

## HazardReport\_San Bernardino County\_v2\_Final

06071

San Bernardino County

Source: Esri, U.S. Climate Resilience Toolkit

### Hazard Report

## Extreme Heat

San Bernardino County, California



Total Population  
① 2,149,031



Non-Hispanic White Population (%)  
72%



Income Below Poverty in Last 12 Mo (%)  
16%



Building Codes Hazard Resistance  
① Partially Resistant



% Population Disadvantaged  
① 48.11%



[Explore additional data](#)



U.S. Climate Resilience Toolkit

Source: Census Bureau, CEQ, Esri, FEMA, MRLC, NOAA, UCSD

National Risk Index Rating  
Relatively Moderate



according to the [FEMA National Risk Index](#)

Extreme Heat Annualized Frequency  
① 9.01

Expected Annual Loss Rating  
① Relatively Moderate

Expected Annual Loss Total (\$)  
① \$366,740.41



### Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Min - Max					
<strong>Temperature thresholds:</strong>							
Annual days with maximum temperature > 90°F	114 days 114 - 121	133 days 127 - 143	135 days 120 - 147	141 days 131 - 154	147 days 134 - 161	148 days 137 - 163	169 days 152 - 188
Annual days with maximum temperature > 95°F	85 days 82 - 89	103 days 94 - 116	105 days 90 - 119	111 days 100 - 128	118 days 105 - 136	119 days 108 - 139	141 days 125 - 165
Annual days with maximum temperature > 100°F	52 days 49 - 54	69 days 59 - 84	72 days 60 - 87	78 days 66 - 99	85 days 73 - 108	87 days 74 - 99	111 days 97 - 143
Annual days with maximum temperature > 105°F	22 days 20 - 24	36 days 28 - 50	38 days 31 - 53	44 days 34 - 67	51 days 39 - 75	52 days 40 - 84	78 days 66 - 117
<strong>Annual temperature:</strong>							
Annual single highest maximum temperature °F	109 °F 108 - 109	112 °F 111 - 115	112 °F 111 - 114	113 °F 112 - 120	114 °F 112 - 118	114 °F 112 - 119	118 °F 115 - 124
Annual highest maximum temperature averaged over a 5-day period °F	106 °F 105 - 107	109 °F 107 - 112	109 °F 108 - 111	110 °F 109 - 115	111 °F 108 - 115	111 °F 109 - 116	115 °F 112 - 122
Cooling degree days (CDD)	2567 degree-days 2491 - 2631	3,052 degree-days 2,825 - 3,320	3,116 degree-days 2,849 - 3,416	3,306 degree-days 2,977 - 3,642	3,538 degree-days 3,226 - 3,932	3,566 degree-days 3,220 - 4,039	4,420 degree-days 3,862 - 5,210

N/A = Data Not Available for the selected area

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### Hazard Report

## Coastal Inundation

San Bernardino County, California



Total Population  
① 2,149,031



Non-Hispanic White Population (%)  
72%



Income Below Poverty in Last 12 Mo (%)  
16%



Building Codes Hazard Resistance  
① Partially Resistant



% Population Disadvantaged  
① 48.11%



[Explore additional data](#)



U.S. Climate Resilience Toolkit

Source: Census Bureau, CEQ, Esri, FEMA, MRLC, NOAA, UCSD

National Risk Index Rating  
Not Applicable

Coastal Inundation Annualized Frequency  
① N/A

Expected Annual Loss Rating  
① Not Applicable

Expected Annual Loss Total (\$)  
① N/A

according to the [FEMA National Risk Index](#)

### Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
<strong>Sea level rise:</strong>							
	Percent of selected county impacted by global sea level rise	N/A	0% 0%	0% 0%	0% 0%	0% 0%	0% 0%

N/A = Data Not Available for the selected area

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San Bernardino County

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### Hazard Report

## Flooding

San Bernardino County, California



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Non-Hispanic White Population (%)  
72%



Income Below Poverty in Last 12 Mo (%)  
16%



Building Codes Hazard Resistance  
① Partially Resistant



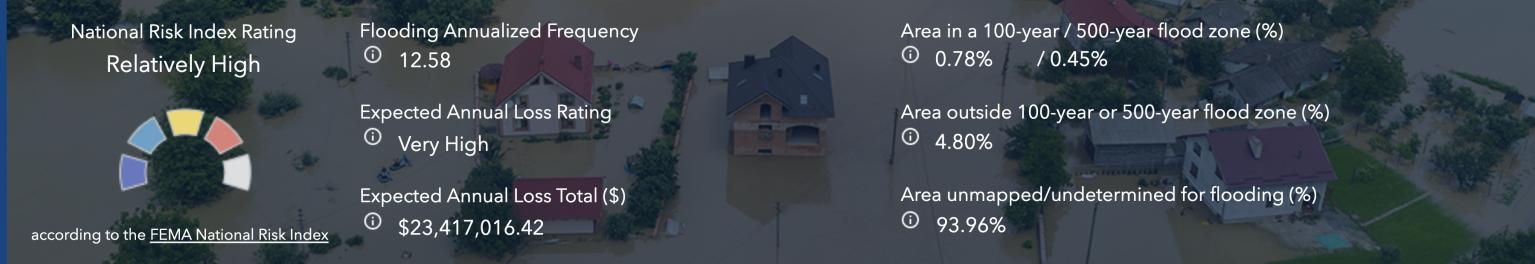
% Population Disadvantaged  
① 48.11%



[Explore additional data](#)



U.S. Climate Resilience Toolkit  
Source: Census Bureau, CEQ, Esri, FEMA, MRLC, NOAA, UCSD



### Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
<strong>Precipitation:</strong>							
Annual average total precipitation	6" 6 - 7	6" 5 - 8	7" 6 - 8	6" 5 - 8	6" 5 - 8	6" 5 - 8	6" 5 - 10
Days per year with precipitation (wet days)	44 days 43 - 47	43 days 37 - 49	42 days 32 - 51	41 days 34 - 49	41 days 31 - 53	41 days 33 - 52	39 days 22 - 65
Maximum period of consecutive wet days	6 days 5 - 6	6 days 5 - 7	6 days 4 - 7	6 days 4 - 7	6 days 4 - 7	6 days 4 - 7	5 days 3 - 9
<strong>Annual days with:</strong>							
Annual days with total precipitation > 1inch	1 days 1 - 1	1 days 0 - 1	1 days 1 - 1	1 days 0 - 1	1 days 0 - 1	1 days 0 - 1	1 days 0 - 1
Annual days with total precipitation > 2 inches	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0
Annual days with total precipitation > 3 inches	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0
Annual days that exceed 99th percentile precipitation	2 days 1 - 16	2 days 1 - 17	3 days 1 - 18	2 days 1 - 17	3 days 1 - 18	3 days 1 - 19	3 days 1 - 19
Days with maximum temperature below 32 °F	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0

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## HazardReport\_San Bernardino County\_v2\_Final

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San Bernardino County

Source: Esri, U.S. Climate Resilience Toolkit

### Hazard Report Wildfire

San Bernardino County, California

Total Population  
① 2,149,031

Non-Hispanic White Population (%)  
72%

Income Below Poverty in Last 12 Mo (%)  
16%

Building Codes Hazard Resistance  
① Partially Resistant

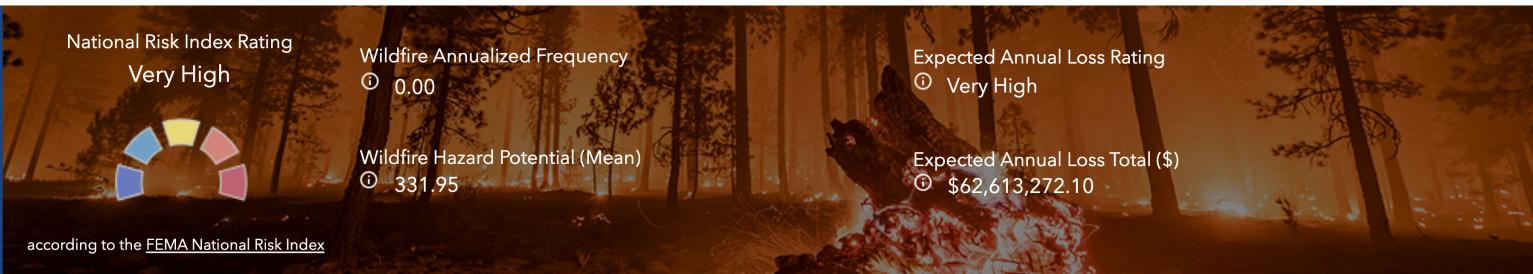
% Population Disadvantaged  
① 48.11%

Explore additional data



U.S. Climate Resilience Toolkit

Source: Census Bureau, CEQ, Esri, FEMA, MRLC, NOAA, UCSD



### Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
<strong>Precipitation:</strong>							
Days per year with no precipitation (dry days)	321 days 318 - 322	322 days 316 - 329	323 days 314 - 333	324 days 316 - 331	325 days 312 - 334	324 days 314 - 332	327 days 300 - 344
Maximum number of consecutive dry days	78 days 70 - 94	82 days 67 - 100	81 days 68 - 95	83 days 72 - 101	85 days 71 - 106	84 days 69 - 108	92 days 69 - 140
Days per year with precipitation (wet days)	44 days 43 - 47	43 days 37 - 49	42 days 32 - 51	41 days 34 - 49	41 days 31 - 53	41 days 33 - 52	39 days 22 - 65
<strong>Temperature thresholds:</strong>							
Annual days with maximum temperature > 90°F	114 days 114 - 121	133 days 127 - 143	135 days 120 - 147	141 days 131 - 154	147 days 134 - 161	148 days 137 - 163	169 days 152 - 188
Annual days with maximum temperature > 100°F	52 days 49 - 54	69 days 59 - 84	72 days 60 - 87	78 days 66 - 99	85 days 73 - 108	87 days 74 - 99	111 days 97 - 143

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### Hazard Report

# Drought

San Bernardino County, California



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72%



Income Below Poverty in Last 12 Mo (%)  
16%



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① Partially Resistant



% Population Disadvantaged  
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Source: Census Bureau, CEQ, Esri, FEMA, MRLC, NOAA, UCSD



### Future Climate Indicators

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
<strong>Precipitation:</strong>							
Average annual total precipitation	6" 6 - 7	6" 5 - 8	7" 6 - 8	6" 5 - 8	6" 5 - 8	6" 5 - 8	6" 5 - 10
Days per year with precipitation (wet days)	44 days 43 - 47	43 days 37 - 49	42 days 32 - 51	41 days 34 - 49	41 days 31 - 53	41 days 33 - 52	39 days 22 - 65
Days per year with no precipitation (dry days)	321 days 318 - 322	322 days 316 - 329	323 days 314 - 333	324 days 316 - 331	325 days 312 - 334	324 days 314 - 332	327 days 300 - 344
Maximum number of consecutive dry days	78 days 70 - 94	82 days 67 - 100	81 days 68 - 95	83 days 72 - 101	85 days 71 - 106	84 days 69 - 108	92 days 69 - 140
<strong>Temperature thresholds:</strong>							
Annual days with maximum temperature > 90 °F	114 days 114 - 121	133 days 127 - 143	135 days 120 - 147	141 days 131 - 154	147 days 134 - 161	148 days 137 - 163	169 days 152 - 188
Annual days with maximum temperature > 100 °F	52 days 49 - 54	69 days 59 - 84	72 days 60 - 87	78 days 66 - 99	85 days 73 - 108	87 days 74 - 99	111 days 97 - 143

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