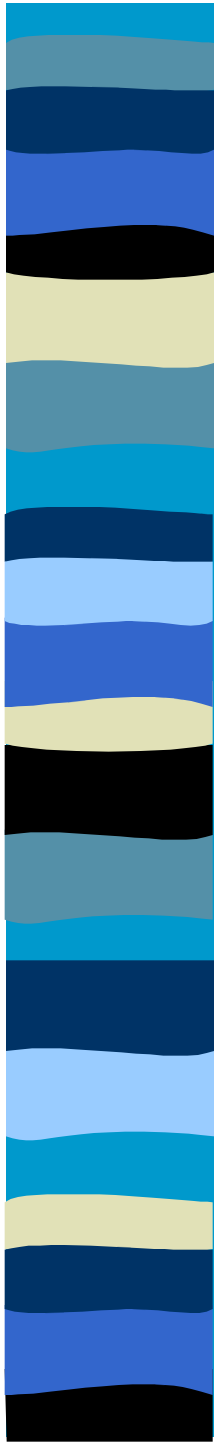
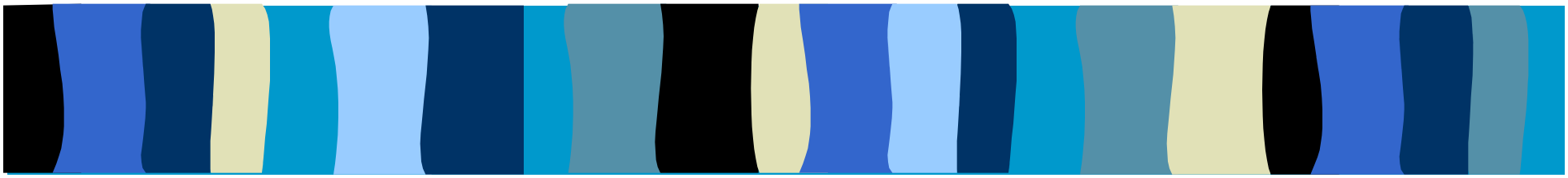
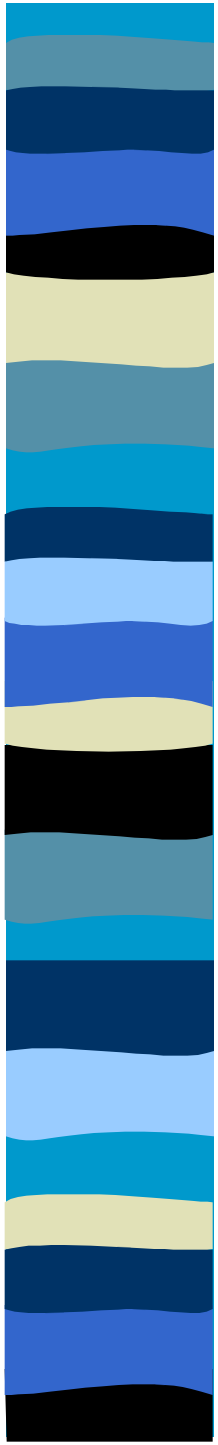
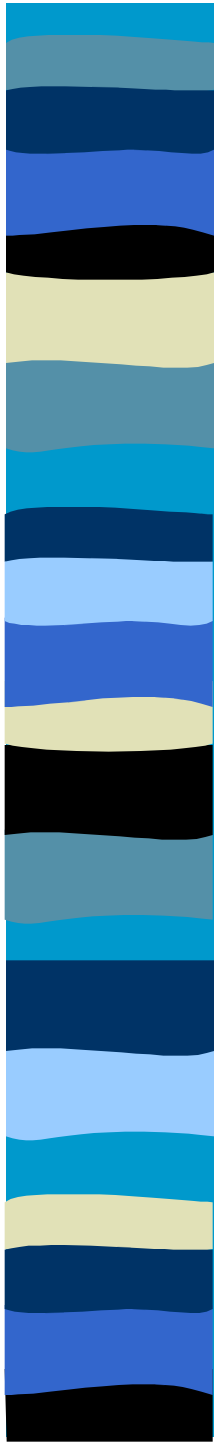
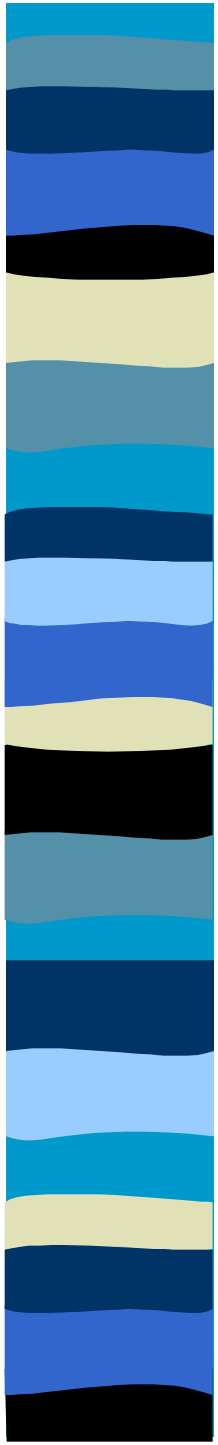
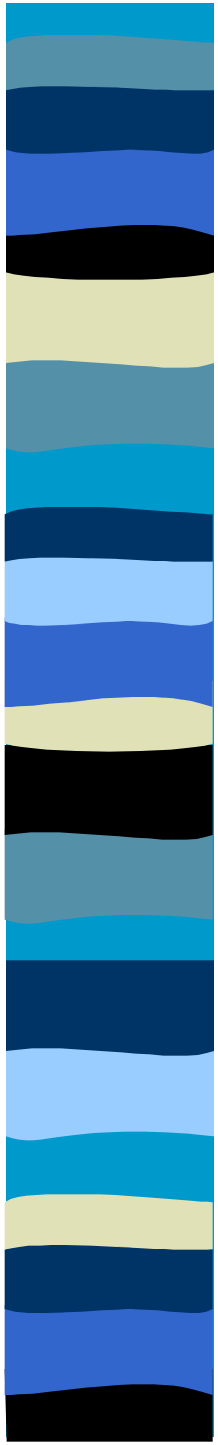


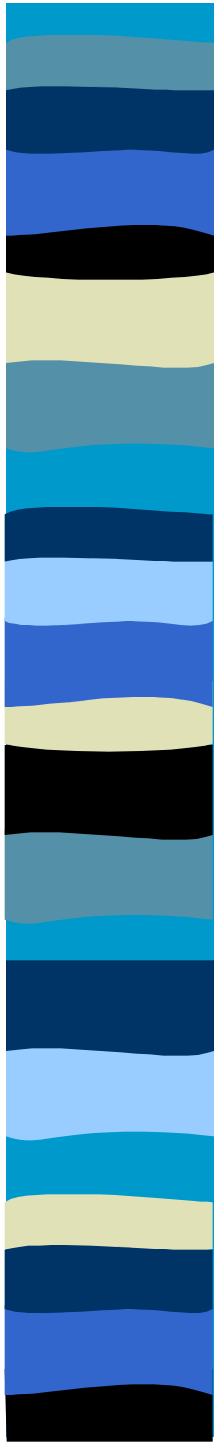


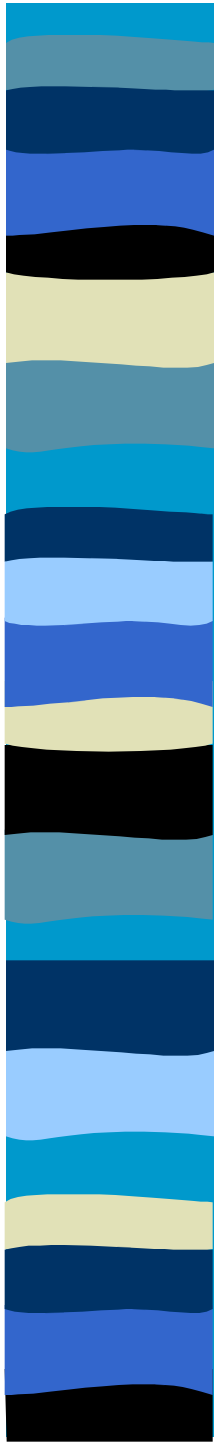




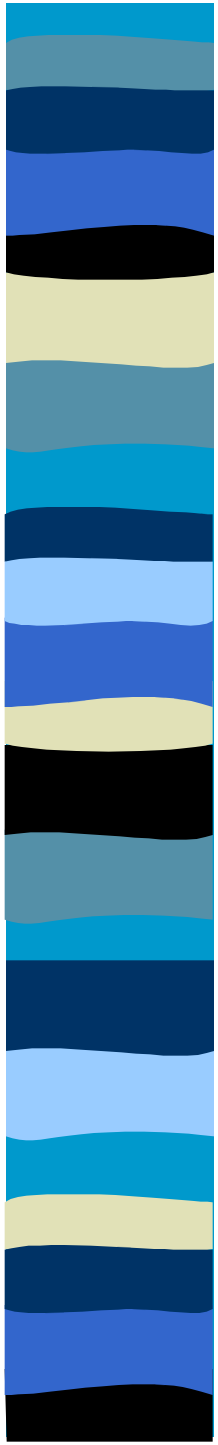






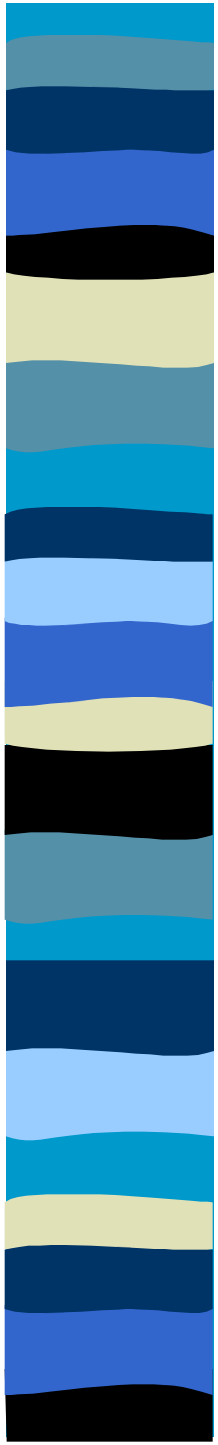


Century	Monthly	Up to 10	Linacre (1977)	Yes	Yes
GTEC	Daily	12	None	No	No
LPJ	Daily	Two	Monteith (1995)	Yes	No
MC1	Monthly	Up to 10	Linacre (1977)	Yes	Yes
TEM	Monthly	One	Jensen-Haise (1963)	Yes	Yes



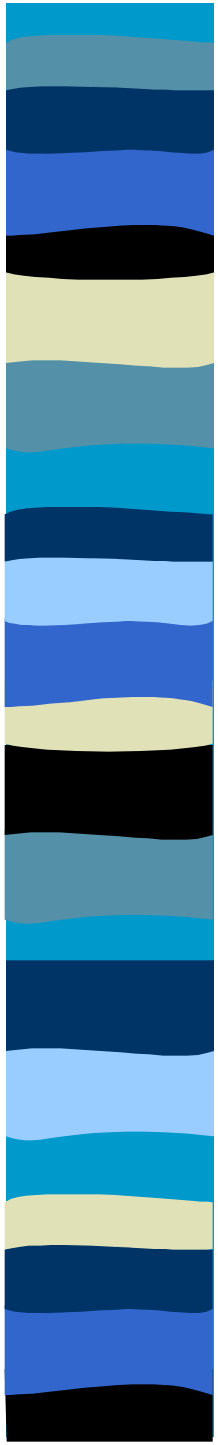
CENT	0.94	0.74	0.87	0.85	0.45	0.60	0.61	0.66	0.47	0.56	0.68	0.55	0.52	0.65
GTEC	0.87	0.67	0.83	0.81	-0.08	0.49	0.44	0.45	0.17	0.43	0.64	0.50	0.40	0.51
LPJ	0.88	0.67	0.74	0.76	0.60	0.56	0.60	0.61	0.54	0.51	0.36	0.12	0.39	0.57
MC1	0.90	0.69	0.83	0.78	0.41	0.41	0.44	0.55	0.36	0.55	0.63	0.51	0.48	0.58
TEM	0.93	0.58	0.88	0.84	0.78	0.68	0.63	0.78	0.69	0.68	0.57	0.38	0.56	0.69
mean	0.91	0.68	0.84	0.81	0.42	0.57	0.57	0.62	0.44	0.55	0.60	0.43	0.47	0.61

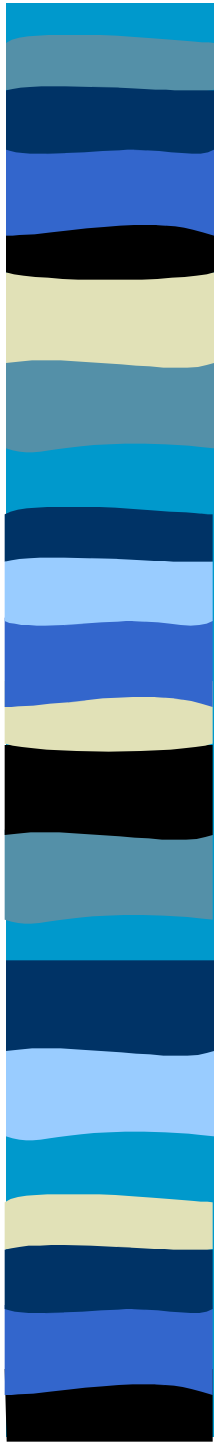
CENT	0.94	0.21	0.88	0.73	0.39	0.67	0.79	0.39	0.48	0.24	0.70	0.67	0.39	0.58
GTEC	0.82	0.70	0.64	0.64	-0.18	0.15	0.49	0.15	0.23	-0.03	0.61	0.39	0.52	0.39
LPJ	0.85	0.82	0.60	0.58	0.45	0.15	0.09	0.60	0.61	0.59	0.24	-0.32	0.50	0.49
MC1	0.82	0.18	0.85	0.61	0.27	0.52	0.64	0.24	0.52	0.18	0.64	0.67	0.33	0.50
TEM	0.94	0.33	0.91	0.97	0.61	0.67	0.61	0.48	0.52	0.55	0.70	-0.21	0.24	0.59
mean	0.88	0.56	0.78	0.74	0.32	0.47	0.57	0.40	0.49	0.36	0.60	0.33	0.41	0.54

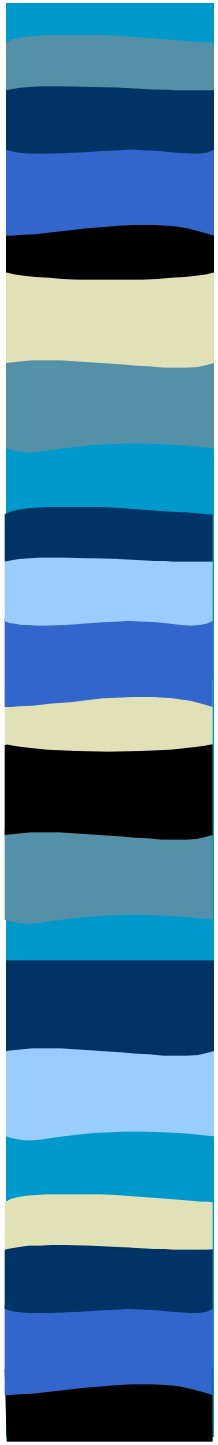


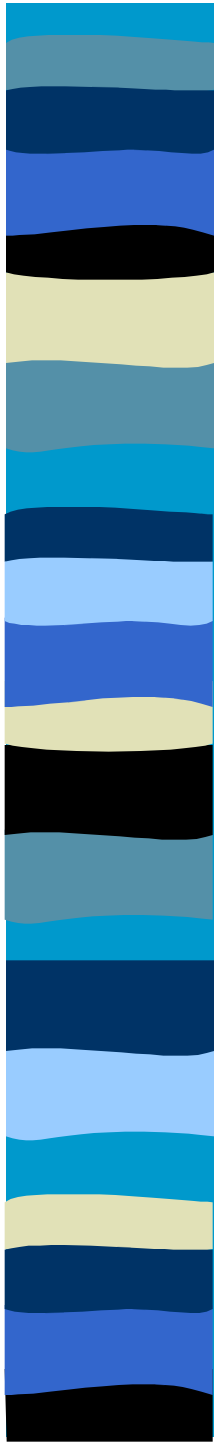
Watershed	***r***	***ô***	***NS***	MAE	BIAS	by ***NS***	by MAE	by BIAS	HCDN
OR	1	1	4	13	12	2	2	1	1
NY	4	6	3	12	13	4	9	10	2
MS	2	2	1	11	10	1	2	1	3
WV	3	3	2	10	11	3	4	5	4
MT	13	13	7	9	3	12	13	12	5
IA-1	7	8	5	8	5	6	10	6	6
IA-2	7	5	6	7	2	5	5	1	7
AZ-3	5	10	8	6	7	8	7	8	8
NV	11	7	9	3	4	9	7	8	9
AZ-2	9	11	12	5	8	10	11	11	10
SD	6	4	11	2	5	7	1	4	11
TX	12	12	10	4	8	13	12	13	12
AZ-1	10	9	13	1	1	10	6	6	13

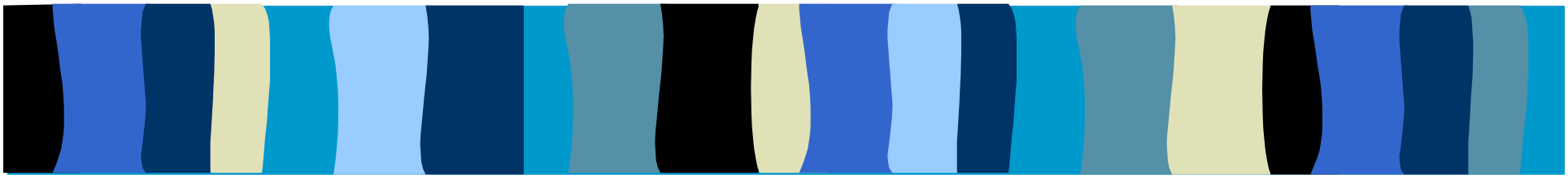
BBGC	2	1	3	5	4	2	3	2
CENT	2	3	2	1	3	3	2	3
GTEC	6	6	6	6	6	6	6	6
LPJ	5	5	4	3	2	5	5	4
MC1	4	4	5	4	5	4	4	5
TEM	1	2	1	2	1	1	1	1

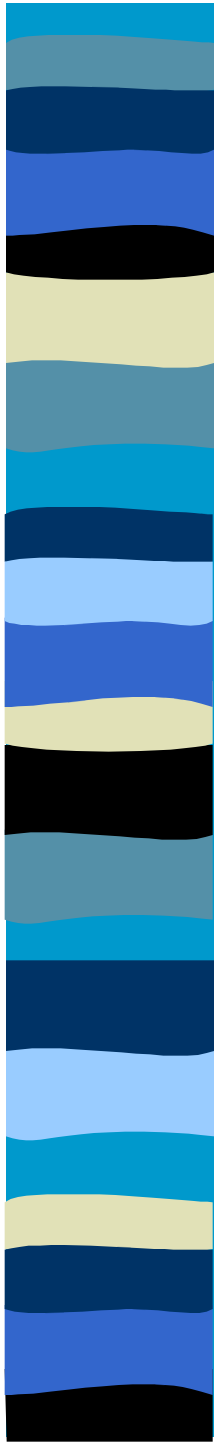


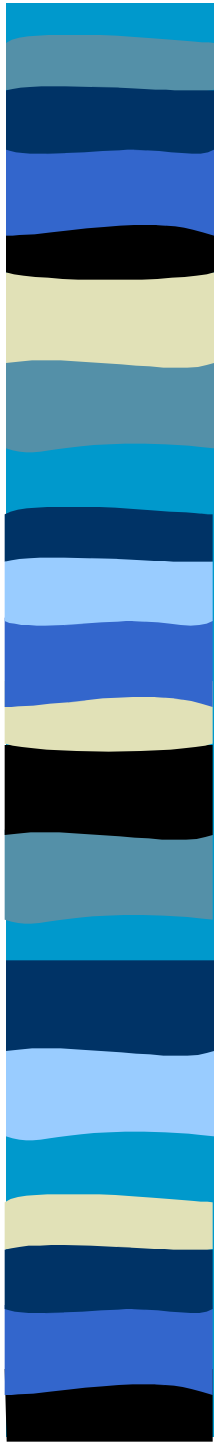


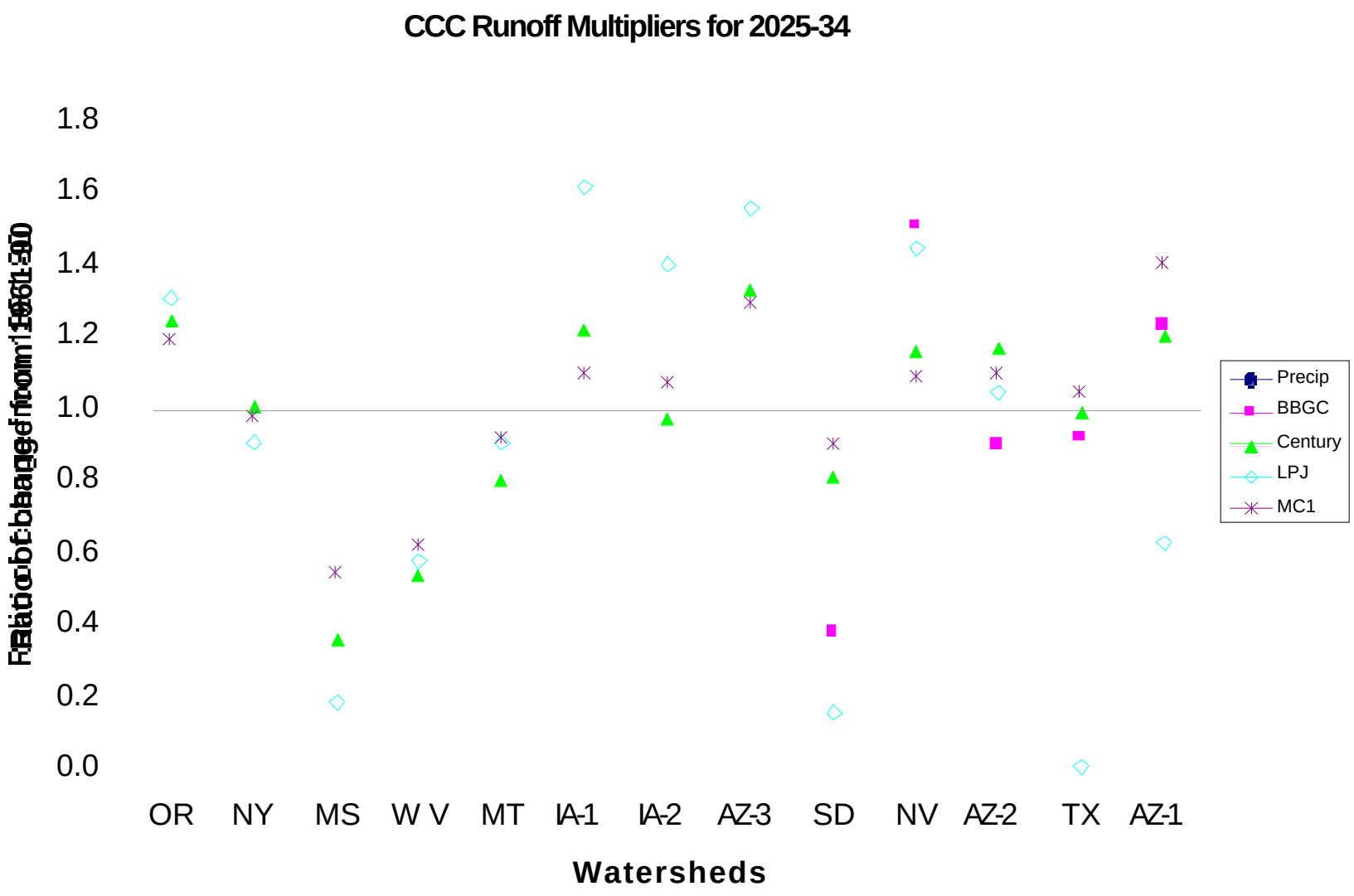


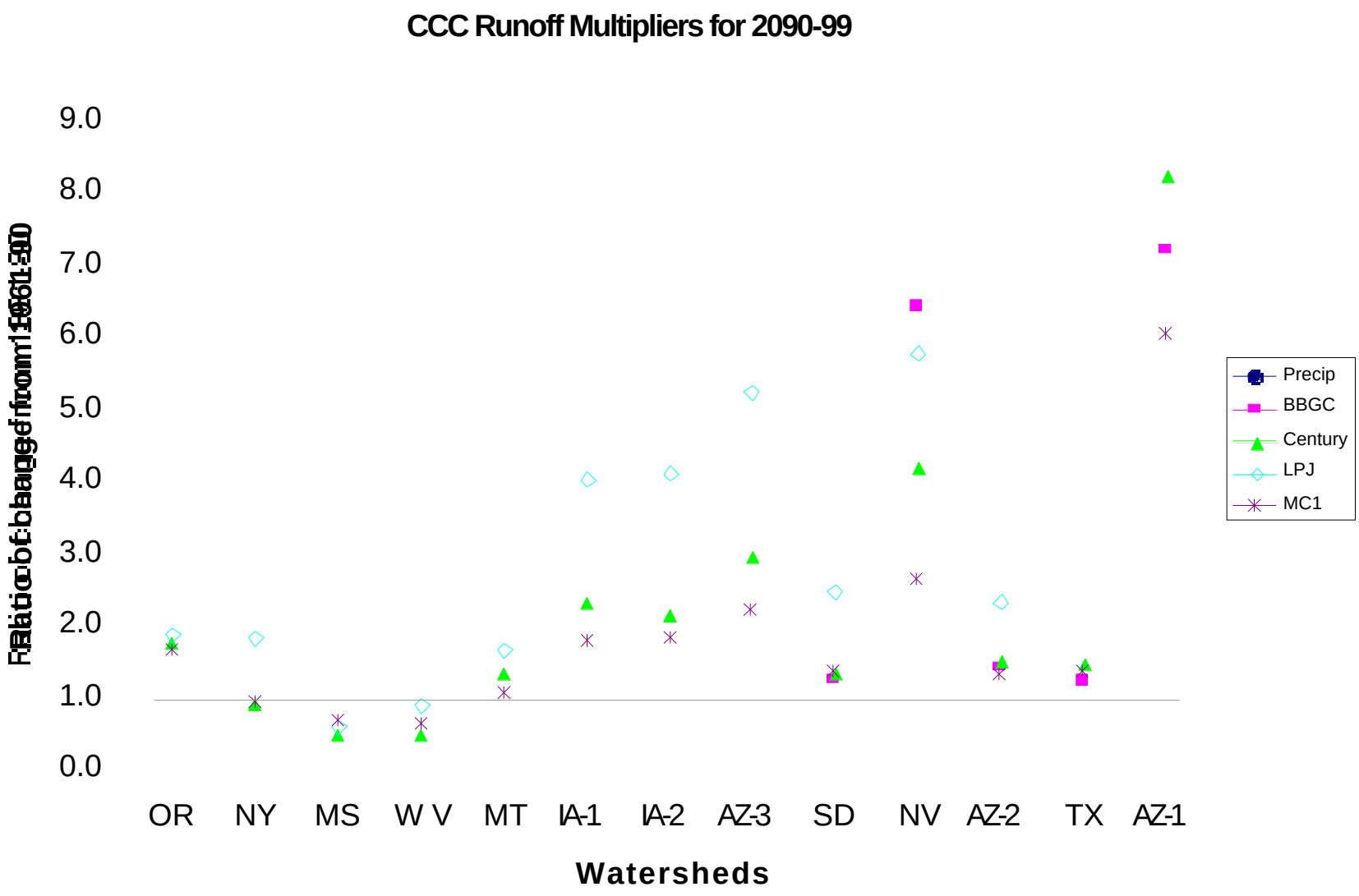


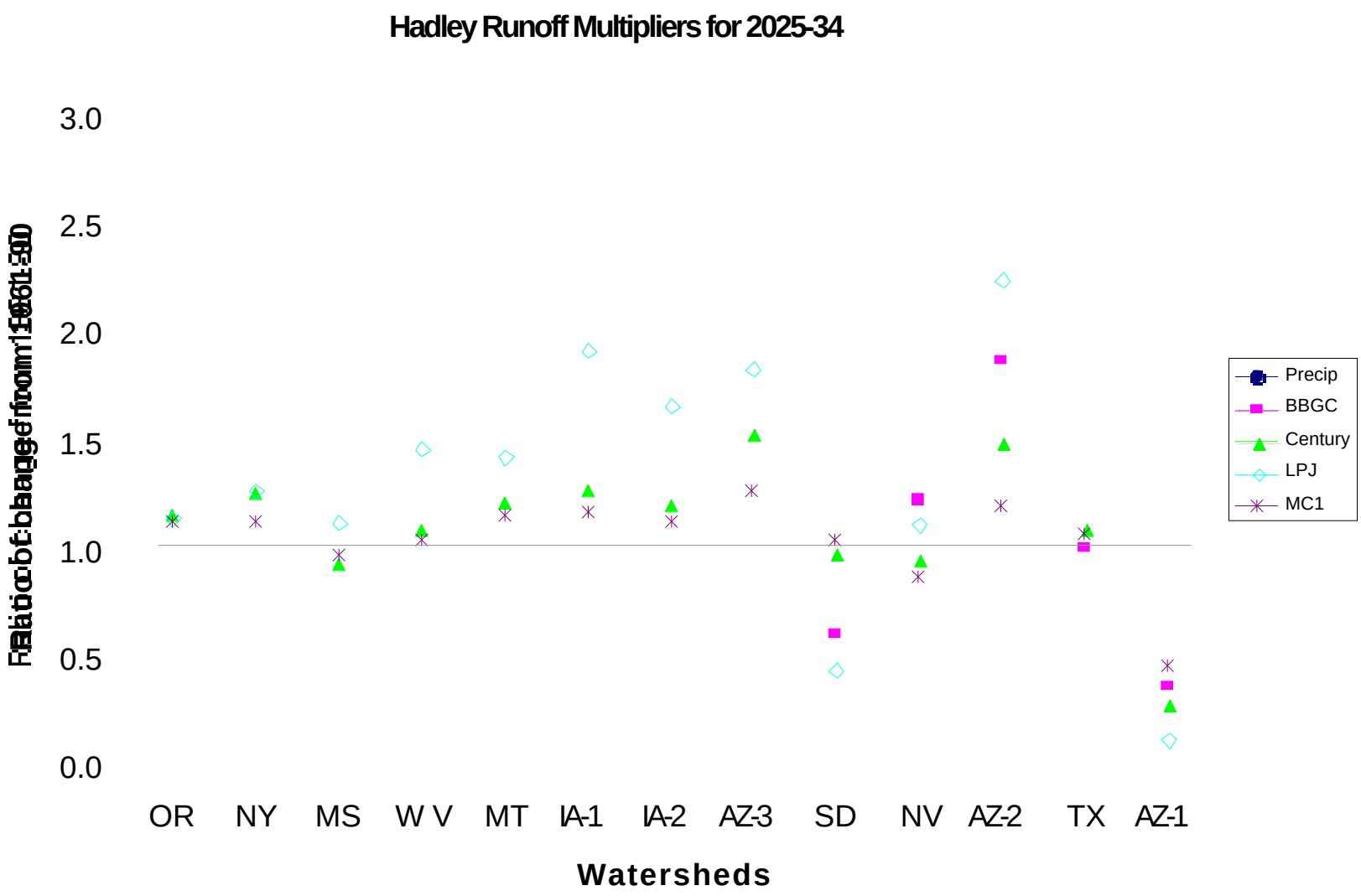


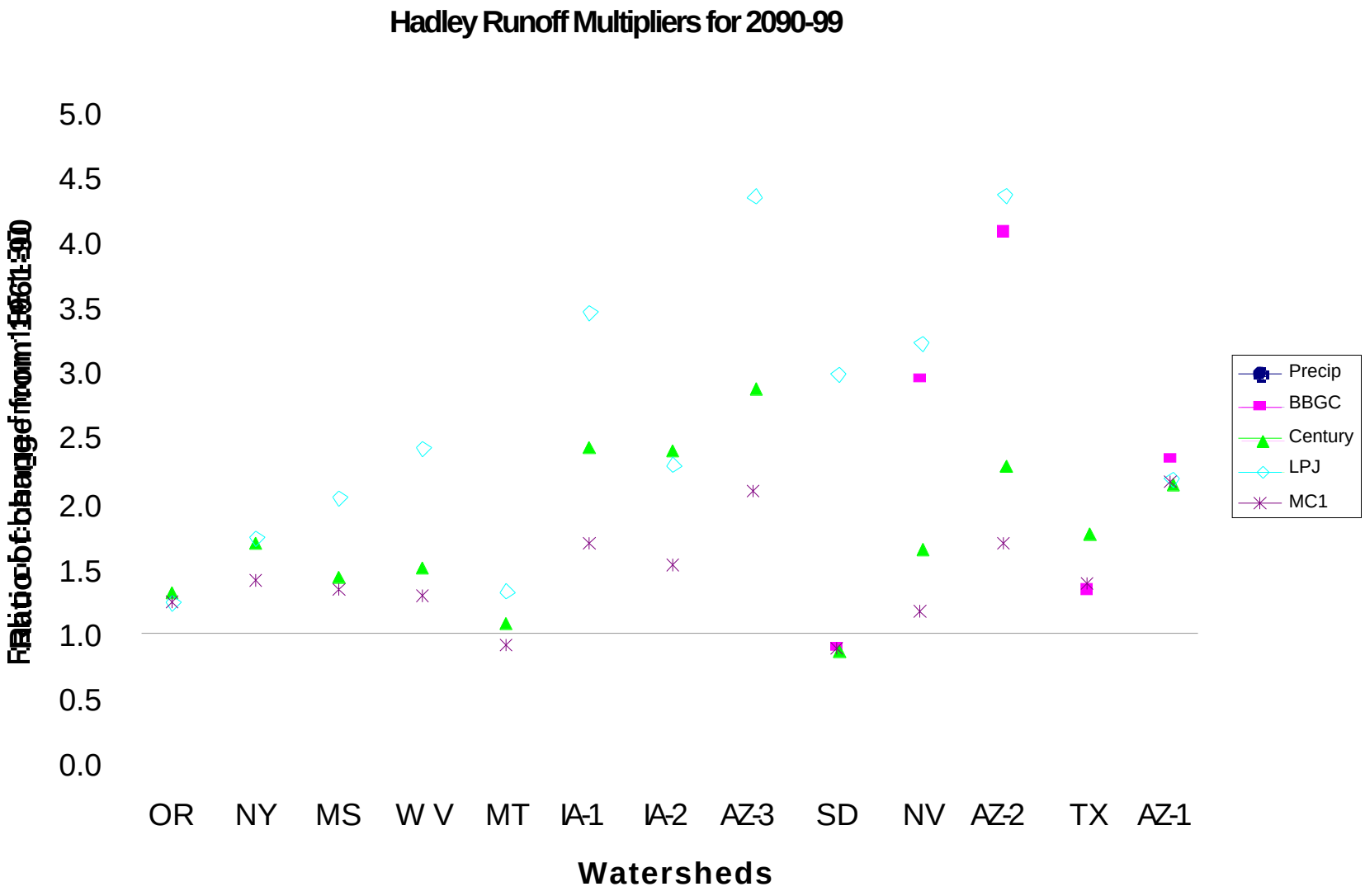


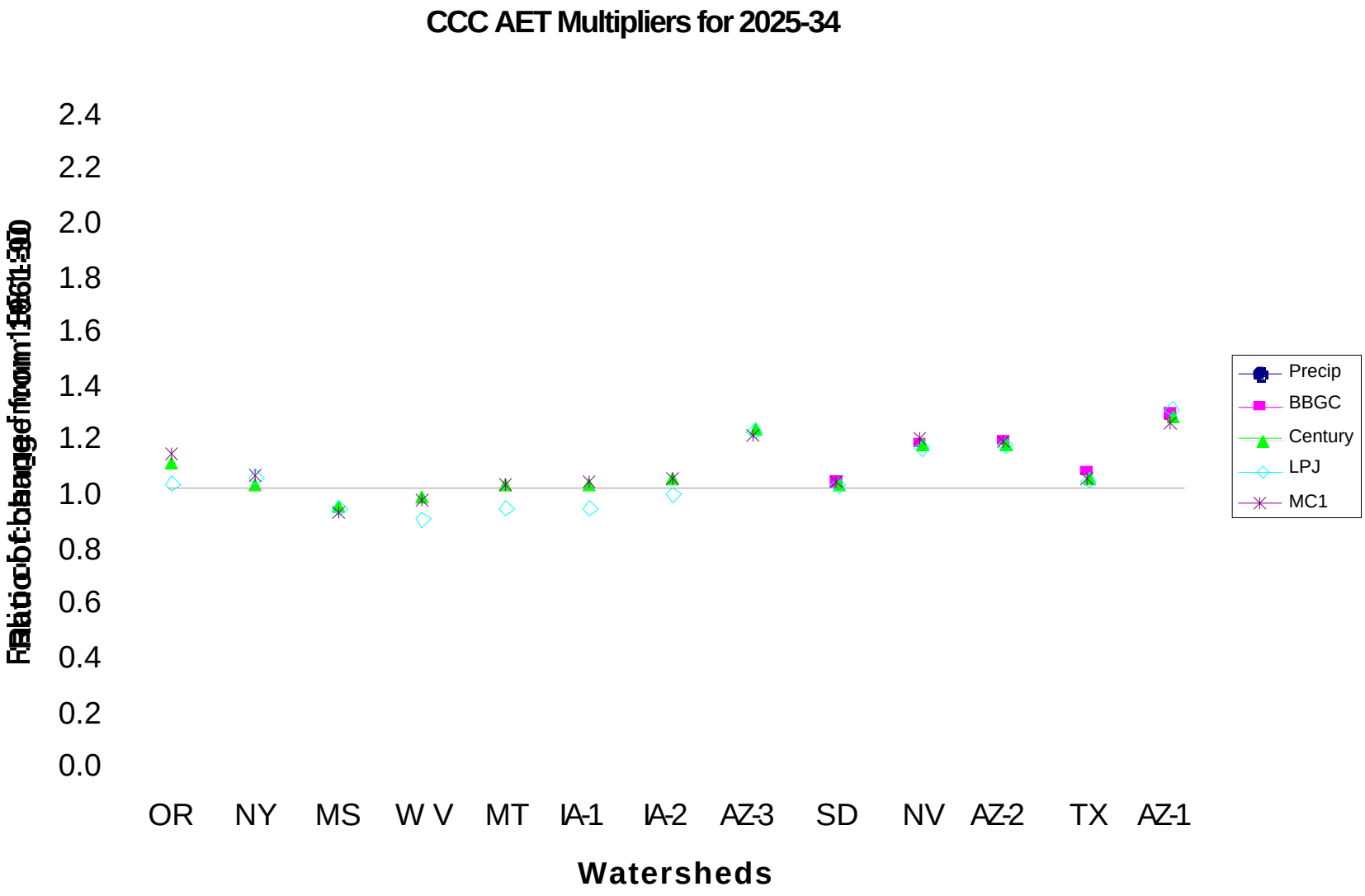


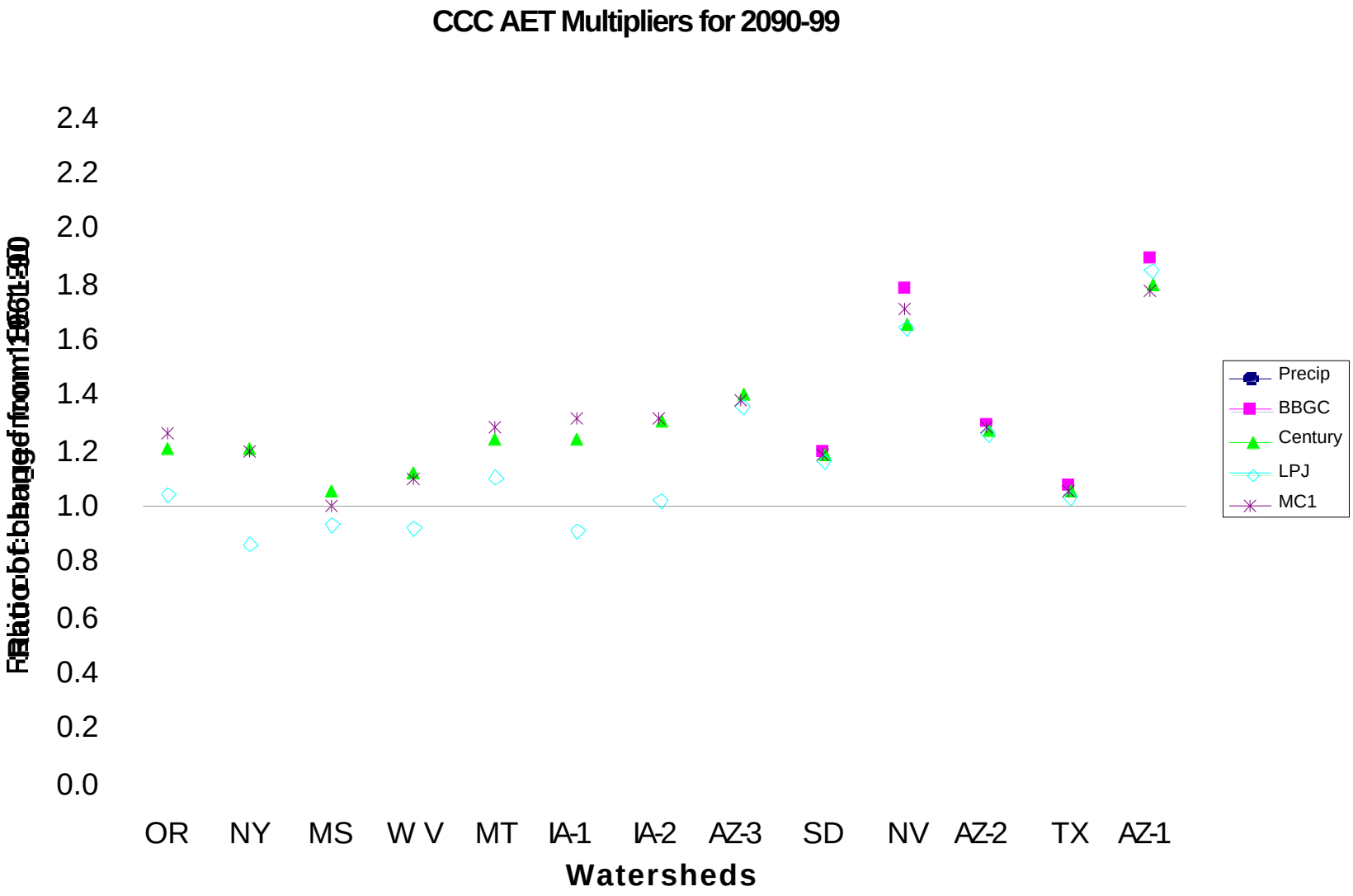

CCC Runoff Multipliers for 2025-34
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
Precip
BBGC
Century
LPJ
MC1

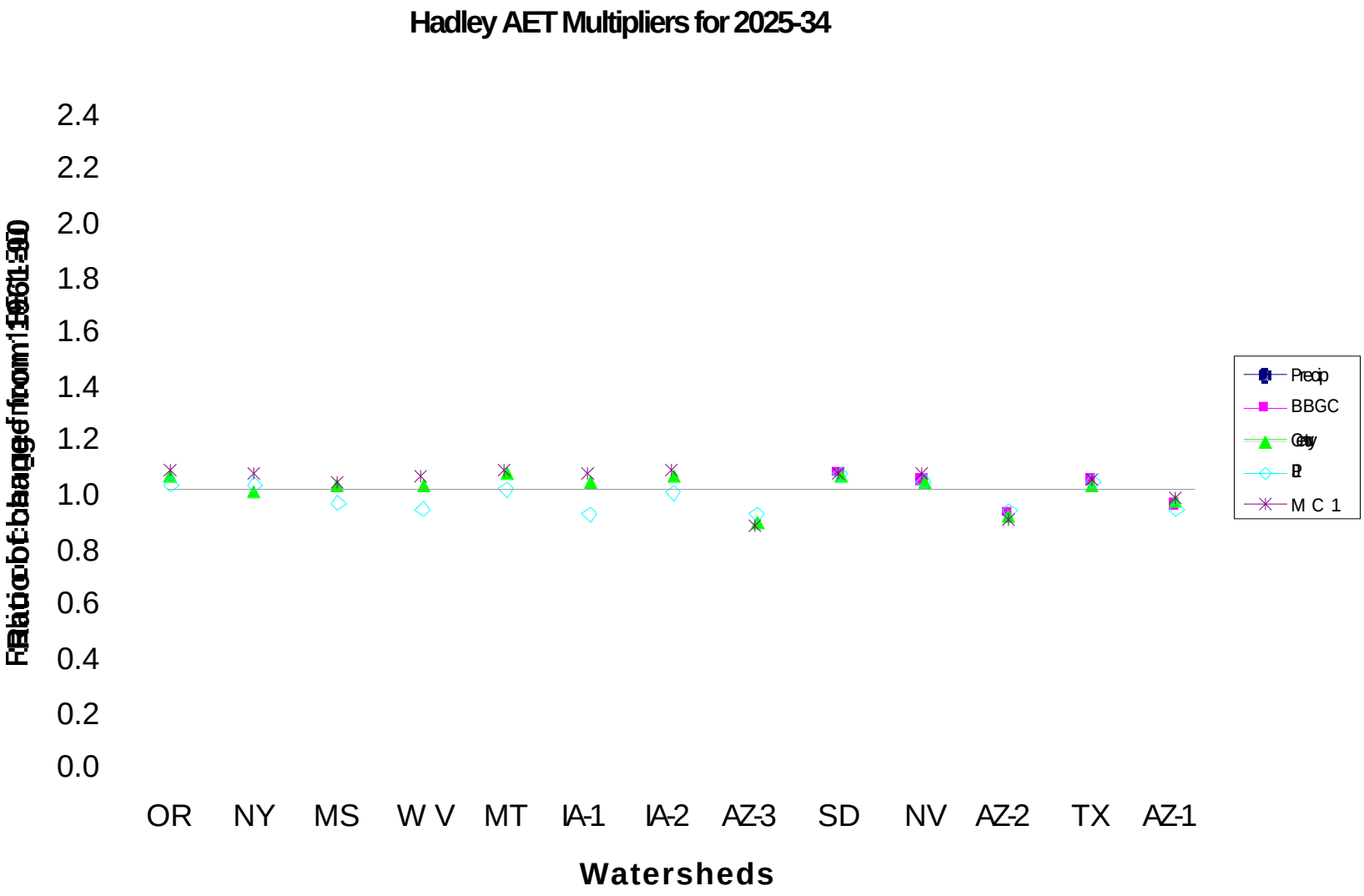

CCC Runoff Multipliers for 2090-99
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
Precip
BBGC
Century
LPJ
MC1

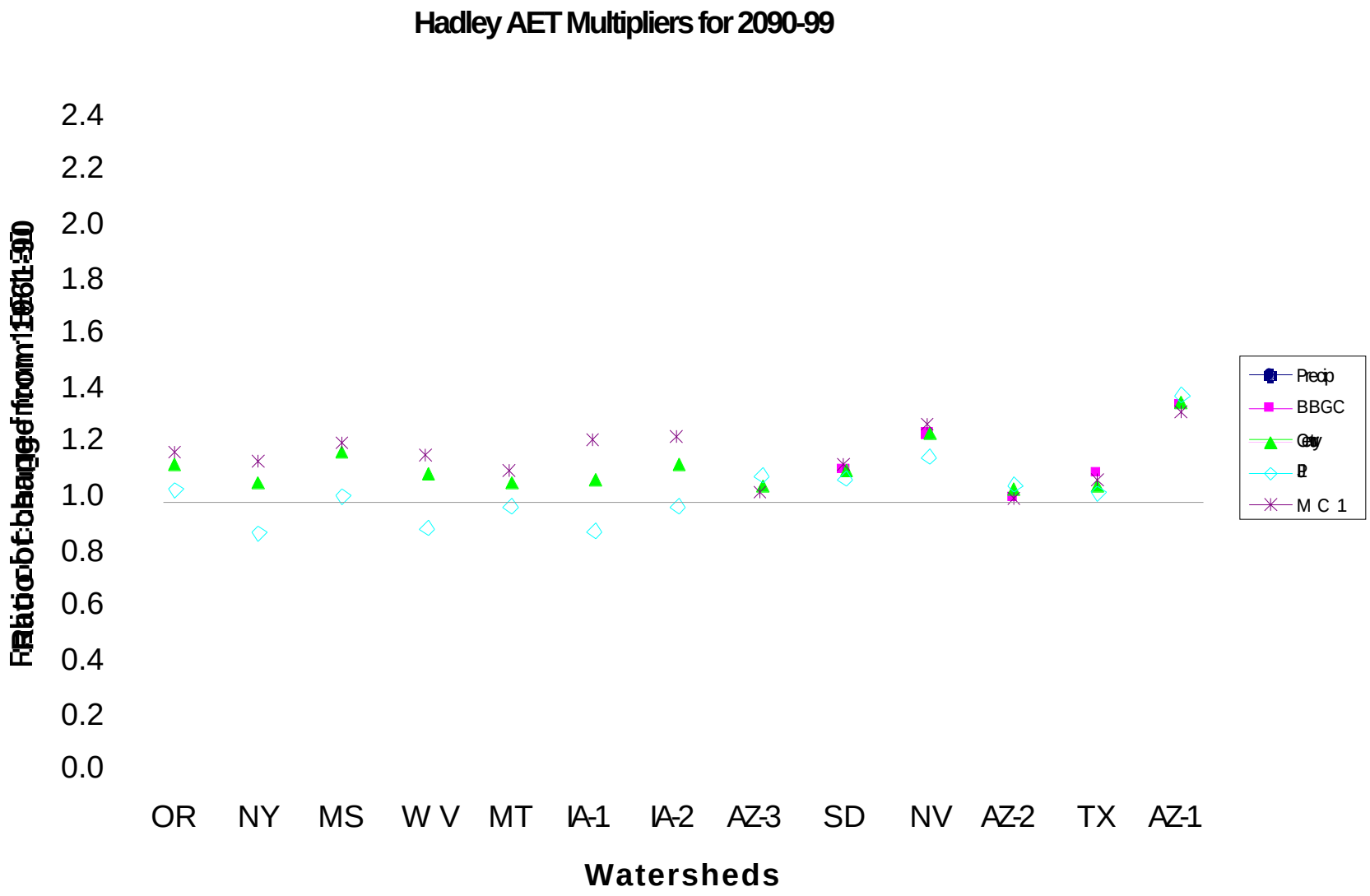

Hadley Runoff Multipliers for 2025-34
3.0
2.5
2.0
1.5
1.0
0.5
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
Precip
BBGC
Century
LPJ
MC1

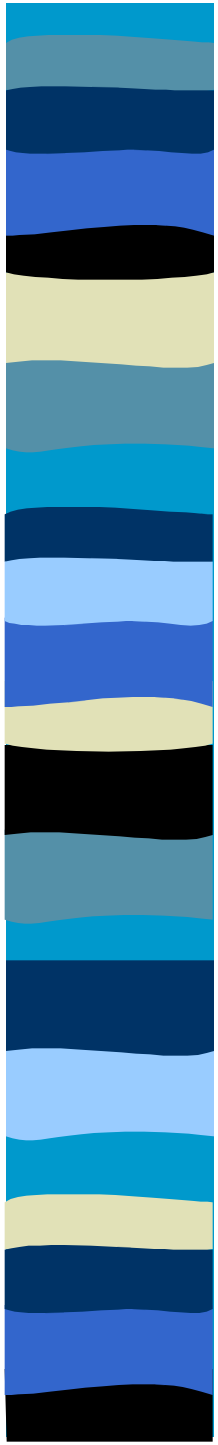

Hadley Runoff Multipliers for 2090-99
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
Precip
BBGC
Century
LPJ
MC1

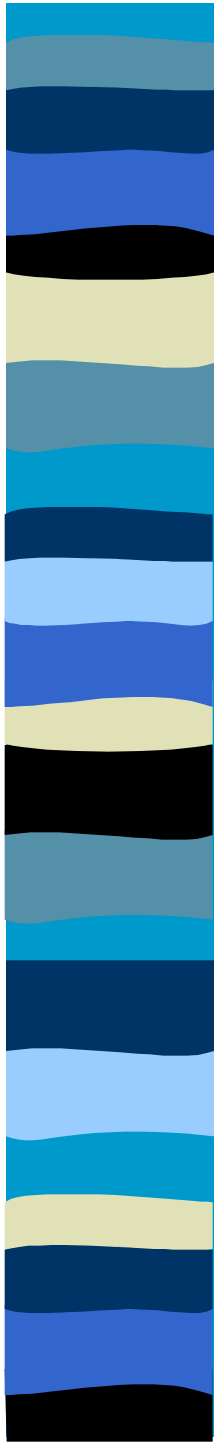

CCC AET Multipliers for 2025-34
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
Precip
BBGC
Century
LPJ
MC1


CCC AET Multipliers for 2090-99
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
Precip
BBGC
Century
LPJ
MC1


Hadley AET Multipliers for 2025-34
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
Precip
BBGC
M C 1

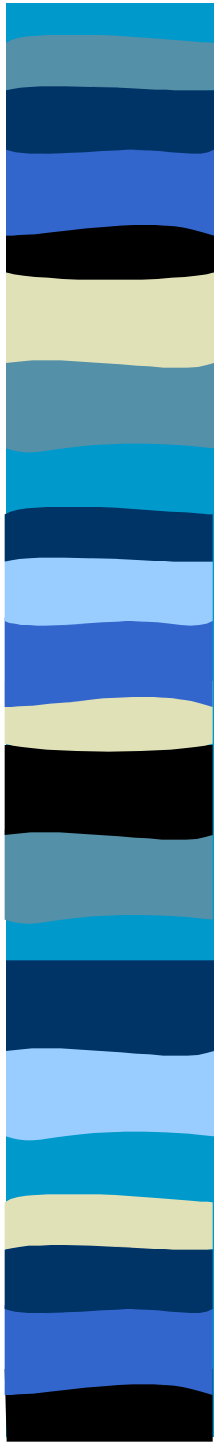

Hadley AET Multipliers for 2090-99
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OR
NY
MS
W V
MT
IA-1
IA-2
AZ-3
SD
NV
AZ-2
TX
AZ-1
Watersheds
BBGC
M C 1

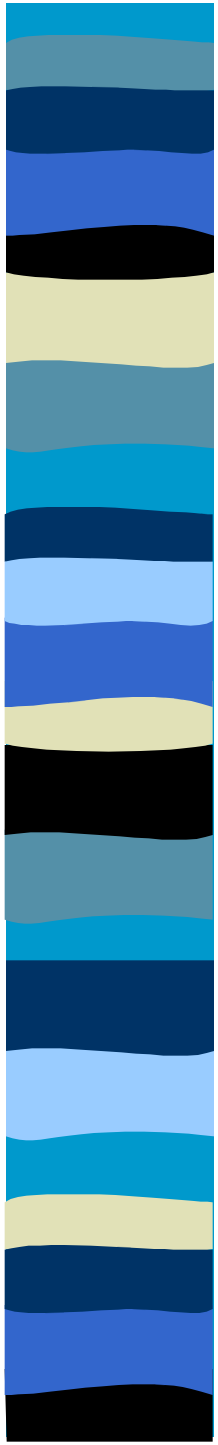




	2025-34	33	59	63	65	32	58	58	65	
	2090-99	35	65	71	70	31	60	58	66	
NY	1961-90	11	30	26	41	11	30	26	41	54
	2025-34	8	29	22	39	11	35	30	42	
	2090-99	9	25	44	34	12	41	36	47	
MS	1961-90	20	31	23	41	20	31	23	41	34
	2025-34	11	14	5	27	20	29	26	39	
	2090-99	12	15	15	30	20	36	39	44	
WV	1961-90	21	32	21	41	21	32	21	41	46
	2025-34	15	20	14	30	20	33	30	41	
	2090-99	10	16	20	26	23	40	43	44	
MT	1961-90	20	31	26	46	20	31	26	46	32
	2025-34	16	28	28	42	18	33	33	47	
	2090-99	14	33	35	40	14	33	34	42	
IA-1	1961-90	19	18	16	24	19	18	16	24	22
	2025-34	18	20	24	25	21	21	29	26	
	2090-99	28	29	46	30	29	34	44	32	

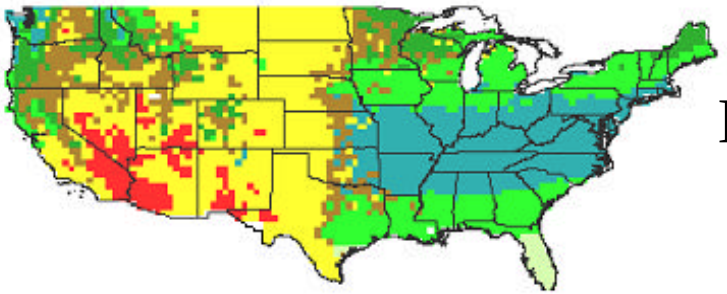
	2025-34	15	11	15	21	18	13	18	22	
	2090-99	28	19	36	27	27	24	22	26	
AZ-3	1961-90	11	14	7	25	11	14	7	25	12
	2025-34	10	15	9	26	17	21	12	31	
	2090-99	21	26	23	35	34	31	23	40	
SD	1961-90	3	6	1	14	3	6	1	14	4
	2025-34	1	5	0	12	2	6	1	14	
	2090-99	3	7	3	15	2	5	4	12	
NV	1961-90	2	9	6	16	2	9	6	16	8
	2025-34	3	9	7	15	3	8	6	14	
	2090-99	8	20	19	23	6	11	15	15	
AZ-2	1961-90	5	10	3	22	5	10	3	22	5
	2025-34	4	10	3	21	10	16	8	27	
	2090-99	6	12	6	22	19	21	13	32	
TX	1961-90	13	9	0	20	13	9	0	20	2
	2025-34	12	9	0	20	13	10	0	20	
	2090-99	14	12	4	23	16	15	8	25	
AZ-1	1961-90	6	6	3	9	6	6	3	9	5
	2025-34	6	6	2	11	2	2	0	4	
	2090-99	21	25	20	28	10	10	5	15	



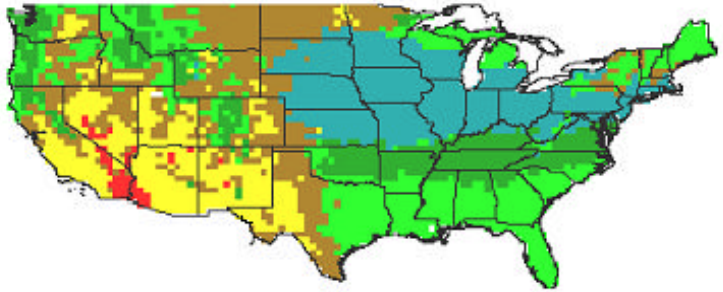


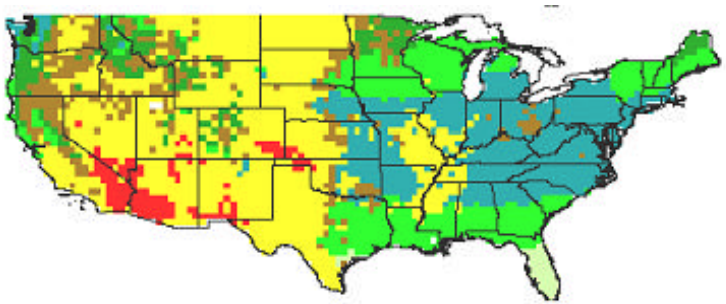
2030 Vegetation

MC1 LPJ

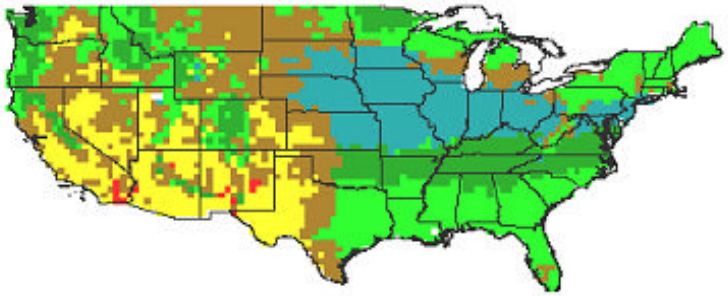


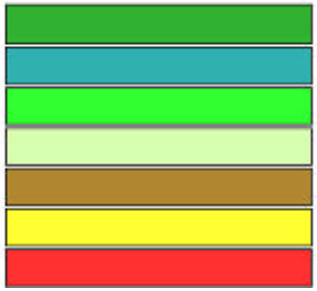
Hadley





CCC

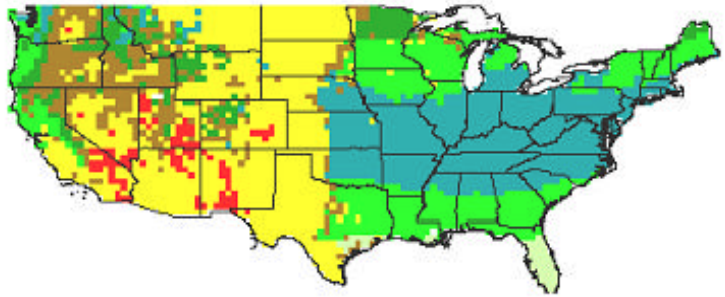




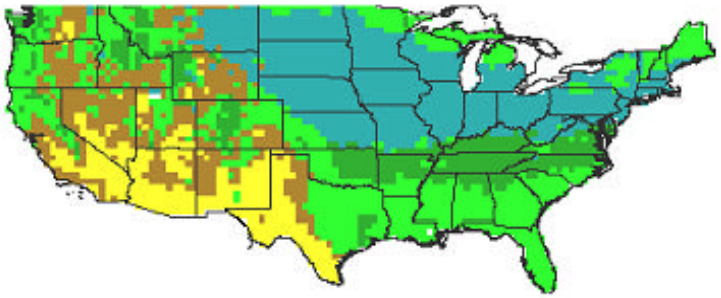
From Bachelet et al. in press

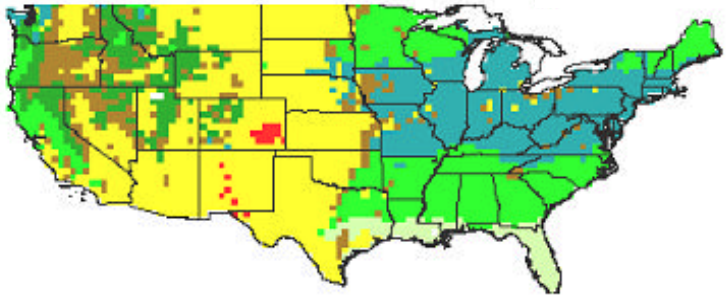
2090 Vegetation

MC1 LPJ

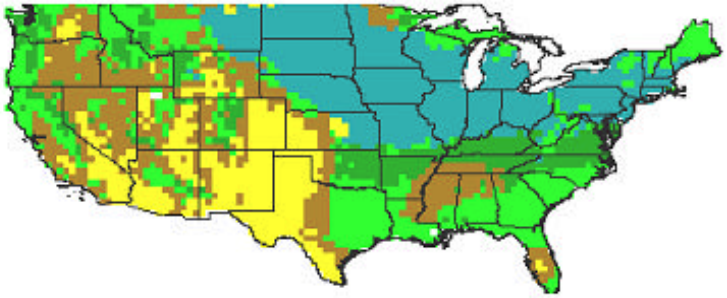


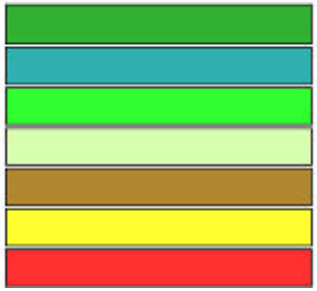
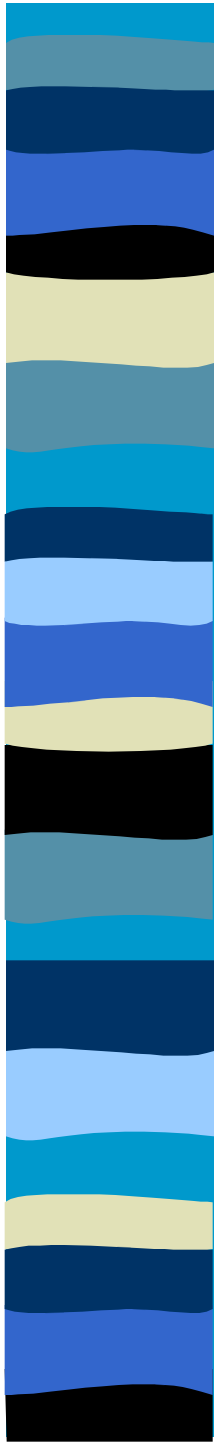
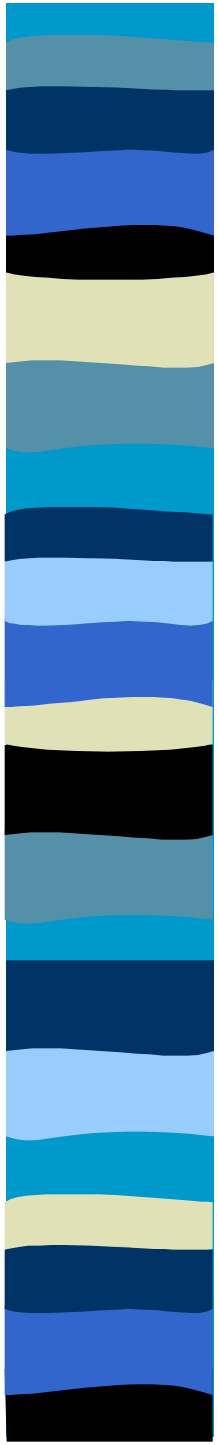
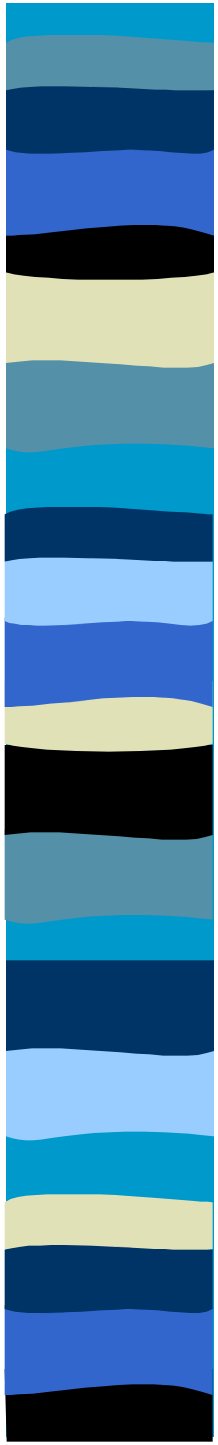
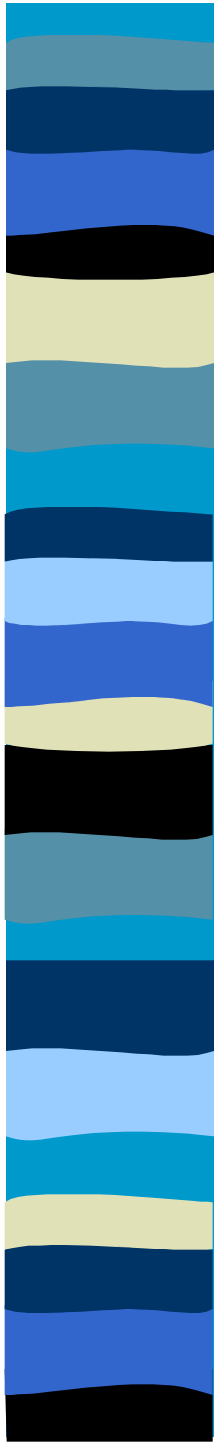
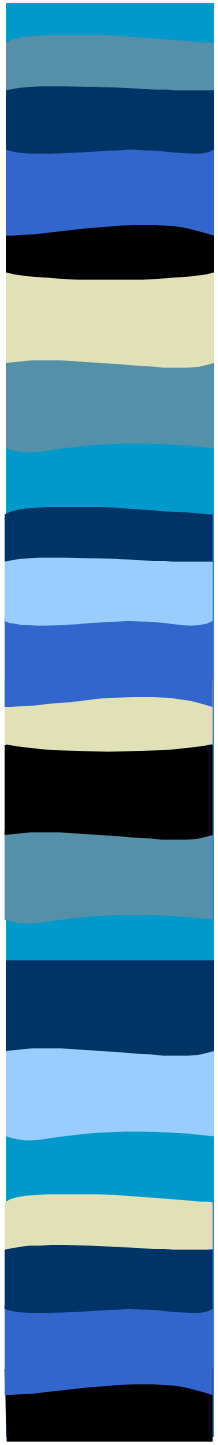
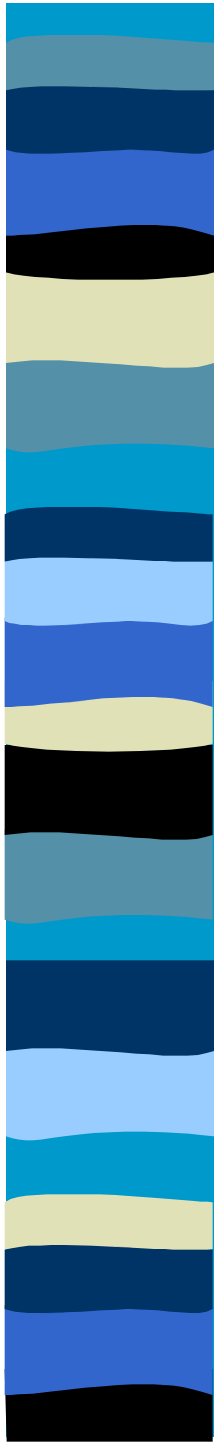
Hadley





CCC





From Bachelet et al. in press