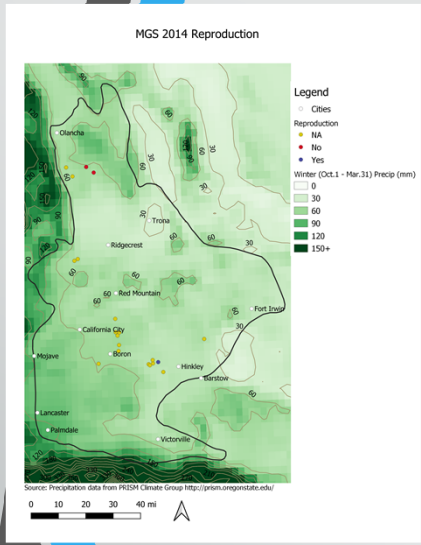
Precipitation Data from PRISM climate models

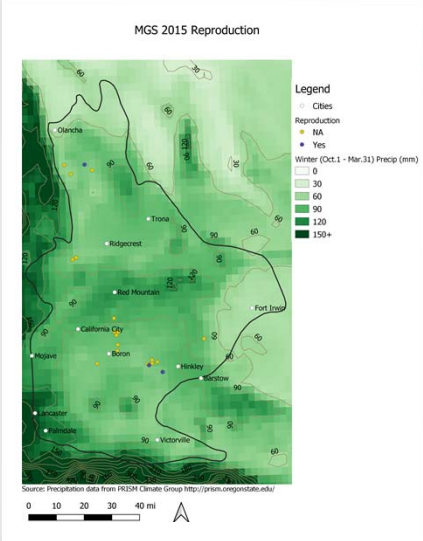
PRISM
CLIMATE GROUP

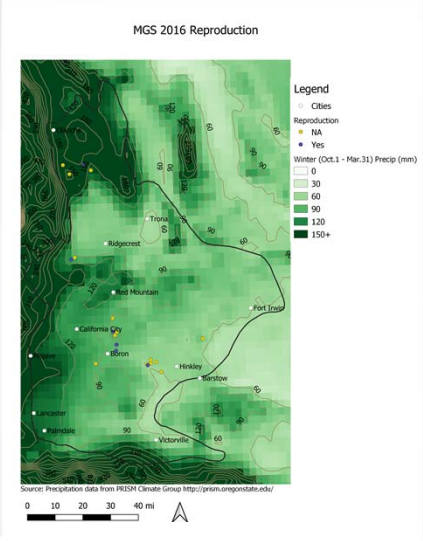
What is PRISM?

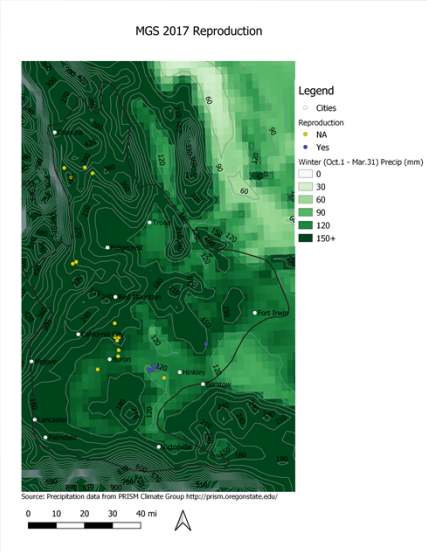
- Climate models developed & hosted by Oregon State University
- Produces spatial maps and data of climate data in the U.S. including:
  - 30-year averages of precipitation and temperature (800 m resolution)
  - Daily and monthly values for precipitation and temperature for dates 6+months old (4 km resolution)
  - Preliminary data for most recent 6 months (4 km resolution)
  - Comparisons of long-term conditions
  - Some data goes as far back as 1895 (but complete set is for as far back as 1981)

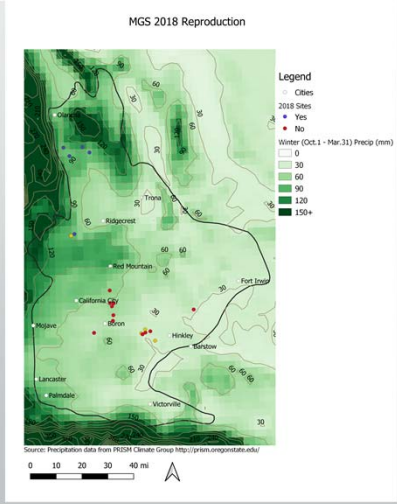
PRISM and MGS



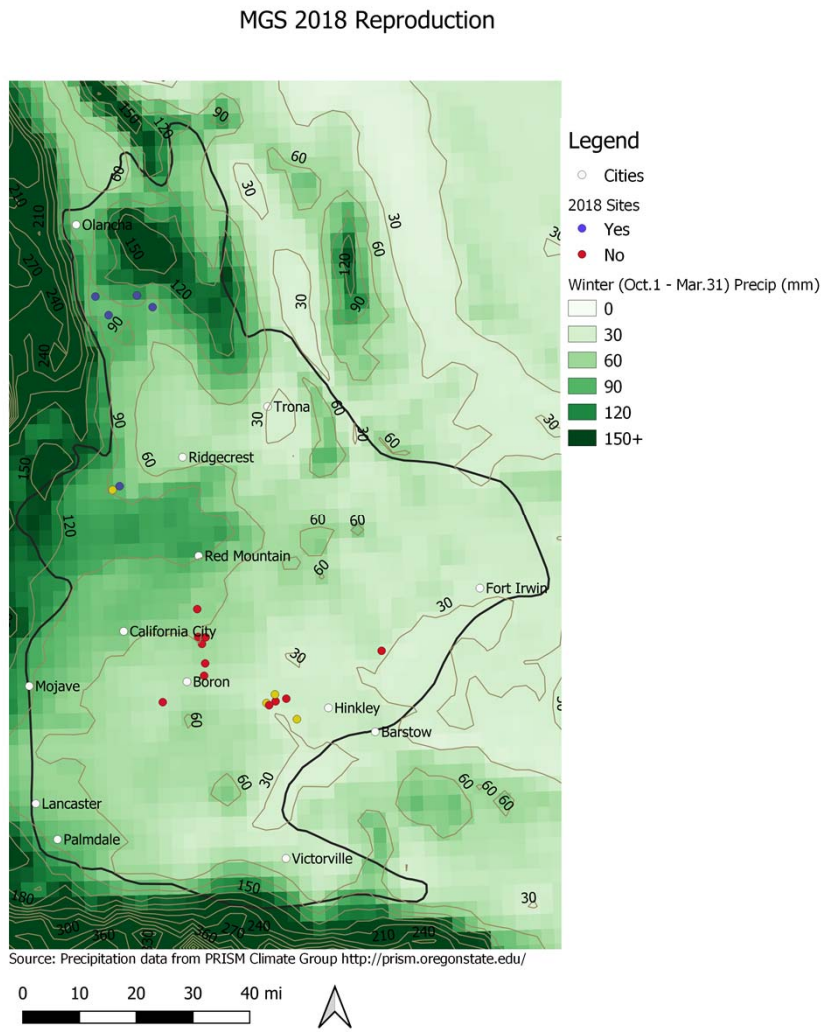




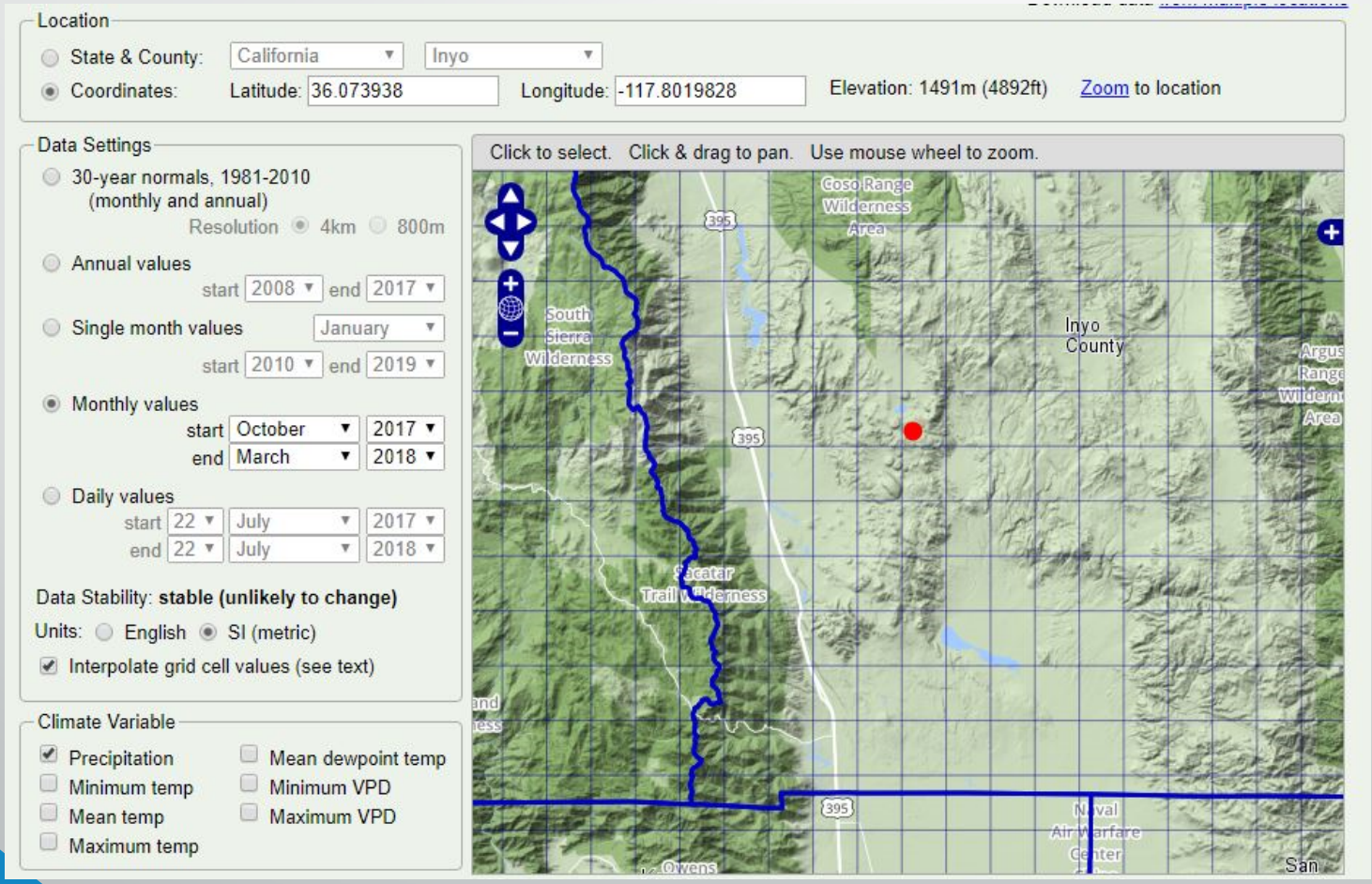




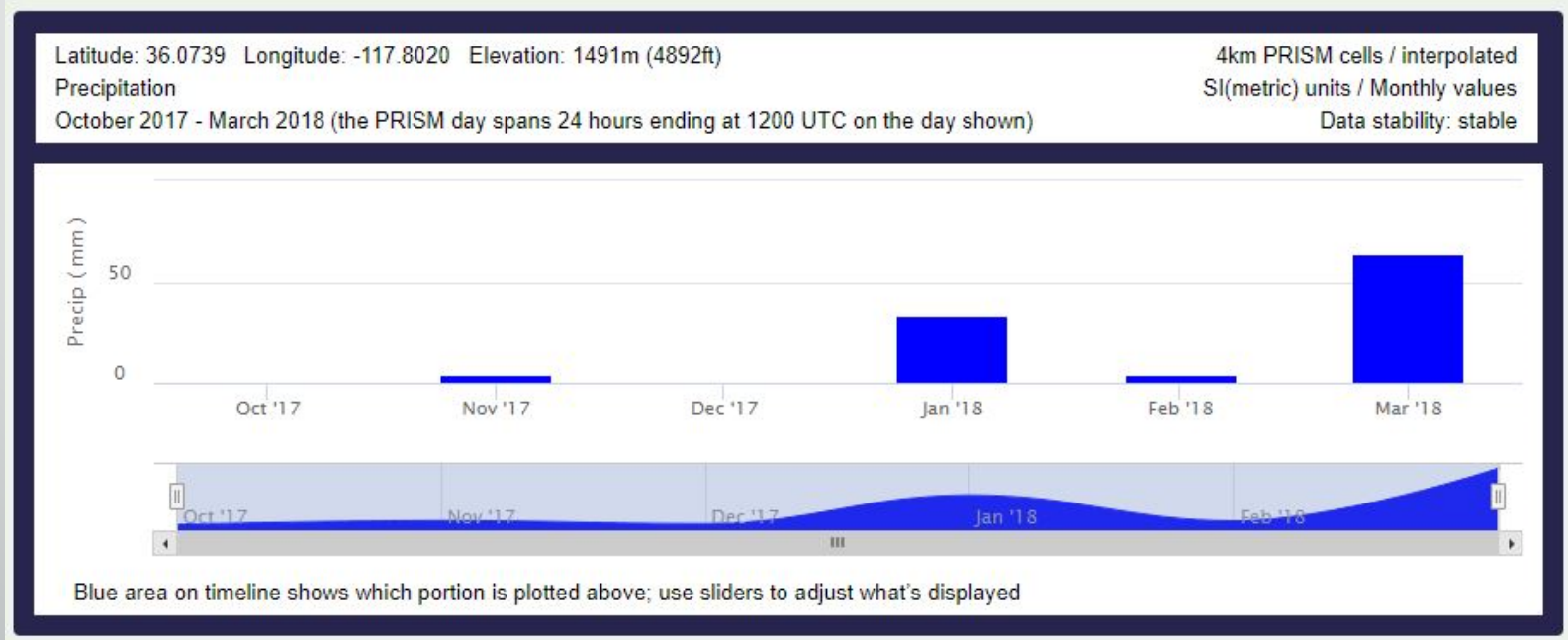
Close-Up


MGS 2018 Reproduction
Legend
Cities
2018 Sites
Yes
No
Winter (Oct.1 - Mar.31) Precip (mm)
0
30
60
90
120
150+
Olancha
Trona
Ridgecrest
Red Mountain
Fort Irwin
California City
Mojave
Boron
Hinkley
Barstow
Lancaster
Palmdale
Victorville
Source: Precipitation data from PRISM Climate Group http://prism.oregonstate.edu/
0 10 20 30 40 mi

PRISM Web Tool



Results on Webtool



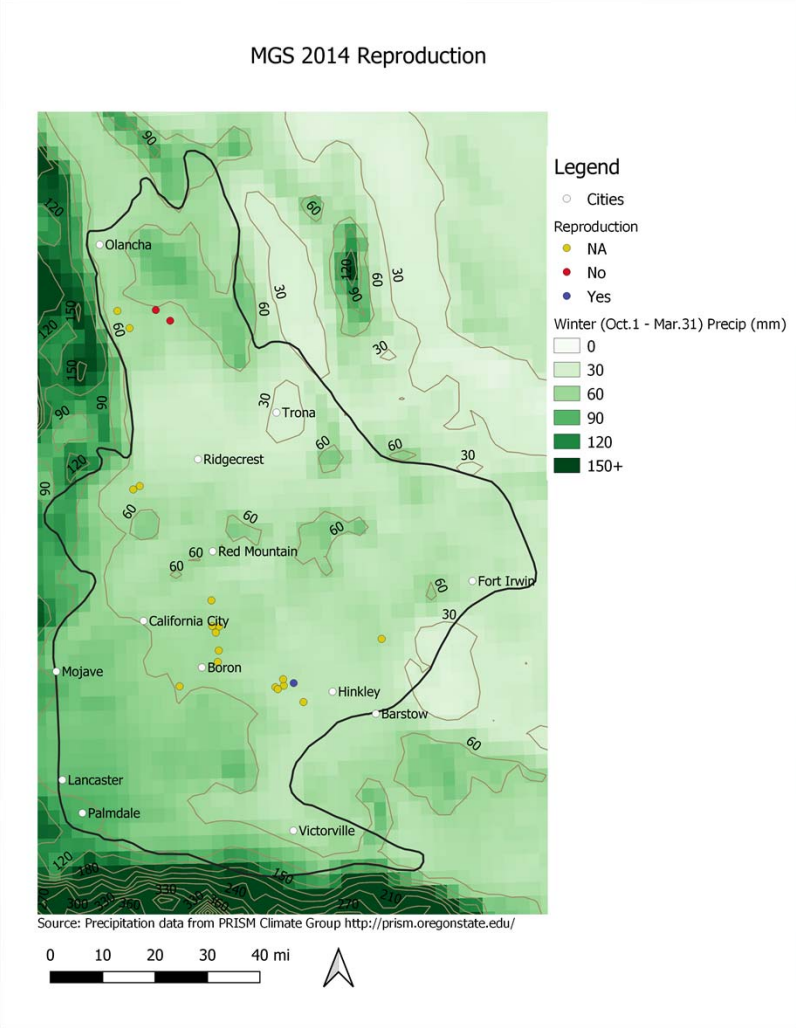
Thoughts on Field Checking?

- PRISM is well accepted in the research/modeling community
- HOWEVER, field checking can't hurt. Thoughts?

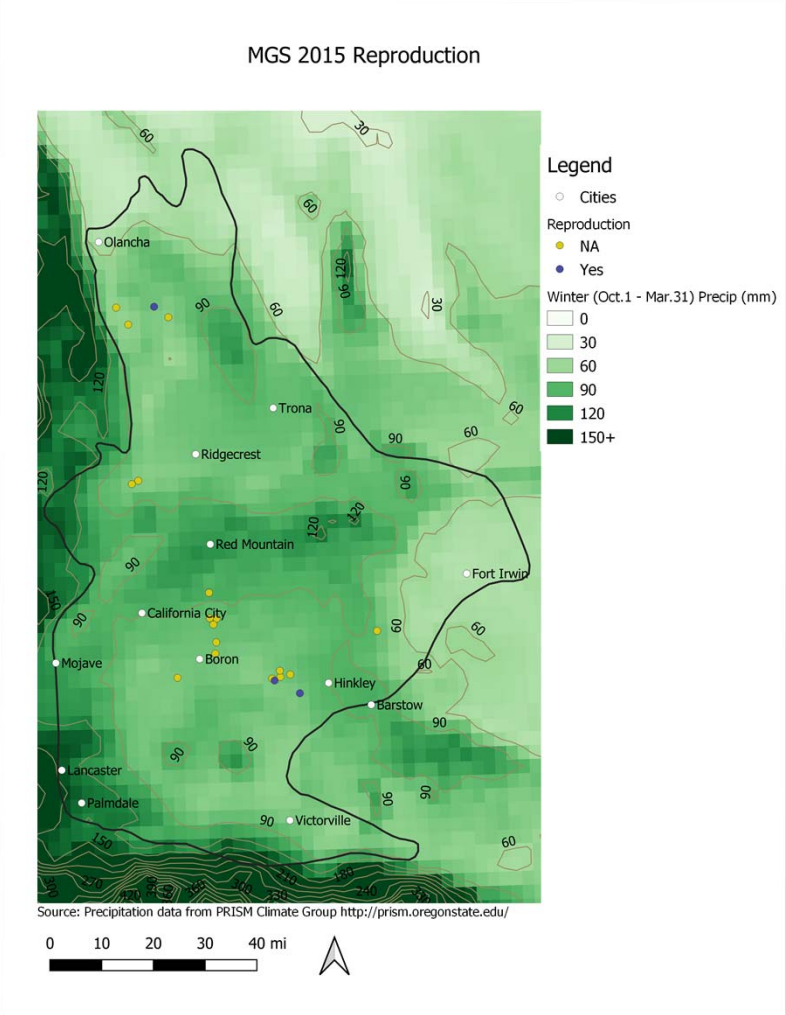
Website

- http://prism.oregonstate.edu/explorer/

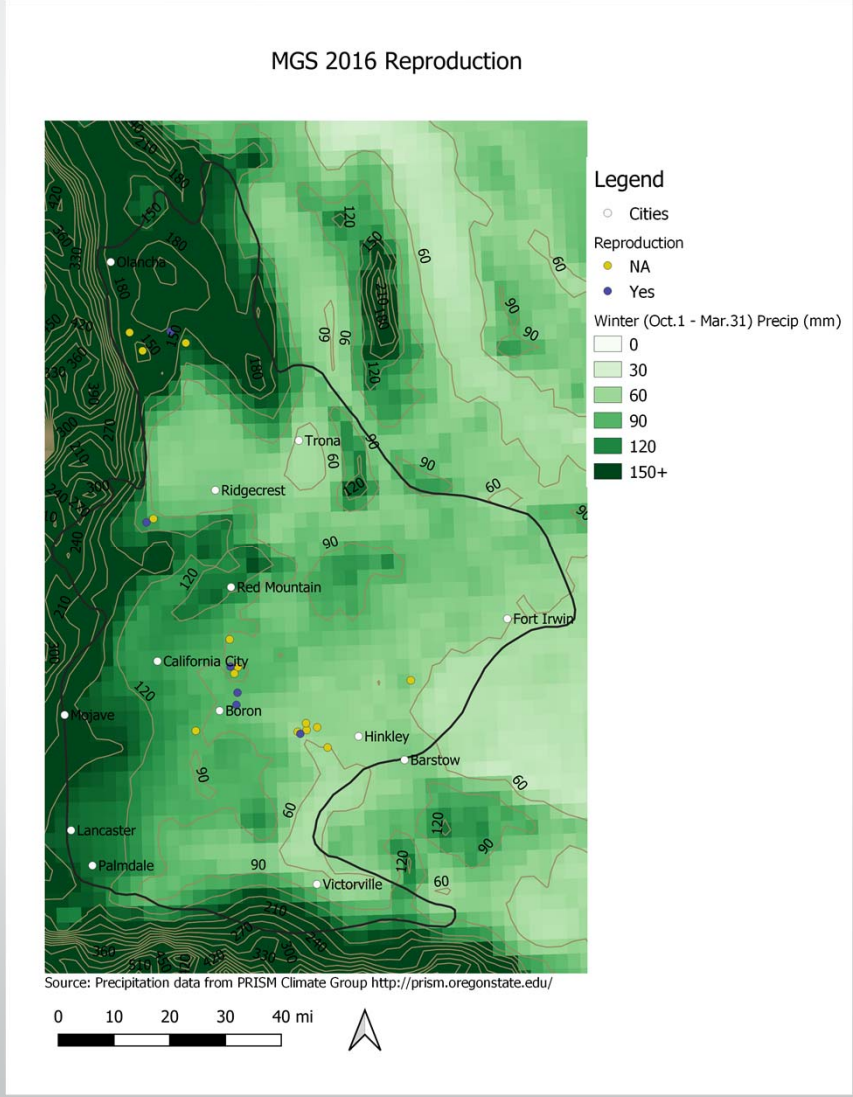
2014


MGS 2014 Reproduction
Legend
Cities
Reproduction
NA
No
Yes
Winter (Oct.1 - Mar.31) Precip (mm)
0
30
60
90
120
150+
Olancha
Trona
Ridgecrest
Red Mountain
Fort Irwin
California City
Mojave
Boron
Hinkley
Barstow
Lancaster
Palmdale
Victorville
Source: Precipitation data from PRISM Climate Group http://prism.oregonstate.edu/
0 10 20 30 40 mi

2015


MGS 2015 Reproduction
Legend
Cities
Reproduction
NA
Yes
Winter (Oct.1 - Mar.31) Precip (mm)
0
30
60
90
120
150+
Olancha
Trona
Ridgecrest
Red Mountain
Fort Irwin
California City
Mojave
Boron
Hinkley
Barstow
Lancaster
Palmdale
Victorville
Source: Precipitation data from PRISM Climate Group http://prism.oregonstate.edu/
0 10 20 30 40 mi

2016


MGS 2016 Reproduction
Legend
Cities
Reproduction
NA
Yes
Winter (Oct.1 - Mar.31) Precip (mm)
0
30
60
90
120
150+
Olancha
Trona
Ridgecrest
Red Mountain
Fort Irwin
California City
Mojave
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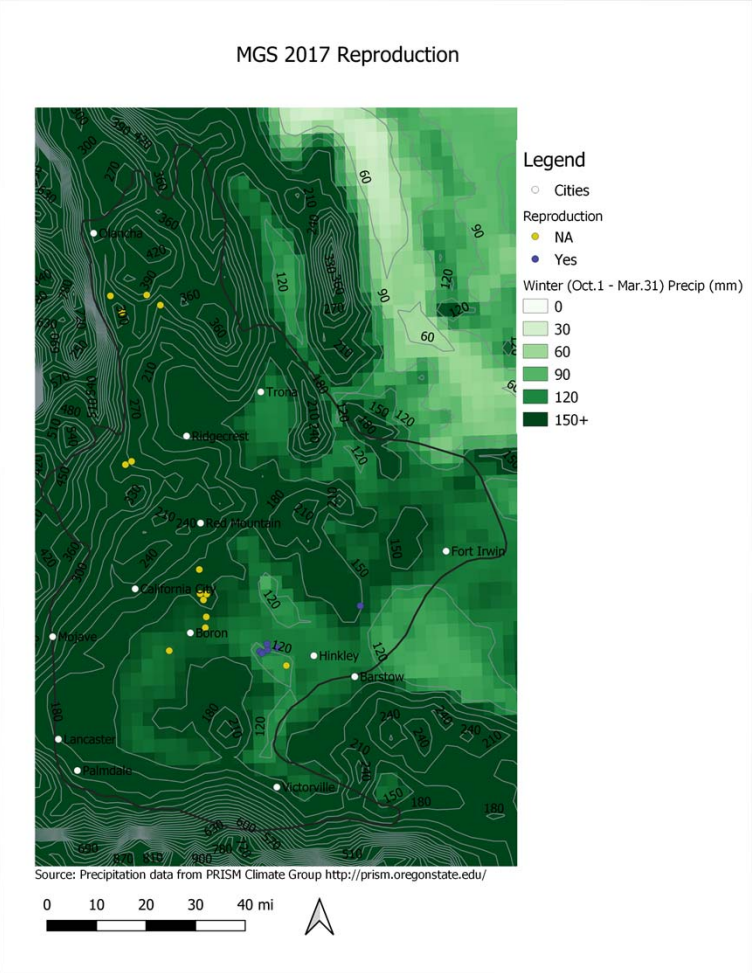
2017


MGS 2017 Reproduction
Legend
Cities
Reproduction
NA
Yes
Winter (Oct.1 - Mar.31) Precip (mm)
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