

Analysis and Results

Climate Change Analysis

Projected Precipitation

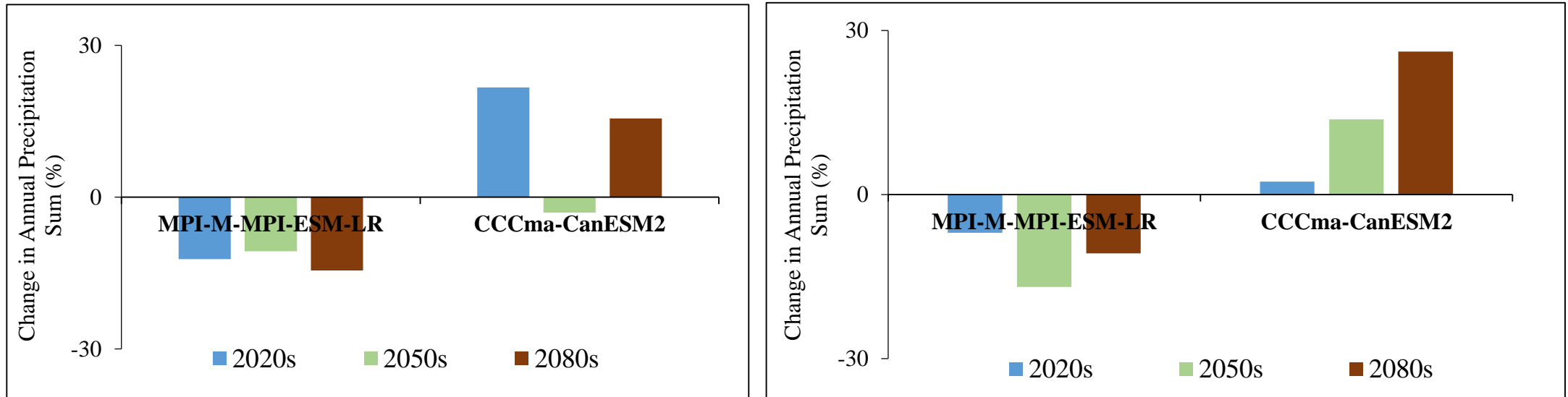


Figure: Changes in annual precipitation under RCP 4.5 and RCP 8.5

Table: Percent changes in annual precipitation sum

		2020s	2050s	2080s
RCP 4.5	MPI-M-MPI-ESM-LR	-12.27	-10.72	-14.49
	CCCma-CanESM2	21.69	-3.06	15.56
RCP 8.5	MPI-M-MPI-ESM-LR	-6.97	-16.88	-10.76
	CCCma-CanESM2	2.39	13.77	26.16

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Projected Temperature

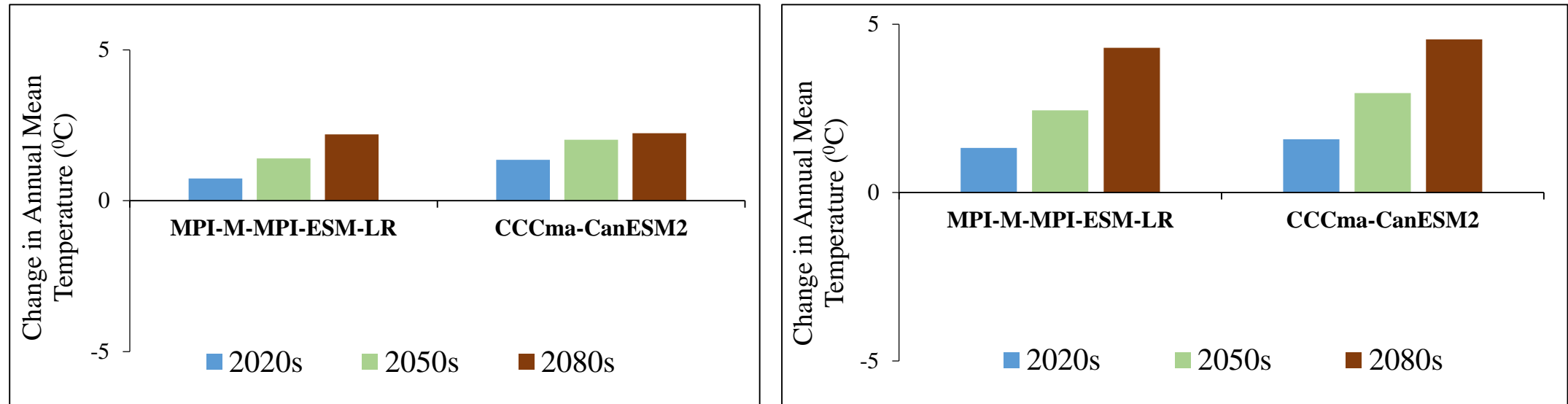


Figure: Changes in average annual temperature under RCP 4.5 and RCP 8.5

Table: Changes in average annual temperature

		2020s	2050s	2080s
RCP 4.5	MPI-M-MPI-ESM-LR	0.74	1.41	2.20
	CCCma-CanESM2	1.36	2.0	2.24
RCP 8.5	MPI-M-MPI-ESM-LR	1.33	2.44	4.29
	CCCma-CanESM2	1.58	2.95	4.54

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Impact on Discharge

Wet-Warm Scenario

Changes in Mean Monthly Discharge

RCP 4.5

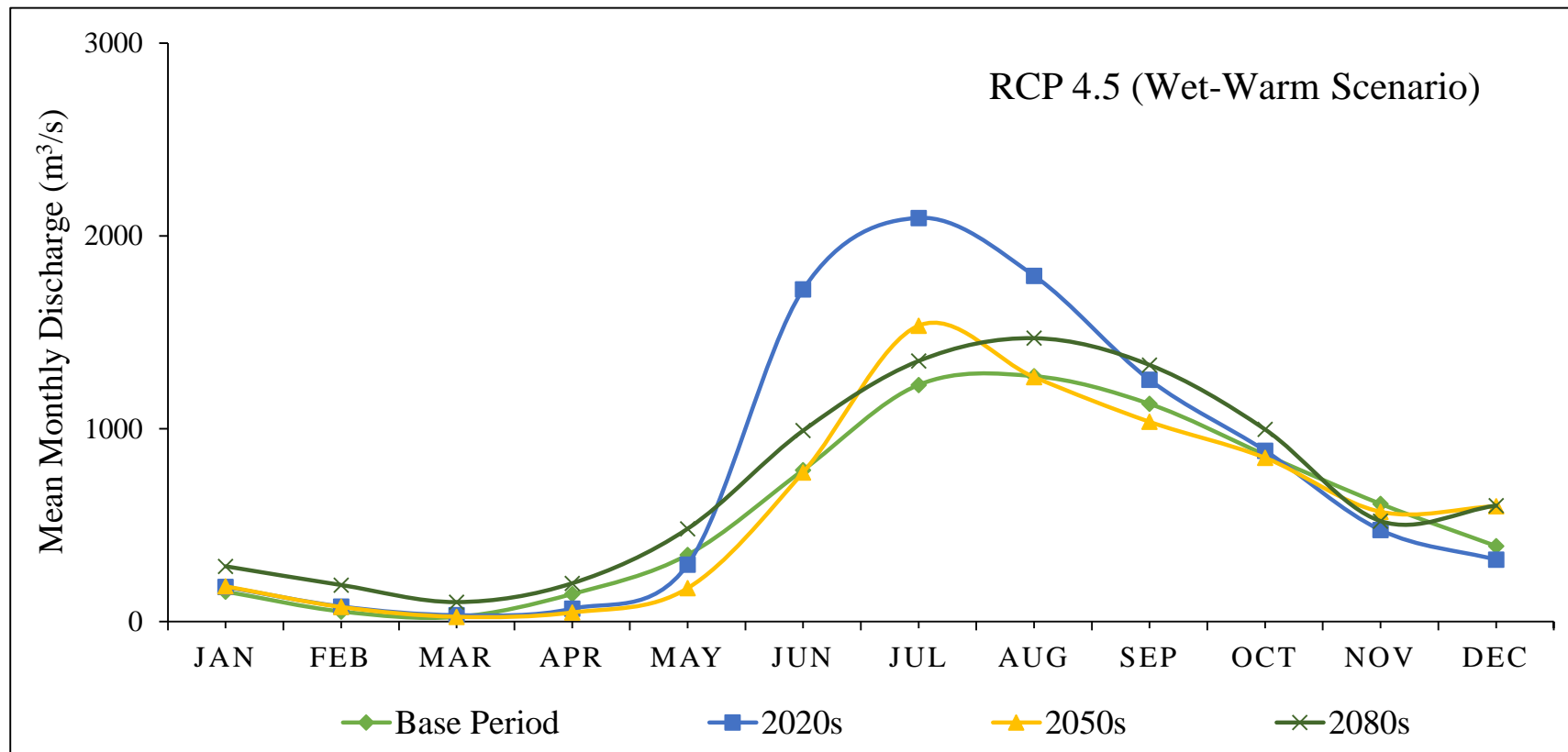


Figure: Mean monthly discharge under RCP 4.5 (wet-warm scenario)

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Impact on Discharge

Wet-Warm Scenario

Changes in Mean Monthly Discharge

RCP 4.5

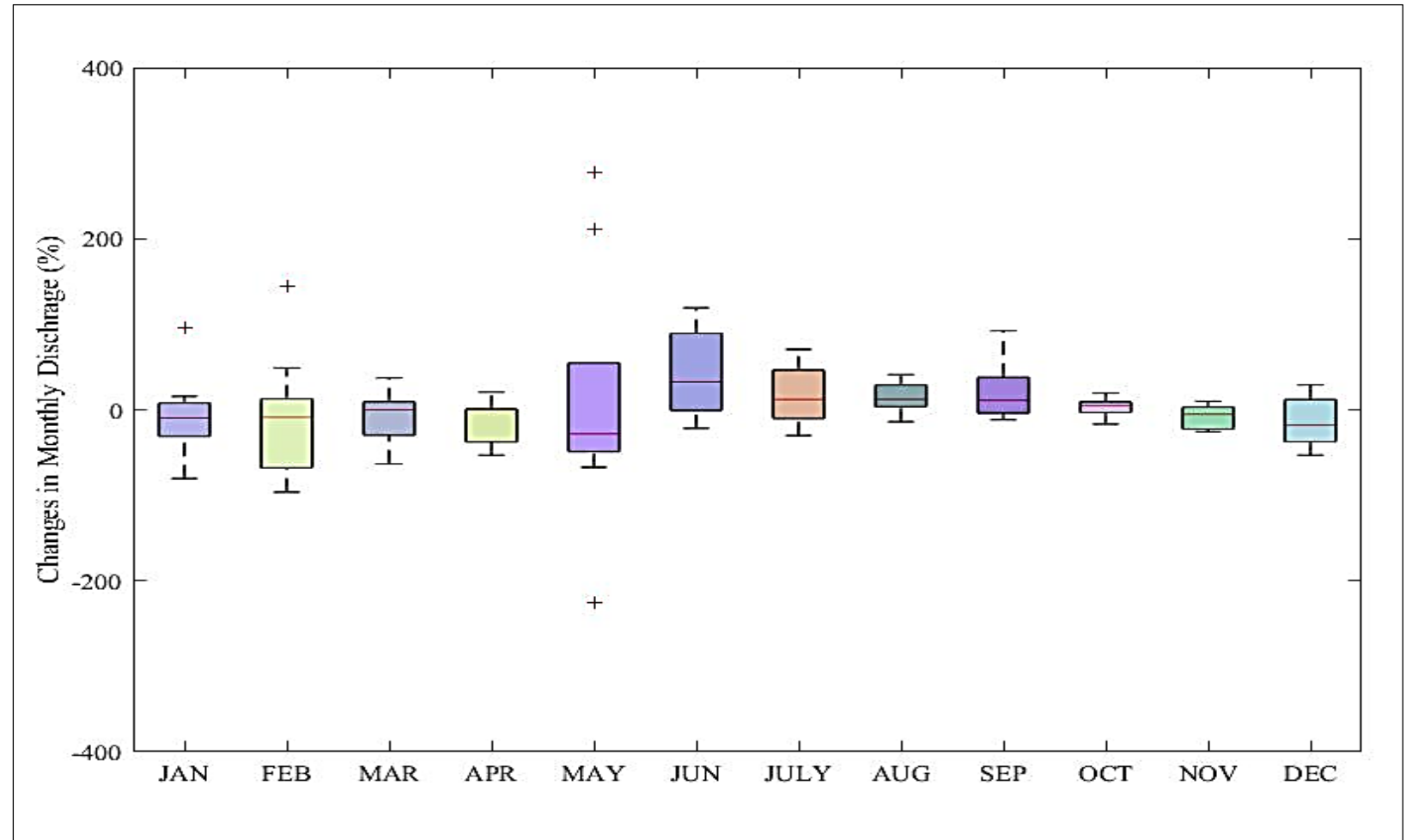


Figure: Changes in monthly discharge in the 2020s

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Impact on Discharge

Wet-Warm Scenario

Changes in Mean Monthly Discharge

RCP 4.5

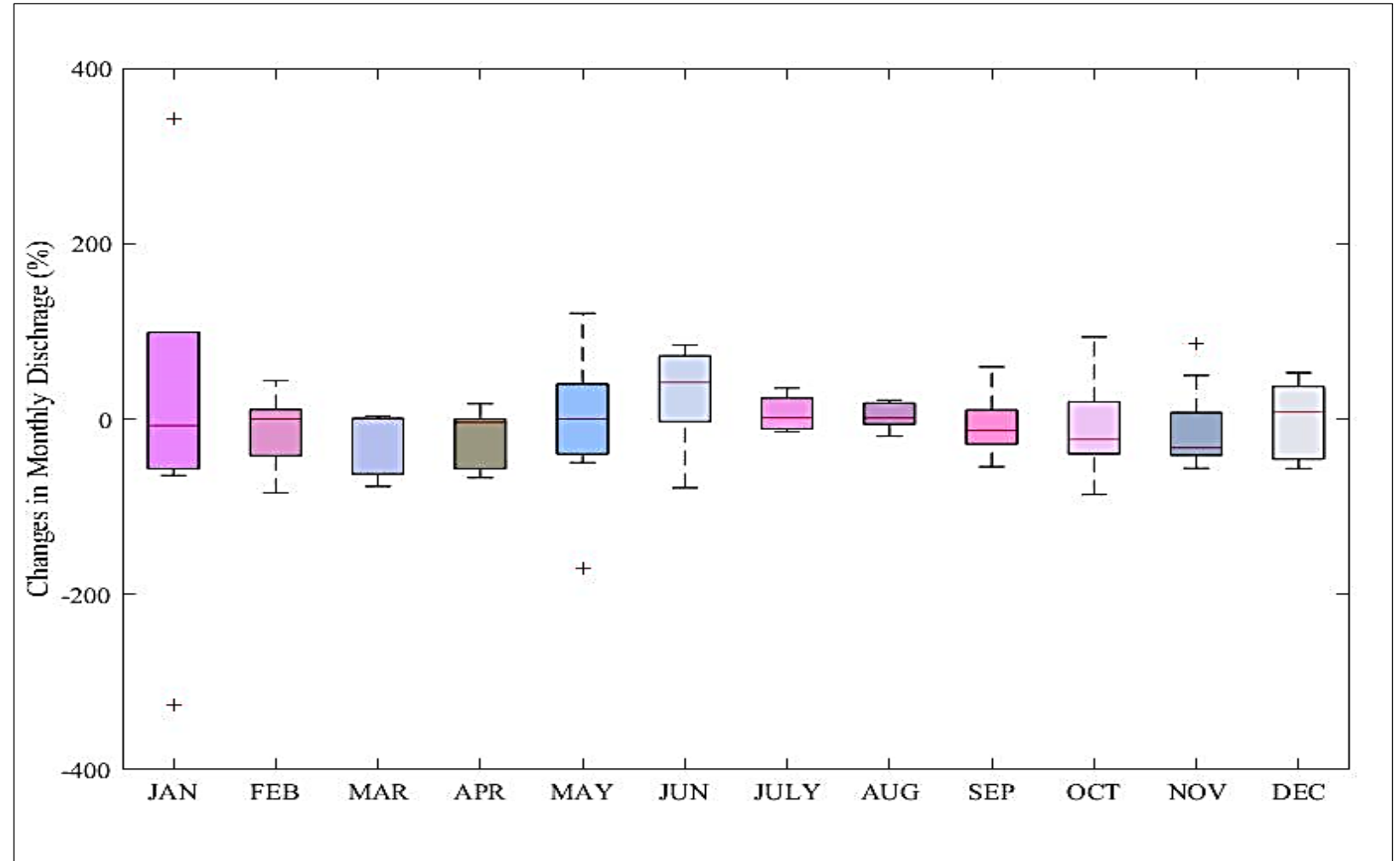


Figure: Changes in monthly discharge in the 2050s

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Wet-Warm Scenario

Changes in Mean Monthly Discharge

RCP 4.5

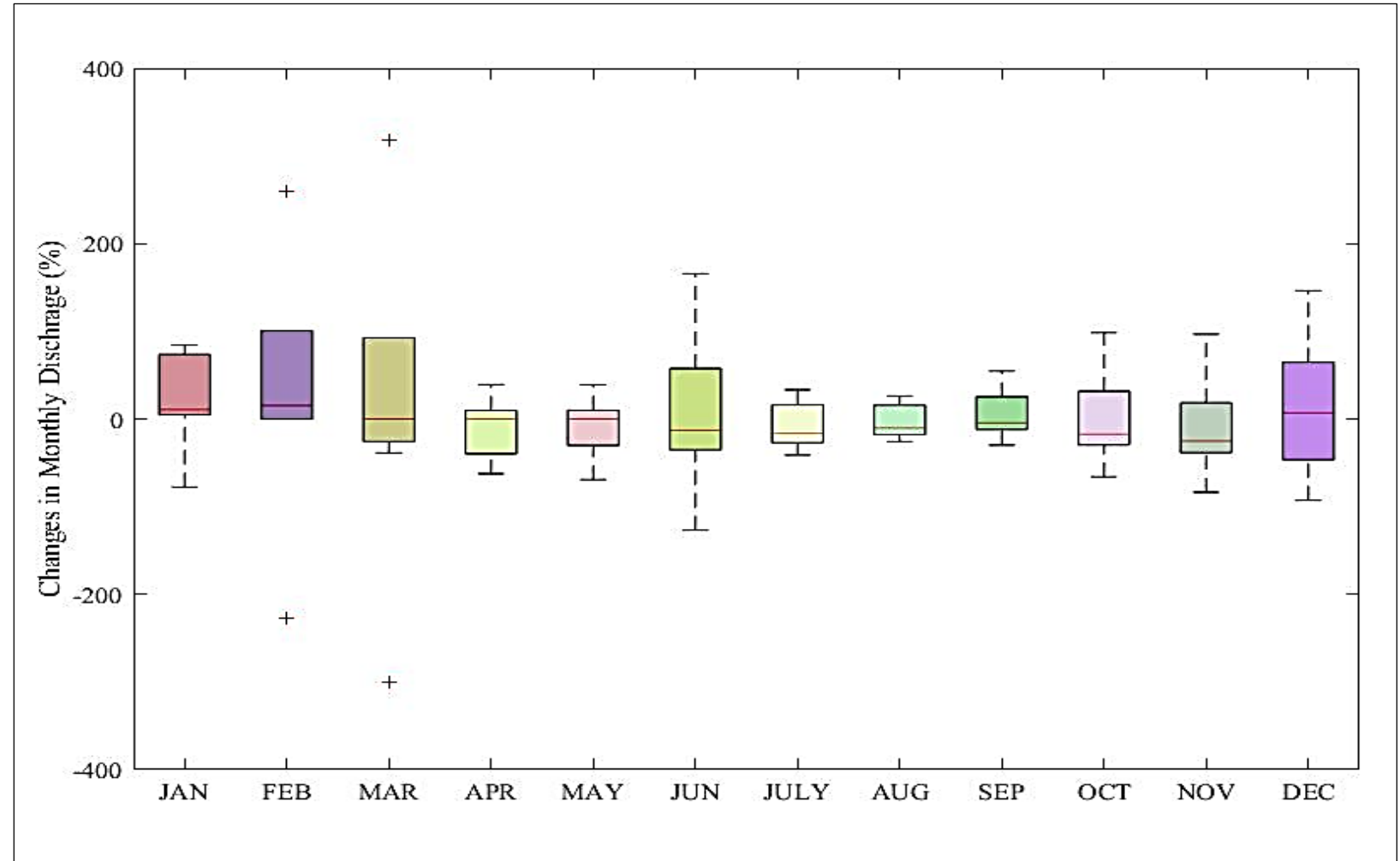


Figure: Changes in monthly discharge in the 2080s