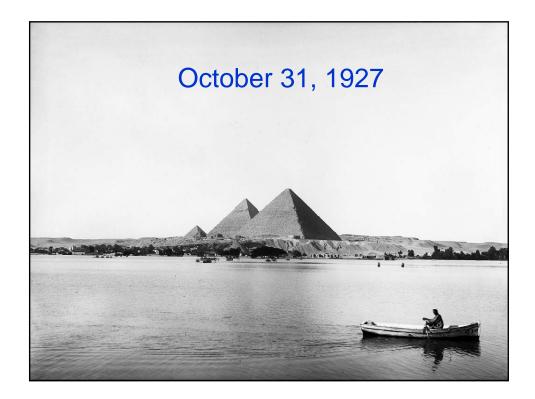


Characteristics	Lake Nasser (Egypt)
Max length (km)	500
Max width (km)	12
Maximum depth (m)	110
Mean depth (m)	70
Reservoir area (km <sup>2</sup> )	6000
Water volume (km <sup>3</sup> )	162
Average annual inflow (km <sup>3</sup> /y)	70
Average residence time (y)	2.30
Major water uses	Irrigation, hydropower

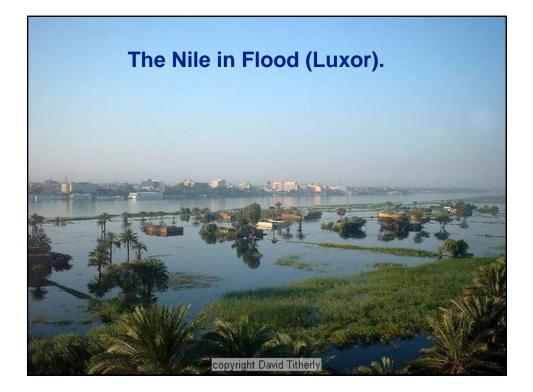
## **Characteristics of the Lake Nasser.**





Nile flood, Delta, 1963

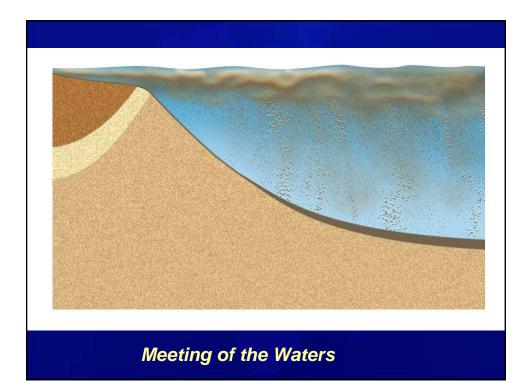


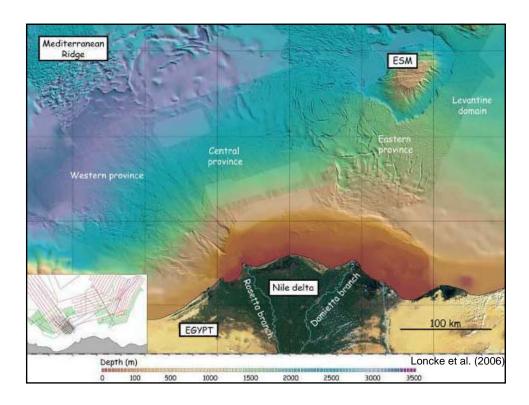


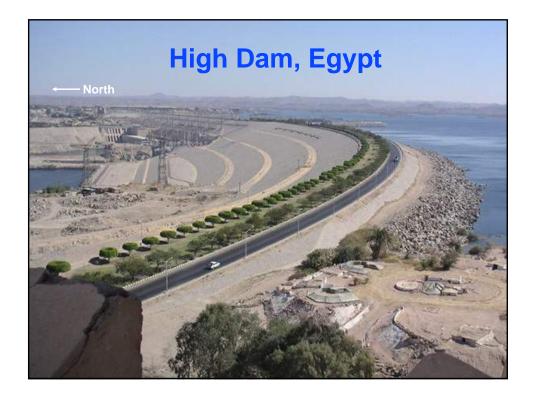




The last Nile flood, September 1964





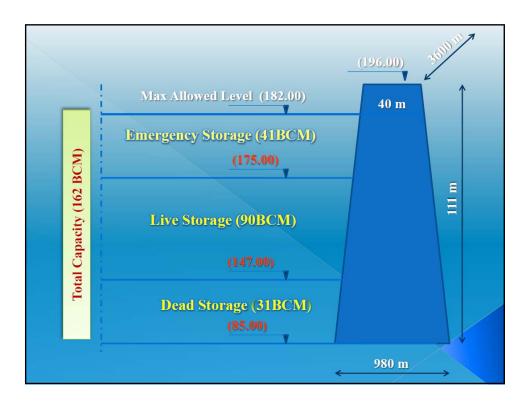


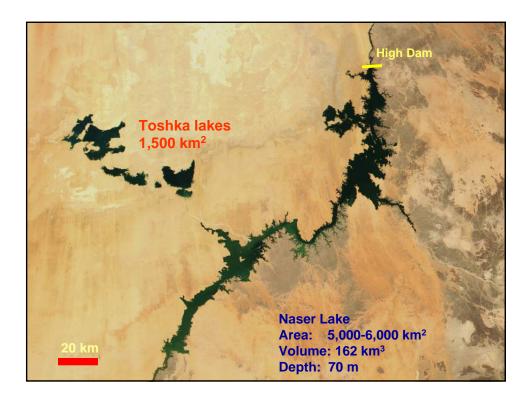
According to CONEXPO-CON/AGG '99, the top 10 construction achievements of the 20th century are:

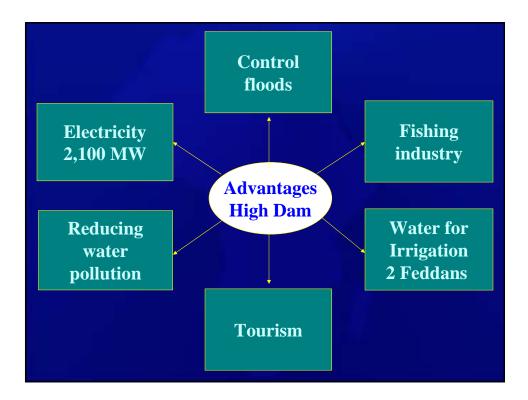
- 1. Chunnel Tunnel.
- 2. Golden Gate Bridge
- 3. Dwight D. Eisenhower System of Interstate and Defense Highway
- 4. Empire State Building.
- 5. Hoover/Boulder Dam.
- 6. Panama Canal.
- 7. Sydney Opera House.

8. Aswan High Dam.

- 9. World Trade Center.
- 10. Chek Lap Kok Airport in Hong Kong.







## **Disadvantages of the Dam**

- The land of Nubia had to be flooded to create the reservoir, which is 310 miles in length
- 10,000 people displaced to other places in Egypt
- Sometimes the Aswan High Dam gets blocked by silt and mud
- Erosion of the coastal area
- Salinization of GW and soil N. Delta
- Urbanization along the Nile banks

