

BRIEFLY INFORMATION ON THE CUU LONG RBO

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MEKONG RIVER

- Run through 6 countries;
- Length: 4,200 km;
- Catchments area:
 - 795,000 km2
- Vietnamese area:
 - 39,000 km2 (5%)















- 1. Flood management and protection
- 2. Water pollution
- 3. Safe domestic water
- 4. Dry season water availability
- 5. Erosion
- 6. Aquaculture management
- 7. Chemical and pesticide management
- 8. Management of protected species
- 9. Management of ecologically important areas
- 10.Management of shrimp farming
- 11.Management of acid sulfate soils
- 12.Management of saline intrusion
- 13.Implementation of by-laws and regulations
- 14.Expansion of fruit growing.





FLOODING AND INUNDATION

- Area:
 - 1.2-1.9 million ha
- Depth:
 - 0.5-4.0 m
- Duration:
 - 3-5 months
- Recent high floods:
 1996, 2000, 2001, 2002



LIST OF DAMAGES IN THE HIGH FLOOD YEARS OF THE MEKONG RIVER DELTA

Items	Unit	1991	1994	1995	1996	2000	2001	2002
Dead people	Person	158	407	199	217	448	412	170
Damaged houses	Family	197,477	505,906	28,240	78,859	905,283	17,108	5,209
Evacuated families	Family	15,600	20,125	11,431	38,735	50,956	27,826	6,670
Relief families	Family			59,262	175,441	253,107	193,161	
Decreased rice productivity area	На	88,837	202,189	62,399	107,707	111,907	33,036	15,777
- complete loss	Ha	171,898	26,868	11,101	43,249	33,594	8,955	365
Decreased Upland crop productivity area	Ha				50	4,613	4,925	1,049
- complete loss	Ha				17,466			
Submerged fruit area	Ha				76,396	63,560	32,785	32,142
Submerged fish ponds	Pond			16,336	69,505			
Submerged fishery farms	На					14,053	13,494	2,446
Dead cattles	Animal			242	18,965	22,600	490,741	
Submerged classes	Room				11,093	13,712	6,274	3,223
Students were off school	Pupil			217,412	905,302	103,270	266,231	243,855
Submerged medical stations	Station			156	509	385	105	51
Submerged canals	m ³			5,512,226	443,100			
Damaged bridges & sluices	Piece			2,722	24,478	2,595	1,684	519
Submerged highway and provincial street	Km						380	120
Submerged district and commune Streets	Km						4,662	3,934
Submerged Treasures and public areas	piece			372	2,411	1,036	675	534
Total damage	Billion VND	2,217	2284	700	2,181	4,597	1,456	457
	Million USD	138.56	142.75	43.75	136.31	287.31	91.00	28.56





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Vinh Te Embankment – An Giang Province

School – Dong Thap Province

TATEA

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VINCE

PERMIT

HIGH MAI

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L. MARTIN

Tra Su Bridge - An Giang Province

Tan An Post – Long An Province





Salinity Intrusion:

- Area: 1.4-1.6 million ha
- Length (4 g/l): 40-50 km
- Duration: 1-3 months in a half of area
- Historic salinity intrusion: 1977, 1993, 1998





Acid-salt accumulation

Oxy-pyrite









Erosion





Giao Hoa River, Ben Tre Province





Acid Sulphate Soils:

• Area:

- 1.4-1.6 million ha
- "Problem soils":
- 0.8-0.9 million ha
- Duration:
 - 3-6 months (pH=3.5-5)
 - Severe areas:
 - Plain of Reeds,
 - LongXuyen Quadrangle,
 - Ca Mau Peninsula



Farming land Jarosite pyrite New Canal In Dong Thap Muoi



Melaleuca cajuput Forest fire in UMT, Kien Giang Province









CONCLUSION AND RECOMMENDATION

- IWRM measures should have to be implemented step by step in order to supplement justify practically.
- Develop capacity building for engineers, increase regularly data exchange between the riparian countries.
- Study and establish early warning system of: flood, erosion bank, salinity intrusion in the short, medium and long terms, it can minimized the damage to property and lost of people's lives in the Mekong Basin.
- Improve models as essential tools in flood management and mitigation.
- Flood in the Mekong Basin has both advantages and disadvantage, how can flood management and mitigation make full use of the advantage and limit disadvantage? Therefore, the international cooperation for support and exchange data, information, knowledge and experiences in flood management and mitigation is indispensable.



