

Documentation of site characteristics and climate in long-term study of population dynamics of *Clarkia xantiana* ssp. *xantiana* at 35 sites in the Kern River Valley, California, USA from 2006 to 2017.

Data File Name: Datafile_Site_Environment.csv

Site locations and environmental variables of 35 populations of *Clarkia xantiana* ssp. *xantiana* where plant density and fruit production have been measured

Column heading definitions:

Site: Site Acronym (population acronym)

Site_name: Full site name

Demography: Boolean variable denoting whether or not population is included in more detailed demographic studies (T=true, F=false)

Easting: Easting location (m) in UTM NAD 27, zone 11 north

Northing: Northing location (m) in UTM NAD 27, zone 11 north

Elevation: elevation (m)

Area: area of occupancy of population in hectares (ha)

Parent_Rock: Composition of parent bedrock, categories: igneous or metasedimentary

Linear_Azimuth: Degrees from true north ($^{\circ}$), NA if not available

Average_Slope: Average inclination of slope at site ($^{\circ}$)

Solar_Radiation_Winter_Solstice: Solar radiation at winter solstice (Watts/m²)

Solar_Radiation_Spring_Equinox: Solar radiation at spring equinox (Watts/m²)

Year: year in which seedlings and fruiting plants are counted

WinterT: average daily temperature ($^{\circ}$ C) from November 1 of previous year to February 28 of current year, NA if not available

SpringT: average daily temperature ($^{\circ}$ C) from March 1 to June 30 of current year, NA if not available

SummerT: average daily temperature ($^{\circ}$ C) from July 1 to October 31 of current year, NA if not available

WinterP: Cumulative precipitation (mm) from November 1 of previous year to February 28 of current year, NA if not available

SpringP: Cumulative precipitation (mm) from March 1 to June 30 of current year, NA if not available

SummerP: Cumulative precipitation (mm) from July 1 to October 31 of current year, NA if not available

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