

Lessons learnt during the past floods and national plan for implementation of flood management/mitigation measures (VIETNAM)

*Third Annual Flood Forum, 7-8 April 2005, Vientiane, Lao PDR
Flood Management and Mitigation in the Mekong Basin*

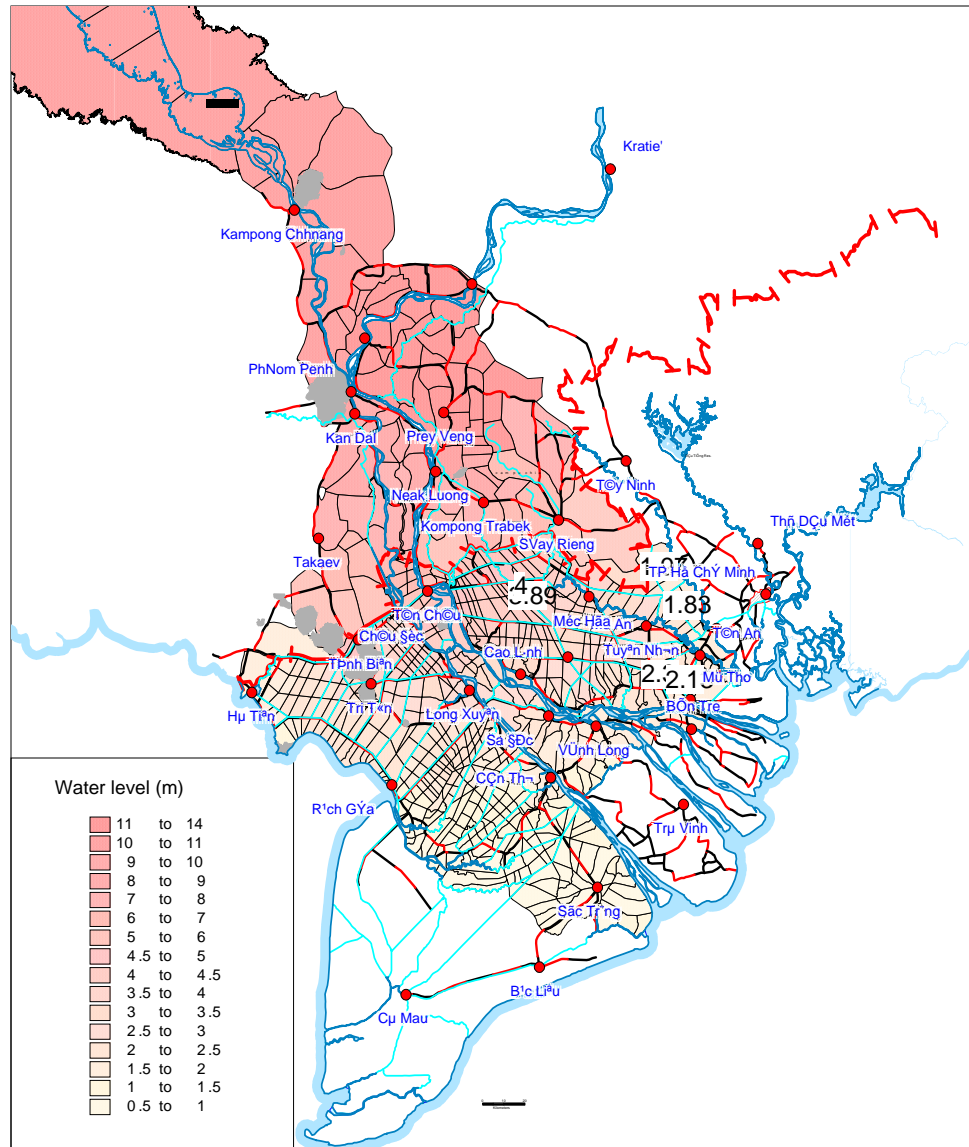
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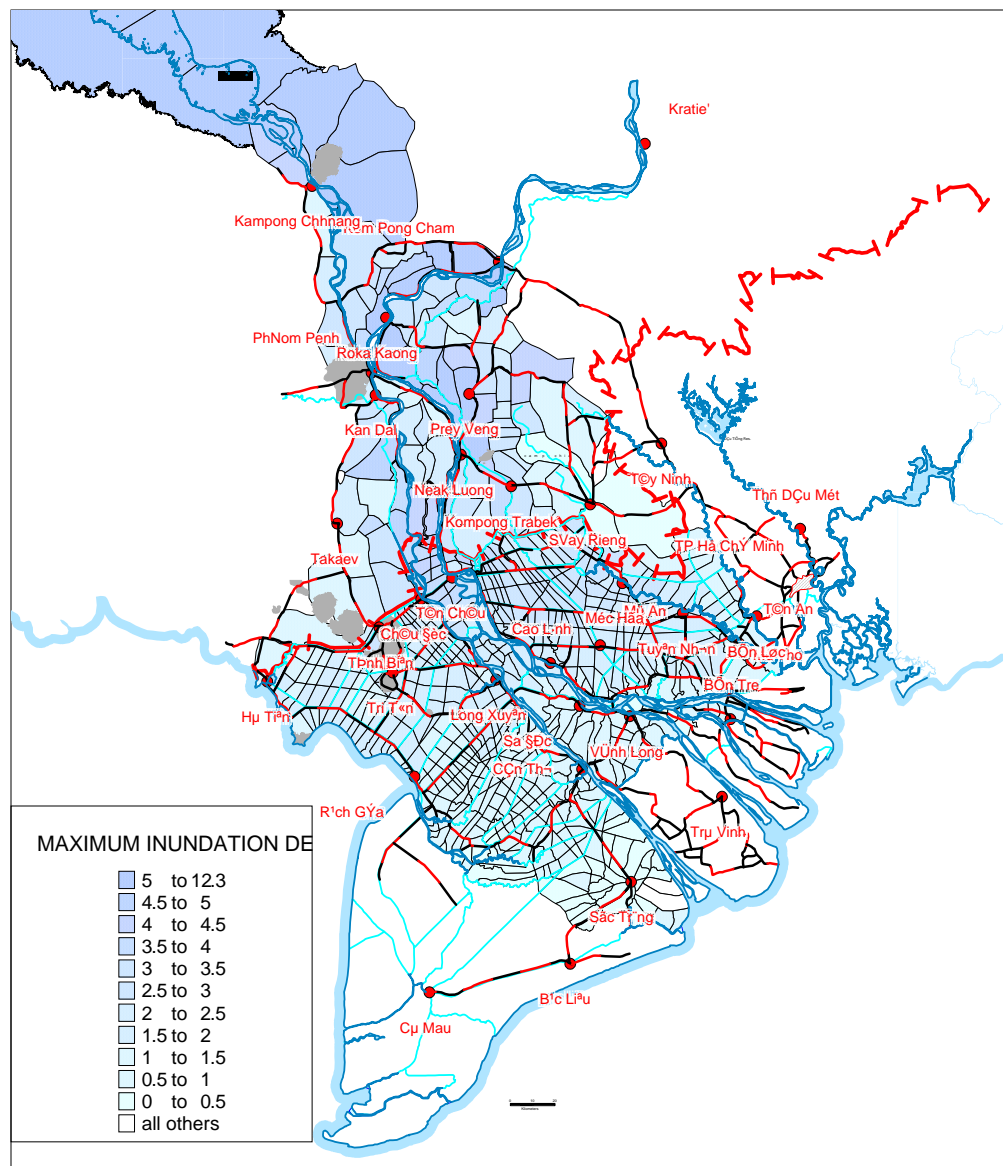
1. Summarize Social, economic and technical flood effects

Item	Unit	2000	2001	2003	2004
People dead	People	481	393	23	38
Houses flooded	house	891406	341614	23815	690
School flooded	Cls Room	12909	5315	121	0
Infirmary & Hosp Inundated	No	379	67	8	0
Rice Completely Lost	Ha	46 402	2251	129	0
Rice reduction Productivity	Ha	197 652	0	0	115
Irrigation canal Damaged	System	2 488	85	0	0
Bridge & Sluice Damaged	No	4 478	2457	23	269
Road damaged	km	11 477	7184	639	0
Total damage	\$US1000	249 120	97 826	15 005	

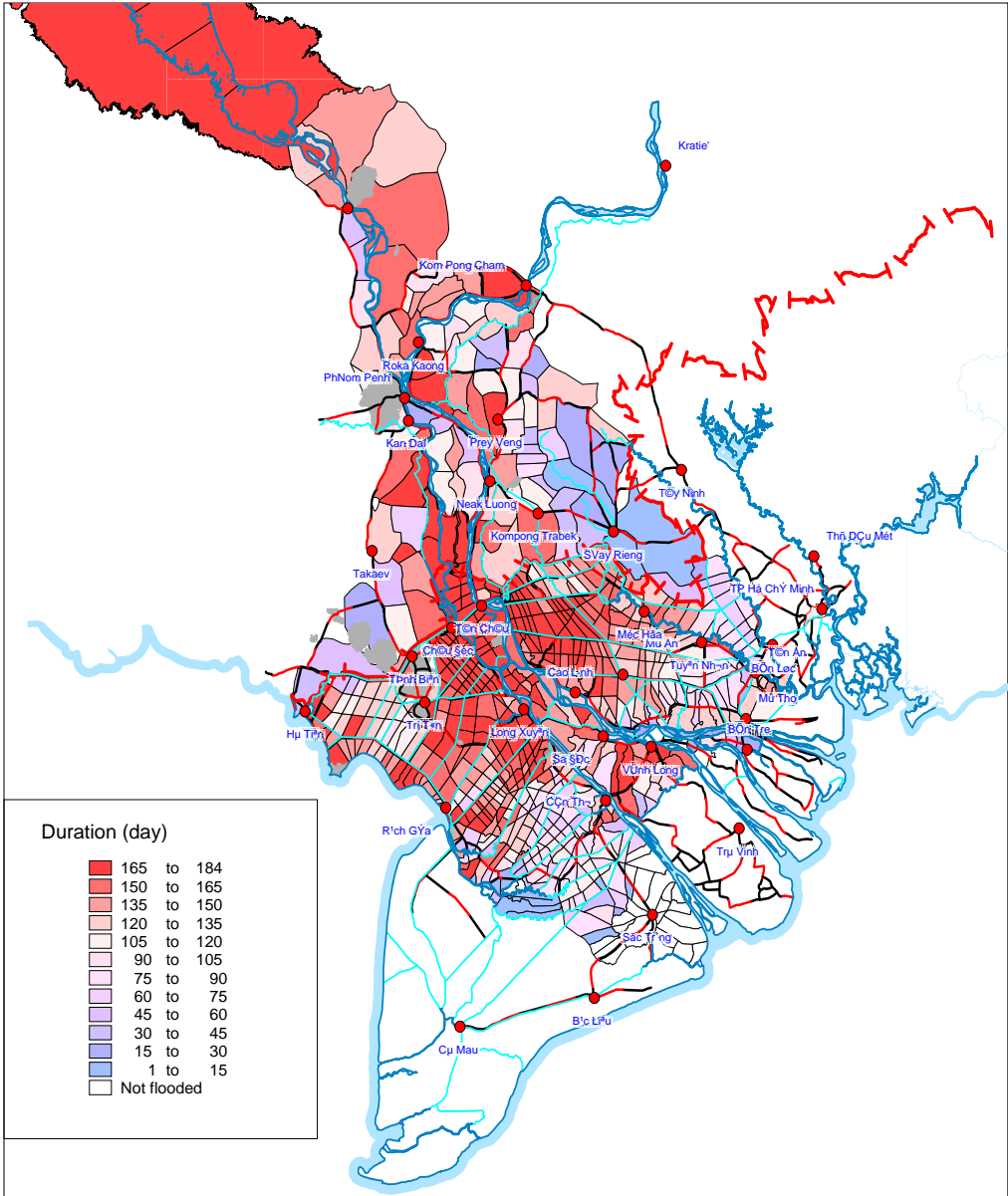
MAXIMUM WATER LEVEL IN THE 2000 FLOOD (Results from Mathematical Model)



MAXIMUM INUNDATION DEPTH IN THE 2000 FLOOD (Results from Mathematical Model)



FLOOD DURATION IN THE YEAR 2000 (Results from Mathematical Model)



2. Lessons learnt:

A) TECHNICAL PREPARATION

- **Flood forecasting**
- **Flood warning**
- **Change of crop season**
- **Crop diversification**
- **Effective works of CFSC from Central to Villages**
- **Logistics and transport**
- **Safe shelter**
- **Provision of access to schools/hospitals**
- **Emergency response**

B) NON-TECHNICAL PREPARATION

- **Mobilization of resources, manpower**
- **Raising the general flood awareness of the potential affected population groups**
- **Improvement cooperation among riparian countries (including Myanmar and China)**

Disaster preparedness training course





3. National plan for implementation of flood management/mitigation measures

Implementation the Strategy “Living with flood”

Improvement:

- **Weather forecast,**
- **flood forecasting and warning,**
- **Water and floodplain management,**
- **community level communications,**
- **Effective works of CFSC from Central to Villages,**
- **Logistics and transport**

3. National plan for implementation of flood management/mitigation measures (continued)

- Change of crop season**
- Crop diversification**
- Safe shelter**
- A Government Resettlement Program (200 000 families)**
- Establishment the centers for looking after the children during flood season**
- Provision of access to schools/hospitals**
- Planning for embankment to protect people and fruit gardens in some possible areas**
- Planning for canals and sluices to release flood water**

4. Suggestions to improve coordination

- **Promote Establishment RFMM Center to facilitate**
 - **Data and information exchange and sharing among riparian countries**
 - **Improvement flood forecasting and warning System**
- **More involvement of NMCs and line Ministries in component 4 (Flood Emergency Management Strengthening) and component 6 (Land Use Management)**

4. Suggestions to improve coordination (Continued)

- **It is very necessary to have a multipurpose Dam (reservoir) on mainstream of Mekong river to regulate water (storage water during flood season to reduce flood water and release water during dry season to increase water in order to against salinity intrusion) component 2**
- **FMM is 1 of 4 Core programs => should have Quarterly coordination meeting**
- **We have full funding for FMM so that MRCS's roles and duties for implementation is very important**

**THANK YOU
FOR
YOUR ATTENTION**