

3-19
Flood Area of Northeast Region in 2006

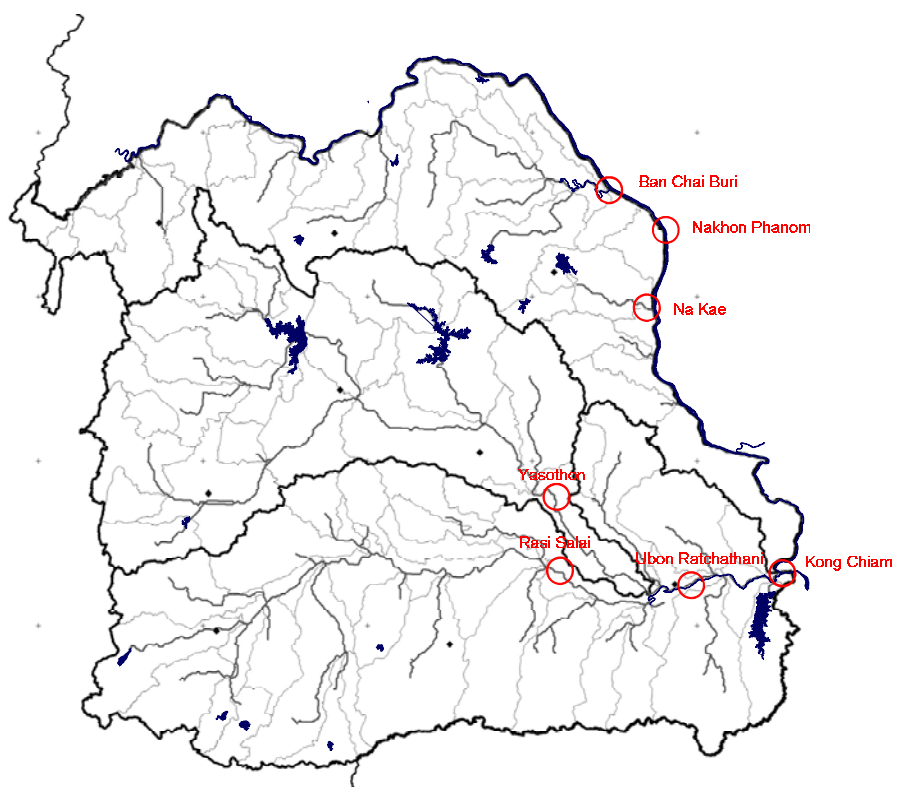
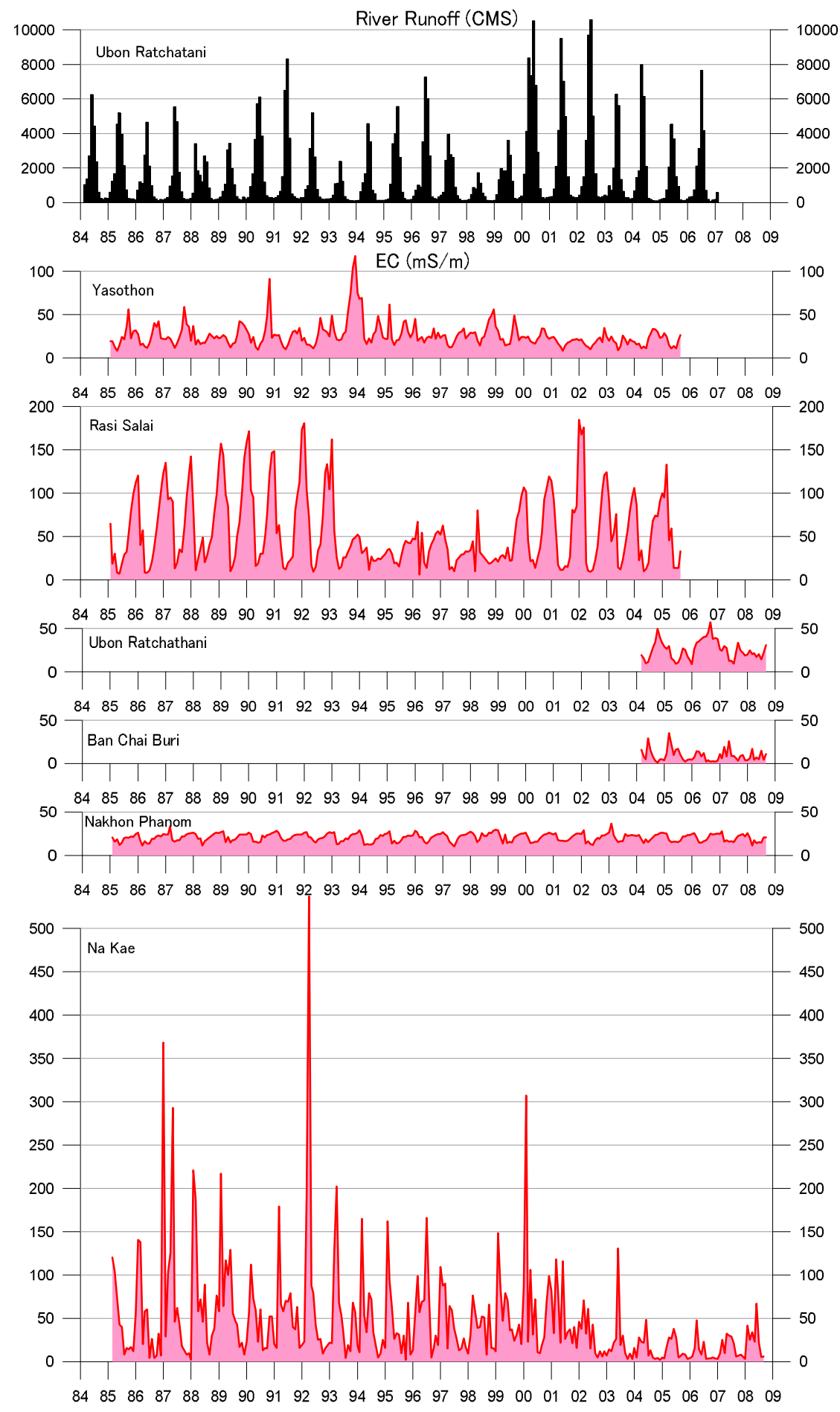
Note:
 Data Source: Final Report on Strategic Plans for Water Resources Management in 25 Basins, June 2007, DWR

Date: September 2010

LEGEND

- Flood Area in 2006
- International Boundary
- Basin Boundary
- Subbasin Boundary
- Built Area
- Reservoirs/Ponds
- River





Location Map of Water Quality Station

Electric Conductivity (1985–2008) unit: mS/m

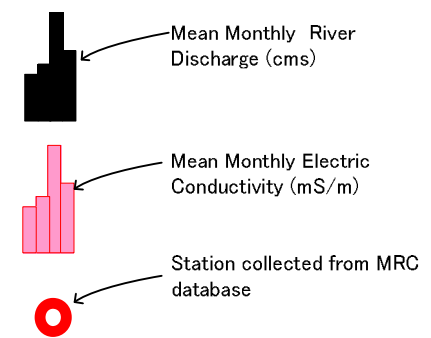
Year	Yasothon			Rasi Salai			Nakhon Phanom			Na Kae		
	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.	Min.
1985	20	36	8	26	65	7	18	21	12	58	120	8
1986	26	56	12	54	121	8	19	26	12	46	141	4
1987	25	43	12	73	135	13	22	34	16	94	368	7
1988	27	59	15	59	142	11	21	26	12	61	221	2
1989	22	27	12	79	157	10	22	28	15	81	217	30
1990	26	42	10	82	171	16	21	26	15	40	112	8
1991	30	92	10	62	149	12	22	28	17	60	179	15
1992	24	46	11	78	181	10	21	27	15	96	537	16
1993	31	54	21	66	162	13	21	27	13	52	202	4
1994	54	118	16	35	52	12	19	29	12	55	165	11
1995	30	62	15	27	40	15	20	28	14	42	162	5
1996	27	45	18	38	67	6	21	28	14	58	166	2
1997	23	34	12	36	63	10	20	27	10	47	109	13
1998	26	34	15	36	81	10	23	27	15	35	76	8
1999	32	56	14	26	46	18	22	30	14	53	148	12
2000	24	36	17	56	107	14	21	26	14	63	307	10
2001	20	34	9	56	120	11	21	26	17	62	118	22
2002	18	22	10	74	185	9	20	29	12	33	71	5
2003	21	35	9	64	124	12	22	37	15	25	131	6
2004	19	33	11	53	106	10	20	24	14	15	48	3
2005	22	33	11	62	133	13	20	26	15	14	38	2
2006							21	26	14	12	48	3
2007							21	28	15	15	32	3
2008							19	26	11	21	67	3

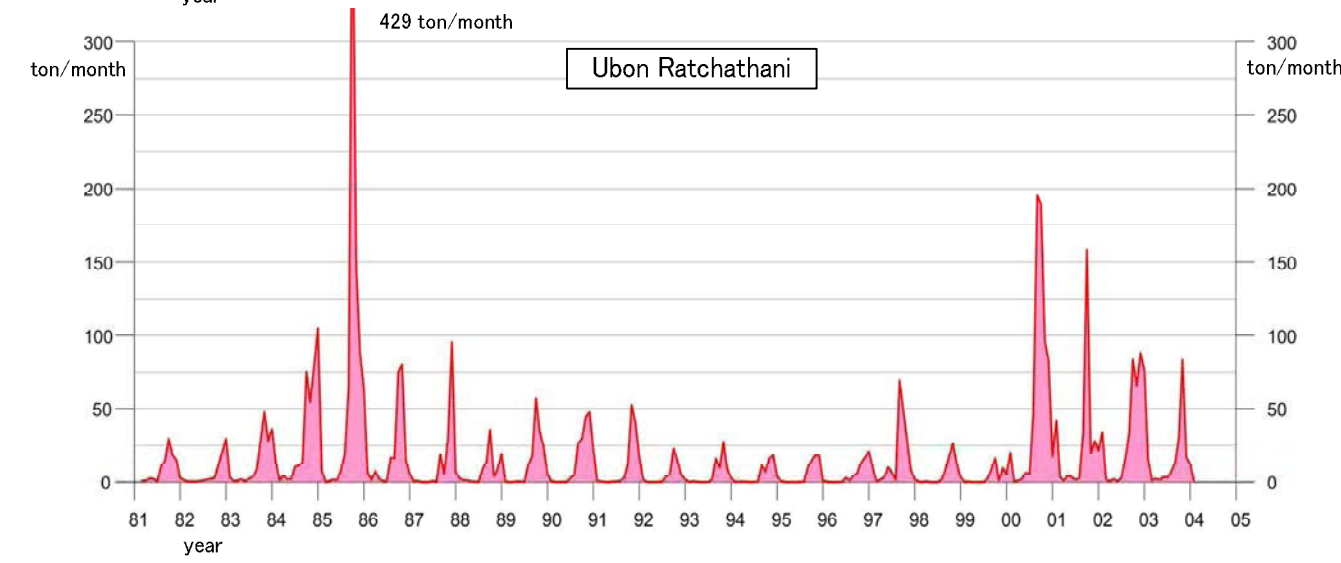
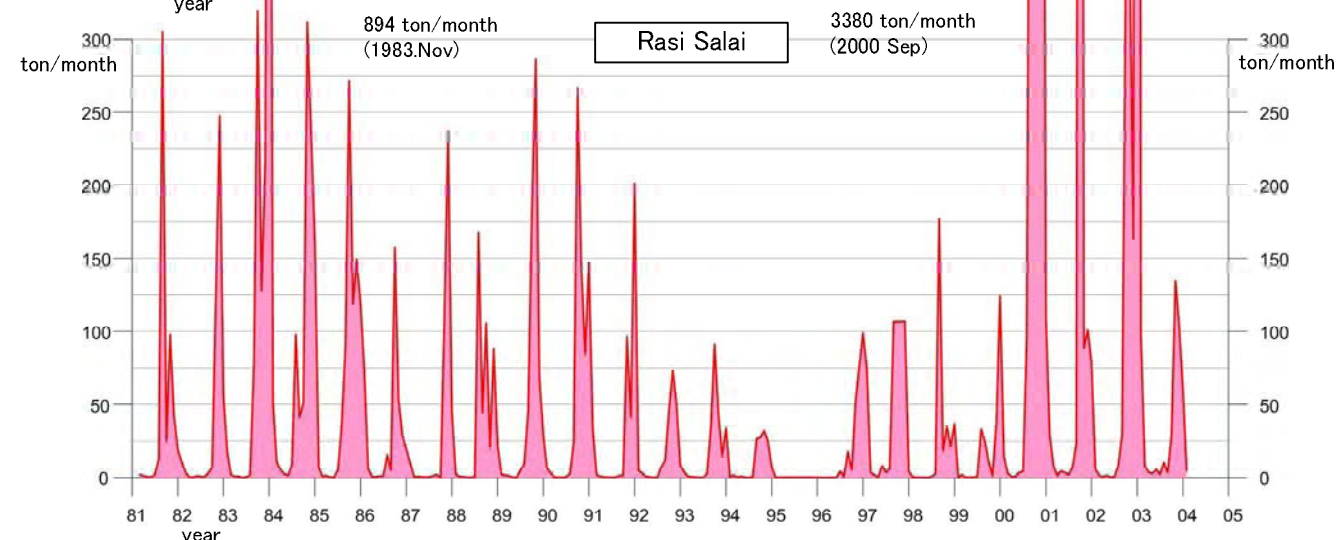
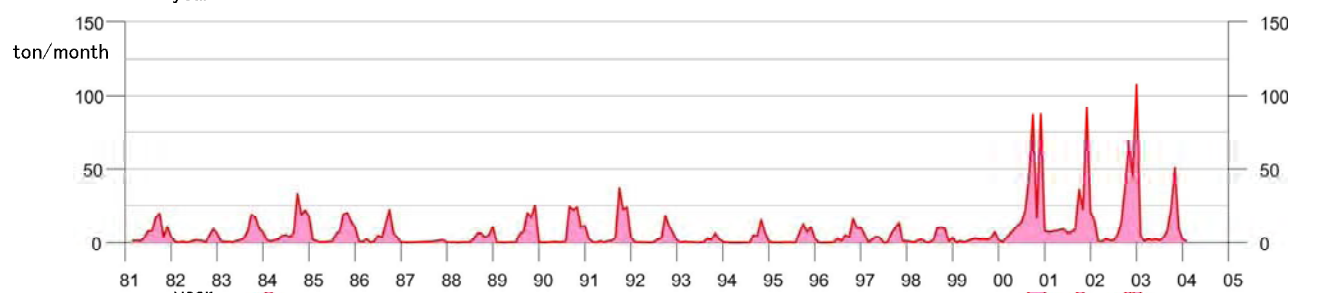
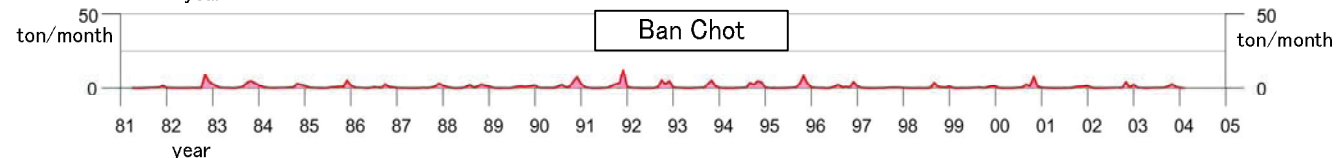
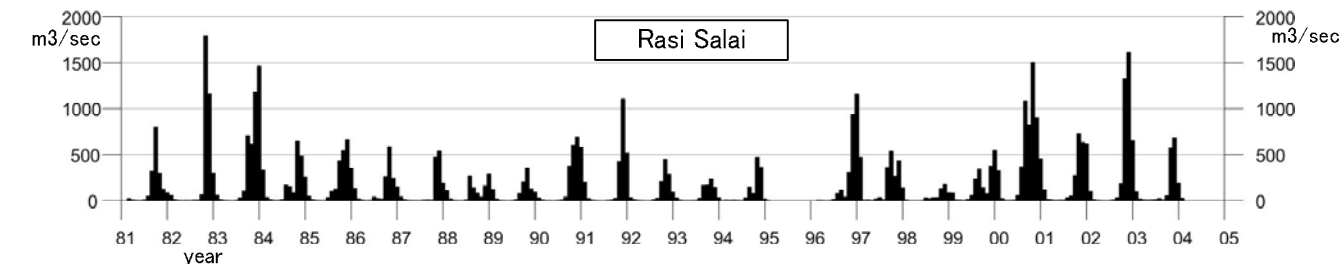
3-20
Water Quality (EC) of Surface Water

Note:
Data Source: Processed by JICA study Team using MRC data.

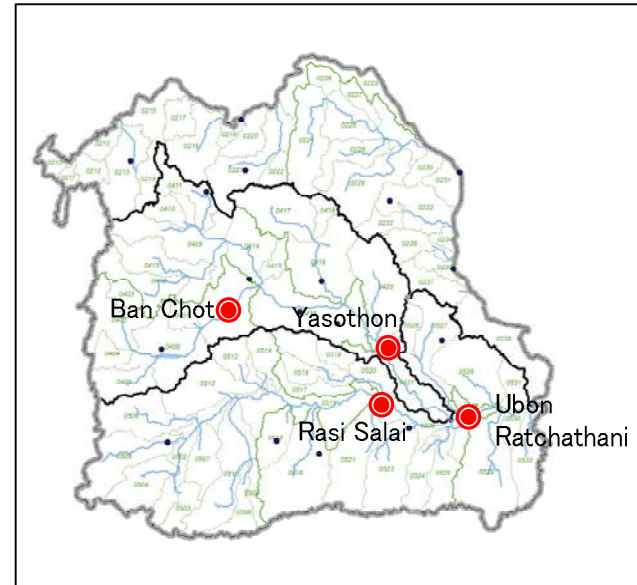
Date: September 2010

LEGEND





Mean Monthly River Runoff and Monthly Suspended Sediment



Selected Stations for Suspended Sediment Observation

Monthly Suspended Sediment (ton/year)

Year	Ban Chot	Yasothorn	Rasi Salai	Ubon Ratchathani
1981	3	79	507	98
1982	16	27	336	38
1983	15	69	1,692	173
1984	8	119	698	285
1985	10	81	863	828
1986	5	42	286	221
1987	6	5	395	162
1988	9	36	453	94
1989	7	77	627	152
1990	18	97	705	177
1991	20	95	350	129
1992	14	44	201	53
1993	7	16	223	68
1994	14	33	122	59
1995	15	40	-	63
1996	10	55	329	76
1997	1	30	238	101
1998	6	40	292	71
1999	4	24	249	64
2000	13	301	6,634	687
2001	5	217	2,017	311
2002	7	289	3,159	386
2003	5	106	368	173
Total	217	1,922	20,745	4,466

Data source: NRC database

3-21

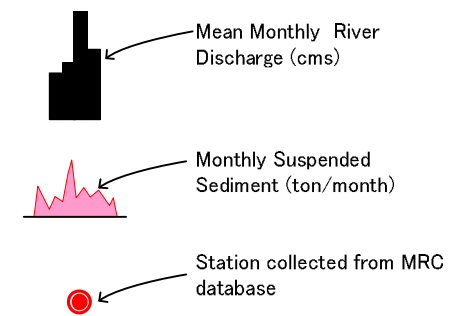
Suspended Sediment in Chi and Mun Basin

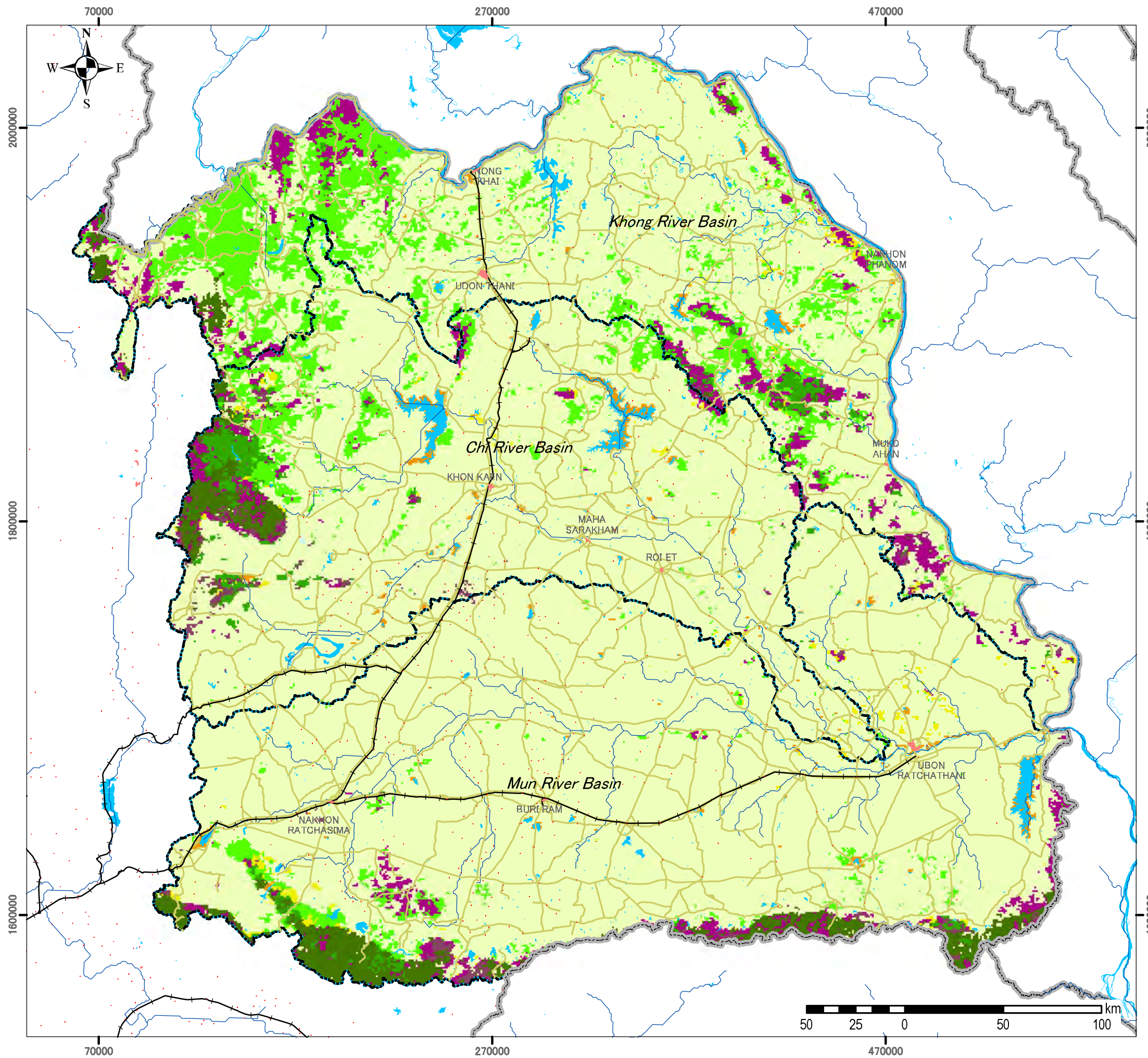
Note:

Data Source: Processed by JICA study Team using MRC database

Date: September 2010

LEGEND





4-1 Landcover Map for Northeast Region

Note:
 1) Data Source: International Steering Committee for Global Mapping (ISCGM)
 2) Specification of Landcover is based on Global Map ver.2.0 adopted at ISCGM16 in Bangkok

Date: September 2010

LEGEND

- Landcover Class**
- Broadleaf Deciduous Forest
 - Needleleaf Deciduous Forest
 - Mixed Forest
 - Tree Open
 - Shrub
 - Herbaceous, single layer
 - Sparse Vegetation
 - Cropland
 - Paddy field
 - Cropland / Natural Vegetation Mosaic
 - Mangrove
 - Bare area, unconsolidated (sand)
 - International Boundary
 - Basin Boundary
 - Rail
 - Road
 - River
 - Reservoirs/Ponds

Survey on Basic Data –
 Information Collection and Confirmation
 on Water Resources Management
 in Northeast Region of Thailand

