

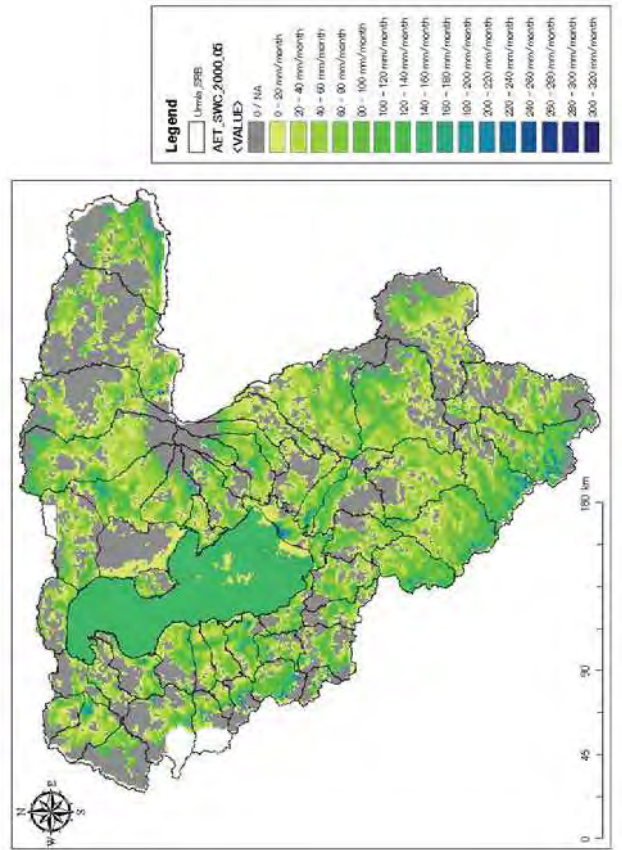
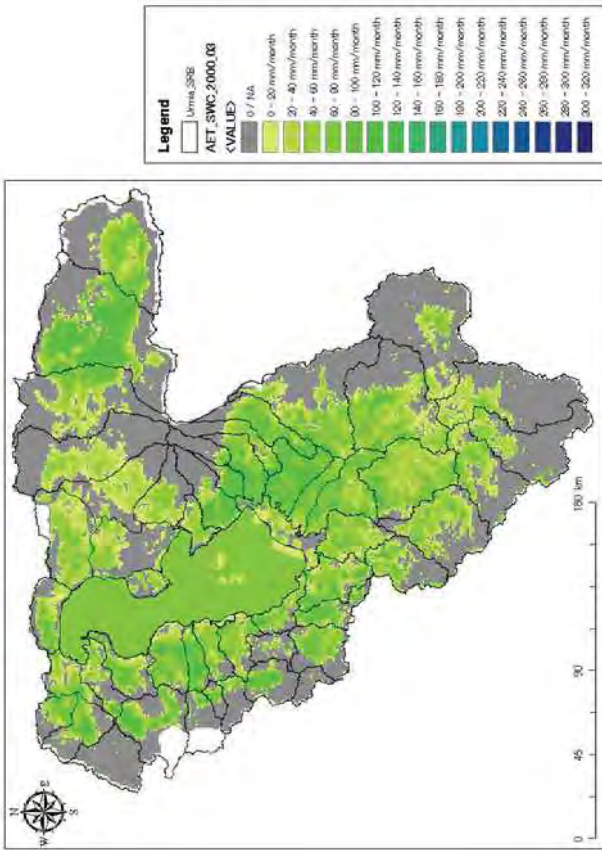
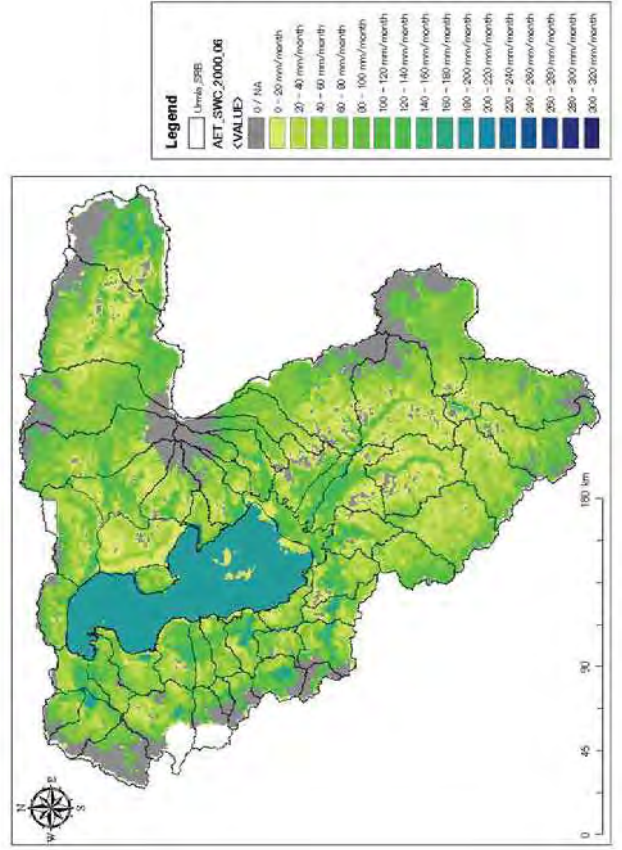
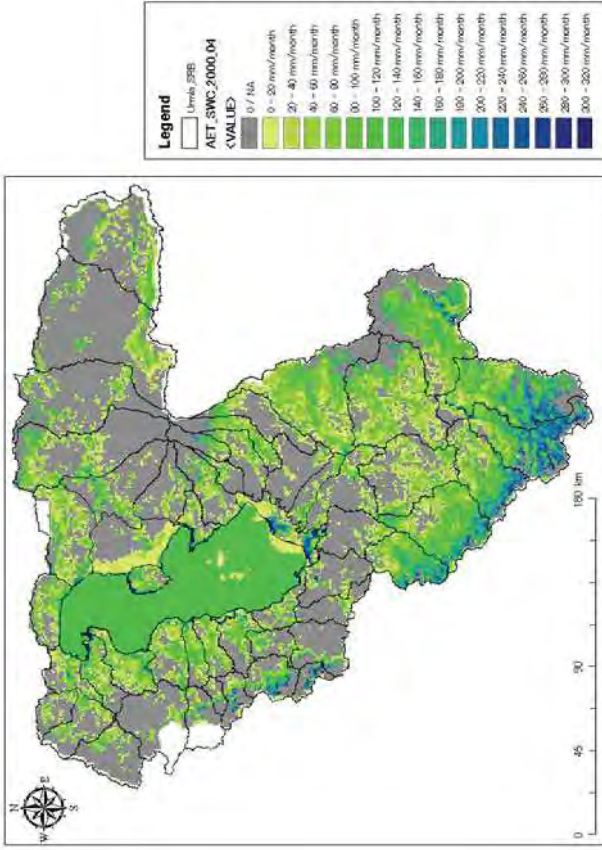
Appendix 5-1
Applied Rainfall Correction

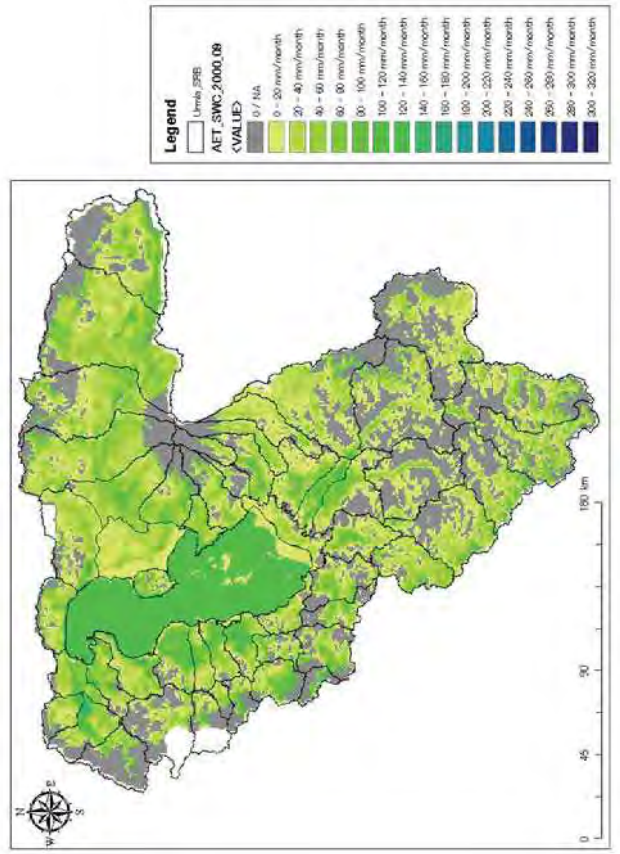
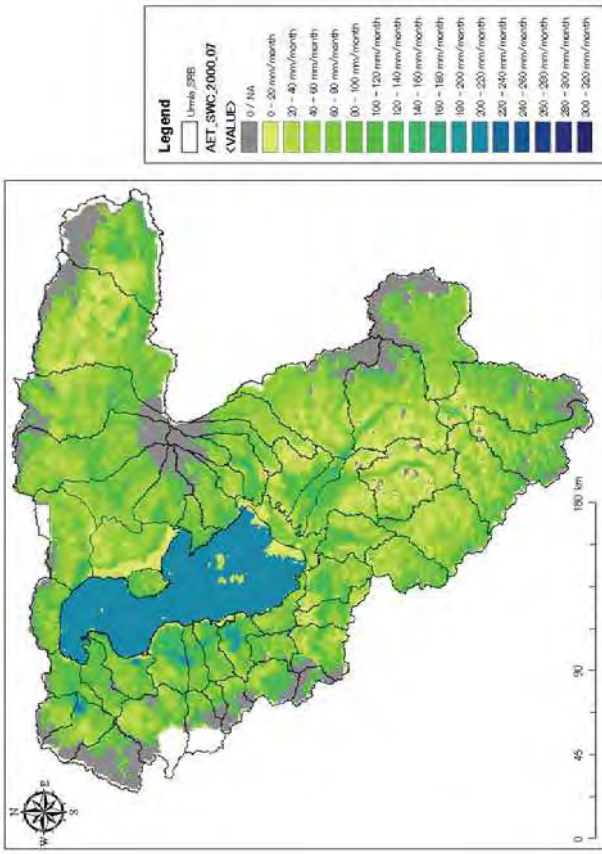
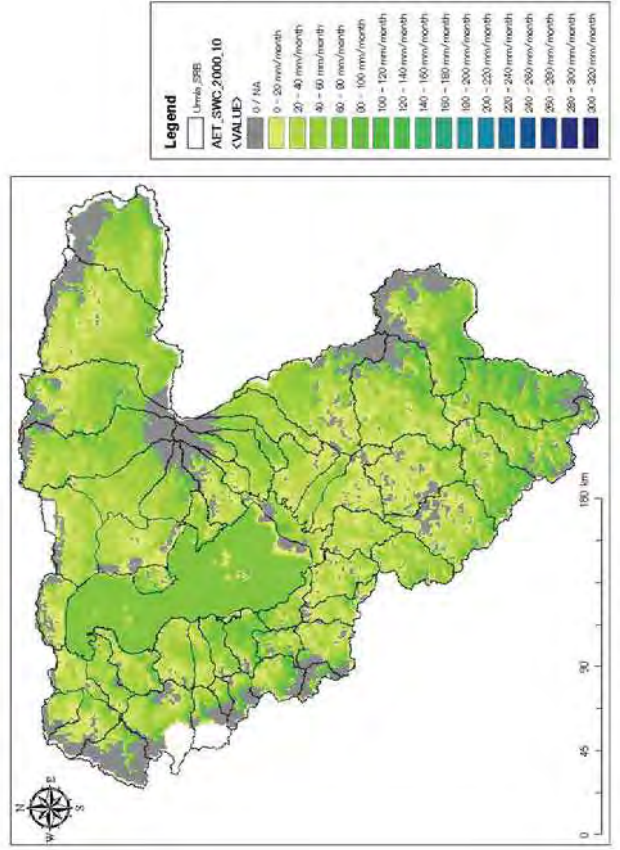
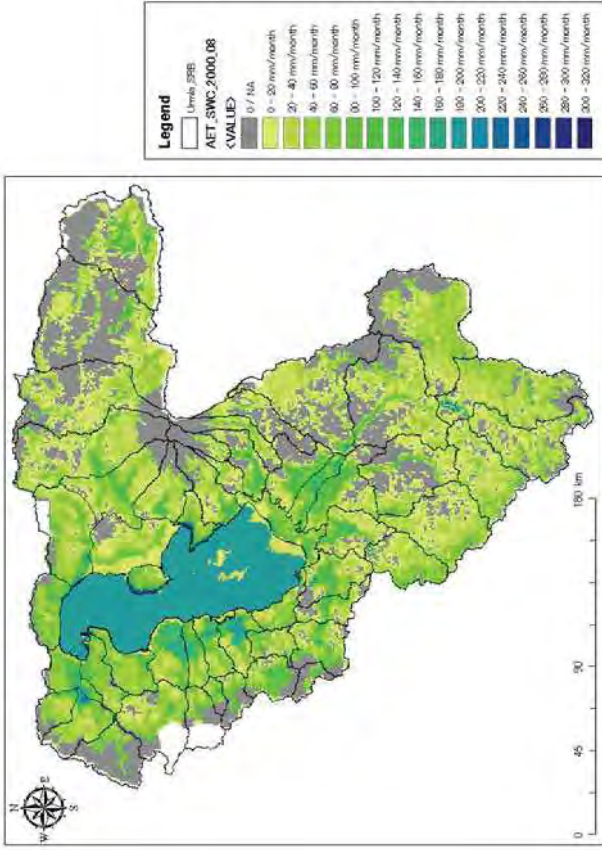
No.	Sub River Basin	Value (°C)	No.	Sub River Basin	Value (°C)
1	Zola Chay Low	0	33	Sarough Chay	0
2	Zola Chay Mid2	0	34	Lilang Chay Low	0
3	Zola Chay Mid1	0	35	Lilang Chay UR	0
4	Zola Chay Up	0	36	Lilang Chay UL	0
5	Residual 1-2	0	37	Gale Chay L Low2	0
6	Residual 1-1	0	38	Gale Chay R Up	0
7	Nazlo Chay Low	0	39	Sufi Chay L Low1	0
8	Nazlo Chay UL	0	40	Sufi Chay L Up	0
9	Nazlo Chay UR	0	41	Aghmiun Chay	5
10	Rose Chay Low	0	42	Vanagh Chay	0
11	Rose Chay Up	0	43	Tajyar Chay / Razligh Chay	1
12	Sahar Chay Low	0	44	Aji Chay Up1	0
13	Sahar Chay Up	7	45	Chekeh Chay	1
14	Baradoz Low	0	46	Aji Chay Mid1	0
15	Baradoz UR	0	47	Ojan Chay	0
16	Baradoz UL	10	48	Par chay	2
17	Residual 2	0	49	Nahand Chay	2
18	Gedar Chay Low	0	50	Aji Chay Mid2	0
19	Gedar Chay Mid2	0	51	Gomanab Chay	0
20	Gedar Chay Mid1	3	52	Lighavan Chay	0
21	Gedar Chay Up	20	53	Aji Chay Mid3	0
22	Mahabad Chay Low	0	54	Varkash Chay	0.5
23	Mahabad Chay Up	0	55	Aji Chay Low1	0
24	Simine Rud Low	0	56	Aji Chay Low2	1
25	Simine Rud Mid	0	57	Aji Chay Residual	0
26	Simine Rud Up	0	58	Residual 3-1	0
27	Zarineh Rud Low	0	59	Residual 3-2	0
28	Zarineh Rud Mid1	0	60	Residual4	0
29	Zarineh Rud Mid2	0	61	Residual south	0
30	Saghez	0	62	Residual west	0
31	Zarineh Rud	0	63	Lake Urmia Island	0
32	Khor Khoreh Chay	0	64	Lake Urmia Water Body	0

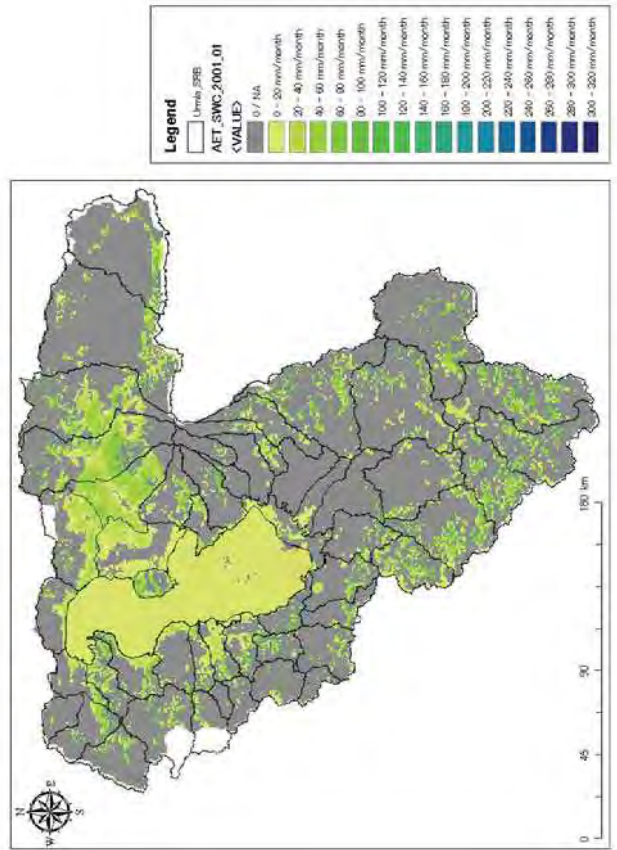
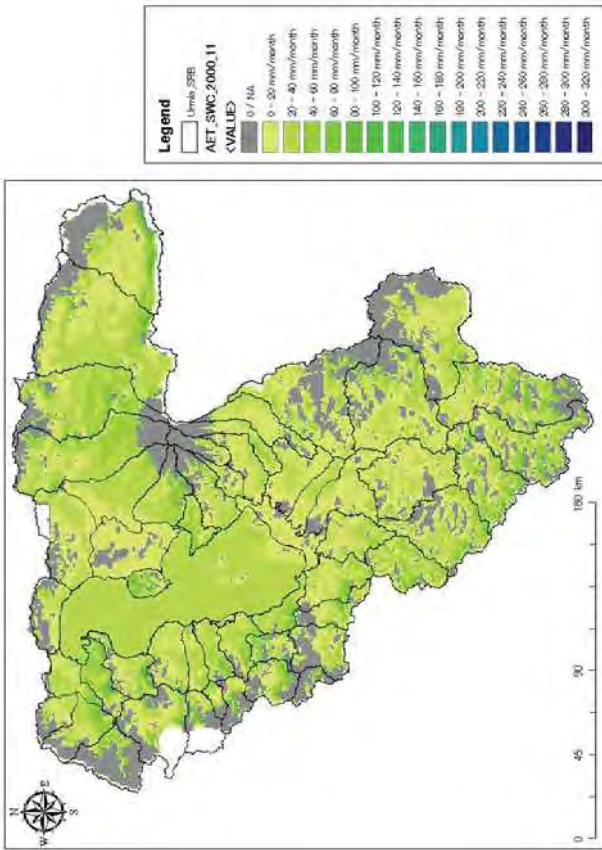
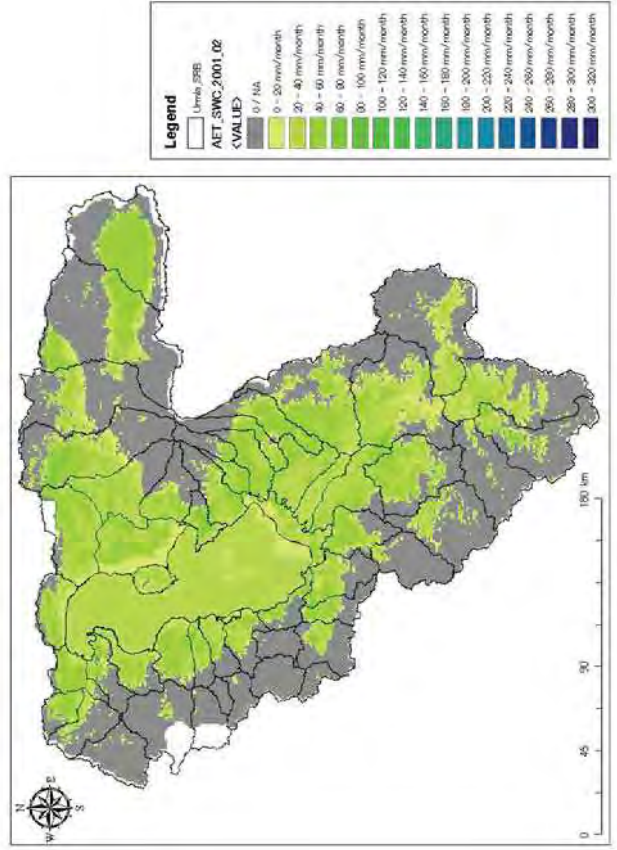
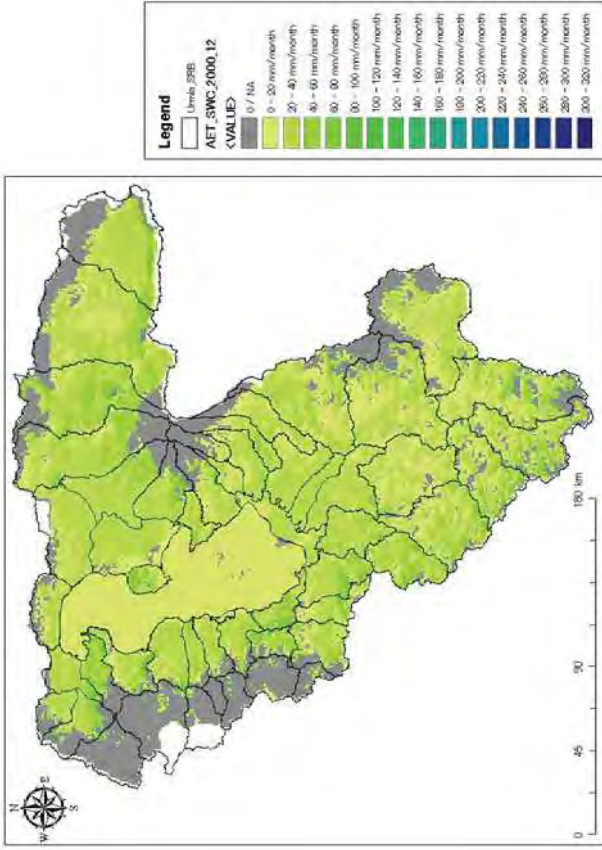
Appendix 5-2
Applied Threshold Snowmelt Coefficient

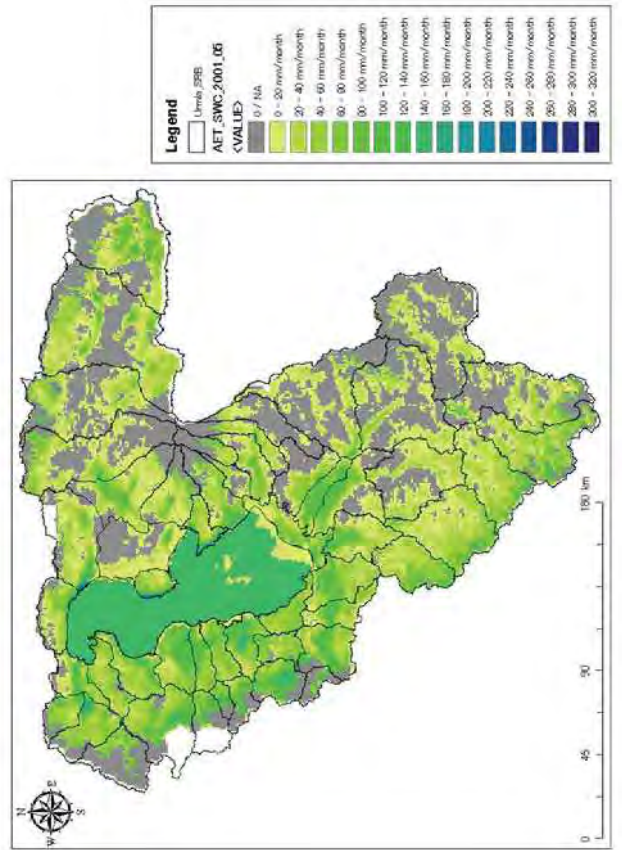
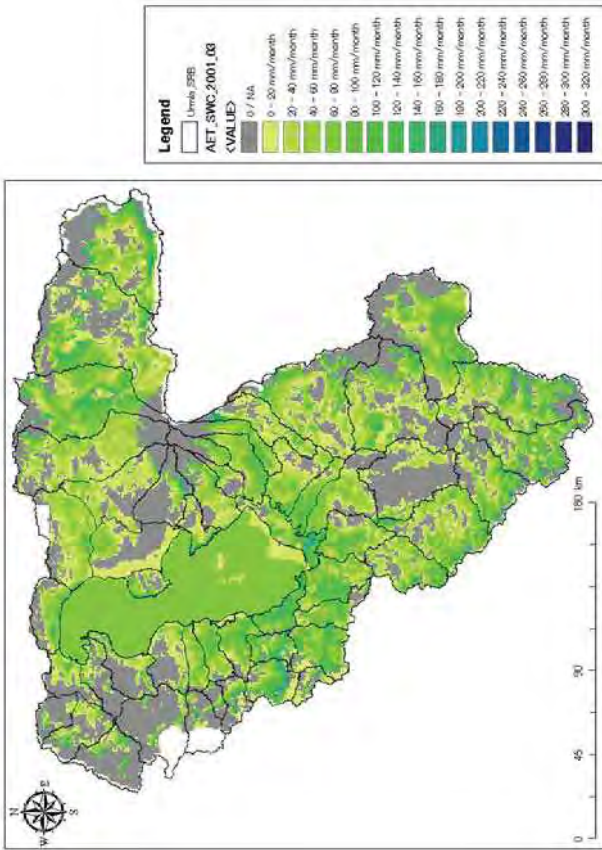
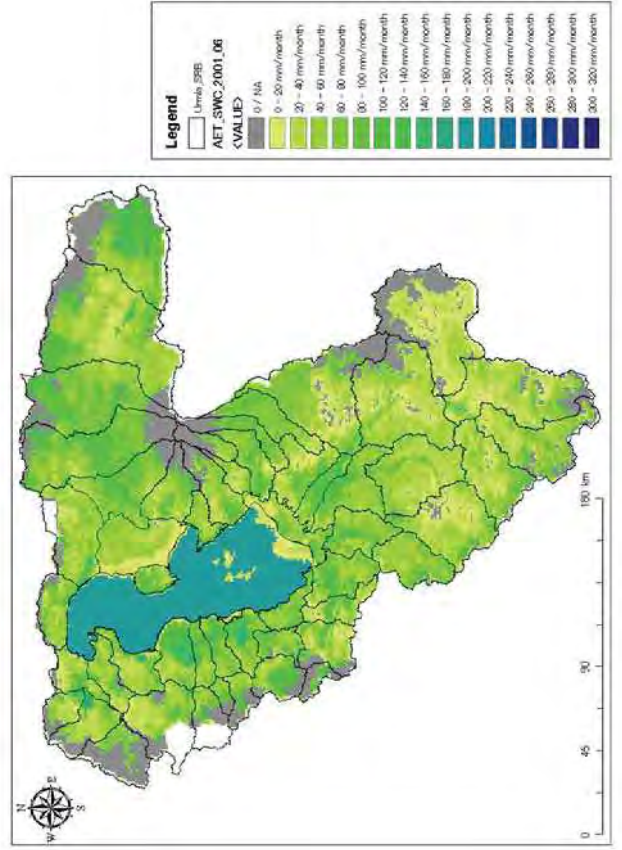
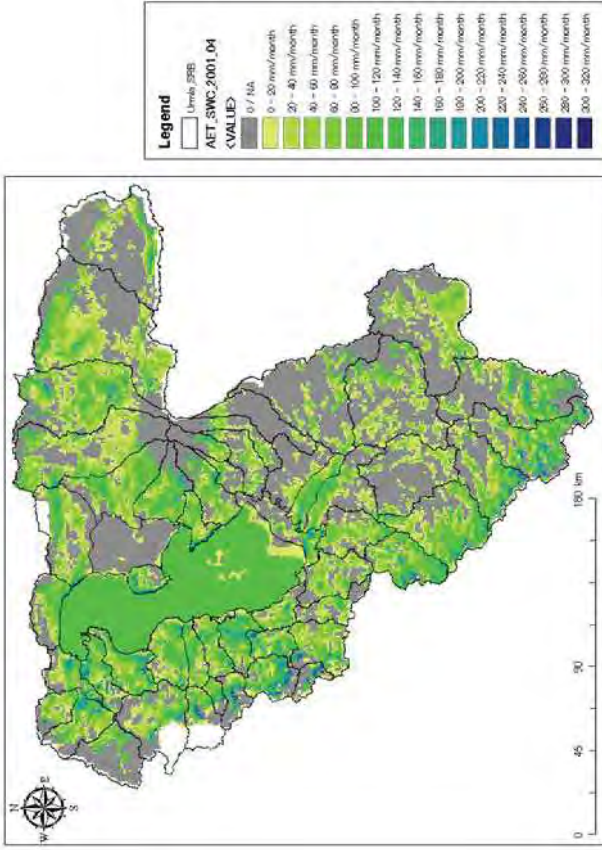
No.	Sub River Basin	Value (°C)	No.	Sub River Basin	Value (°C)
1	Zola Chay Low	1	33	Sarough Chay	1
2	Zola Chay Mid2	1	34	Lilang Chay Low	1
3	Zola Chay Mid1	-2	35	Lilang Chay UR	1
4	Zola Chay Up	-2	36	Lilang Chay UL	1
5	Residual 1-2	1	37	Gale Chay L Low2	1
6	Residual 1-1	1	38	Gale Chay R Up	1
7	Nazlo Chay Low	1	39	Sufi Chay L Low1	1
8	Nazlo Chay UL	3	40	Sufi Chay L Up	1
9	Nazlo Chay UR	3	41	Aghmiun Chay	1
10	Rose Chay Low	1	42	Vanagh Chay	1
11	Rose Chay Up	1	43	Tajyar Chay / Razligh Chay	1
12	Sahar Chay Low	1	44	Aji Chay Up1	1
13	Sahar Chay Up	3	45	Chekeh Chay	1
14	Baradoz Low	1	46	Aji Chay Mid1	1
15	Baradoz UR	3	47	Ojan Chay	1
16	Baradoz UL	3	48	Par chay	1
17	Residual 2	1	49	Nahand Chay	1
18	Gedar Chay Low	1	50	Aji Chay Mid2	4
19	Gedar Chay Mid2	1	51	Gomanab Chay	1
20	Gedar Chay Mid1	2	52	Lighavan Chay	4
21	Gedar Chay Up	3	53	Aji Chay Mid3	4
22	Mahabad Chay Low	1	54	Varkash Chay	3
23	Mahabad Chay Up	1	55	Aji Chay Low1	4
24	Simine Rud Low	1	56	Aji Chay Low2	3
25	Simine Rud Mid	1	57	Aji Chay Residual	1
26	Simine Rud Up	1	58	Residual 3-1	1
27	Zarineh Rud Low	1	59	Residual 3-2	1
28	Zarineh Rud Mid1	1	60	Residual4	1
29	Zarineh Rud Mid2	1	61	Residual south	1
30	Saghez	1	62	Residual west	1
31	Zarineh Rud	1	63	Lake Urmia Island	1
32	Khor Khoreh Chay	1	64	Lake Urmia Water Body	1

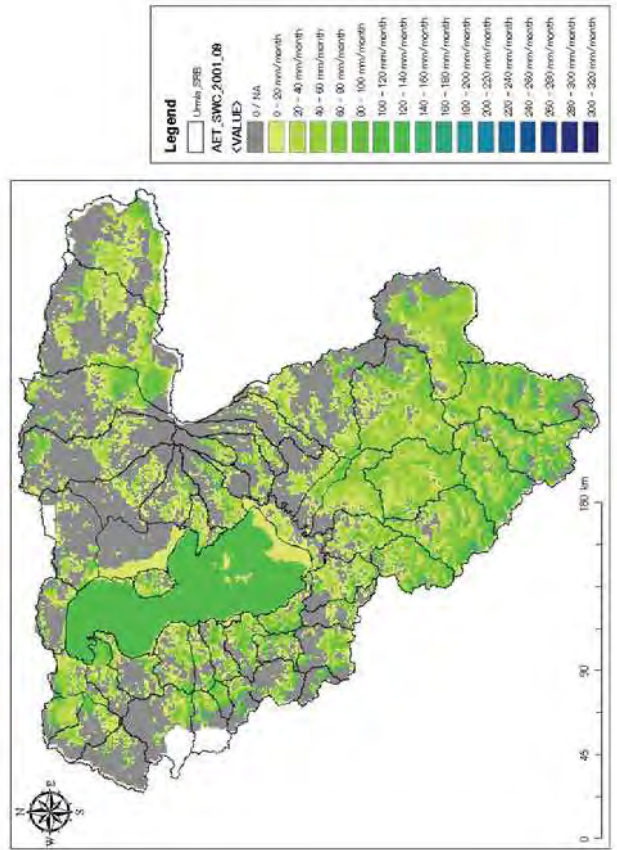
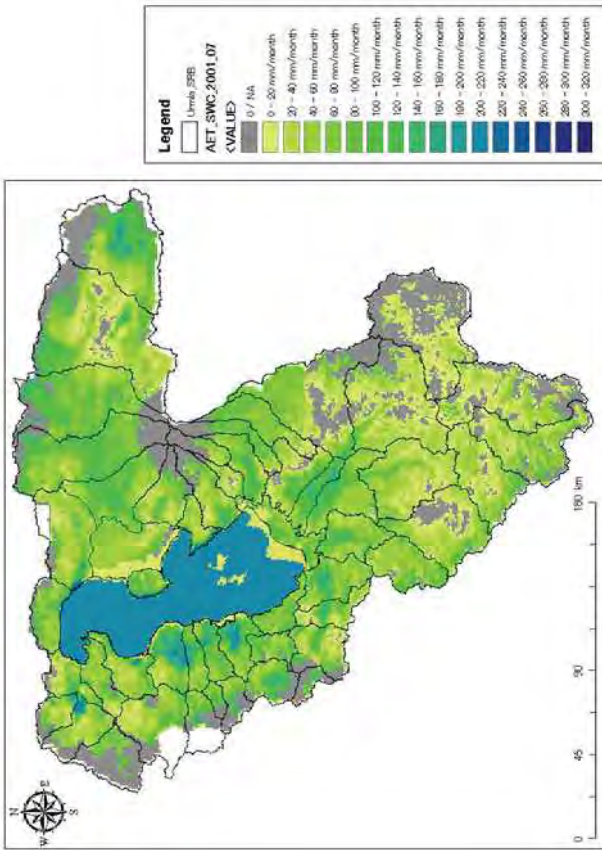
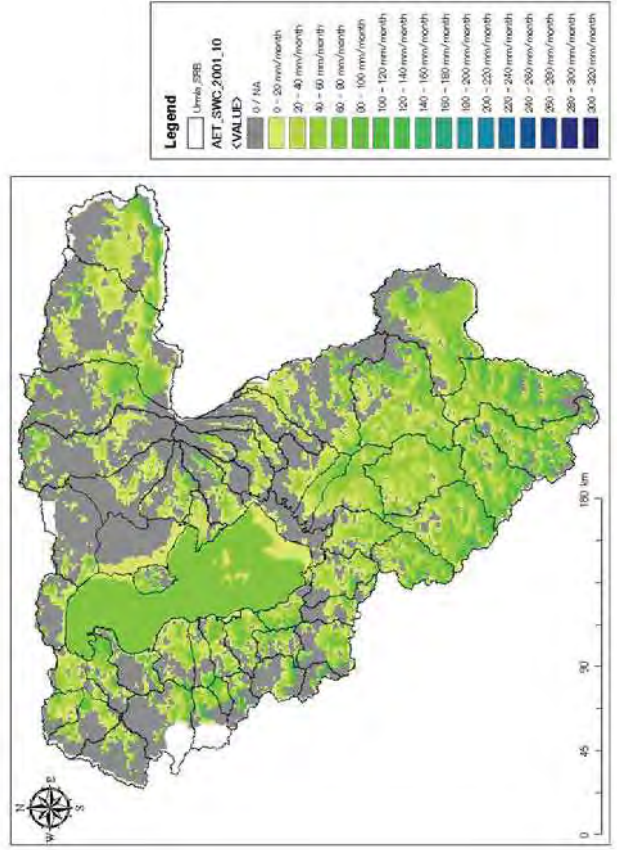
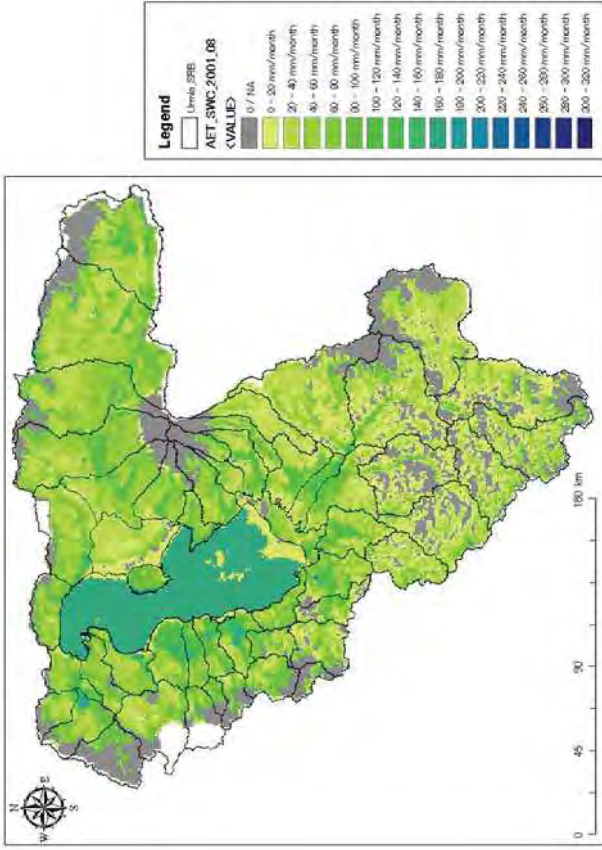
Appendix 5-3
Monthly ET Map Provided by RSRC (2nd version)Head

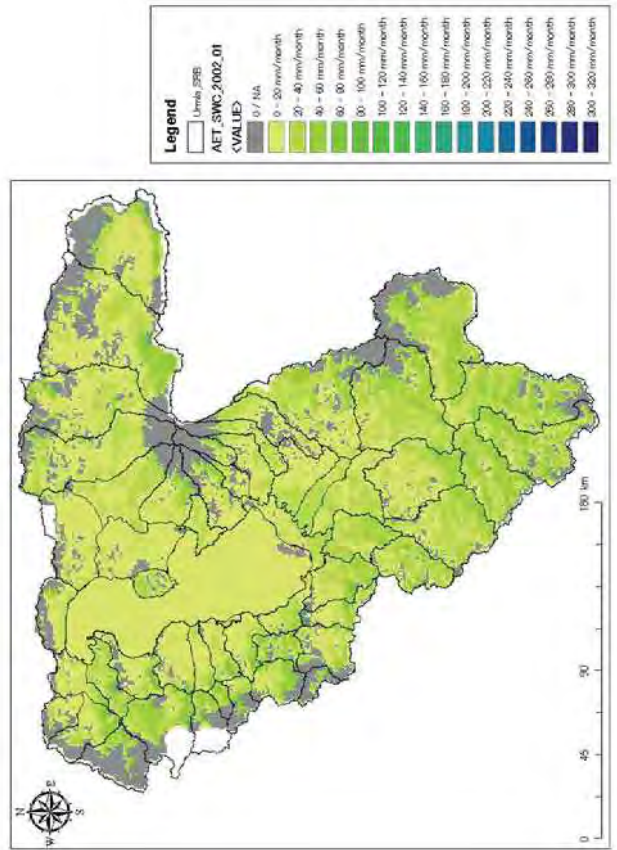
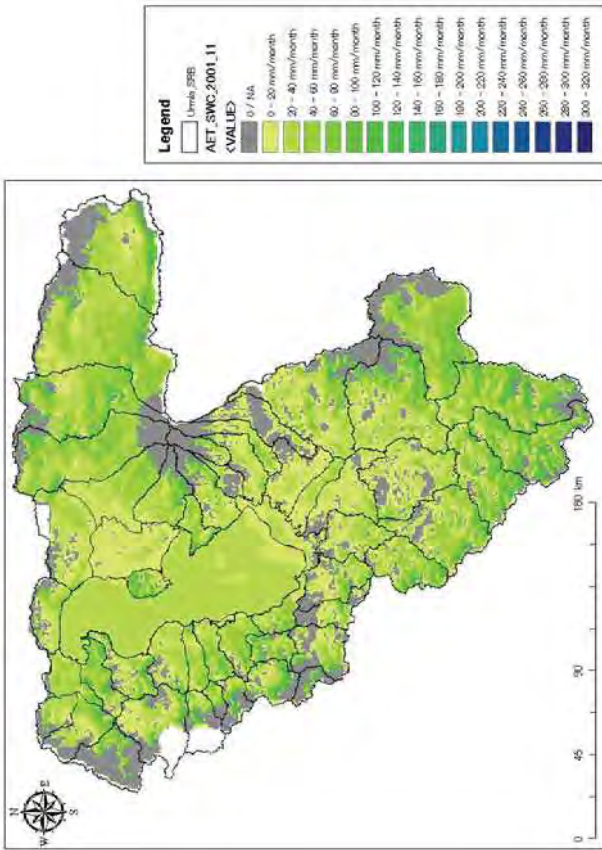
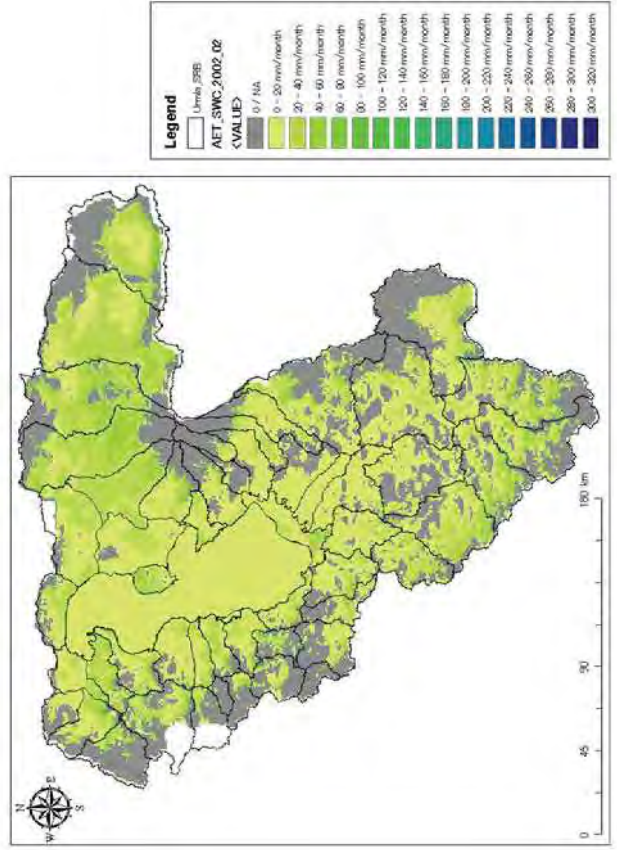
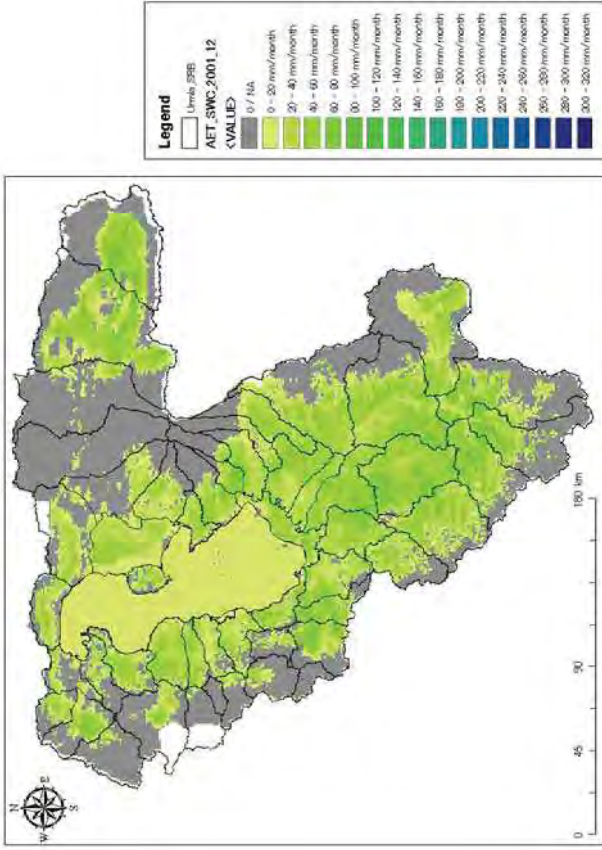


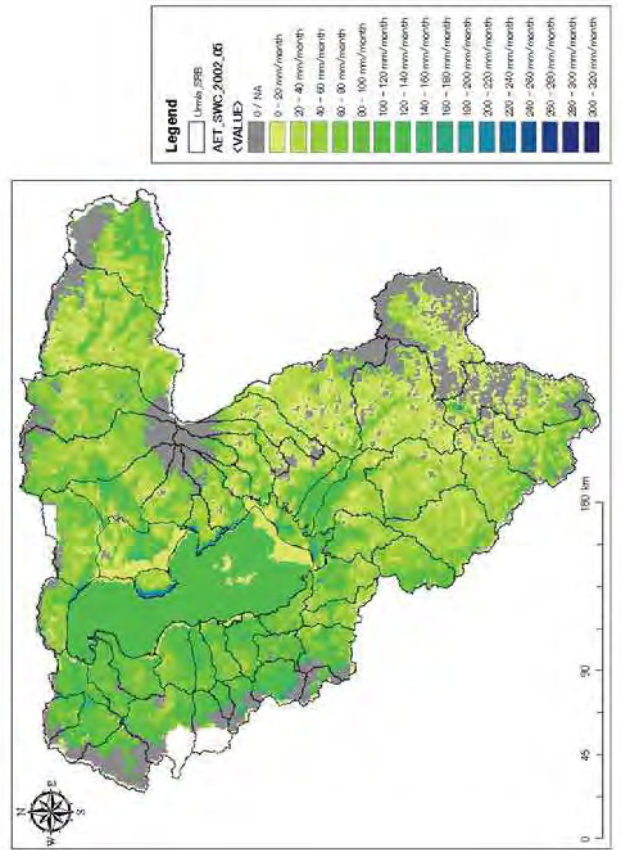
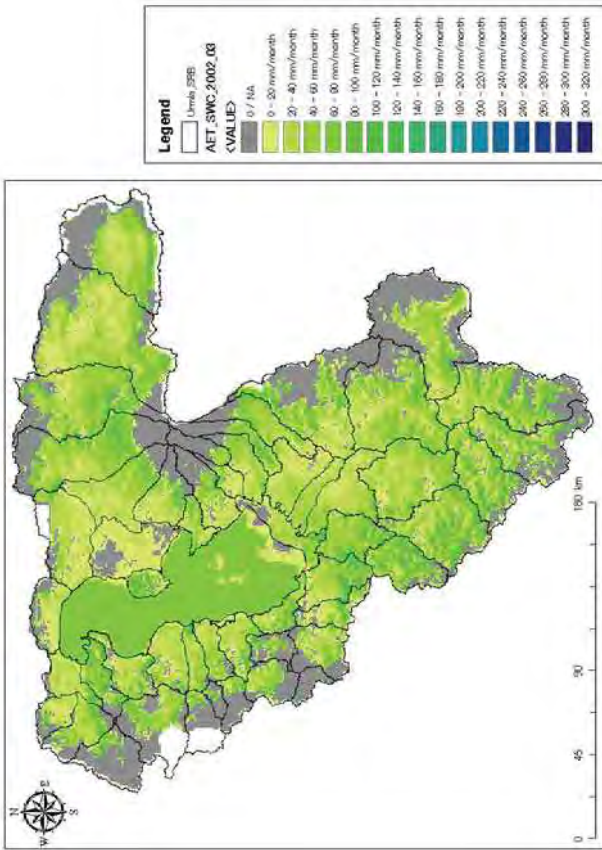
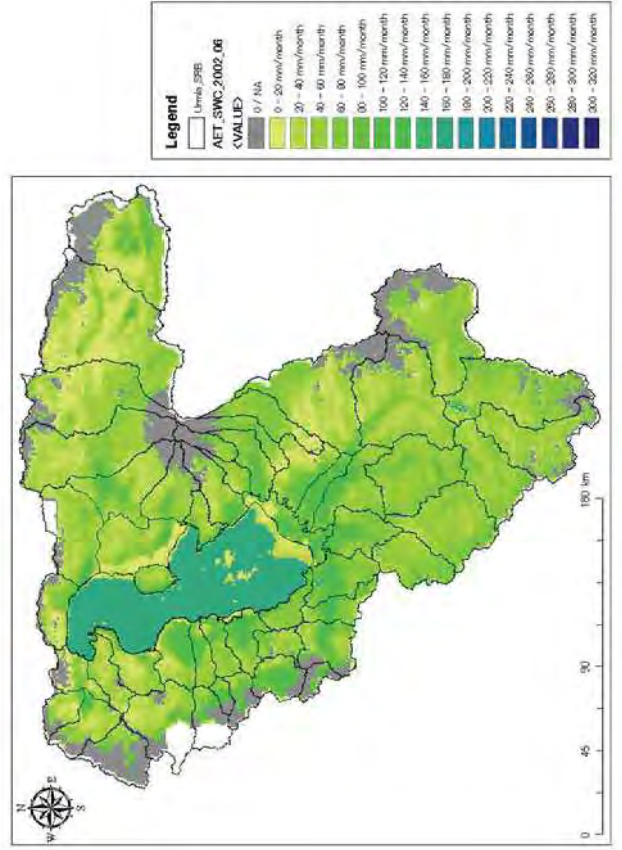
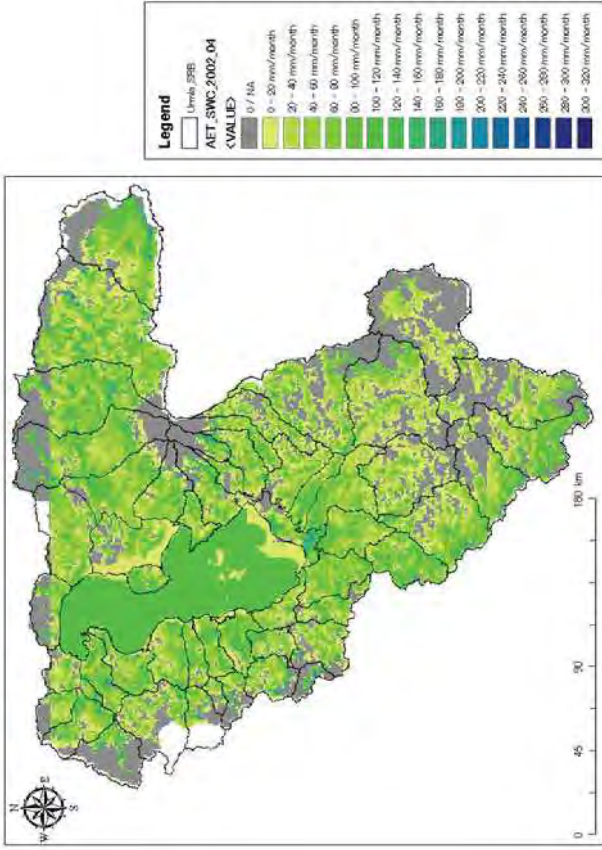


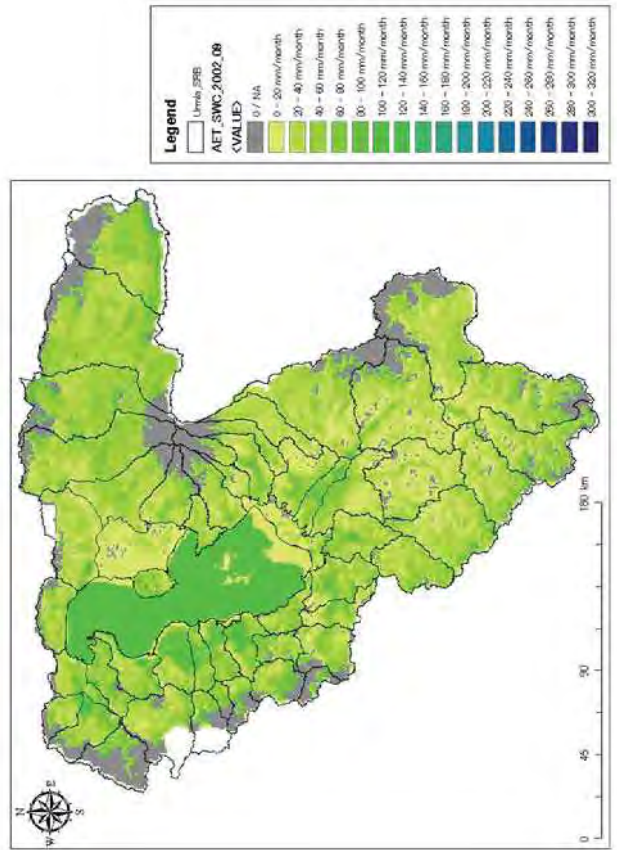
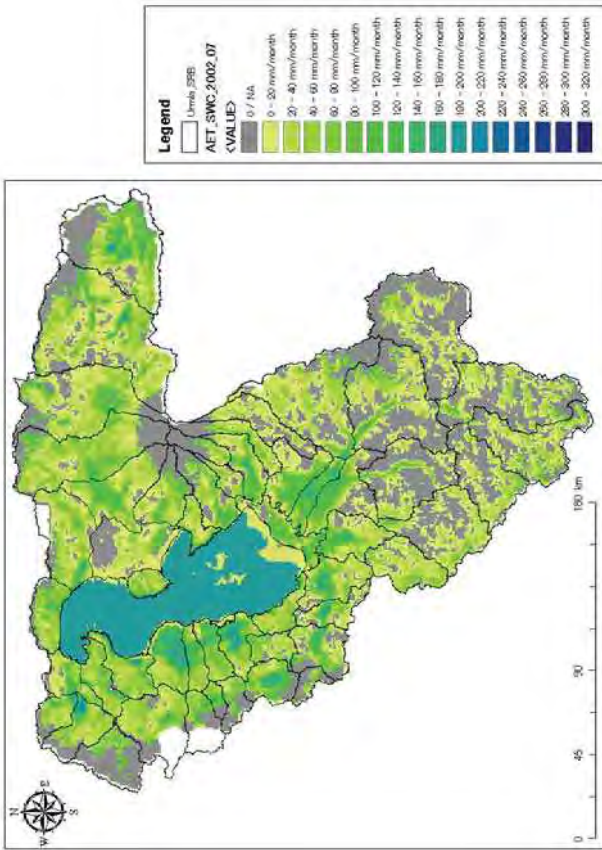
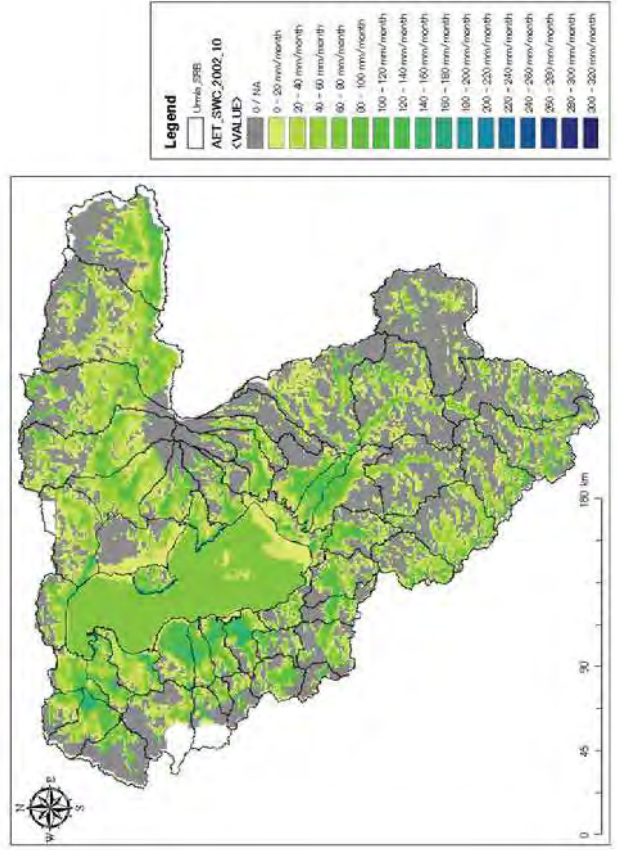
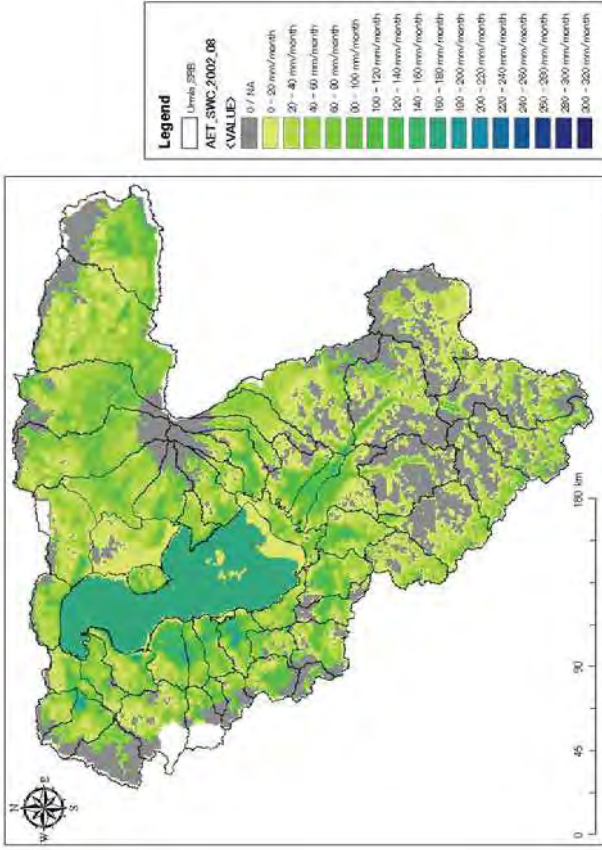


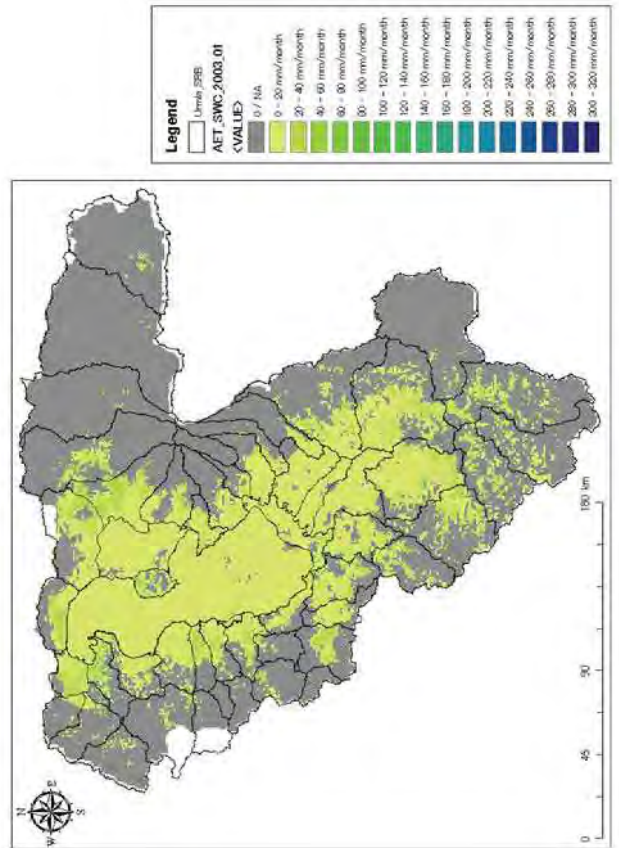
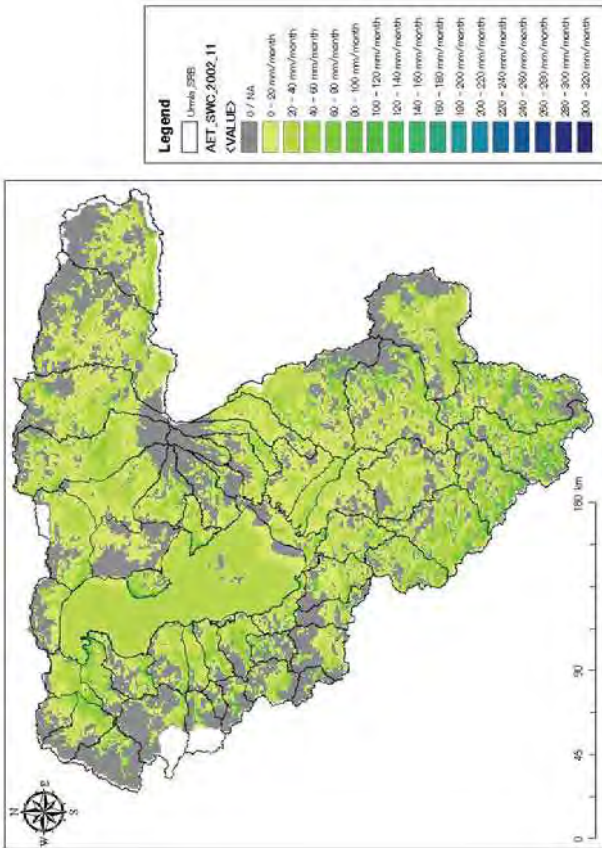
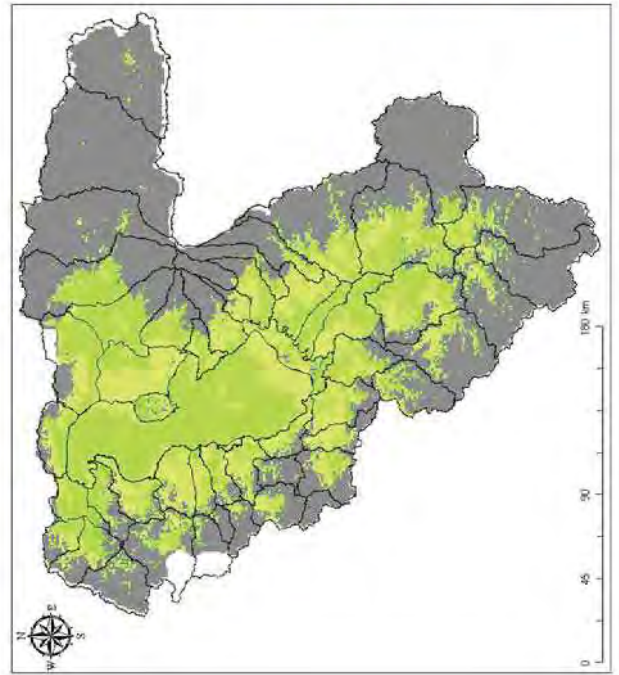
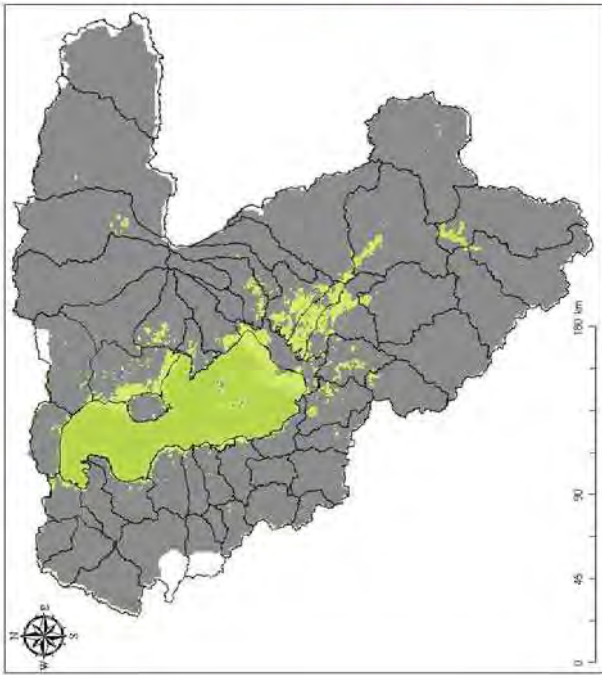


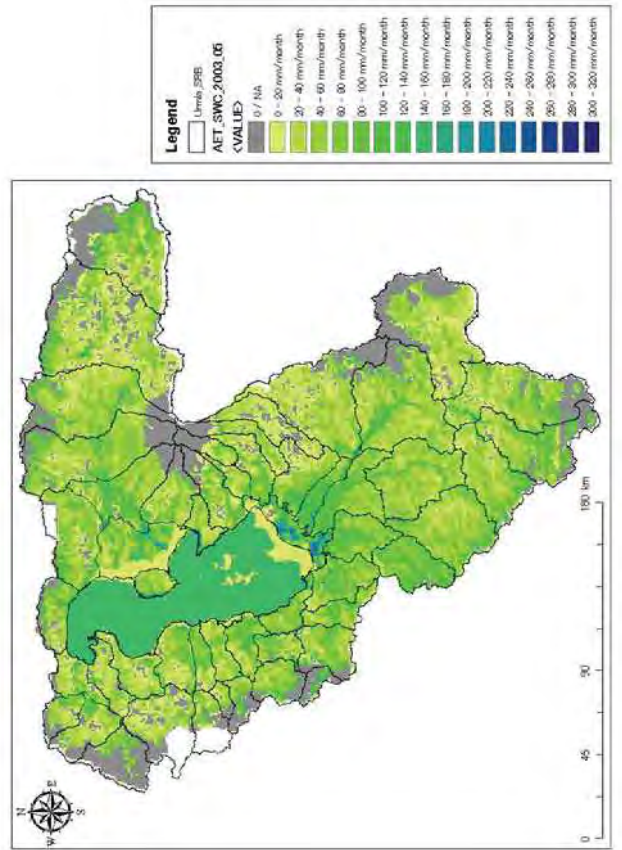
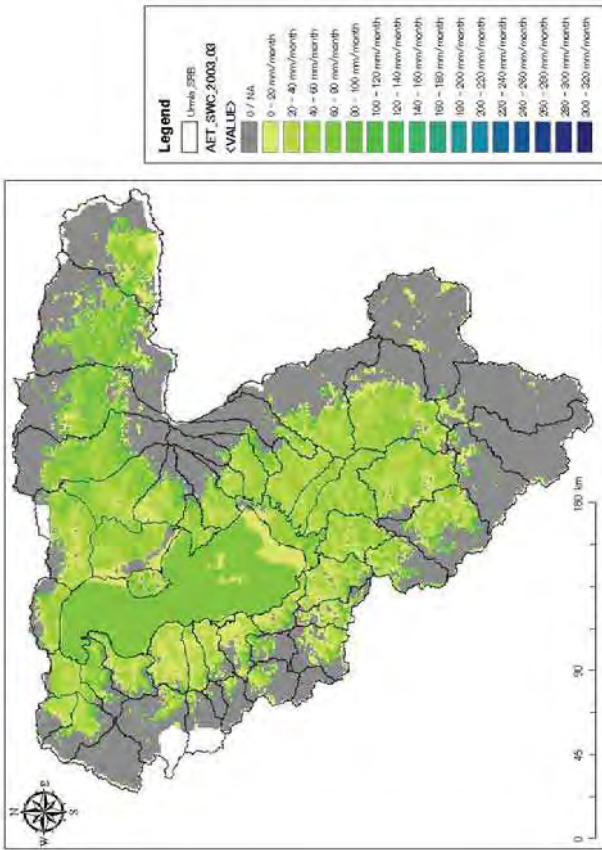
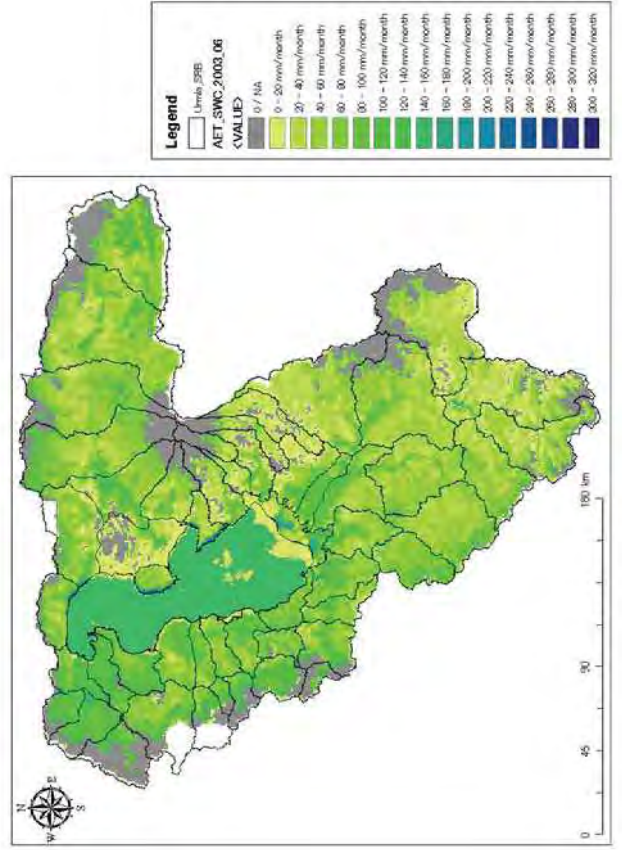
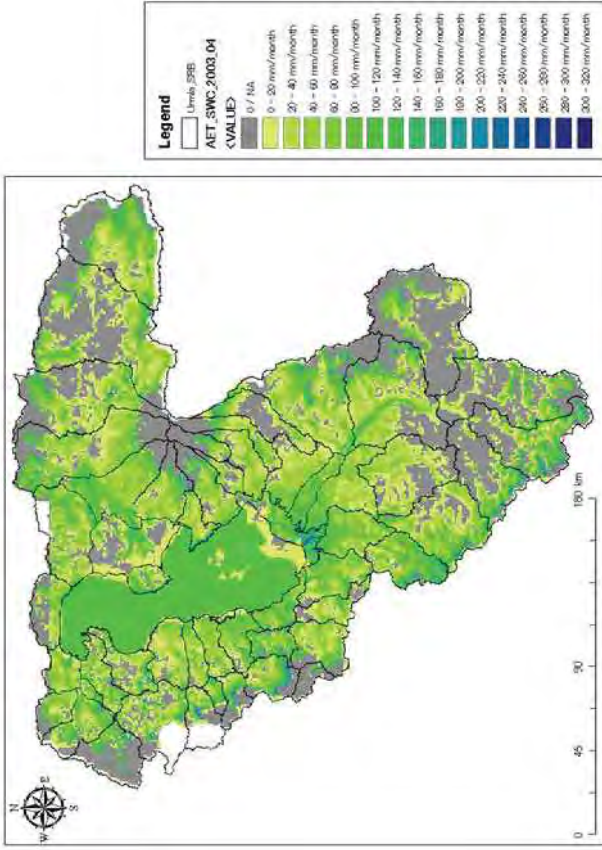


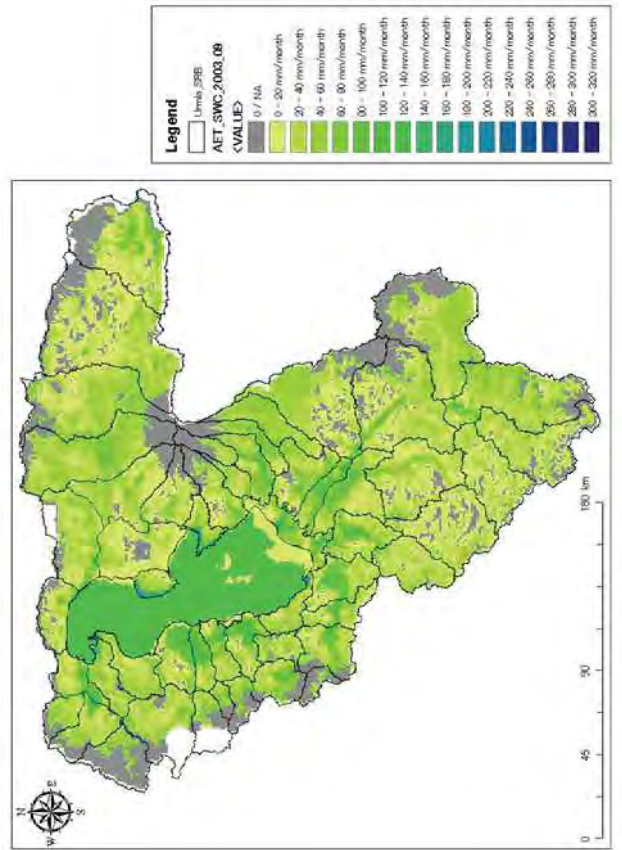
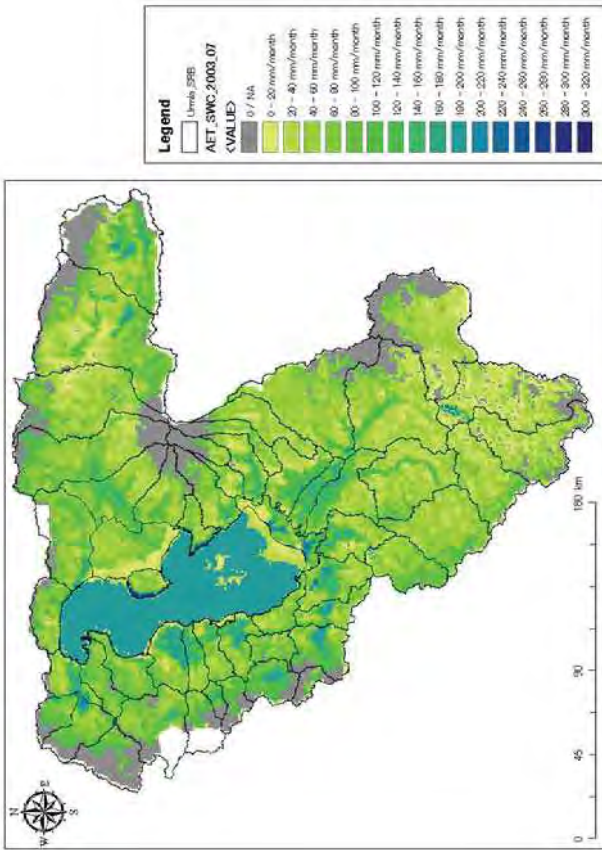
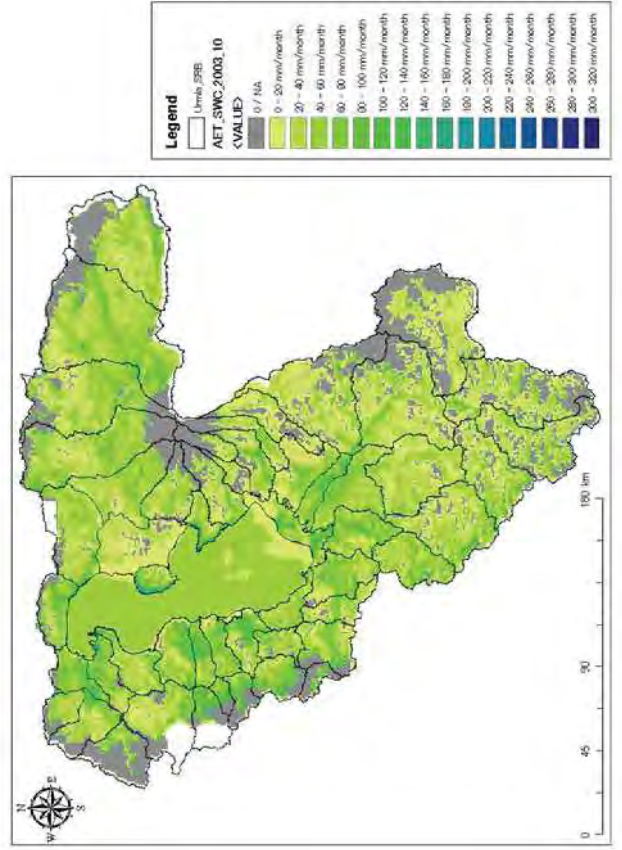
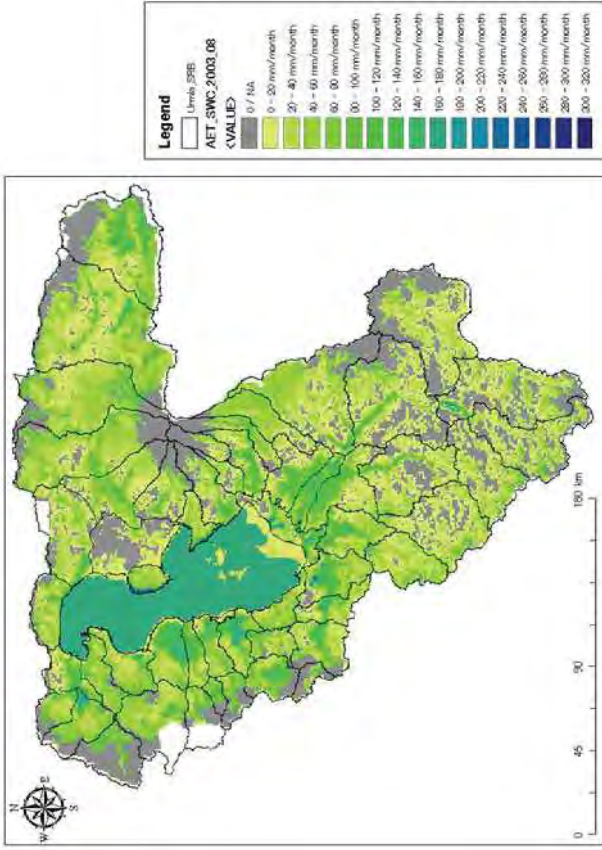


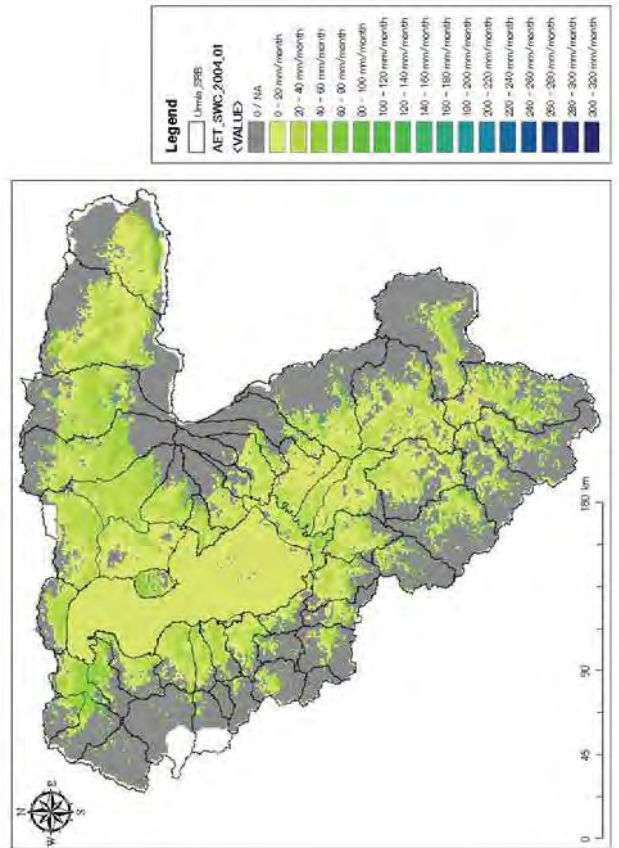
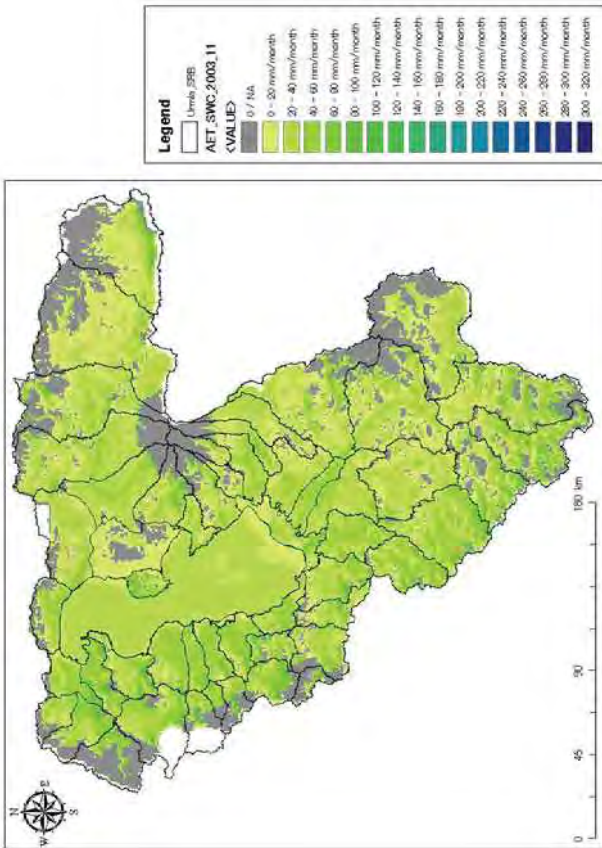
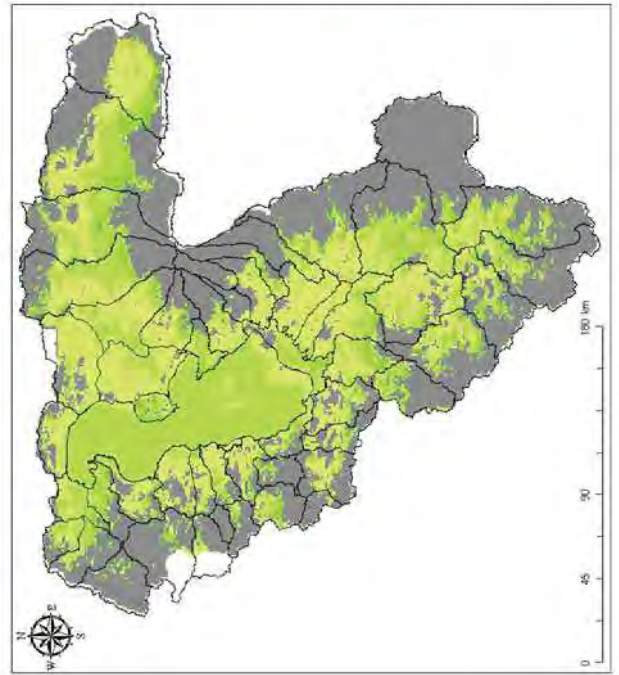
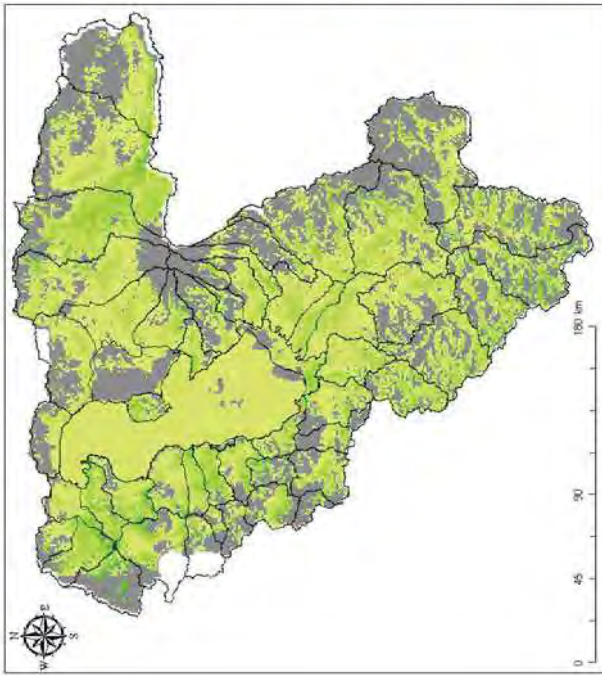


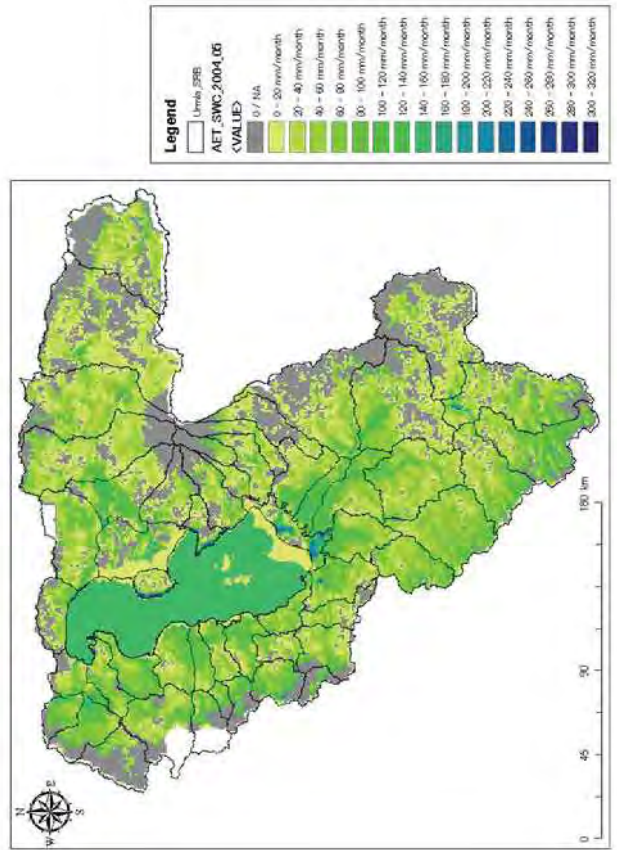
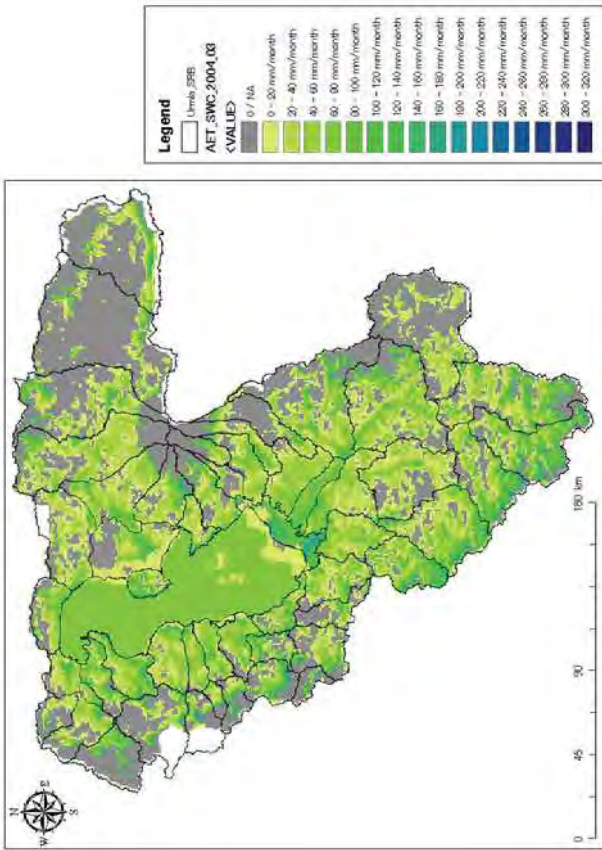
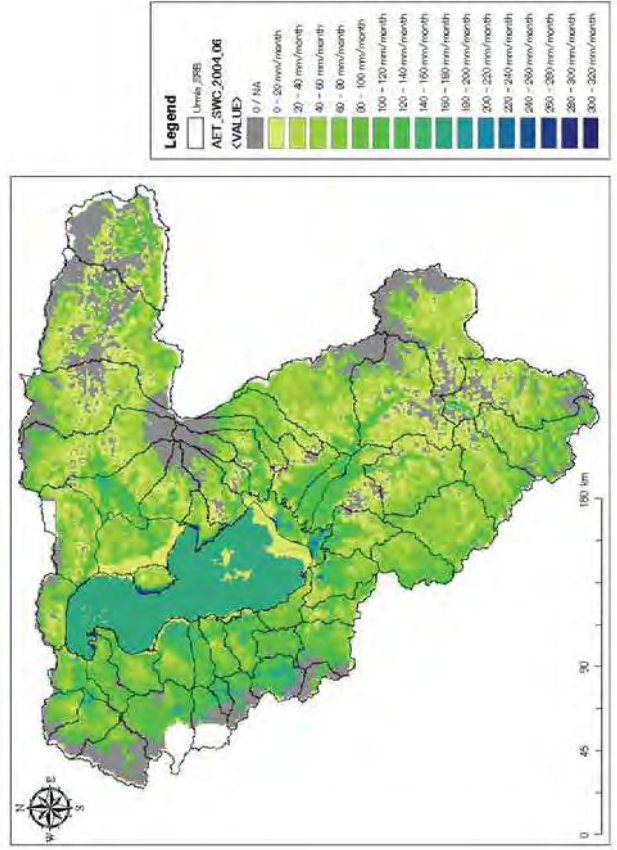
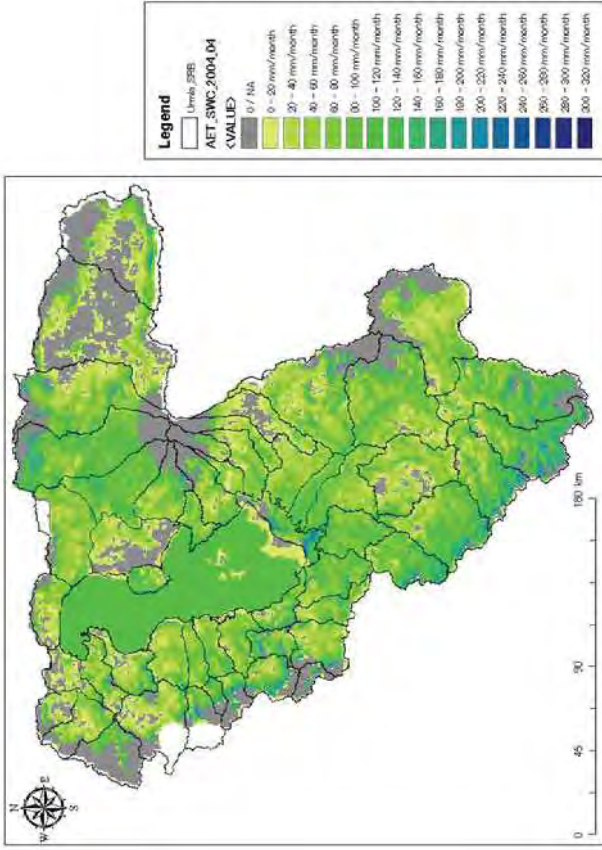


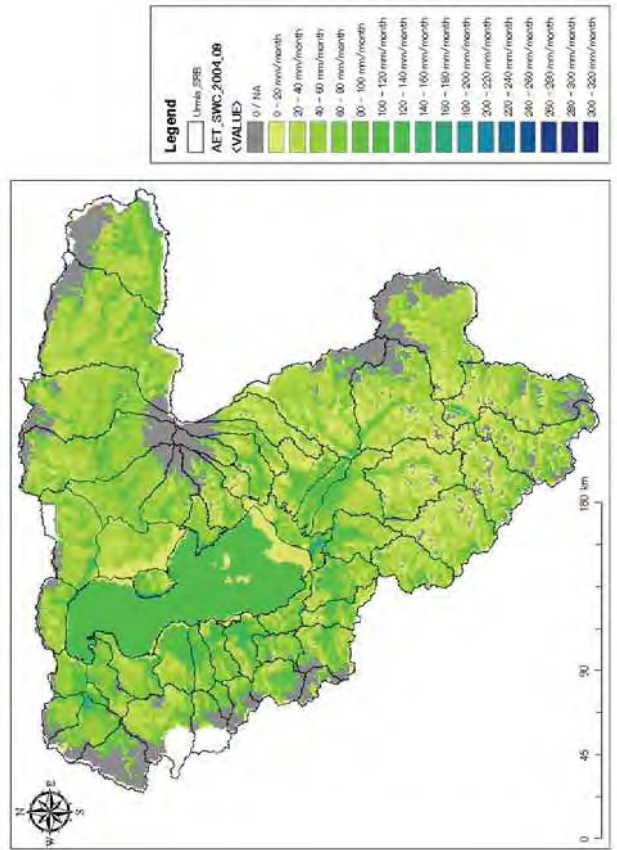
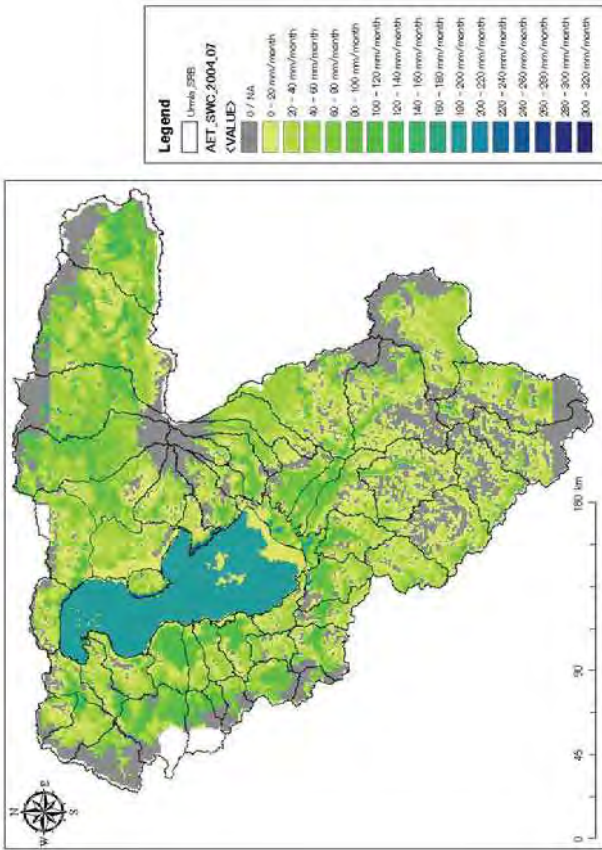
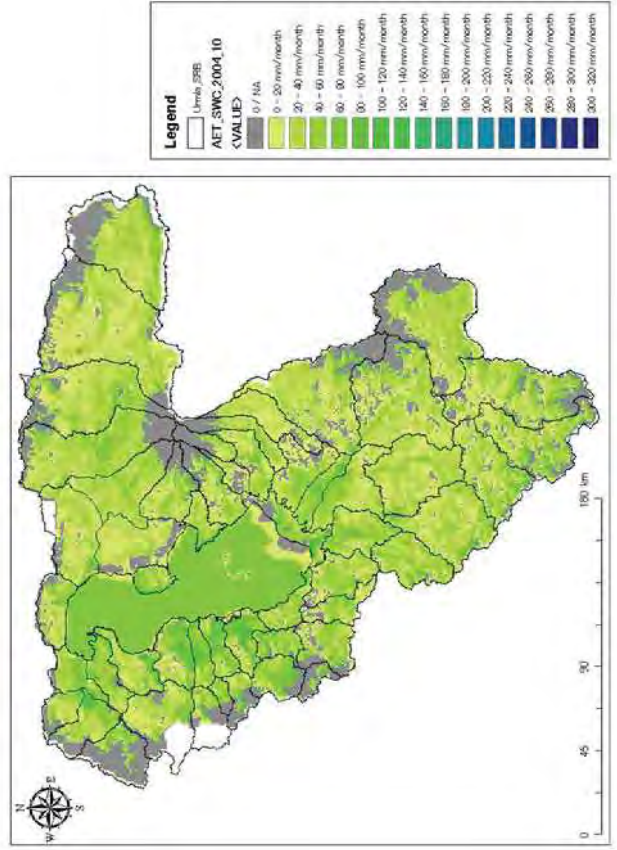
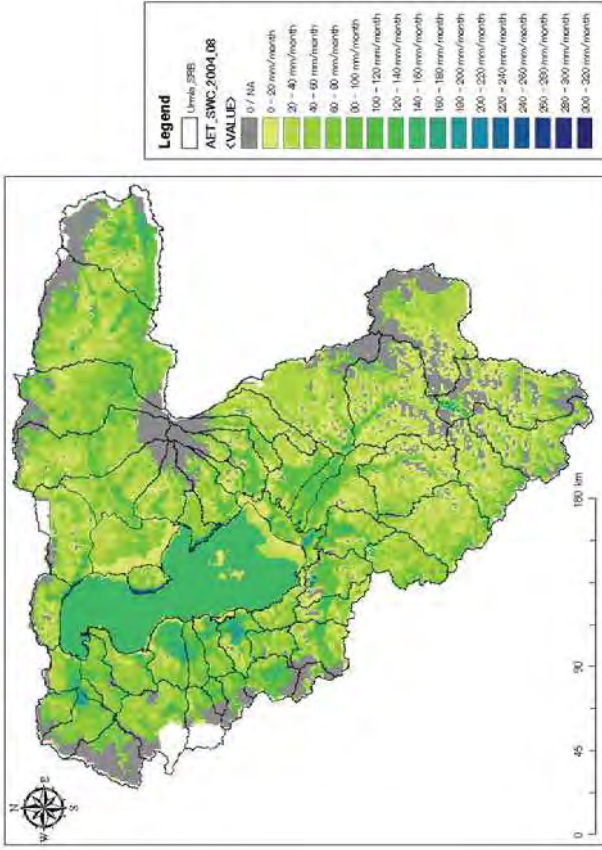


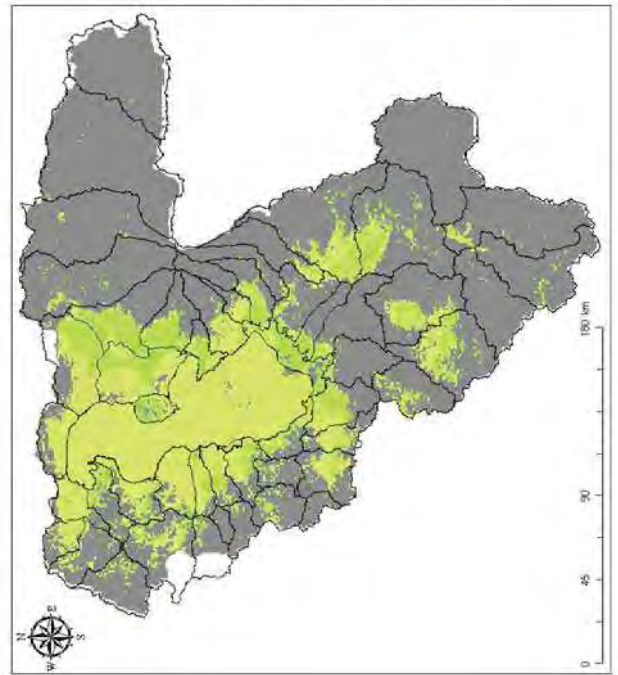
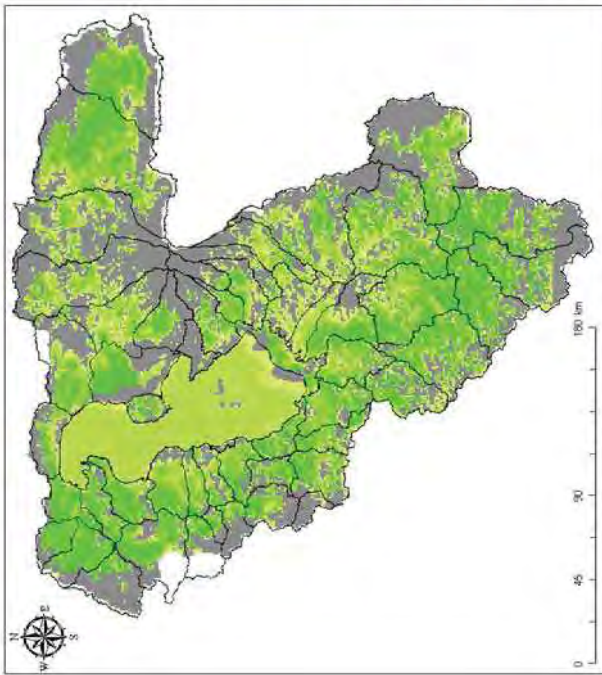
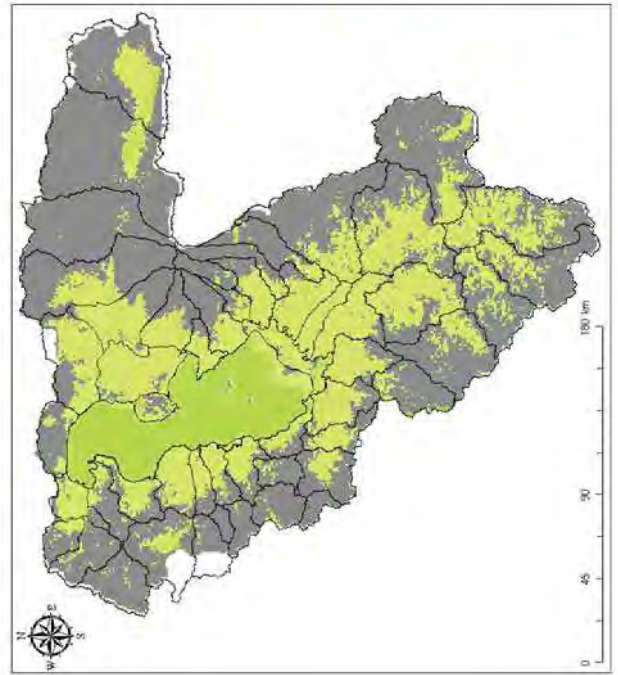
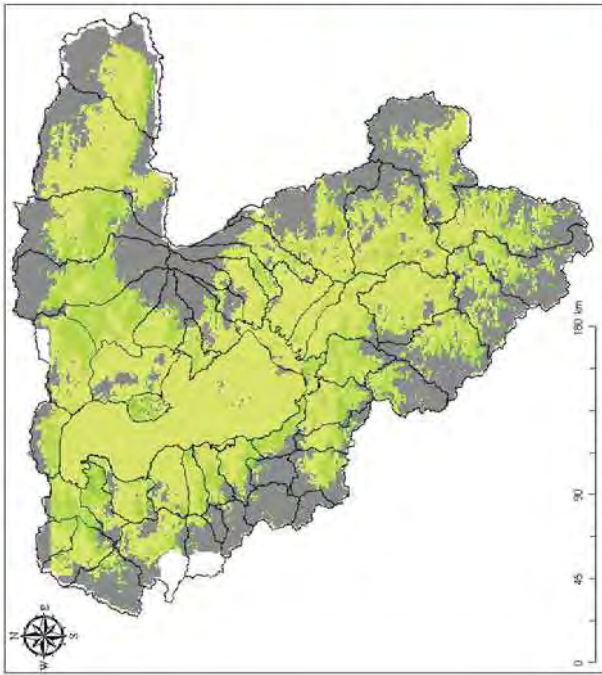


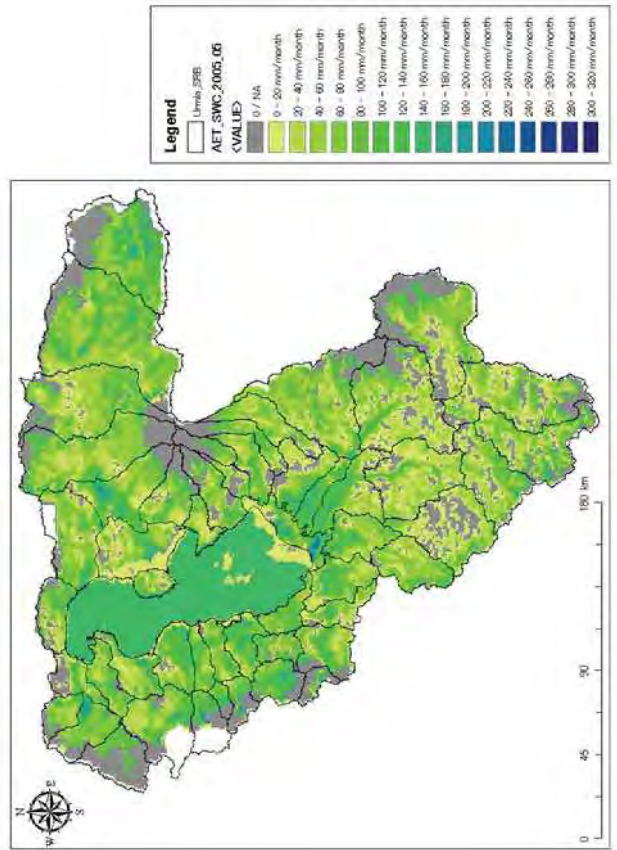
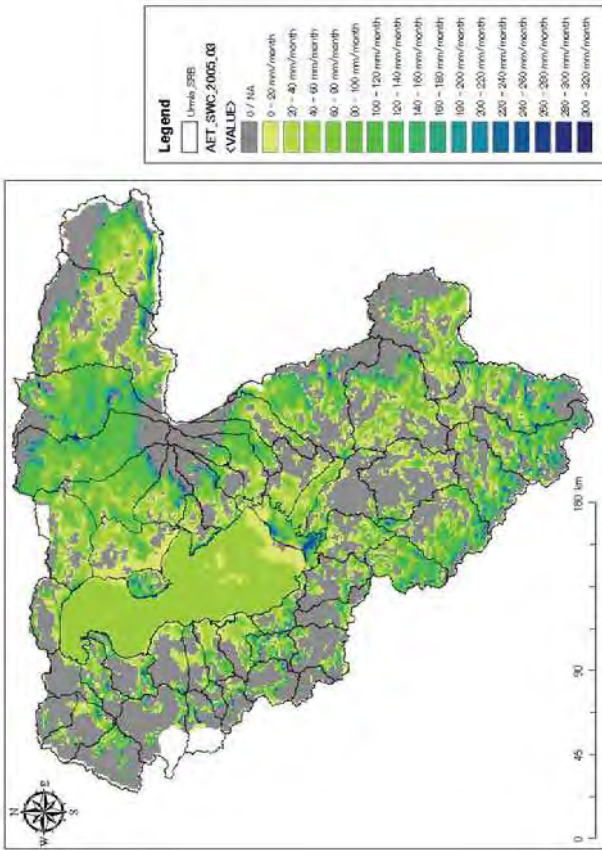
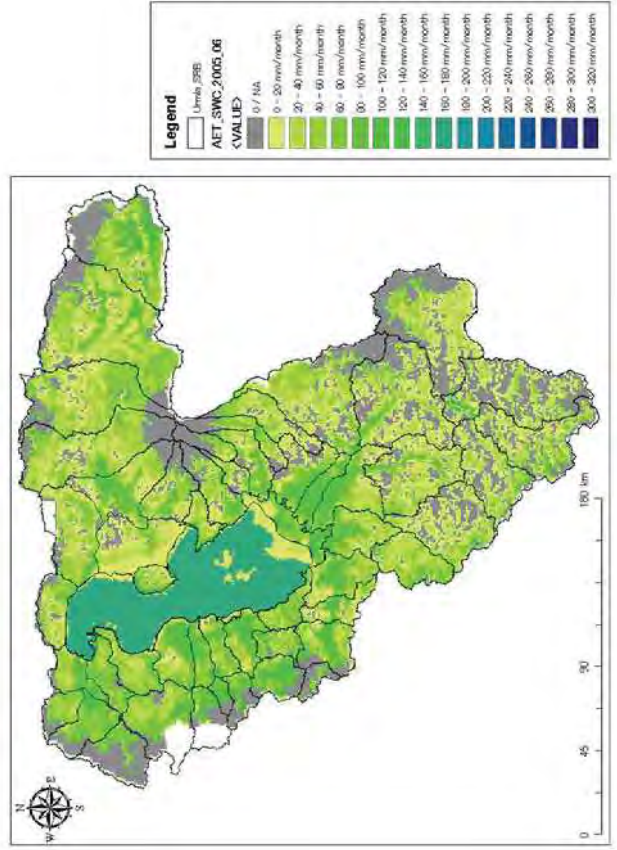
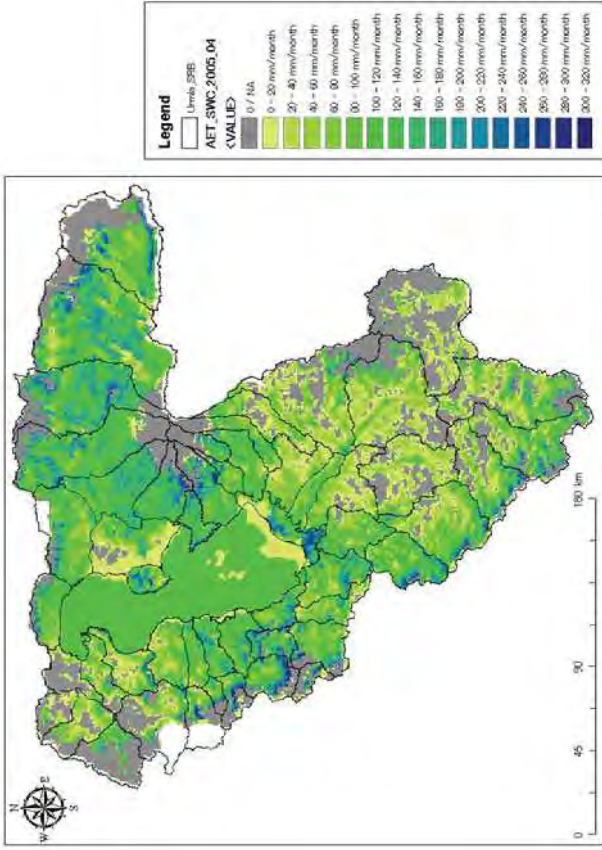


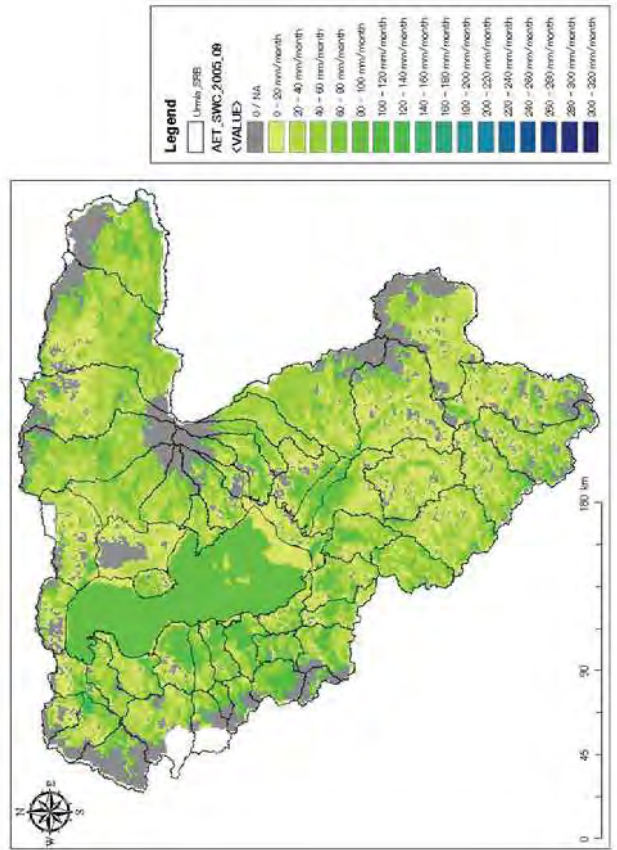
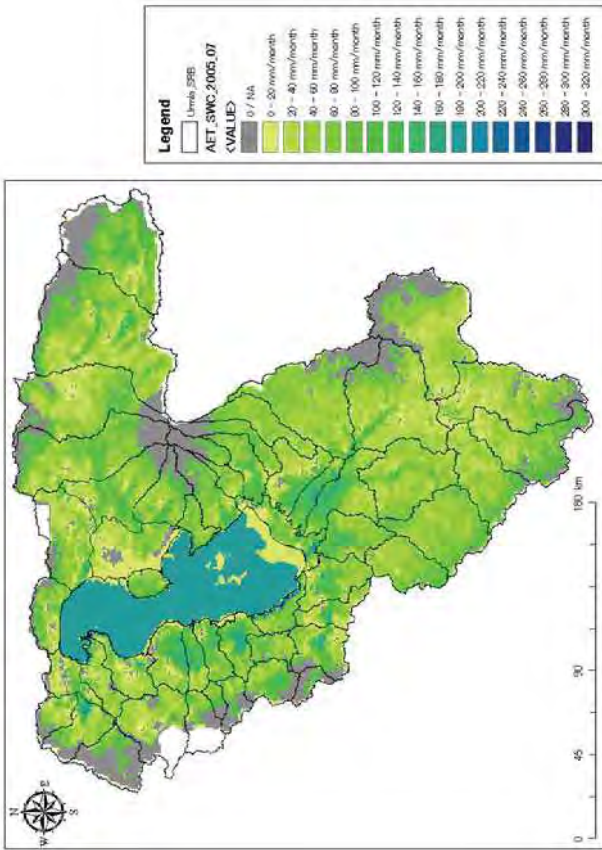
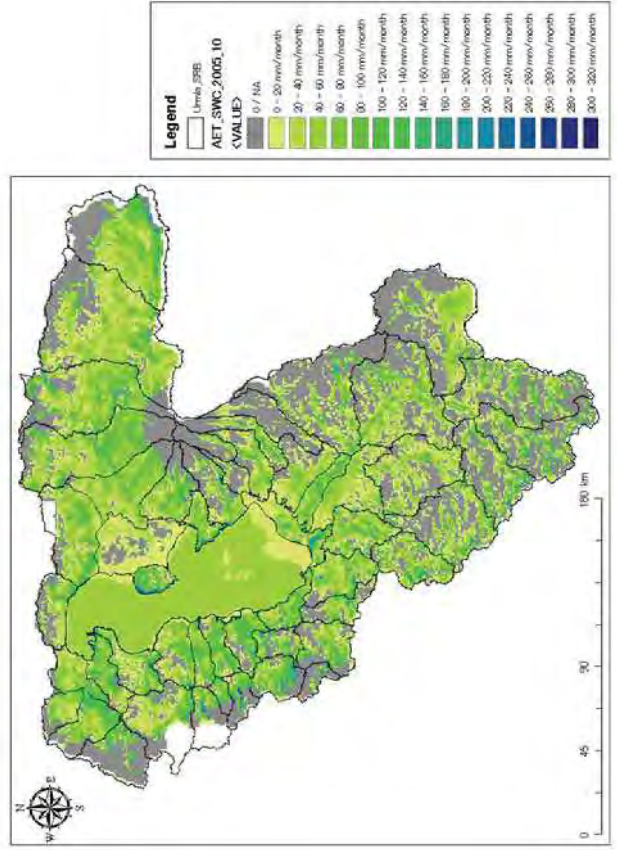
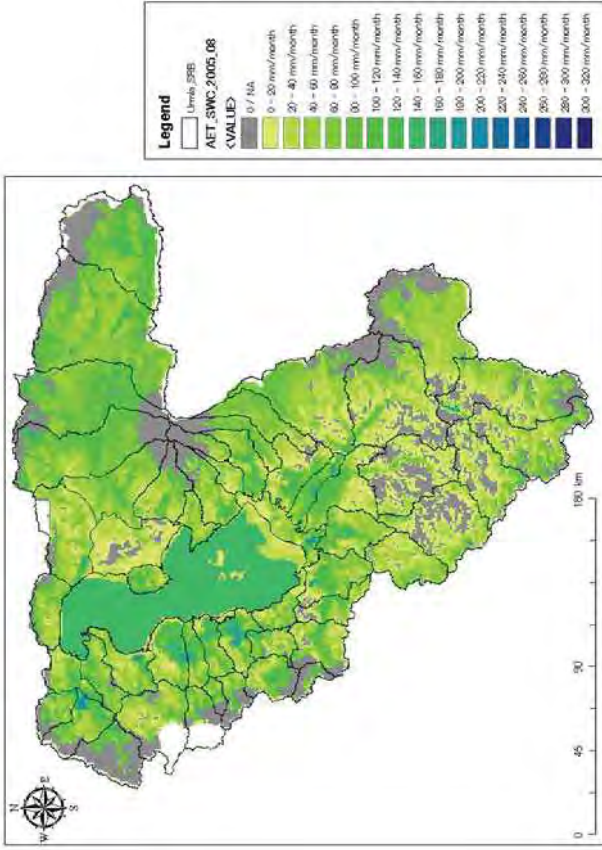


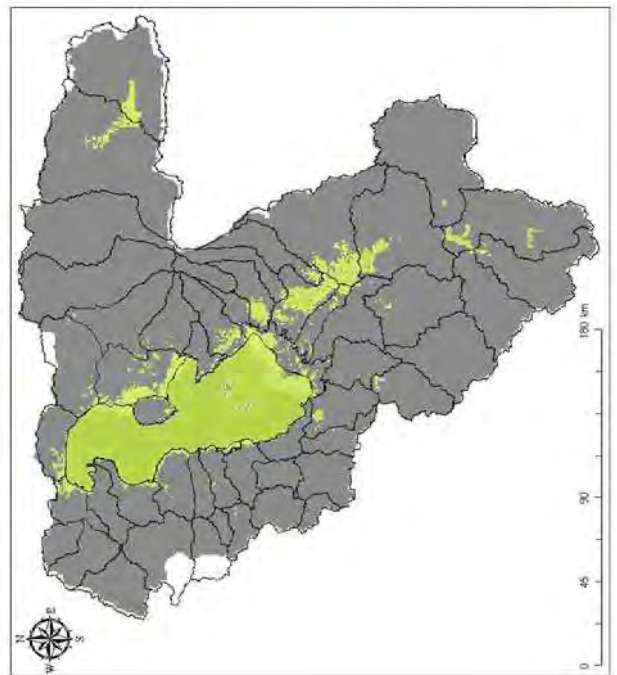
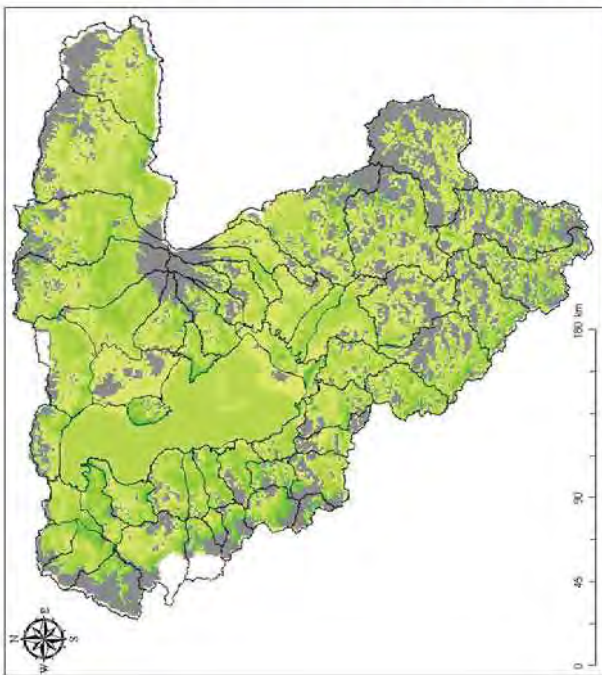
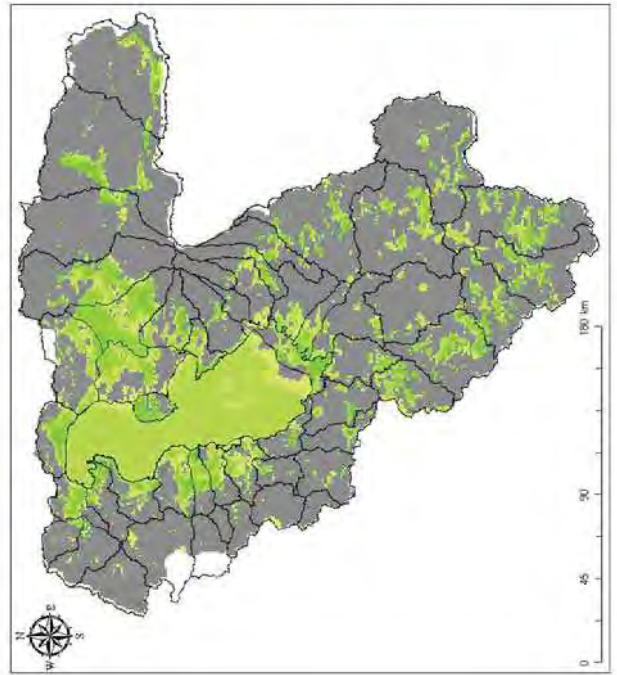
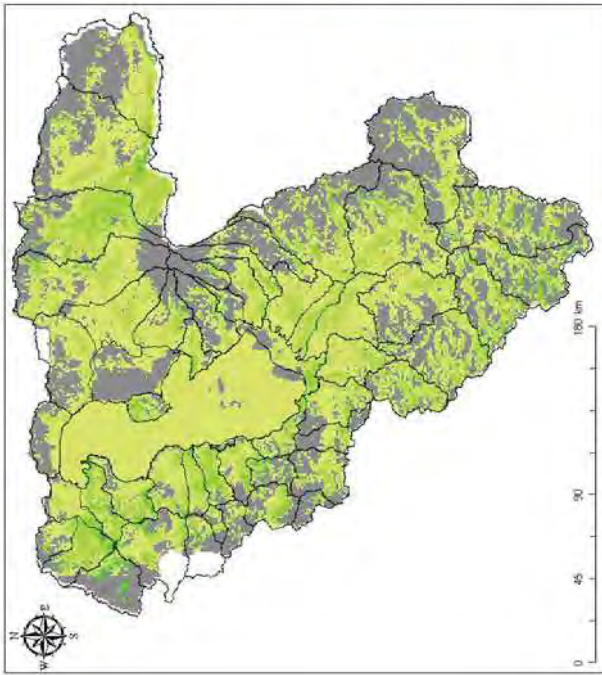


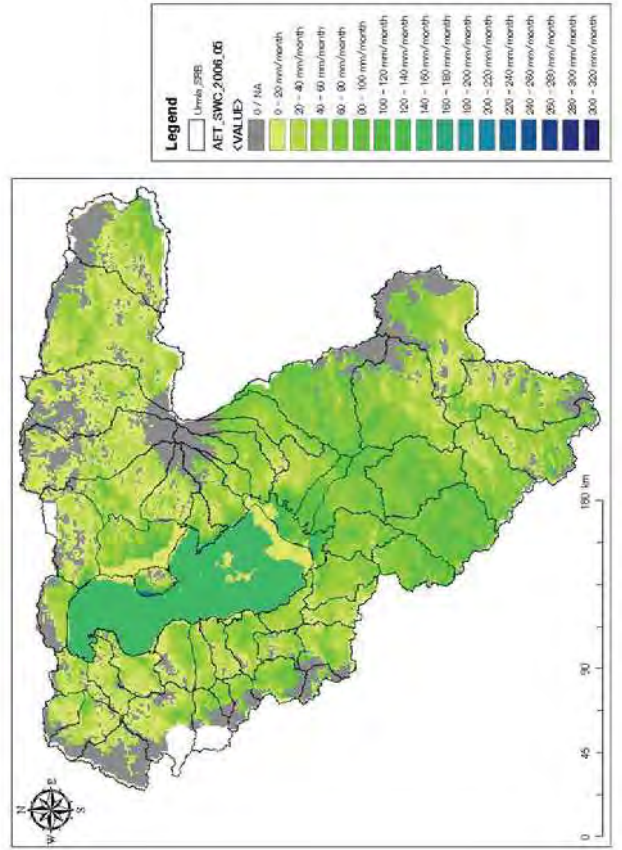
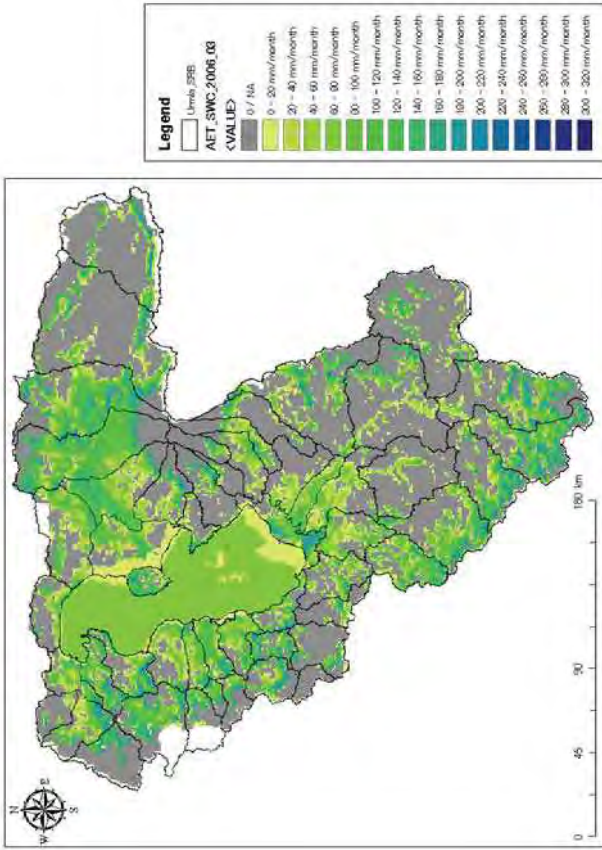
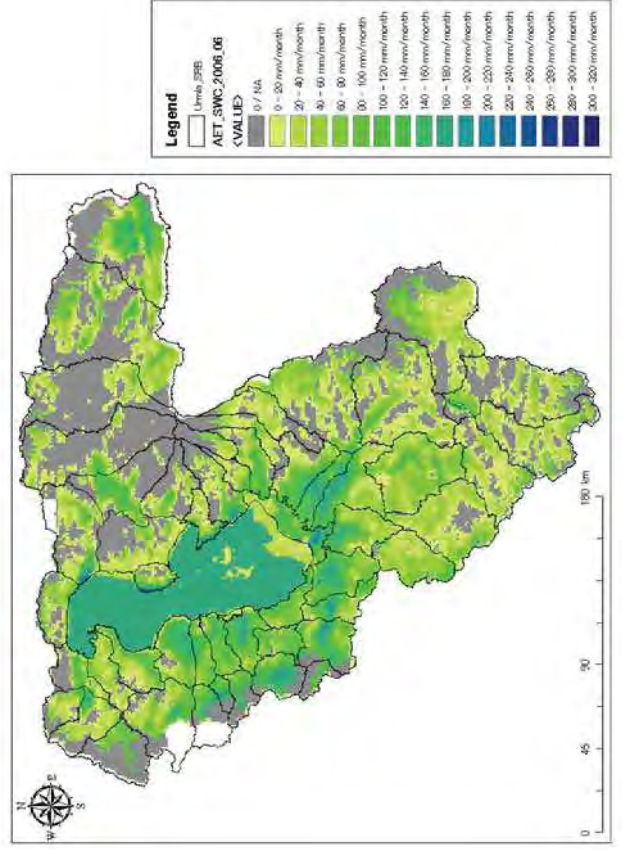
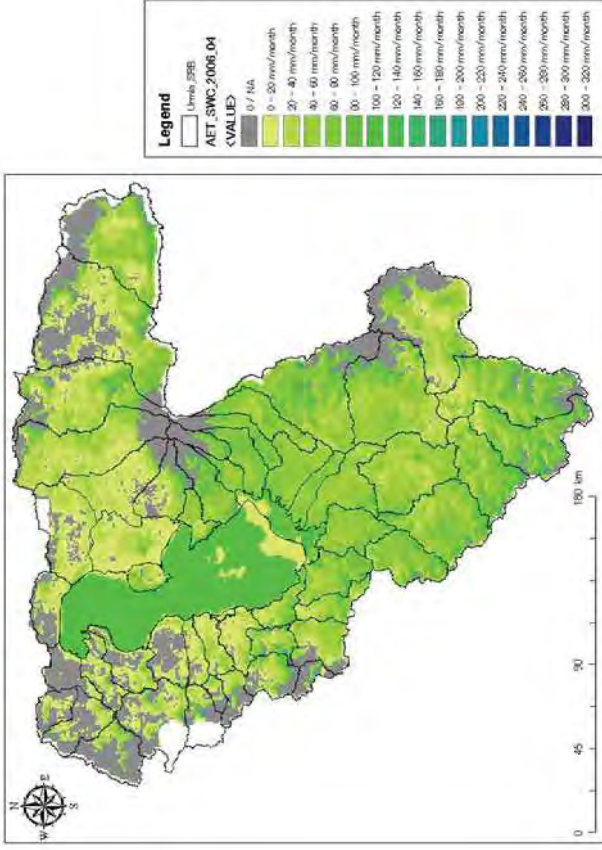


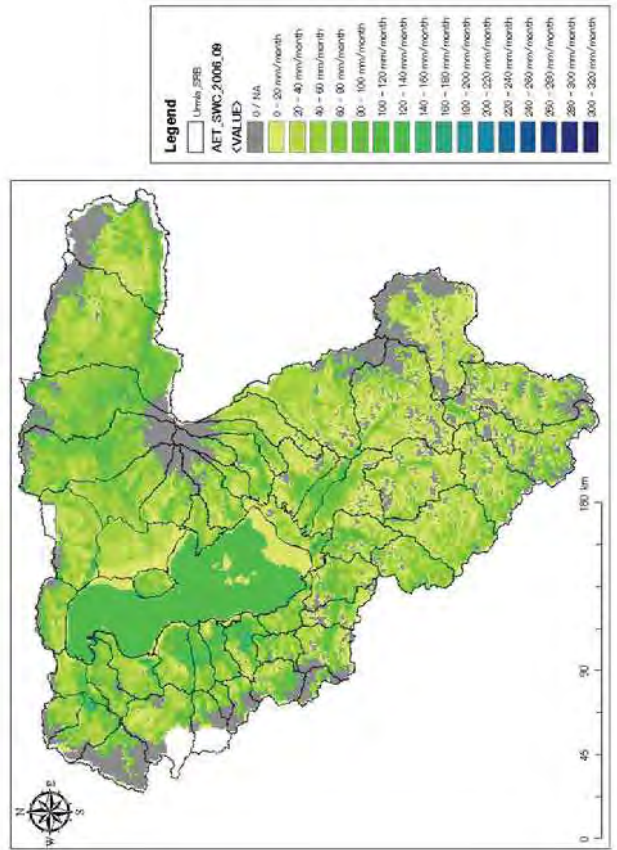
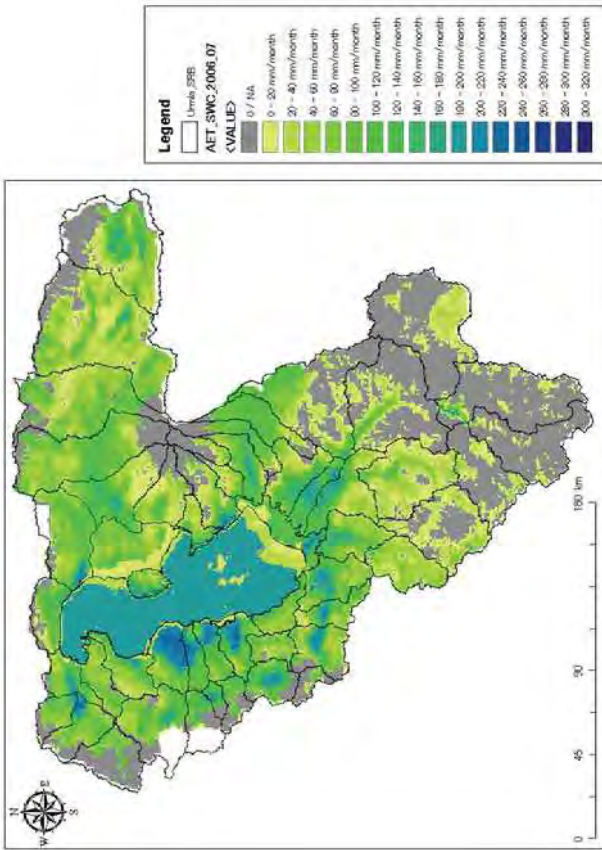
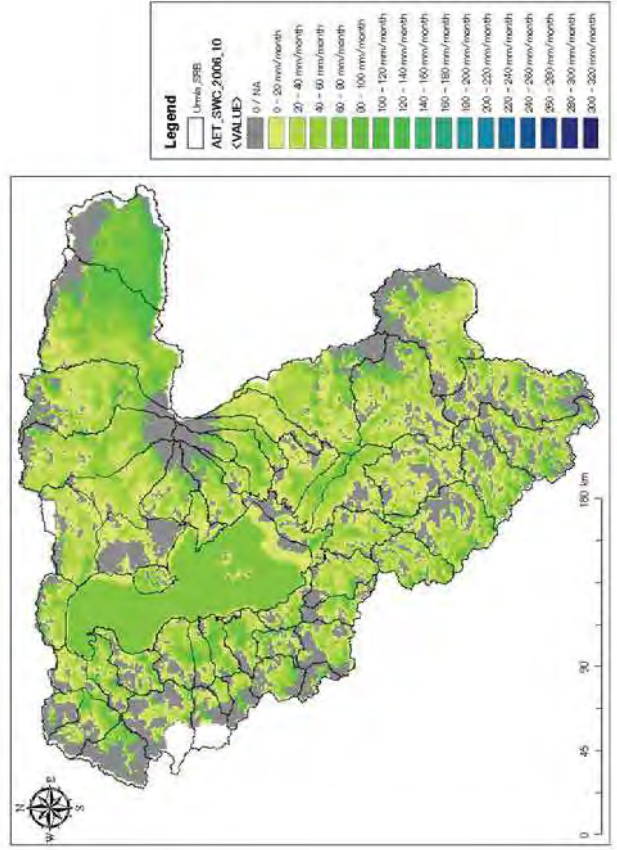
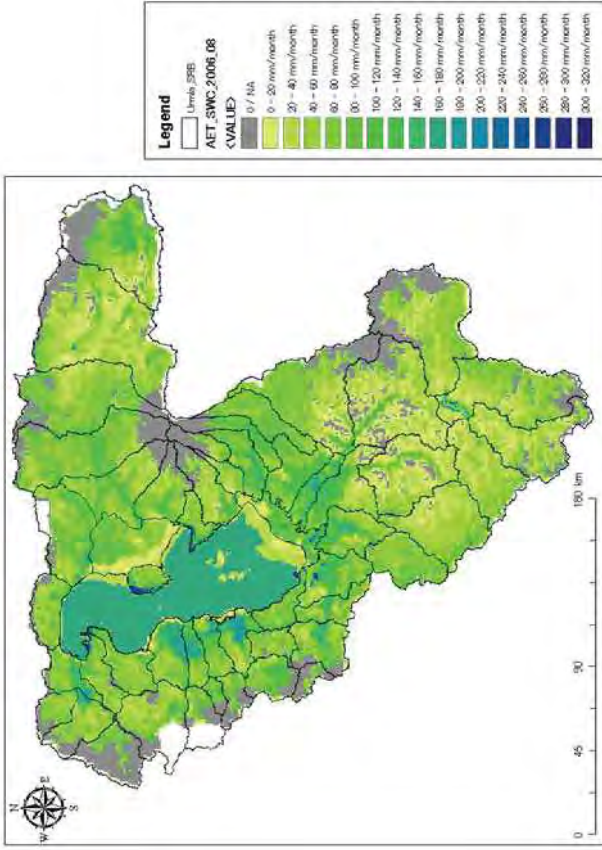


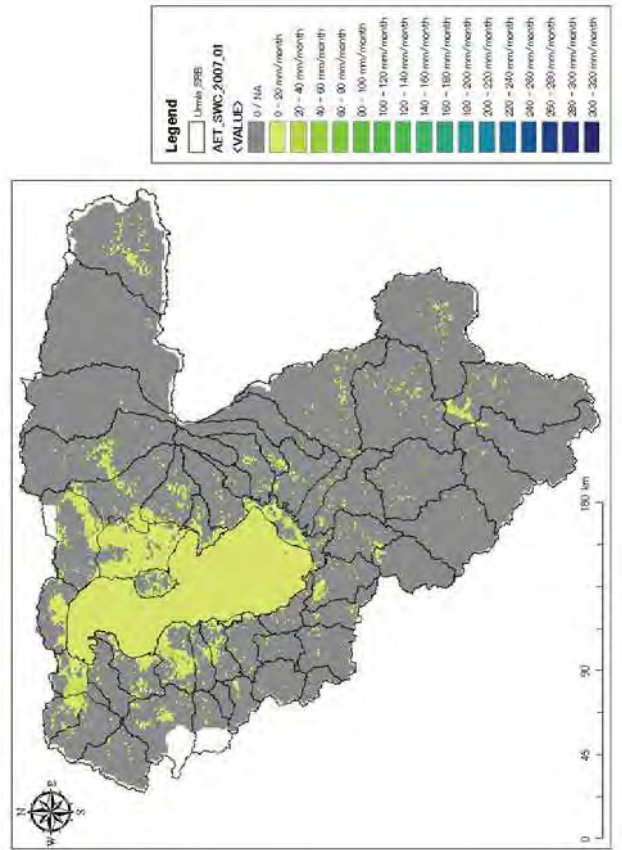
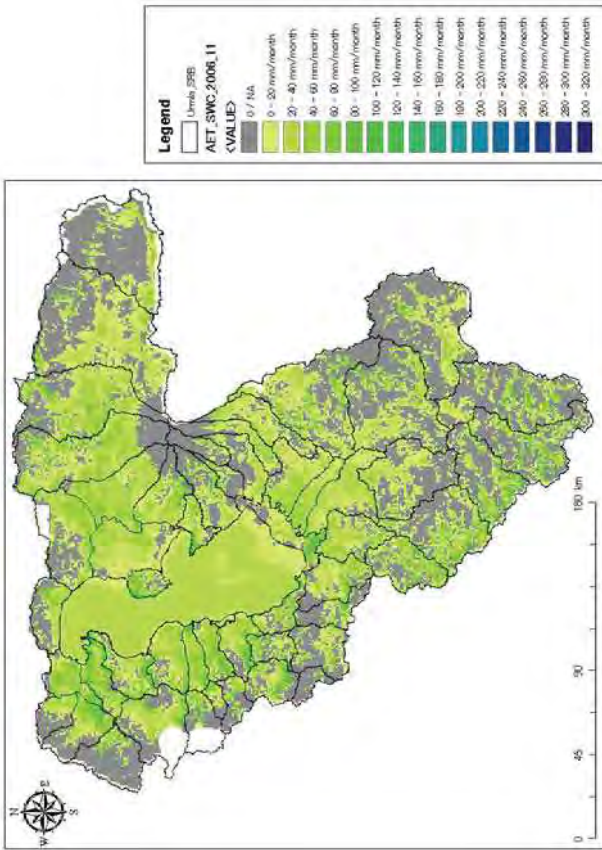
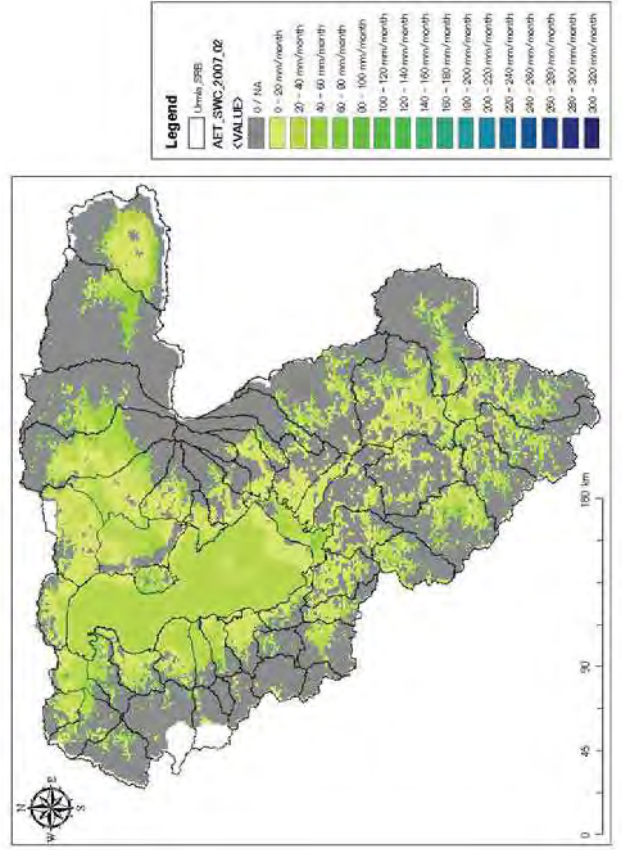
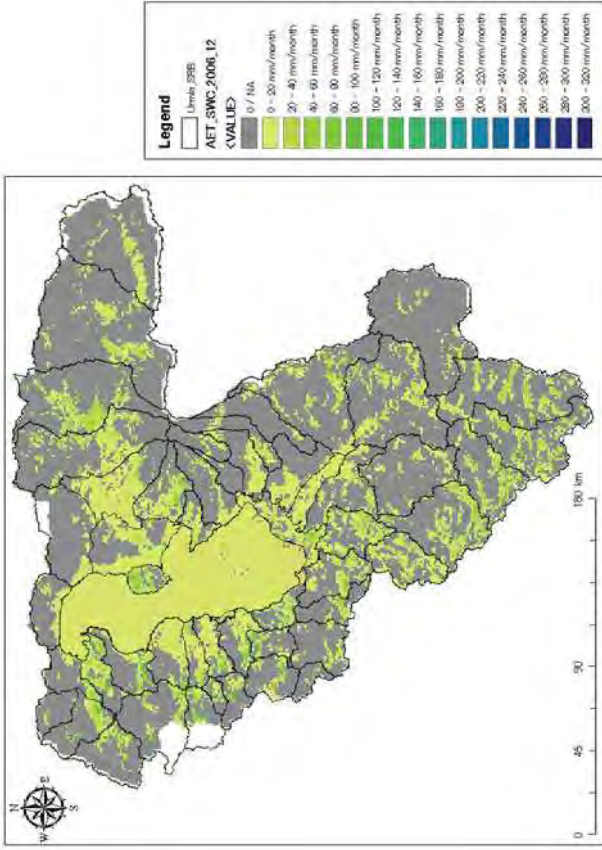


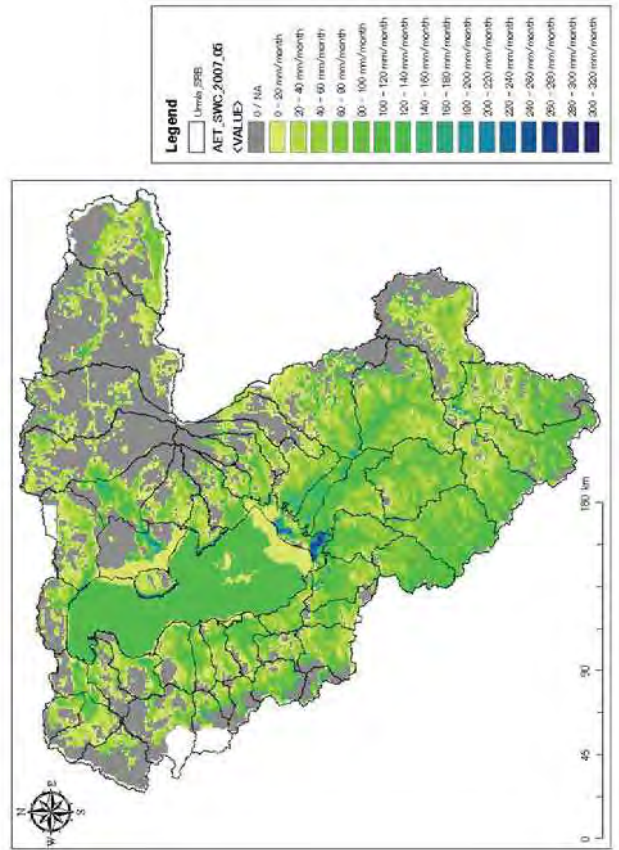
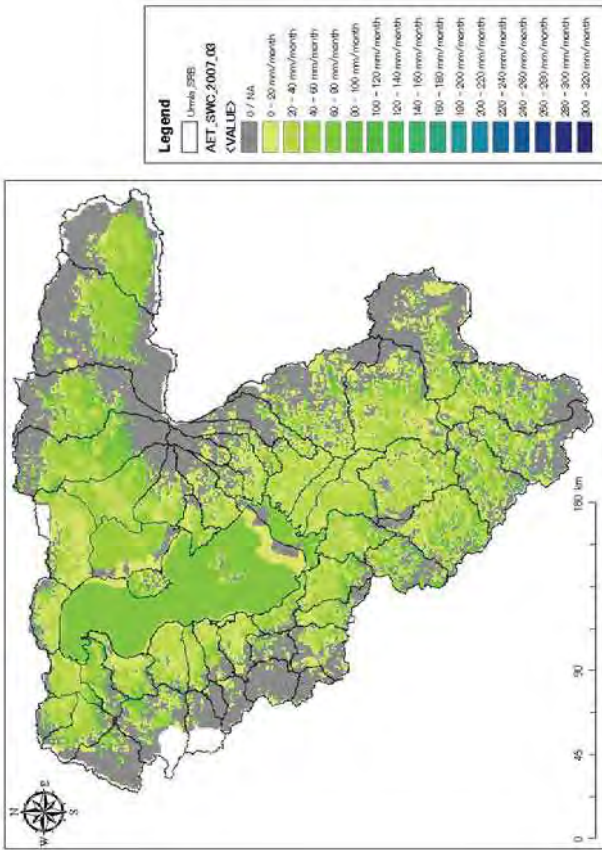
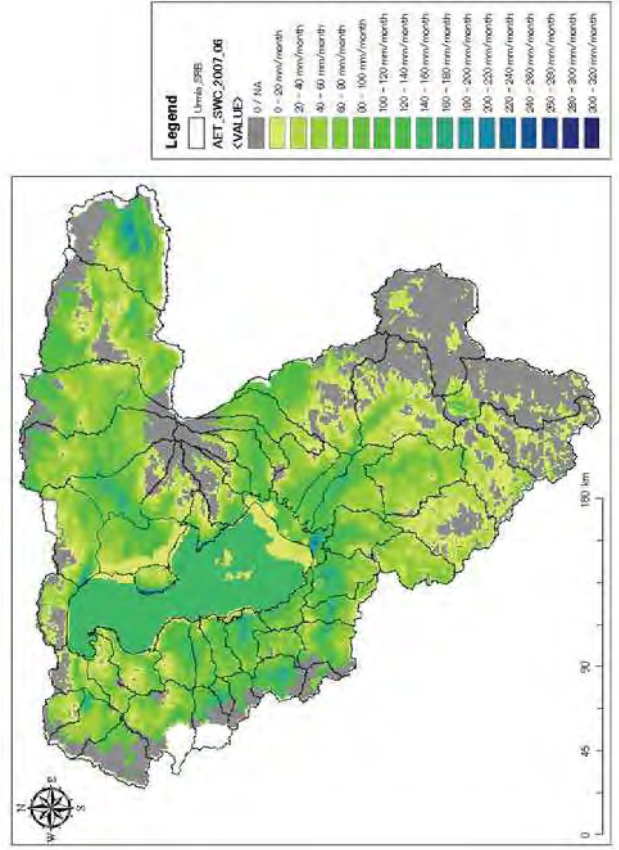
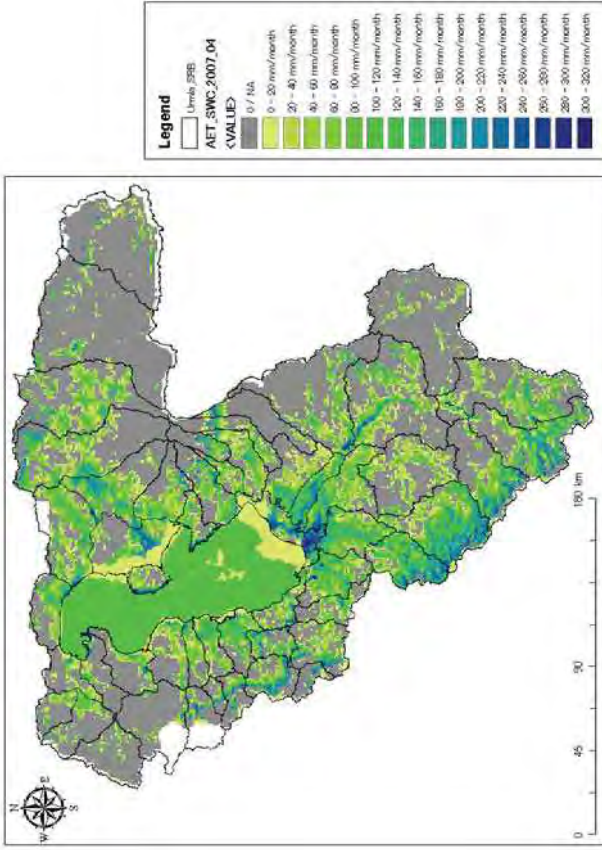


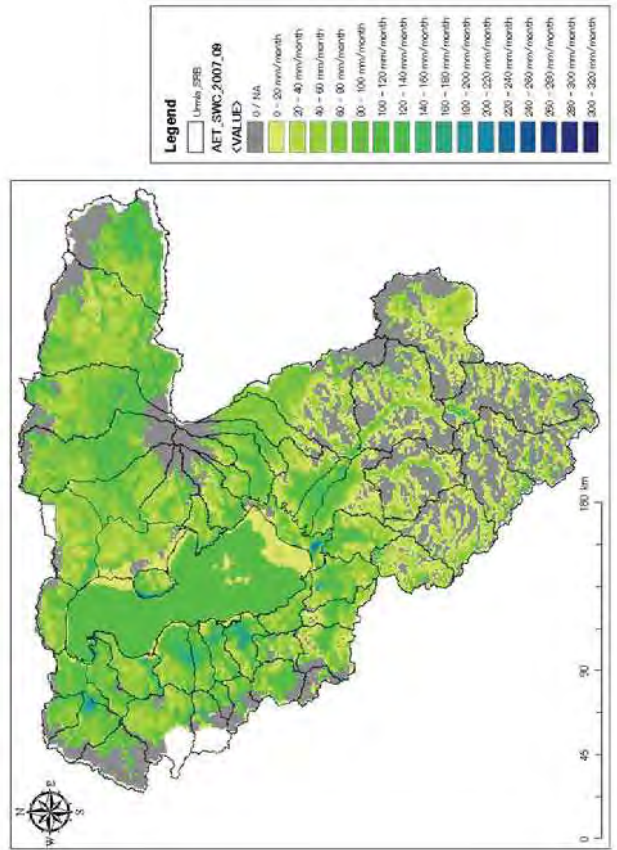
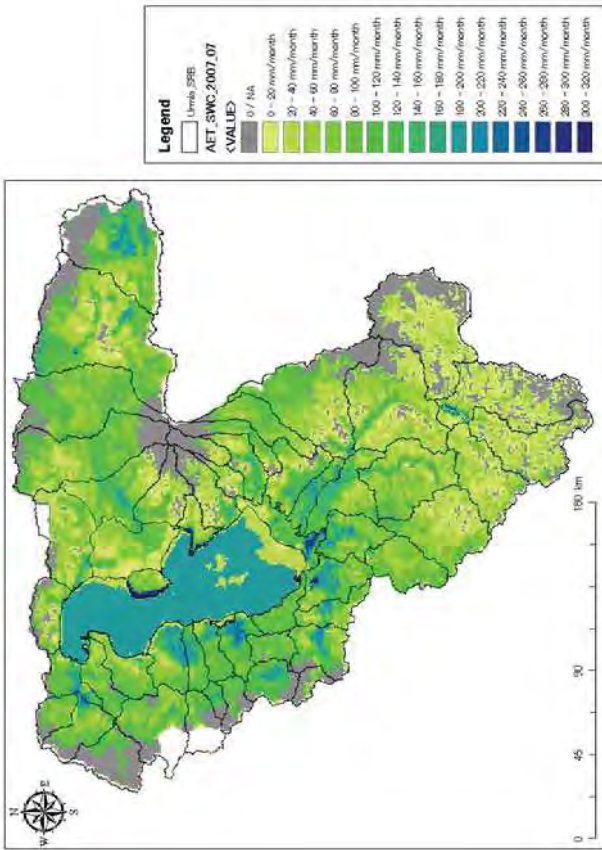
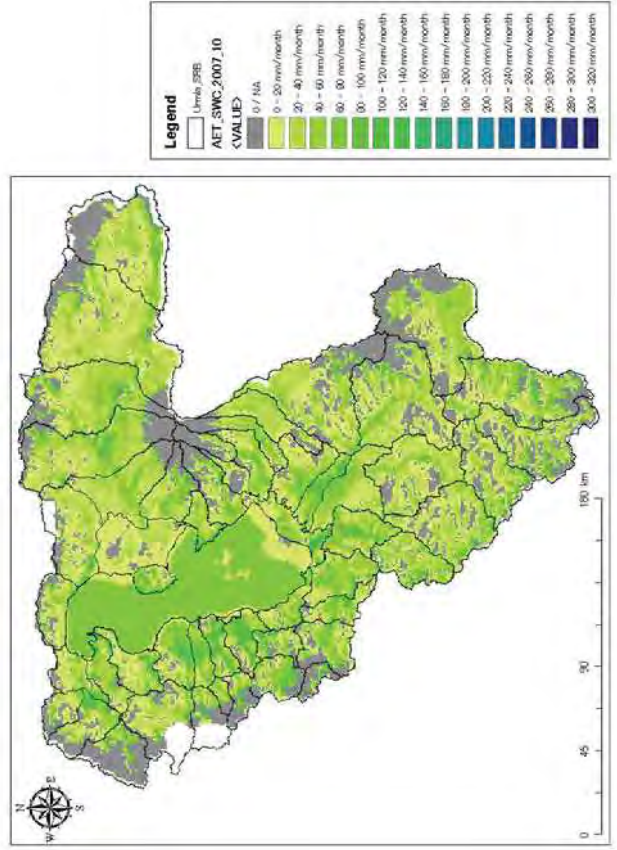
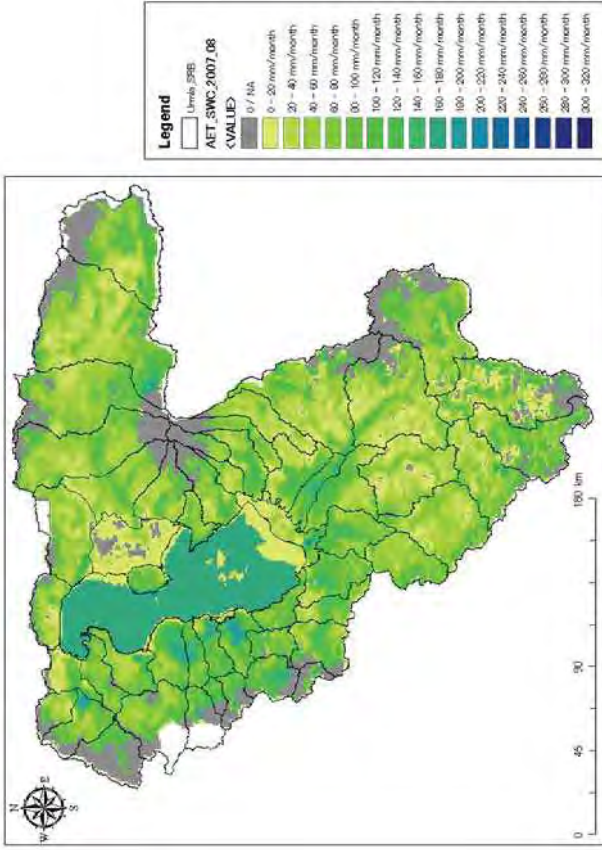


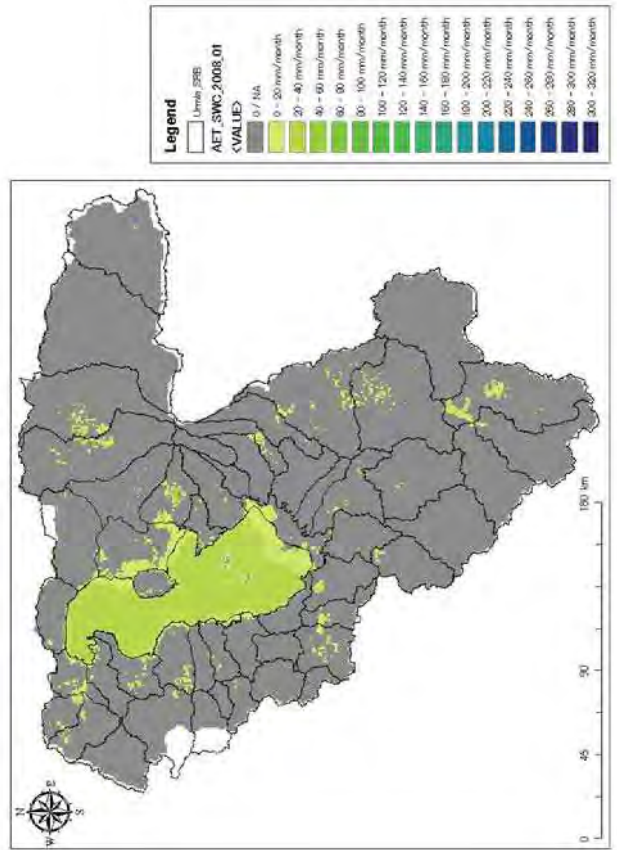
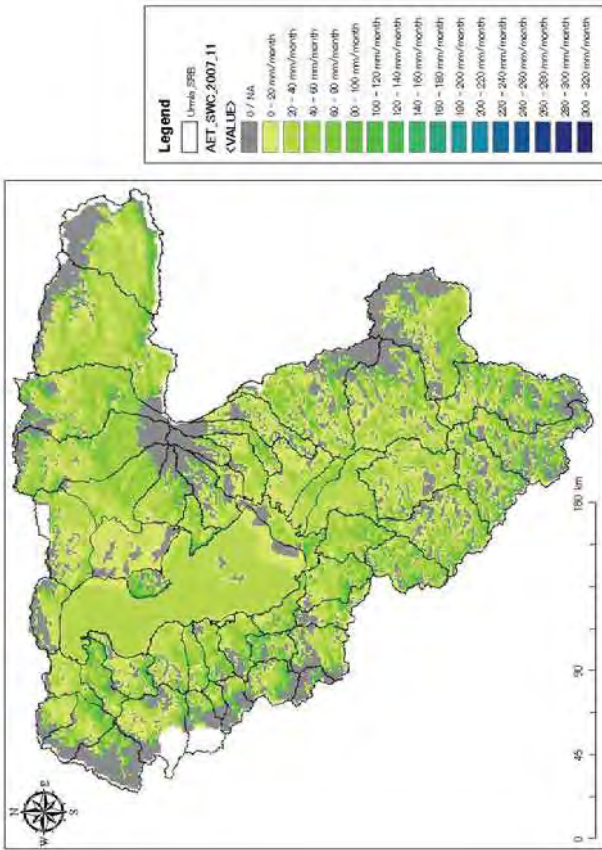
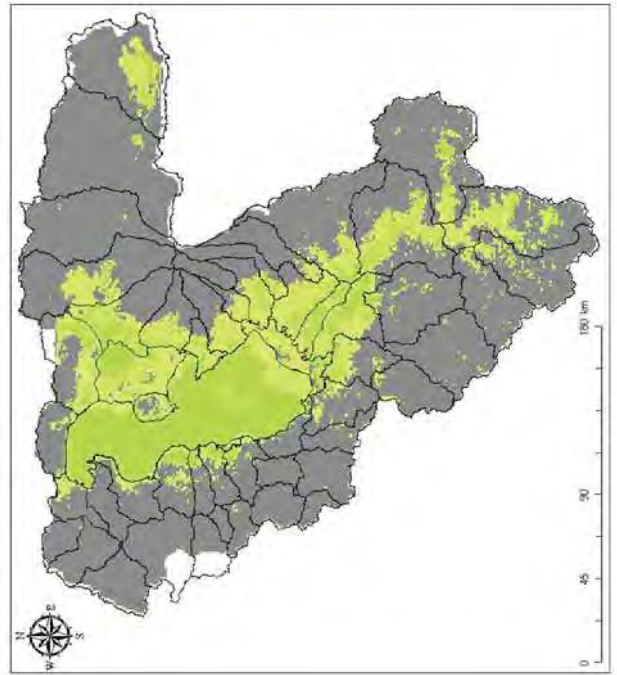
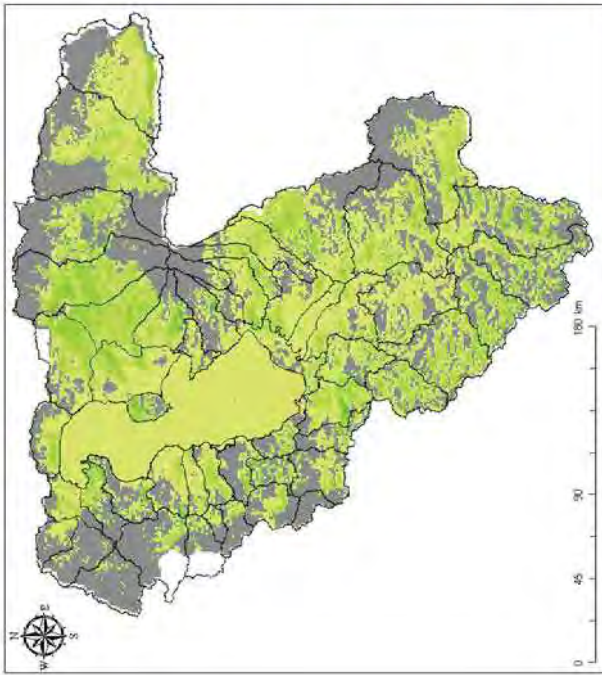


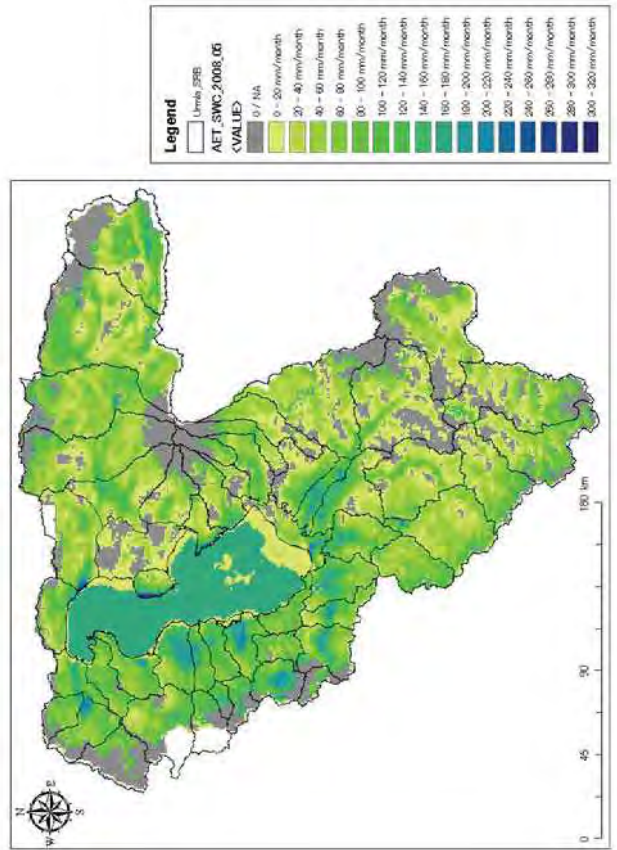
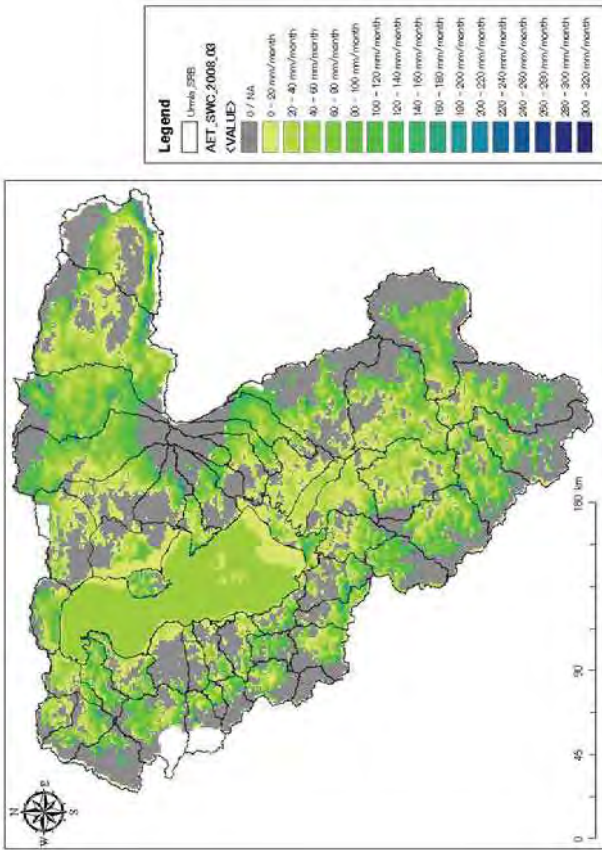
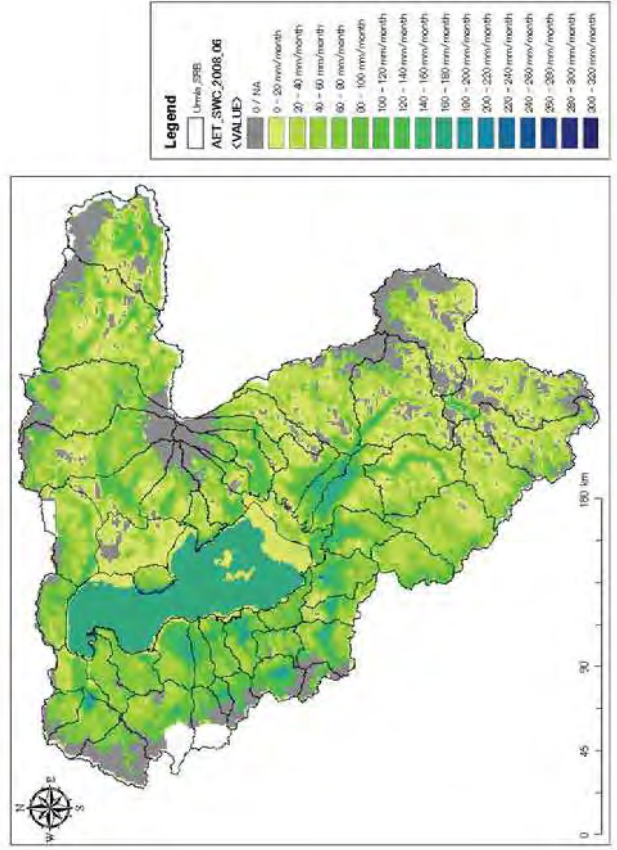
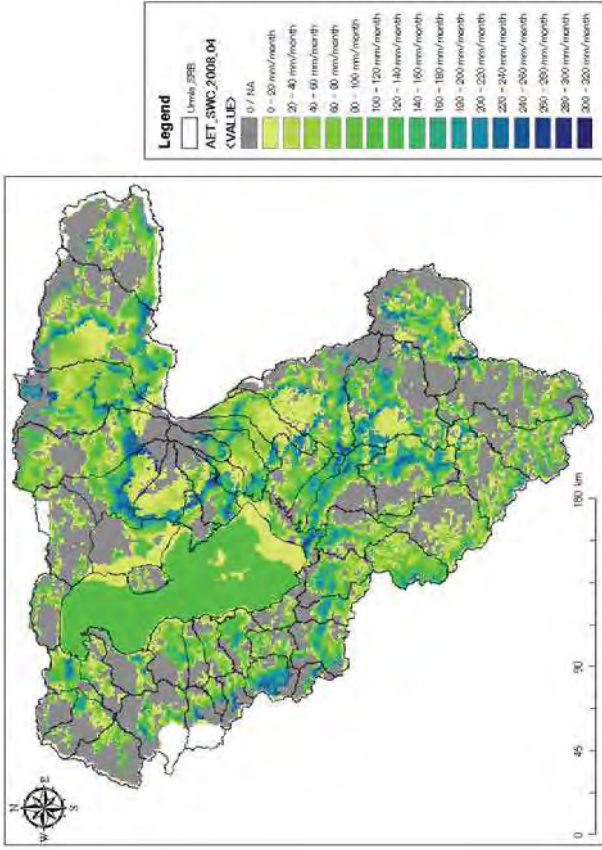


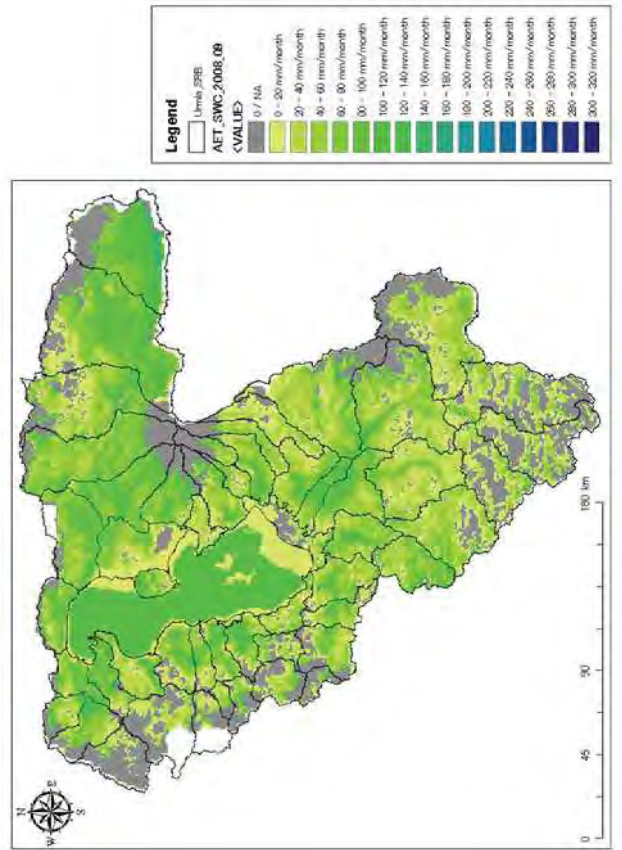
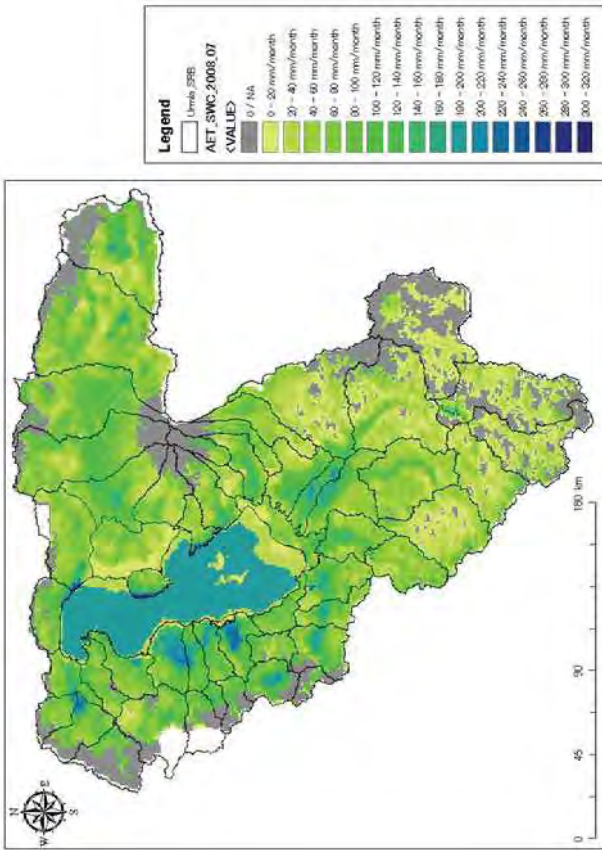
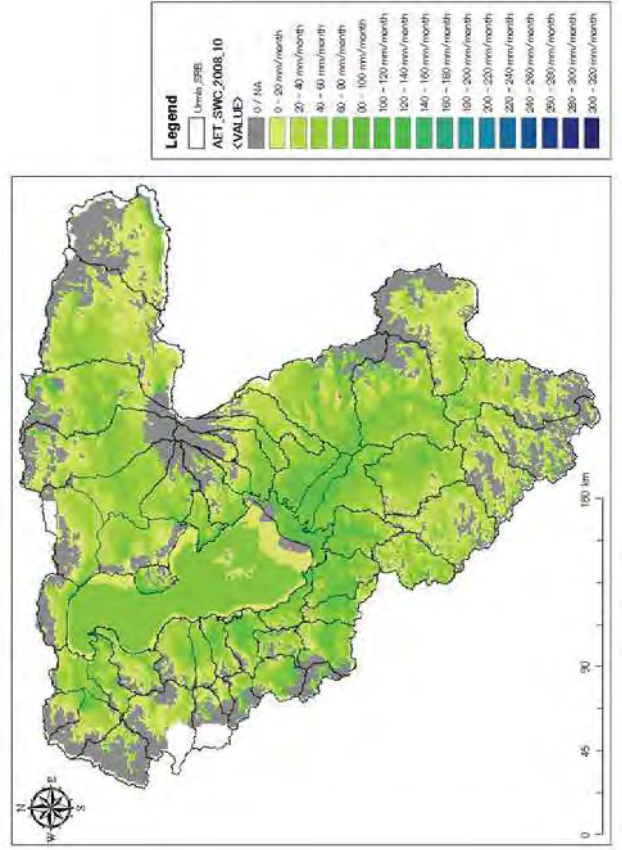
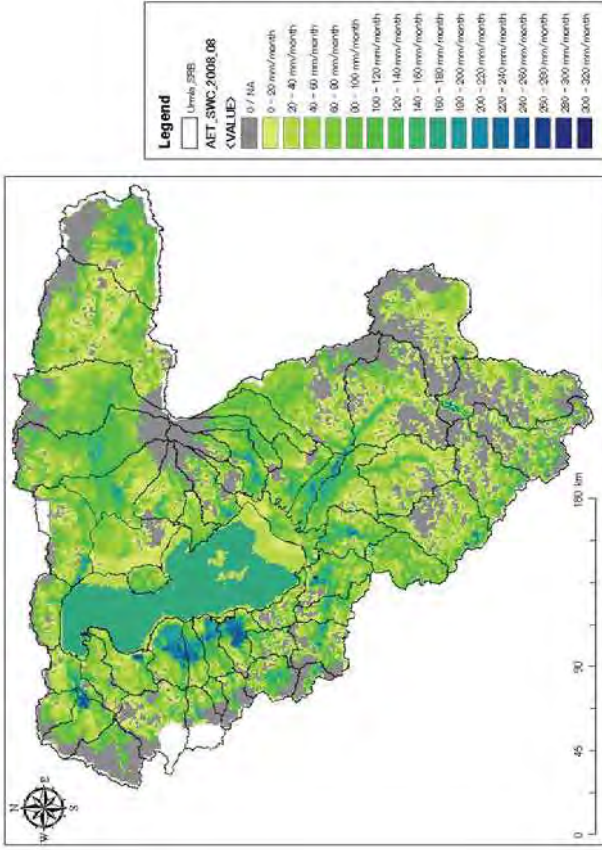


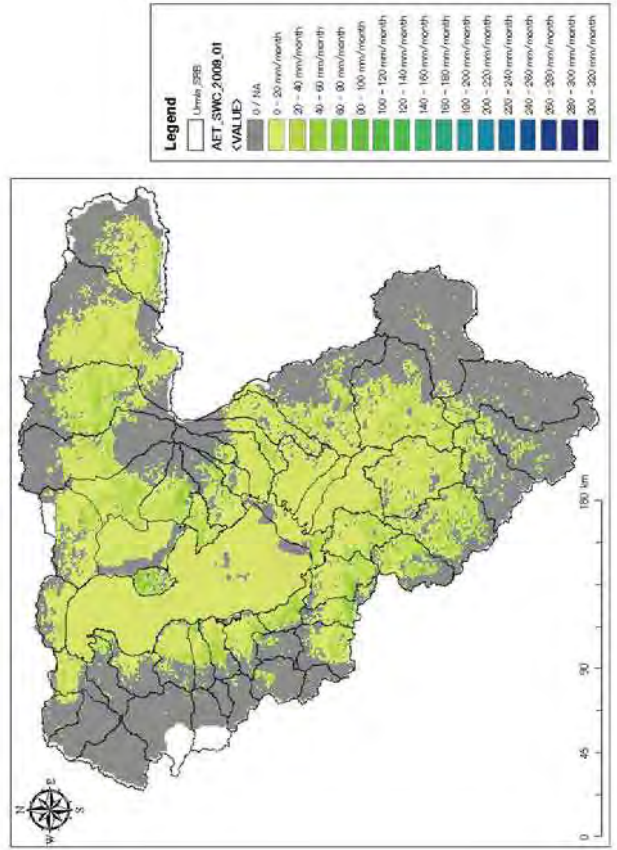
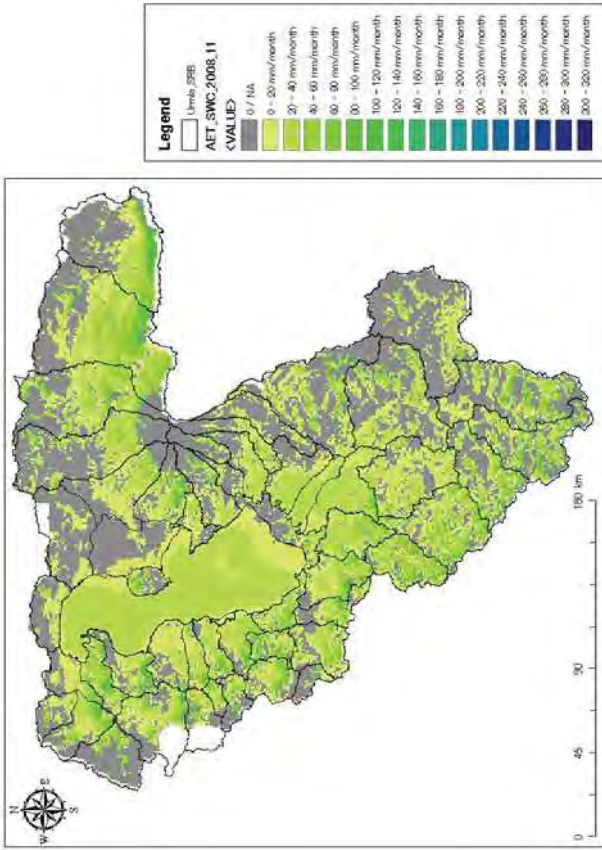
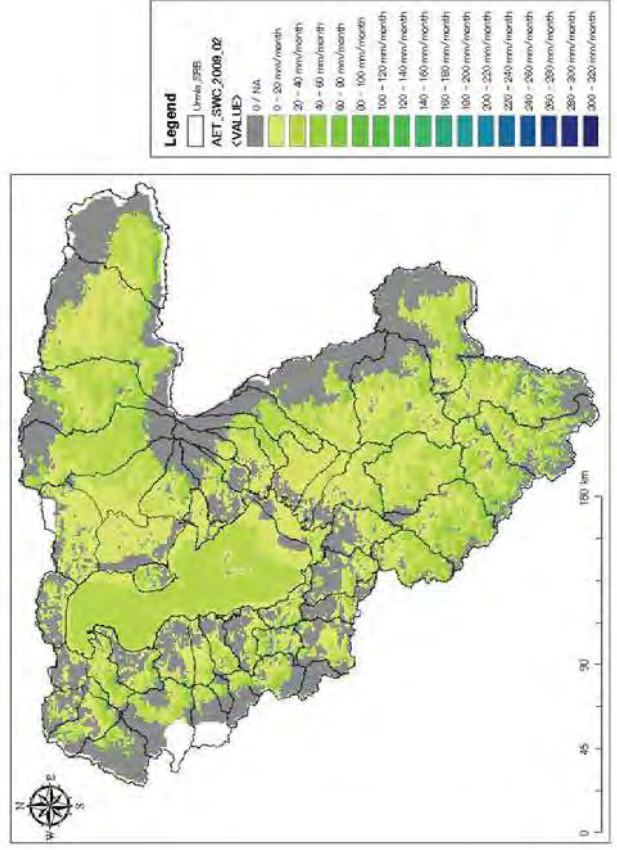
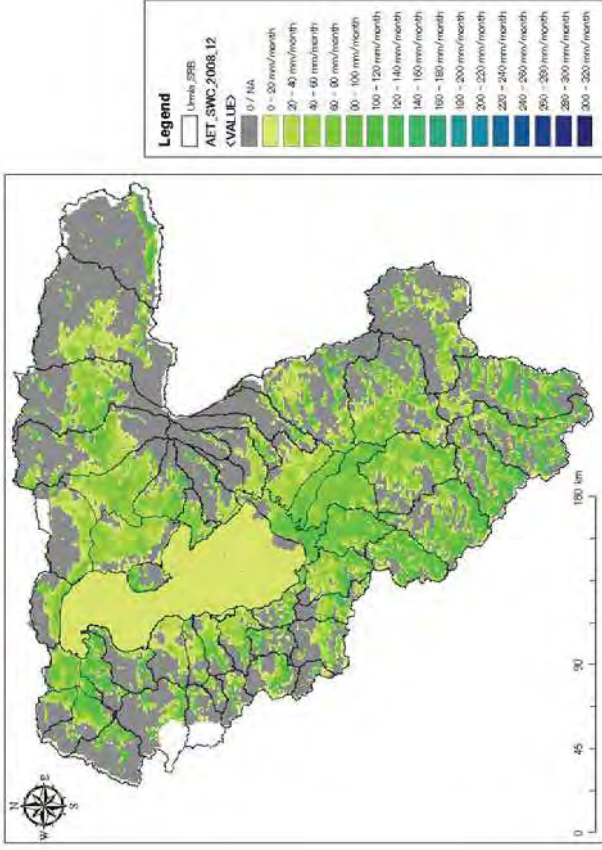


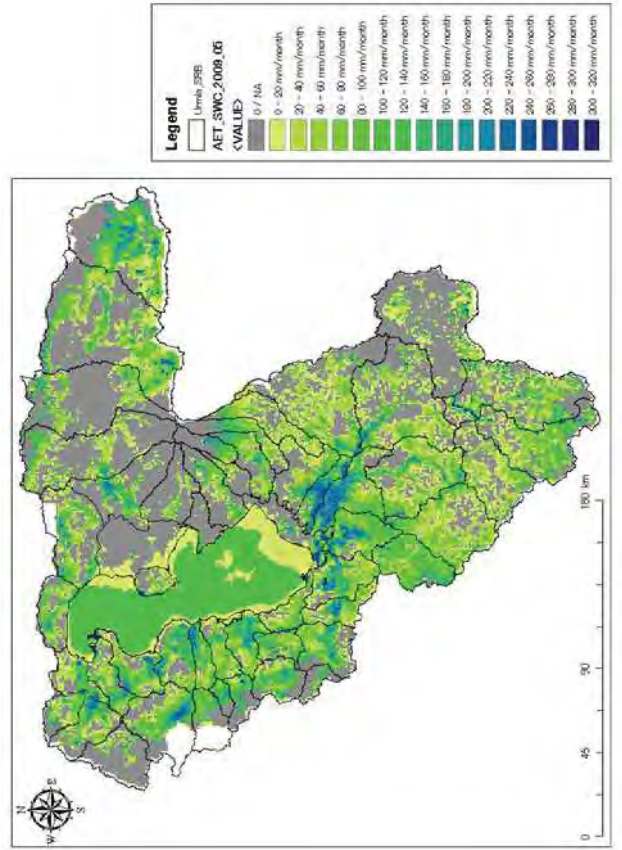
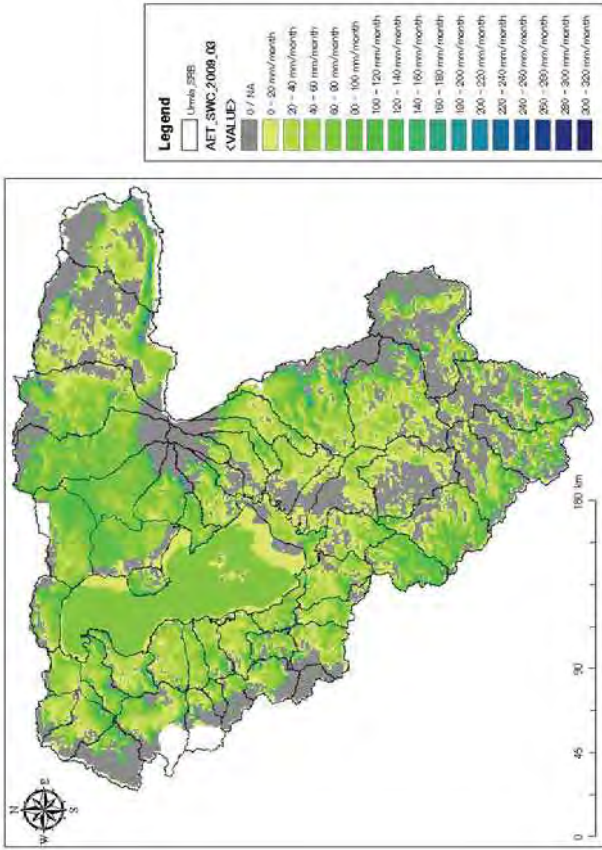
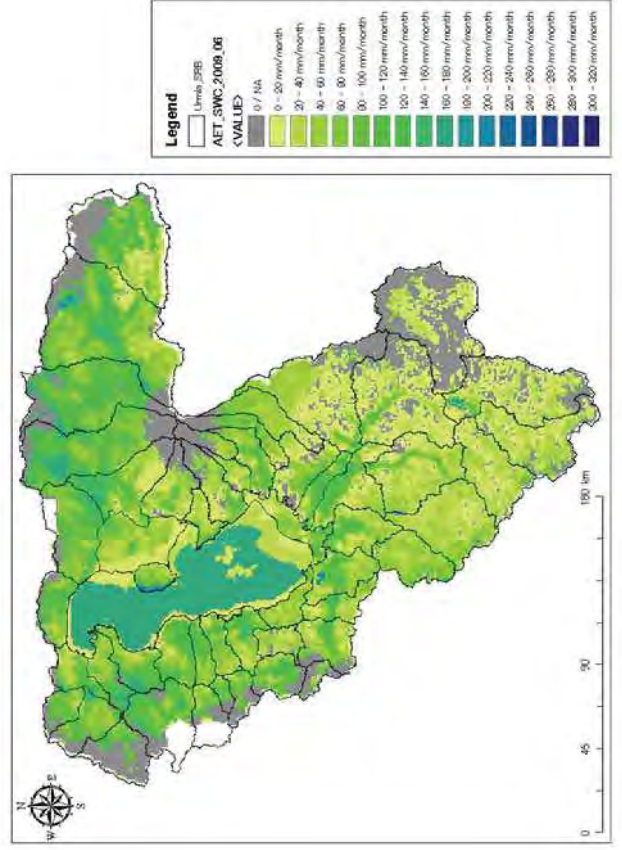
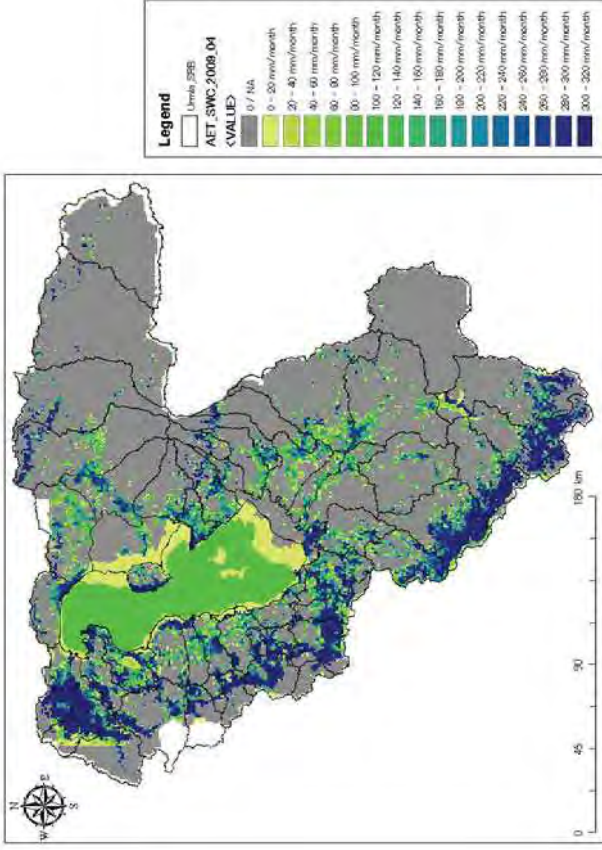


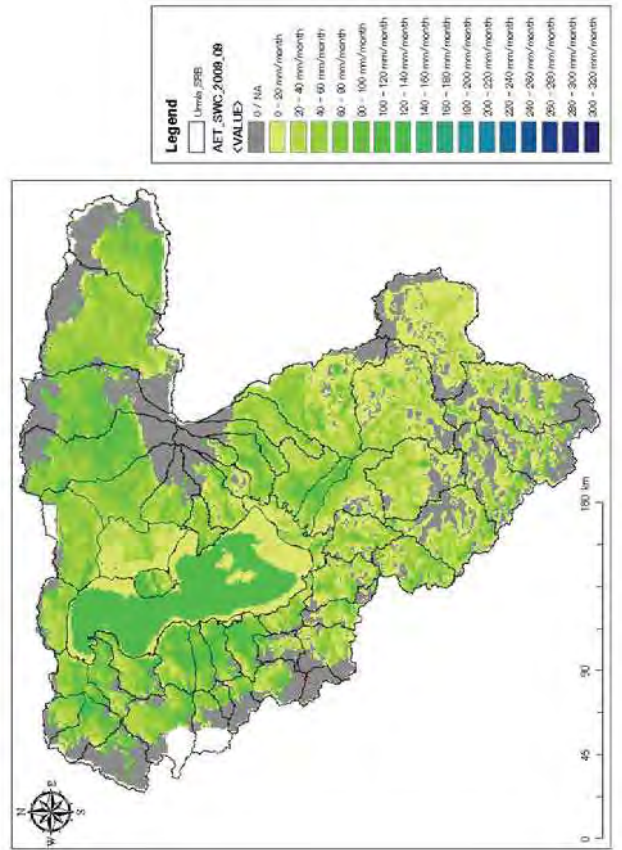
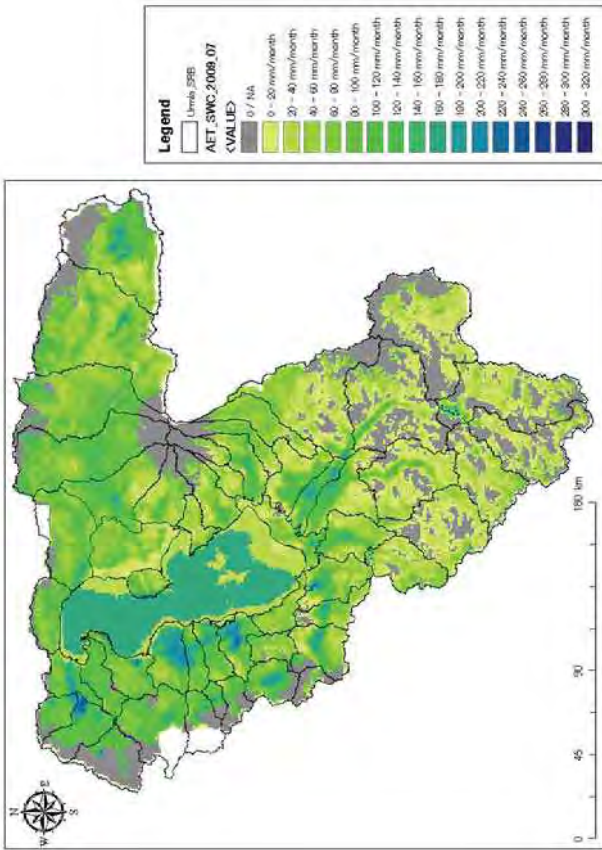
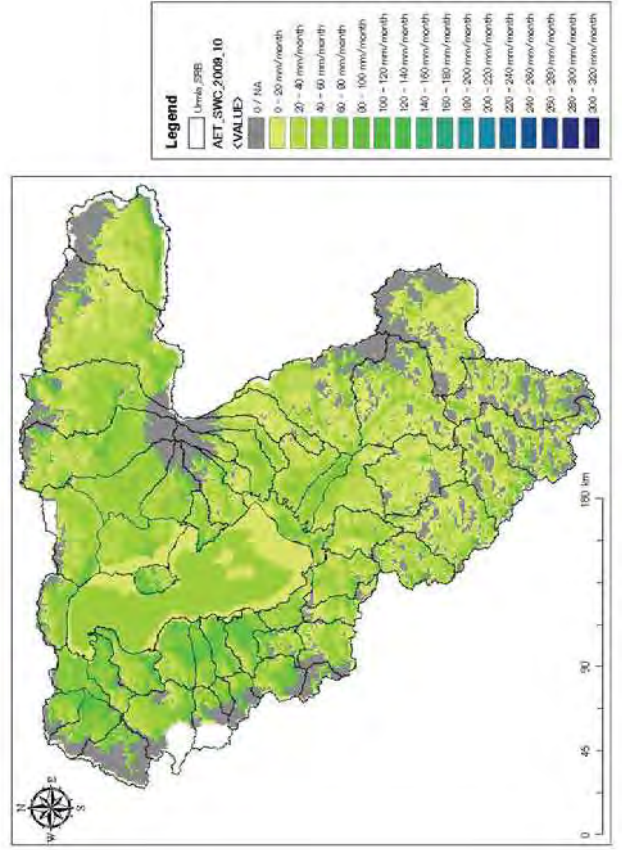
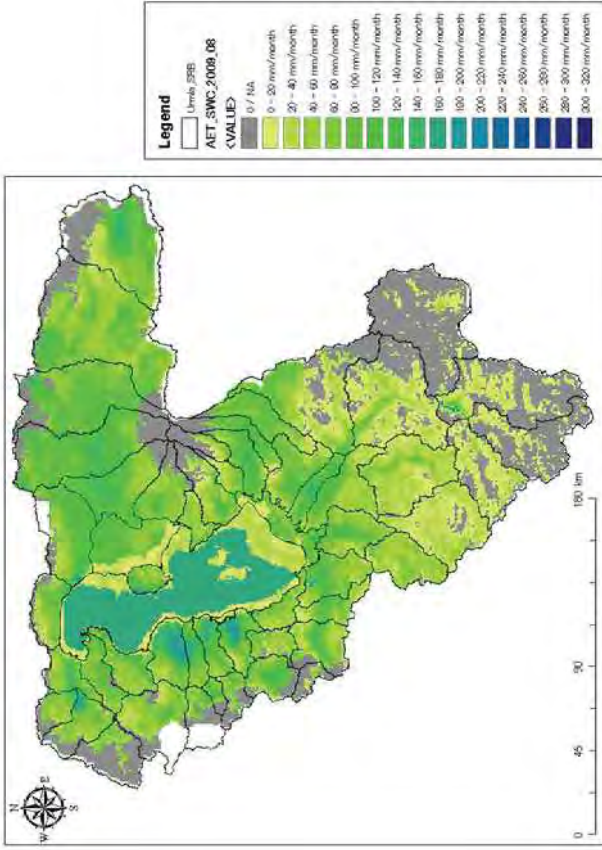


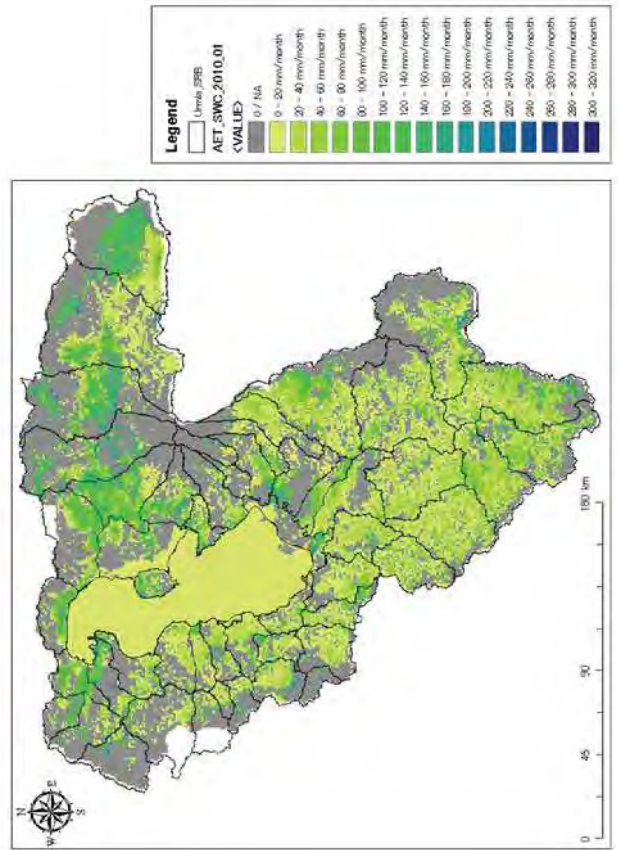
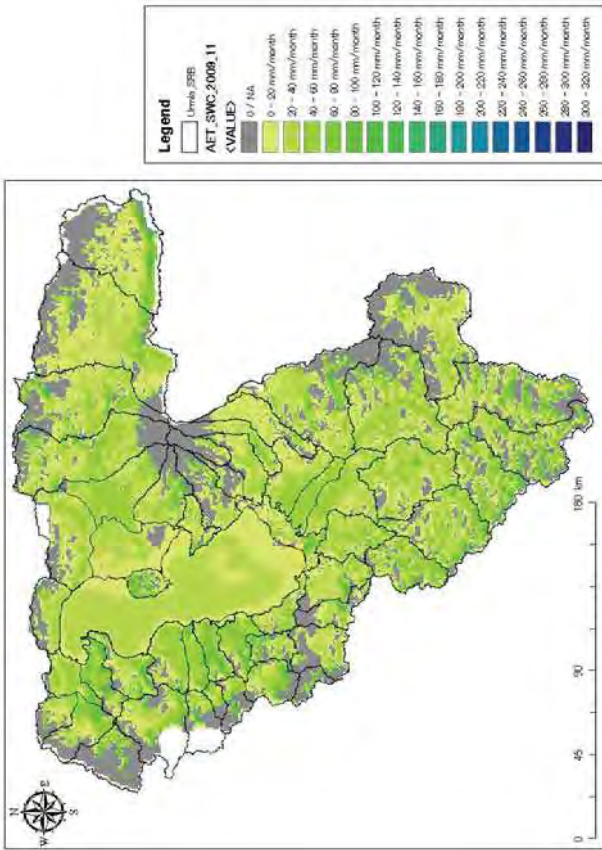
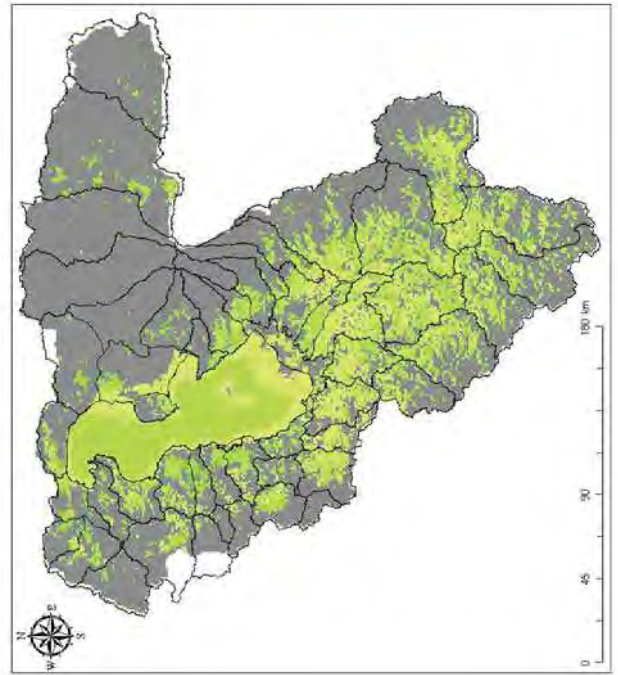
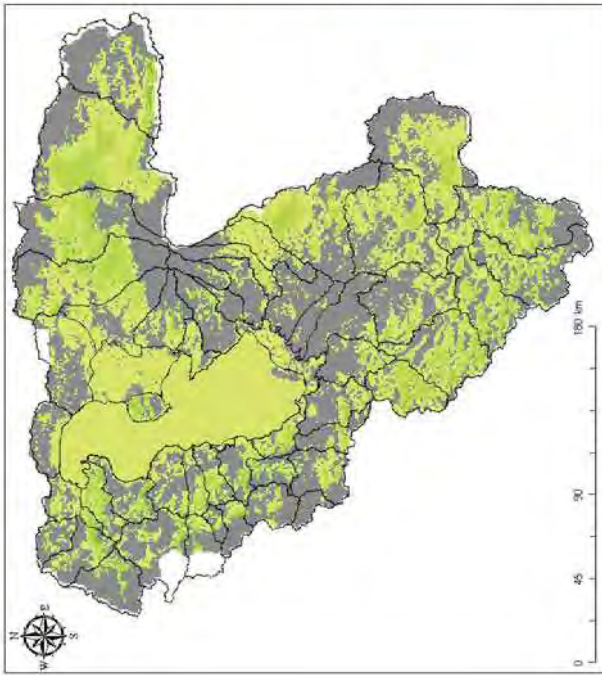


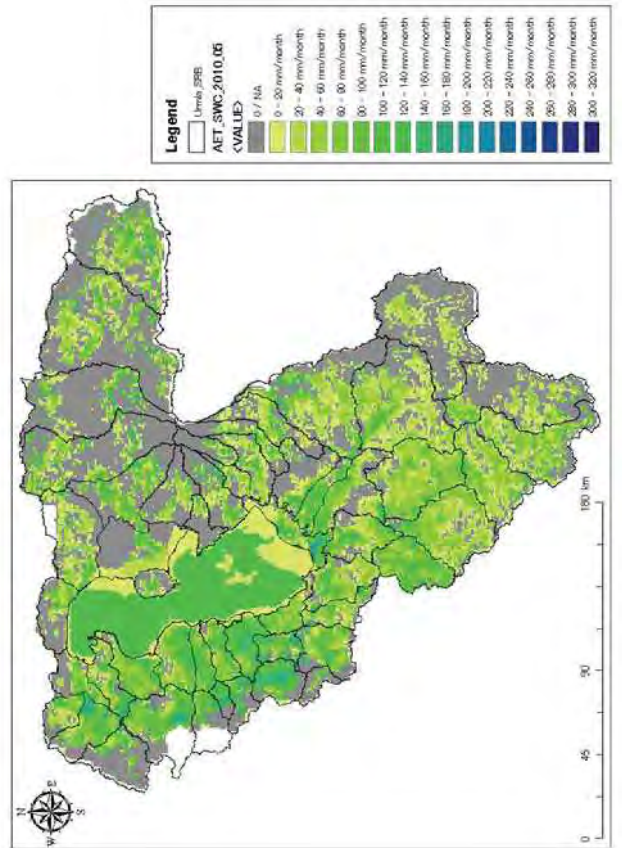
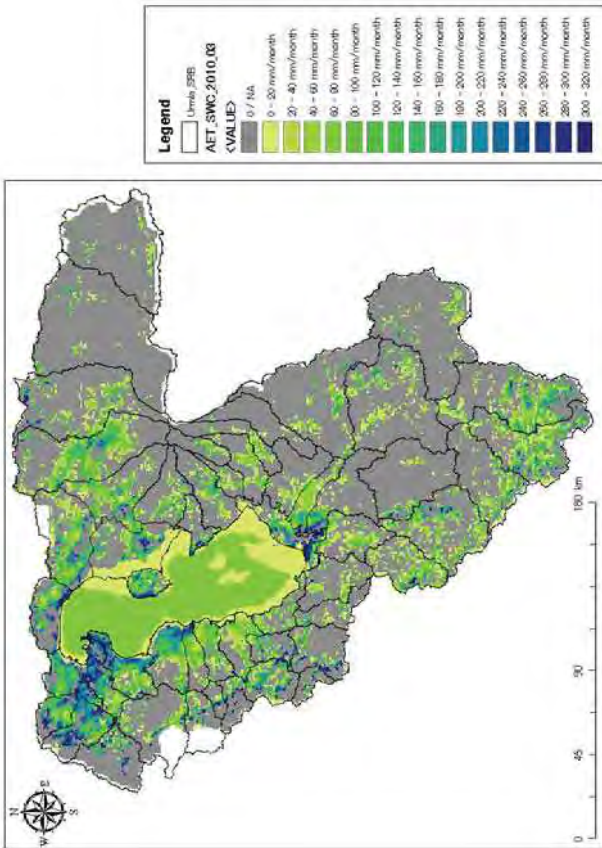
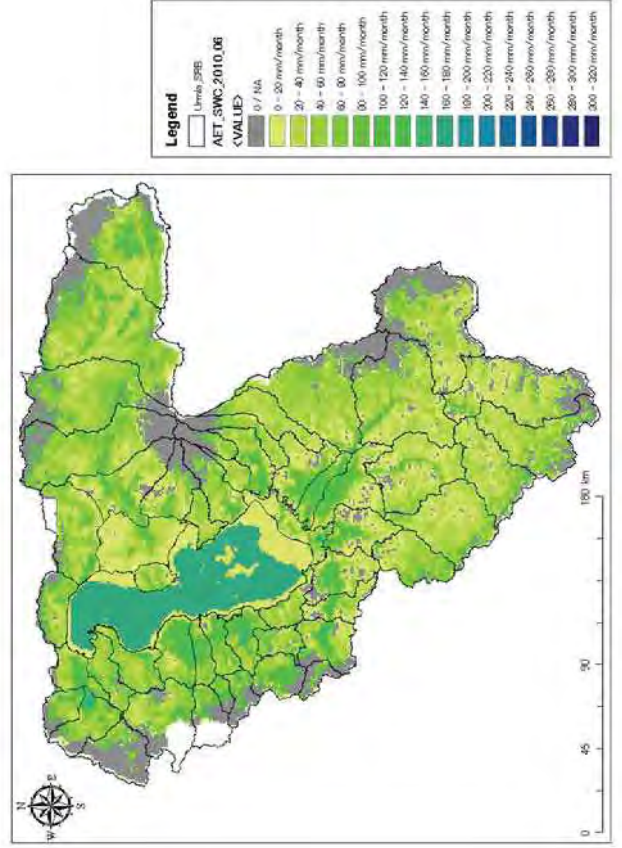
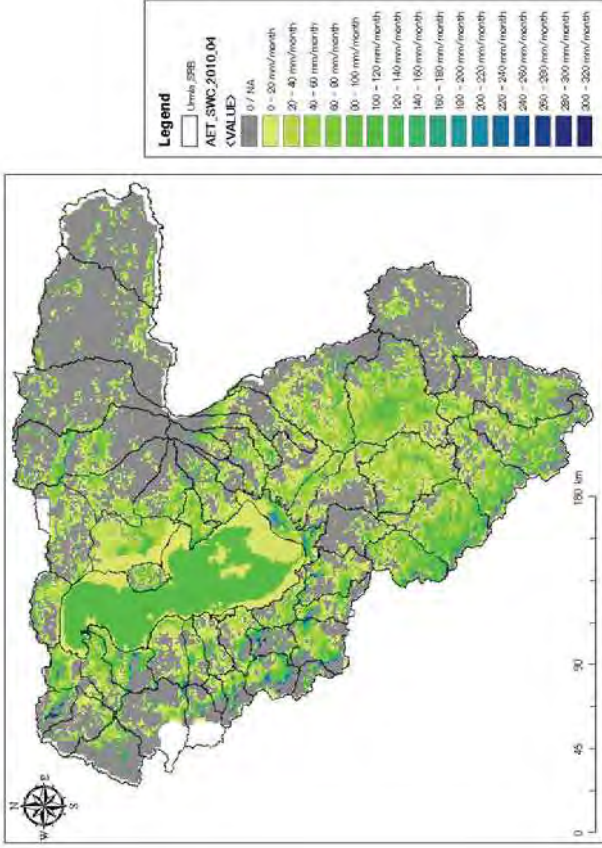


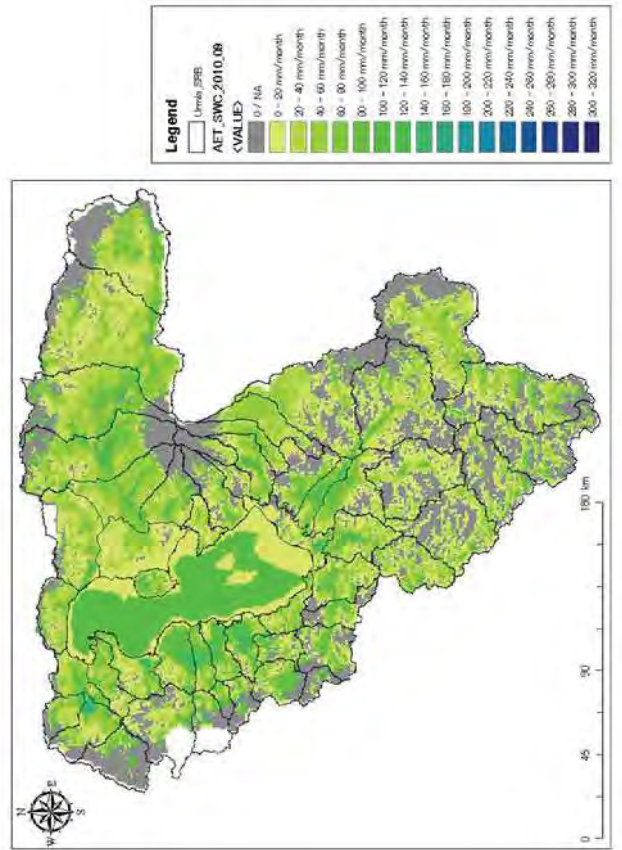
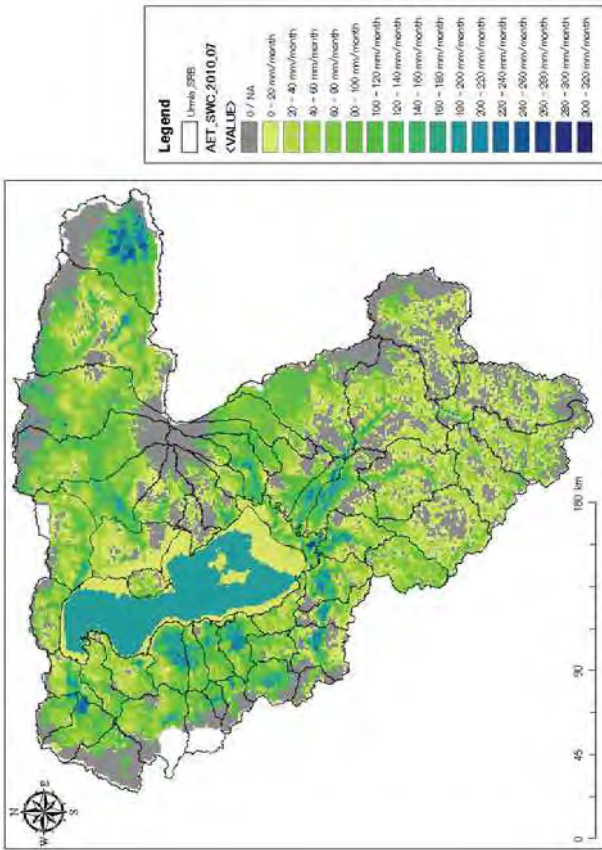
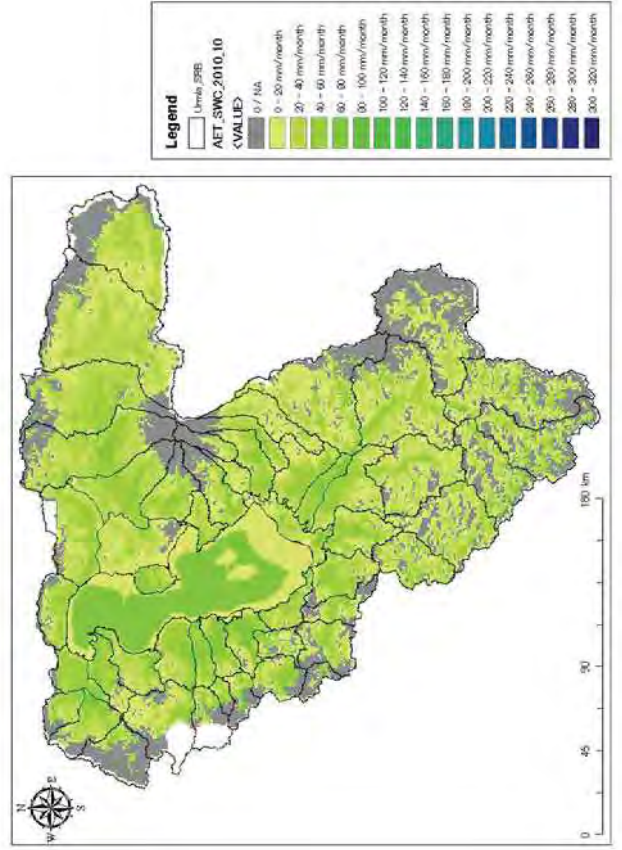
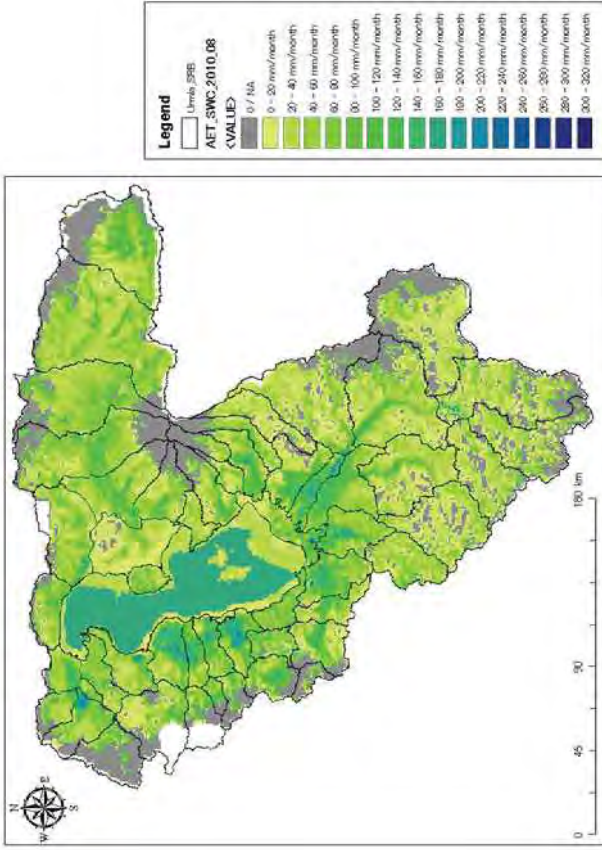


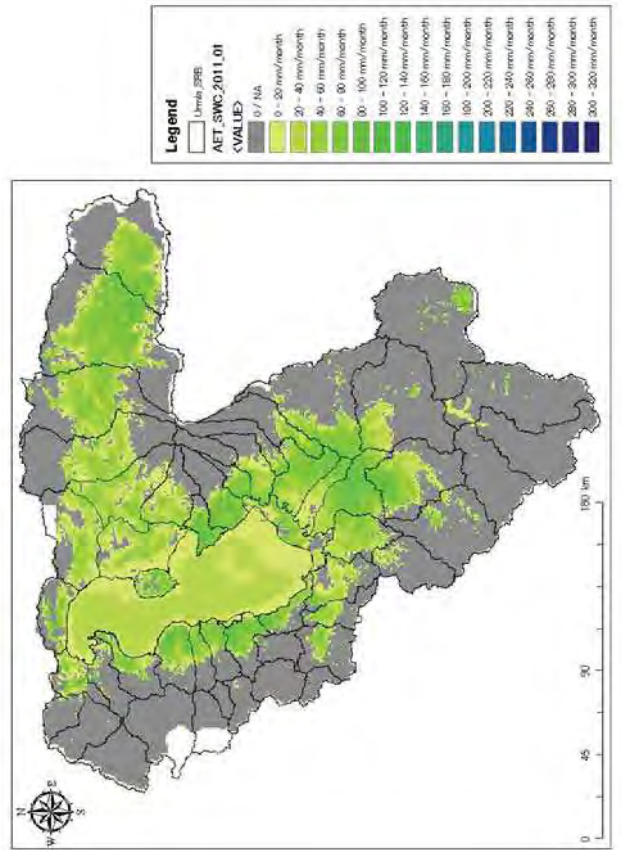
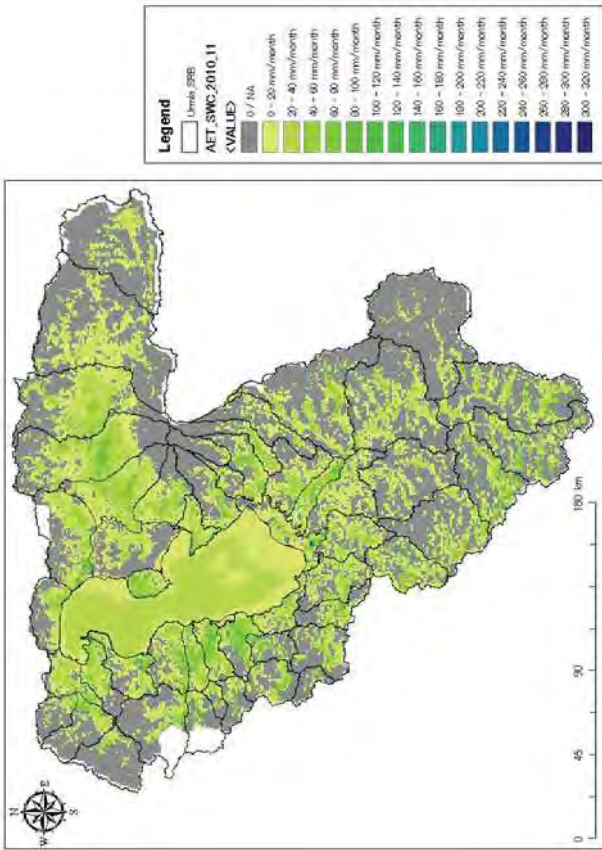
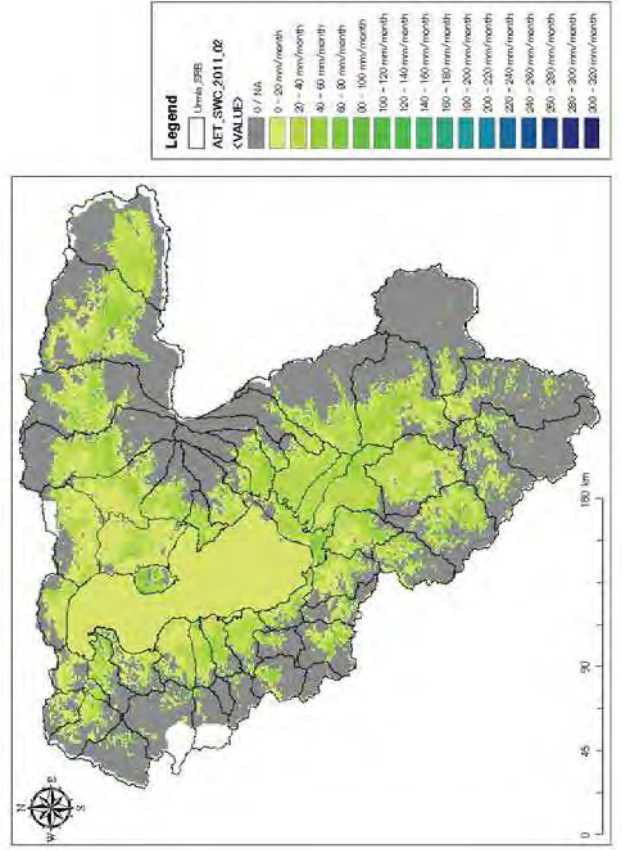
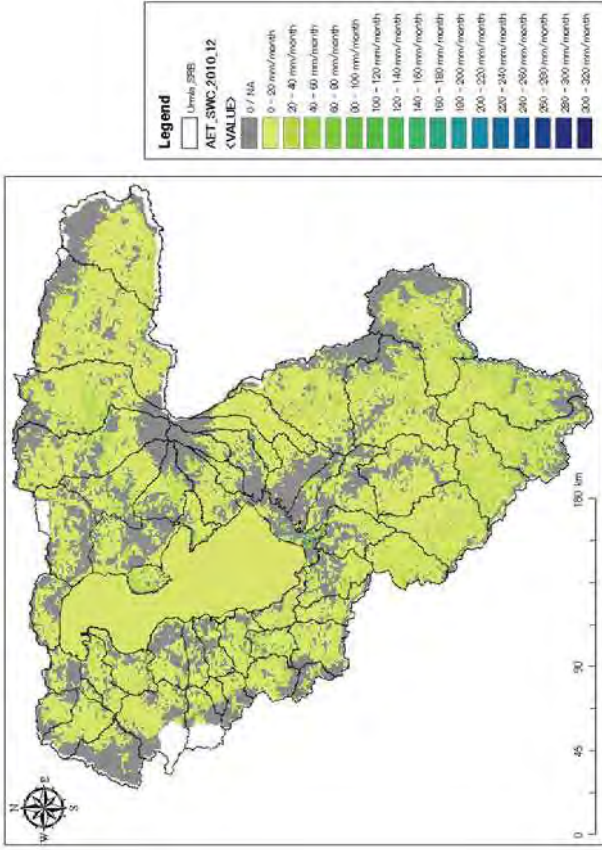


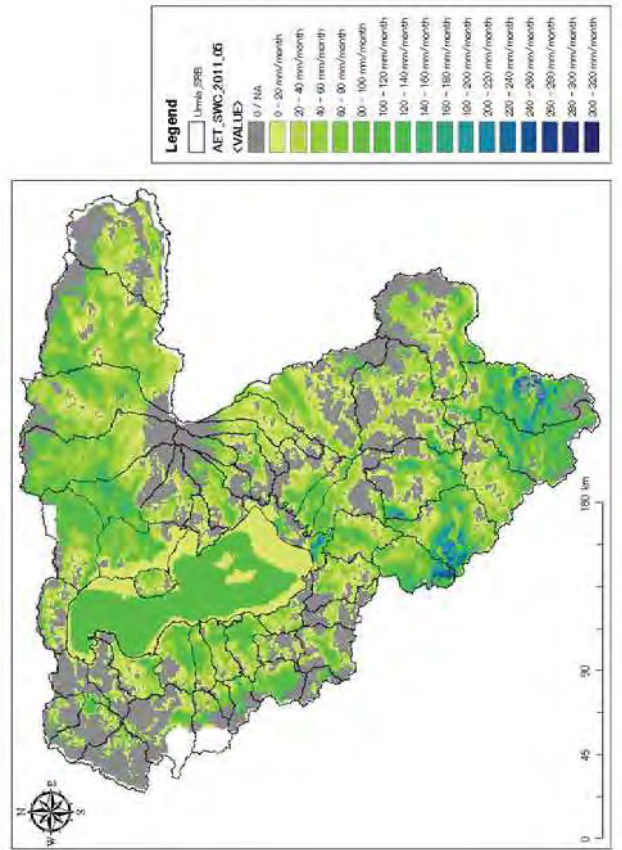
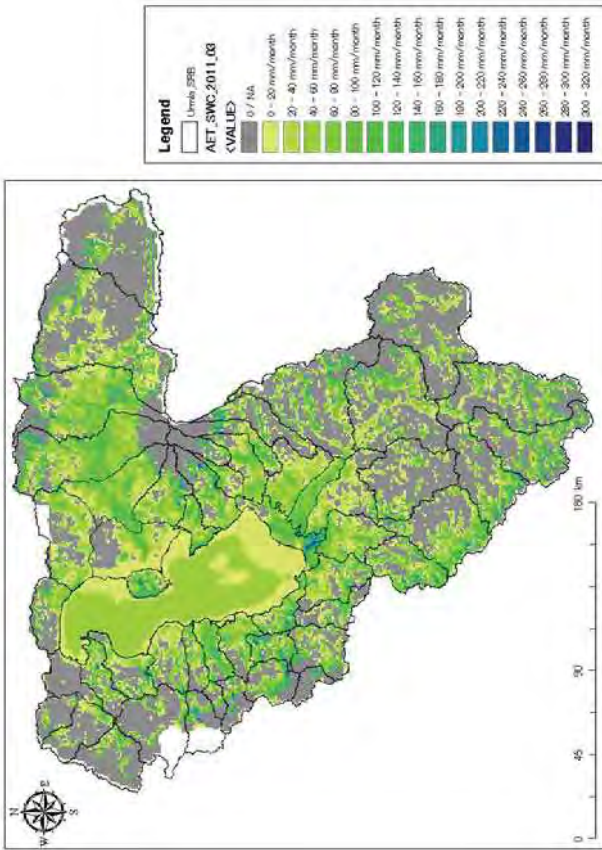
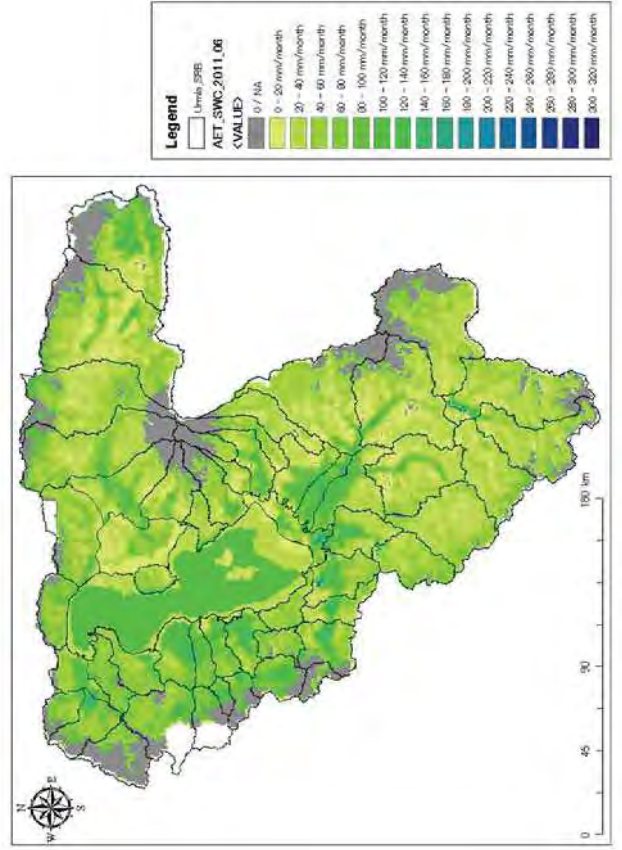
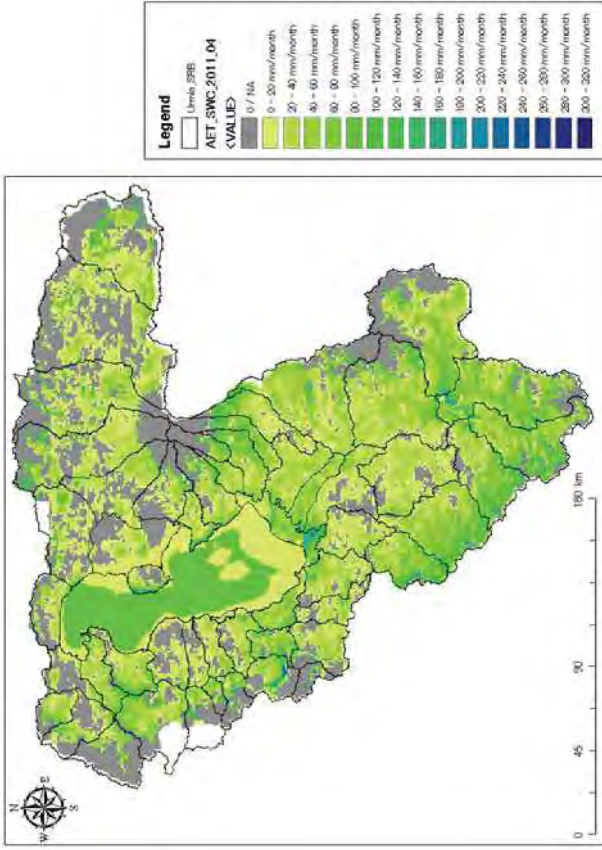


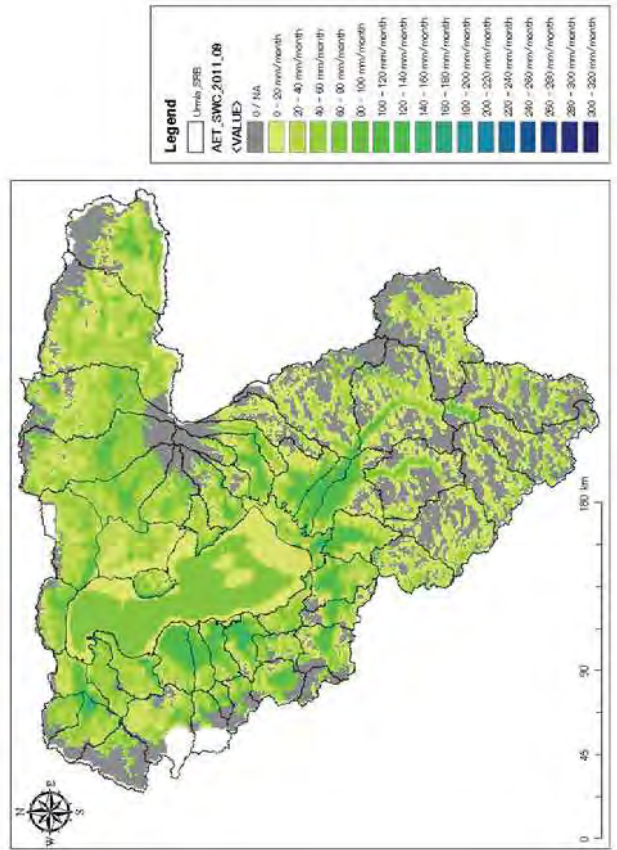
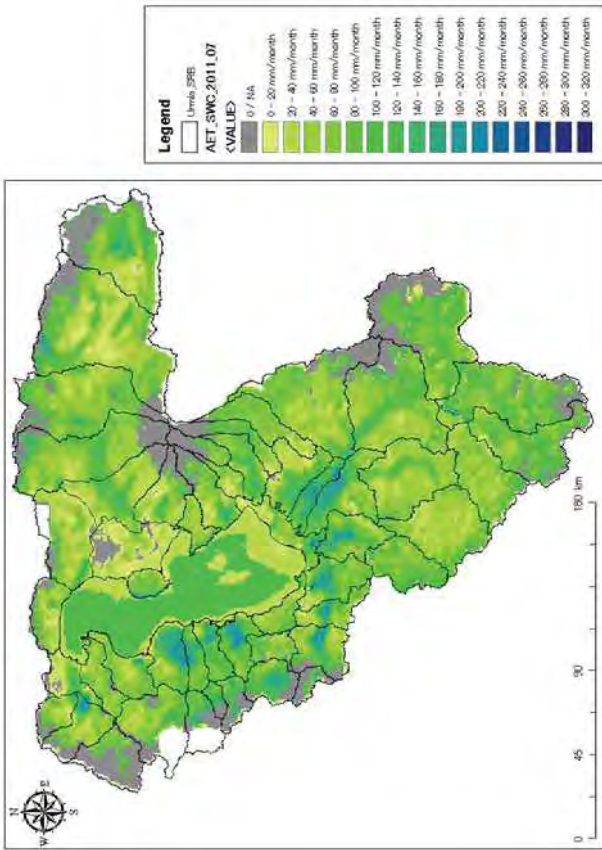
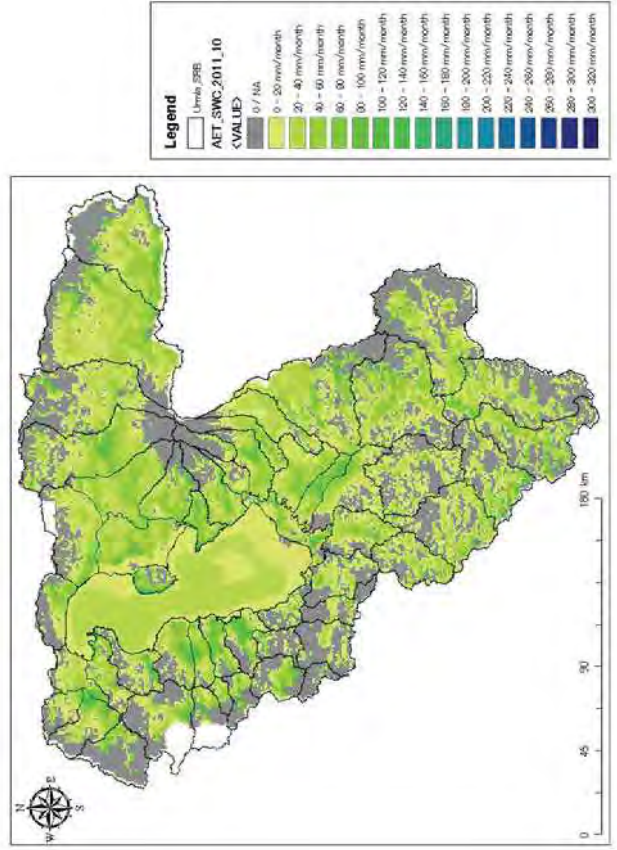
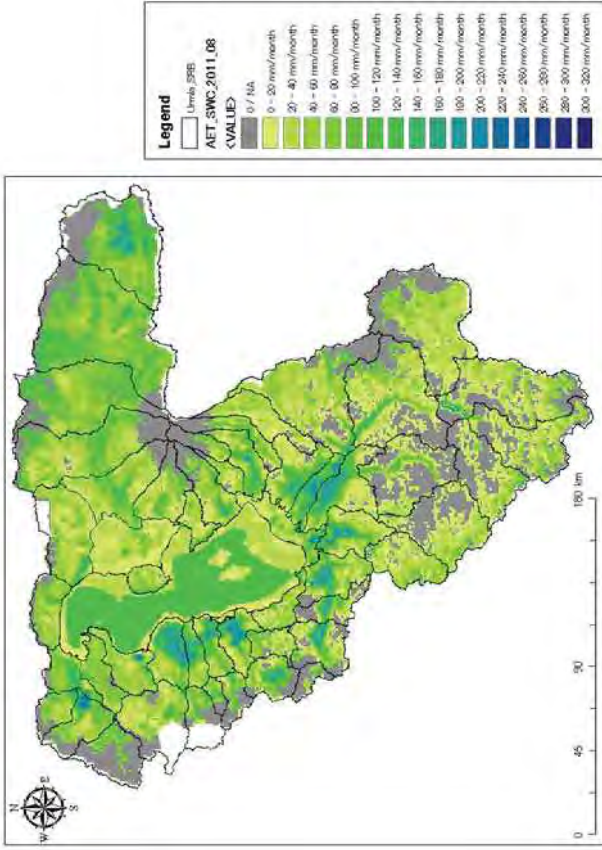


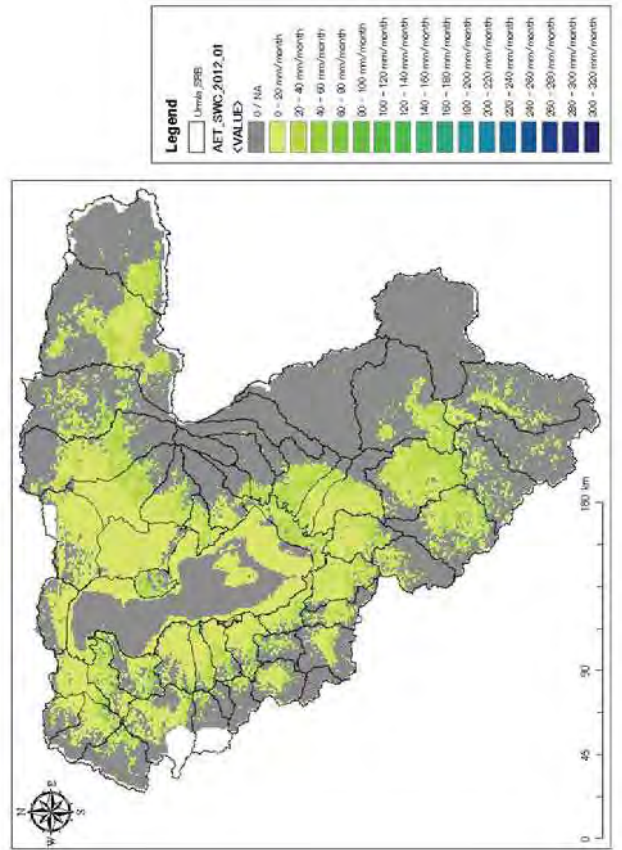
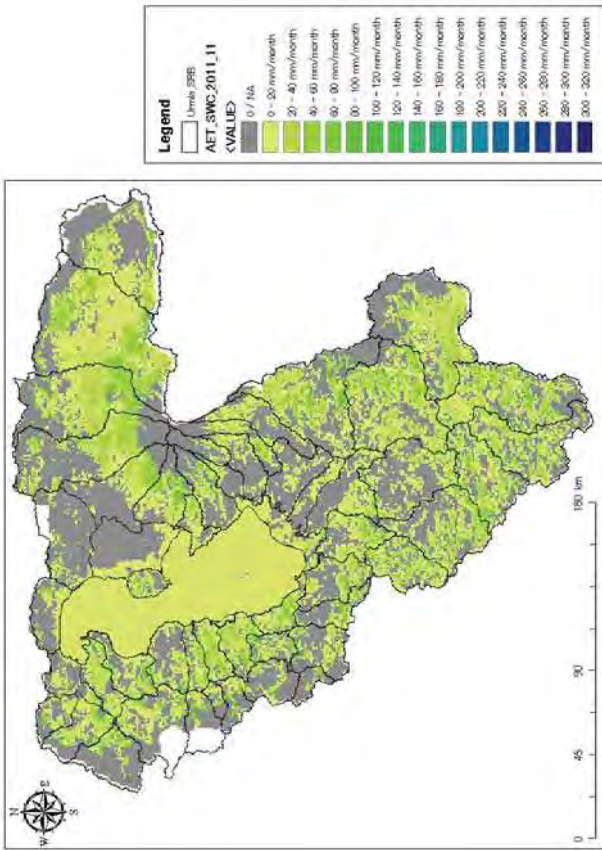
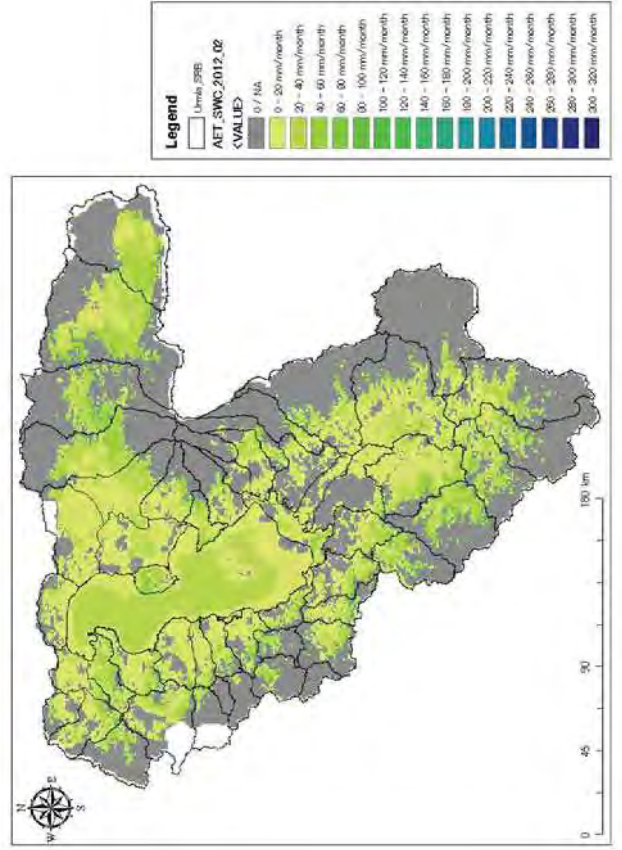
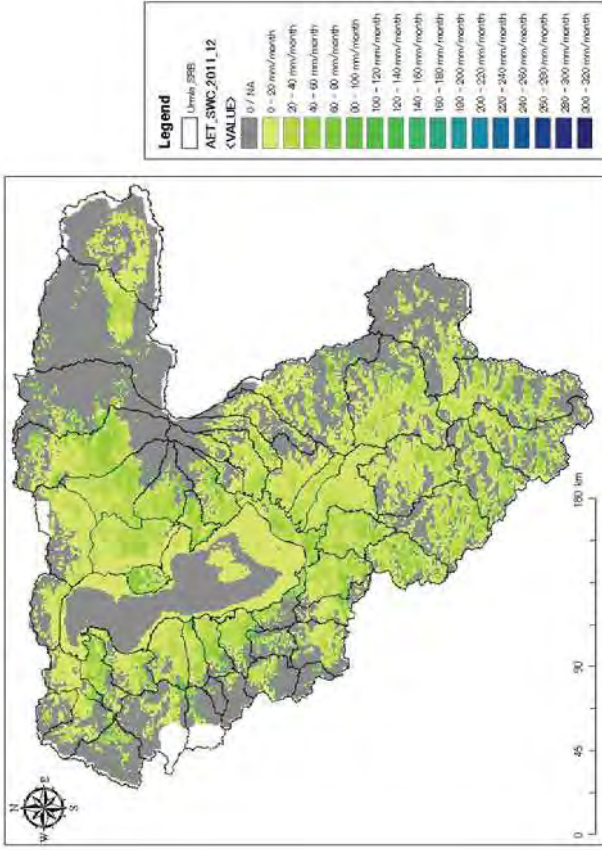


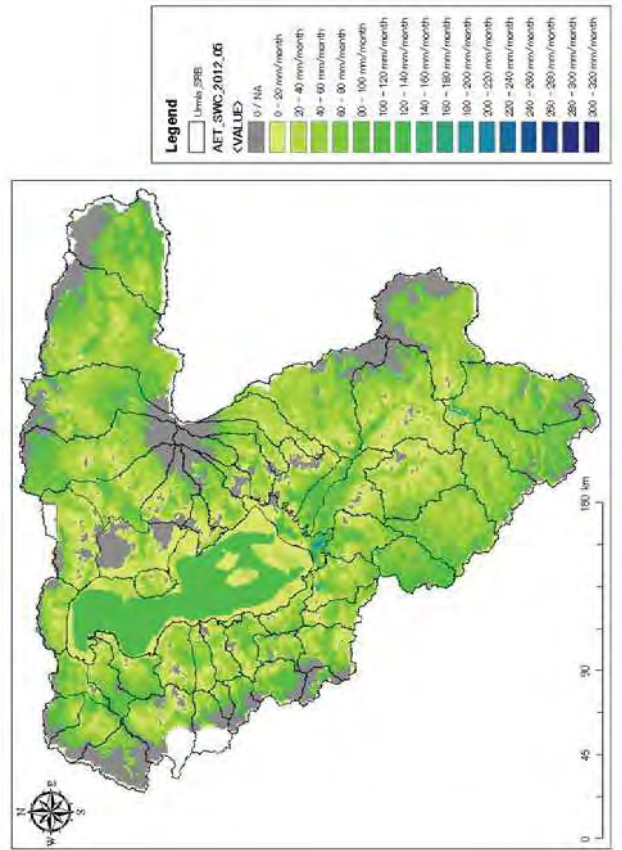
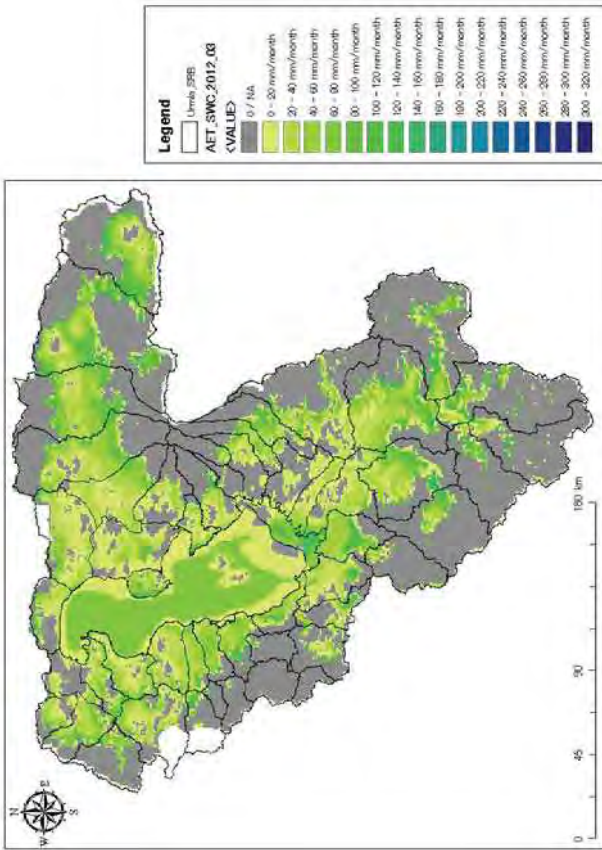
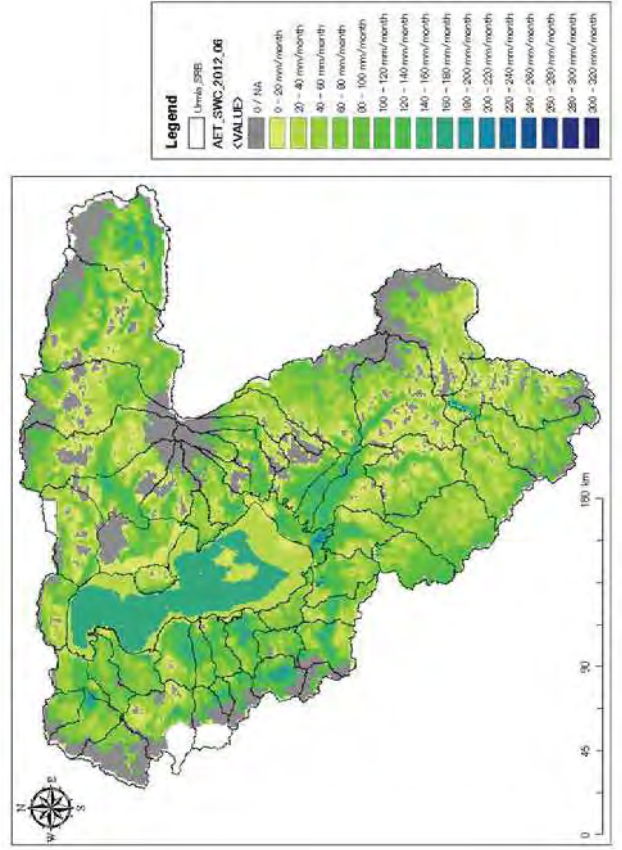
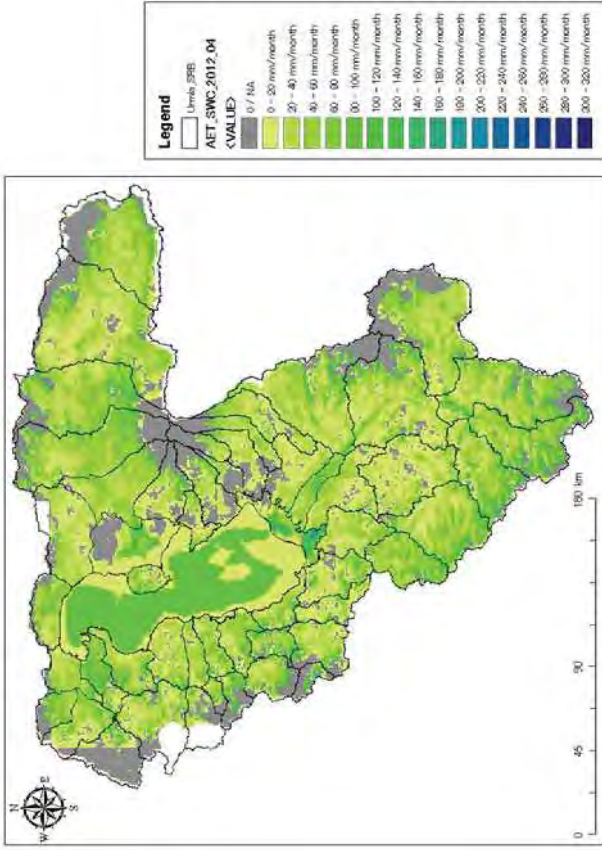


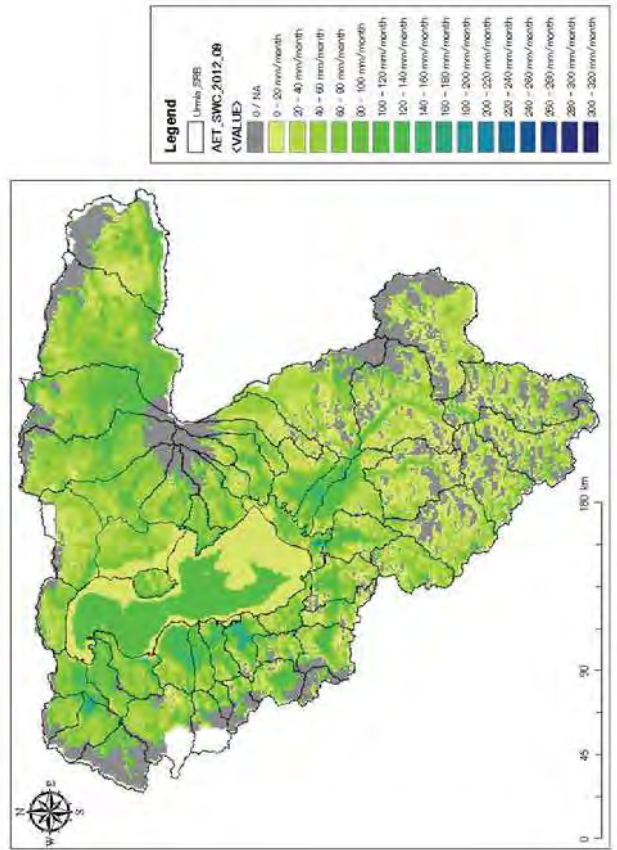
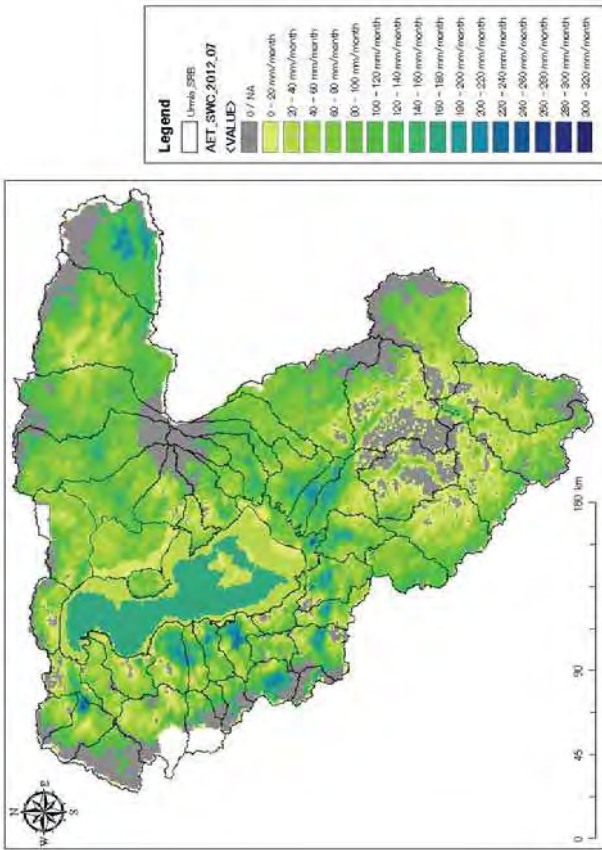
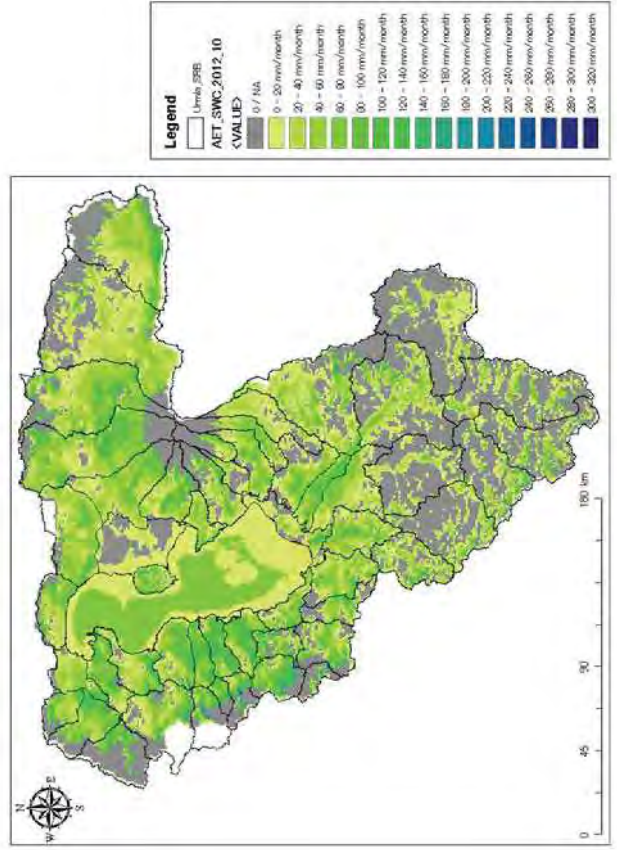
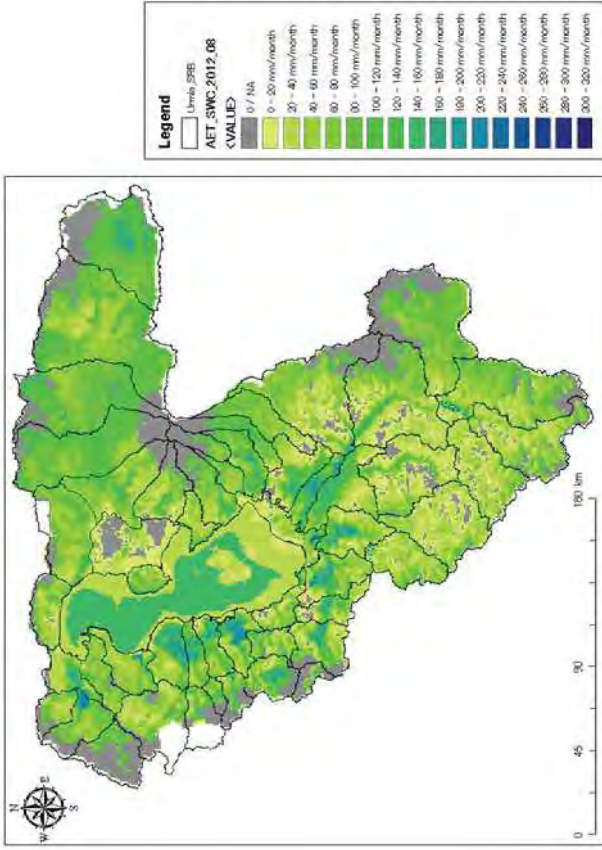


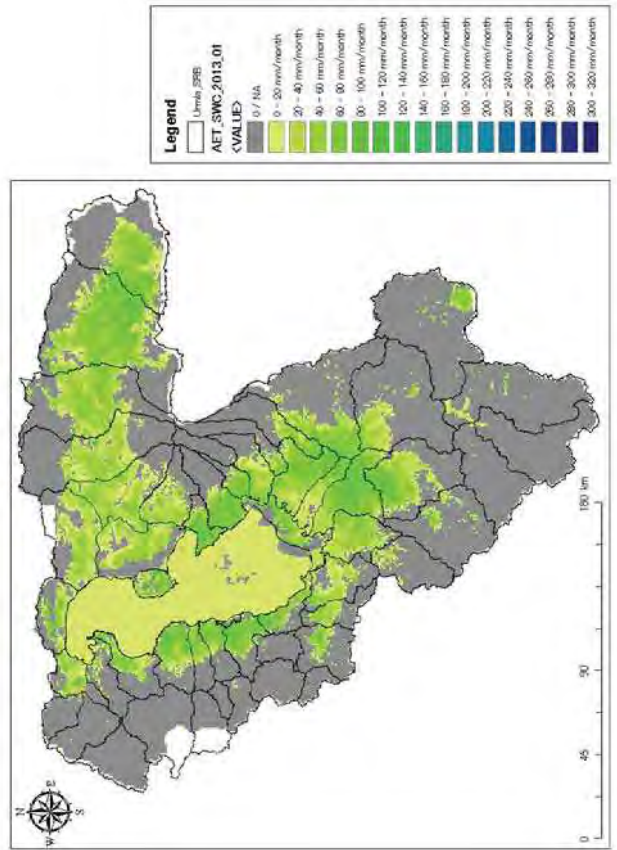
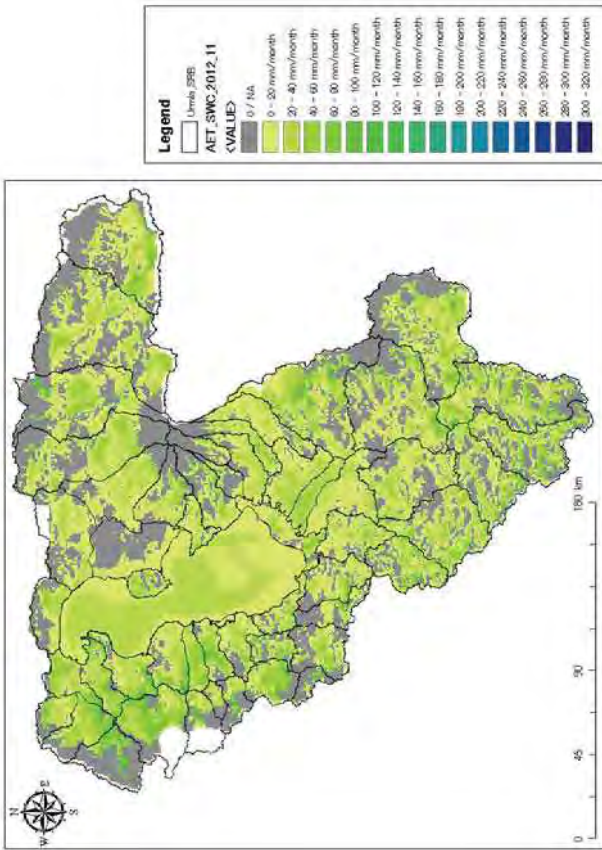
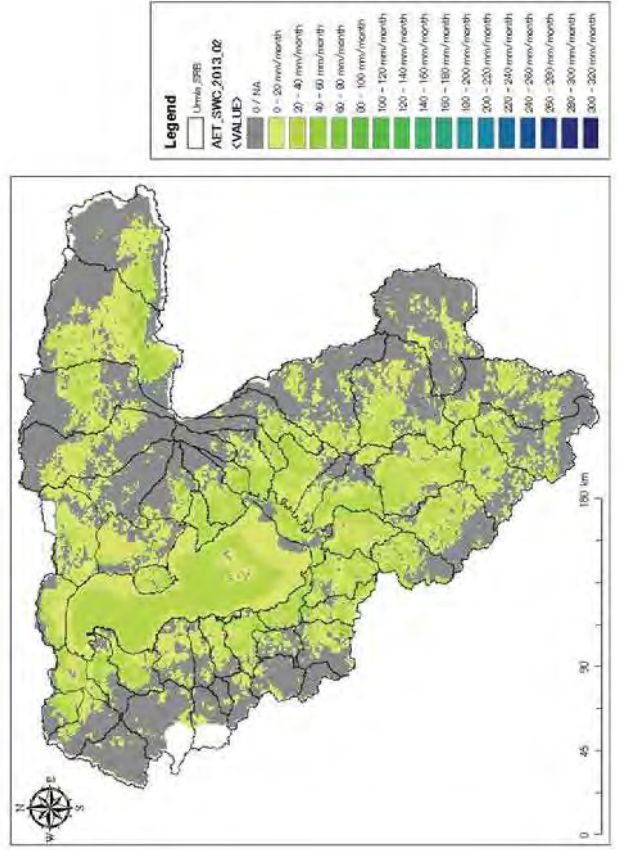
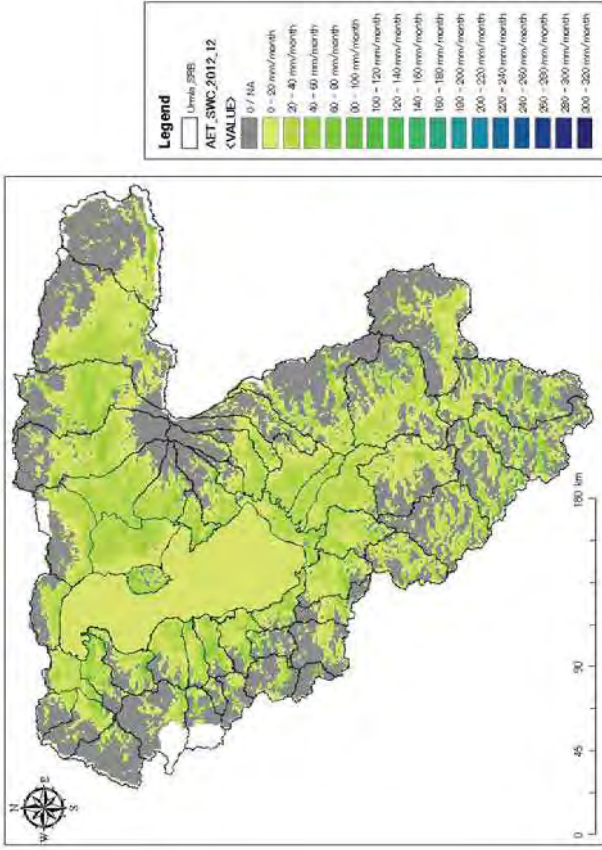


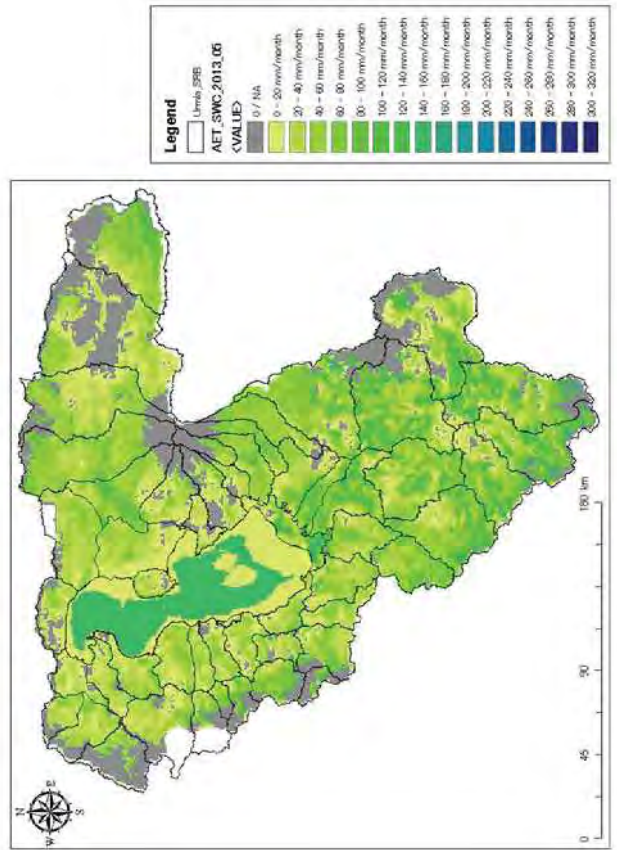
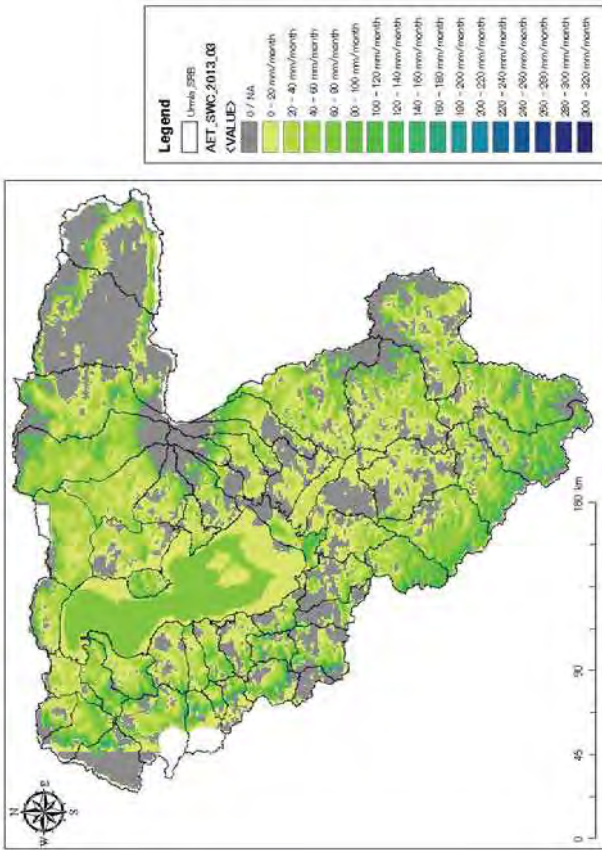
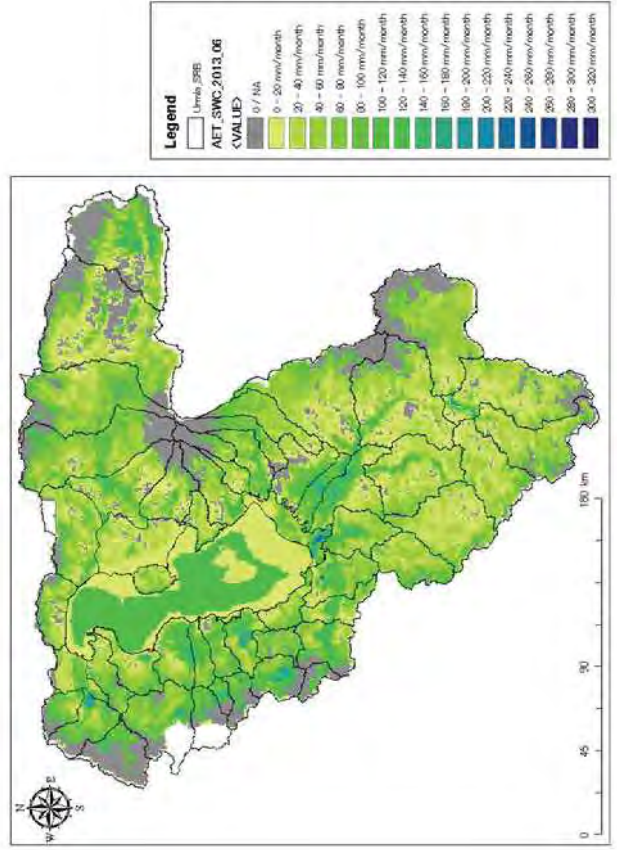
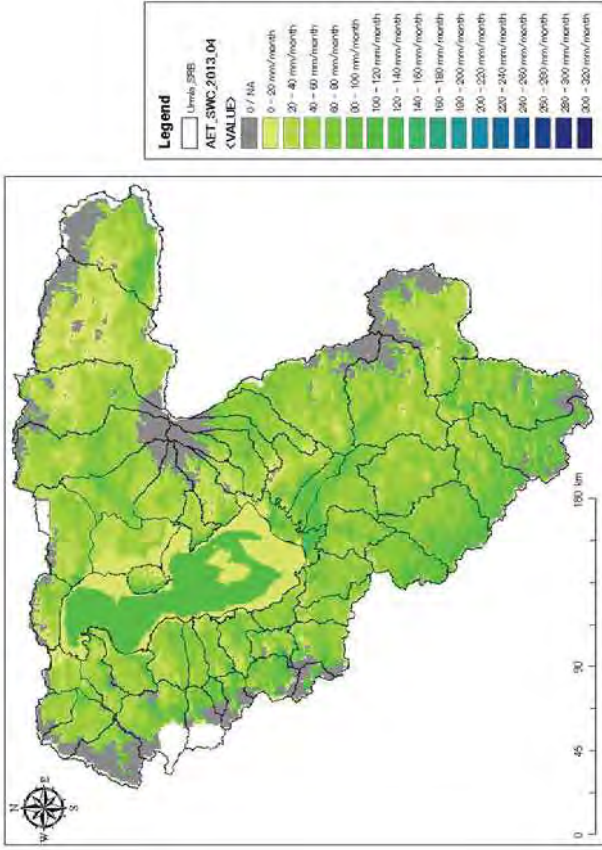


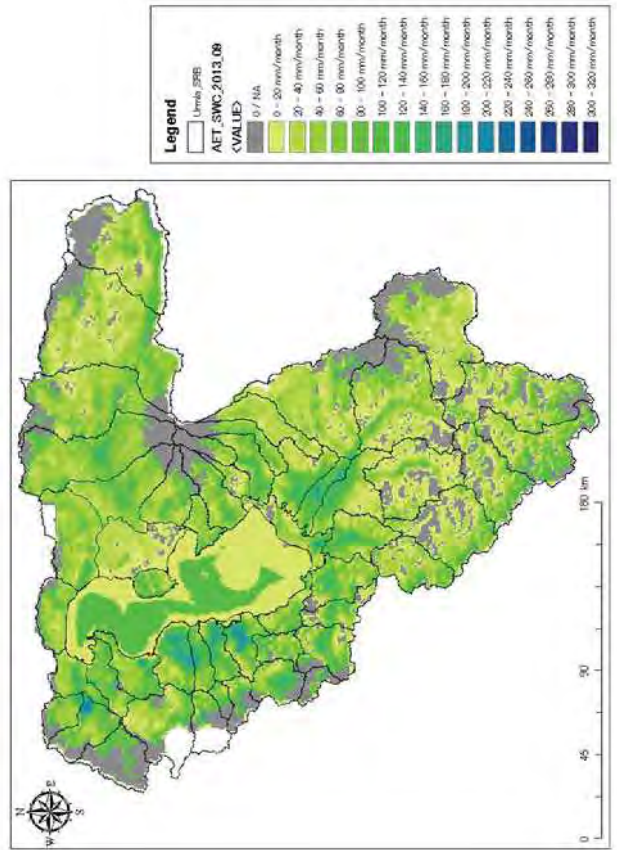
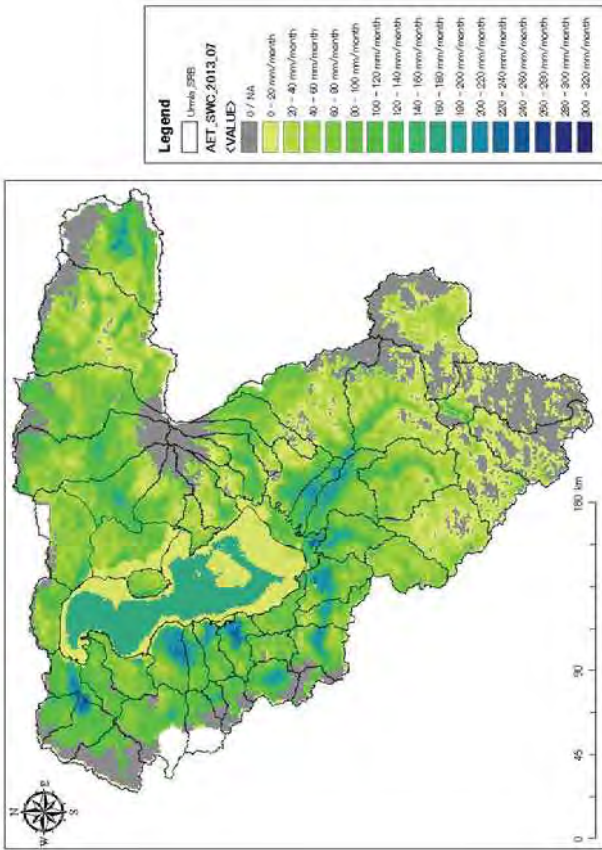
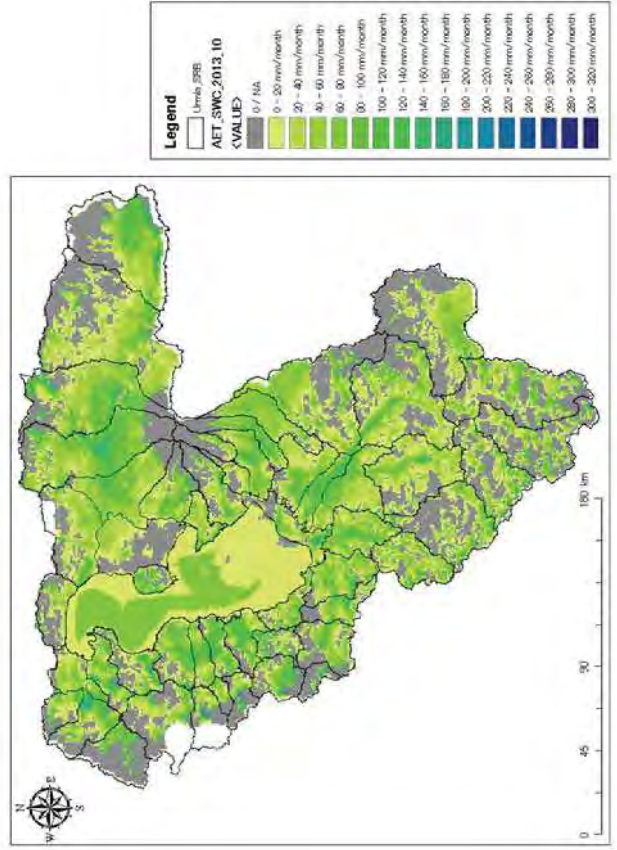
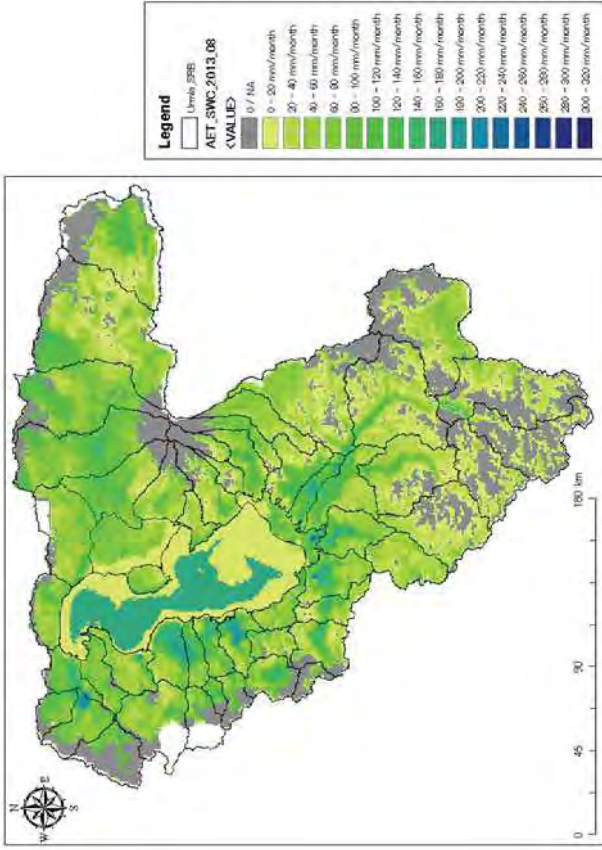


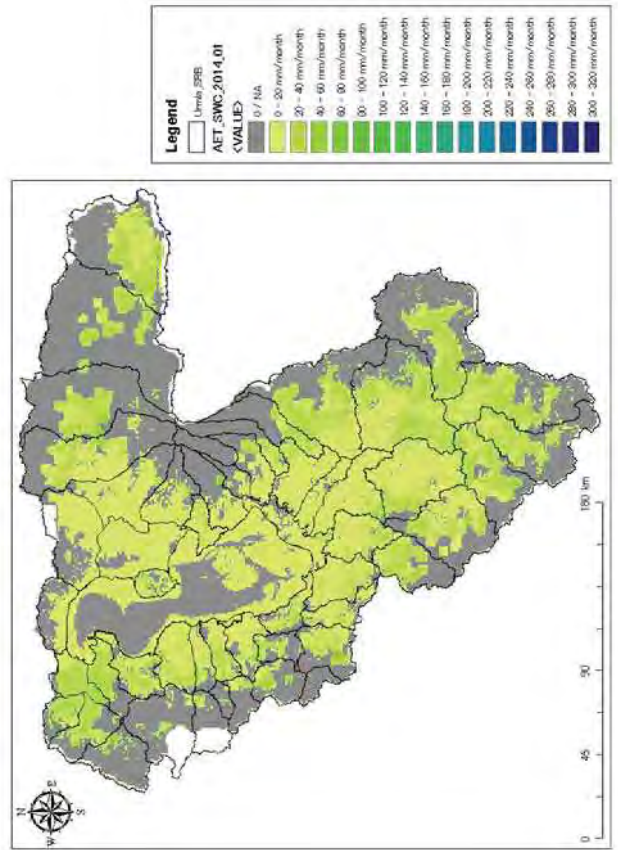
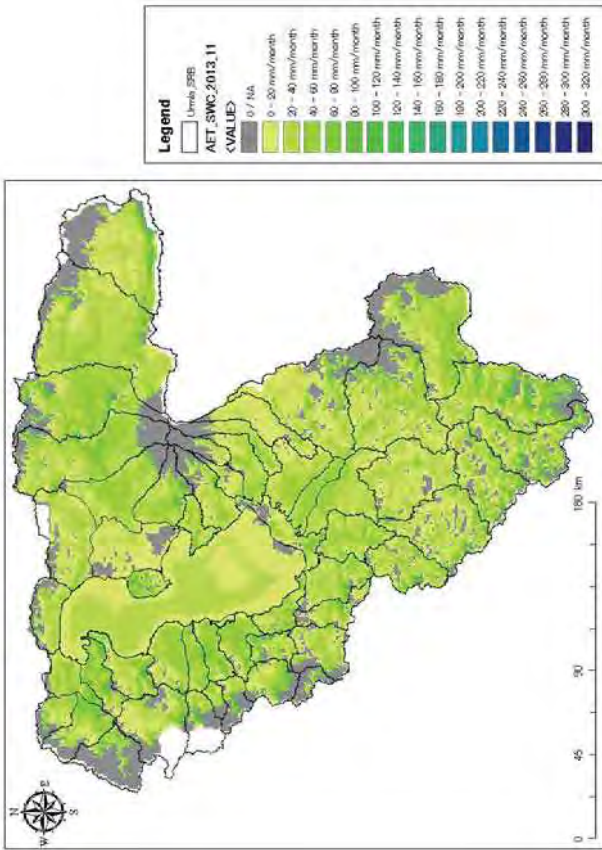
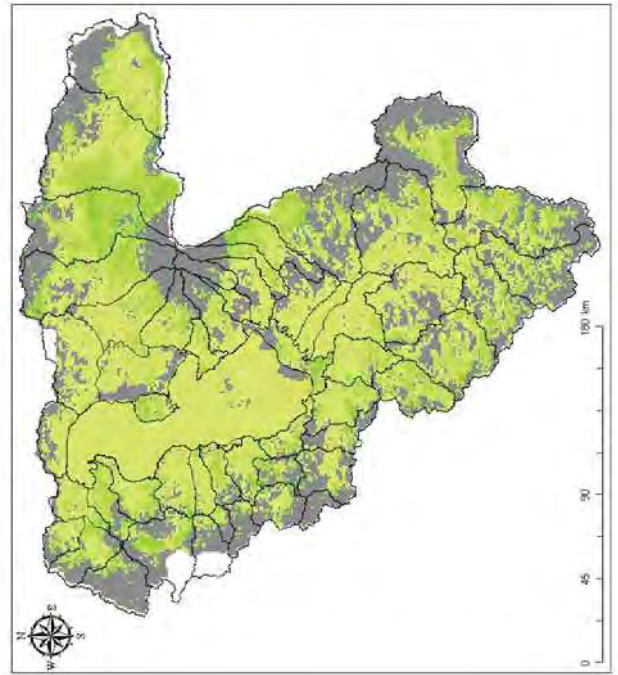
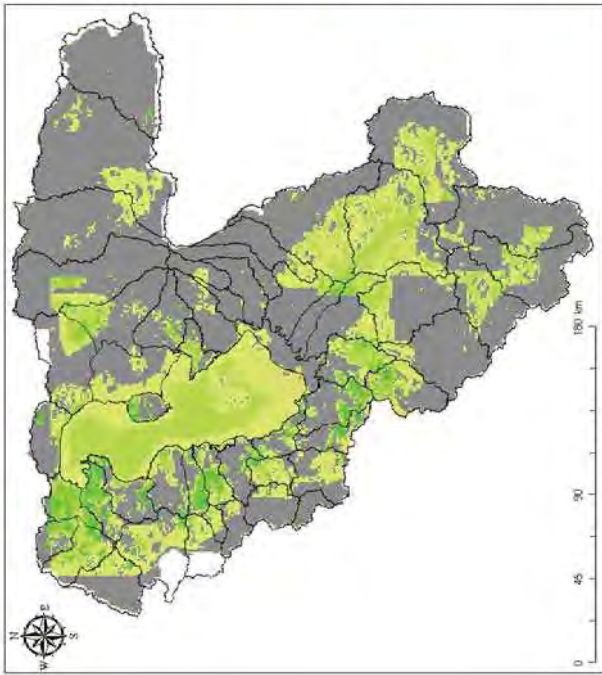


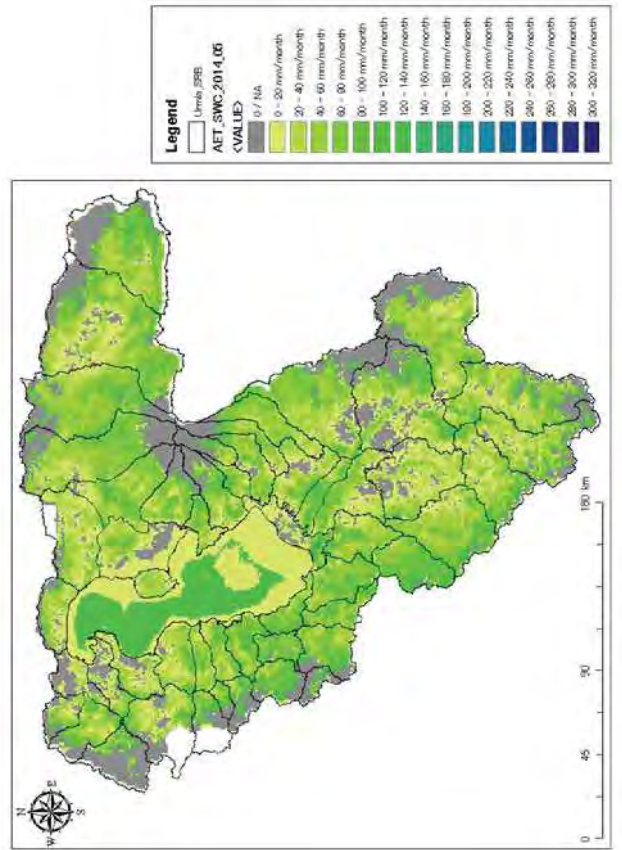
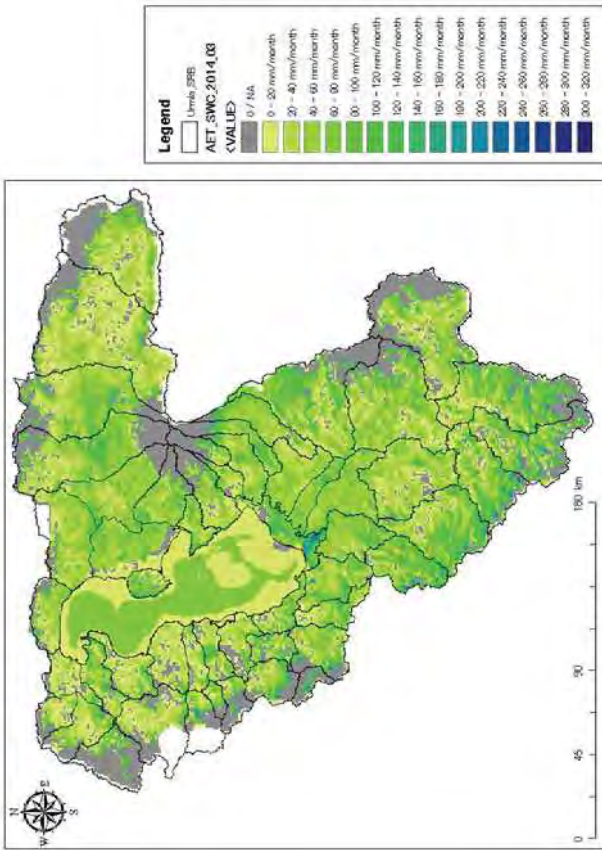
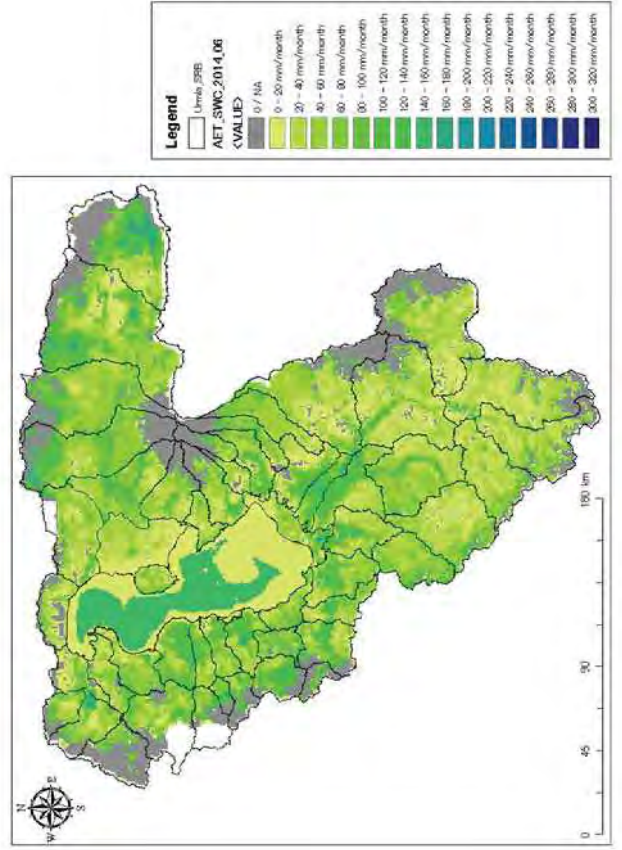
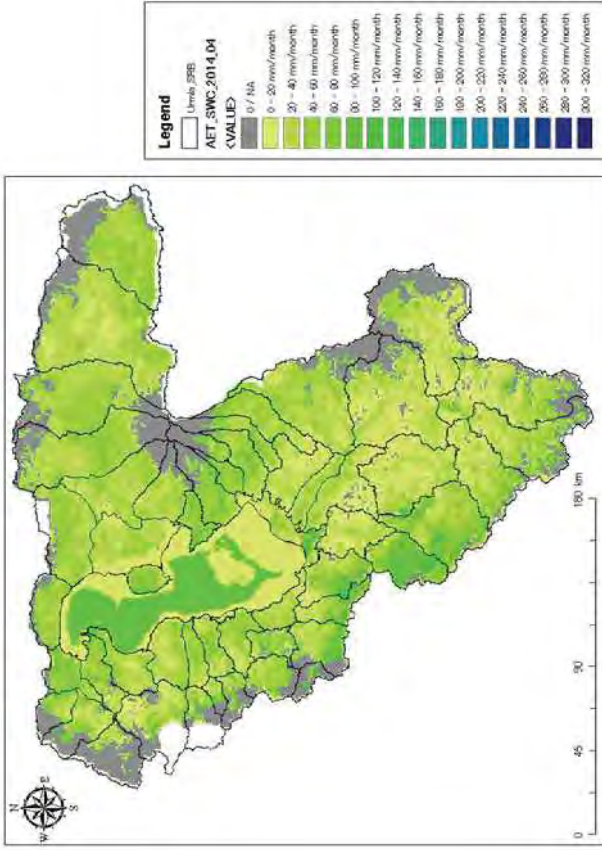


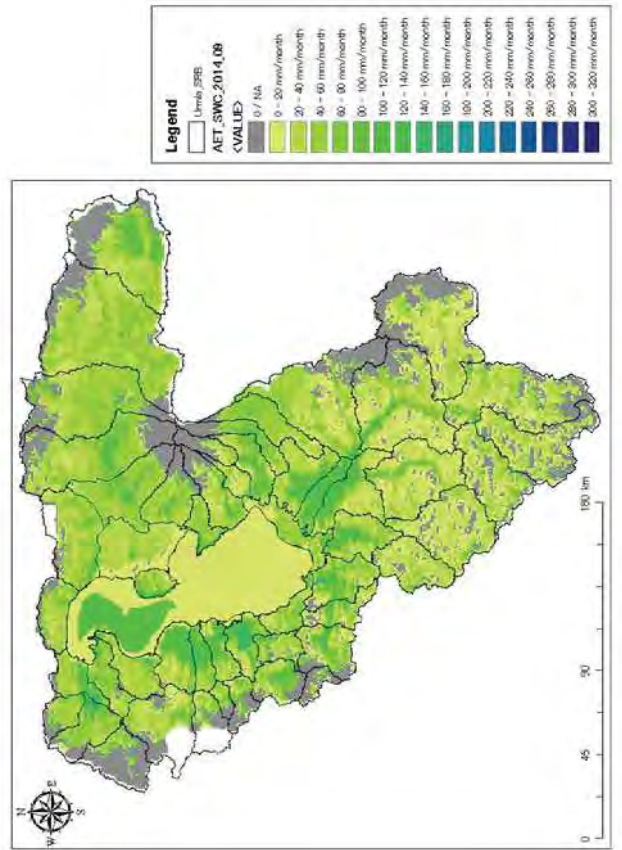
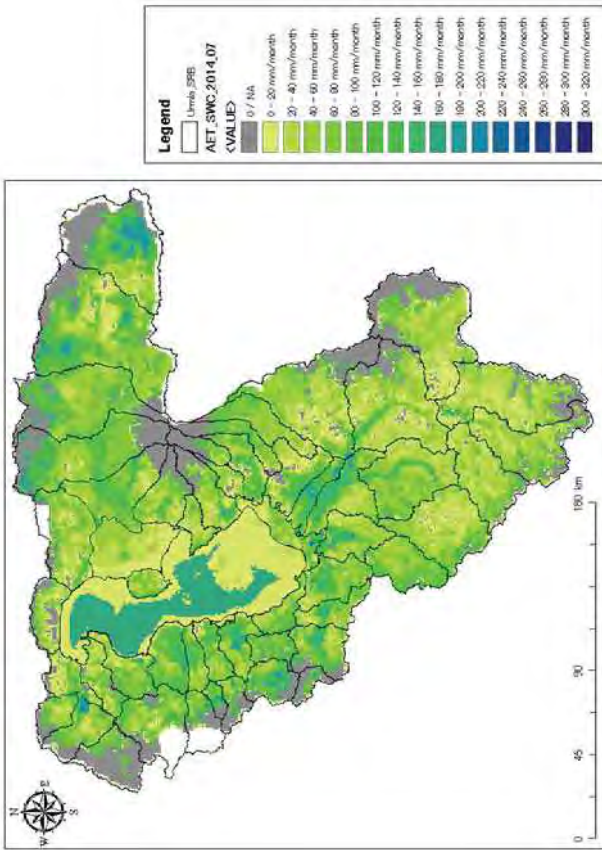
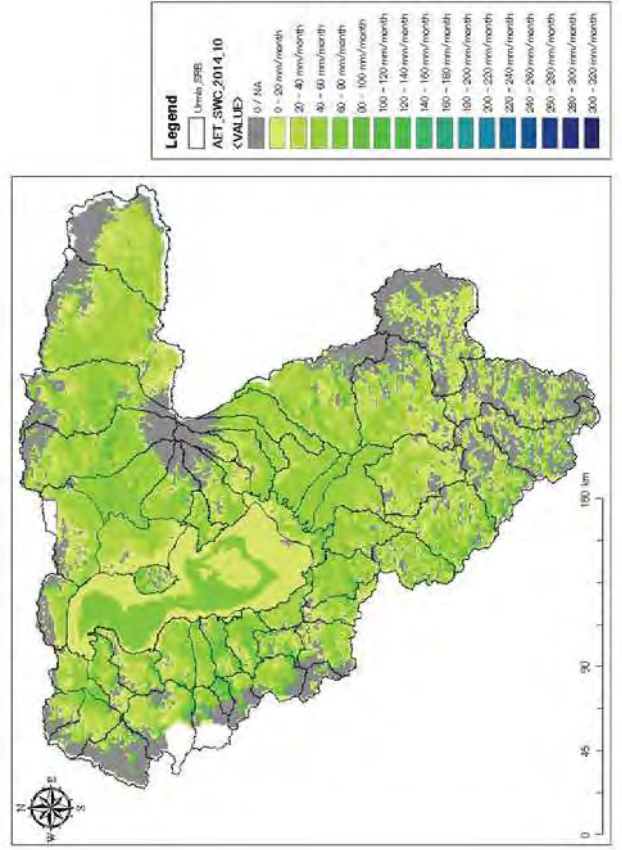
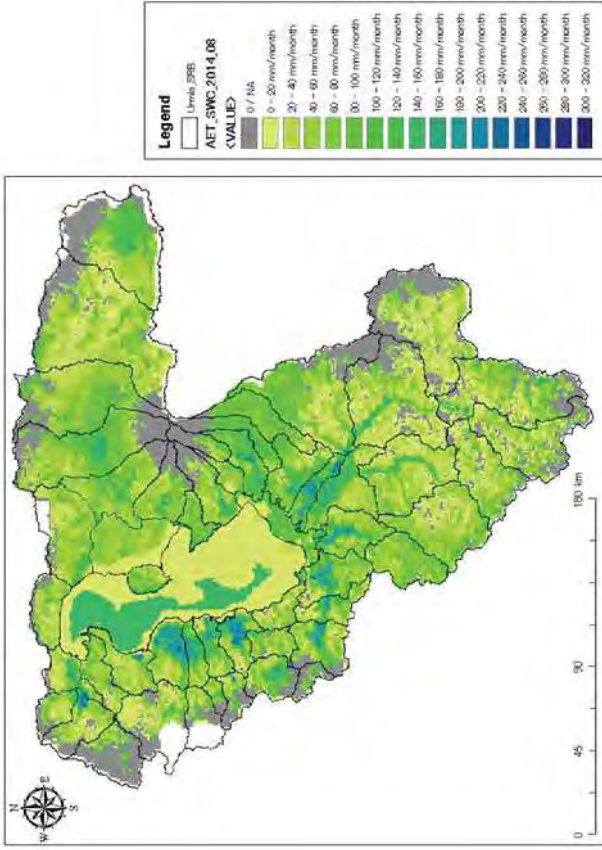


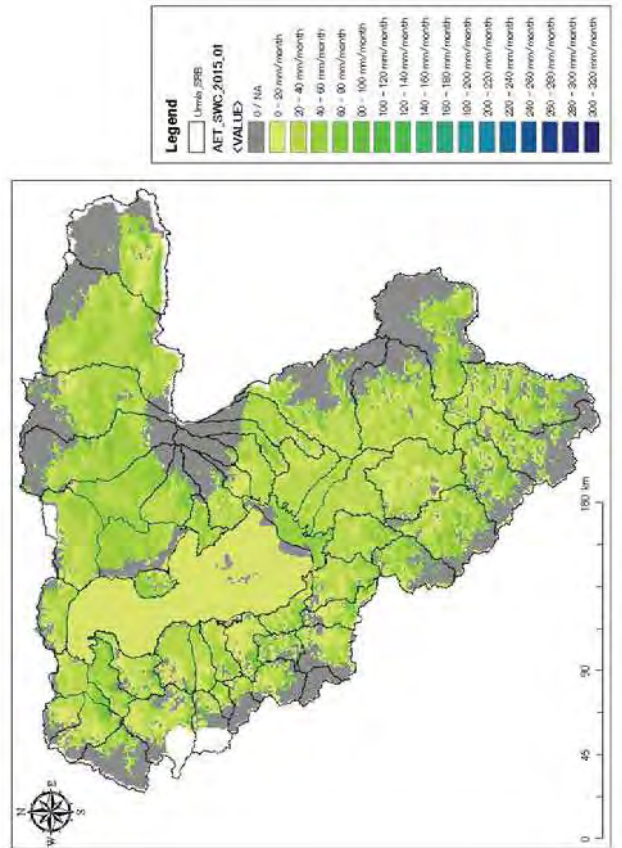
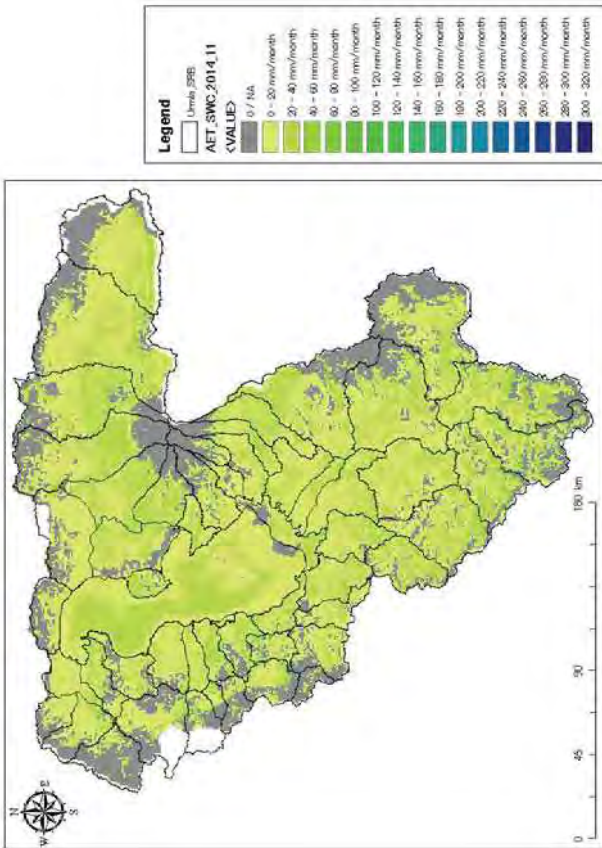
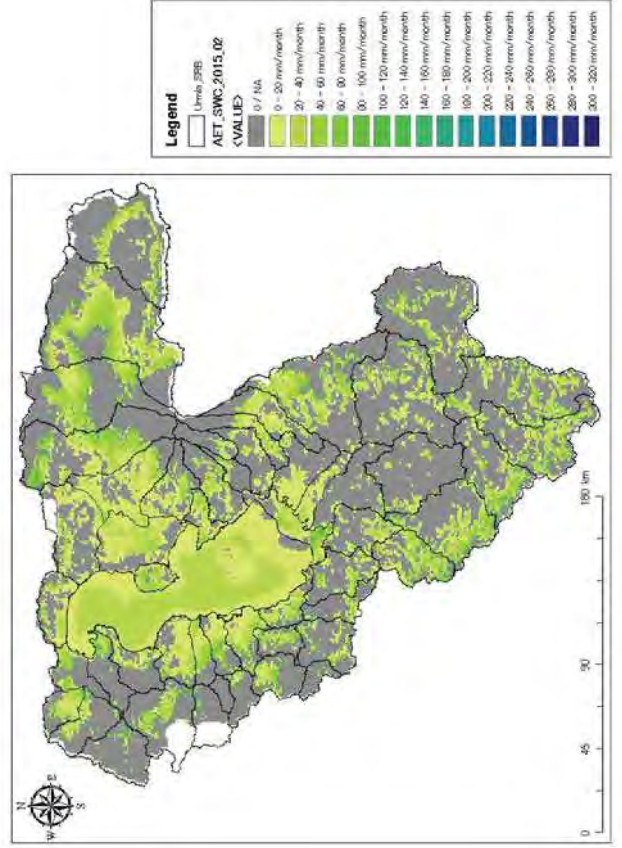
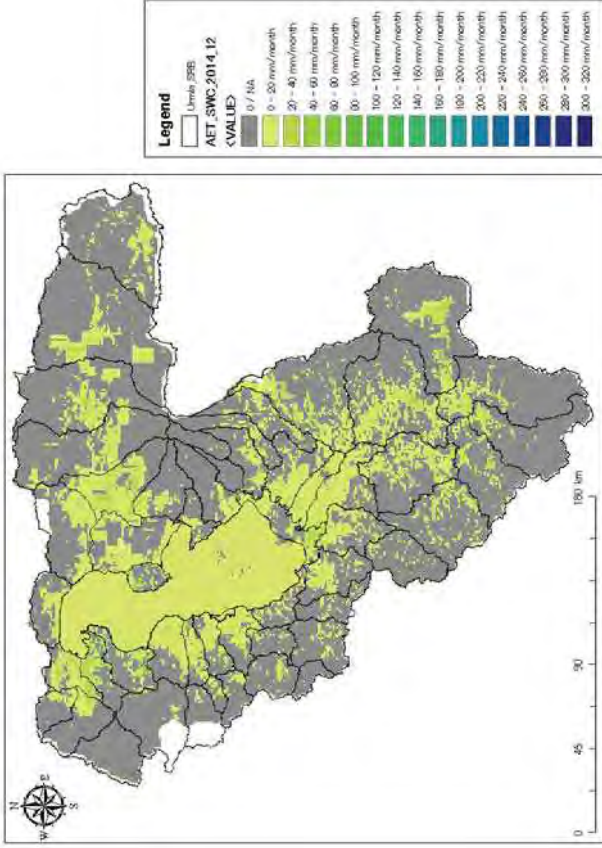


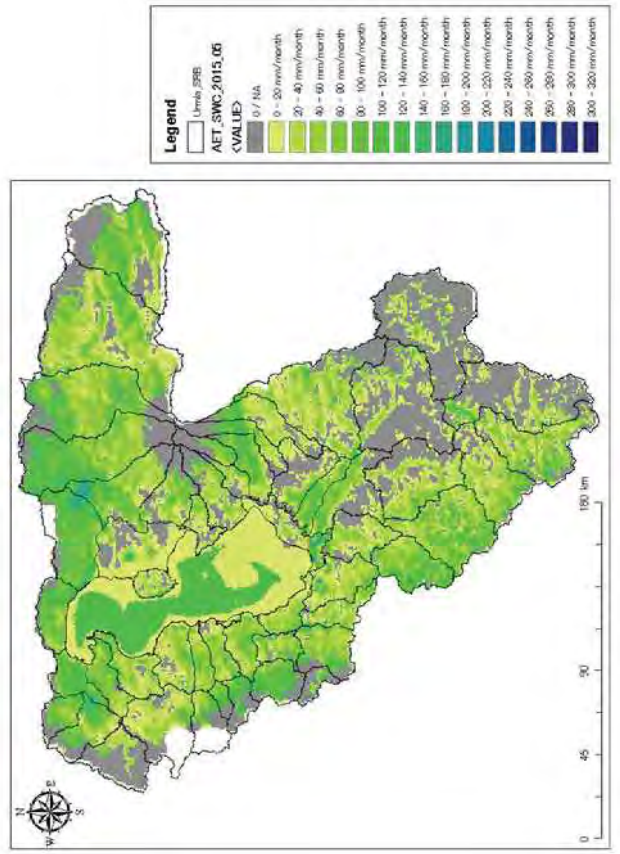
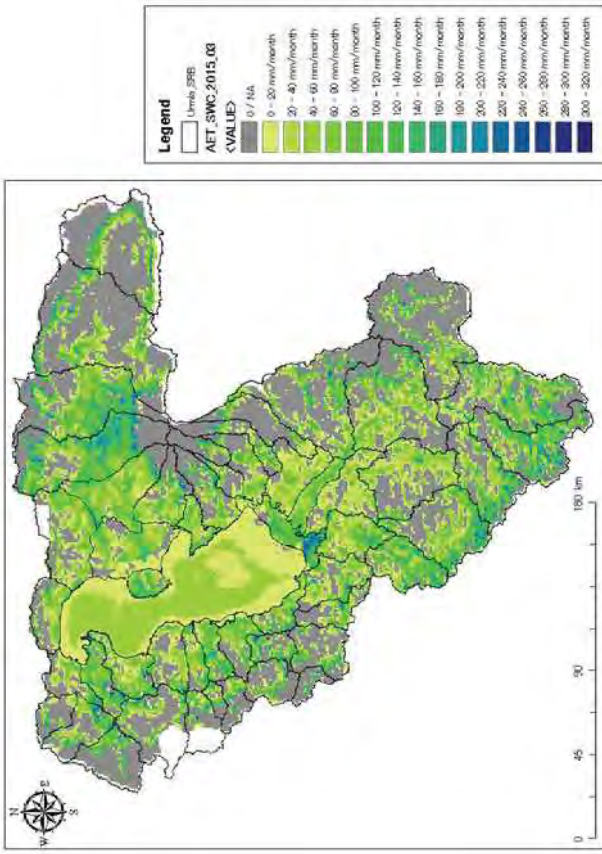
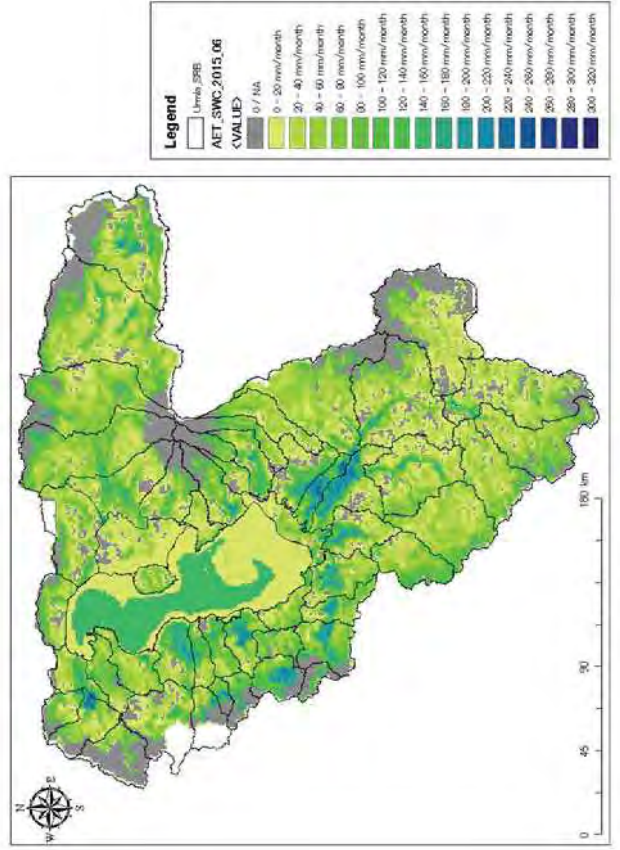
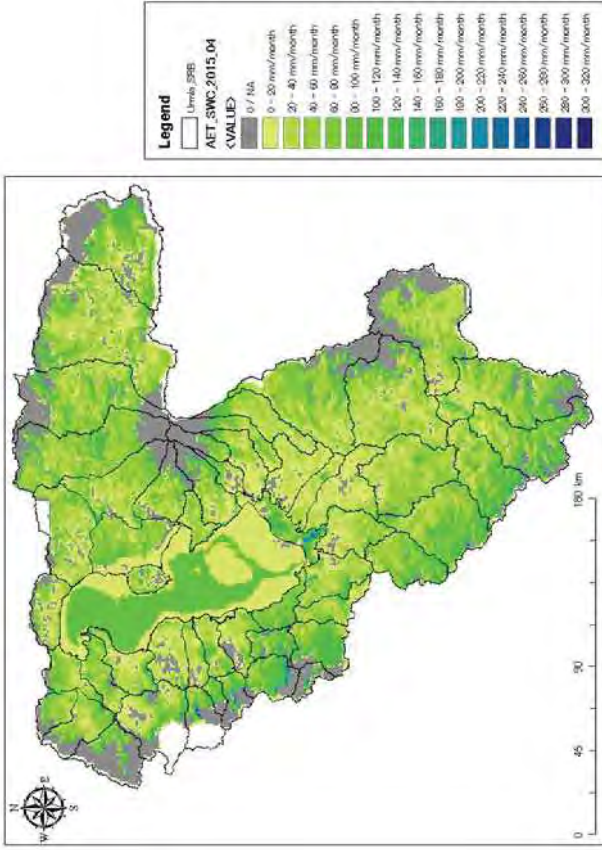


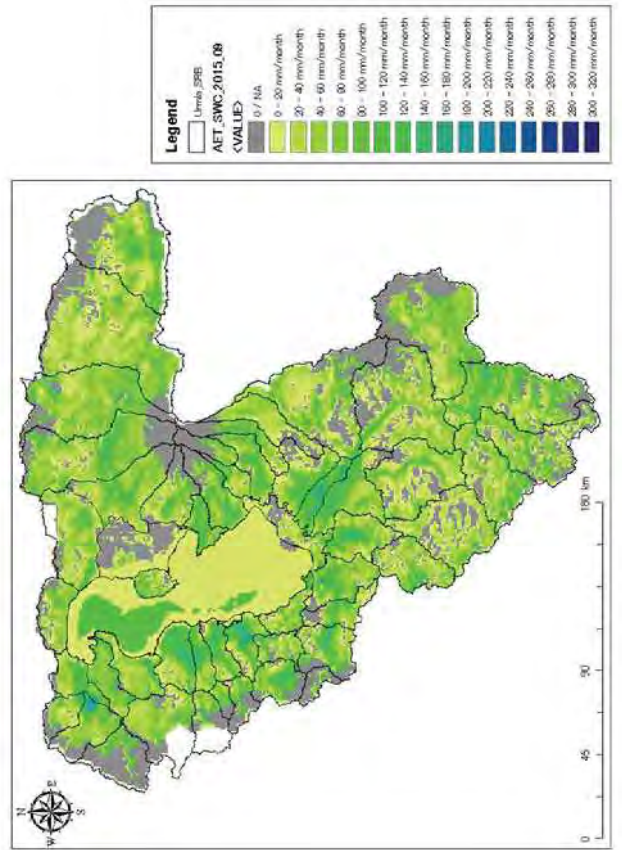
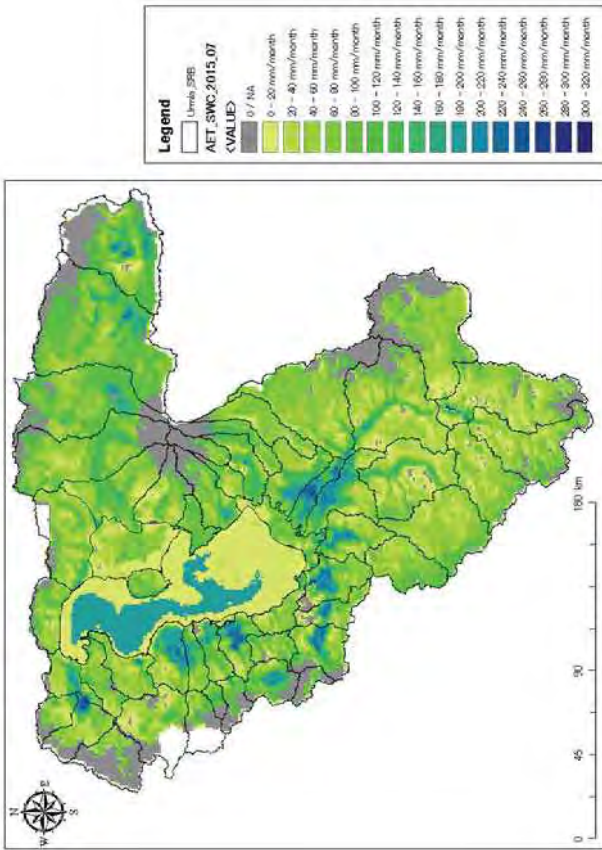
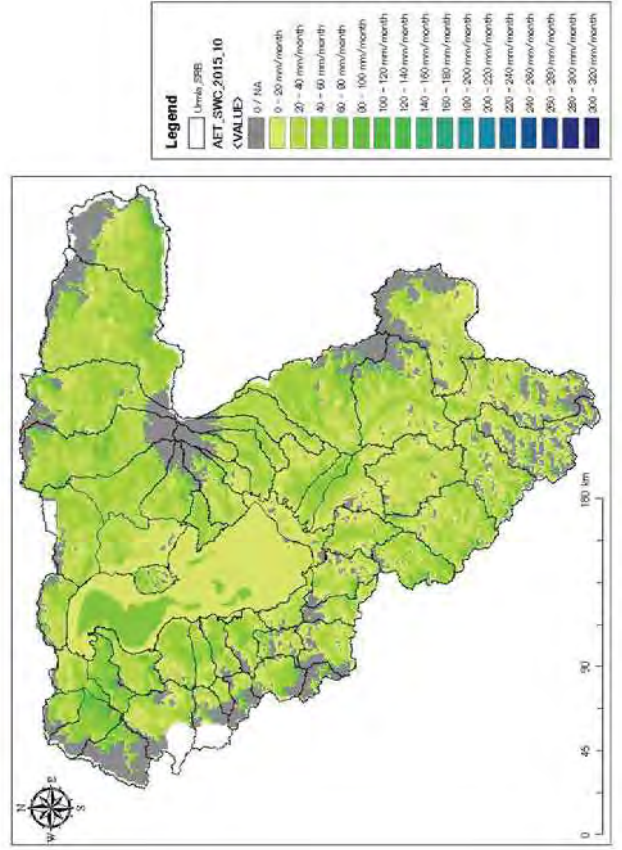
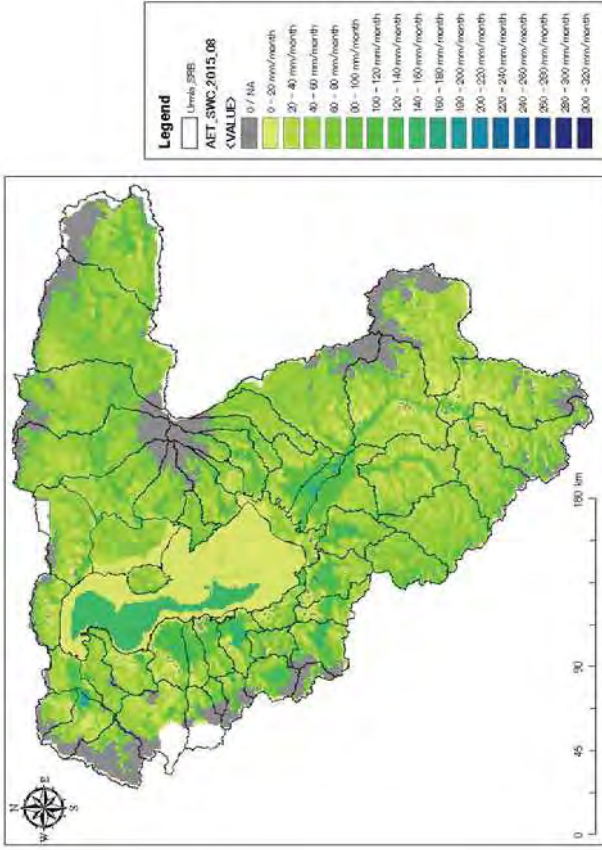


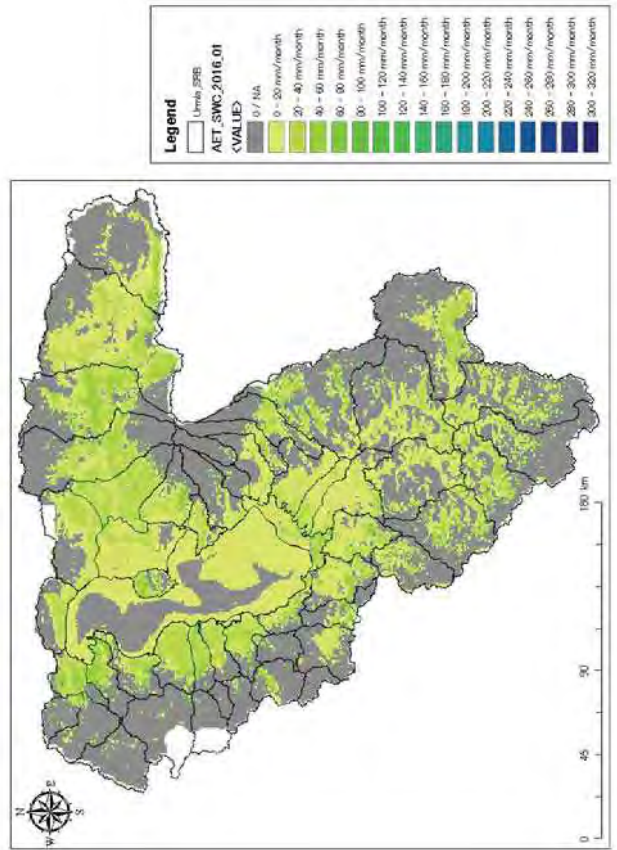
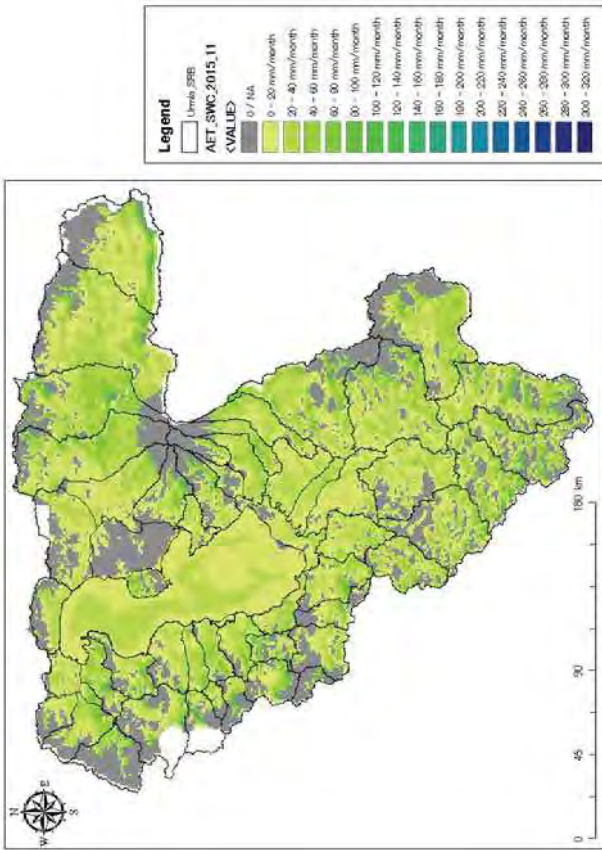
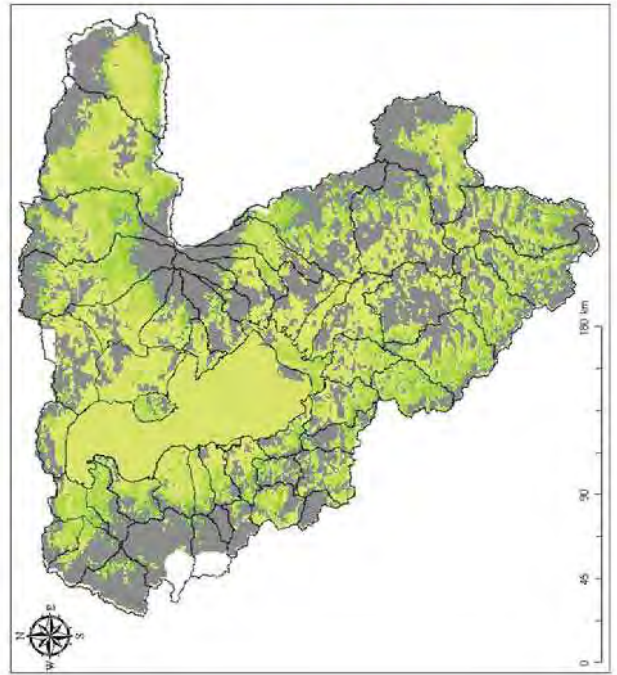
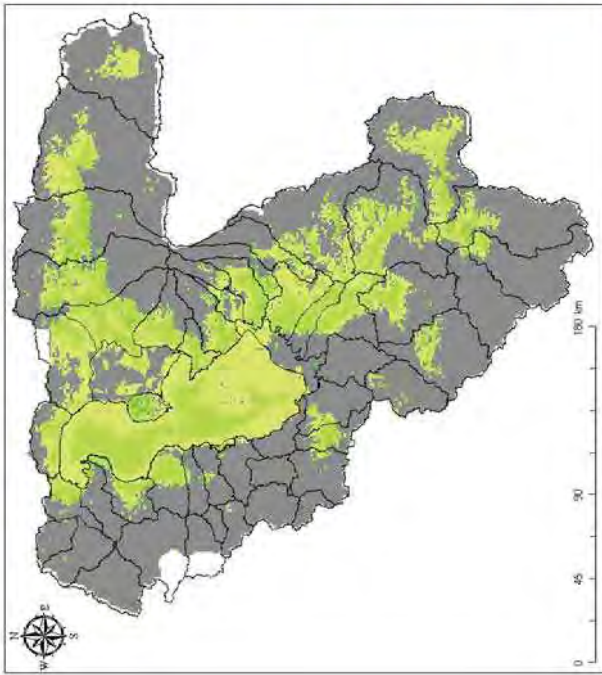


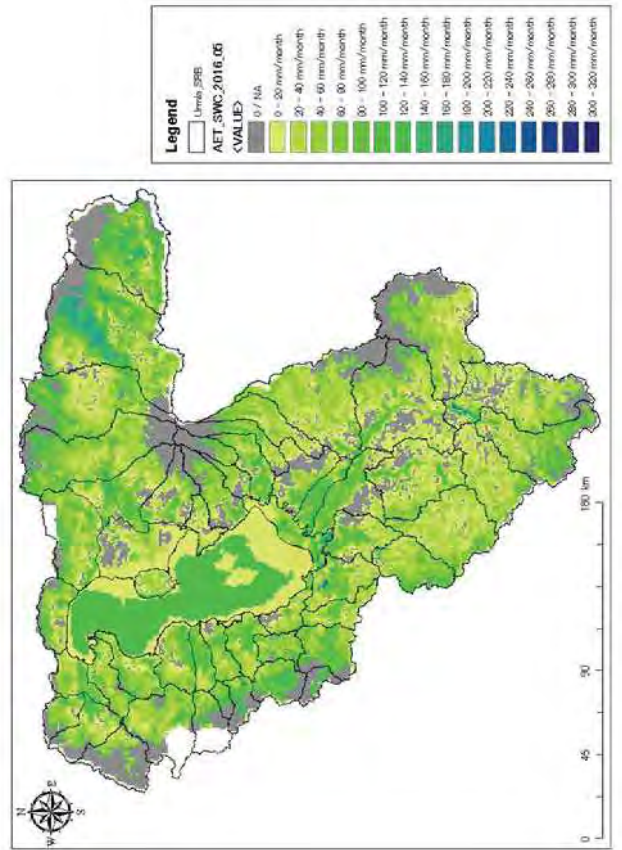
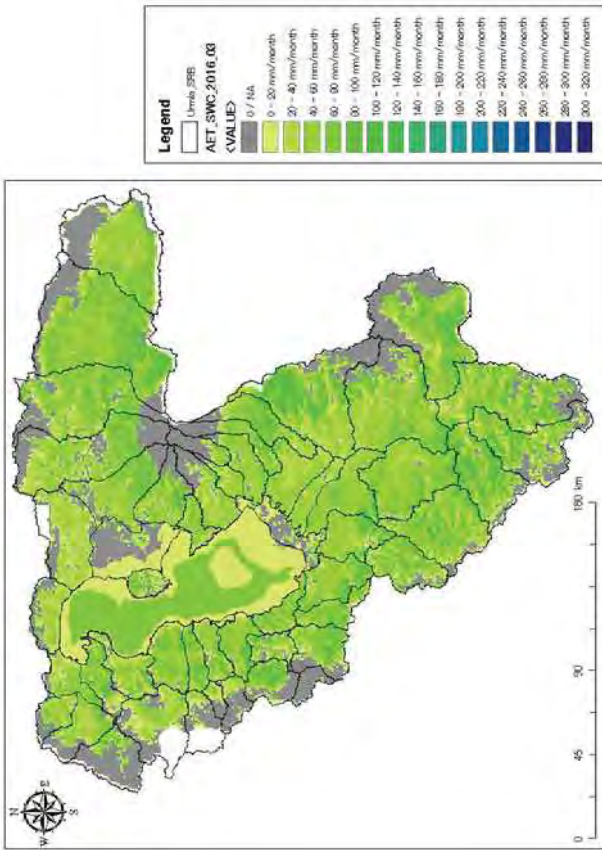
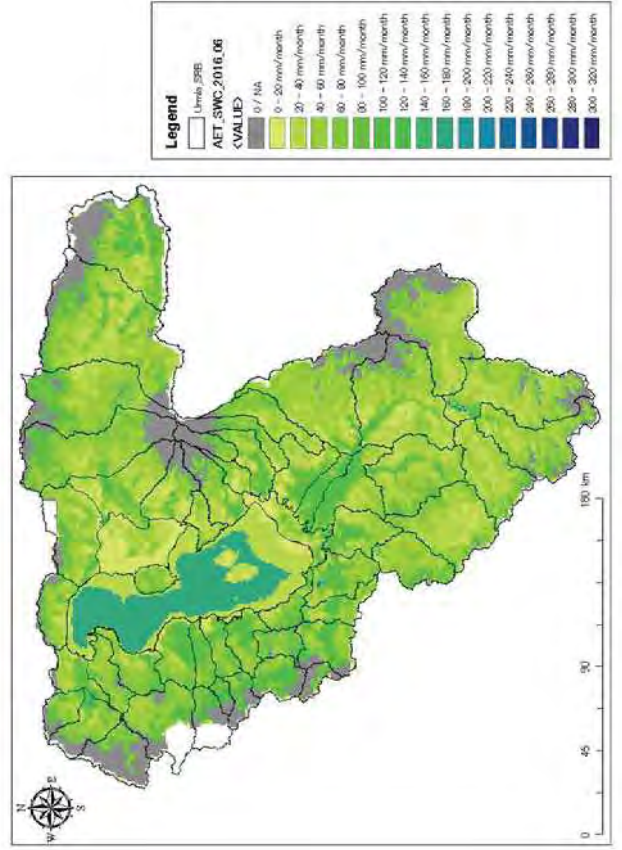
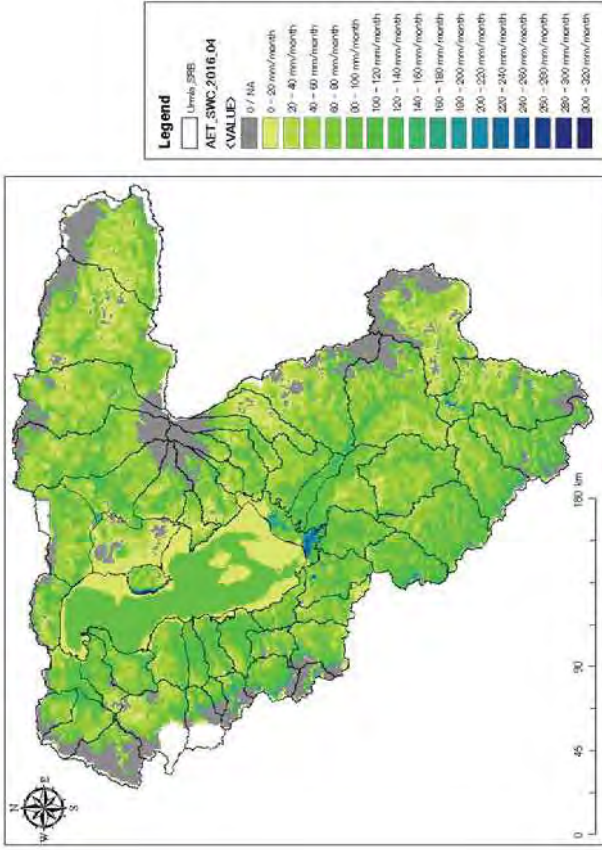


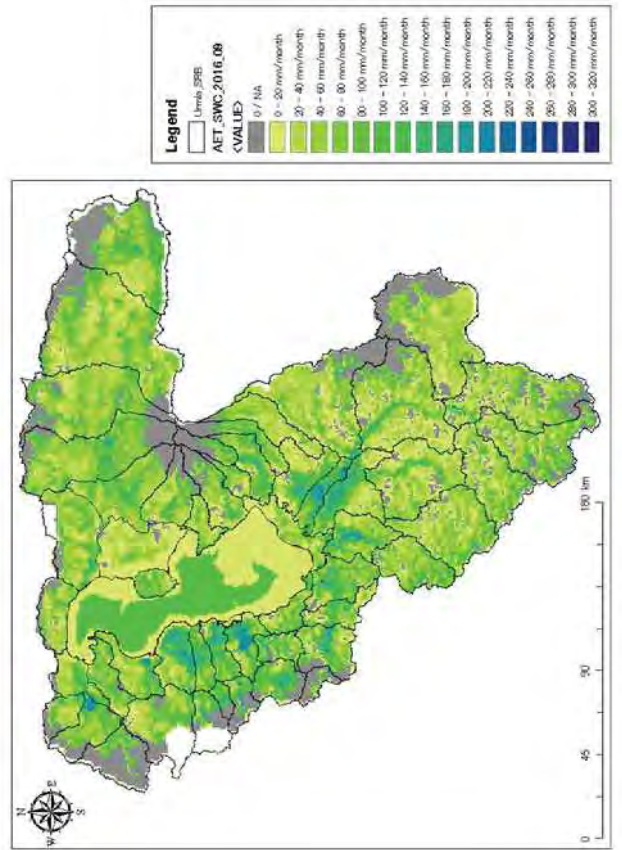
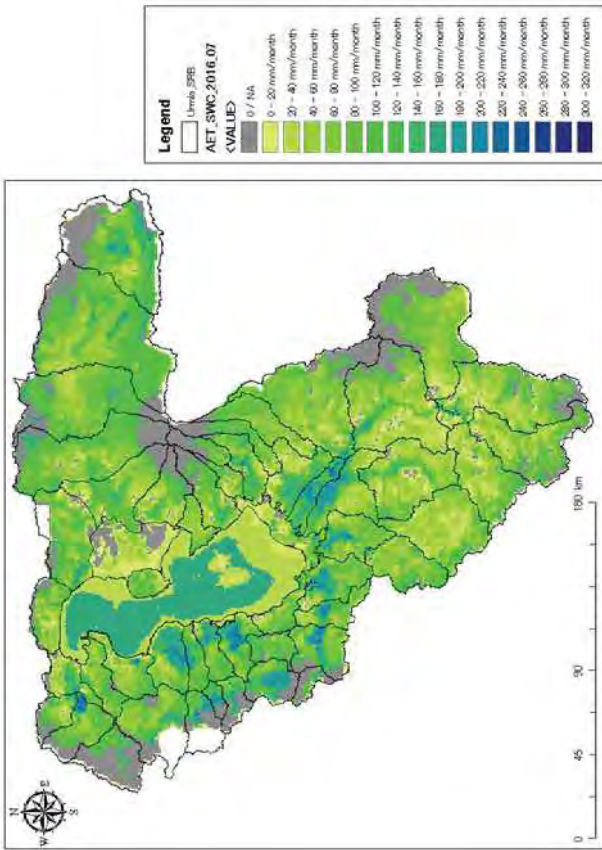
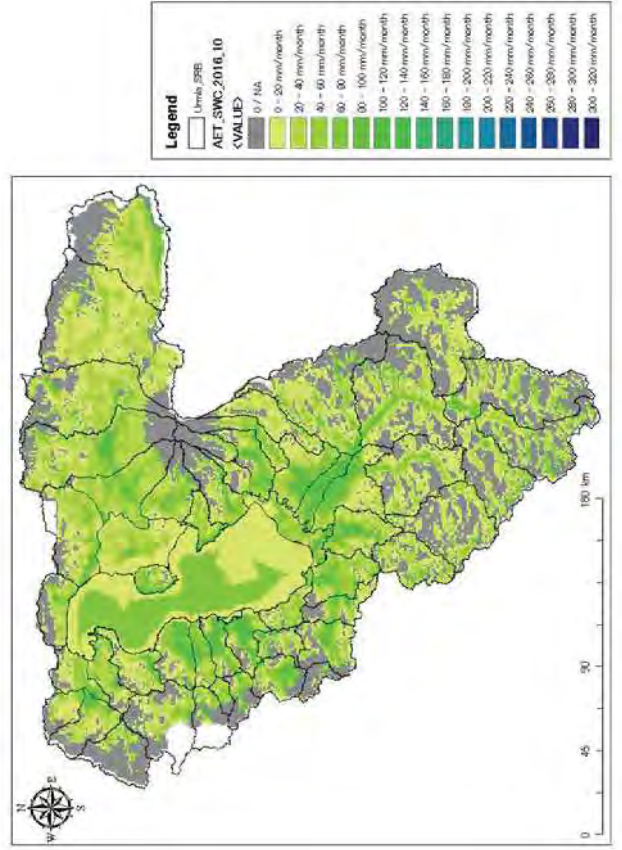
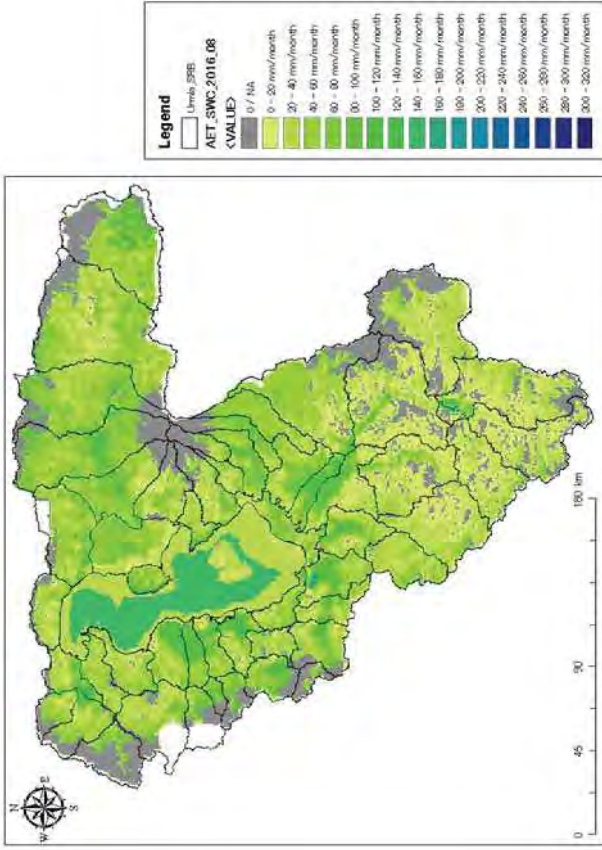


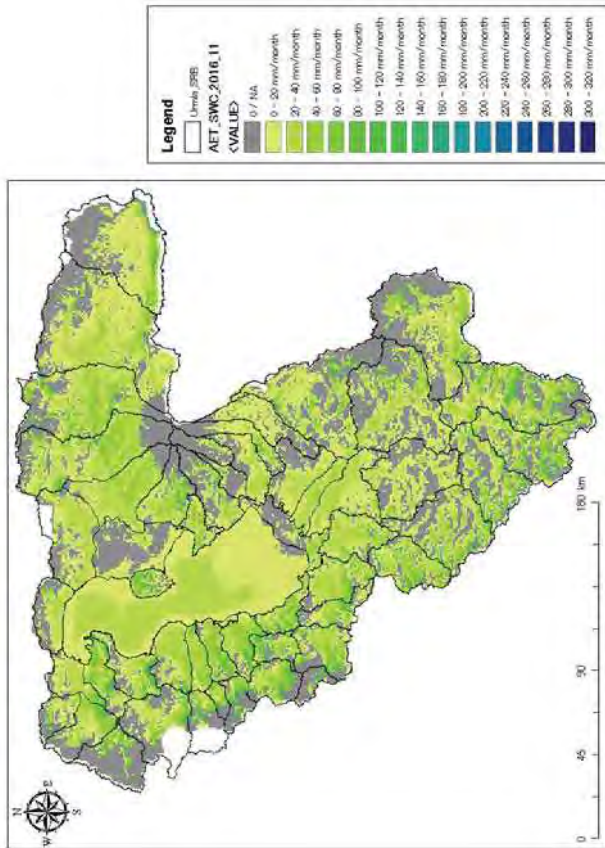
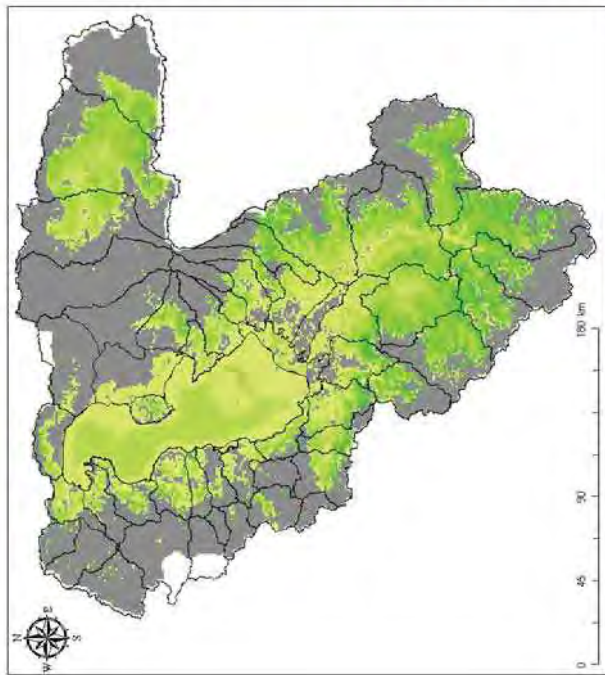




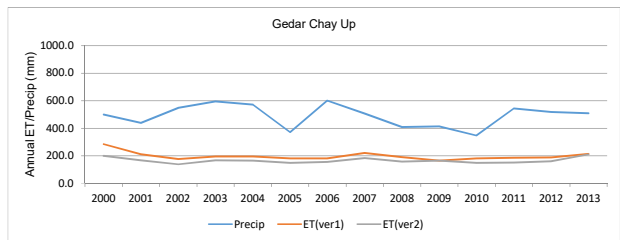
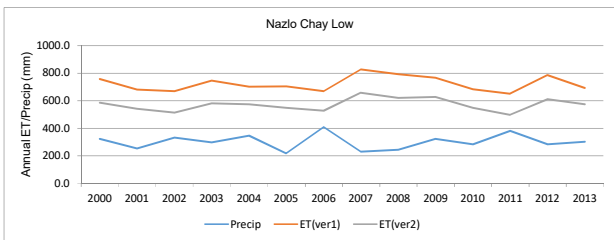
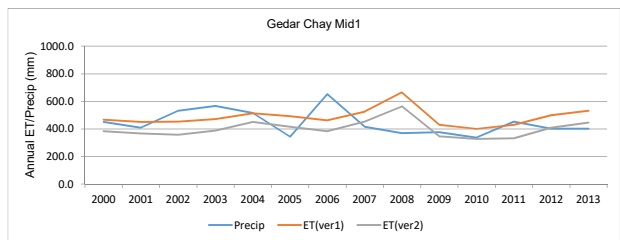
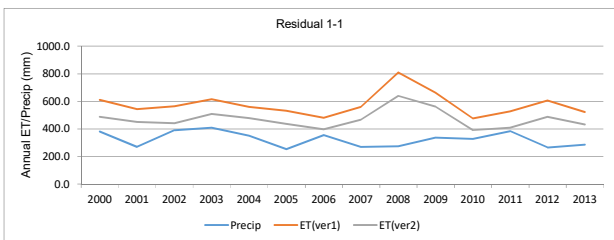
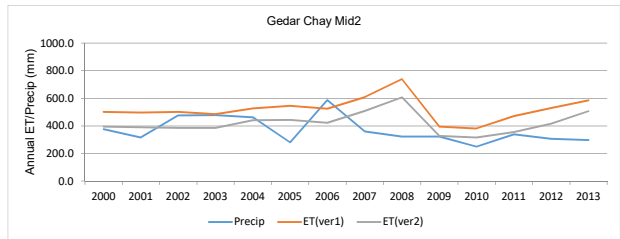
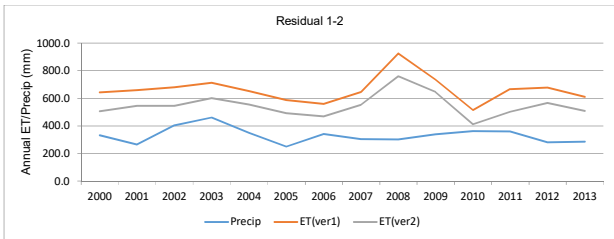
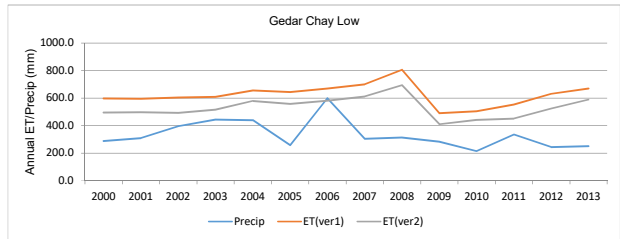
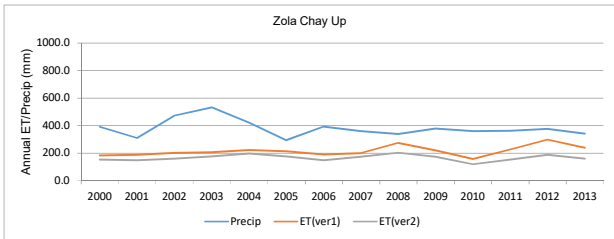
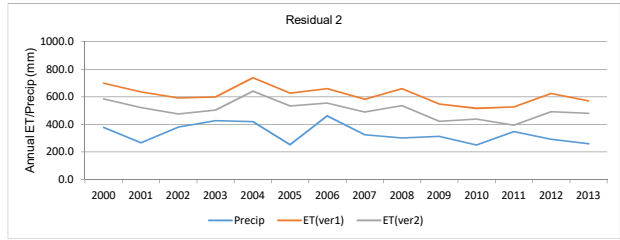
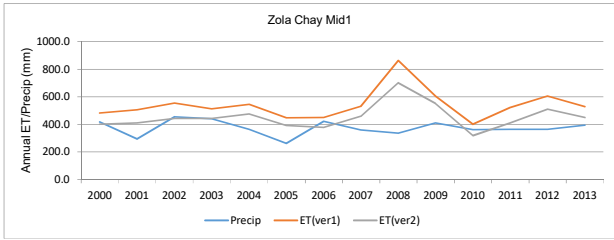
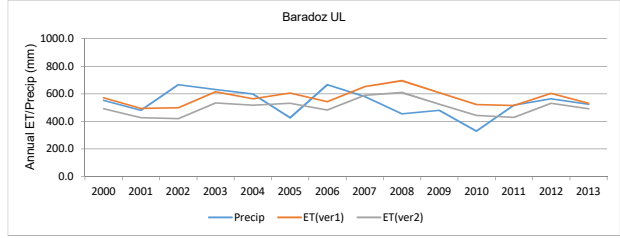
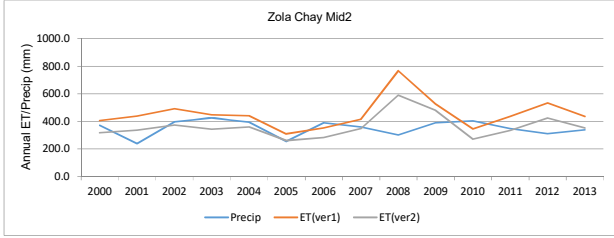
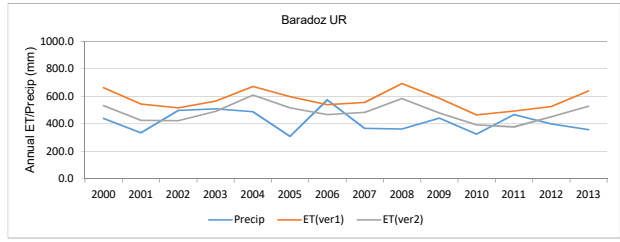
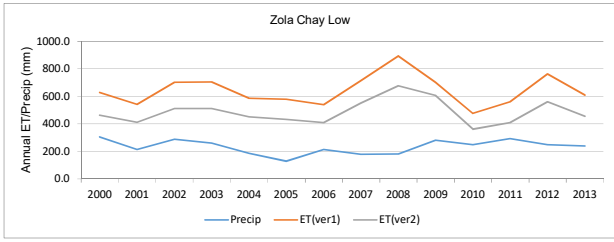


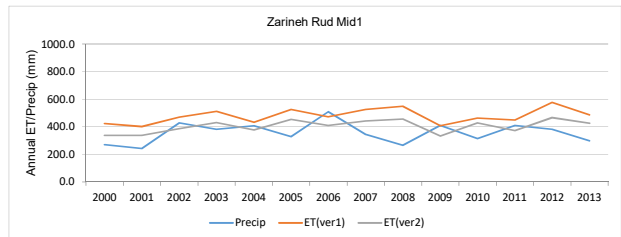
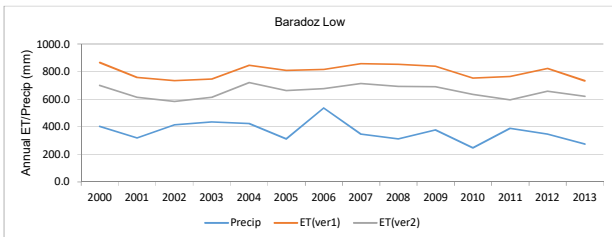
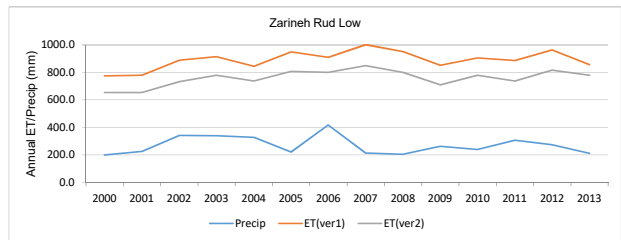
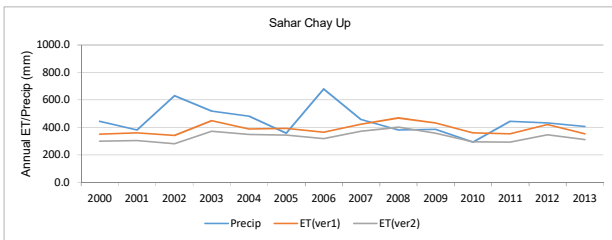
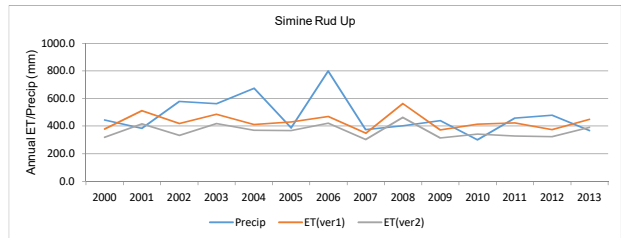
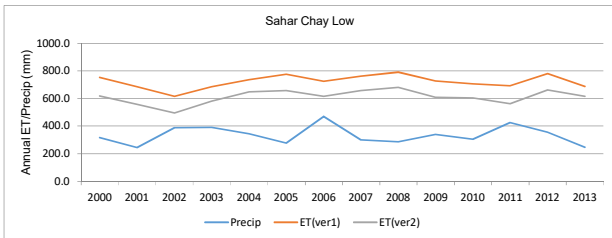
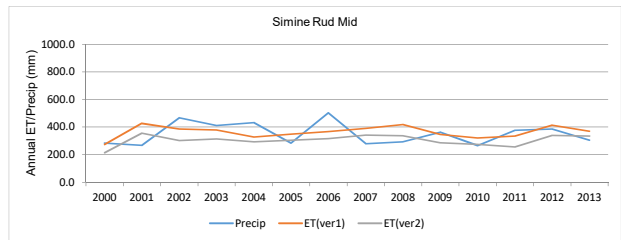
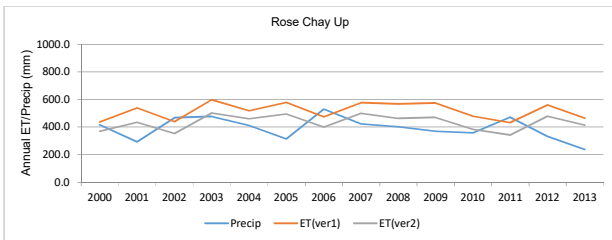
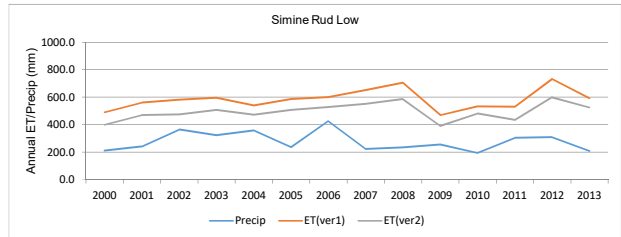
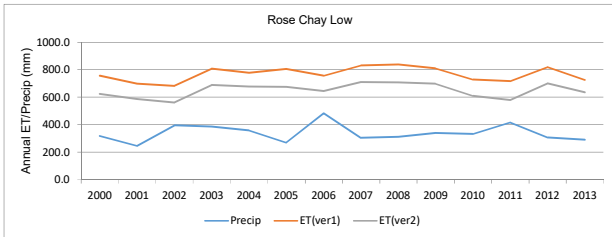
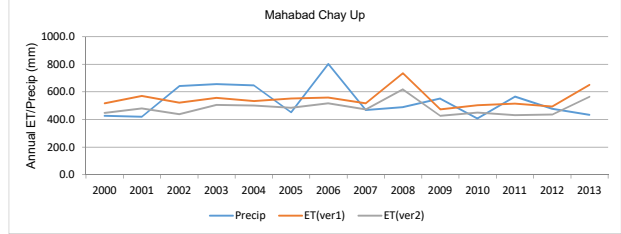
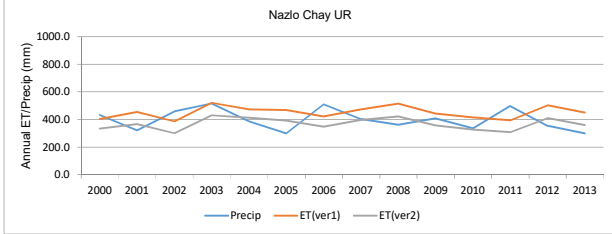
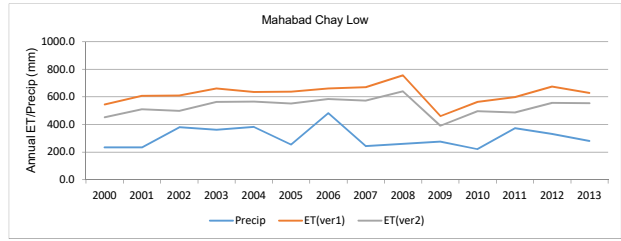
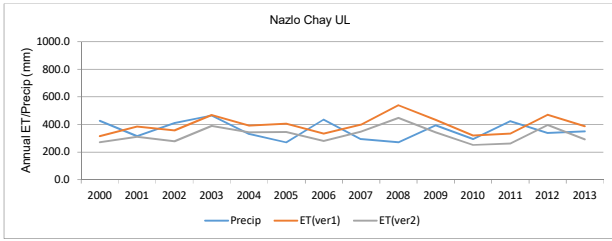


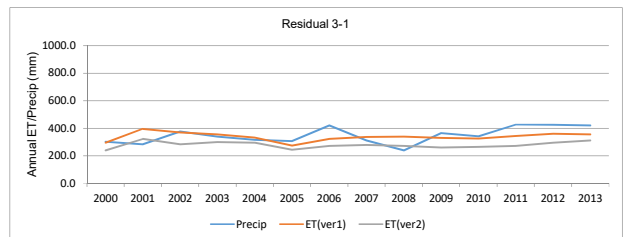
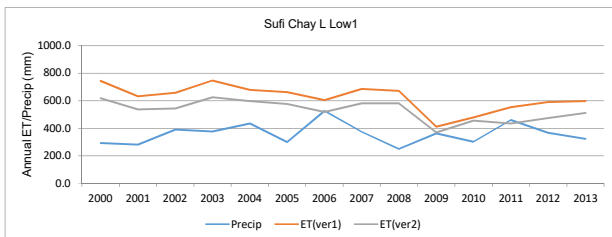
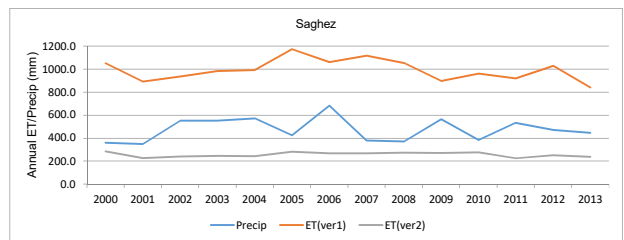
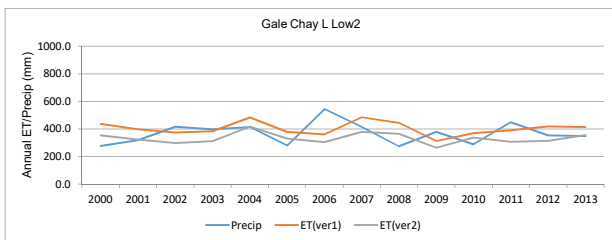
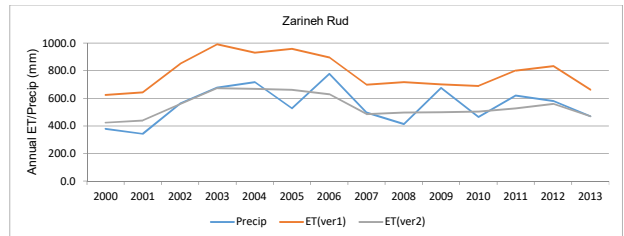
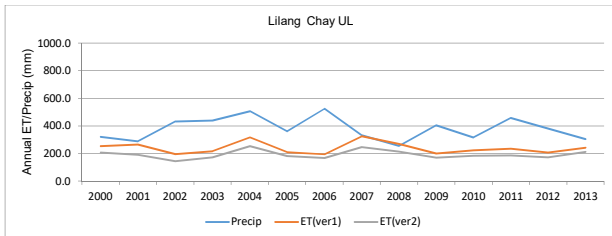
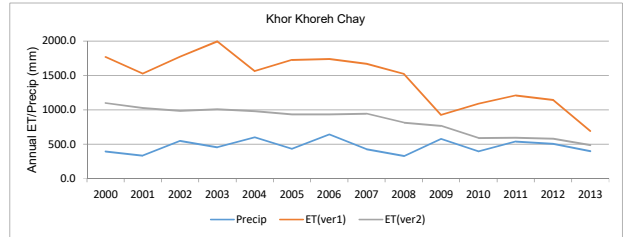
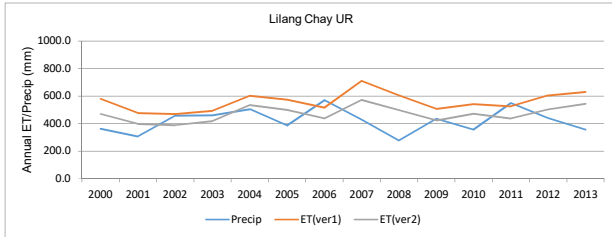
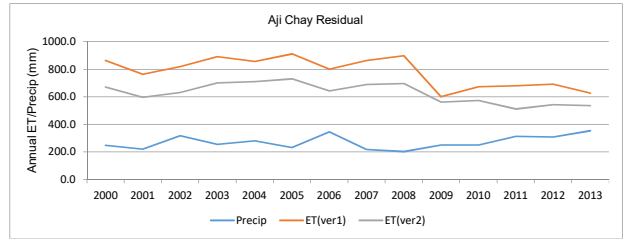
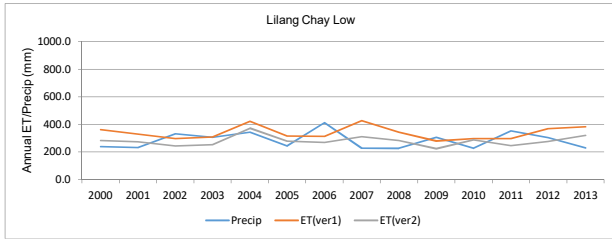
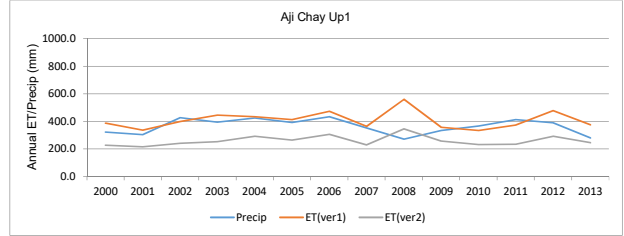
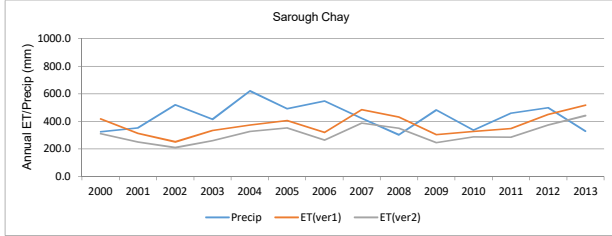
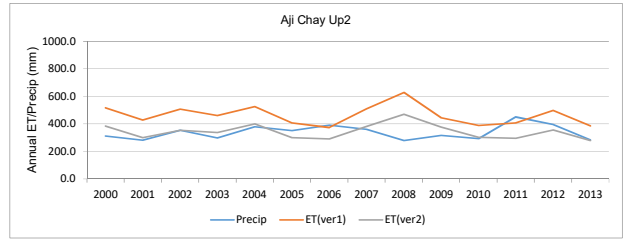
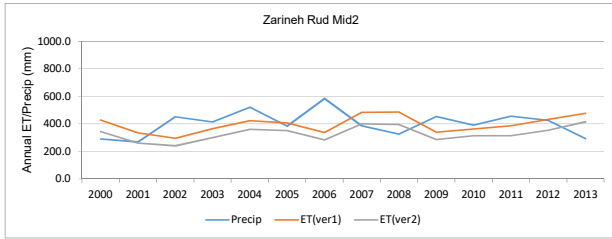


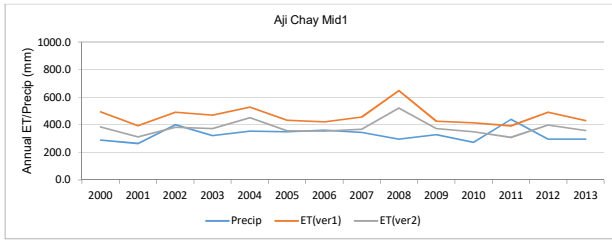
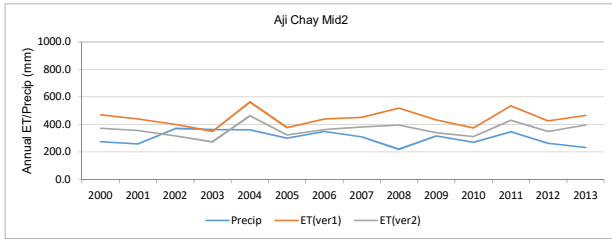
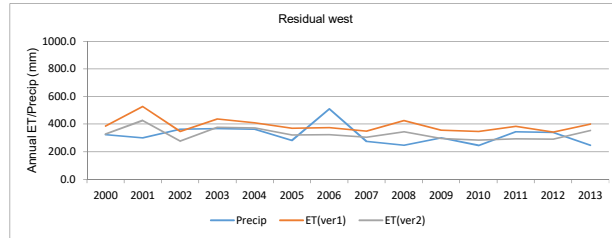
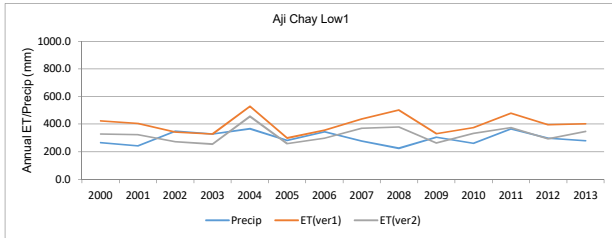
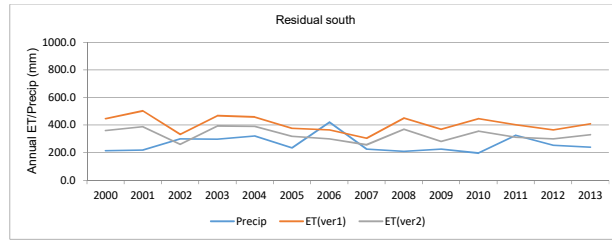
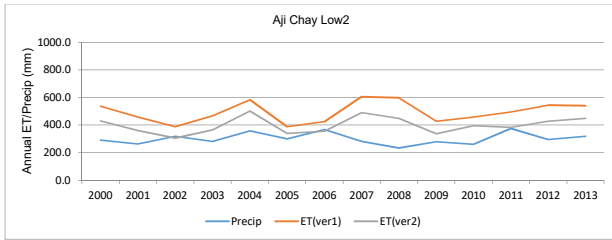
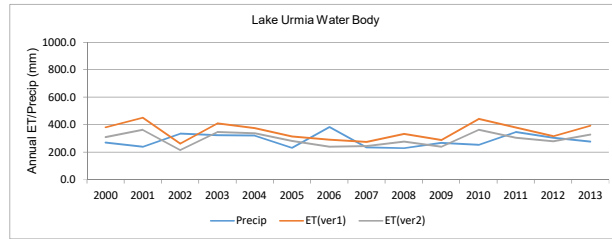
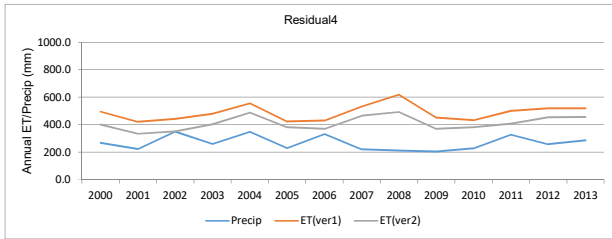
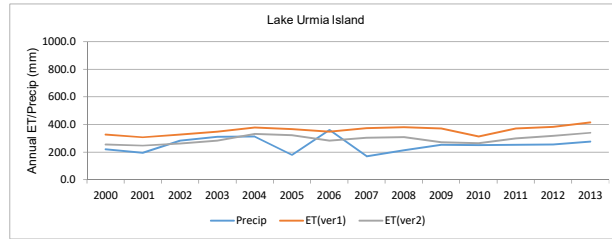
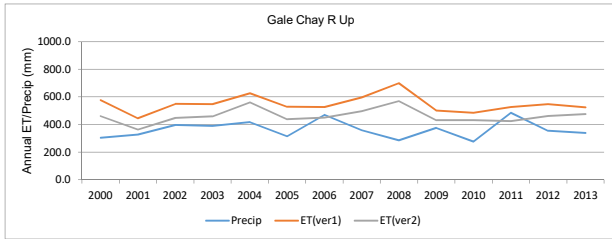
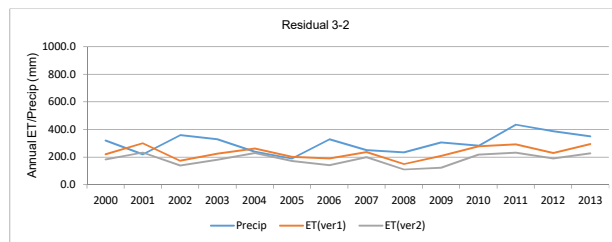
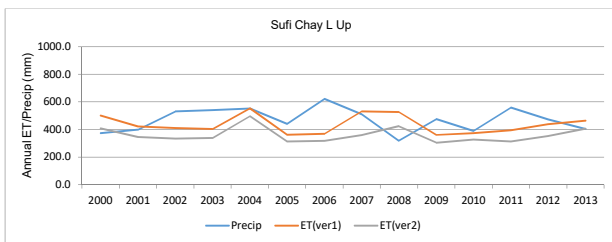


Appendix 5-4
Comparison between Annual ET (1st and 2nd version) and Precipitation









Appendix 5-5
Calculated Agricultural Water Demand for each Irrigated Area

YYYY	MM	YYYY_MM	S-1 Irr_Gedar_Up	S-2 Irr_Gedar_MidLow	S-3 Irr_Mahabad	S-4 Irr_Simnesh_Mid	S-5 Irr_Zarinesh_Mid	S-6 Irr_Zarneh_Simneh h Low	W-1 Irr_Zola_Chay	W-2 Irr_Salmas	W-3 Irr_Nazk_Chay	W-4 Irr_Rose_Chay	W-5 Irr_Urmial
2000	03	2000_3	240.2	223.8	207.9	116.8	146.5	196.8	177.6	82.9	255.2	224.1	183.5
2000	04	2000_4	1.9	35.0	35.0	75.2	120.8	43.7	178.6	352.4	87.1	41.2	176.2
2000	05	2000_5	247.5	230.1	236.5	162.0	235.4	158.8	262.5	427.7	356.0	246.3	308.0
2000	06	2000_6	420.4	368.1	339.2	165.4	181.0	231.1	413.8	422.6	432.9	397.6	371.8
2000	07	2000_7	276.7	317.4	307.7	151.7	202.3	218.0	413.1	526.2	311.3	339.2	471.2
2000	08	2000_8	258.8	316.0	254.7	90.7	167.9	222.5	379.1	309.5	234.8	239.2	456.6
2000	09	2000_9	159.0	160.1	175.9	91.6	109.4	149.6	318.1	402.7	160.6	187.8	329.9
2000	10	2000_10	102.8	73.7	88.2	53.0	98.2	70.6	122.7	211.0	126.7	173.6	228.5
2000	11	2000_11	31.1	55.6	42.6	26.2	38.0	38.7	85.4	109.3	68.2	35.0	87.3
2000	12	2000_12	73.5	88.6	96.0	44.2	55.3	67.3	112.1	97.1	0.0	0.0	96.8
2001	01	2001_1	0.0	2.7	0.8	0.1	0.1	1.0	9.4	63.4	38.6	0.0	22.1
2001	02	2001_2	120.2	128.6	154.2	83.3	72.8	80.8	114.2	94.3	22.8	0.0	109.2
2001	03	2001_3	254.8	266.2	245.1	27.1	98.5	132.6	60.2	101.7	1.0	48.2	252.9
2001	04	2001_4	163.8	131.6	190.4	39.8	72.2	139.1	378.1	497.9	402.5	406.9	379.0
2001	05	2001_5	359.0	298.5	264.8	77.6	83.1	158.2	322.7	381.4	422.9	394.1	335.3
2001	06	2001_6	233.3	303.6	289.3	146.1	123.4	202.5	300.6	399.4	297.6	308.1	396.4
2001	07	2001_7	311.7	394.2	377.0	178.9	154.5	266.7	396.4	545.3	363.5	393.5	521.2
2001	08	2001_8	172.9	297.3	304.0	72.7	159.0	182.0	335.9	415.2	227.2	230.8	400.2
2001	09	2001_9	78.6	64.8	70.0	125.5	119.1	67.4	133.3	165.7	134.4	167.3	166.2
2001	10	2001_10	86.5	62.8	83.5	124.9	124.1	78.2	119.9	181.8	152.1	126.9	180.5
2001	11	2001_11	35.5	26.5	31.8	26.3	59.4	41.3	133.2	150.9	100.2	131.3	128.6
2001	12	2001_12	168.9	124.6	133.0	102.5	80.5	101.6	28.1	72.4	89.8	0.0	71.4
2002	01	2002_1	39.8	62.6	79.8	40.3	66.4	50.7	52.0	57.7	102.2	135.3	60.1
2002	02	2002_2	5.8	16.2	30.7	15.6	17.8	25.3	58.9	63.6	72.6	0.0	65.8
2002	03	2002_3	76.4	104.9	178.1	67.7	73.0	79.5	94.1	82.0	181.0	101.3	93.5
2002	04	2002_4	160.6	234.1	295.8	119.3	163.1	164.8	223.1	292.4	103.4	56.8	287.1
2002	05	2002_5	338.7	280.4	313.5	116.9	120.8	231.3	404.1	318.4	317.4	409.7	372.2
2002	06	2002_6	377.9	397.4	375.4	184.0	185.4	246.8	236.3	273.8	303.5	375.0	351.1
2002	07	2002_7	373.8	375.2	357.3	146.3	204.3	259.3	396.4	507.3	386.5	425.4	471.3
2002	08	2002_8	270.4	316.9	320.6	119.8	193.7	215.5	351.6	494.9	212.8	339.1	455.0
2002	09	2002_9	186.3	211.8	212.2	88.1	127.0	143.7	250.2	324.9	183.3	230.5	294.4
2002	10	2002_10	205.4	233.8	244.0	94.2	159.4	189.7	352.7	403.8	196.4	205.9	422.2
2002	11	2002_11	32.8	36.8	58.2	44.3	53.3	53.8	121.1	98.0	54.5	0.3	95.3
2002	12	2002_12	0.0	4.0	2.3	6.8	13.4	5.3	0.0	0.8	0.0	0.0	0.4
2003	01	2003_1	64.2	19.6	18.1	31.4	29.6	15.3	41.1	35.6	4.7	0.0	39.6
2003	02	2003_2	45.6	51.3	73.3	55.3	60.0	55.2	96.5	64.9	81.0	0.0	61.6
2003	03	2003_3	38.0	74.9	130.9	83.0	103.3	102.2	99.7	74.4	44.9	0.0	53.1
2003	04	2003_4	145.9	198.7	329.6	114.3	250.7	179.5	200.3	122.8	172.5	232.1	235.7
2003	05	2003_5	225.8	285.7	345.3	170.3	249.6	244.2	220.0	250.2	181.3	99.7	235.4
2003	06	2003_6	289.9	306.5	293.6	152.6	199.2	212.3	398.0	308.4	345.2	339.5	294.4
2003	07	2003_7	503.2	466.7	413.1	182.8	272.6	313.5	420.6	299.4	422.8	408.2	420.6
2003	08	2003_8	339.6	365.5	329.5	111.8	200.0	225.5	335.5	355.3	285.0	328.0	405.7
2003	09	2003_9	176.6	228.2	213.0	82.0	154.9	154.9	192.1	127.6	142.5	190.0	258.2
2003	10	2003_10	168.8	186.1	201.4	68.4	123.7	151.1	211.6	158.4	168.0	296.5	226.0
2003	11	2003_11	115.1	110.4	141.3	71.1	93.6	97.3	167.4	175.6	175.8	146.1	158.6
2003	12	2003_12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004	01	2004_1	38.3	45.0	66.1	34.9	47.0	40.2	144.2	87.4	0.0	0.0	67.4
2004	02	2004_2	14.1	9.1	49.4	30.5	60.1	27.0	90.5	39.2	38.9	0.0	22.9
2004	03	2004_3	59.5	82.1	194.2	117.6	185.7	162.4	151.1	270.6	83.6	108.0	191.6
2004	04	2004_4	151.6	263.4	324.4	154.0	262.4	200.3	123.5	211.8	150.3	395.5	220.9
2004	05	2004_5	185.0	241.7	356.9	177.2	241.1	243.5	301.6	385.5	285.5	259.9	296.2
2004	06	2004_6	377.1	367.4	373.0	166.7	209.7	278.1	400.1	342.2	474.3	515.9	362.2
2004	07	2004_7	291.7	232.1	244.9	84.7	92.9	92.9	251.0	282.6	291.0	305.7	296.6
2004	08	2004_8	336.8	314.7	324.1	118.2	160.0	228.6	410.7	366.5	290.3	353.5	430.5
2004	09	2004_9	271.4	302.8	302.8	104.5	166.4	204.7	337.8	280.9	223.4	269.6	361.5
2004	10	2004_10	141.8	144.6	191.7	93.8	93.7	127.9	219.5	251.4	167.0	165.6	261.9
2004	11	2004_11	143.4	192.3	153.5	54.8	52.6	61.8	244.3	116.8	199.4	270.2	124.0
2004	12	2004_12	54.9	56.1	70.5	30.0	31.6	40.2	76.7	57.6	79.5	0.0	56.8
2005	01	2005_1	34.4	64.7	14.0	2.6	47.6	10.2	33.3	35.4	22.5	0.0	59.7
2005	02	2005_2	44.3	46.7	39.4	21.8	23.8	30.2	27.9	41.0	43.8	0.0	45.0
2005	03	2005_3	0.4	20.5	67.7	26.4	118.9	76.6	18.2	55.8	5.0	52.3	99.6
2005	04	2005_4	273.7	275.7	373.4	101.4	177.0	173.3	67.8	194.5	143.1	334.6	414.8
2005	05	2005_5	381.8	372.7	400.5	202.9	250.9	283.6	378.9	493.1	457.9	471.5	377.2
2005	06	2005_6	277.6	280.5	296.6	101.8	157.1	217.5	276.9	186.3	296.7	349.0	273.9
2005	07	2005_7	348.2	327.8	407.6	176.2	142.7	284.6	257.6	293.4	190.2	332.0	388.2
2005	08	2005_8	322.9	351.7	364.5	124.7	193.0	241.2	394.1	461.0	271.8	349.5	453.1
2005	09	2005_9	276.1	229.7	245.5	105.5	126.3	160.6	248.9	362.0	146.5	269.3	327.5
2005	10	2005_10	144.0	158.1	165.2	68.6	142.9	133.4	239.4	188.0	207.2	242.1	250.0
2005	11	2005_11	68.4	65.6	81.2	32.5	37.7	74.1	142.2	135.6	83.1	137.0	132.8
2005	12	2005_12	30.7	25.3	59.4	28.5	54.2	55.7	83.4	44.6	20.4	4.7	78.1
2006	01	2006_1	0.0	3.2	0.5	0.5	18.9	7.0	0.0	2.2	0.0	0.0	0.0
2006	02	2006_2	0.0	4.1	25.8	0.7	1.9	22.5	64.4	122.9	0.0	0.0	76.6
2006	03	2006_3	0.3	29.8	186.4	63.6	0.0	112.1	151.1	234.3	341.6	419.4	262.9
2006	04	2006_4	112.3	157.8	185.6	100.1	126.8	147.4	1.9	3.0	47.0	3.8	44.3
2006	05	2006_5	187.9	180.0	252.7	197.3	195.6	188.4	116.8	217.2	234.7	200.3	197.5
2006	06	2006_6	522.2	503.9	475.1	217.1	205.8	332.2	305.8	385.4	461.6	544.5	456.7
2006	07	2006_7	582.6	536.0	494.8	184.6	196.2	351.1	516.1	546.7	538.3	519.9	614.7
2006	08	2006_8	382.1	389.1	395.2	91.9	184.5	287.3	336.9	290.1	295.2	306.7	474.0
2006	09	2006_9	219.6	210.5	240.4	115.0	112.4	171.8	268.6	314.9	227.0	181.7	375.7
2006	10	2006_10	113.3	111.2	139.6	61.4	114.1	114.4	134.1	244.0	69.7	102.9	211.4
2006	11	2006_11	19.1	111.8	38.5	26.3	79.1	79.1	147.6	120.6	95.8	17.6	115.2
2006	12	2006_12	0.2	4.0	7.9	1.2	4.4	8.1	4.8	18.6	1.4	25.9	10.9
2007	01	2007_1	0.0	3.6	3.2	0.9	1.3	2.9	22.3	23.2	2.9	0.0	7.3
2007	02	2007_2	69.5	17.9	16.3	2.6	13.7	10.2	98.9	62.1	0.0	0.0	59.3
2007	03	2007_3	85.6	102.4	91.7	42.8	54.1	65.6	81.3	46.6	138.9	0.0	60.6
2007	04	2007_4	109.9	290.5	506.1	118.8	379.8	360.5	172.1	283.6	0.0	107.5	395.6
2007	05	2007_5	261.6	337.7	377.2	239.2	337.8	281.4	274.8	400.5	173.6	222.1	301.7
2007	06	2007_6	444.6	484.4	444.6	216.8	200.9	274.4	263.5	2			

YYYY	MM	YYYY_MM	S-1		S-2		S-3		S-4		S-5		S-6		W-1	W-2	W-3	W-4	W-5
			Irr_Gedar_Up	Irr_Gedar_MidLow	Irr_Mahabad	Irr_Simineh_Mid	Irr_Zarineh_Mid	Irr_Zarineh_Simneh_Low	Irr_Zola_Chay	Irr_Salmas	Irr_Nazlo_Chay	Irr_Rose_Chay	Irr_Urmiá						
2008	03	2008_3	62.7	12.5	38.1	72.6	41.9	51.5	56.3	25.4	228.3	18.9							
2008	04	2008_4	495.8	491.0	437.1	424.0	401.1	287.4	380.3	521.1	317.7	419.4	297.8						
2008	05	2008_5	526.5	505.9	481.8	204.7	196.5	300.6	475.1	536.8	470.9	534.7	516.2						
2008	06	2008_6	481.3	448.7	443.5	233.5	259.2	297.3	372.5	391.7	452.4	525.0	446.5						
2008	07	2008_7	532.8	448.5	408.3	234.4	221.3	314.5	480.5	568.2	411.4	477.2	583.4						
2008	08	2008_8	410.5	411.3	412.0	225.0	298.2	298.2	424.7	580.4	287.0	354.7	620.5						
2008	09	2008_9	246.2	249.0	274.7	161.8	227.9	203.4	311.7	354.4	123.1	167.0	318.5						
2008	10	2008_10	254.1	255.1	279.0	155.3	199.5	211.0	208.4	197.3	117.1	81.2	254.1						
2008	11	2008_11	50.3	65.3	93.9	30.7	23.7	62.0	67.1	85.0	81.7	85.0	75.0						
2008	12	2008_12	70.8	129.4	278.6	142.5	151.9	159.4	253.9	43.6	101.4	16.6	126.2						
2009	01	2009_1	29.3	29.6	30.5	24.1	33.8	28.2	12.7	7.1	0.0	0.0	48.0						
2009	02	2009_2	14.5	5.4	2.8	38.4	35.2	22.0	6.9	3.5	99.2	100.8	4.1						
2009	03	2009_3	92.2	74.1	29.9	31.2	62.3	25.8	93.6	82.5	58.7	134.9	111.5						
2009	04	2009_4	437.0	636.0	205.2	103.9	281.8	131.0	1008.1	883.5	489.7	388.8	272.1						
2009	05	2009_5	387.8	476.5	540.7	237.4	282.5	355.9	378.8	392.6	701.3	484.0	359.6						
2009	06	2009_6	313.2	338.9	289.3	124.5	160.0	202.7	291.2	237.1	361.5	331.2	302.2						
2009	07	2009_7	490.5	413.5	371.3	186.5	244.5	282.0	571.4	562.2	508.3	526.6	555.2						
2009	08	2009_8	384.0	353.6	329.3	139.2	165.7	242.5	391.9	419.4	320.3	349.3	493.1						
2009	09	2009_9	159.7	137.2	150.2	85.4	113.9	157.8	306.6	389.7	286.6	239.8	342.3						
2009	10	2009_10	144.7	134.4	126.3	66.9	104.7	122.0	262.6	286.8	235.4	218.1	273.6						
2009	11	2009_11	58.3	76.6	126.1	95.6	118.7	113.2	162.3	189.7	117.2	188.1	117.2						
2009	12	2009_12	8.3	1.7	0.1	0.7	2.1	0.7	6.3	0.0	6.5	32.2	2.6						
2010	01	2010_1	50.5	54.9	73.4	61.5	107.5	74.6	178.8	70.1	38.1	76.2	89.8						
2010	02	2010_2	64.6	37.5	46.1	47.5	63.8	38.9	25.5	75.7	97.2	0.0	85.7						
2010	03	2010_3	6.0	27.5	89.4	3.5	44.9	88.7	528.5	667.8	111.0	241.1	166.5						
2010	04	2010_4	115.6	65.5	3.4	118.1	198.3	75.3	79.3	315.7	135.3	119.2	58.8						
2010	05	2010_5	257.7	209.4	253.0	121.4	166.7	136.9	287.5	358.9	423.5	441.8	321.9						
2010	06	2010_6	392.4	317.7	297.3	134.5	190.9	217.9	376.0	376.0	338.2	409.6	360.4						
2010	07	2010_7	533.6	474.1	451.6	214.5	260.1	273.9	498.3	421.5	500.0	568.9	496.5						
2010	08	2010_8	395.2	410.1	436.0	202.7	283.0	289.5	429.6	491.4	282.5	374.1	486.0						
2010	09	2010_9	239.7	229.9	263.2	99.9	145.9	168.8	317.5	406.3	278.9	354.1	278.9						
2010	10	2010_10	138.3	149.6	155.7	93.0	132.2	124.2	186.1	171.3	155.2	132.0	186.8						
2010	11	2010_11	43.5	35.9	36.6	19.0	50.1	51.9	82.4	181.1	53.2	0.0	163.2						
2010	12	2010_12	35.7	21.8	22.8	7.3	17.8	16.2	14.4	19.8	6.0	58.2	31.5						
2011	01	2011_1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
2011	02	2011_2	46.9	33.2	72.2	53.1	97.5	80.6	25.3	58.9	0.0	0.0	94.1						
2011	03	2011_3	49.8	78.0	220.8	14.0	54.0	129.3	13.1	162.0	0.0	82.1	206.7						
2011	04	2011_4	75.9	90.0	70.3	49.4	97.6	93.7	16.9	95.6	81.5	104.0	67.5						
2011	05	2011_5	180.4	128.6	282.9	171.5	88.2	150.1	107.5	356.2	269.1	262.3	299.3						
2011	06	2011_6	419.1	368.3	376.4	181.0	217.0	260.2	350.5	361.3	370.6	429.1	370.6						
2011	07	2011_7	559.7	499.5	528.7	233.5	332.7	362.1	394.9	424.5	417.6	526.5	530.9						
2011	08	2011_8	458.0	438.0	478.3	173.2	275.0	326.8	436.4	468.0	341.6	407.1	507.4						
2011	09	2011_9	305.8	292.9	337.4	121.4	192.8	239.6	317.1	343.1	257.3	277.6	389.9						
2011	10	2011_10	53.2	48.2	82.6	30.7	91.6	114.8	163.8	204.3	146.1	144.6	209.3						
2011	11	2011_11	3.0	6.5	6.1	3.5	7.3	4.5	9.7	16.5	8.8	14.3	70.7						
2011	12	2011_12	38.7	61.5	83.7	25.5	46.2	47.0	36.3	87.2	41.0	11.5	95.3						
2012	01	2012_1	41.7	54.2	38.5	34.2	9.4	42.6	23.0	21.5	33.5	3.4	35.5						
2012	02	2012_2	39.5	11.3	2.9	18.5	18.8	4.6	26.1	35.2	94.6	0.0	23.9						
2012	03	2012_3	17.2	41.8	190.5	134.0	91.0	35.3	36.8	40.5	51.5	0.0	176.5						
2012	04	2012_4	81.7	59.7	88.5	45.1	130.0	105.7	153.5	104.6	118.3	175.0	137.4						
2012	05	2012_5	232.3	207.3	264.1	130.0	185.7	193.8	226.3	270.8	206.7	297.2	193.2						
2012	06	2012_6	477.4	404.3	429.5	250.9	305.4	319.4	419.4	412.7	448.0	537.1	448.0						
2012	07	2012_7	545.2	445.9	464.5	115.6	181.3	350.7	395.5	345.0	342.5	463.3	517.1						
2012	08	2012_8	449.0	443.4	441.4	183.5	299.6	316.3	438.6	445.8	313.6	367.6	504.7						
2012	09	2012_9	349.8	259.1	320.8	124.5	196.6	238.5	381.2	391.9	246.1	274.5	431.6						
2012	10	2012_10	205.0	160.6	218.4	41.4	130.9	158.6	258.4	281.2	233.3	307.1	329.1						
2012	11	2012_11	66.4	29.2	43.8	22.7	33.1	70.0	103.8	114.2	191.1	73.2	82.7						
2012	12	2012_12	15.4	53.7	78.5	31.9	46.7	65.1	64.6	75.5	26.7	0.3	74.8						
2013	01	2013_1	124.8	79.5	118.0	106.4	62.2	122.2	45.3	57.4	0.0	0.0	222.2						
2013	02	2013_2	38.9	43.8	58.0	26.4	39.9	30.7	45.4	32.8	0.4	0.0	56.6						
2013	03	2013_3	22.6	19.8	29.1	20.2	52.8	26.0	93.0	136.6	157.6	188.5	35.8						
2013	04	2013_4	233.6	215.7	240.4	151.9	195.9	195.8	189.2	240.2	271.3	272.8	211.6						
2013	05	2013_5	183.6	171.4	217.0	146.2	224.9	179.3	121.9	179.2	161.4	233.7	106.3						
2013	06	2013_6	388.2	347.2	352.6	198.2	227.7	271.3	315.7	347.2	422.0	504.7	353.5						
2013	07	2013_7	586.0	549.6	541.4	265.3	301.4	389.4	597.5	464.5	493.8	521.2	592.2						
2013	08	2013_8	426.7	415.2	458.9	194.5	260.5	293.5	477.3	405.3	347.8	429.0	491.9						
2013	09	2013_9	395.7	343.3	403.5	146.6	207.1	289.1	432.5	493.4	316.4	327.8	506.1						
2013	10	2013_10	244.9	197.1	259.0	156.0	203.3	191.8	267.2	349.2	165.0	157.9	300.6						
2013	11	2013_11	115.6	110.7	135.3	75.4	104.1	106.0	166.7	184.8	127.0	119.0	174.4						
2013	12	2013_12	10.9	4.9	13.5	24.9	80.7	14.5	160.4	18.9	2.0	0.0	10.3						
2014	01	2014_1	65.2	38.3	29.6	34.2	16.8	112.3	59.1	5.2	26.6	37.2	0.0						
2014	02	2014_2	12.9	35.0	52.7	17.2	33.6	26.9	58.3	62.1	86.7	52.3	58.9						
2014	03	2014_3	172.5	157.1	175.5	116.4	159.5	143.6	75.0	105.4	92.8	131.1	86.5						
2014	04	2014_4	113.2	161.9	74.9	70.6	92.3	86.3	177.2	118.6	135.8	172.3	154.0						
2014	05	2014_5	236.5	253.0	261.2	103.0	138.7	158.6	103.7	94.5	184.3	247.1	248.4						
2014	06	2014_6	388.8	335.0	355.4	242.1	243.8	252.7	287.7	282.0	328.5	435.2	335.8						
2014	07	2014_7	453.7	391.1	416.3	283.0	284.8	295.5	335.6	329.5	383.2	508.3	392.9						
2014	08	2014_8	506.6	442.2	443.9	265.0	317.7	317.4	411.7	456.1	273.3	271.6	510.1						
2014	09	2014_9	280.9	259.2	317.3	164.5	225.0	247.9	284.1	282.8	204.4	204.4	374.5						

YYYY	MM	YYYY_MM	W-6		W-7		E-1	E-2	E-3	E-4	E-5		E-6	E-7	E-8		E-9
			Irr_Urma2	Irr_Urma2	Irr_Baranduz_Chay	Irr_Sarab	Irr_Vanagh_chay	Irr_Ashforushan	Irr_Arzanaq	Irr_Irr_Chekeh_Chay,Mehraban	Irr_Duzdazan	Irr_Ojan_Chay	Irr_Kelvanaq_Bakhsayesh	Irr_Said_Abad_Chay			
2000	03	2000_3	232.9	272.0	272.0	207.9	169.4	150.5	282.6	342.6	321.4	203.5	302.0	2.4			
2000	04	2000_4	185.2	235.9	13.7	36.9	60.2	128.4	0.0	0.0	0.0	0.0	0.0	19.4			
2000	05	2000_5	232.6	369.1	226.3	364.8	291.2	58.6	39.9	59.2	69.8	147.8	208.9	318.8			
2000	06	2000_6	350.4	491.8	409.3	360.0	315.8	215.0	86.9	273.9	238.5	120.7	315.8	208.9			
2000	07	2000_7	449.3	491.8	358.1	332.5	260.8	297.0	209.6	131.9	309.1	236.0	159.8	328.7			
2000	08	2000_8	440.0	309.5	221.1	129.7	180.5	47.8	142.8	218.2	88.4	58.0	123.9	208.9			
2000	09	2000_9	299.1	234.9	164.7	125.7	189.3	153.9	125.7	246.7	237.0	160.6	228.8	208.9			
2000	10	2000_10	131.3	128.4	179.8	183.8	124.6	64.6	35.8	102.8	142.3	68.6	205.0	208.9			
2000	11	2000_11	68.0	40.2	46.1	72.5	104.9	55.4	60.1	69.8	96.4	75.7	129.6	208.9			
2000	12	2000_12	107.8	0.0	87.4	111.3	114.8	75.8	53.9	68.0	114.0	93.4	125.6	208.9			
2001	01	2001_1	5.2	0.0	0.0	12.4	20.6	0.0	0.0	0.0	0.0	0.0	41.7	208.9			
2001	02	2001_2	141.3	0.0	172.0	115.6	115.2	133.6	0.0	167.0	105.9	0.0	1.5	208.9			
2001	03	2001_3	76.0	274.4	78.0	194.6	178.4	170.8	0.0	10.8	6.7	146.4	257.0	208.9			
2001	04	2001_4	307.1	279.2	24.8	117.6	79.7	0.0	66.2	2.6	3.9	262.2	329.8	208.9			
2001	05	2001_5	320.9	418.9	218.4	178.6	227.6	112.9	146.4	159.6	71.4	134.3	110.1	208.9			
2001	06	2001_6	409.1	365.0	398.6	372.4	314.1	139.9	145.1	261.0	176.5	151.8	255.8	208.9			
2001	07	2001_7	535.1	456.3	501.5	449.0	370.1	135.1	179.6	348.2	234.3	170.8	276.7	208.9			
2001	08	2001_8	407.3	189.4	271.6	179.4	202.9	213.0	242.3	252.3	191.5	140.8	237.2	208.9			
2001	09	2001_9	100.9	8.5	48.3	61.1	72.2	110.5	64.3	26.0	10.6	0.0	30.8	208.9			
2001	10	2001_10	102.6	12.0	67.2	103.8	110.1	89.3	4.4	49.2	36.3	0.0	77.0	208.9			
2001	11	2001_11	94.6	78.0	64.6	115.2	161.0	119.1	134.9	144.6	176.0	90.8	179.0	208.9			
2001	12	2001_12	123.5	27.9	182.7	93.6	70.0	2.9	26.9	98.8	157.7	149.1	0.0	208.9			
2002	01	2002_1	49.4	84.0	34.1	79.1	67.2	71.4	59.1	38.9	59.2	6.8	79.3	208.9			
2002	02	2002_2	54.7	28.1	65.3	97.9	92.4	65.5	82.8	55.2	94.6	99.3	128.6	208.9			
2002	03	2002_3	89.5	161.4	74.1	146.3	136.4	55.8	89.2	74.8	81.0	62.0	239.1	208.9			
2002	04	2002_4	213.2	86.0	233.8	271.1	295.6	151.7	188.3	165.9	231.3	302.0	178.0	208.9			
2002	05	2002_5	371.2	436.1	288.0	353.4	337.2	135.4	374.7	225.6	170.4	263.7	184.6	208.9			
2002	06	2002_6	328.0	399.5	236.3	257.2	231.2	126.4	149.6	224.7	128.6	134.4	231.9	208.9			
2002	07	2002_7	489.7	488.2	412.6	302.4	315.8	234.6	153.3	423.2	250.8	179.5	335.6	208.9			
2002	08	2002_8	454.4	314.9	303.8	253.4	250.1	185.3	142.1	276.3	200.3	153.9	327.3	208.9			
2002	09	2002_9	291.4	205.9	204.9	207.4	221.7	168.3	175.5	209.4	177.4	159.2	205.4	208.9			
2002	10	2002_10	398.6	204.5	172.8	232.4	222.5	165.7	185.1	105.1	132.1	55.9	182.2	208.9			
2002	11	2002_11	77.4	37.0	29.5	17.9	35.9	8.3	97.4	42.1	29.2	15.7	75.3	208.9			
2002	12	2002_12	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	208.9			
2003	01	2003_1	49.3	3.4	1.6	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.0	208.9			
2003	02	2003_2	53.4	59.8	13.6	0.0	6.0	0.0	0.0	0.0	0.0	0.0	11.8	208.9			
2003	03	2003_3	73.1	49.5	130.6	91.3	113.5	154.8	57.7	175.5	79.5	184.1	190.8	208.9			
2003	04	2003_4	139.1	167.7	194.4	262.3	188.4	67.2	0.0	33.4	87.4	39.7	171.7	208.9			
2003	05	2003_5	205.1	179.2	188.2	179.7	121.4	126.2	102.3	49.8	27.6	62.0	155.8	208.9			
2003	06	2003_6	286.7	340.1	293.7	328.1	274.0	235.9	370.0	282.9	277.8	255.6	256.9	208.9			
2003	07	2003_7	474.7	489.3	392.2	386.3	330.1	233.0	369.5	430.1	301.6	212.5	181.8	208.9			
2003	08	2003_8	415.9	349.8	310.9	283.0	285.7	222.3	272.1	332.8	235.2	170.5	225.0	208.9			
2003	09	2003_9	265.4	193.1	140.5	157.5	84.2	55.8	19.6	81.1	116.2	64.5	190.0	208.9			
2003	10	2003_10	222.7	188.3	116.7	123.7	114.8	103.4	196.5	130.4	162.5	142.2	204.9	208.9			
2003	11	2003_11	154.3	165.9	52.1	119.1	114.2	53.7	53.2	70.6	75.5	60.5	91.0	208.9			
2003	12	2003_12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208.9			
2004	01	2004_1	75.3	48.0	30.7	94.8	102.7	66.2	68.3	53.9	68.8	60.1	121.4	208.9			
2004	02	2004_2	22.6	84.6	49.4	53.5	102.3	118.6	87.3	89.2	75.7	33.7	132.9	208.9			
2004	03	2004_3	156.5	128.2	7.6	83.2	55.0	0.0	0.0	0.0	0.0	0.0	171.4	208.9			
2004	04	2004_4	180.6	215.3	19.9	136.5	133.0	18.2	41.2	2.6	16.9	0.0	242.2	208.9			
2004	05	2004_5	281.3	233.1	115.5	160.9	89.8	77.0	182.3	24.6	9.1	136.4	152.4	208.9			
2004	06	2004_6	428.3	503.3	203.4	257.6	216.0	88.3	276.1	244.2	276.1	170.0	178.1	208.9			
2004	07	2004_7	354.1	279.8	369.5	291.7	277.0	119.9	340.1	322.5	176.7	229.3	169.0	208.9			
2004	08	2004_8	438.1	397.7	274.3	388.6	348.9	245.3	380.9	361.1	262.1	190.5	238.5	208.9			
2004	09	2004_9	359.1	274.4	234.1	241.8	241.2	250.7	317.6	243.0	198.5	187.3	227.0	208.9			
2004	10	2004_10	233.2	204.5	124.0	141.5	123.3	122.2	115.9	63.0	54.6	49.4	163.9	208.9			
2004	11	2004_11	122.5	158.8	245.5	162.3	165.1	263.6	264.4	191.8	183.8	235.3	0.0	208.9			
2004	12	2004_12	41.7	0.0	20.0	51.4	84.3	26.3	41.3	35.0	80.6	27.3	27.4	208.9			
2005	01	2005_1	40.3	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208.9			
2005	02	2005_2	50.2	1.7	39.9	34.6	57.2	0.0	0.0	46.4	48.0	0.0	0.0	208.9			
2005	03	2005_3	31.4	5.8	151.9	251.5	142.6	122.1	33.7	0.0	18.6	79.8	396.1	208.9			
2005	04	2005_4	274.7	359.4	297.0	262.9	391.1	434.1	577.7	452.9	512.3	413.8	557.9	208.9			
2005	05	2005_5	385.2	472.1	446.5	461.3	441.4	396.0	343.7	391.4	361.9	390.9	353.9	208.9			
2005	06	2005_6	278.3	333.6	254.0	272.4	231.2	166.4	280.5	232.7	189.2	173.8	191.4	208.9			
2005	07	2005_7	391.7	353.8	319.4	304.0	262.5	235.2	180.4	167.1	137.6	154.4	294.8	208.9			
2005	08	2005_8	423.6	341.6	393.4	328.7	396.3	345.2	321.5	376.8	281.2	251.0	386.2	208.9			
2005	09	2005_9	295.3	325.3	233.6	187.8	194.6	235.3	242.1	188.4	169.1	45.8	164.1	208.9			
2005	10	2005_10	201.3	246.8	175.8	226.4	189.9	150.3	140.5	167.6	198.6	51.4	253.5	208.9			
2005	11	2005_11	120.1	97.0	38.8	29.5	70.0	21.9	48.1	85.2	107.3	27.0	124.9	208.9			
2005	12	2005_12	66.2	35.3	2.2	19.7	37.2	20.3	7.8	11.6	31.1	30.1	66.5	208.9			
2006	01	2006_1	0.1	0.0	0.1	0.0	0.0	5.3	3.1	0.0	0.0	0.0	0.0	208.9			
2006	02	2006_2	93.8	0.0	0.3	52.8	42.9	0.0	0.0	0.0	0.0	108.5	0.0	208.9			
2006	03	2006_3	155.9	103.5	1.3	88.3	41.6	0.0	0.0	0.0	0.0	1.0	450.8	208.9			
2006	04	2006_4	16.5	57.9	130.4	170.2	182.2	106.3	9.8	56.4	92.8	3.8	133.8	208.9			
2006	05	2006_5	169.8	246.0	133.7	215.0	174.4	50.8	149.5	97.0	107.2	145.0	44.6	208.9			
2006	06	2006_6	450.0	547.0	429.3	456.7	333.2	160.0	111.9	275.2	104.4	136.8	123.5	208.9			
2006	07	2006_7	688.1	594.1	431.2	356.3	334.9	212.6	205.7	445.8	237.8	219.4	344.8	208.9			
2006	08	2006_8	465.5	333.7	331.4	261.2	180.1	104.5	85.8	166.1	154.4	157.5	219.9	208.9			
2006	09	2006_9	333.1	206.8	191.8	190.2	163.6	180.7	164.7	155.1	146.5	121.0	249.4	208.9			
2006	10	2006_10	163.6	97.4	266.5	320.5	335.4	307.7	263.0	244.0	170.5	163.2	164.9	208.9			
2006	11	2006_11	118.0	53.9	0.9	9.9	4.3	12.5	25.1	32.7	12.3	22.1	91.8	208.9			
2006	12	2006_12	20.1	3.2	9.5	17.8	5.5	0.0	15.1								

YYYY	MM	YYYY_MM	W-6	W-7	E-1	E-2	E-3	E-4	E-5	E-6	E-7	E-8	E-9
			Irr_Urmia2	Irr_Baranduz_Chay	Irr_Sarab	Irr_Vanagh_chay	Irr_Asbforushan	Irr_Arzanaq	Irr_Irr_Chekeh_Chay,Mehraban	Irr_Duzdazan	Irr_Ojan_Chay	Irr_Kelvanaq_Bakshayesh	Irr_Saad_Abad_Chay
2008	03	2008_3	12.0	124.5	40.6	110.7	88.6	24.0	25.8	0.0	30.0	54.0	184.5
2008	04	2008_4	278.0	641.4	211.2	343.6	123.3	65.6	243.1	278.0	157.6	38.5	617.3
2008	05	2008_5	534.7	588.9	329.7	389.4	391.4	230.3	146.0	257.1	159.0	242.7	255.0
2008	06	2008_6	454.7	523.5	304.3	271.0	291.0	234.7	257.7	261.4	142.2	179.9	213.3
2008	07	2008_7	589.3	558.1	412.3	251.2	311.1	263.9	240.3	463.7	301.8	262.2	338.9
2008	08	2008_8	601.6	409.7	447.5	309.1	311.4	201.3	241.4	292.5	254.0	108.5	305.9
2008	09	2008_9	252.4	88.3	345.9	419.4	442.8	298.0	325.9	335.1	316.3	270.7	325.4
2008	10	2008_10	183.7	222.4	21.3	64.5	105.6	49.5	152.3	44.3	75.6	164.5	138.4
2008	11	2008_11	54.6	73.2	23.4	77.2	173.5	70.2	86.9	123.4	194.8	79.2	108.2
2008	12	2008_12	63.4	61.3	2.2	81.7	57.6	0.0	52.1	2.2	3.8	88.7	109.7
2009	01	2009_1	55.6	21.4	10.8	31.6	54.9	9.4	39.1	47.2	49.2	41.4	42.4
2009	02	2009_2	7.6	67.6	73.0	94.7	94.7	42.9	72.2	69.1	98.6	26.2	109.6
2009	03	2009_3	135.2	147.1	57.0	80.4	108.0	0.0	2.1	22.4	142.9	4.9	162.1
2009	04	2009_4	277.1	1054.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009	05	2009_5	377.5	437.3	488.8	255.1	302.5	169.1	19.3	105.9	234.4	200.1	48.1
2009	06	2009_6	324.8	320.2	328.6	243.6	195.2	124.4	417.5	328.6	218.4	434.9	333.1
2009	07	2009_7	584.5	564.5	502.9	325.0	285.7	257.2	259.5	473.6	332.7	289.9	371.9
2009	08	2009_8	523.5	410.0	403.5	300.8	308.0	188.0	297.2	326.8	272.6	206.1	352.1
2009	09	2009_9	311.0	225.1	241.7	136.7	286.1	169.4	187.5	183.1	192.4	176.3	252.9
2009	10	2009_10	253.0	207.5	98.8	139.2	163.4	52.1	92.5	102.1	110.2	97.7	175.5
2009	11	2009_11	163.0	132.5	32.2	81.1	127.9	80.7	112.9	90.7	109.3	56.4	171.6
2009	12	2009_12	3.6	14.0	3.1	19.5	39.3	59.7	59.0	42.4	64.0	90.4	71.8
2010	01	2010_1	58.0	85.6	387.0	267.0	97.5	94.2	51.2	55.9	51.0	53.1	23.2
2010	02	2010_2	73.7	76.9	3.2	0.0	6.8	0.0	0.0	0.0	8.0	75.7	0.0
2010	03	2010_3	354.5	191.2	2.0	25.5	4.0	0.0	0.0	0.0	0.0	0.0	22.8
2010	04	2010_4	65.9	261.6	15.0	4.3	2.4	0.0	0.0	11.8	0.0	0.0	0.0
2010	05	2010_5	280.2	422.6	201.5	177.1	233.8	216.0	277.3	93.7	98.4	173.8	86.7
2010	06	2010_6	373.5	362.0	293.1	245.5	275.8	234.0	234.0	256.9	144.5	207.7	283.2
2010	07	2010_7	529.3	538.8	627.6	612.1	539.6	232.8	316.4	353.4	148.3	209.5	361.2
2010	08	2010_8	487.5	397.5	316.9	253.5	256.7	195.6	213.6	198.0	141.6	158.9	290.3
2010	09	2010_9	353.4	235.2	208.4	148.3	181.6	126.7	133.9	99.9	75.8	66.6	243.7
2010	10	2010_10	178.3	144.6	116.6	113.0	94.1	106.7	106.7	100.4	90.6	92.7	116.6
2010	11	2010_11	94.3	10.8	12.8	22.2	5.0	13.4	11.4	23.9	7.0	14.6	11.4
2010	12	2010_12	15.5	37.7	33.7	45.5	44.4	18.2	37.5	24.6	33.3	34.2	32.0
2011	01	2011_1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	02	2011_2	66.8	71.7	83.2	37.7	74.2	96.1	61.6	92.7	18.3	70.2	53.7
2011	03	2011_3	101.3	146.3	23.0	8.3	27.8	17.6	63.3	5.1	22.4	7.7	158.2
2011	04	2011_4	16.9	143.9	47.8	45.0	23.0	84.3	23.4	1.9	8.9	35.1	73.1
2011	05	2011_5	272.0	353.3	118.4	88.2	129.2	248.1	215.0	264.0	227.0	182.1	136.0
2011	06	2011_6	388.3	401.4	343.6	262.7	245.0	245.0	318.2	272.0	145.6	164.9	190.3
2011	07	2011_7	537.0	531.8	415.8	310.3	298.1	195.3	331.3	315.6	170.9	211.0	248.4
2011	08	2011_8	526.6	437.2	498.1	389.4	365.5	373.2	434.1	358.5	226.7	287.6	269.1
2011	09	2011_9	379.8	286.1	208.2	144.5	178.3	190.2	220.6	181.1	130.3	133.2	206.5
2011	10	2011_10	175.4	87.5	84.8	43.9	115.3	112.2	103.7	102.9	139.9	28.1	74.0
2011	11	2011_11	13.7	1.6	10.7	4.4	6.7	22.9	11.1	32.8	119.6	26.7	53.7
2011	12	2011_12	65.6	38.5	6.0	18.5	23.0	84.2	0.0	73.1	96.4	0.0	30.7
2012	01	2012_1	26.5	49.7	1.2	0.0	35.6	0.0	17.7	33.7	56.2	0.0	21.9
2012	02	2012_2	23.9	57.3	67.2	51.9	100.8	59.2	51.9	66.9	104.3	111.9	68.0
2012	03	2012_3	99.5	0.0	174.3	43.7	103.9	43.0	0.0	0.0	0.0	277.9	246.7
2012	04	2012_4	91.4	125.7	99.3	171.6	156.5	100.2	100.7	39.6	105.6	99.3	225.4
2012	05	2012_5	181.0	307.3	310.7	324.2	333.0	241.8	276.2	179.7	175.6	248.8	268.1
2012	06	2012_6	441.3	557.2	438.7	446.3	432.8	338.7	430.3	296.7	208.4	348.8	255.5
2012	07	2012_7	489.8	613.1	584.1	559.3	537.0	265.6	340.9	363.2	246.6	163.0	332.6
2012	08	2012_8	498.2	471.6	474.8	428.9	400.7	338.6	329.7	321.7	286.2	207.2	393.4
2012	09	2012_9	411.5	317.2	212.9	215.8	216.4	204.6	270.4	226.5	177.9	224.7	326.1
2012	10	2012_10	274.9	298.0	147.6	199.5	222.3	68.7	162.6	97.4	69.9	27.1	199.5
2012	11	2012_11	86.9	162.4	17.6	44.3	99.4	64.0	104.7	17.4	31.3	8.4	39.0
2012	12	2012_12	67.1	5.6	1.5	9.5	15.4	25.3	57.0	52.9	54.7	78.8	45.1
2013	01	2013_1	179.5	0.0	168.5	38.5	152.3	242.3	239.4	259.7	236.6	216.1	47.1
2013	02	2013_2	25.7	0.2	18.1	24.4	26.7	11.4	10.0	57.0	78.6	36.3	3.7
2013	03	2013_3	45.7	128.0	4.9	16.5	9.9	1.6	0.0	0.0	0.0	0.0	127.2
2013	04	2013_4	213.2	252.4	121.4	196.3	246.3	51.0	131.1	135.7	110.2	54.6	194.3
2013	05	2013_5	141.9	215.9	205.3	283.2	224.2	34.5	86.8	69.6	73.4	6.1	147.4
2013	06	2013_6	360.6	489.0	333.1	307.1	313.4	76.4	218.1	206.3	96.8	177.2	258.3
2013	07	2013_7	601.9	595.7	492.0	393.6	396.3	263.3	375.9	352.8	202.1	236.7	289.0
2013	08	2013_8	517.1	428.3	337.9	255.9	213.0	188.5	243.6	179.3	134.8	129.5	268.1
2013	09	2013_9	492.0	407.7	189.0	211.0	218.0	126.0	111.1	140.2	137.3	72.9	273.2
2013	10	2013_10	255.1	217.2	238.6	302.4	202.9	20.5	28.1	145.4	213.2	41.0	311.3
2013	11	2013_11	152.6	127.0	73.4	124.1	132.6	87.9	122.9	115.6	113.7	119.2	162.5
2013	12	2013_12	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8
2014	01	2014_1	53.4	45.1	73.7	61.0	74.3	63.2	72.1	4.9	35.4	102.9	5.7
2014	02	2014_2	45.6	21.4	33.5	65.1	63.1	58.9	36.9	57.4	43.0	82.9	102.1
2014	03	2014_3	57.2	138.6	92.4	127.5	80.1	72.2	73.0	32.4	52.1	89.6	207.2
2014	04	2014_4	124.5	144.2	151.1	147.6	135.3	129.9	62.0	103.8	122.5	94.0	118.1
2014	05	2014_5	159.2	286.7	246.4	317.1	203.5	238.5	123.5	171.8	209.4	112.3	231.2
2014	06	2014_6	317.9	413.2	410.8	528.2	360.3	232.3	150.0	335.0	328.5	207.8	230.7
2014	07	2014_7	370.9	482.8	479.2	617.6	420.2	271.3	175.3	391.1	383.2	242.3	269.6
2014	08	2014_8	536.2	407.4	363.9	375.2	268.1	160.2	222.8	231.5	200.2	145.4	278.6
2014	09	2014_9	350.3	266.9	243.3	212.1	224.8	141.4	131.2	206.4	176.4	160.5	194.9

YYYY	MM	YYYY_MM	E-10	E-11	E-12	E-13	E-14	E-15	E-16	E-17	E-18	E-19	E-20
			Irr_Lighavan Chay	Irr_Bagharuf	Irr_Nojadeh	Irr_Tazeh Kand	Irr_Esfanjan	Irr_Sateli	Irr_Azar Shahr Chay	Irr_Sarbaghoi	Irr_Kooshk,Qarsh Tapeh	Irr_Ajbsir	Irr_Bonab Maragheh
2000	03	2000_3	1.5	302.6	20.3	62.9	30.3	4.4	167.3	80.0	132.9	277.3	284.9
2000	04	2000_4	0.0	358.1	297.0	61.6	13.3	133.1	27.0	121.2	210.8	24.6	21.3
2000	05	2000_5	139.7	972.7	444.0	289.9	313.6	236.3	296.2	154.6	307.4	233.2	166.5
2000	06	2000_6	319.5	872.4	265.0	306.3	141.4	157.6	250.3	203.2	262.8	292.3	267.3
2000	07	2000_7	271.4	952.1	226.9	308.3	322.7	202.8	302.3	217.1	358.1	340.0	296.3
2000	08	2000_8	185.6	698.0	147.9	258.0	271.8	130.5	231.2	185.6	355.9	267.5	229.0
2000	09	2000_9	221.6	675.6	192.9	273.4	251.9	204.7	220.6	154.9	251.4	139.0	169.8
2000	10	2000_10	187.6	368.9	108.2	117.1	139.4	89.1	152.0	109.0	163.3	86.6	113.3
2000	11	2000_11	133.0	256.7	79.2	89.0	107.1	63.9	92.2	77.7	82.0	91.0	58.7
2000	12	2000_12	115.6	331.5	105.2	110.3	106.8	109.2	108.2	103.1	89.1	90.1	92.1
2001	01	2001_1	77.7	248.3	92.0	35.1	96.5	75.1	0.8	49.9	63.3	1.2	0.0
2001	02	2001_2	0.5	381.8	128.2	126.3	83.2	110.6	143.3	134.2	99.3	127.4	143.9
2001	03	2001_3	148.3	120.7	86.8	7.6	50.1	76.0	0.0	149.9	175.2	85.6	172.1
2001	04	2001_4	115.4	556.7	334.1	206.5	278.8	208.2	337.6	187.7	287.5	170.3	100.2
2001	05	2001_5	48.4	781.3	216.6	224.1	175.2	154.4	157.3	144.6	333.0	300.8	149.2
2001	06	2001_6	267.7	1000.6	291.7	332.1	284.9	232.6	236.3	174.3	329.1	271.5	240.8
2001	07	2001_7	303.7	1331.6	402.2	410.3	366.5	313.2	248.9	207.3	451.2	378.1	318.3
2001	08	2001_8	256.5	632.4	165.8	245.1	219.4	152.2	222.2	182.2	313.0	240.8	210.8
2001	09	2001_9	52.0	23.9	3.7	23.4	72.2	0.5	48.3	8.0	119.0	92.9	43.6
2001	10	2001_10	50.8	18.9	0.0	32.2	74.8	0.6	30.6	2.2	117.7	90.9	41.3
2001	11	2001_11	185.6	288.5	83.8	82.7	128.6	62.3	96.8	117.5	98.1	69.0	52.6
2001	12	2001_12	0.0	0.0	0.0	1.0	3.5	0.1	58.7	9.7	20.8	99.6	126.8
2002	01	2002_1	86.4	184.0	58.4	58.7	73.0	61.8	55.7	52.8	57.7	46.0	53.6
2002	02	2002_2	142.8	310.5	97.6	77.2	88.4	81.5	49.3	73.7	67.3	44.9	36.5
2002	03	2002_3	240.7	283.4	87.6	75.1	75.1	84.9	56.4	80.0	53.8	64.0	92.8
2002	04	2002_4	230.6	813.2	350.7	228.8	238.0	211.0	235.2	170.9	233.8	212.5	147.1
2002	05	2002_5	229.7	1169.7	338.7	332.1	227.7	214.5	213.0	254.0	239.4	275.8	210.9
2002	06	2002_6	199.4	929.9	314.3	254.3	174.8	213.1	247.1	198.7	317.2	336.7	276.7
2002	07	2002_7	279.8	1151.0	339.2	305.2	262.8	214.8	251.5	200.0	363.9	332.1	291.8
2002	08	2002_8	286.1	848.5	222.6	273.7	283.5	184.6	257.3	168.9	297.9	276.3	261.2
2002	09	2002_9	211.3	588.3	152.8	180.9	199.0	145.5	175.9	135.2	210.4	166.1	169.1
2002	10	2002_10	258.9	700.1	153.8	258.9	260.4	113.6	236.7	173.3	263.7	231.5	190.8
2002	11	2002_11	81.1	316.2	70.6	84.3	94.0	58.0	74.3	100.9	114.2	49.5	50.0
2002	12	2002_12	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	1.2	4.8	0.8
2003	01	2003_1	0.0	74.6	43.0	63.7	51.7	64.9	5.5	49.7	21.0	36.3	28.3
2003	02	2003_2	5.6	260.6	89.6	73.8	91.0	83.1	66.4	88.5	72.5	65.4	61.9
2003	03	2003_3	190.1	425.1	142.1	85.7	126.4	122.4	77.7	137.5	100.2	123.0	139.7
2003	04	2003_4	124.0	511.5	304.4	199.9	201.1	308.4	159.0	217.4	167.3	194.8	161.8
2003	05	2003_5	153.7	836.5	320.7	314.3	131.5	208.9	204.6	199.3	197.2	207.3	246.5
2003	06	2003_6	223.2	1052.9	358.0	339.5	253.7	218.7	237.8	187.6	298.8	220.6	200.9
2003	07	2003_7	234.4	1277.3	370.3	446.2	279.7	292.8	315.5	287.7	377.6	348.3	337.4
2003	08	2003_8	211.4	783.5	181.4	274.1	238.7	140.5	173.2	152.1	263.2	260.5	239.3
2003	09	2003_9	166.8	444.6	130.1	112.6	152.3	57.8	112.1	107.9	175.6	162.1	182.3
2003	10	2003_10	135.2	363.4	99.0	130.0	183.2	76.8	131.1	151.4	193.1	135.5	102.7
2003	11	2003_11	117.1	372.3	124.3	123.2	138.7	97.2	109.9	115.3	152.5	123.3	113.1
2003	12	2003_12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004	01	2004_1	105.8	280.1	88.7	78.1	101.9	100.9	66.0	97.9	85.6	66.0	52.1
2004	02	2004_2	102.3	128.2	62.7	56.6	30.7	89.0	23.1	44.6	27.2	38.5	18.9
2004	03	2004_3	115.3	359.5	151.9	114.1	153.8	261.1	95.8	85.5	171.0	148.5	123.7
2004	04	2004_4	275.9	1194.3	434.9	320.6	286.3	332.3	201.0	217.5	237.8	253.0	225.7
2004	05	2004_5	106.9	1036.3	413.9	317.1	140.6	274.3	165.8	240.6	232.6	185.0	126.2
2004	06	2004_6	135.1	1211.4	436.5	429.8	195.2	327.3	266.5	201.9	261.3	236.8	265.0
2004	07	2004_7	196.3	965.5	230.7	233.5	68.7	216.0	148.7	152.9	262.9	208.3	204.7
2004	08	2004_8	246.9	800.0	190.5	275.0	230.1	192.0	202.7	166.9	307.8	258.3	261.3
2004	09	2004_9	206.8	696.9	183.7	238.8	248.9	186.1	234.1	192.0	287.4	222.8	213.9
2004	10	2004_10	169.5	421.2	119.8	138.3	155.8	107.1	129.9	112.4	144.6	127.1	121.5
2004	11	2004_11	0.0	183.8	62.6	82.0	60.9	53.3	132.5	4.4	147.5	39.5	80.0
2004	12	2004_12	50.2	201.0	77.5	63.3	69.2	64.7	54.5	83.4	53.2	39.3	39.5
2005	01	2005_1	0.0	9.4	66.1	71.8	17.0	78.7	80.5	71.9	53.5	53.2	67.7
2005	02	2005_2	4.8	126.4	34.0	31.5	44.3	21.0	33.6	30.3	30.1	42.8	32.8
2005	03	2005_3	377.9	655.8	243.8	162.4	270.1	299.2	78.7	176.7	175.6	79.5	115.9
2005	04	2005_4	400.0	1044.0	398.5	435.6	547.5	476.2	471.7	333.1	351.5	443.5	356.9
2005	05	2005_5	285.8	1162.4	529.5	361.9	304.5	444.3	310.2	250.0	398.8	335.8	261.3
2005	06	2005_6	181.9	839.4	283.5	277.6	170.8	196.6	206.9	146.5	212.8	223.8	209.9
2005	07	2005_7	217.6	671.8	236.6	320.8	109.5	230.2	245.7	139.7	237.3	299.7	312.4
2005	08	2005_8	356.7	914.8	228.7	318.6	269.7	192.0	249.6	168.3	299.9	319.3	305.6
2005	09	2005_9	187.8	577.0	135.2	199.1	150.5	104.7	172.0	96.7	187.2	139.2	159.0
2005	10	2005_10	242.1	579.2	155.0	195.0	238.6	116.2	200.9	240.2	295.1	177.4	135.8
2005	11	2005_11	130.0	324.1	82.3	132.6	138.4	75.9	81.4	133.3	129.3	102.1	64.7
2005	12	2005_12	49.5	83.1	36.6	48.0	37.0	32.6	45.0	51.6	34.1	41.9	47.6
2006	01	2006_1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.7	16.1	14.8
2006	02	2006_2	0.0	362.6	177.2	75.0	165.6	177.0	14.7	63.4	71.0	6.4	12.1
2006	03	2006_3	373.3	1187.6	463.8	234.9	206.0	433.7	41.6	205.7	138.4	12.1	49.2
2006	04	2006_4	146.2	216.4	76.3	35.3	19.5	66.1	15.8	45.1	64.3	213.4	211.5
2006	05	2006_5	50.2	474.0	206.5	117.9	45.7	141.1	76.7	60.9	205.4	231.3	166.5
2006	06	2006_6	86.2	1034.4	390.4	320.7	214.7	314.1	222.9	183.2	412.7	438.4	342.3
2006	07	2006_7	328.8	1394.6	471.8	441.2	240.8	446.5	276.0	339.5	538.3	511.5	399.9
2006	08	2006_8	254.2	888.9	248.7	289.3	279.9	196.5	237.8	228.5	336.9	258.1	307.2
2006	09	2006_9	261.7	698.6	200.9	237.7	179.1	145.5	192.4	156.7	184.9	192.9	200.9
2006	10	2006_10	162.5	518.7	98.8	149.0	157.0	99.5	117.8	96.3	193.7	123.7	145.9
2006	11	2006_11	113.0	337.8	120.6	119.5	58.9	133.2	79.3	123.6	57.4	55.0	34.4
2006	12	2006_12	45.0	14.7	32.7	22.0	36.3	42.0	15.8	0.2	14.1	9.9	8.3
2007	01	2007_1	1.7	11.3	1.5	15.2	20.2	13.4	6.5	19.5	5.0	3.6	5.5
2007	02	2007_2	97.8	147.2	66.3	24.6	52.6	53.2	18.4	57.3	48.9	18.4	18.6
2007	03	2007_3	102.1	295.2	99.6	77.1	94.4	78.3	70.4	74.6	53.9	73.1	60.6
2007	04	2007_4	38.4	1249.7	552.7	364.9	168.5	280.0	266.7	317.6	343.8	320.4	202.4
2007	05	2007_5	12.6	905.2	423.3	319.1	141.9	230.5	214.3	158.6			

YYYY	MM	YYYY_MM	E-10	E-11	E-12	E-13	E-14	E-15	E-16	E-17	E-18	E-19	E-20
			Irr_Lighvan Chay	Irr_Bagmaruf	Irr_Nojadeh	Irr_Tazeh Kand	Irr_Esfanjan	Irr_Satelli	Irr_Azar Shahr Chay	Irr_Sarbangholi	Irr_Koosik, Qareh Tappeh	Irr_Ajabsir	Irr_Bonab Maragheh
2008	03	2008_3	200.7	173.0	30.0	12.9	30.0	25.4	1.4	39.2	9.2	2.3	18.0
2008	04	2008_4	211.2	761.7	318.3	641.4	643.2	550.0	155.8	102.9	156.4	537.9	358.0
2008	05	2008_5	233.1	1188.7	387.3	347.6	276.9	242.7	235.1	240.6	443.5	254.3	254.3
2008	06	2008_6	242.9	913.0	220.7	359.9	282.9	154.8	244.4	197.0	328.0	328.0	302.9
2008	07	2008_7	349.9	1300.0	398.8	441.8	360.8	365.9	258.8	258.8	464.5	409.7	343.1
2008	08	2008_8	390.8	1366.0	359.4	474.2	354.7	306.7	267.4	231.2	353.1	383.8	347.6
2008	09	2008_9	267.8	810.3	285.5	319.1	325.9	307.7	286.6	308.3	326.5	243.9	255.9
2008	10	2008_10	180.9	505.0	149.2	204.2	189.6	177.4	169.4	143.9	184.0	201.8	221.0
2008	11	2008_11	103.7	27.1	20.7	34.1	65.1	19.5	53.2	7.6	20.0	66.7	54.1
2008	12	2008_12	160.8	199.8	179.6	199.3	199.4	216.6	170.1	94.1	143.2	64.9	75.3
2009	01	2009_1	16.0	172.1	53.6	72.5	72.7	56.4	66.9	64.0	27.0	40.8	46.9
2009	02	2009_2	104.0	260.0	58.1	63.5	53.1	36.8	30.8	21.7	12.1	3.9	16.0
2009	03	2009_3	168.4	728.5	248.1	187.3	202.7	202.7	112.5	296.6	186.6	48.2	28.0
2009	04	2009_4	0.0	1299.7	510.1	396.7	38.6	351.8	59.0	337.7	267.5	358.9	116.7
2009	05	2009_5	66.7	899.3	349.3	365.8	51.6	172.6	90.8	143.0	136.1	157.4	125.8
2009	06	2009_6	261.6	1150.2	413.0	295.1	248.7	175.9	166.9	344.7	319.0	210.1	212.6
2009	07	2009_7	367.3	1351.5	424.3	428.2	318.8	375.8	288.0	318.8	449.7	328.1	298.0
2009	08	2009_8	360.1	1377.5	455.5	404.2	301.5	362.3	277.7	352.1	428.1	284.2	331.2
2009	09	2009_9	310.6	748.6	228.5	238.8	252.0	196.8	194.3	205.1	261.7	156.7	182.6
2009	10	2009_10	193.2	483.6	155.7	185.8	189.5	166.7	161.9	160.5	225.1	127.1	136.6
2009	11	2009_11	133.5	433.2	156.6	156.1	138.2	160.1	124.6	131.3	141.5	80.4	88.8
2009	12	2009_12	80.7	21.8	6.8	3.5	11.1	2.5	5.2	9.1	0.3	0.4	1.0
2010	01	2010_1	130.5	876.5	343.7	251.8	145.9	259.0	180.9	246.4	138.4	81.3	69.0
2010	02	2010_2	0.0	0.0	0.0	1.6	6.4	5.6	15.9	2.0	11.6	83.7	46.2
2010	03	2010_3	211.6	738.8	206.0	230.3	257.9	201.2	113.4	205.2	325.7	21.6	55.5
2010	04	2010_4	20.5	183.5	115.2	36.7	21.3	87.2	24.9	44.6	59.2	47.4	35.9
2010	05	2010_5	45.9	510.2	228.2	179.4	80.1	186.5	104.5	86.2	183.7	165.4	120.9
2010	06	2010_6	196.2	815.2	225.7	270.1	182.2	201.1	209.3	192.9	266.0	249.6	252.8
2010	07	2010_7	315.5	1287.9	392.2	472.4	250.9	403.4	245.7	250.9	365.5	304.3	387.1
2010	08	2010_8	229.3	873.3	232.4	336.5	201.1	260.6	278.6	214.4	345.9	292.7	298.2
2010	09	2010_9	234.5	701.6	190.1	272.4	214.9	200.5	216.2	162.7	240.4	177.0	171.2
2010	10	2010_10	156.6	514.0	139.7	176.2	150.3	138.3	151.7	146.0	160.1	139.7	136.9
2010	11	2010_11	92.6	439.8	87.6	102.2	116.5	80.3	99.0	95.2	137.0	74.2	72.1
2010	12	2010_12	4.9	47.3	40.2	22.9	15.1	42.2	19.3	15.1	10.4	20.9	6.2
2011	01	2011_1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	02	2011_2	10.4	295.3	50.1	73.5	127.0	49.9	79.0	57.3	66.8	65.2	103.1
2011	03	2011_3	214.7	901.0	226.5	249.2	266.5	294.3	127.5	139.6	127.5	165.5	179.9
2011	04	2011_4	34.2	160.3	50.1	29.1	23.0	75.0	5.2	64.2	56.2	111.1	117.2
2011	05	2011_5	126.3	1246.1	416.5	408.0	238.4	377.2	118.9	396.6	211.1	190.0	73.4
2011	06	2011_6	199.5	929.1	232.7	319.0	222.7	233.4	225.7	190.3	258.1	261.2	259.6
2011	07	2011_7	279.8	1074.9	267.6	407.1	317.3	276.3	279.8	175.2	306.9	374.9	341.7
2011	08	2011_8	312.3	835.1	187.4	356.2	292.2	211.3	227.5	165.8	307.7	292.2	310.7
2011	09	2011_9	238.1	641.6	142.2	267.5	250.5	160.8	171.0	173.8	272.5	207.1	217.8
2011	10	2011_10	109.5	378.2	96.0	155.0	187.4	109.9	97.1	76.7	183.5	117.6	145.3
2011	11	2011_11	75.0	2.3	0.4	1.6	23.1	0.0	6.3	1.4	4.2	4.4	4.9
2011	12	2011_12	114.6	278.4	83.8	84.6	119.9	84.7	92.6	64.6	52.5	87.3	75.1
2012	01	2012_1	67.1	156.5	49.7	51.8	61.8	50.0	47.6	42.6	47.6	41.1	49.2
2012	02	2012_2	120.2	193.6	51.6	37.6	78.5	53.8	20.7	43.3	26.3	11.6	14.8
2012	03	2012_3	179.0	223.6	57.7	44.3	115.4	65.2	10.3	34.0	87.9	49.0	10.9
2012	04	2012_4	232.2	557.4	170.2	126.1	116.4	130.5	41.1	57.2	91.9	14.2	22.5
2012	05	2012_5	222.2	664.6	244.5	232.3	122.2	214.8	132.4	116.8	117.5	166.1	135.8
2012	06	2012_6	221.9	1154.8	382.4	416.9	260.5	298.4	274.8	190.8	269.0	358.9	309.3
2012	07	2012_7	320.2	995.3	280.5	411.2	348.3	300.3	256.5	193.6	293.7	307.8	373.1
2012	08	2012_8	406.3	1214.1	266.0	339.4	334.6	160.4	260.4	278.9	311.2	289.4	324.9
2012	09	2012_9	318.4	745.3	163.0	274.5	247.8	160.7	209.9	139.9	253.2	211.7	215.8
2012	10	2012_10	287.0	426.5	92.3	210.1	216.8	97.8	182.6	203.4	259.2	139.0	146.1
2012	11	2012_11	84.6	87.6	14.8	54.8	66.3	18.7	38.2	59.2	57.7	74.6	57.4
2012	12	2012_12	66.7	238.9	84.5	92.6	85.0	108.4	89.4	81.1	68.7	96.5	89.0
2013	01	2013_1	75.5	492.4	119.6	117.2	35.8	97.3	117.2	54.0	82.2	245.5	159.9
2013	02	2013_2	19.8	15.3	4.7	1.8	0.0	1.0	2.9	10.2	27.3	82.1	83.1
2013	03	2013_3	142.0	379.0	103.3	76.1	91.0	96.3	44.9	123.9	125.5	22.6	39.5
2013	04	2013_4	188.7	789.4	238.2	238.2	210.6	207.1	132.6	202.0	228.0	180.5	147.4
2013	05	2013_5	142.4	737.8	279.9	248.2	161.4	239.3	112.9	169.1	142.4	81.8	166.4
2013	06	2013_6	278.7	970.8	258.3	302.4	214.2	139.4	200.0	169.3	218.9	247.2	262.2
2013	07	2013_7	328.0	1194.1	333.3	512.4	378.5	365.2	294.3	257.1	375.0	311.2	316.5
2013	08	2013_8	326.4	1123.9	342.5	372.3	276.6	262.8	219.1	236.7	322.5	236.0	258.2
2013	09	2013_9	272.5	828.2	206.7	327.0	334.1	223.0	253.4	226.5	317.1	280.3	287.4
2013	10	2013_10	313.1	856.4	289.5	261.8	240.9	195.4	217.2	150.3	240.4	185.5	190.0
2013	11	2013_11	168.1	427.8	135.0	148.9	158.9	130.4	145.5	113.5	139.6	126.0	120.5
2013	12	2013_12	0.0	131.2	89.4	12.5	14.7	1.6	7.8	55.9	42.1	0.0	0.0
2014	01	2014_1	5.7	67.5	19.1	30.4	15.0	41.8	29.0	39.8	13.9	25.4	19.3
2014	02	2014_2	119.7	134.8	43.2	46.8	49.6	45.8	55.1	34.5	45.3	32.0	25.4
2014	03	2014_3	234.5	537.7	133.8	120.0	168.6	144.5	153.6	157.9	163.8	92.8	155.1
2014	04	2014_4	137.8	457.7	148.1	122.5	96.0	97.9	121.1	148.6	154.5	169.8	149.1
2014	05	2014_5	259.0	735.3	256.3	242.5	149.3	213.4	200.8	102.4	108.3	175.7	165.2
2014	06	2014_6	245.3	814.2	269.0	307.3	238.8	216.0	202.1	162.2	189.1	250.2	224.1
2014	07	2014_7	291.6	951.4	314.5	359.4	279.3	252.0	236.1	189.4	221.1	292.5	261.6
2014	08	2014_8	303.8	948.0	256.8	322.9	305.5	174.1	285.5	181.9	340.4	307.3	358.6
2014	09	2014_9	237.6	598.1	193.0	250.3	235.0	158.0	219.7	178.3	214.0	206.4	219.1

Appendix 5-6
Reference of Agricultural Water Allocation

Title Page of “Studies on Updating National Water Master Plan In Basins of Aras, Urmia, Talesh-Anzali Wetland, Greater Sefidrood, Sefidrood - Haraz, Haraz - Ghareh Sou, Gorganrood and Atrak Agriculture Studies Urmia Watershed” (IWRM, 2013 June)

دفتر کل برنامه‌ریزی کلان آب و آبفا

به‌نگام‌سازی طرح جامع آب کشور در حوضه‌های
ارس، (تالش-تالاب انزلی)، سفیدرود بزرگ،
بین سفیدرود و هراز، (هراز-قره‌سو)،
(گرگانرود-قره‌سو)، اترک، ارومیه

مطالعات مصارف کشاورزی
حوضه آبریز دریاچه ارومیه

خرداد ماه ۱۳۹۲
۲۳۸۵۰۷۰ - ۴۴۲۰ - ۱۹۴۶۴

Table 3-4 : Total agricultural lands under cultivation (irrigated crops, irrigated garden production) and gross water requirement in configuration units in Urmia lake watershed (thousand cubic meters) (1) in “Studies on Updating National Water Master Plan In Basins of Aras, Urmia, Talesh-Anzali Wetland, Greater Sefidrood, Sefidrood - Haraz, Haraz - Ghareh Sou, Gorganrood and Atrak Agriculture Studies Urmia Watershed” (IWRM, 2013 June)

جدول ۳-۴- مجموع سطوح اراضی تحت کشت محصولات آبی زراعی و باغی و آب مورد نیاز ناخالص در بازه های پیکربندی حوضه آبریز دریاچه ارومیه (هزار مترمکعب)

کد بازه	مساحت (ha)	مهر	آبان	آذر	دی	بهمن	اسفند	فروردین	اردیبهشت	خرداد	تیر	مرداد	شهریور	سالانه
OS1	302	330	236	3	0	0	7	228	303	736	901	911	719	4374
OS2	268	245	236	4	0	0	11	208	280	627	700	701	550	3562
OS3	17052	11071	7192	116	0	0	291	6881	10868	35140	50924	51413	32874	206770
OS4	2354	2880	1528	7	0	0	18	1642	2246	6032	7968	8121	6390	36835
OS5	3874	3508	3164	0	0	108	755	4915	7194	12249	9653	7809	6369	55724
OS6	4504	3067	4152	0	0	151	1057	5761	8588	13927	9405	7360	5869	59337
OS7	3804	3083	671	0	0	20	139	1637	4384	11973	13878	11815	8398	55999
OS8	2276	2406	1372	0	0	45	315	2369	4031	8019	7516	6269	4990	37333
OS9	2159	1835	1554	0	0	55	388	2324	3920	7506	6351	5008	3970	32913
OS10	5974	4287	812	0	0	28	193	1715	5493	16860	19853	17351	12301	78892
OS11	2276	1555	77	0	0	2	15	329	1918	6188	7397	6420	4765	28667
OS12	308	315	13	0	0	0	0	93	353	1008	1225	1082	811	4898
OS13	244	244	174	0	0	6	43	269	466	901	800	680	530	4111
OS14	6797	6499	453	0	0	9	65	1883	7062	20440	24643	21933	16570	99557
OS15	412	375	40	0	0	1	8	123	444	1213	1428	1265	960	5858
OS16	8670	5271	4624	0	0	165	1156	6905	11721	21950	18140	13918	11027	94878
OS17	1294	1035	1065	0	0	42	295	1334	2763	6054	5137	3825	2872	24423
OS18	598	445	496	0	16	54	117	652	1141	2001	1453	1019	840	8234
OS19	482	271	446	0	15	54	115	539	885	1378	871	694	553	5820
OS20	221	243	145	0	4	13	28	218	385	701	614	566	468	3384
OS21	265	49	243	0	9	32	68	267	436	879	516	171	123	2791
OS22	14786	10694	8683	0	297	1038	2225	10748	20161	45499	39797	35748	26563	201452
OS23	13490	11635	6651	0	214	748	1603	9099	19226	42607	39511	36079	27300	194672
OS24	1473	778	1209	0	40	142	304	1484	2433	4306	3161	2309	1555	17721
OS25	721	617	600	0	19	66	142	793	1410	2700	2321	1905	1282	11854
OS26	3213	1464	3867	0	136	477	1021	4521	6994	11233	6601	4269	2932	43516
OS27	895	248	656	0	0	0	63	723	1319	2196	1368	1078	689	8339
OS28	2075	337	1870	0	0	0	183	2000	3546	4802	1922	1235	767	16662
OS29	8974	2299	7250	0	0	0	696	8287	16999	24225	14406	10379	6099	90638
OS30	13302	3073	11013	0	0	0	1072	12506	28531	39851	24706	17873	9654	148278
OS31	2252	523	1825	0	0	0	179	1884	3337	5411	2956	2206	1492	19813
OS32	1745	651	1272	0	0	0	120	1445	2542	4223	2748	2245	1639	16885
OS33	2444	3077	1272	0	19	68	145	2214	3552	6785	6813	6285	5207	35437
OS34	3057	4475	1161	0	3	11	24	2453	4158	8687	9654	9232	7716	47573
OS35	171	302	80	0	0	0	0	173	265	535	600	573	485	3012
OS36	5238	7617	3461	0	67	234	501	5718	9667	18291	17518	16272	13563	92910
OS37	741	846	488	0	13	45	97	727	1408	2722	2572	2321	1820	13060
OS38	667	306	757	0	26	92	198	887	1317	1986	1206	904	596	8276
OS39	3487	2428	804	0	27	96	205	1191	3702	8854	8801	8273	6436	40817
OS40	744	618	156	0	3	10	21	275	729	1843	1925	1812	1441	8834

Table 3-4 : Total agricultural lands under cultivation (irrigated crops, irrigated garden production) and gross water requirement in configuration units in Urmia lake watershed (thousand cubic meters) (2) in “Studies on Updating National Water Master Plan In Basins of Aras, Urmia, Talesh-Anzali Wetland, Greater Sefidrood, Sefidrood - Haraz, Haraz - Ghareh Sou, Gorganrood and Atrak Agriculture Studies Urmia Watershed” (IWRM, 2013 June)

ادامه جدول ۳-۴- مجموع سطوح اراضی تحت کشت محصولات آبی زراعی و باغی و آب مورد نیاز ناخالص در بازه های پیکربندی حوضه آبریز دریاچه ارومیه (هزار مترمکعب)

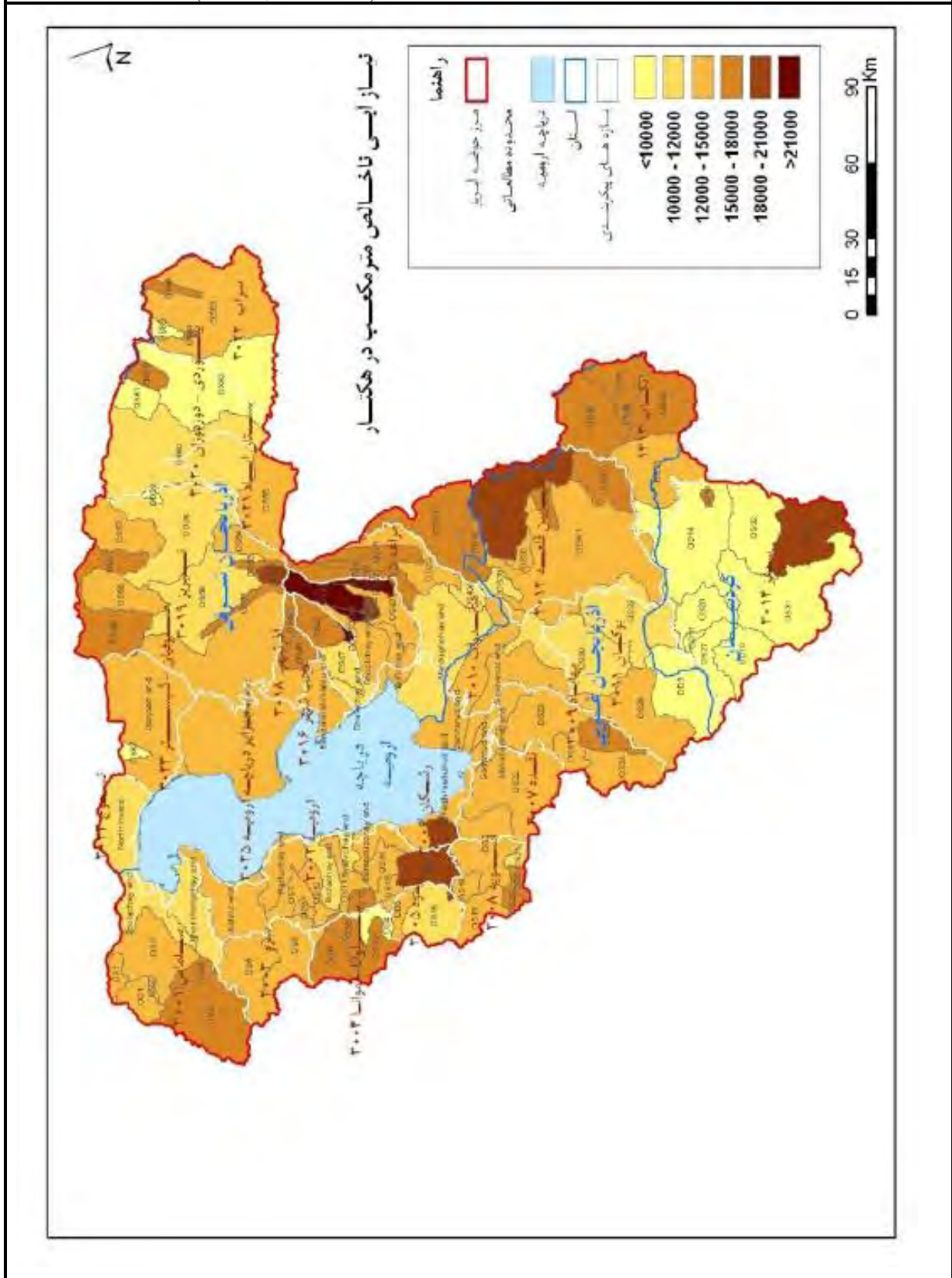
سالانه	شهریور	مرداد	تیر	خرداد	اردیبهشت	فروردین	اسفند	بهمن	دی	آذر	آبان	مهر	مساحت (ha)	کد بازه
48561	8557	11345	12226	9151	3522	474	0	0	0	0	188	3098	1902	OS42
106991	17718	23553	26103	21609	9038	1932	546	248	74	0	1331	4838	7189	OS43
10927	1813	2698	2973	2207	867	28	0	0	0	0	3	340	528	OS44
24590	4229	5979	6501	4836	1885	139	0	0	0	0	42	978	1149	OS45
10842	1876	2663	2898	2149	829	29	0	0	0	0	3	397	513	OS46
33688	4420	6831	7838	7745	3271	1017	322	124	37	0	782	1300	3051	OS47
34801	4764	7108	8115	7711	3490	1069	130	50	15	0	616	1733	2068	OS48
13020	1951	2677	3056	2725	1235	371	118	54	16	0	281	536	864	OS49
20114	3328	4462	4879	3893	1633	388	61	28	8	0	227	1206	1149	OS50
23683	3894	5183	5620	4446	1973	583	67	31	9	0	320	1557	1380	OS51
6582	1045	1352	1476	1181	528	295	15	7	2	0	146	535	359	OS52
3446	563	716	765	610	279	150	11	5	2	0	79	267	195	OS53
19978	3103	3995	4239	3502	1678	1253	160	0	0	29	741	1279	1486	OS54
94252	15604	21460	22409	16694	6185	4421	193	0	0	35	2012	5239	6335	OS55
129176	9887	13641	20685	32854	20790	11906	3744	1702	511	0	9277	4179	11018	OS56
25130	3674	4553	4852	4327	2534	1873	288	0	0	52	1176	1799	2051	OS57
44907	6285	8102	9031	8878	4905	2410	493	224	67	0	1597	2915	3061	OS58
80106	11436	15294	17045	15875	8229	3613	758	344	103	0	2405	5003	5215	OS59
170402	16011	22260	27456	35678	23119	18370	5826	0	0	1059	15501	5120	16898	OS60
19805	1774	2212	2792	3972	2989	2387	687	0	0	125	1929	938	2050	OS61
125402	12303	15572	18445	24835	17919	14218	4138	0	0	752	11543	5677	12565	OS62
258434	31232	39695	47335	50179	30357	22927	5289	0	0	962	16690	13769	21422	OS63
1589	256	320	343	273	129	95	6	0	0	1	48	117	99	OS64
0	0	0	0	0	0	0	0	0	0	0	0	0	0	OS65
283	50	61	63	48	21	13	0	0	0	0	5	23	16	OS66
0	0	0	0	0	0	0	0	0	0	0	0	0	0	OS67
35185	5338	6715	7305	7361	3394	1456	165	77	22	0	889	2463	1915	OS68
10406	1795	2297	2259	1738	644	451	8	0	0	3	431	779	706	OD1
9143	1657	2183	2147	1588	487	253	3	0	0	1	214	609	582	OD2
6526	1089	1435	1607	1326	471	137	2	0	0	0	29	430	504	OD3
13125	864	1346	1934	3492	2211	1408	340	49	0	0	1219	262	1430	OD4
28391	3139	4024	5104	6696	3692	2211	420	60	0	0	1611	1434	1921	OD5
7504	1010	1251	1496	1635	820	422	54	25	7	0	278	507	424	OD6
228561	28891	38412	45935	53855	24242	11994	2498	1166	333	0	9573	11662	16614	OD7
5491	425	565	738	1324	915	598	134	62	18	0	507	207	390	OD8
22406	1756	2597	3474	5919	3832	2085	171	0	0	0	1813	759	2463	OD9
5357	472	617	825	1419	862	480	43	0	0	0	448	189	589	OD10
3669	188	252	385	1031	783	465	42	0	0	0	436	88	451	OD11
5028	674	873	939	1065	683	307	15	0	0	51	69	351	278	OD12
3843	390	478	565	910	695	359	19	0	0	58	74	295	232	OD13

Table 3-4 : Total agricultural lands under cultivation (irrigated crops, irrigated garden production) and gross water requirement in configuration units in Urmia lake watershed (thousand cubic meters) (3) in “Studies on Updating National Water Master Plan In Basins of Aras, Urmia, Talesh-Anzali Wetland, Greater Sefidrood, Sefidrood - Haraz, Haraz - Ghareh Sou, Gorganrood and Atrak Agriculture Studies Urmia Watershed” (IWRM, 2013 June)

ادامه جدول ۳-۴- مجموع سطوح آراشی تحت کشت محصولات آبی زراعی و باغی و آب مورد نیاز ناخالص در بازه های پیکربندی حوضه آبریز دریاچه ارومیه (هزار مترمکعب)

مساحت (ha)	مهر	آبان	آذر	دی	بهمن	اسفند	فروردین	اردیبهشت	خرداد	تیر	مرداد	شهریور	مسالانه	کد بازه
61035	2019	5563	0	0	0	531	6183	10789	18046	8585	6379	4939	61035	OD14
31270	3054	886	0	3	12	25	1831	2823	5620	6159	5878	4979	31270	OD15
8920	607	371	0	10	35	74	571	1018	1815	1684	1537	1198	8920	OD16
33340	2620	818	0	11	40	86	1579	3095	6567	6953	6459	5112	33340	OD17
14881	1052	434	0	16	53	116	705	1481	2781	3152	2869	2222	14881	OD18
62431	5108	956	0	4	14	30	2130	4874	11154	14435	13403	10324	62431	OD19
37784	2683	270	0	0	1	3	634	2837	6946	9209	8632	6568	37784	OD20
37529	2664	268	0	0	1	3	628	2818	6899	9148	8575	6524	37529	OD21
24491	1866	154	0	0	0	0	369	1848	4538	6044	5644	4227	24491	OD22
81799	5536	450	0	1	2	4	1095	6104	15177	20240	18930	14260	81799	OD23
5086	301	4	0	0	0	0	14	367	967	1303	1219	911	5086	OD24
11288	605	0	0	0	0	0	174	996	2124	2882	2642	1845	11288	OD25
30035	1727	2124	123	0	0	677	2885	3632	5595	5207	4553	3512	30035	OD26
11541	811	433	17	0	0	96	727	1072	2070	2375	2200	1740	11541	OD27
0	0	0	0	0	0	0	0	0	0	0	0	0	0	OD28
2747	226	70	1	0	0	3	156	218	458	597	563	454	2747	OD29
274077	12772	19797	0	673	2354	5045	24171	38300	62829	44524	38506	27107	274077	ODW1
274058	13630	15381	0	520	1819	3897	18651	33815	62230	48261	42868	32988	274058	Mardughchay end
90820	2391	5274	0	312	1041	2291	6645	13501	21700	16428	12404	8833	90820	Ghopicchay end
22916	959	686	0	40	132	290	919	2467	4897	5051	4320	3156	22916	Bandarerahmanlu end
466103	16452	24154	0	1315	4385	9646	32485	62972	106851	90247	89673	47922	466103	Ajichay end
54965	3307	2418	170	128	213	979	4442	6970	9426	9877	9543	7492	54965	North rivers
112598	3505	2441	0	140	465	1024	3407	11054	25338	27175	22627	15423	112598	Sufichay end
26854	699	1273	0	62	205	533	970	2196	6346	5970	5235	3366	26854	Ghalechay end
267222	8661	10676	0	587	1957	4306	14306	31249	60140	57942	46567	30830	267222	Daryaan end
300723	16845	17086	0	552	1931	4137	21572	36445	66616	52107	46727	36694	300723	Zarinerud end
18287	801	951	0	18	81	261	1141	2214	4414	3495	2772	2139	18287	Cheshmedulrud end
68719	3640	956	0	0	33	231	1847	5132	15018	17239	14732	9890	68719	Baranduzchay end
54011	2539	1401	0	0	51	359	2187	4703	12383	12881	10389	7118	54011	Rozechay end
74992	5135	1148	0	0	31	220	2727	6174	15294	17266	15223	11774	74992	Kahriz end
30412	1525	2202	59	0	0	148	1722	2503	6008	6022	5881	4341	30412	Khorkhorechay end
31121	1549	1878	0	64	225	482	2273	3726	7146	5427	4770	3581	31121	Mahabadrud end
191553	9189	13603	0	460	1612	3453	16310	24811	43749	30987	26978	20400	191553	Siminerud end
50124	2856	372	0	0	12	81	910	3425	10637	12566	11107	8159	50124	Shahrchay end
130923	5713	3595	0	0	131	916	5266	9789	28384	32419	27751	16960	130923	Nazluchay end
62369	3019	3371	86	0	0	214	2677	3714	11788	14102	13958	9441	62369	Zoolachay end
10028	435	660	0	23	82	176	757	1179	2351	1739	1519	1107	10028	Godarrud end
6632486	330185	308433	3718	7073	24987	80994	405070	747626	1439579	1319512	1135134	830176	6632486	Total

Figure 3-2: Distribution of Gross Water Requirement in Lake Urmia Watershed in “Studies on Updating National Water Master Plan In Basins of Aras, Urmia, Talesh-Anzali Wetland, Greater Sefidrood, Sefidrood - Haraz, Haraz - Ghareh Sou, Gorganrood and Atrak Agriculture Studies Urmia Watershed” (IWRM, 2013 June)



Appendix 5-7
Calibration Result for Daily Trend

■ Southern Part

Ref No.	River	Hydrological Station	Station Code	Catchment Area (km ²)
S-1	Saghez chay	Ghabghablu	33-007	660
S-2	Jighato chay	Pol anian (pol saheb)	33-015	1,221
S-3	Kherkhereh chay	Santeh	33-919	766
S-4	Sarugh chay	Safakhaneh	33-021	2,219
S-5	Zarineh rud	Bukan Dam (Inflow)	-	6,994
S-6	Zarineh rud	Nezam abad	33-917	11,578
S-7	Simineh rud	Dashband bukan	33-035	2,431
S-8	Simineh rud	Miandoab (Simine rud)	33-037	3,783
S-9	Mahad chay	Kuter	34-003	415
S-10	Mahabad chay	Gard yaghub	34-009	1,635
S-11	Gadar chay	Pi ghaleh	34-011	225
S-12	Gadar chay	Pol bahramlu santu	34-021	2,090

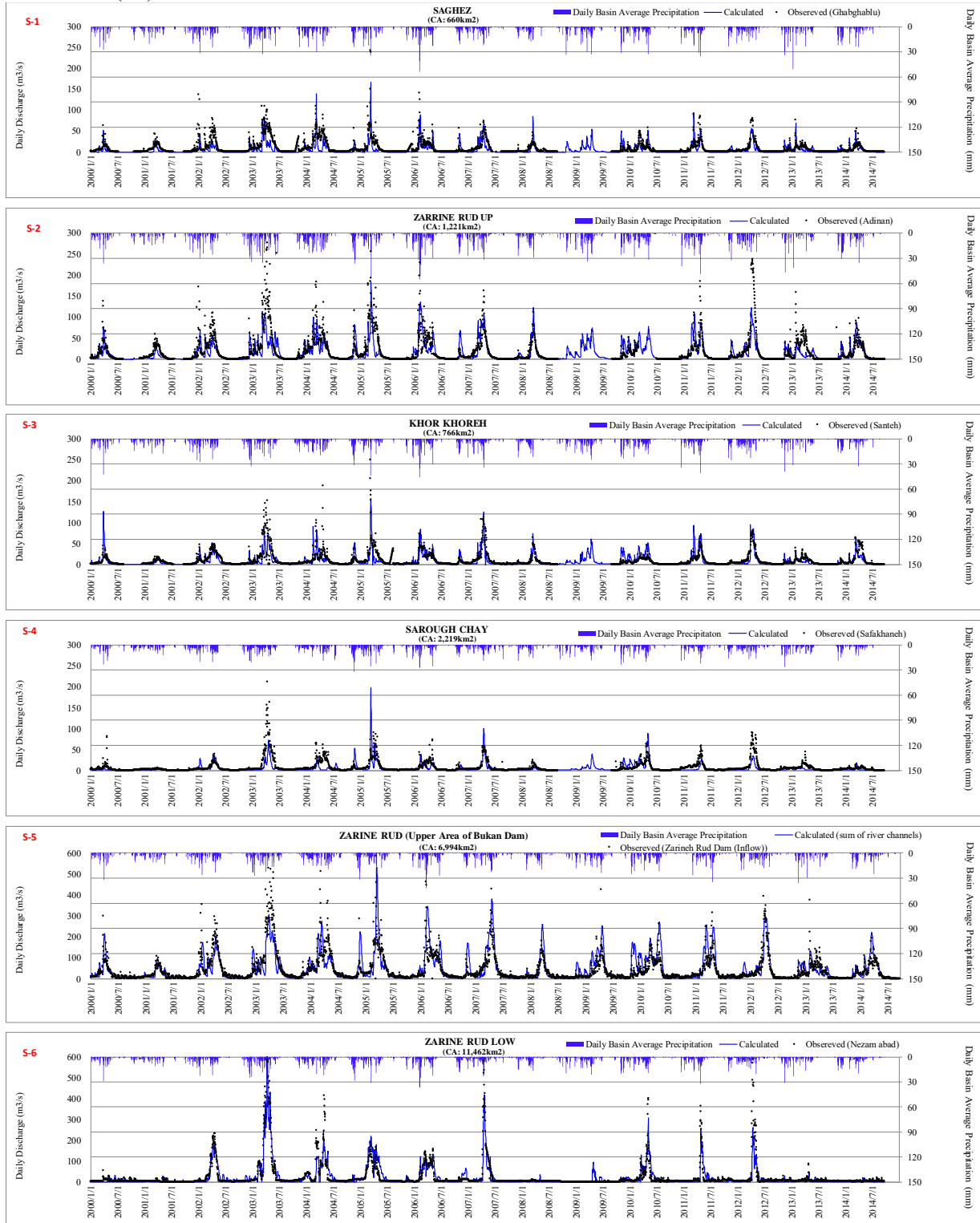
■ Western Part

No.	River	Hydrological Station	Station Code	Catchment Area (km ²)
W-1	Zola chay	Yalghuz aghaj	36-011	2,204
W-2	Zola chay	Chehrigh olia	36-001	819
W-3	Nazlu chay	Abajalu sofia	35-033	1,965
W-4	Nazlu chay	Tapik	35-031	1,715
W-5	Arzin chay	Karim abad (arzin)	35-045	506
W-6	RozeH chay	Guyjali aslan	35-037	331
W-7	Shahr chay	Kashtiban	35-013	670
W-8	Shahr chay	Band urmia	35-011	418
W-9	Shahr chay	Badasor	-	-
W-10	Baranduz chay	Babarud	35-007	1,160
W-11	Baranduz chay	Dizaj (orumieh)	35-005	618
W-12	Baranduz chay	Hashem abad bibakran	35-003	382
W-13	Balanj chay	Ghasemlu	35-001	287

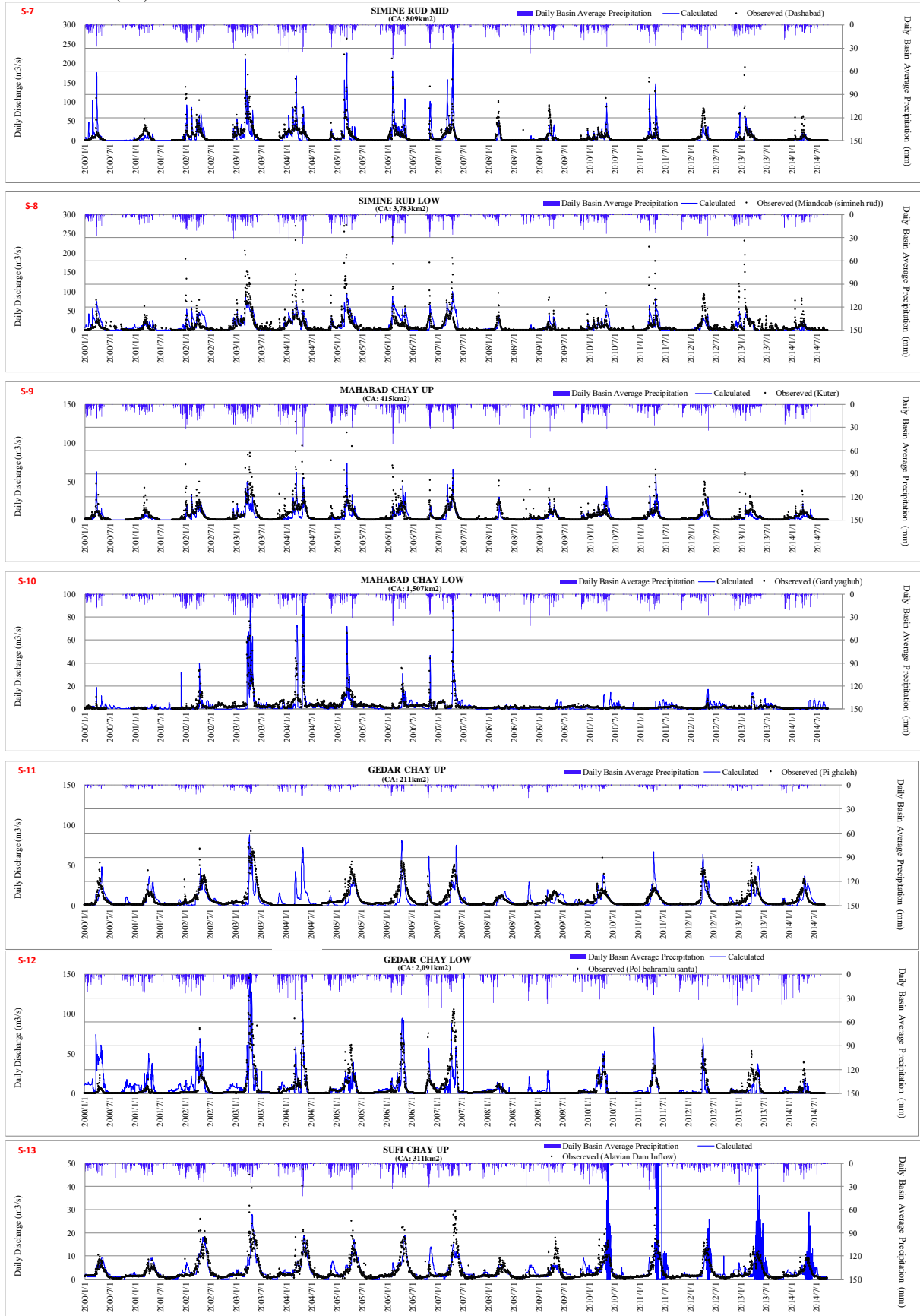
■ Eastern Part

No.	River	Hydrological Station	Station Code	Catchment Area (km ²)
E-1	Aghmiun chay	Sahzab	31-001	73
E-2	Tajyar sarab	Mirkuh haji	31-032	128
E-3	Ajichay	Saransar	31-005	1,700
E-4	Mehrban (Chekeh chay)	Mehrban	31-109	391
E-5	Ojan chay	Bostan abad	31-007	575
E-6	Ajichay	Markid	31-117	5,619
E-7	Nahand chay	Nahand	31-011	216
E-8	Saiid abad	Saiid abad	31-013	224
E-9	Ajichay	Vanyar	31-015	7,432
E-10	Lighavan	Harvi	31-021	186
E-11	Gomnab chay	Anakhatun	31-017	396
E-12	Sardorud	Zinjenab	31-031	43
E-13	Ajichay	Akhola	31-045	9,752
E-14	Ajichay	Sarin dizaj	31-085	10,622
E-15	Azar Shahr	Ghermezigol	31-037	103
E-16	Sanikh chay	Pol sanikh	31-029	498

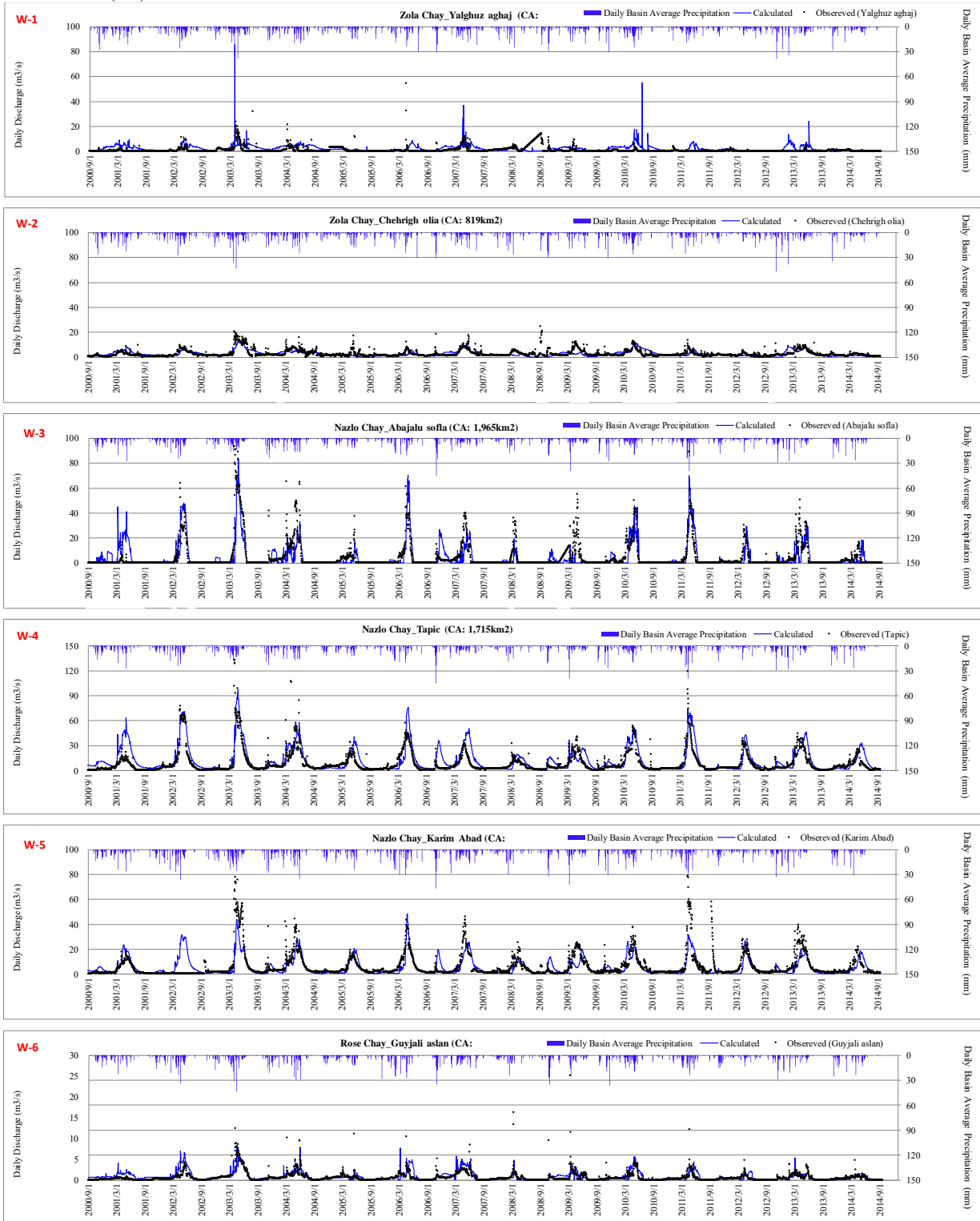
Southern Part (1/2)



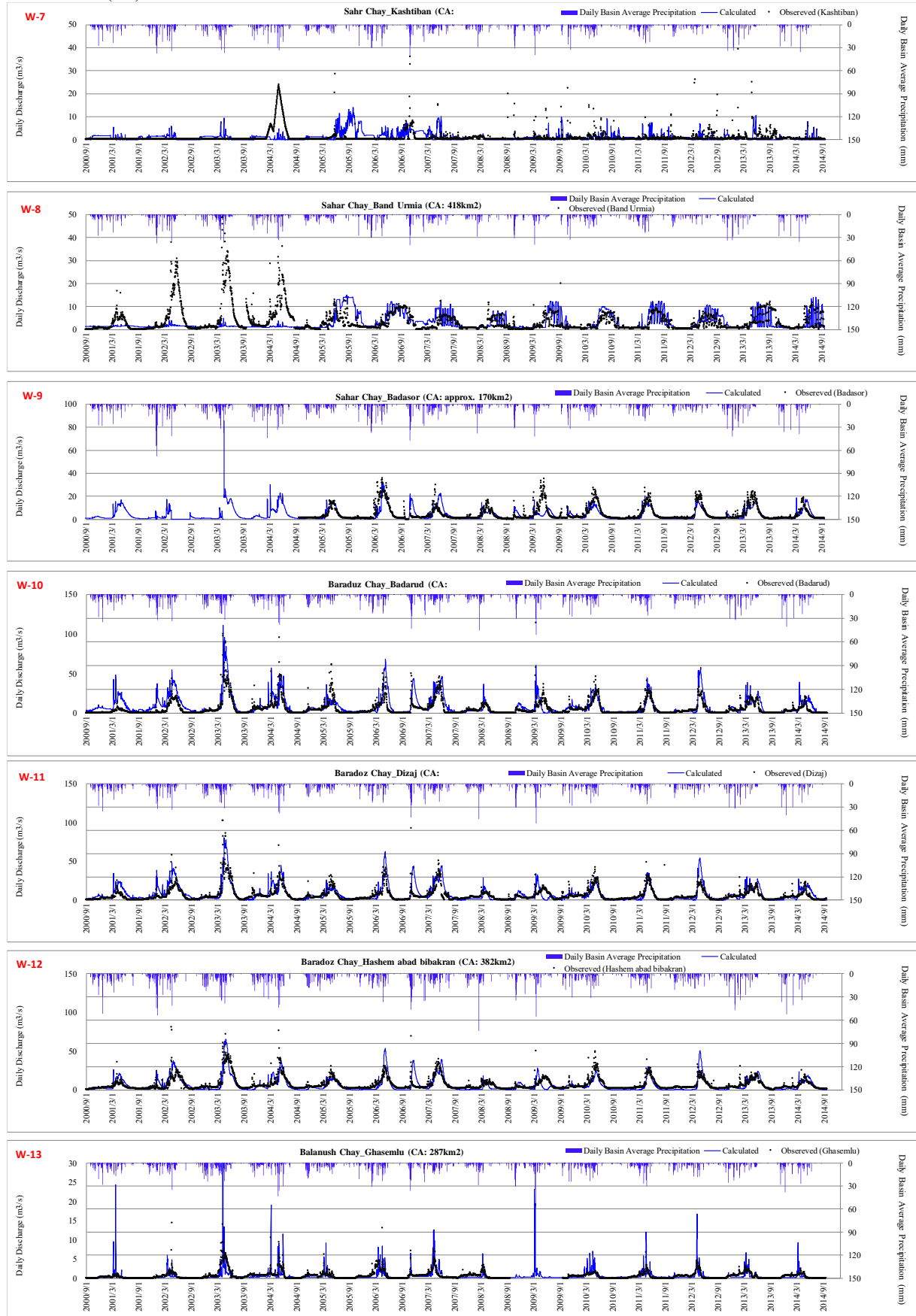
Southern Part (2/2)



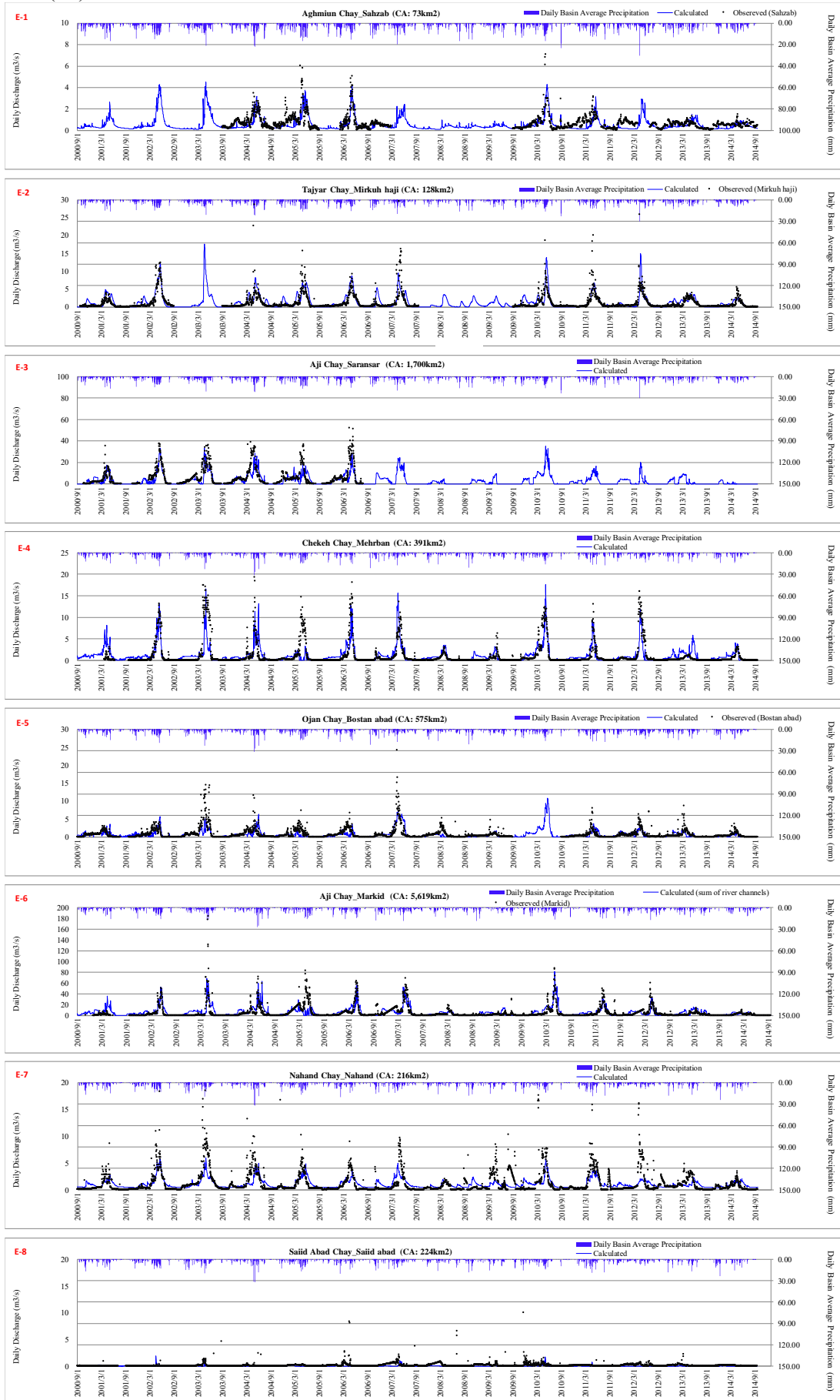
Western Part (1/2)



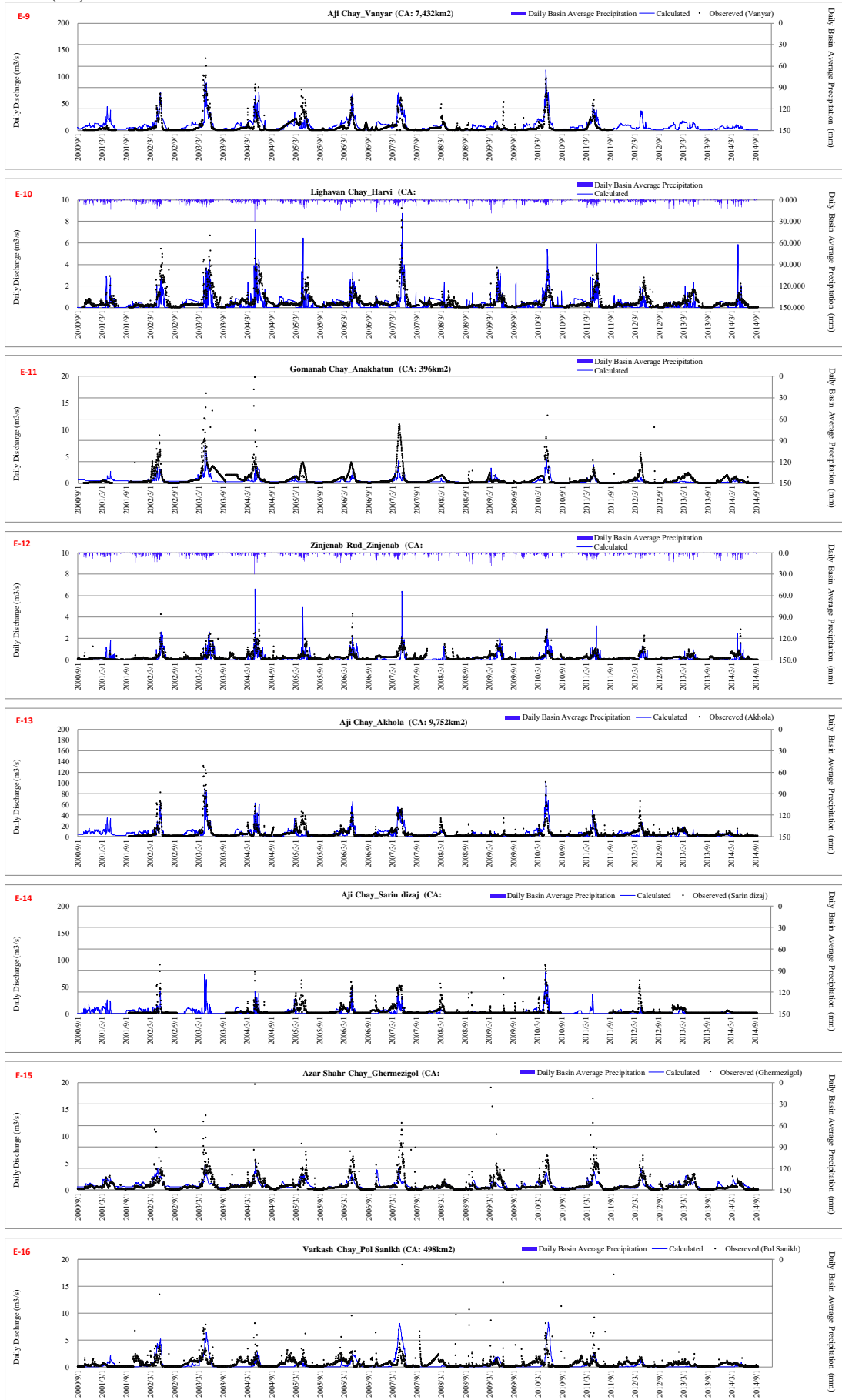
Western Part (2/2)



Eastern Part (1/2)



Eastern Part (2/2)



Appendix 5-8
Applied Modification Ratio to ET for Sub River Basins

(1) Applied Modification Ratio to ET for Sub River Basins (Southern Part)

	Gedar Chay Up	Gedar Chay Mid1	Gedar Chay Mid2	Gedar Chay Low	Mahabad Chay Up	Mahabad Chay Low	Simine Rud Up	Simine Rud Mid	Simine Rud Low	Saghez Chay	Zarineh Rud	Khor Khoreh Chay	Sarough Chay
Jan	0.01	0.1	0.1	0.1	0.5	1	1	1	1	0.5	0.5	0.7	0.7
Feb	0.05	0.1	0.1	0.1	0.5	1	1	1	1	0.5	0.5	0.7	1
Mar	0.3	0.3	0.3	0.3	0.5	1	1	1	1	0.5	0.5	0.7	10
Apr	0.3	0.3	0.3	0.3	0.1	1	1	1	1	0.1	0.1	1.2	5
May	0.3	0.3	0.3	0.3	0.1	1	1	1	1	0.1	0.1	0.5	3
Jun	1	1	1	1	1	1	1	1	1	0.3	0.3	0.5	2.5
Jul	1	1	1	1	1	1	1	1	1	0.5	0.5	0.7	2.5
Aug	1	1	1	1	1	1	1	1	1	0.5	0.5	0.7	2.5
Sep	1	1	1	1	1	1	1	1	1	0.5	0.5	0.7	2.5
Oct	1	1	1	1	1	1	1	1	1	0.5	0.5	0.7	0.7
Nov	1	1	1	1	1	1	1	1	1	0.5	0.5	0.7	0.7
Dec	0.01	0.1	0.1	0.1	1	1	1	1	1	0.5	0.5	0.7	0.7
	Zarineh Rud Mid1	Zarineh Rud Mid2	Zarineh Rud Low	Lilang Chay UL	Lilang Chay UR	Lilang Chay Low	Sufi Chay L Up	Sufi Chay L Low1	Residual south	Gale Chay R Up	Gale Chay L Low2		
Jan	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Feb	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Mar	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Apr	1	1	1	0.1	0.1	1	0.3	1	1	0.1	1		
May	1	1	1	0.1	0.1	1	0.3	1	1	0.1	1		
Jun	1	1	1	0.3	0.3	1	0.3	1	1	0.3	1		
Jul	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Aug	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Sep	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Oct	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Nov	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		
Dec	1	1	1	0.5	0.5	1	0.5	1	1	0.5	1		

(2) Applied Modification Ratio to ET for Sub River Basins (2) (Western Part)

	Zola Chay Up	Zola Chay Mid1	Zola Chay Mid2	Zola Chay Low	Nazlo Chay UL	Nazlo Chay UR	Nazlo Chay Low	Rose Chay Up	Rose Chay Low	Sahar Chay Up
Jan	1.3	1	1	1	0.7	0.3	1	1	1	0.01
Feb	1.3	1	1	1	0.7	0.3	1	1	1	0.01
Mar	1	1	1	1	0.7	0.3	1	1	1	0.01
Apr	1	1	1	1	0.9	0.1	1	1	1	0.1
May	5	1	1	1	0.9	0.1	1	1	1	0.1
Jun	1.3	1	1	1	0.9	0.3	1	1	1	0.3
Jul	1.3	1	1	1	1	0.5	1	1	1	0.3
Aug	1.3	1	1	1	1	0.5	1	1	1	0.3
Sep	1.3	1	1	1	1	0.5	1	1	1	0.3
Oct	1	1	1	1	1	0.5	1	1	1	0.3
Nov	1.1	1	1	1	1	0.5	1	1	1	0.01
Dec	1.2	1	1	1	0.7	0.5	1	1	1	0.01
	Sahar Chay Low	Baradoz UL	Baradoz UR	Baradoz Low	Residual 1-2	Residual 1-1	Residual 2			
Jan	1	1.4	0.5	1	1	1	1			
Feb	1	1.1	0.5	1	1	1	1			
Mar	1	2.4	1.5	1	1	1	1			
Apr	1	1.7	1.5	1	1	1	1			
May	1	0.8	1	1	1	1	1			
Jun	1	0.3	1	1	1	1	1			
Jul	1	0.2	1	1	1	1	1			
Aug	1	0.3	1	1	1	1	1			
Sep	1	0.3	1	1	1	1	1			
Oct	1	0.3	1	1	1	1	1			
Nov	1	1.1	1	1	1	1	1			
Dec	1	1.0	0.5	1	1	1	1			

(3) Applied Modification Ratio for Sub River Basins (3) (Eastern Part)

	Aghmian Chay	Vanagh Chay	Super Chay / Sarogh Chay	Aji Chay Up1	Chekeh Chay	Aji Chay Mid1	Ojan Chay	Par chay	Nahand Chay	Aji Chay Mid2	Gomanab Chay	Lighavan Chay	Aji Chay Mid3
Jan	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1	1.3
Feb	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1	1.3
Mar	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2	1.3
Apr	2	2	2	2	2	2	2	2.5	2.5	2.5	3	2	1.3
May	2	2	2	2	2	2	2	2.5	2.5	2.5	2	1	1
Jun	2	2	2	2	2	2	2	2.5	2.5	2.5	2	1	1
Jul	2	2	2	2	2	2	2	2.5	2.5	2.5	2	1	1
Aug	2	2	2	2	2	2	2	2.5	2.5	2.5	2	1	1.3
Sep	2	2	2	2	2	2	2	2.5	2.5	2.5	2	1	1.3
Oct	1	1	1	1	1	1	1	2.5	2.5	2.5	1	1	1.3
Nov	1	1	1	1	1	1	1	1	1	1	1	1	1.3
Dec	1	1	1	1	1	1	1	1	1	1	1	1	1.3
	Varkash Chay	Aji Chay Low1	Aji Chay Low2	Aji Chay Residual	Residual 3-1	Residual 3-2	Residual4	Lake Urmia Island	Lake Urmia Water Body	Residual west			
Jan	0.5	1	0.5	1	1	1	1	1	1	1			
Feb	0.5	1	0.5	1	1	1	1	1	1	1			
Mar	0.5	1	0.5	1	1	1	1	1	1	1			
Apr	0.7	1	0.8	1	1	1	1	1	1	1			
May	1.5	1	0.8	1	1	1	1	1	1	1			
Jun	1	1	0.7	1	1	1	1	1	1	1			
Jul	1	1	0.5	1	1	1	1	1	1	1			
Aug	1	1	0.5	1	1	1	1	1	1	1			
Sep	1	1	0.5	1	1	1	1	1	1	1			
Oct	1	1	0.5	1	1	1	1	1	1	1			
Nov	1	1	0.5	1	1	1	1	1	1	1			
Dec	0.5	1	0.5	1	1	1	1	1	1	1			