Output from USGS National Climate Change Viewer (RCP8.5 scenario)

Temperature

	Current 1950-2005 Temp (°C)		Predicted 2025-2049 Δ Temp (°C)		Predicted 2050-2074 Δ Temp (°C)		Predicted 2075-2099 Δ Temp (°C)		
	min	max	min	max	min	max	min	max	
Winter	-7.0	2.5	2.4	1.8	4.4	3.4	6.1	4.8	J
	-6.1	3.6	2.3	1.9	3.9	3.2	5.7	4.7	F
	-2.1	7.5	2.0	1.8	3.4	3.2	4.7	4.4	M
Spring	2.8	13.5	1.8	1.7	3.2	3.1	4.8	4.6	A
	7.9	19.2	1.8	1.8	3.1	3.2	4.6	4.6	M
	13.2	24.2	1.8	1.9	3.3	3.5	4.6	4.9	J
Summer	16.5	27.1	2.0	2.1	3.6	3.8	5.1	5.3	J
	15.9	26.4	2.2	2.2	3.9	3.9	5.5	5.6	A
	11.7	22.4	2.1	2.2	3.8	3.8	5.5	5.4	S
Fall	5.9	16.8	2.2	2.1	3.7	3.6	5.3	5.1	O
	1.4	11.0	2.1	2.0	3.6	3.4	5.0	4.7	N
	-4.2	4.9	2.5	2.2	4.2	3.6	5.6	4.8	D

Winter	-5.1	4.5	2.2	1.8	3.9	3.3	5.5	4.6
Spring	8.0	19.0	1.8	1.8	3.2	3.3	4.7	4.7
Summer	14.7	25.3	2.1	2.2	3.8	3.8	5.4	5.4
Fall	1.0	10.9	2.3	2.1	3.8	3.5	5.3	4.9
Annual	4.6	14.9	2.1	2.0	3.7	3.5	5.3	4.9

* RCP8.5 scenario is the most aggressive emissions scenario in which GHGs continue to rise unchecked through the end of the century leading to an equilavent radiative forcing of 8.5 Wm-2, about 1370 ppm CO2 equivalent.

For perspective, the current atmospheric CO2 level is about 400 ppm.

Output from USGS National Climate Change Viewer (RCP8.5 scenario)

Precipitation and Water Balance Modeling

	Current 1950-2005 Precip (mm/day)	Predicted 2025-2049 Δ Precip (mm/day)	Predicted 2050-2074 Δ Precip (mm/day)	Predicted 2075-2099 Δ Precip (mm/day)	Change in Evap. Deficit 2025-2049 (mm/mo)	Change in Evap. Deficit 2050-2074 (mm/mo)	Change in Evap. Deficit 2075-2099 (mm/mo)	Change in Runoff 2025-2049 (mm/mo)	Change in Runoff 2050-2074 (mm/mo)	Change in Runoff 2074-2099 (mm/mo)	
Winter	3.2	0.3	0.7	0.9	0.0	0.0	0.0	18.1	32.5	40.4	J
	3.2	0.3	0.5	0.7	0.0	0.0	0.0	24.5	39.4	48.9	F
	3.6	0.5	0.7	0.9	0.0	0.0	0.0	25.6	32.9	33.7	M
Spring	3.5	0.2	0.3	0.5	0.0	0.0	0.0	-9.2	-19.8	-23.2	A
	2.9	0.2	0.2	0.4	0.0	0.1	0.3	-18.8	-28.8	-30.9	M
	2.7	0.2	0.3	0.4	2.2	5.4	8.5	-9.7	-15.1	-16.7	J
Summer	2.5	0.2	0.1	0.2	9.3	23.8	39.3	-4.6	-7.8	-8.5	J
	3.2	0.3	0.2	0.2	8.5	22.3	37.2	-2.0	-4.3	-5.0	A
	3.2	0.1	0.1	0.0	3.5	8.1	14.3	-2.1	-4.7	-5.4	S
Fall	3.2	-0.1	0.1	0.1	0.4	1.1	2.5	-4.8	-7.3	-9.1	O
	3.8	0.2	0.5	0.5	0.0	0.0	0.0	-5.5	-8.5	-13.5	N
	3.6	0.3	0.5	0.8	0.0	0.0	0.0	8.8	13.1	12.6	D

Winter	3.3	0.4	0.6	0.8	0.0	0.0	0.0	22.7	34.9	41.0
Spring	3.0	0.2	0.3	0.4	0.7	1.8	2.9	-12.6	-21.2	-23.6
Summer	3.0	0.2	0.1	0.1	7.1	18.1	30.3	-2.9	-5.6	-6.3
Fall	3.5	0.1	0.4	0.5	0.1	0.4	0.8	-0.5	-0.9	-3.3
Annual	3.2	0.3	0.4	0.5	2.0	5.1	8.4	1.7	1.8	1.9

Definitions:
Evaporative deficit, the difference between potential evapotranspiration (PET), which is the amount of evapotranspiration that would occur if unlimited water were available, and actual evapotranspiration (AET) which is what occurs when water is limited.

Runoff, the sum of direct runoff (DRO) that occurs from precipitation and snow melt and surplus runoff (RO) which occurs when soil moisture is at 100% capacity.