

# ***Collinsia parviflora***

Hugh Kingston



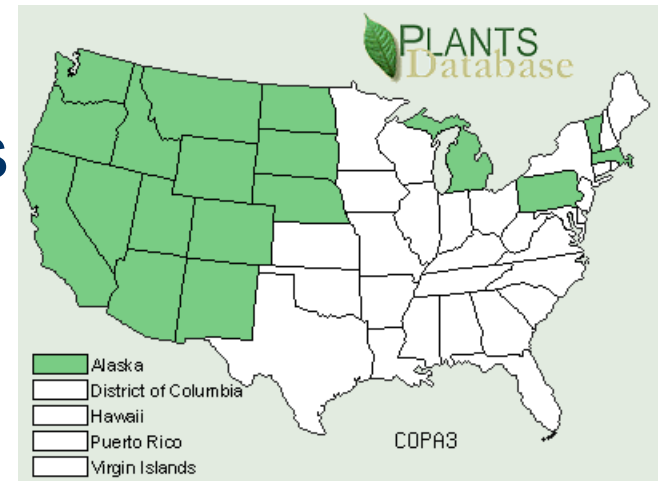
# Taxonomy

- *Collinsia parviflora*
- Small-flowered blue-eyed Mary, Maiden blue-eyed, Littleflower Collinsia
- Scrophulariaceae
  - Plantaginaceae
  - Veronicaceae



# Geographic Distribution

- Western United States and Canada
- From British Columbia south to California, east to Colorado and Ontario, also a few Eastern states
- Altitudes of 800-3500 meters



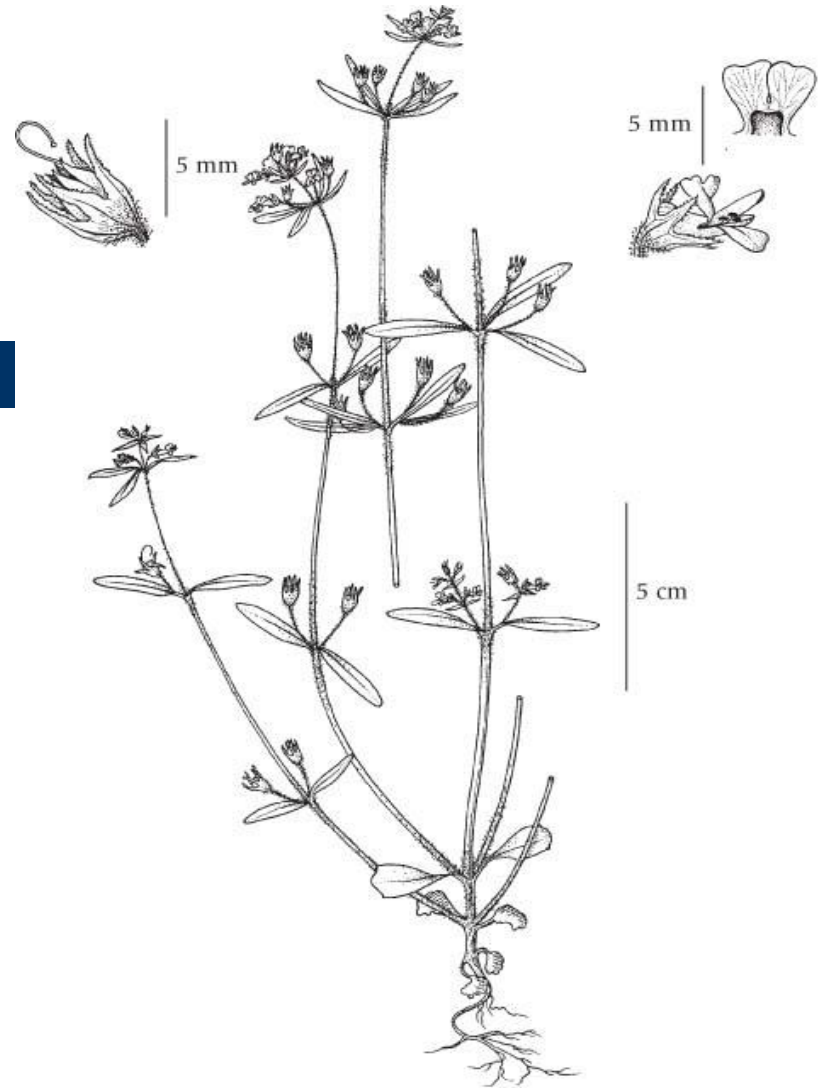
# Native Habitat

- Open, grassy slopes
- Rock outcrops
- Shady areas
- Moist in spring
- Low-middle elevations



# Plant Habit

- Small, widely branching annual
- Opposite, linear-lanceolate leaves
- Smooth to slightly hairy
- Stems/foilage may have hints of purple
- Can mound to 6"



*Collinsia parviflora*

# Flowering

- *Parviflora*= small flower
- 4-8 mm, two-lipped flowers
- Upper lip 2-lobed, white
- Lower lip 3-lobed, generally bluish
- Spring flowering
- 2-4 seeds/flower





# Crop Ideotype

- Accent plant for use in small scale plantings
- Shady, rocky, and container plantings



# Market Niche

- Sales around mid May for sale as bedding/container plant
- Could likely be forced year-round, but little potential for use as a potted plant
- Product not well-known to gardeners

Will have to compete with *C. heterophylla*



# *Collinsia heterophylla*

- Chinese Houses
- Larger plant with more  
Flower power
  - Not a big player in the  
flower industry



# Cultural Requirements

- USDA Zone 4
- Low heat/drought tolerance
- ~70° F days, cool nights
- Supplemental lighting not required
- Moderate nutrition~ 50-100 ppm N
- No major diseases

# Production Schedule-from seed

- Stage 1: 7-14 days, 70-72° F, High moisture
- Stage 2: 10-14 days, 68- 70° F days
- Stage 3: 10-14 days, 66-68° F days, Low fertilizer rates
- Stage 4: 7-10 days, 66-68° F days, continue fertilizer rates
- PGR use may be recommended to reduce legginess

# Crop improvement

- Larger flowers
- More compact habit
- Improved foliage- More purplish
- Can be hybridized with *C. heterophylla*

# Resources

- E-Flora BC  
<http://linnet.geog.ubc.ca/Atlas/Atlas.aspx?sciname=Collinsia%20parviflora>
- Peck, M.E., 1961, *A Manual of the Higher Plants of Oregon*, 2<sup>nd</sup> ed., Oregon State University Press, Corvallis
- UC/JEPS Jepson Treatment Manual for *Collinsia parviflora*  
[http://ucjeps.berkeley.edu/cgi-bin/get\\_JM\\_treatment.pl?7177,7269,7283](http://ucjeps.berkeley.edu/cgi-bin/get_JM_treatment.pl?7177,7269,7283)
- UC/JEPS Jepson treatment Manual for *Collinsia heterophylla*  
[http://ucjeps.berkeley.edu/cgi-bin/get\\_JM\\_treatment.pl?7177,7269,7279](http://ucjeps.berkeley.edu/cgi-bin/get_JM_treatment.pl?7177,7269,7279)
- USDA Natural Resources Conservation Service  
<http://plants.usda.gov/java/profile?symbol=COPA3>
- USDA Germplasm Resources Information Network <http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?316882>

