

3.4 Australian Hydrologic Summary

Models	Hydrologic Statistics - Australia														
	1970 - 1999 (20C3M)						2070 - 2099 (A1B)						Δ(1970-1999 to 2070-2099)		
	Area m ²	P mm/yr	E mm/yr	P-E mm/yr	Area m ²	P mm/yr	E mm/yr	P-E mm/yr	Area m ²	P mm/yr	E mm/yr	P-E mm/yr	ΔP mm/yr	ΔE mm/yr	Δ(P-E) mm/yr
BCCR-BCM2.0_Set1	7.65E+12	1059.1	885.3	173.8	7.65E+12	1113.5	917.6	195.9	7.65E+12	1113.5	917.6	195.9	54.4	32.3	22.1
CGCM3.1(t63)_Set1	7.91E+12	453.1	538.8	-85.7	7.91E+12	512.4	591.0	-78.6	7.91E+12	512.4	591.0	-78.6	59.3	52.2	7.1
CNRM-CM3_Set1	7.33E+12	722.0	710.3	11.6	7.33E+12	729.9	719.6	10.3	7.33E+12	729.9	719.6	10.3	7.9	9.3	-1.3
CSIRO-Mk3.0_Set1	7.71E+12	627.4	570.0	57.5	7.71E+12	525.3	517.4	7.9	7.71E+12	525.3	517.4	7.9	-102.2	-52.6	-49.6
CSIRO-Mk3.5_Set1	7.71E+12	487.9	497.3	-9.5	7.71E+12	369.6	421.4	-51.9	7.71E+12	369.6	421.4	-51.9	-118.3	-75.9	-42.4
GFDL-CM2.0_Set1	7.73E+12	379.7	415.2	-35.5	7.73E+12	313.9	369.1	-55.2	7.73E+12	313.9	369.1	-55.2	-65.8	-46.1	-19.7
GISS-AOM_Set1	7.96E+12	231.1	379.2	-148.1	7.96E+12	200.4	360.7	-160.2	7.96E+12	200.4	360.7	-160.2	-30.7	-18.5	-12.1
GISS-AOM_Set2	7.96E+12	227.5	374.6	-147.1	7.96E+12	203.2	362.8	-159.6	7.96E+12	203.2	362.8	-159.6	-24.3	-11.8	-12.4
GISS-EH_Set1	7.96E+12	1040.6	977.7	62.9	7.96E+12	1099.4	1023.1	76.2	7.96E+12	1099.4	1023.1	76.2	58.7	45.4	13.3
GISS-EH_Set2	7.96E+12	1023.9	974.8	49.2	7.96E+12	1086.3	1020.4	65.9	7.96E+12	1086.3	1020.4	65.9	62.4	45.6	16.8
GISS-EH_Set3	7.96E+12	1022.8	971.2	51.7	7.96E+12	1077.5	1006.6	70.9	7.96E+12	1077.5	1006.6	70.9	54.7	35.5	19.2
GISS-ER_Set1	7.96E+12	695.0	776.8	-81.8	7.96E+12	706.5	797.9	-91.3	7.96E+12	706.5	797.9	-91.3	11.5	21.1	-9.5
GISS-ER_Set2	7.96E+12	674.2	762.2	-88.0	7.96E+12	702.6	795.2	-92.6	7.96E+12	702.6	795.2	-92.6	28.3	32.9	-4.6
INGV-ECHAM4_Set1	7.61E+12	826.5	688.1	138.4	7.61E+12	732.4	630.2	102.2	7.61E+12	732.4	630.2	102.2	-94.1	-57.9	-36.2
INM-CM3.0_Set1	8.18E+12	491.0	584.5	-93.5	8.18E+12	518.5	624.9	-106.4	8.18E+12	518.5	624.9	-106.4	27.5	40.4	-12.9
IPSL-CM4_Set1	7.74E+12	190.6	374.2	-183.6	7.74E+12	170.6	381.2	-210.5	7.74E+12	170.6	381.2	-210.5	-19.9	7.0	-26.9
MIROC3.2_HIRES_Set1	7.59E+12	685.3	682.6	2.6	7.59E+12	720.2	696.7	23.5	7.59E+12	720.2	696.7	23.5	34.9	14.1	20.8
MIROC3.2_MEDRES_Set2	7.66E+12	792.2	803.3	-11.1	7.66E+12	941.9	907.5	34.4	7.66E+12	941.9	907.5	34.4	149.7	104.2	45.4
MIROC3.2_MEDRES_Set3	7.66E+12	841.0	831.1	9.9	7.66E+12	965.8	917.1	48.7	7.66E+12	965.8	917.1	48.7	124.8	86.0	38.7
MIUB-ECHO-G_Set1	7.72E+12	667.3	700.5	-33.2	7.72E+12	717.5	734.3	-16.8	7.72E+12	717.5	734.3	-16.8	50.1	33.8	16.4
MIUB-ECHO-G_Set2	7.72E+12	649.5	696.1	-46.6	7.72E+12	708.6	729.8	-21.3	7.72E+12	708.6	729.8	-21.3	59.1	33.7	25.3
MIUB-ECHO-G_Set3	7.72E+12	682.8	715.2	-32.4	7.72E+12	722.1	741.8	-19.7	7.72E+12	722.1	741.8	-19.7	39.3	26.6	12.7
MPI-ECHAM5_Set1	7.71E+12	412.6	469.2	-56.6	7.71E+12	390.7	465.6	-74.9	7.71E+12	390.7	465.6	-74.9	-21.9	-3.7	-18.3
MPI-ECHAM5_Set2	7.71E+12	497.8	546.4	-48.6	7.71E+12	369.7	447.5	-77.8	7.71E+12	369.7	447.5	-77.8	-128.1	-98.9	-29.2
MPI-ECHAM5_Set3	7.71E+12	436.5	490.6	-54.1	7.71E+12	400.6	471.1	-70.5	7.71E+12	400.6	471.1	-70.5	-35.9	-19.5	-16.4
MPI-ECHAM5_Set4	7.71E+12	408.5	469.5	-61.0	7.71E+12	439.0	503.8	-64.9	7.71E+12	439.0	503.8	-64.9	30.4	34.3	-3.8
NCAR-CCSM3.0_Set1	7.88E+12	577.9	527.9	50.0	7.88E+12	605.1	562.3	42.9	7.88E+12	605.1	562.3	42.9	27.2	34.4	-7.2
NCAR-CCSM3.0_Set2	7.88E+12	593.9	533.6	60.3	7.88E+12	607.5	562.3	45.2	7.88E+12	607.5	562.3	45.2	13.6	28.7	-15.1
NCAR-CCSM3.0_Set3	7.88E+12	582.2	530.5	51.7	7.88E+12	605.8	558.8	47.0	7.88E+12	605.8	558.8	47.0	23.6	28.3	-4.7
NCAR-CCSM3.0_Set4	7.88E+12	565.9	522.3	43.6	7.88E+12	602.9	560.0	42.9	7.88E+12	602.9	560.0	42.9	37.0	37.8	-0.8
NCAR-CCSM3.0_Set5	7.88E+12	580.5	529.6	50.8	7.88E+12	605.3	555.9	49.4	7.88E+12	605.3	555.9	49.4	24.9	26.3	-1.4
NCAR-CCSM3.0_Set6	7.88E+12	564.2	517.0	47.2	7.88E+12	626.4	571.1	55.3	7.88E+12	626.4	571.1	55.3	62.2	54.1	8.1
NCAR-CCSM3.0_Set7	7.88E+12	565.1	521.6	43.5	7.88E+12	625.1	567.4	57.8	7.88E+12	625.1	567.4	57.8	60.0	45.7	14.3
NCAR-PCM1_Set1	7.70E+12	762.2	782.5	-20.3	7.70E+12	773.2	787.2	-13.9	7.70E+12	773.2	787.2	-13.9	11.0	4.7	6.3
NCAR-PCM1_Set2	7.70E+12	769.1	787.5	-18.4	7.70E+12	764.4	789.5	-25.1	7.70E+12	764.4	789.5	-25.1	-4.7	2.0	-6.7
NCAR-PCM1_Set3	7.70E+12	774.3	791.8	-17.5	7.70E+12	765.8	790.3	-24.5	7.70E+12	765.8	790.3	-24.5	-8.5	-1.5	-7.0
NCAR-PCM1_Set4	7.70E+12	782.6	791.2	-8.6	7.70E+12	774.0	790.6	-16.6	7.70E+12	774.0	790.6	-16.6	-8.6	-0.6	-8.0
UKMO-HADCM3_Set1	7.47E+12	597.3	638.6	-41.3	7.47E+12	541.5	598.1	-56.6	7.47E+12	541.5	598.1	-56.6	-55.8	-40.5	-15.3
UKMO-HADGEM1_Set1	7.45E+12	534.0	578.3	-44.3	7.45E+12	467.2	525.6	-58.4	7.45E+12	467.2	525.6	-58.4	-66.8	-52.7	-14.1
SUMMARY															
STATISTICS															
Mean	627.6	639.4	639.4	-11.8	636.0	650.6	650.6	-14.6	636.0	650.6	650.6	-14.6	8.4	11.2	-2.8
SD	211.8	169.0	169.0	73.4	243.1	188.8	188.8	79.9	243.1	188.8	188.8	79.9	60.7	42.7	20.6
Min	190.6	374.2	374.2	-183.6	170.6	360.7	360.7	-210.5	170.6	360.7	360.7	-210.5	-128.1	-98.9	-49.6
Max	1059.1	977.7	977.7	173.8	1113.5	1023.1	1023.1	195.9	1113.5	1023.1	1023.1	195.9	149.7	104.2	45.4
Number of Model Runs showing increases													24	26	
Number of Model Runs showing decreases													15	13	