

Improvement of Irrigation Efficiency on Paddy Fields in the Lower Mekong (IIEPF) Project

Fig 1. Location Map







Evaporation/Percolation measurement

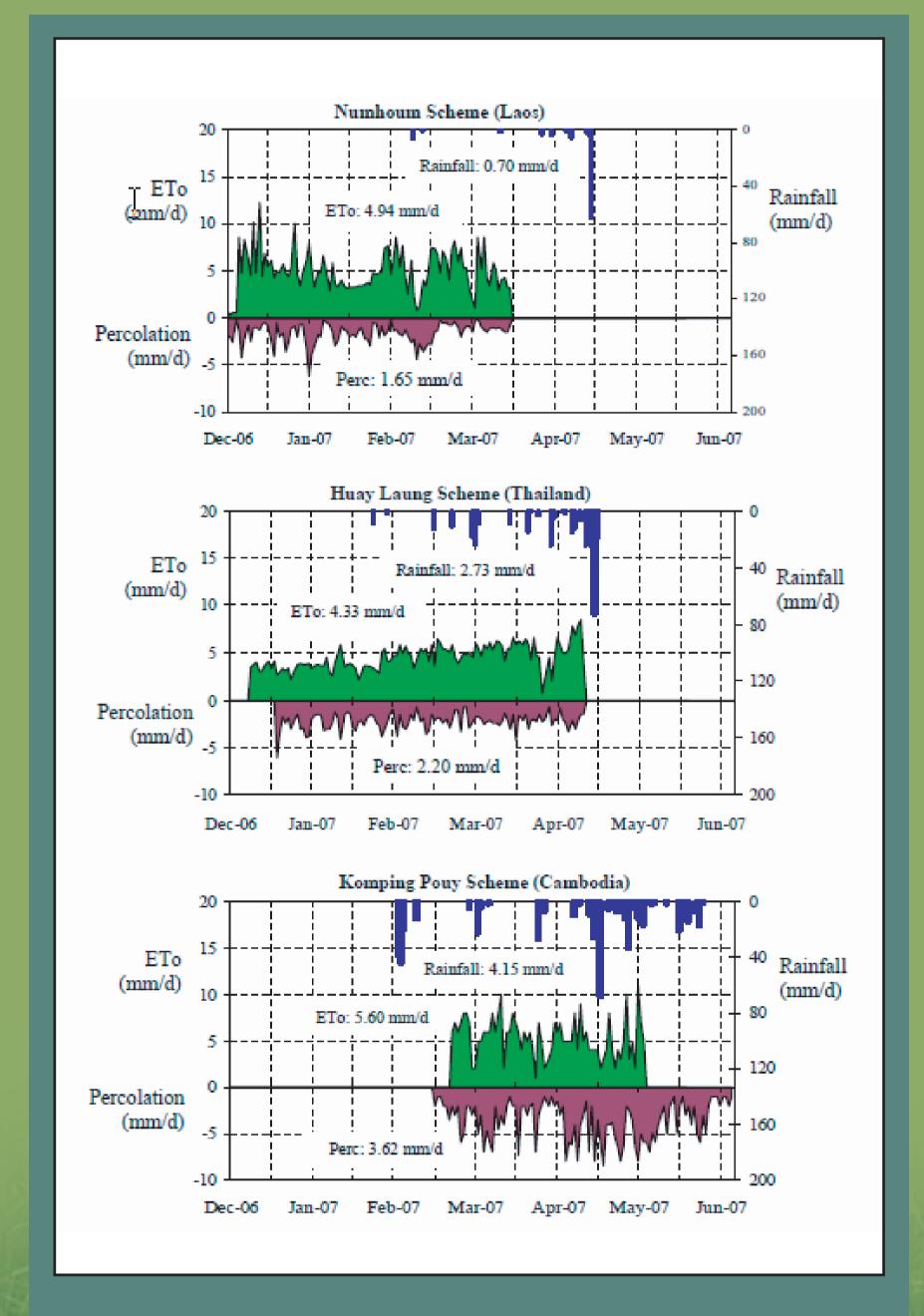




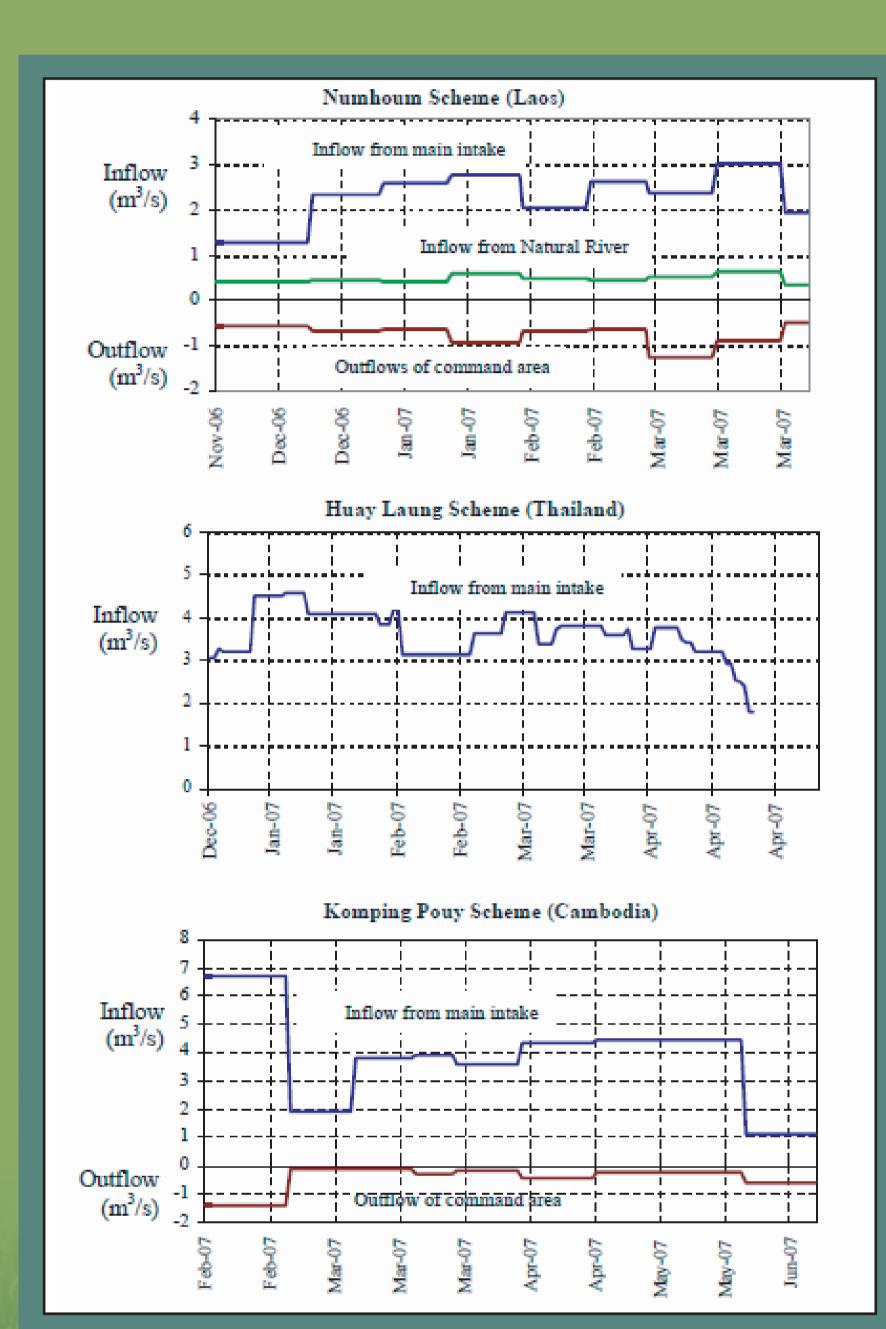
The IIEPF project aims to contribute to efficient irrigation water use through providing good institutional, managerial and technical guidance for irrigation facilities operation. In order to achieve this project objective, the IIEPF project is now conducting intensive field observation at four selected pilot irrigation schemes. (Fig 1.)

As shown in Fig 2. the IIEPF project has completed 2006/07 dry season observation and MRCS, in cooperation with line agencies, is now conducting in-depth analysis of water balance, irrigation efficiency and water productivity at command area level. The project plans to publish technical reports in various publications and forums such as the 3rd Southeast Asia Water Forum, and the Paddy and Water Environment Journal among others. These reports will be compiled as a part of the project's outputs.

The figures below show some examples of interesting results achieved so far. Further analysis is now continuing. In parallel, field observation to cover the 2007 rainy season irrigation practices is also under way at the four pilot sites. The final result of two crop seasons' observation will be made available in early 2008.



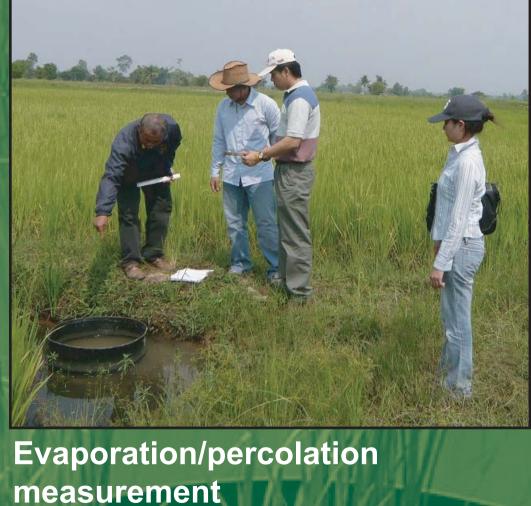
The figures above show daily rainfall, evaporation and percolation rate at three pilot sites. Observation reveals that rainfall this dry season has been generally low and only 0.7 mm/day was recorded at Nam Houm in Lao PDR. This information is to be used for field level water balance analysis.



These three figures above show the rate of water flow into and out from the command area of the schemes. This information is to be used to understand scheme-level water management practices and will be key information when proposing ideas to improve water use efficiency.



2. Detailed work plan





Rain gauge

	2006						Year 2007								
	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
Crop calender and irrigation schedule															
Komping Pouy (Cambodia)															
Nam Houm (Laos)															
Huay Luang (Thailand)															
Go Cong (Vietnam)															

Evaporation/Percolation measurement