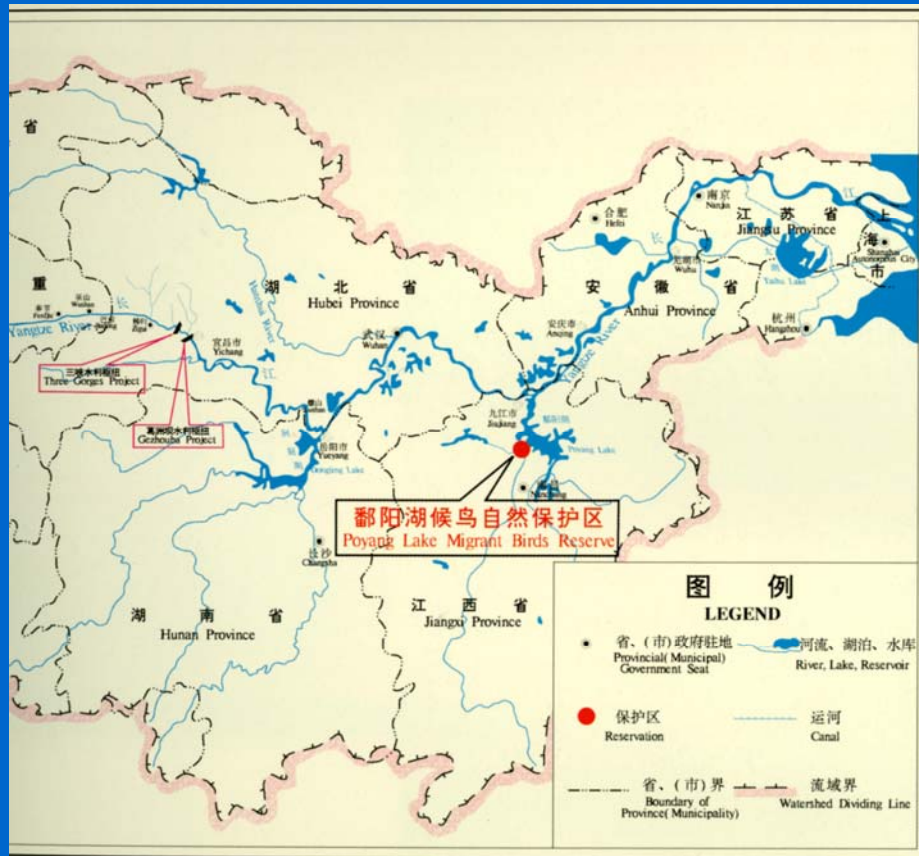


Chinese river dolphin in reserve reach



Baiji--Chinese river dolphin

Natural Reserves for Migrant Birds



Location of Poyang Lake Migrant Birds Reserve



Siberia Crane

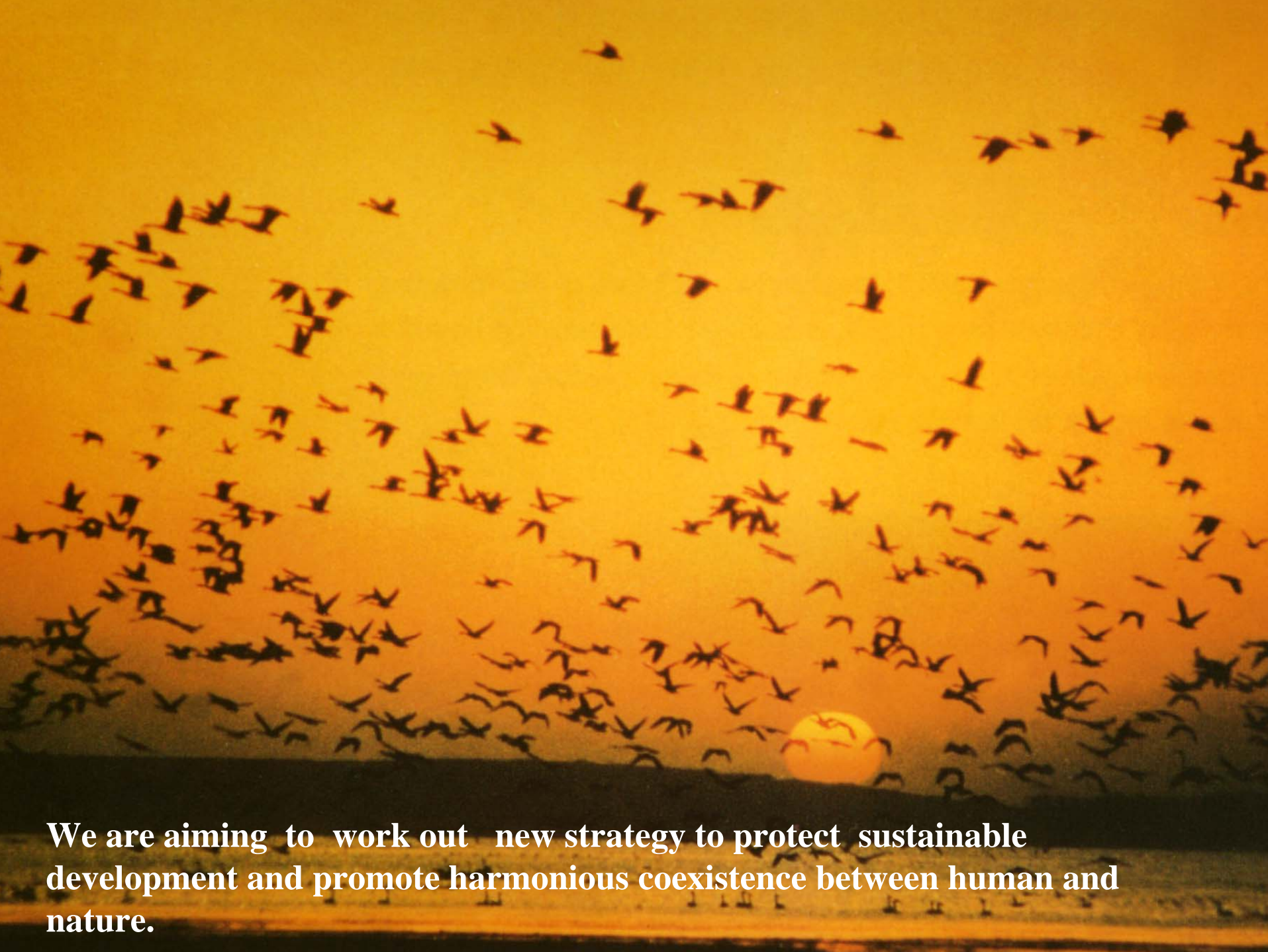


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Monitoring of Ecology and Environment

- A special monitoring system of ecology and environment for TGP has been established and put into operation since 1996
- It monitors the potential modification of eco-environmental factors providing valuable information for management and decision making.





We are aiming to work out new strategy to protect sustainable development and promote harmonious coexistence between human and nature.

An aerial photograph of a winding river, likely the Amazon, flowing through a vast green landscape. The river is a light brown color, contrasting with the deep green of the surrounding forest. The sky is filled with large, white, fluffy clouds. The word "Thanks" is superimposed in the center of the image in a large, bold, red serif font with a white outline.

Thanks

Integrated Water Resources Management

Strategy : Ensuring health of the Yangtze and promoting harmony between human and nature

Master Plan : comprehensive planning of whole basin is revised to meet social and economical requirement on water demand as well as ecosystem demand.

Regulatory framework for river basin water resources management is well established

The information is available for decision making . 6400 hydrological and meteorological stations have been set up in the river basin.

Disaster management: flood control and drought prevention

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