

**8-5**  
**KLCM and LPC Project Area**  
**in Northeast Region**

**Note:**  
 Data Source: RID

**Date:** September 2010

**LEGEND**

**KLCM Project**

- Gravity Phase I
- Gravity Phase II
- Gravity Phase III
- Pump Phase I
- Pump Phase II
- Pump Phase III
- Tunnel
- Canal

**LPC Project**

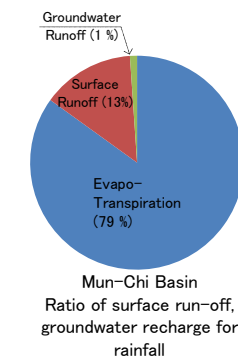
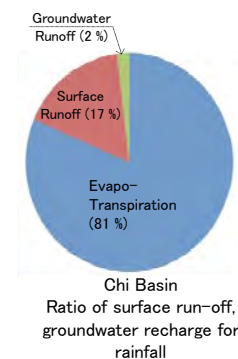
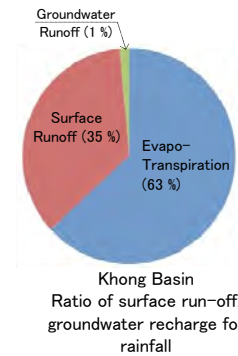
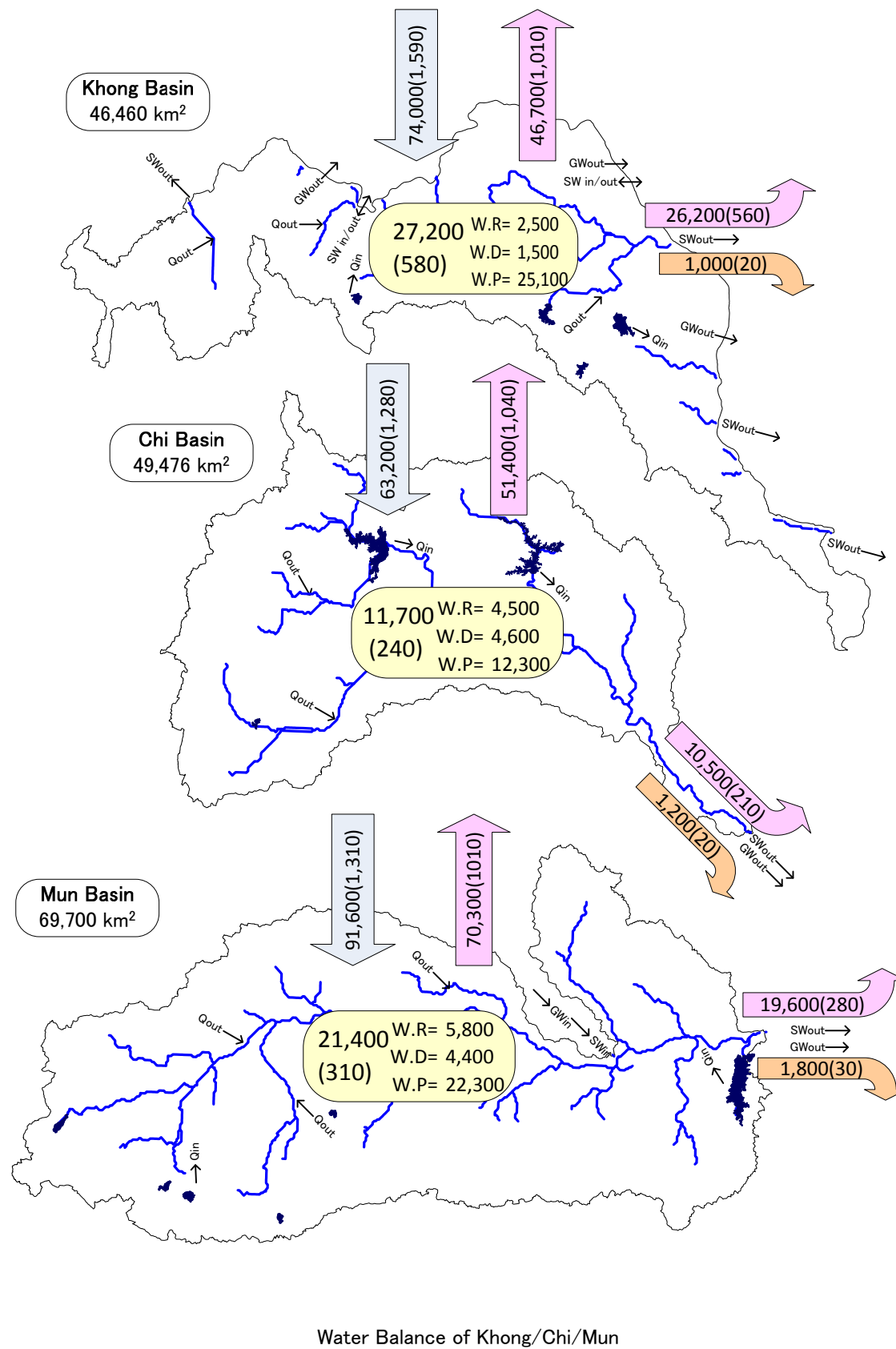
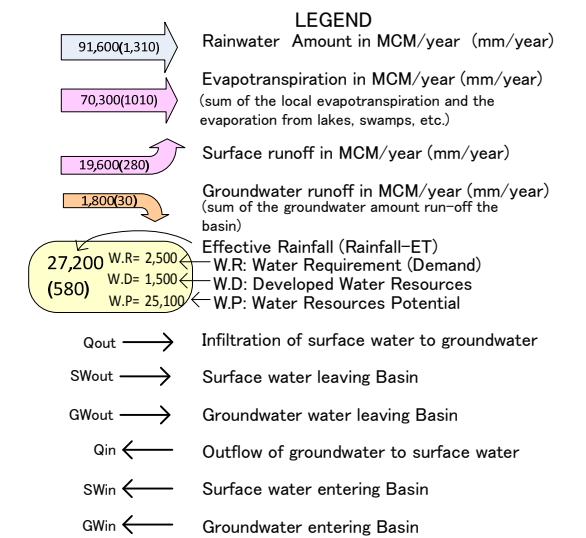
- Phase I
- Phase II
- Canal

# 9-1 Summary of Basin Water Balance (1)

**Note:**  
Data Source: Processed by JICA study Team using RID, DWR and TMD observation data

**Date:** September 2010

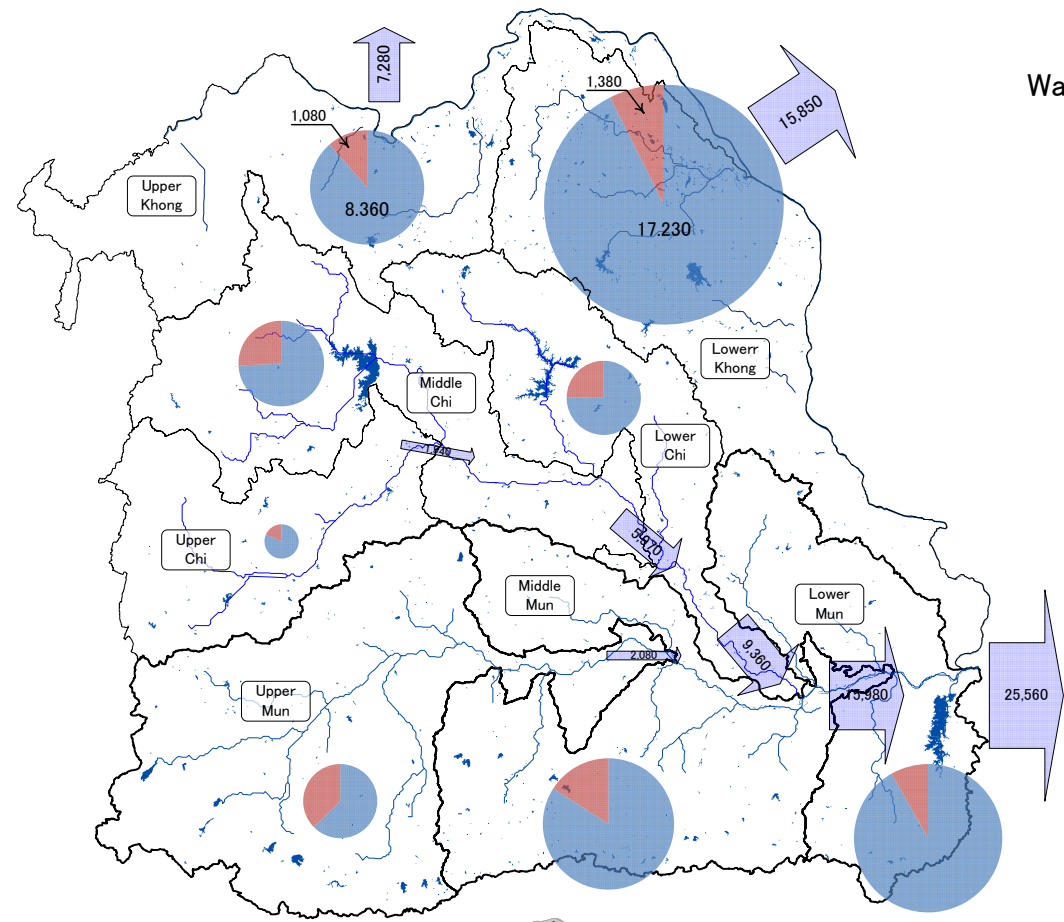
## LEGEND



Summary of Basin Water Balance

Balance Items	Khong Basin		Chi Basin		Mun Basin		Mun-Chi Basin	
	(mcm)	%	(mcm)	%	(mcm)	%	(mcm)	%
<b>&lt;Hydrology&gt;</b>								
Rainfall	74,000	100	63,200	100	91,600	100	154,800	100
Evapotranpiration	46,700	63	51,400	81	70,300	77	121,700	79
Surface Water Runoff	26,200	35	10,500	17	9,100	21	19,600	13
Groundwater Runoff	1000	1	1200	2	600	2	1,800	1
<b>&lt; Water demand &gt;</b>								
Current Water Demand (total)	2,500	100	4,500	100	5,800	100	10,300	100
Agricultural Water Demand	2,100	85	4,100	90	5,100	87	9,200	89
Domestic Water Demand	380	15	470	10	730	13	1,200	12
<b>&lt;Water Developed&gt;</b>								
Current Water Development (total)	1,500	100	4,600	100	4,400	100	9,000	100
Effective Reservoir Capacity	1,400	94	4,400	97	4,200	96	8,600	96
Groundwater Withdraw	90	6	160	3	180	4	340	4
<b>&lt;Developing Potential&gt;</b>								
Developing water(total)	25,100	100	12,300	100	22,300	100	34,600	100
Developing water(surface)	24,200	96	11,200	91	20,800	93	32,000	92
Developing water(groundwater)	900	4	1,100	9	1,600	7	2,700	8





Water Balance of Sub-basin

Khong Basin

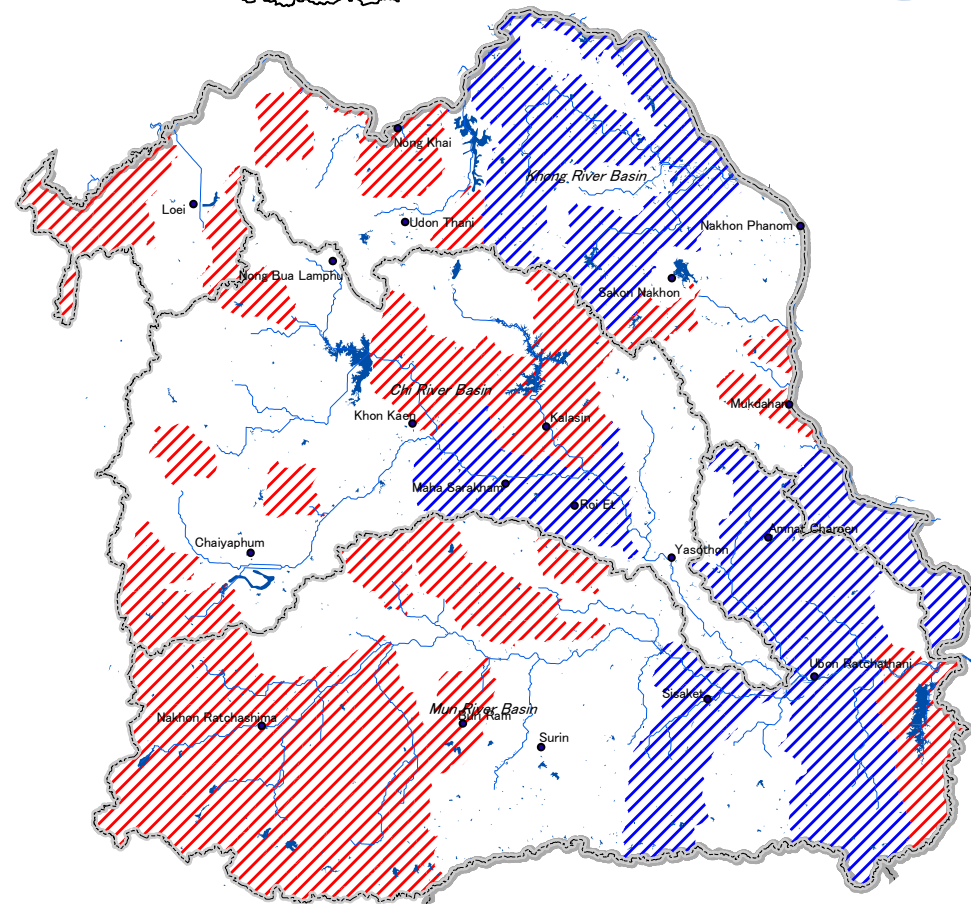
U.Khong		L.Khong	
W=	8,360	W=	17,230
D=	1,080	D=	1,380
R=	7,280	R=	15,850
P=	2,680	P=	4,940
I=	690	I=	970

Chi Basin

U.Chi		M.Chi		L.Chi	
W=	2,500	W=	6,320	W=	5,370
D=	570	D=	2,190	D=	1,780
R=	1,940	R=	4,030	R=	3,390
P=	1,700	P=	5,840	P=	3,260
I=	310	I=	1,220	I=	980

Mun Basin

U.Mun		M.Mun		L.Mun	
W=	5,160	W=	9,300	W=	10,520
D=	3,080	D=	1,760	D=	940
R=	2,080	R=	4,540	R=	9,580
P=	6,870	P=	7,820	P=	4,020
I=	1,580	I=	1,120	I=	630



Development Potential of Tributaries

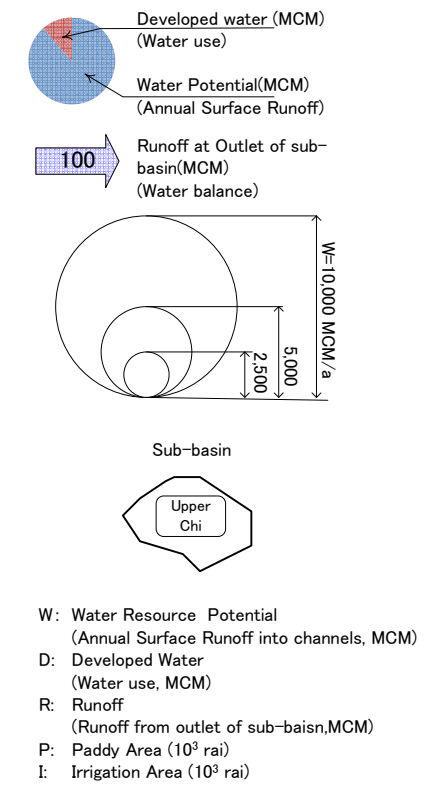
Water Resource Potential  
 - Developed Water  
 Development Potential

## 9-2 Summary of Basin Water Balance (2)

**Note:**  
 Data Source: Processed by JICA study Team using TMD observation data and FAO CLIMAT database

**Date:** September 2010

### LEGEND



Development Potential of Tributaries

High
  Middle
  Low

