APPENDIX A

Summary of IHA and RVA results in m^3 sec^{-1} (CMS) for 11 stations along the Missouri and lower Yellowstone rivers

Table A1. Changes in magnitude of median monthly discharge (m^3 sec^{-1}) between pre- (Oct 1929-Sep 1948) and post- (Oct 1967-Sep 1996) periods of flow regulation along the Missouri and lower Yellowstone (**2592SN**) rivers. Station locations are kilometers above Missouri River mouth. Station numbers in **bold** type are least flow-impacted sites, those in regular type are between reservoirs or immediately below reservoirs, and those in *italics* are below reservoirs in the channelized river. CD: Coefficient of dispersion; Pre25th and Pre75th %ile are the 25th and 75th percentiles, respectively, of monthly pre-regulation discharge (m^3 sec^{-1}); Post-median: median monthly post-regulation discharge (m^3 sec^{-1}). Pre-regulation period is missing 1932-33 at km **2592SN**, 1929-30 at km 1297YT, and 1929 at km *905NC*. Refer to text for descriptions of statistics.

		Station										
Month	Statistic	**3336FB**	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
January	Pre median	113.7	90.7	124.6	184.4	206.4	253.3	361.7	402.2	492.2	542.4	923.3
	Pre CD (%)	41	112	31	53	43	45	36	37	50	62	76
	Pre 25th%ile	86.7	40.1	98.5	160.9	198.0	193.0	290.7	302.4	324.6	387.3	543.5
	Pre 75th%ile	133.0	142.0	136.6	258.2	287.3	307.0	420.1	451.7	572.0	726.3	1244.8
	Post median	201.2	349.5	185.5	764.0	470.4	522.8	588.1	686.4	761.2	924.3	1353.1
	Post CD (%)	16	18	23	18	32	41	42	52	63	53	71
February	Pre median	117.6	79.9	127.7	226.8	250.1	297.7	523.5	559.8	669.9	783.1	1037.9
	Pre CD (%)	40	111	37	53	56	61	55	57	52	49	61
	Pre 25th%ile	85.9	33.8	108.7	165.2	205.4	258.8	357.7	413.4	453.7	622.5	893.1
	Pre 75th%ile	132.7	122.7	155.5	285.0	345.4	441.3	645.4	731.1	804.9	1004.9	1529.2
	Post median	201.8	372.2	214.3	843.7	492.5	620.3	796.1	900.0	1004.5	1275.6	1883.5
	Post CD (%)	28	21	43	23	28	40	46	52	69	71	66
March	Pre median	141.3	157.1	313.9	585.9	672.7	766.1	946.2	1033.1	1251.5	1622.6	2111.9
	Pre CD (%)	29	93	68	77	71	72	35	45	46	58	41
	Pre 25th%ile	120.0	93.4	166.6	355.1	462.5	583.5	853.3	845.2	880.8	942.9	1484.6
	Pre 75th%ile	160.4	240.1	379.4	808.7	939.7	1132.5	1188.9	1308.2	1460.3	1876.4	2351.7
	Post median	205.3	298.1	276.5	690.4	573.3	864.6	1083.2	1260.8	1376.6	1628.1	2517.2
	Post CD (%)	34	42	64	37	22	44	61	57	67	72	79
April	Pre median	178.6	244.5	204.4	565.6	758.4	910.8	1046.4	1112.6	1340.3	1644.4	2193.0
	Pre CD (%)	87	77	66	80	121	113	63	87	79	80	84
	Pre 25th%ile	130.4	108.5	192.6	494.1	601.0	683.7	837.3	929.0	1060.6	1254.7	1551.5
	Pre 75th%ile	285.2	297.5	327.8	944.7	1520.1	1715.1	1498.9	1893.4	2118.7	2565.5	3387.0
	Post median	216.4	215.0	253.2	618.7	793.4	1034.0	1282.1	1467.5	1628.5	2091.2	2996.3
	Post CD (%)	40	99	47	31	25	37	35	47	72	82	83

Table A1 (continued).

Month	Statistic	Station										
		3336FB	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
May	Pre median	275.2	199.3	444.5	627.4	715.9	825.4	977.8	1116.4	1438.5	1701.1	2239.1
	Pre CD (%)	45	166	41	67	48	54	61	60	78	100	98
	Pre 25th%ile	203.5	60.2	366.3	473.7	593.1	638.8	765.6	796.9	940.0	1107.3	1570.4
	Pre 75th%ile	326.0	391.0	550.2	894.5	934.6	1088.5	1362.2	1466.5	2065.8	2805.2	3774.9
	Post median	333.7	258.9	492.0	592.1	852.3	1082.6	1291.8	1643.6	2069.2	2558.4	3303.5
	Post CD (%)	46	73	40	43	18	29	42	49	62	57	74
June	Pre median	311.3	280.3	1127.4	1365.5	1551.7	1572.8	1755.1	1848.0	2078.5	2469.4	3195.6
	Pre CD (%)	103	115	47	47	56	61	50	72	101	110	117
	Pre 25th%ile	225.1	71.1	788.1	1052.7	1158.4	1183.8	1337.4	1349.4	1703.2	1721.5	1980.3
	Pre 75th%ile	547.1	392.2	1316.0	1687.8	2022.9	2140.8	2216.2	2685.4	3801.8	4444.5	5718.8
	Post median	426.3	263.7	947.0	633.8	887.6	1148.3	1428.4	1719.4	2011.8	2374.7	3186.4
	Post CD (%)	86	60	70	51	25	35	36	39	40	41	64
July	Pre median	127.7	169.0	598.6	840.1	1157.3	1222.7	1420.7	1566.6	1975.8	2219.7	2427.7
	Pre CD (%)	84	98	99	78	88	66	63	74	76	76	91
	Pre 25th%ile	96.1	108.0	288.1	571.5	718.6	785.1	883.2	944.7	1125.9	1221.9	1329.1
	Pre 75th%ile	202.8	274.1	879.7	1229.3	1742.2	1847.7	1777.9	2109.7	2627.6	2907.3	3527.4
	Post median	262.4	277.7	556.3	661.1	952.6	1139.5	1202.7	1597.2	1889.4	2085.6	2540.7
	Post CD (%)	92	47	78	40	25	36	46	40	54	64	81
August	Pre median	96.8	201.2	181.1	497.2	615.7	634.6	736.3	836.1	987.5	1127.4	1311.8
	Pre CD (%)	27	154	79	67	54	50	48	48	44	45	51
	Pre 25th%ile	89.4	106.6	132.5	277.7	445.0	539.7	598.8	647.8	807.9	853.6	920.8
	Pre 75th%ile	115.5	417.1	276.3	611.7	780.1	856.2	954.0	1046.3	1246.0	1363.0	1593.1
	Post median	178.7	294.7	211.6	711.4	998.4	1045.0	1143.6	1365.9	1662.3	1846.4	2038.9
	Post CD (%)	44	49	65	36	45	38	31	37	32	33	34
September	Pre median	104.3	127.2	152.7	426.7	535.5	580.2	737.8	760.8	864.8	998.3	1160.1
	Pre CD (%)	33	250	87	96	79	84	69	73	57	43	47
	Pre 25th%ile	88.3	105.6	94.7	221.8	288.8	337.8	402.8	448.7	646.1	731.8	875.9
	Pre 75th%ile	122.4	424.2	227.0	629.6	710.5	824.6	913.7	1006.9	1139.5	1163.1	1417.4
	Post median	157.4	254.3	217.2	611.9	1005.9	1062.2	1170.8	1443.5	1629.0	1790.7	1940.9
	Post CD (%)	37	63	53	49	43	40	41	38	51	52	55

Table A1 (continued).

		Station										
Month	Statistic	**3336FB**	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
October	Pre median	112.5	133.5	198.8	376.0	384.7	467.2	679.2	719.0	773.6	879.5	986.7
	Pre CD (%)	34	162	54	78	98	79	57	71	67	69	61
	Pre 25th%ile	100.0	102.3	152.5	264.6	293.5	295.3	355.7	353.4	457.6	533.1	714.9
	Pre 75th%ile	138.0	319.1	259.9	556.8	671.0	664.8	743.2	861.4	976.9	1143.0	1318.6
	Post median	152.6	236.4	267.6	587.8	987.5	1028.8	1133.3	1260.3	1532.9	1586.9	1737.7
	Post CD (%)	49	81	40	68	35	38	36	33	37	53	50
November	Pre median	128.3	123.7	184.7	324.3	374.4	435.5	577.7	624.8	801.0	862.0	1114.3
	Pre CD (%)	38	77	33	58	70	64	57	62	73	76	65
	Pre 25th%ile	95.7	87.1	155.9	245.2	283.7	298.3	379.3	393.8	510.4	503.3	721.3
	Pre 75th%ile	144.1	181.9	216.9	433.0	546.3	578.7	706.0	778.7	1095.5	1159.4	1448.9
	Post median	172.4	237.4	232.5	705.5	908.9	992.8	1135.4	1265.8	1559.1	1785.7	2236.6
	Post CD (%)	38	56	41	53	44	57	52	53	45	48	65
December	Pre median	124.7	91.5	119.9	215.1	221.3	238.3	341.7	390.2	447.4	578.2	852.9
	Pre CD (%)	39	88	49	43	41	40	35	48	63	64	84
	Pre 25th%ile	89.6	42.8	105.1	156.5	197.8	200.9	287.6	282.6	322.8	440.6	576.7
	Pre 75th%ile	138.8	123.7	164.3	249.1	287.4	295.1	406.4	468.2	606.0	810.7	1290.0
	Post median	184.2	302.3	204.3	647.6	501.1	630.3	780.4	869.7	1022.7	1253.8	1646.2
	Post CD (%)	20	17	28	22	59	61	50	44	54	53	67

Table A2. Maxima and minima values of median annual discharge (m^3 sec^{-1}), coefficient of dispersion (CD), and 25th and 75th percentiles (%ile) for 1-day (daily), 3-day, 7-day (weekly), 30-day (monthly), and 90-day (seasonal) durations between pre- (Oct 1929-Sep 1948) and post- (Oct 1967-Sep 1996) flow regulation along the Missouri and lower Yellowstone (**2592SN**) rivers. Refer to Table 3 for station locations in relation to reservoirs and see text for descriptions of statistics.

		Station										
Variable	Statistic	**3336FB**	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
1-day maximum	Pre median	498.4	623.0	1770.0	2514.8	3030.2	2973.6	3086.9	3285.1	4078.1	4587.8	6910.1
	Pre CD (%)	69	42	56	66	44	42	34	40	76	115	100
	Pre 25th%ile	410.6	535.2	1271.6	1614.2	2449.7	2390.2	2701.7	2917.0	3001.9	3256.8	4644.5
	Pre 75th%ile	753.3	798.6	2259.9	3285.1	3794.9	3653.3	3766.6	4219.7	6117.1	8524.3	11526.2
	Post median	648.5	453.1	1557.6	982.7	1243.2	1891.8	2452.5	3483.4	4672.8	6853.4	8354.4
	Post CD (%)	55	40	42	32	37	43	48	50	49	38	54
3-day maximum	Pre median	482.4	601.3	1666.2	2119.3	2899.0	2904.7	3049.1	3237.9	3785.4	4436.8	6579.7
	Pre CD (%)	68	44	53	75	45	49	35	42	79	117	108
	Pre 25th%ile	352.0	526.8	1248.9	1485.9	2267.5	2217.5	2602.6	2753.6	2856.5	3209.6	4266.9
	Pre 75th%ile	727.4	790.1	2126.8	3071.8	3568.3	3643.8	3681.6	4115.8	5843.4	8392.2	11356.3
	Post median	626.8	443.7	1475.5	954.4	1241.4	1722.8	2272.2	3407.8	4399.0	6579.7	8278.9
	Pre CD (%)	57	39	45	32	37	40	54	51	49	41	56
7-day maximum	Pre median	459.6	582.6	1572.6	1992.1	2549.6	2686.4	2856.3	3082.8	3657.3	4142.8	5680.2
	Pre CD (%)	82	45	55	62	48	47	39	35	71	128	110
	Pre 25th%ile	352.0	471.3	1041.8	1378.4	1956.1	2068.6	2414.5	2512.4	2691.2	2809.3	4215.6
	Pre 75th%ile	727.4	732.7	1902.7	2621.2	3179.9	3325.6	3523.8	3585.3	5299.9	8107.6	10466.3
	Post median	582.2	419.9	1215.3	949.5	1236.0	1612.2	2025.3	2842.5	3703.9	5376.8	7828.5
	Post CD (%)	59	33	58	33	37	41	59	52	60	64	59
30-day maximum	Pre median	371.0	503.4	1127.4	1536.4	1838.8	1848.9	2033.9	2057.9	2739.2	2846.6	3836.7
	Pre CD (%)	73	46	56	58	45	48	39	47	64	104	111
	Pre 25th%ile	295.9	408.4	821.1	1113.3	1483.6	1468.9	1719.7	1909.3	2078.0	2256.1	2740.4
	Pre 75th%ile	565.5	638.1	1447.6	2011.6	2315.6	2361.3	2516.5	2886.8	3837.3	5209.9	6991.3
	Post median	493.9	396.8	989.9	910.0	1213.3	1543.2	1785.9	2030.2	2867.8	3549.3	5865.1
	Post CD (%)	65	27	72	32	39	41	47	50	59	71	54

Table A2 (continued)

Variable	Statistic	Station										
		3336FB	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
90-day maximum	Pre median	270.5	405.3	722.9	1014.4	1231.2	1341.2	1597.2	1644.6	2004.4	2209.2	2771.2
	Pre CD (%)	56	38	53	52	54	53	46	48	68	92	120
	Pre 25th%ile	212.0	316.3	537.8	821.8	1006.7	1051.6	1179.6	1288.6	1588.8	1747.9	2186.2
	Pre 75th%ile	364.0	469.0	919.8	1345.0	1670.0	1763.5	1917.5	2071.7	2946.3	3782.3	5507.5
	Post median	392.7	372.5	735.5	836.4	1086.4	1322.8	1542.7	1800.2	2229.4	2786.2	4359.6
	Pre CD (%)	57	27	53	41	43	41	40	40	70	52	52
1-day minimum	Pre median	55.5	31.7	39.6	102.0	127.4	118.9	141.6	127.2	180.7	230.8	362.5
	Pre CD (%)	70	88	36	69	60	54	66	114	75	73	56
	Pre 25th%ile	40.2	22.7	33.7	90.6	99.1	99.1	107.6	104.8	133.1	159.7	303.0
	Pre 75th%ile	79.0	50.7	48.1	161.4	175.6	162.8	201.6	249.2	269.0	328.5	506.9
	Post median	93.7	149.0	89.5	362.5	311.5	365.3	388.0	396.5	475.8	501.3	693.8
	Post CD (%)	36	44	54	46	77	70	77	82	87	86	75
7-day minimum	Pre median	80.9	35.3	48.5	113.9	144.7	136.7	163.4	161.9	209.9	270.9	441.4
	Pre CD (%)	43	91	40	61	62	50	58	98	83	62	45
	Pre 25th%ile	63.6	26.5	41.2	97.5	114.5	116.7	136.3	119.8	154.4	189.1	333.8
	Pre 75th%ile	98.1	58.7	60.4	166.7	203.9	185.3	231.3	278.3	328.5	356.0	533.6
	Post median	114.3	157.5	97.9	410.2	359.3	415.1	467.7	566.0	585.0	638.8	856.9
	Post CD (%)	39	43	47	44	54	49	56	54	68	68	66
30-day minimum	Pre median	83.9	60.4	95.4	150.7	175.6	195.0	260.3	273.8	329.7	400.5	540.8
	Pre CD (%)	34	90	35	45	36	41	40	54	65	33	55
	Pre 25th%ile	71.9	31.1	74.8	135.8	158.5	151.0	198.1	209.0	246.4	347.6	432.5
	Pre 75th%ile	100.8	85.3	107.9	203.6	221.2	230.1	301.8	356.2	459.6	478.1	727.4
	Post median	126.8	166.7	144.4	417.4	437.0	500.6	583.5	658.0	745.1	787.0	1082.9
	Post CD (%)	33.0	54.0	34.0	49.0	19.0	44.0	44.0	52.0	55.0	57.0	55.0

Table A2 (continued)

Variable	Statistic	Station										
		3336FB	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
90-day minimum	Pre median	93.3	77.0	115.2	184.7	217.1	242.6	354.5	421.2	476.6	586.6	759.4
	Pre CD (%)	47	79	44	45	39	46	34	48	50	50	56
	Pre 25th%ile	125.5	34.1	144.3	162.8	191.9	195.9	280.1	285.6	343.6	401.5	507.4
	Pre 75th%ile	125.5	95.1	144.3	245.2	275.9	306.4	401.6	487.4	580.6	696.6	935.4
	Post median	133.7	202.0	170.4	492.5	484.1	576.5	706.9	797.4	913.7	1074.4	1370.0
	Pre CD (%)	34	38	33	44	27	38	37	41	46	43	50

Table A3. Median Julian dates of annual and seasonal (May-October) flow extremes before (Oct 1929-Sep 1948) and after (Oct 1967-Sep 1996) flow regulation at 11 stations along the Missouri and lower Yellowstone (**2592SN**) rivers. Refer to Table 3 for station locations in relation to reservoirs and see text for descriptions of statistics.

		Station										
Variable	Statistic	**3336FB**	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
Annual maximum	Pre median	161	166	159	161	101	157	166	162	165	156	142
	Pre CD (%)	4	34	4	20	22	23	19	17	12	25	14
	Pre 25th%ile	150	103	157	89	86	87	105	110	130	83	111
	Pre 75th%ile	166	226	170	164	167	171	175	171	173	174	164
	Post median	166	110	167	91	274	179	167	168	163	163	141
	Post CD (%)	8	30	3	35	19	25	22	20	29	38	39
Annual minimum	Pre median	225	345	355	358	350	352	354	362	365	4	3
	Pre CD (%)	36	10	8	17	8	5	6	5	6	5	4
	Pre 25th%ile	26	89	14	44	320	43	42	21	8	7	9
	Pre 75th%ile	262	345	353	345	355	352	353	358	354	353	356
	Post median	288	276	4	258	71	10	10	12	12	13	15
	Post CD (%)	26	48	20	41	24	9	5	6	5	5	10
May-Oct minimum	Pre median	246	223	248	248	256	266	267	270	278	278	283
	Pre CD (%)	8	27	4	11	18	20	13	11	8	8	11
	Pre 25th%ile	225	155	238	222	209	212	238	249	263	264	259
	Pre 75th%ile	256	253	254	263	275	286	286	288	292	294	299
	Post median	271	263	243	258	169	173	214	218	223	245	245
	Post CD (%)	13	40	5	35	31	37	27	32	28	20	23

Table A4. Threshold values used to define discharge pulse extremes and the frequency and duration of high and low pulses between pre- (Oct 1929-Sep 1948) and post- (Oct 1967-Sep 1996) flow regulation along the Missouri and lower Yellowstone (**2592SN**) rivers. Refer to Table 3 for station locations in relation to reservoirs and see text for descriptions of statistics.

		Station										
Variable	Statistic	**3336FB**	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
Threshold discharge (m^3 sec^{-1})	High pulse[a]	547.1	1316.0	392.2	1687.8	2022.9	2140.8	2216.2	2685.4	3801.8	4444.5	5718.8
	Low pulse	89.4	105.1	33.8	160.9	198.0	200.9	287.6	282.6	322.8	387.3	576.7
	Month of low pulse	Aug	Feb	Dec	Jan	Jan	Dec	Dec	Dec	Dec	Jan	Dec
Number of high pulses per year	Pre median	3	4	4	4	4	6	6	5	6	6	5
	Pre CD (%)	67	100	75	50	75	50	50	80	67	67	80
	Pre 25th%ile	2	3	3	3	3	4	4	4	3	3	2
	Pre 75th%ile	4	7	6	5	6	7	7	8	7	7	6
	Post median	6	6	4	5	2	4	5	7	6	9	8
	Post CD (%)	83	150	100	180	200	175	120	100	83	78	63
Duration of high pulses (days yr^{-1})	Pre median	16.0	12.3	17.0	16.0	14.8	8.9	8.8	6.6	6.5	7.0	8.8
	Pre CD (%)	58	81	88	115	99	80	67	113	205	146	116
	Pre 25th%ile	9.4	6.0	14.4	8.8	7.0	6.3	5.8	4.7	4.0	4.3	3.6
	Pre 75th%ile	18.7	16.0	29.3	27.3	21.8	13.3	11.7	12.1	17.3	14.5	13.8
	Post median	12.6	6.4	21.0	9.5	14.3	5.2	6.1	6.9	7.6	8.3	10.6
	Post CD (%)	97	217	89	158	223	332	262	160	86	75	64
Number of low pulses per year	Pre median	9	5	6	5	4	8	9	8	8	9	9
	Pre CD (%)	144	40	50	60	75	63	33	50	50	56	100
	Pre 25th%ile	7	4	5	4	3	4	7	7	6	6	8
	Pre 75th%ile	20	6	8	7	6	9	10	11	10	11	11
	Post median	8	3	5	5	1	2	2	3	3	4	6
	Post CD (%)	88	233	100	120	100	100	100	67	100	100	33
Duration of low pulses (days yr^{-1})	Pre median 13.5	35.6	19.5	26.8	27.3	16.6	16.4	14.9	15.9	19.7	16.3	
	Pre CD (%)	128	85	75	115	108	52	60	59	60	56	58
	Pre 25th%ile	8.7	17.2	14.0	17.9	20.0	13.8	12.0	13.0	12.8	12.6	11.0
	Pre 75th%ile	26.0	47.3	28.6	48.8	49.5	22.4	21.9	21.7	22.3	23.5	20.4
	Post median	3.1	10.1	10.7	6.9	48.0	42.5	33.0	21.7	18.5	13.0	10.7
	Post CD (%)	322	116	75	79	212	215	141	121	109	79	93

[a]High pulses occurred in June at all stations before flow regulation.

Table A5. Annual mean rate of discharge rises and falls and annual mean number of flow reversals between pre- (Oct 1929-Sep 1948) and post- (Oct 1967-Sep 1996) flow regulation along the Missouri and lower Yellowstone (**2592SN**) rivers. CV: Coefficient of variation = SD/mean*100. Refer to Table 3 for station locations in relation to reservoirs.

		Station										
Variabale	Statistic	**3336FB**	2738WP	**2592SN**	2115BM	1297YT	*991OM*	*905NC*	*721SJ*	*589KC*	*317BV*	*158HM*
Rate of rise	Pre mean	15.7	19.9	44.7	62.1	79.9	83.7	97.6	119.2	145.3	188.1	237.7
(m^3 sec^{-1} d^{-1})	Pre CV (%)	22	39	50	38	35	35	31	40	45	48	48
	Pre -1SD	12.2	12.1	22.5	38.6	51.8	54.7	67.2	72.0	79.4	98.1	123.8
	Pre +1SD	19.1	27.8	66.9	85.7	108.0	112.7	128.0	166.5	211.2	278.1	351.6
	Post mean	13.4	12.2	29.8	23.5	19.2	39.4	57.1	103.8	137.2	212.9	270.3
	Post CV (%)	30	30	32	34	41	33	36	53	52	43	39
Rate of fall	Pre mean	-15.2	-16.5	-32.3	-47.4	-55.7	-60.8	-74.3	-86.0	-102.7	-123.5	-154.3
(m^3 sec^{-1} d^{-1})	Pre CV (%)	-22	-32	-45	-30	-31	-31	-27	-36	-39	-41	-41
	Pre -1SD	-18.6	-21.8	-46.7	-61.7	-72.9	-79.5	-94.4	-117.3	-143.0	-174.6	-217.4
	Pre +1SD	-11.8	-11.2	-17.8	-33.1	-38.5	-42.2	-54.1	-54.8	-62.5	-72.3	-91.2
	Post mean	-12.5	-12.0	-21.3	-24.5	-21.3	-33.9	-44.4	-71.6	-91.7	-136.7	-173.8
	Post CV (%)	30	-32	-27	-34	-49	-27	-32	-39	-43	-40	-33
No. reversals	Pre mean	172.8	101.7	89.6	65.8	76.8	89.3	91.7	93.6	91.6	82.4	93.3
yr^{-1}	Pre CV (%)	14	22	16	18	11	11	10	10	9	11	12
	Pre -1SD	148.1	79.6	75.3	53.9	68.6	79.4	82.4	83.9	83.2	73.6	82.2
	Pre +1SD	197.5	123.8	103.8	77.6	85.1	99.3	101.1	103.3	99.9	91.3	104.5
	Post mean	162.5	153.7	86.1	161.1	119.9	124.9	119.2	115.9	108.8	95.4	106.2
	Post CV (%)	11	17	12	13	19	8	9	9	10	10	11