

Eucrypta Chrysanthemifolia

Spotted Hideseed



Presented by Beth Lande

Finding “Hideseeds” Hiding Place

A Taxonomical Nightmare!

Hydrophyllaceae – *Ellisia Chrysanthemifolia*

1789 – Jussieu does away with Hydrophyllaceae

Ellisia is placed in family Boraginaceae

Early 1800s – a time of great botanical debate

Plants were classified phenotypically

Began to define plants reproductively

1875 – Asa Gray moves *Ellisia* back to Hydrophyllaceae

1940 – Constance retires the species from *Ellisia*

come out come out – where ever you are!!!

Synonyms:

Ellisia chrysanthemifolia and Eucrypta foliosa

Common Names: Hideseed? Spotted Hideseed?

Eucrypta: “Well Hidden”

How Ironic!

Spots or Not



Spotted Hideseed
Eucrypta chrysanthemifolia
var. bipinnatifida



Hideseed
Eucrypta chrysanthemifolia
var. chrysanthemifolia

Oh! There You Are!!



[CONTAMINATED WITH OTHER SPECIES]



HYDROPHYLLACEAE
Eucrypta chrysanthemifolia
(SPOTTED HISEED)

o Eight Seeds per Capsule

[CLEANED SEEDS:
WRINKLED FORM]

Sticky and Stinky?



Some say lemony – Some say NOT!!

**Bloom in Early Spring – Bloom in Late Spring
No Spatial or Temporal Self-Incompatibility**

The Ever Elusive *Eucrypta chrysanthemifolia*

A Polyploid -- That figures!!

Chromosome Number: 10 or 20 in either variety

No relationship between genetic karyotype and phenotypic traits – YET!

Where Have You Been *Eucrypta chrysanthemifolia*?!

Hanging out in the Baja Man!!

California Floristic Province (CFP) – Conservation International

150,804 km² centered around the latitudinal coordinates of 27.74°N and 113.6°W

Area most famous for giant sequoia and the California Redwood Forest

Area Qualified for Biodiversity Hotspot!! Only 33 other places in the World

Endemic species – found nowhere else on Earth – includes *Eucrypta*!



Well at Least I'm **NOT INVASIVE!!**
I'm a Rare Specimen!!

Hey Look!! I found a Penny!

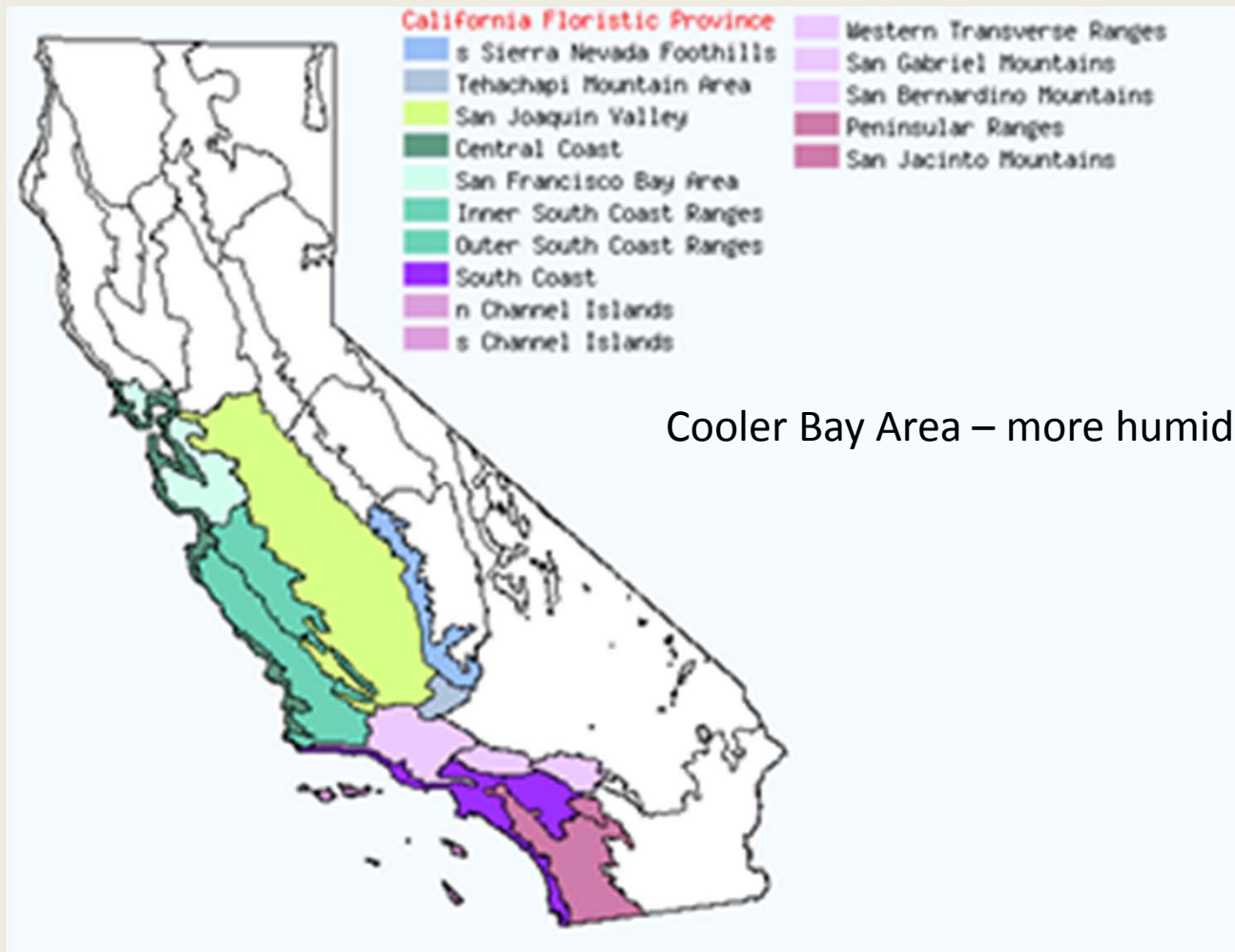


So Hows the Weather *Eucrypta*?

- 70% of California and extends into Southwestern Oregon
- Includes a small part of Western Nevada and Northern Baja California
- The north border of the is the Rocky Mountains Foothills
- E. chrysanthemifolia* has been seen near Tijuana Mexico – HA!!



Hanging Out At the Beach



Distribution of variety *chrysanthemifolia* across coastal bioregions.

And Chillin' in the Mountains!!



Anywhere from 0 to 2300 m altitude

East of the Range is the Sonora Desert – warmer, dryer climate!

Niche Markets?

- It has attractive, light, foliage and the spots make *E. chrysanthemifolia* unique!
- Cool as a house plant
- Foliage for bouquets - weddings?
 - Heavier greenery than baby's breath
 - More floral appeal
- Christmas?
- Shade - Higher Zone Back garden

Native Restoration in SW - Pollinators



Breeding Improvements

More Flower Power?

- might take away unique
- small flowering habit and spotted leaves - but maybe more flowers

Investigate Self- incompatibility issues before production

- Can test with a few plants for ability to self or cross - genetic SI?
- Inbreeding Depression?
- Test for the necessity of insect vectors for pollination?

Wanted to Plant the Rest of My Seeds I Have Left

But....Guess What???

I CAN'T FIND THEM!!!!

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