

Park Fire Situation Report for Jul 29, 2024 at 19:00 EDT

Data last updated on Jul 31, 2024 at 00:00 EDT

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Summary

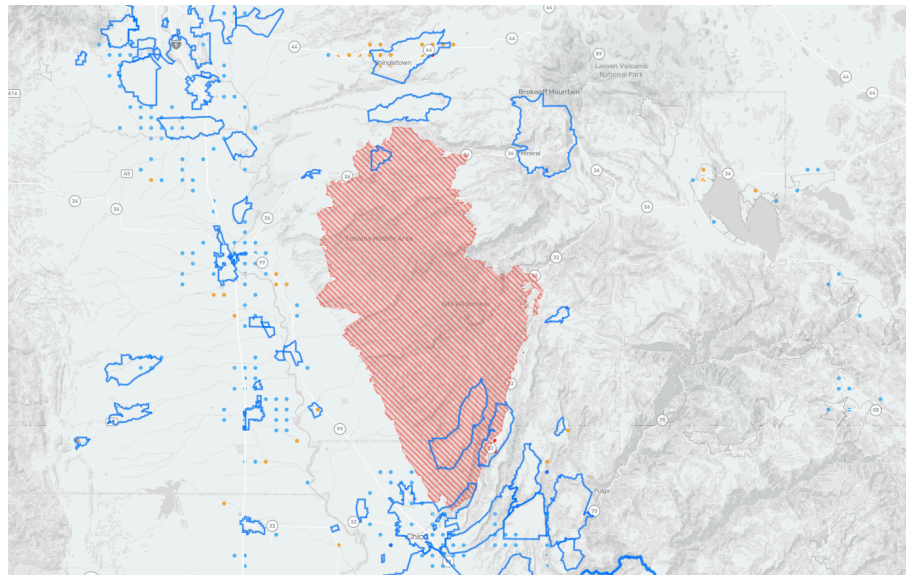
As of Tuesday, July 30th the Park Fire is the fifth largest wildfire in California history measured by acres burned. The five counties neighboring and intersecting the fire perimeter -- Tehama, Butte, Glenn, Plumas, and Shasta -- are home to a total of 513,691 people, nearly 20% of whom are age 65 or older.

According to data on change in population totals as measured by the Facebook user base relative to a 90-day pre-crisis baseline, key areas of recorded population drop on Monday the 29th of July include the towns of Shingletown (-38%), Forest Ranch (-61%), Vina (-31%), Magalia (-4%), Artois (-11%), and Paskenta (-30%). The nearby city of Chico saw population increase of +9%, just slightly higher than Durham, Paradise, and Red Bluff which saw increases in the +7% to +8% range, albeit given baseline population sizes roughly 10-12% of Chico. Movement data also shows a moderately increased rate of population flow between Chico, Oroville, and Orland.

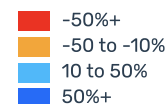
Data on the Facebook population in this part of California is considered to be reasonably high representativeness of the general population. The Facebook population with foreground location services represents roughly 15.2% of the total population in this area. At the ACS Place level, the Facebook user population is correlated to the general Census population with an R2 value of .96.

MOVEMENT

% Pop. Density Change on Jul 29, 2024 at 19:00 EDT



Facebook Mobility Data



% Pop. Density Change on Jul 29, 2024 at 19:00 EDT with place selections.

Population Density on Jul 29, 2024 at 19:00 EDT

Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Tehama	11996	12883	7%	N/A
Butte	35962	38192	6%	N/A
Glenn	4732	4897	3%	N/A
Shasta	31970	32948	3%	N/A
Igo	N/A	N/A	N/A	N/A
Rancho Tehama Reserve	139	157	13%	N/A
Butte Valley	127	141	11%	N/A
Butte Creek Canyon	193	214	11%	N/A
Chico	14216	15508	9%	N/A
Proberta	37	40	9%	N/A
Concow	116	125	8%	N/A
Nord	25	27	8%	N/A
Durham	1217	1312	8%	N/A
Lake California	461	497	8%	N/A
Paradise	1506	1622	8%	N/A
Cottonwood	732	786	7%	N/A
Red Bluff	1635	1753	7%	N/A
Palo Cedro	391	419	7%	N/A
Corning	270	285	5%	N/A
Bend	60	62	4%	N/A
Tehama	35	36	4%	N/A
Orland	816	844	3%	N/A
Happy Valley	708	731	3%	N/A
Berry Creek	31	32	3%	N/A
Redding	17381	17875	3%	N/A
Anderson	1341	1371	2%	N/A
Los Molinos	232	235	1%	N/A
Millville	59	60	1%	N/A
Centerville	245	247	1%	N/A
Las Flores	51	51	1%	N/A
Shingletown	266	166	−38%	N/A
Flournoy	N/A	N/A	N/A	N/A
Forest Ranch	65	25	−61%	N/A
Cohasset	N/A	N/A	N/A	N/A
Manton	N/A	N/A	N/A	N/A
Paynes Creek	N/A	N/A	N/A	N/A
Dales	N/A	N/A	N/A	N/A
Gerber	N/A	N/A	N/A	N/A
Richfield	N/A	N/A	N/A	N/A
Vina	28	19	−31%	N/A
Stirling City	N/A	N/A	N/A	N/A
Butte Meadows	N/A	N/A	N/A	N/A
Mineral	N/A	N/A	N/A	N/A
Yankee Hill	12	12	1%	N/A

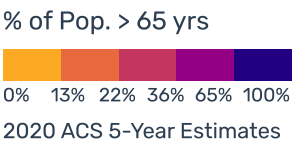
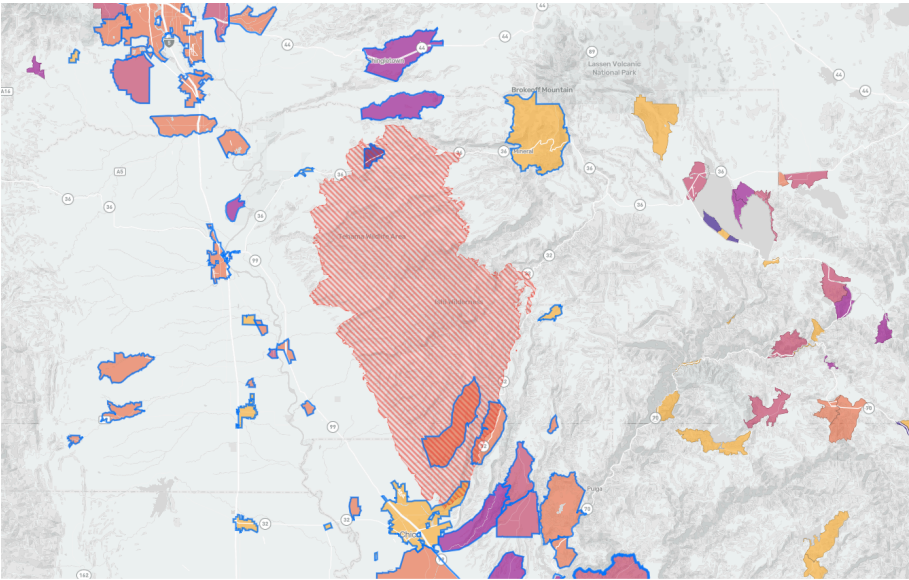
Location	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼	Confidence Level
Magalia	1310	1257	−4%	N/A
Artois	22	20	−11%	N/A
Paskenta	17	12	−30%	N/A
Hamilton City	N/A	N/A	N/A	N/A
Cherokee	N/A	N/A	N/A	N/A

% Pop. Density Change Over Time



VULNERABILITY

Pop. > 65 yrs on Jul 29, 2024 at 19:00 EDT



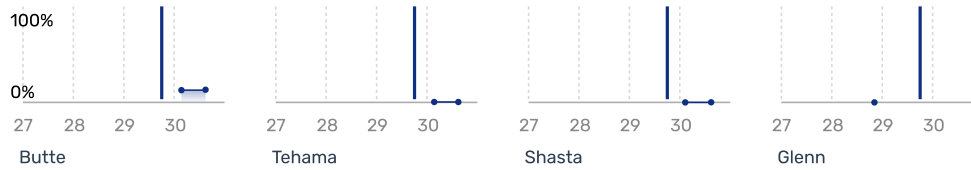
Demographics

Location	Total Pop.	Pop. > 65 yrs	% of Pop. > 65 yrs ▼	% of Women Pop.	% of Children Under 5	% of Pop. Below Poverty Level	Num. Customers Without Power	DME Users	DME Users / 100K Pop.
Shasta	179,267	36,923	21%	N/A	N/A	15%	N/A	3058	0.0306
Tehama	64,176	12,707	20%	N/A	N/A	19%	N/A	921	0.0092
Butte	223,344	40,663	18%	N/A	N/A	18%	N/A	2701	0.0270
Glenn	28,060	4,593	16%	N/A	N/A	15%	N/A	421	0.0042
Paynes Creek	47	33	70%	N/A	N/A	0%	N/A	N/A	N/A
Bend	425	268	63%	N/A	N/A	29%	N/A	N/A	N/A
Manton	331	203	61%	N/A	N/A	18%	N/A	N/A	N/A
Butte Creek Canyon	677	355	52%	N/A	N/A	6%	N/A	N/A	N/A
Shingletown	2,291	926	40%	N/A	N/A	6%	N/A	N/A	N/A
Cherokee	100	39	39%	N/A	N/A	0%	N/A	N/A	N/A
Artois	236	90	38%	N/A	N/A	4%	N/A	N/A	N/A
Butte Valley	907	345	38%	N/A	N/A	7%	N/A	N/A	N/A
Paradise	17,560	6,078	35%	N/A	N/A	15%	N/A	N/A	N/A
Berry Creek	1,278	330	26%	N/A	N/A	34%	N/A	N/A	N/A
Palo Cedro	2,893	738	26%	N/A	N/A	3%	N/A	N/A	N/A
Tehama	503	120	24%	N/A	N/A	14%	N/A	N/A	N/A
Magalia	11,444	2,729	24%	N/A	N/A	14%	N/A	N/A	N/A
Happy Valley	5,652	1,315	23%	N/A	N/A	8%	N/A	N/A	N/A
Cohasset	497	107	22%	N/A	N/A	4%	N/A	N/A	N/A
Centerville	2,170	462	21%	N/A	N/A	4%	N/A	N/A	N/A
Flournoy	161	34	21%	N/A	N/A	23%	N/A	N/A	N/A
Millville	879	184	21%	N/A	N/A	15%	N/A	N/A	N/A
Lake California	3,276	673	21%	N/A	N/A	18%	N/A	N/A	N/A
Yankee Hill	256	52	20%	N/A	N/A	19%	N/A	N/A	N/A
Durham	6,255	1,261	20%	N/A	N/A	4%	N/A	N/A	N/A
Gerber	1,084	211	19%	N/A	N/A	38%	N/A	N/A	N/A
Redding	92,025	17,746	19%	N/A	N/A	16%	N/A	N/A	N/A
Concow	472	91	19%	N/A	N/A	6%	N/A	N/A	N/A
Vina	212	39	18%	N/A	N/A	26%	N/A	N/A	N/A
Forest Ranch	1,551	278	18%	N/A	N/A	5%	N/A	N/A	N/A
Las Flores	217	38	18%	N/A	N/A	21%	N/A	N/A	N/A
Los Molinos	1,924	315	16%	N/A	N/A	26%	N/A	N/A	N/A
Rancho Tehama Reserve	1,750	280	16%	N/A	N/A	34%	N/A	N/A	N/A
Richfield	341	54	16%	N/A	N/A	17%	N/A	N/A	N/A
Cottonwood	5,435	848	16%	N/A	N/A	14%	N/A	N/A	N/A
Anderson	10,479	1,447	14%	N/A	N/A	19%	N/A	N/A	N/A
Red Bluff	14,091	1,921	14%	N/A	N/A	24%	N/A	N/A	N/A
Paskenta	59	8	14%	N/A	N/A	3%	N/A	N/A	N/A
Stirling City	300	40	13%	N/A	N/A	64%	N/A	N/A	N/A
Nord	368	49	13%	N/A	N/A	0%	N/A	N/A	N/A
Corning	7,589	671	9%	N/A	N/A	20%	N/A	N/A	N/A
Igo	148	8	5%	N/A	N/A	0%	N/A	N/A	N/A

Location	Total Pop.	Pop. > 65 yrs	% of Pop. > 65 yrs ▼	% of Women Pop.	% of Children Under 5	% of Pop. Below Poverty Level	Num. Customers Without Power	DME Users	DME Users / 100K Pop.
Dales	0	N/A	N/A	N/A	N/A	0%	N/A	N/A	N/A
Chico	98,683	12,297	12%	N/A	N/A	22%	N/A	N/A	N/A
Orland	7,843	949	12%	N/A	N/A	19%	N/A	N/A	N/A
Hamilton City	2,446	219	9%	N/A	N/A	15%	N/A	N/A	N/A
Mineral	250	20	8%	N/A	N/A	4%	N/A	N/A	N/A
Proberta	36	N/A	0%	N/A	N/A	0%	N/A	N/A	N/A
Butte Meadows	25	N/A	0%	N/A	N/A	0%	N/A	N/A	N/A

Power Outages

Counties

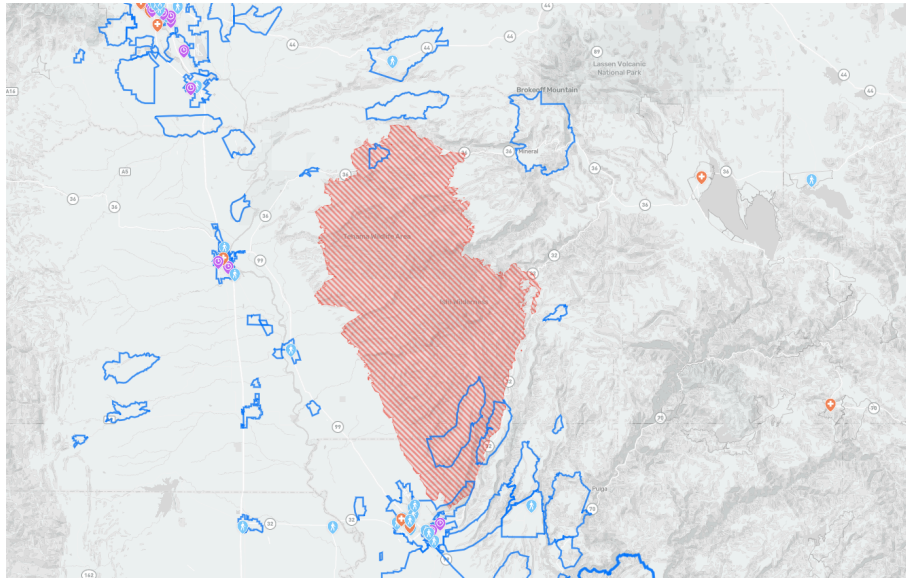


Places



INFRASTRUCTURE

Healthcare Facilities in and Around Place Selections on Jul 29, 2024 at 19:00 EDT



-  Hospitals
-  Long Term / Other
-  Outpatient

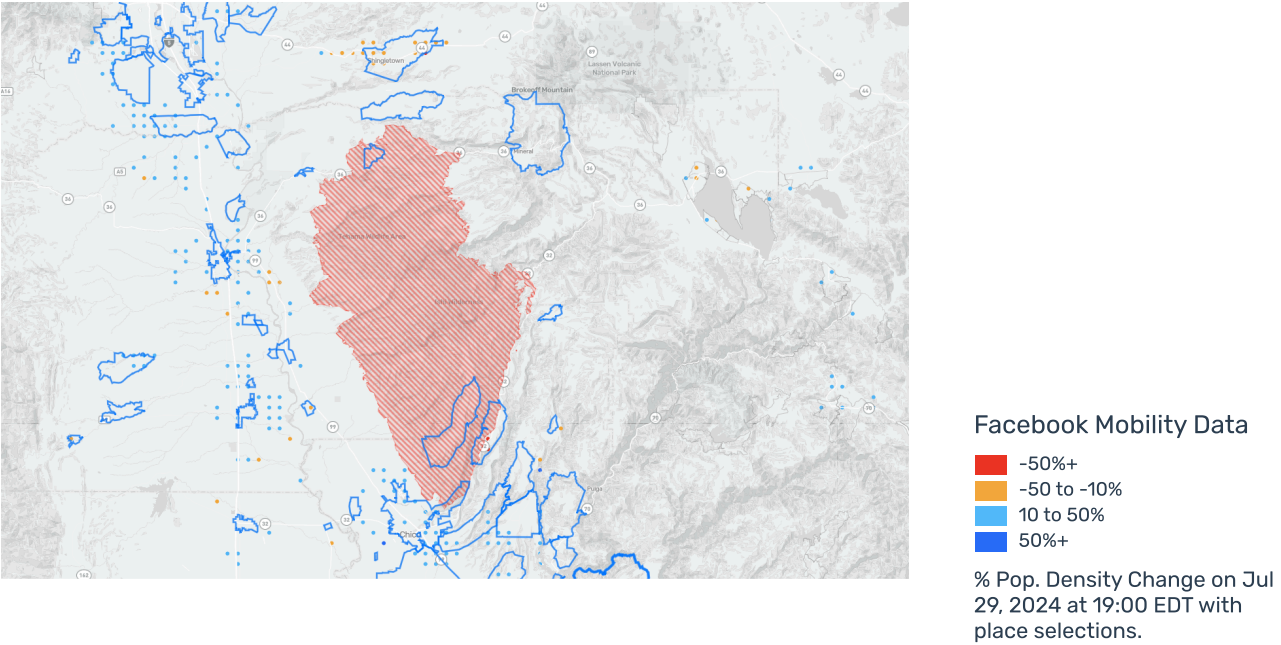
Health facilities in and around Park Fire on Jul 29, 2024 at 19:00 EDT with place selections.

Types of Healthcare Facilities in Place Selections

Location	All ▼	Hospitals	Long Term / Other	Outpatient
Butte	34	6	8	20
Shasta	30	7	8	15
Tehama	7	2	2	3
Glenn	5	1	1	3
Chico	22	4	5	13
Redding	21	6	6	9
Red Bluff	6	2	2	2
Anderson	2	0	1	1
Shingletown	1	0	0	1
Los Molinos	1	0	0	1
Paradise	1	0	0	1
Orland	1	0	0	1
Hamilton City	1	0	0	1
Igo	0	0	0	0
Centerville	0	0	0	0
Happy Valley	0	0	0	0
Millville	0	0	0	0
Palo Cedro	0	0	0	0
Cottonwood	0	0	0	0
Rancho Tehama Reserve	0	0	0	0
Flournoy	0	0	0	0
Forest Ranch	0	0	0	0
Cohasset	0	0	0	0
Manton	0	0	0	0
Paynes Creek	0	0	0	0
Lake California	0	0	0	0
Dales	0	0	0	0
Bend	0	0	0	0
Proberta	0	0	0	0
Las Flores	0	0	0	0
Gerber	0	0	0	0
Tehama	0	0	0	0
Richfield	0	0	0	0
Corning	0	0	0	0
Vina	0	0	0	0
Stirling City	0	0	0	0
Butte Meadows	0	0	0	0
Mineral	0	0	0	0
Paskenta	0	0	0	0
Butte Valley	0	0	0	0
Butte Creek Canyon	0	0	0	0
Magalia	0	0	0	0
Nord	0	0	0	0
Artois	0	0	0	0

Location	All ▼	Hospitals	Long Term / Other	Outpatient
Durham	0	0	0	0
Yankee Hill	0	0	0	0
Cherokee	0	0	0	0
Concow	0	0	0	0
Berry Creek	0	0	0	0

MOBILITY MATRIX



Summarized Origin-Destination Matrix until Jul 29, 2024 at 19:00 EDT

Origin - Destination	Baseline Pop.	Current Crisis Pop.	Pop. Density vs. Baseline ▼
Butte - Sutter	12	15	27%
Glenn - Butte	25	29	18%
Shasta - Shasta	2122	2309	9%
Butte - Butte	3749	4074	9%
Tehama - Tehama	458	496	8%
Glenn - Glenn	238	244	3%
Butte - Glenn	35	36	2%
Chico - Oroville	12	15	26%
Orland - Chico	25	29	18%
Chico - Chico	2801	3127	12%
Red Bluff - Red Bluff	74	81	10%
Redding - Redding	2006	2196	9%
Anderson - Anderson	49	50	3%
Chico - Orland	35	36	2%
Redding - Shasta Lake	10	10	-2%
Anderson - Redding	11	10	-7%
Orland - Orland	87	81	-7%
Redding - Anderson	25	21	-15%
Chico - Magalia	13	11	-17%

CrisisReady is a research response platform at the Harvard Data Science Initiative and Direct Relief that advances data-driven decision making in emergency response. Contact us at info.crisisready.io to get in touch.

Report created on Jul 30, 2024 at 16:40 EDT