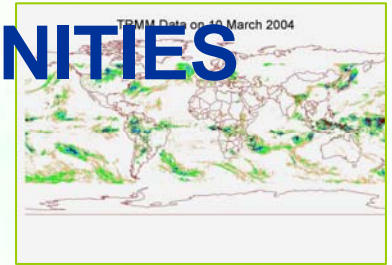
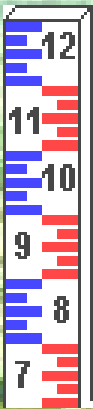
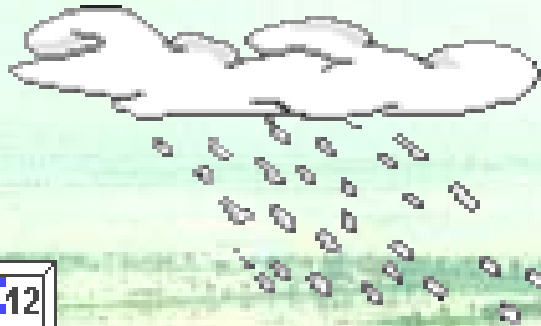




PROVISION OF FLOOD EARLY WARNING TO FLOOD VULNERABLE COMMUNITIES IN THE LMB



2003 - 2007



Users



Mekong River Commission
for sustainable development

- About MRC
- Mekong Basin
- Programmes
- Information Resources
- Media

Flood Warning & Forecasting Overview

Overview	Station list	Latest News
Upper Mekong	Map Centre	About this site
Central Mekong	Partners	New features
Lower Mekong	Weather	Email comments
Tabular data	Rainfall data	Disclaimer

This page was last updated on Tuesday, 18 September, 2001 08:46

Legend

Flooding stage	Rising	Falling	Stable	Unknown
No warning	Green arrow up	Green arrow down	Green circle	Grey circle
Warning stage	Yellow arrow up	Yellow arrow down	Yellow circle	Grey circle
No data available	Green arrow up	Green arrow down	Green circle	Grey circle

Legend

Green square	Chiang Saen	Green square	Pakse
Yellow square	Luang Prabang	Green square	Stung Treng
Red square	Chiang Khan	Green square	Kratie
Green square	Vientiane	Green square	Kompong Cham
Green square	Nongkhai	Green square	Phnom Penh (Bassac)
Green square	Paksane	Green square	Phnom Penh Port
Grey square	Nakhon Phanom	Green square	Koh Khel
Green square	Thakhek	Green square	Neak Luong
Green square	Mukdahan	Green square	Prek Kdam
Green square	Savannakhet	Red square	Tan Chau
Green square	Khong Chiam	Red square	Chau Doc
Green square	Ubon (Nam Mun)		

This page was last updated on Tuesday, 18 September, 2001 08:46

Station list

click on a station name to go to a page with station information

Available maps for the area around Phnom Penh (Bassac)

Legend

- Topographic
- Land use
- Flood extent
- Flood Risk

For an explanation of the water level and alarm stages [click here](#)

Water level (m)

Flood level

Alarm level

Embankment

Water level over the last 7 days and 5 day forecast

Observed

Forecast

Water level (m)

Flood level

Alarm level

Flood year 2000

Dry year 1992

Sub basin and Rainfall maps

Sub basin map

Rainfall by grid

Rainfall by sub basin

MM5 16 Sep 2001+1

Actual and forecasted rainfall

Data provided by the United States Geological Service USGS and subject to availability.

NOAA (National Oceanic & Atmospheric Administration) data provides estimates of actual rainfall based on satellite imagery and gauging stations.

MM5 (Fifth Generation Mesoscale Model of the US Air Force) gives three day forecasts of rainfall.

Sub basin	NOAA 12-Sep-2001	MM5 13-Sep-2001+0	MM5 13-Sep-2001+1	MM5 13-Sep-2001+2
Upper Basin	1.1	1.1	0.3	1.4
Angkorabang	3.8	12.5	1.6	1.0
Chiang Saen	4.9	6.0	0.3	0.1
Stung Treng	15.7	22.0	1.0	1.1
Phnom Pranh-Thakhek	14.4	3.9	1.0	19.3
Stung Treng-Nongkhai	9.8	1.8	0.3	0.8
Stung Treng	9.8	1.8	0.3	0.7
Mukdahan-Savannakhet	8.6	2.2	0.4	13.0
Stung Treng	17.0	6.7	0.3	2.1
Stung Treng	9.2	5.8	0.6	2.6
Stung Treng-Delta	8.3	3.1	1.6	2.8

Observed water level this season

Observed

Water level (m)

Flood level

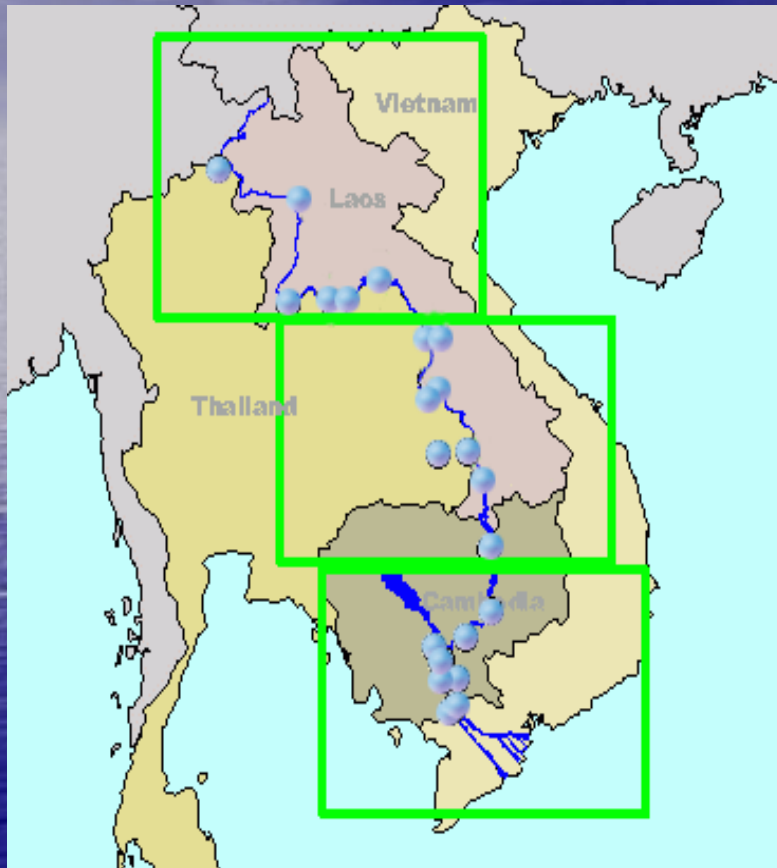
Alarm level

Flood year 2000

Dry year 1992



Flood Forecasts/Warnings at the community level



Why Community Flood
Forecasts/Warnings?

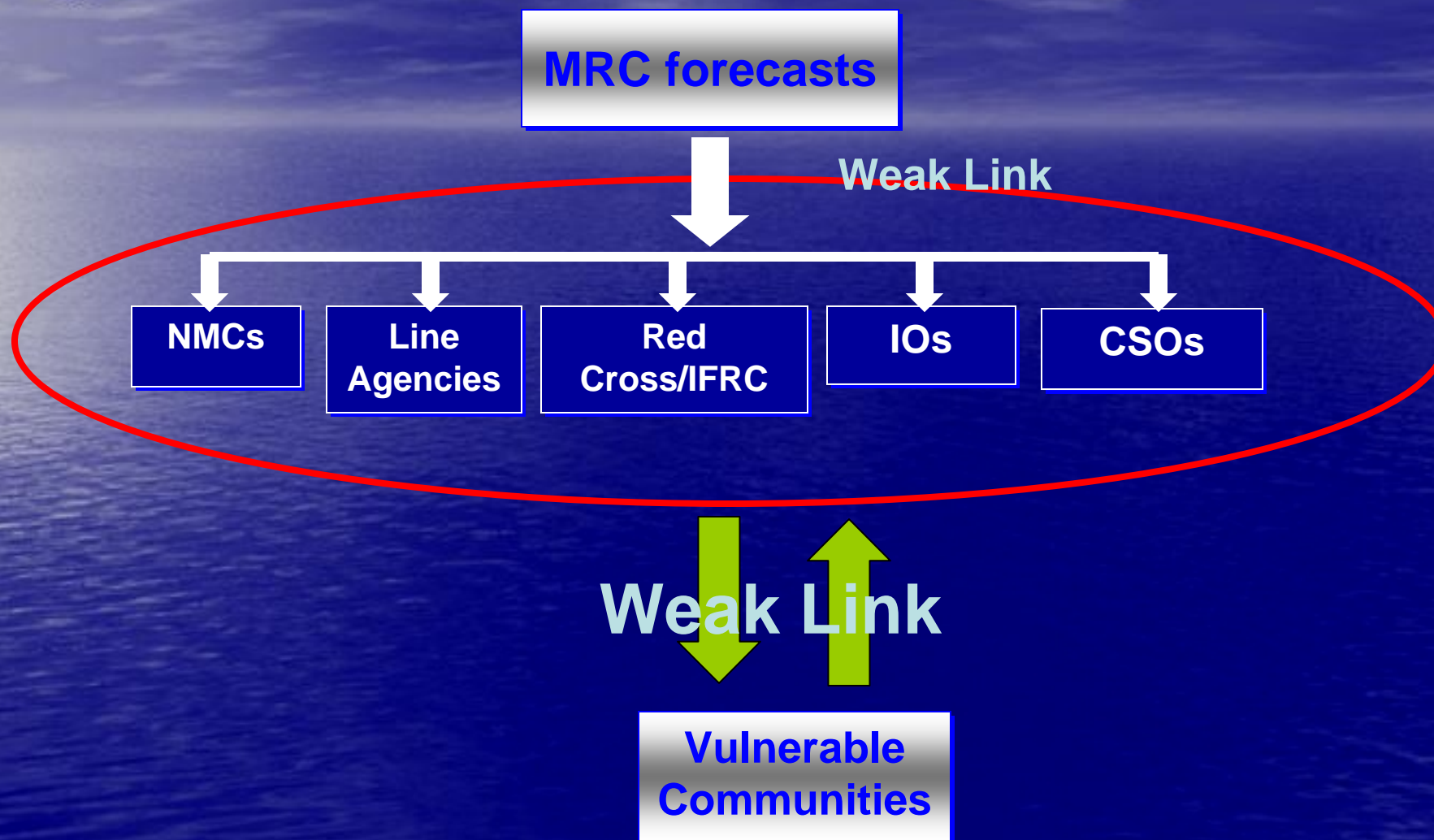
When will my village/rice
field be flooded?

Will my children be in
danger?

- Forecasting is on the
mainstream only



Flood Information Flow from MRC to Communities through its Partners





Partnering

- American Red Cross / Cambodian Red Cross & ACF had been identified as Implementing Partners



- CRC has an extensive networks (National-Community level) and know-how on CBDP



Community participation





Flood mark installation

FM installation & leveling – conducted
Lowest spots at the villages – identified



Flood plain

Village profile

Mekong River

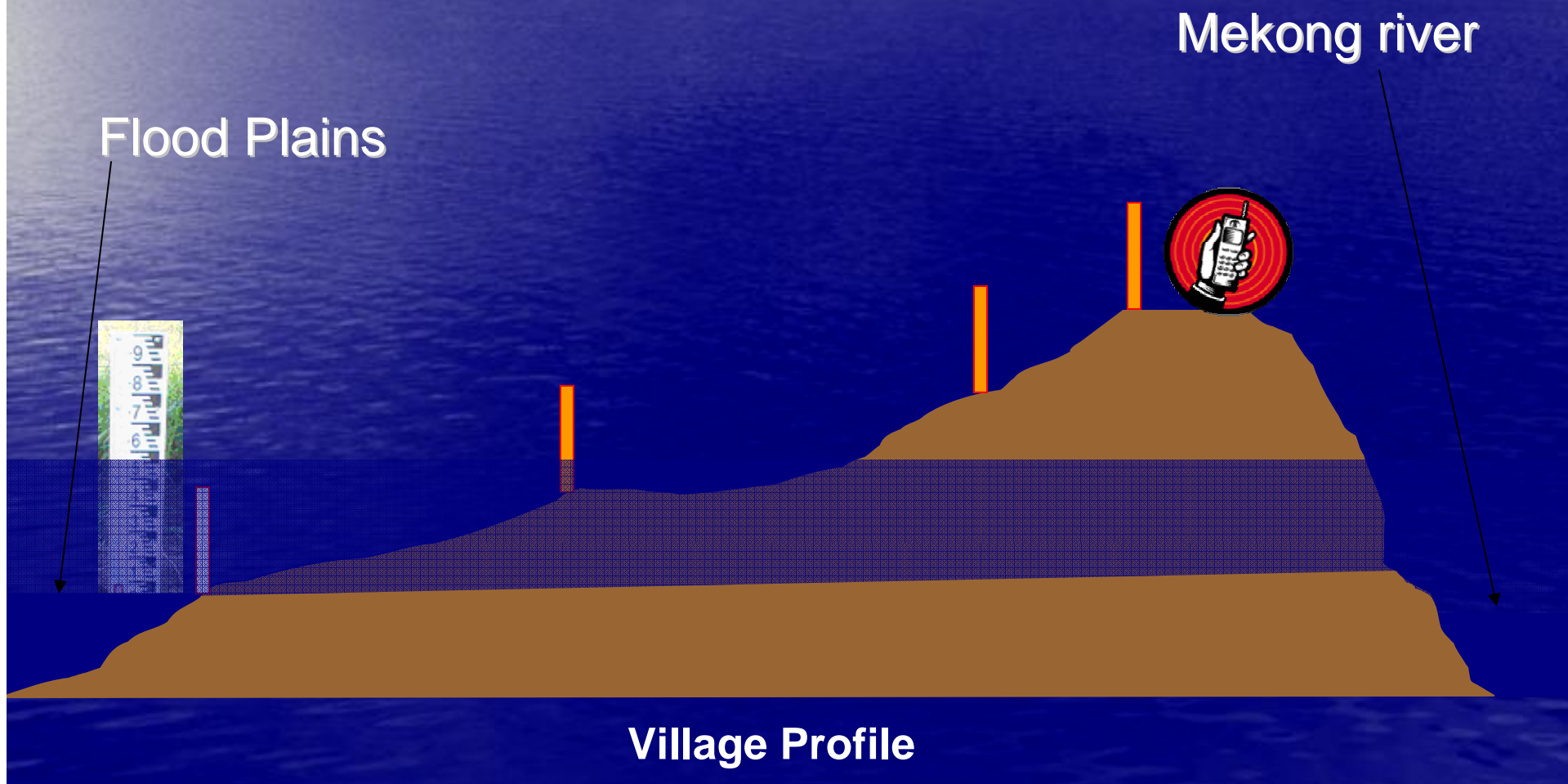


Flood Early Warning





Flood Early Warning



Flood Plains

Mekong river

Village Profile



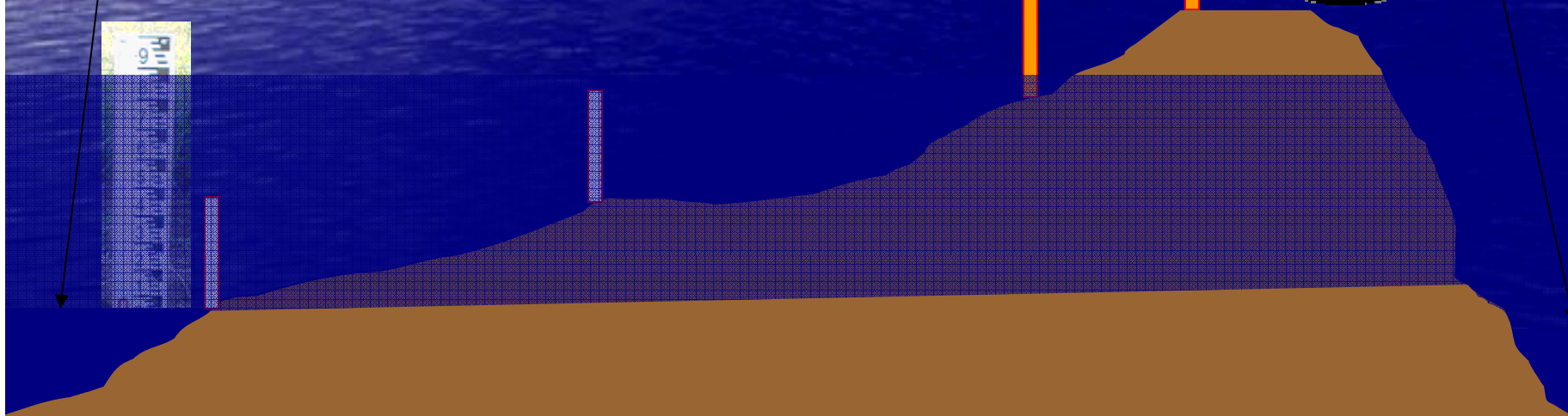
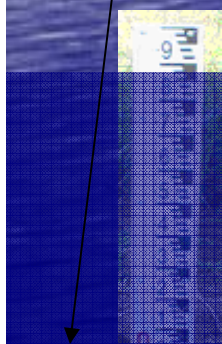
Flood Early Warning

Flood Plains

Mekong river

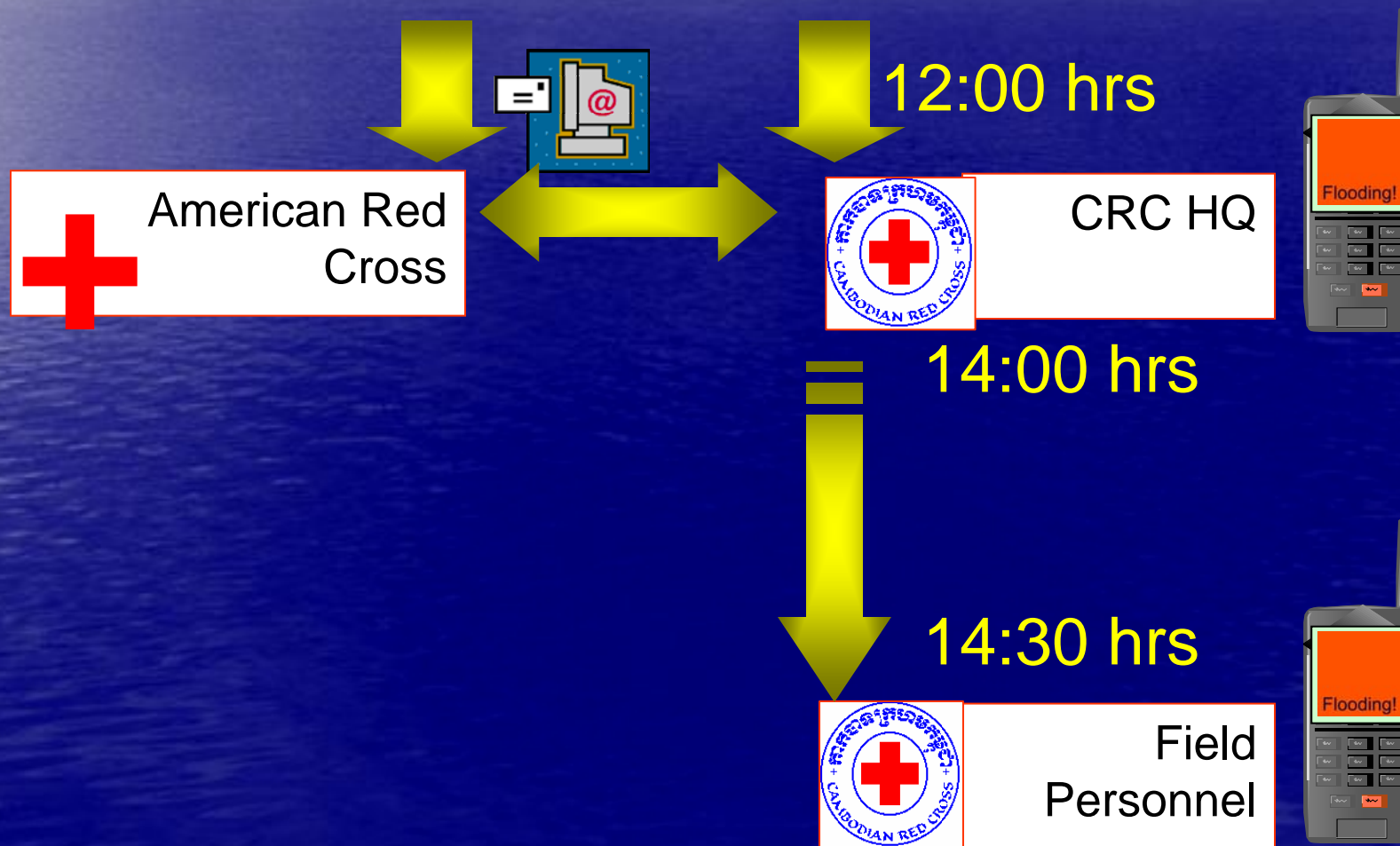


Village Profile





Information flow





Community Feedbacks



17:00 hrs



15:00 hrs





Community Billboard

Flood Level Information Table

Village
Population
Area

ស្រុកលើទ្វីប
: ២០៥៤នាក់
: ៤៥០ហិកតា

Warning Level 1
Warning Level 2
Warning Level 3

Day Month Year	Water Level at NL st. (meter)	Water Level at Vil. (meter)	Flooded area (ha)
Yesterday	26.9.03	6 - 94	2.18
Today	27.9.03	6 - 88	367
Tomorrow	28.9.03	6 - 85	
After Tomorrow	29.9.03	6 - 84	

គំរោង ផ្តល់ព័ត៌មានជាមុន ពីទឹកខ្ពស់ដល់សហគមន៍ទាបទន្លេ
ក្នុងអាណាខ្ពស់មេគង្គខាងក្រោម ដំណាក់កាលទី១ កម្ពុជា និង ឡាវ

Project: Provision of Flood Early Warning to Flood-Vulnerable
Communities in the Lower Mekong Basin, Phase1, Cambodia and Lao PDR

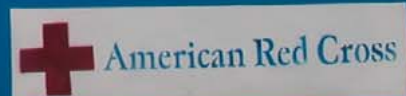
ឧបត្ថម្ភថវិកាដោយ : OFDA/USAID

Funded by : OFDA/USAID

ប្រតិបត្តិការដោយ : លេខាធិការដ្ឋានគណៈកម្មការទន្លេមេគង្គ

Executed by : MRC Secretariat & CRC/ARC

កាកបាទក្រហមកម្ពុជា និង កាកបាទក្រហមអាមេរិកកាំង





Community Flood Forecasting/Mapping

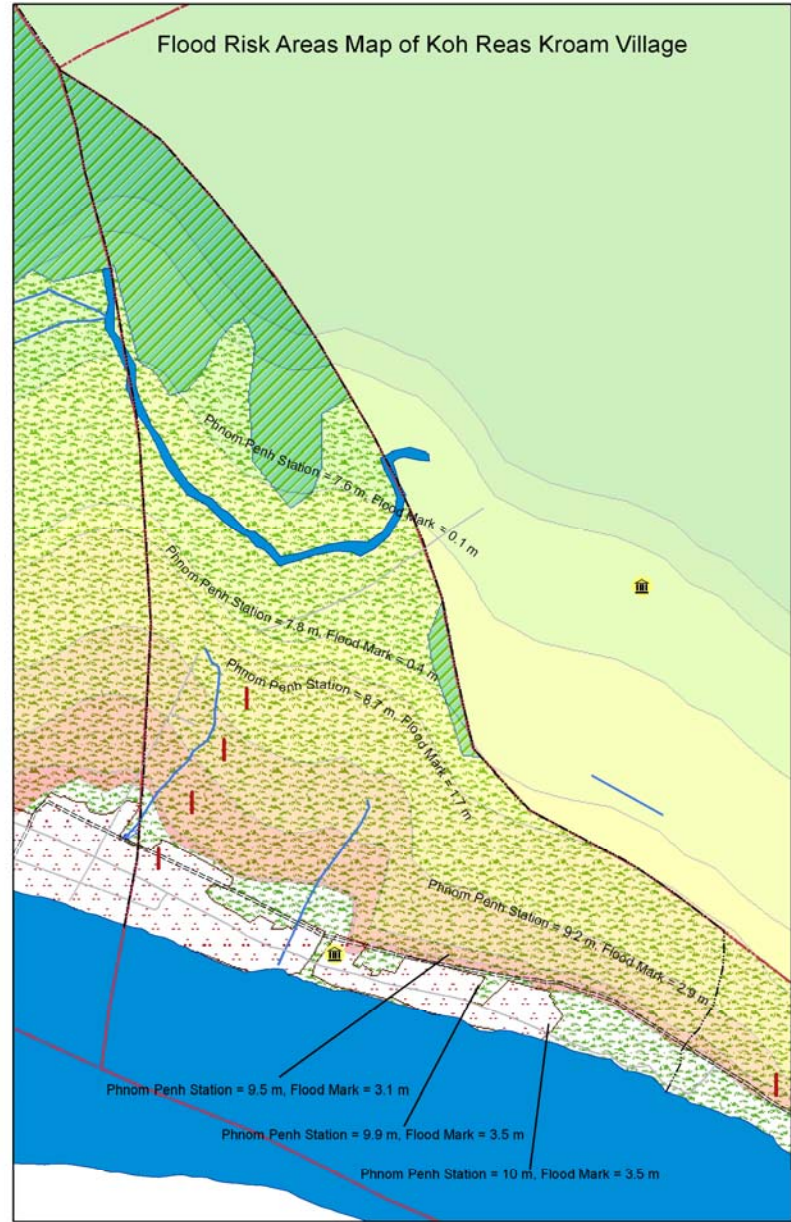
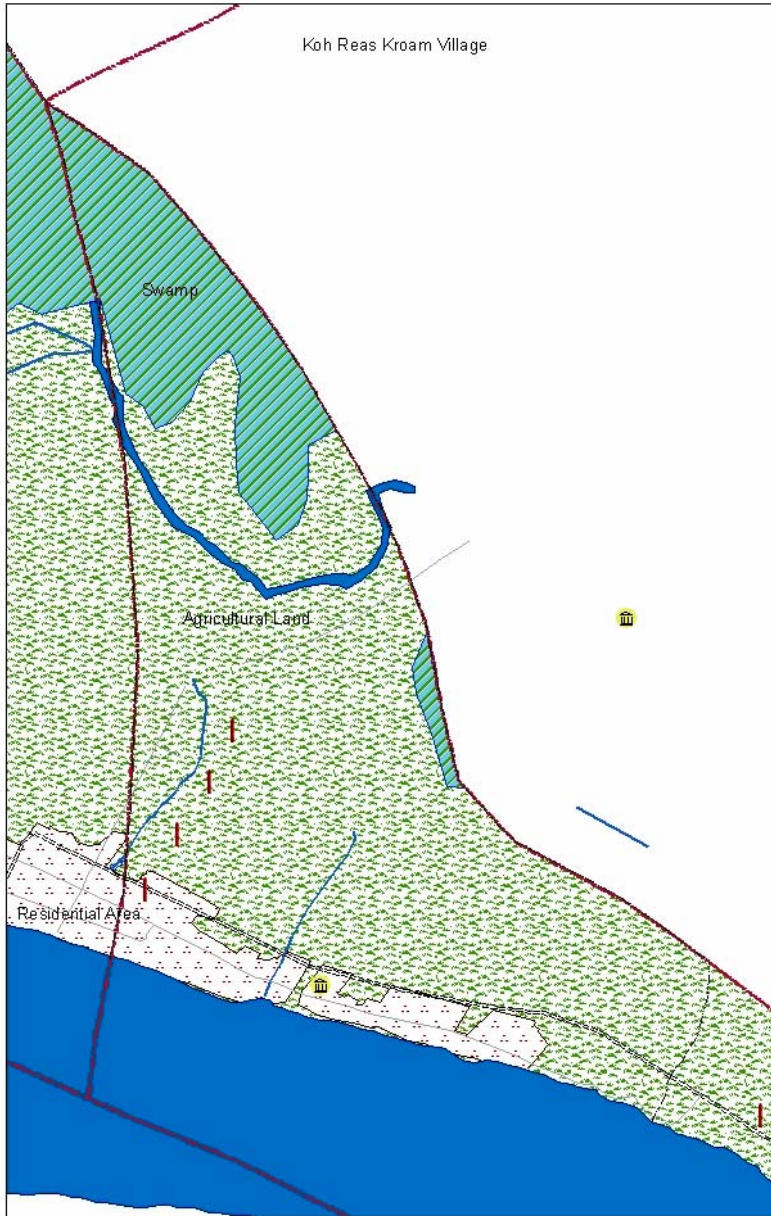
Community Flood forecasts are made and disseminated

Community Flood maps are being developed

The screenshot shows an Excel spreadsheet with the following structure:

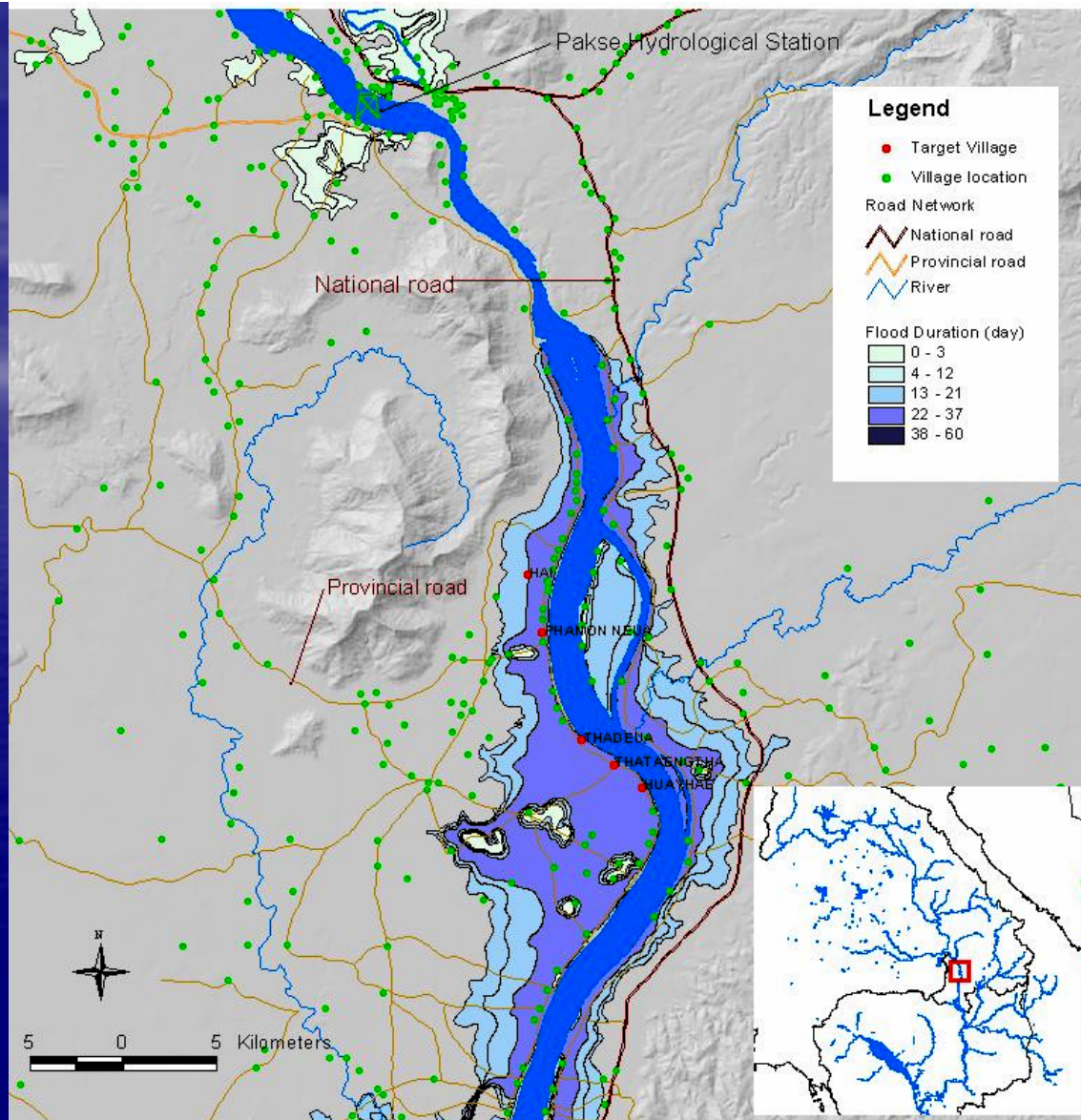
INFORMATION ON FLOOD WATER LEVEL AT THE SELECTED VILLAGES					
Referencing Station: PHNOM PENH (Bassac)			Date: 17 October 2003		
DATE	Water level (m) at P Penh (Bassac)	Predicted WL (m) at Veal Thum Village	Observed WL (m) at Veal Thum Village	REMARKS	
Observed					
Predicted Water Level					
Observed					
Predicted Water Level					
Observed					
Predicted Water Level					

The background image shows a group of men in white shirts gathered around a table outdoors, looking at a large map or document. There are water bottles and glasses on the table. The scene is set in a rural area with thatched-roof buildings.





Target Villages for the Launching Phase in Lao PDR



Potential Project Site in Champasack Province
These villages have been used for implementing
a project of World Vision on CBDM Project

(Flood water is 1.5 meter and duration of 0.5 - 1 month)

The five target villages are Hai, Pha None Neua, Thadeua, Thateng, and Huayhe



THANK YOU VERY MUCH FOR YOUR KIND ATTENTION



តារាងព័ត៌មានស្ថានភាពទឹក

ថ្ងៃ	ខែ	ឆ្នាំ	កម្រិតទឹកនៅកម្រិតស្រទាប់	កម្រិតទឹកនៅកម្រិតស្រទាប់ខ្ពស់	កម្រិតទឹកនៅកម្រិតស្រទាប់ទាប	
ថ្ងៃទី	26	9	03	6-94	2.18	
ថ្ងៃទី	27	9	03	6-88	2.16	3.07
ថ្ងៃទី	28	9	03	6-85		
ថ្ងៃទី	29	9	03	6-84		

គម្រោង: គម្រោងការពារទឹកជំនន់កម្រិតទាបនៅប្រទេសកម្ពុជា
 គម្រោងការពារទឹកជំនន់កម្រិតទាបនៅប្រទេសកម្ពុជា
 គម្រោងការពារទឹកជំនន់កម្រិតទាបនៅប្រទេសកម្ពុជា

Project: Protection of Flood Early Warning in Flood-Prone
 Communities in the Lower Mekong Basin, Phnom Penh and the P-3
 Authority
 គម្រោងការពារទឹកជំនន់កម្រិតទាបនៅប្រទេសកម្ពុជា
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 គម្រោងការពារទឹកជំនន់កម្រិតទាបនៅប្រទេសកម្ពុជា

Partner: IFWAD
 ដៃគូ: IFWAD
 MRC member & IACWC
 MRC member & IACWC
 American Red Cross
 American Red Cross

