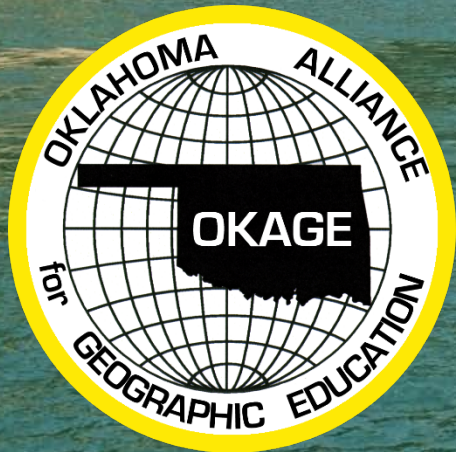


# What's Up With The Yangtze River?

## Part 1



By Glenda Sullivan  
OKAGE Teacher Consultant

# **Oklahoma Academic Standards for the Social Studies**

## **Grade 7 World Geography: Eastern Hemisphere**

**Content Standard 1: The student will analyze data from a geographic perspective using the skills and tools of geography.**

2. Integrate visual information, draw conclusions, and make predictions from geographic data and analyze spatial distribution and patterns by interpreting that data as displayed on globes, graphs, charts, satellite and other forms of visual imagery including data from bar and line graphs, pie charts, thematic maps, population pyramids, climagraphs, cartagrams, contour/relief maps, GIS systems & diagrams.
3. Describe basic types of map projections and compare how they display information including Mercator, Peterson, and Robinson, and apply the concepts of scale, distance, direction, relative location, absolute location, and latitude and longitude.

**Content Standard 5: The student will analyze the interactions of humans and their environment in the Eastern hemisphere.**

3. Integrate visual information to analyze regional problems and policies having spatial dimensions in the Eastern Hemisphere including the
  - C. Transformation of the environment and population centers caused by the construction of the Three Gorges Dam.





# **Oklahoma Academic Standards for the Social Studies**

## **Grade 7 World Geography: Eastern Hemisphere**

**Literacy Skills Standard 1: The student will develop and demonstrate Common Core Social Studies reading literacy skills.**

C. Integration of Knowledge and Ideas

7. Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts.

**Literacy Skills Standard 2: The student will develop and demonstrate Common Core Social Studies writing literacy skills:**

B. Production and Distribution of Writing

7. Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.



**The source of the Yangtze River is an ancient glacier located in the Tibetan Plateau. The mouth empties into the East China Sea near Shanghai before flowing into the Pacific Ocean.**

**Find the latitude/longitude for the Yangtze River at its source.      33°N 91°E**

**Find the latitude/longitude for the Yangtze River at its mouth.      31°N 121°E**



**The Yangtze is the 3<sup>rd</sup> longest river in the world and the longest in China, stretching more than 3,900 miles as it winds its way from the Tibetan Plateau to the East China Sea near Shanghai. It cuts through the Wu Mountain Range, forming the scenic Three Gorges: Qutang Gorge, Wu Gorge, and Xiling Gorge.**





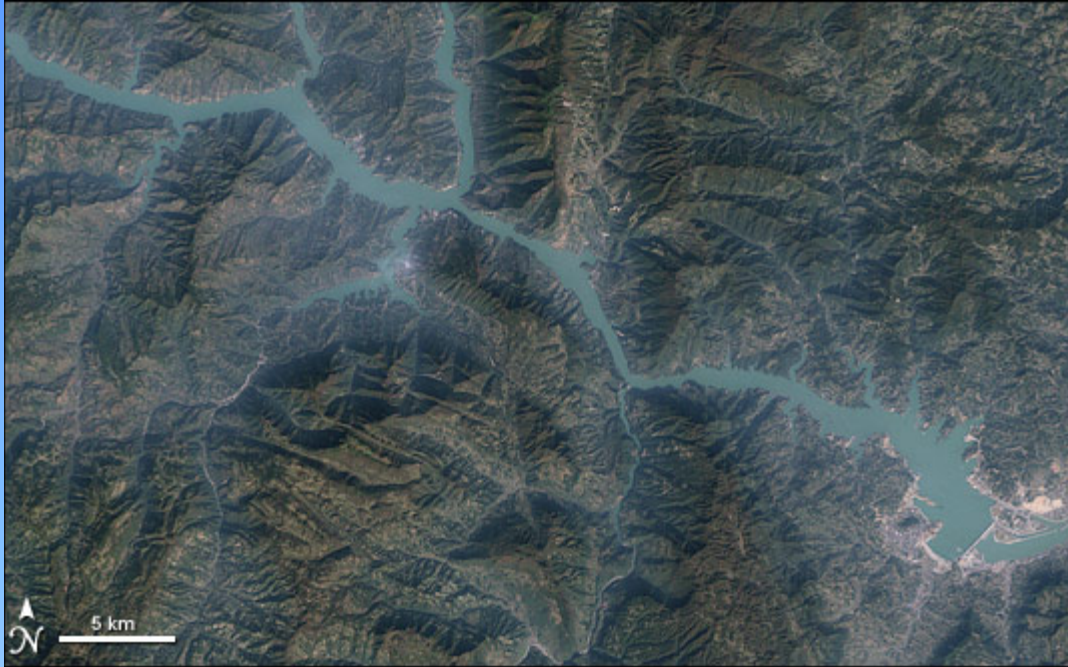
[http://pekingikacs.blog.hu/2013/06/03/arviz\\_a\\_jangcen](http://pekingikacs.blog.hu/2013/06/03/arviz_a_jangcen)

**The Yangtze River has a history of devastating floods. The worst flood in 130 years occurred on the Yangtze in 1998 when 4,000 people were killed, 14 million were left homeless, and 5 million homes were destroyed. The Chinese people have long dreamed of a way to control flooding on “The Great Dragon.”**

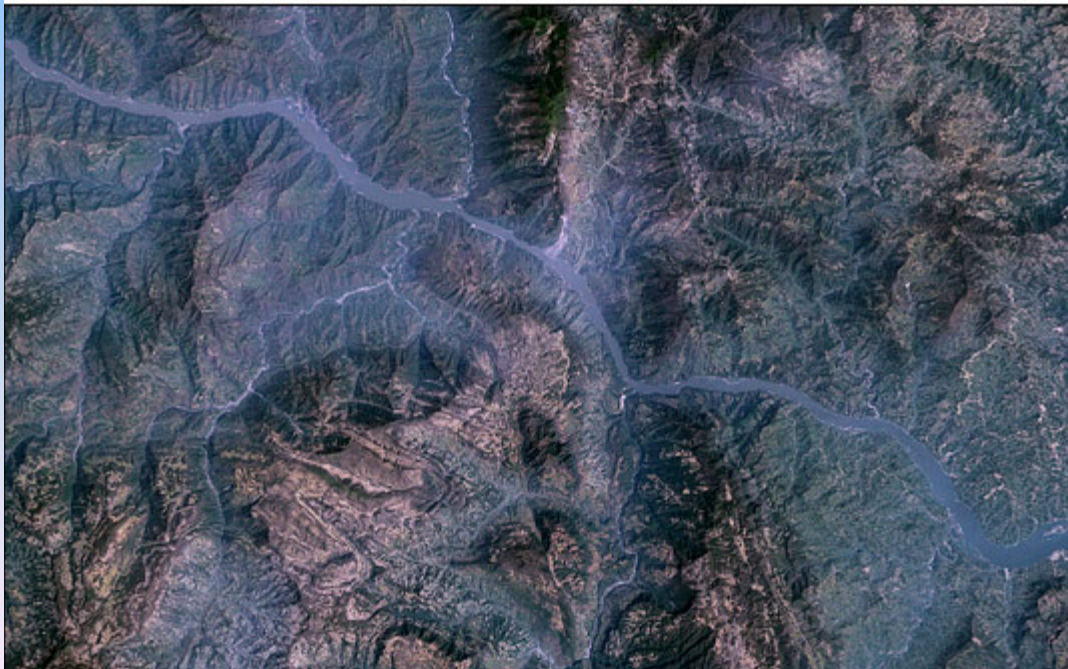
## **Yangtze River after completion of the Three Gorges Dam**

**What differences are seen in the two satellite photos?**

**Yangtze River several years before before construction on the dam began**



November 7, 2006



April 17, 1987

<http://earthobservatory.nasa.gov/IOTD/view.php?id=7769>



# Three Gorges Dam

The dam was mainly built to control deadly floods downstream.

goal is to reduce air pollution by replacing coal-produced energy with hydroelectric power.

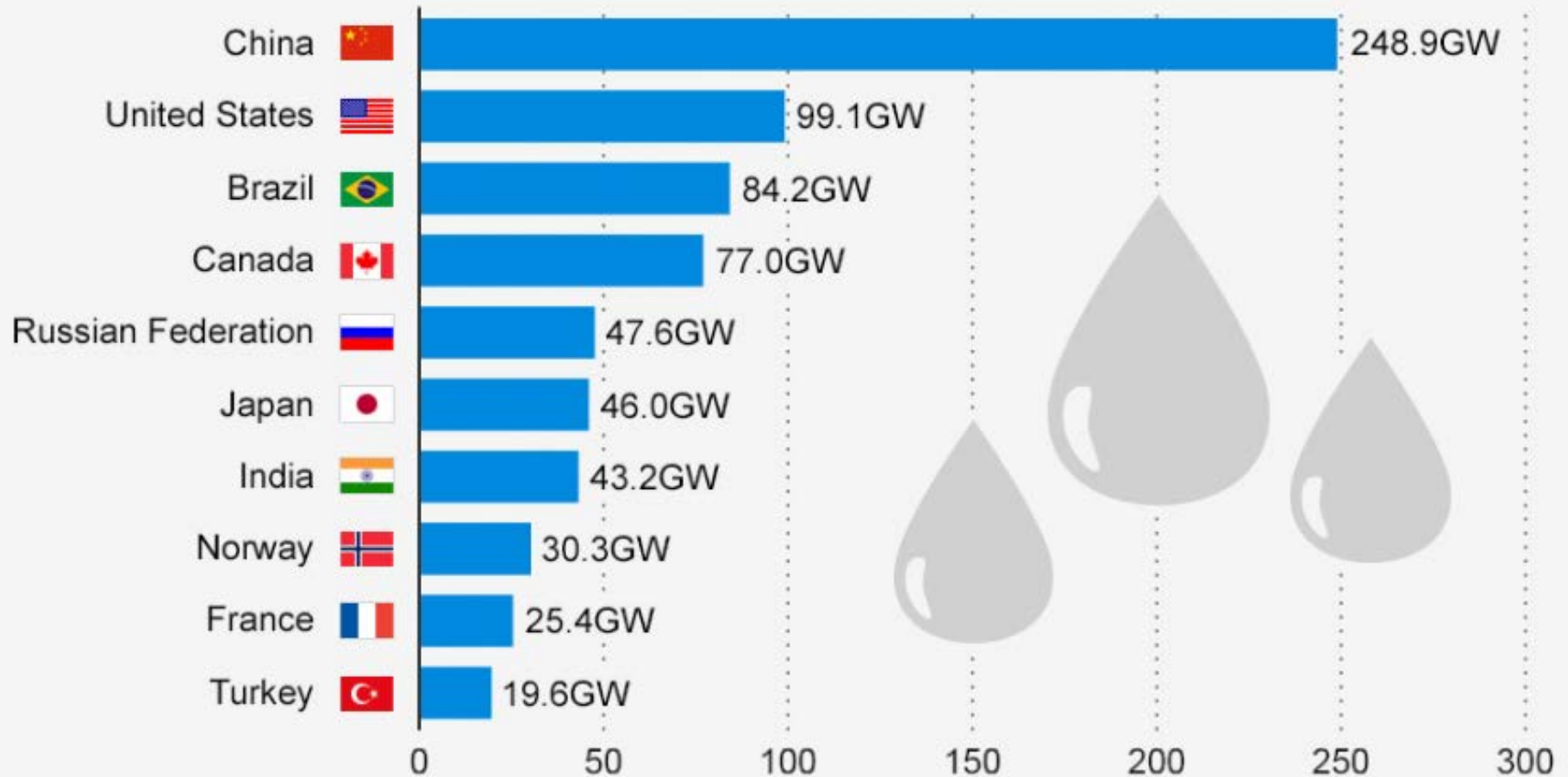




# China Racing Ahead With Hydro

Hydropower capacity worldwide (in gigawatts)

1 gigawatt = 1000 megawatts  
1 gigawatt = 1 billion watts





# Contact

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