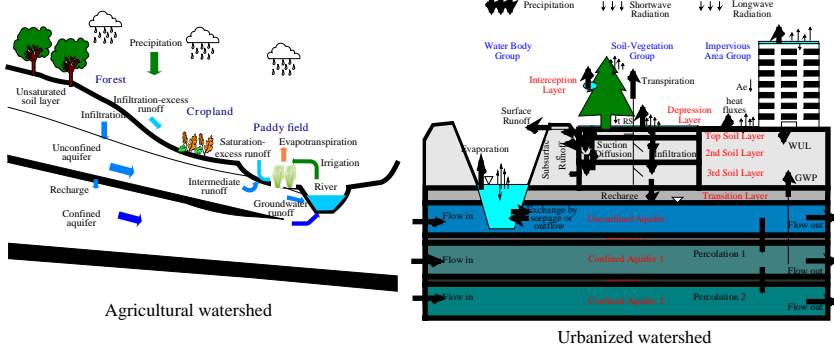


Development of WEP Model and its Application to Urbanized and Agricultural Watersheds

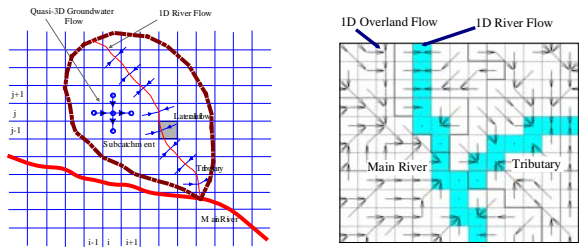


Hydrological Processes Considered in the WEP Model



Hydrologic Engineering Research Team
Public Works Research Institute

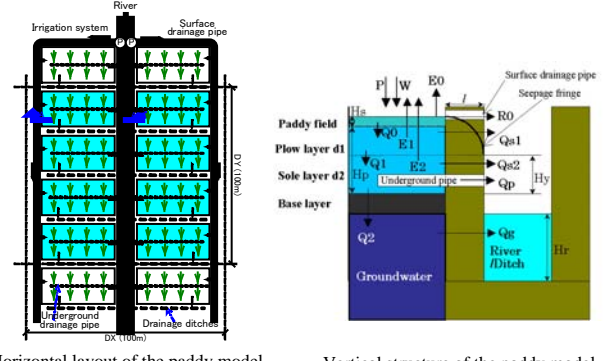
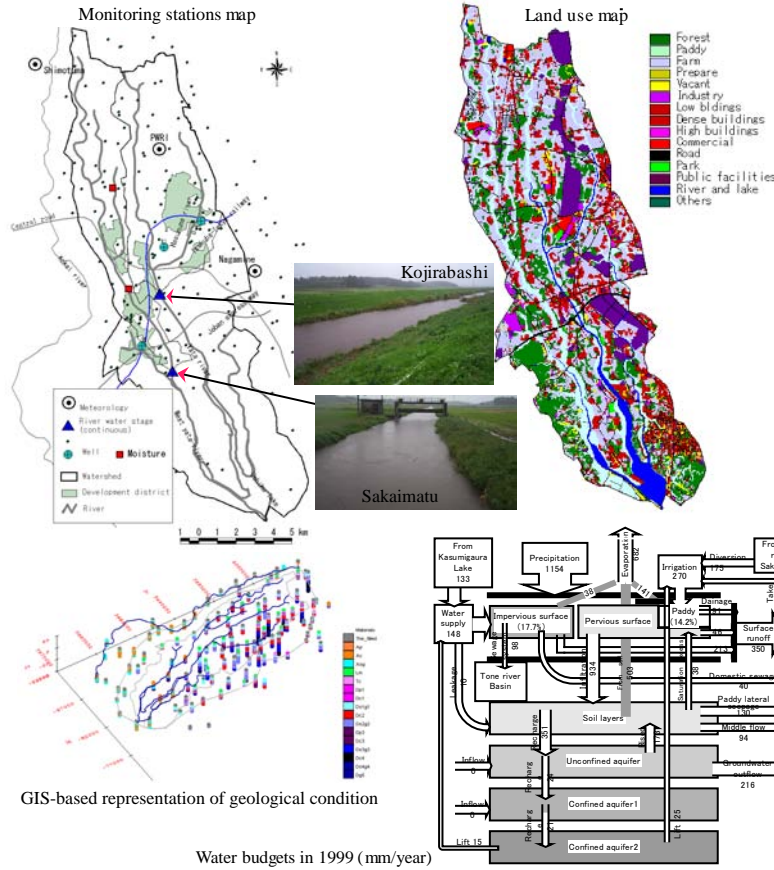
Structure of the WEP Model and Paddy Module



Horizontal structure of the WEP model

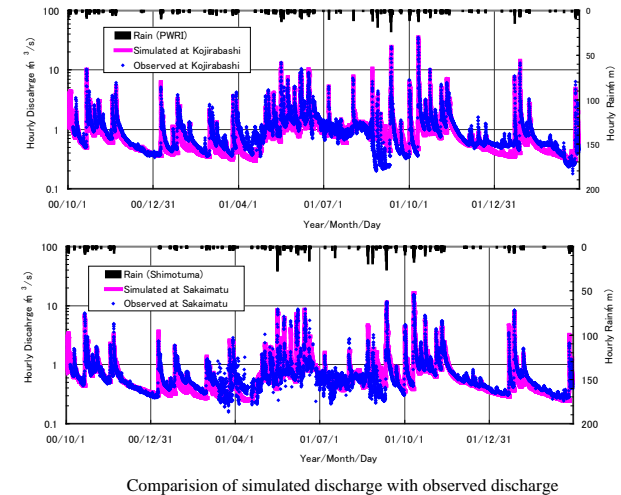
Overland flow modeling in the WEP model

Application to Agricultural Watershed (Yata Watershed, CA=166km²)



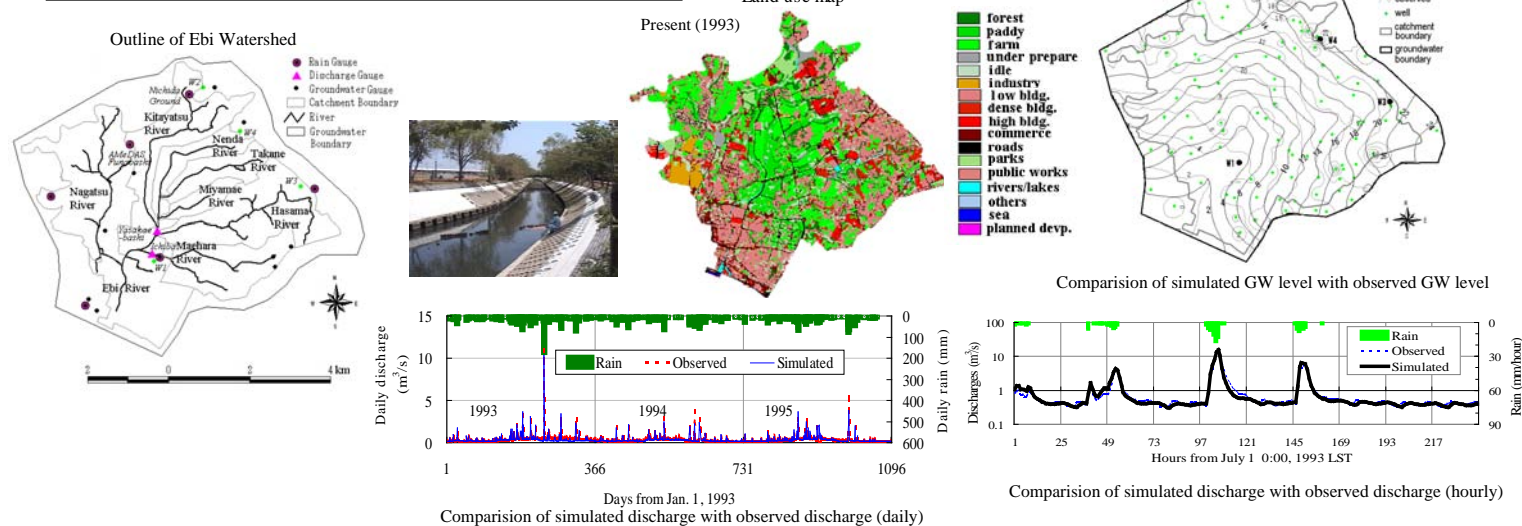
Horizontal layout of the paddy model

Vertical structure of the paddy model



Comparison of simulated discharge with observed discharge

Application to Urbanized Watershed (Ebi Watershed, CA=27km²)



Comparison of simulated GW level with observed GW level

Comparison of simulated discharge with observed discharge (hourly)

Comparison of simulated discharge with observed discharge (daily)