

**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/m<sup>2</sup>)

**Solar\_Radiation\_Spring\_Equinox:** Solar radiation at spring equinox (Watts/m<sup>2</sup>)

**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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