



**The systematic investigation of**  
***Cypripedium***

*Cypripedium guttatum* and  
*Cypripedium passerinum*

# Taxonomy

- Plantae- kingdom
  - Tracheobionta – Subkingdom
    - Magnoliophyta- Division
      - Liliopsida- Class
        - » Liliidae- Subclass
          - » Orchidales- Order
            - » Orchidaceae- Family
              - *guttatum*- genus
              - *passerinum*- genus

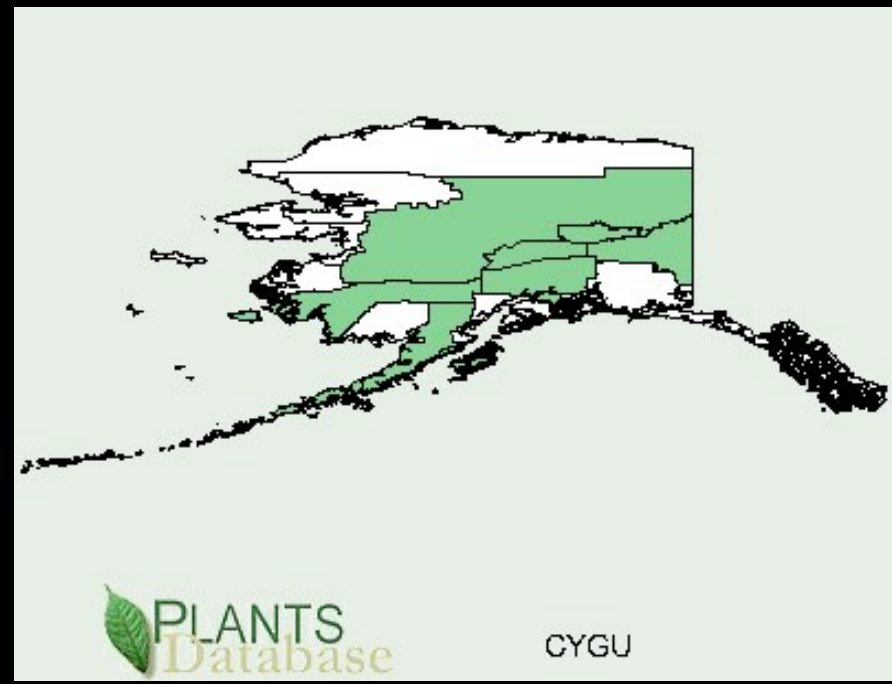
# Orchidaceae

- **Showy inflorescence**
- **Racemose**
- **Zygomorphic symmetry**
- **Spur and labellum**
- **Inferior Ovary**
- **Fruit= Dry Capsule**
- **Mycorrhizal bacteria**



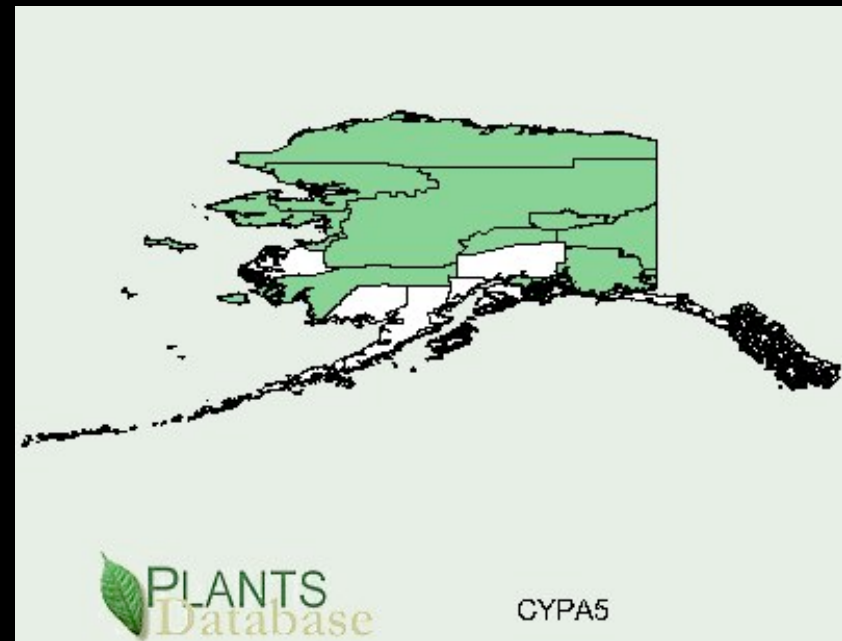
# *Cypripedium guttatum*

- Common Name
  - Spotted lady's slipper



# *Cypripedium passerinum*

- Common Name
  - Sparrow's-egg lady's slipper
  - White lady's slipper



## *Passerinum vs. guttatum*

- 3-5 ovate-lanceolate leaves
- White petals with few red blotches
- Leaves pubescent
- 2 elliptical broad basal leaves
- White petals with many to few purple blotches
- Leaves mostly glabrous



# Passerinum vs. guttatum

Three to five ovate-lanceolate leaves

Two elliptical broad leaves



# *Passerinum vs. guttatum*

**White Petals with few red blotches**



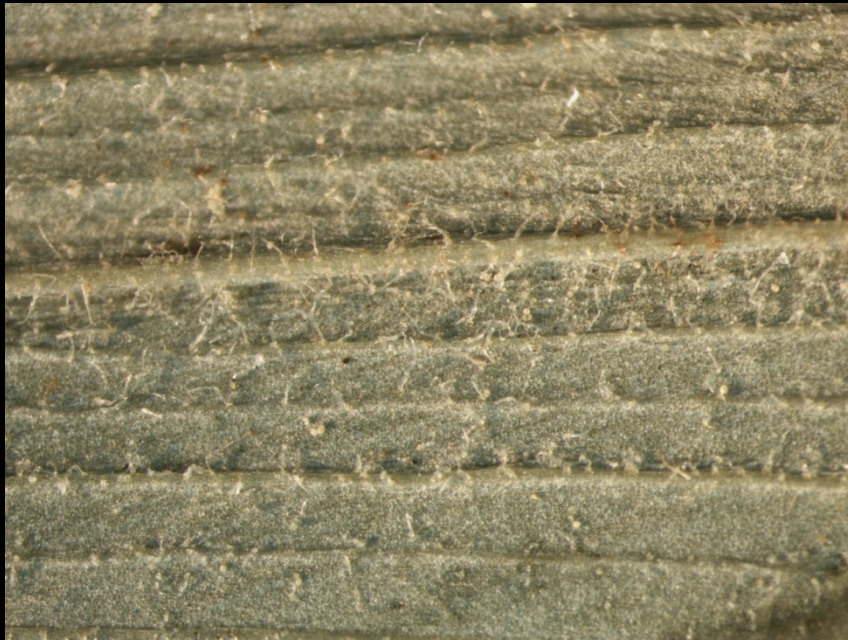
**White petals with many purple blotches**





# *Passerinum vs. guttatum*

**Leaves pubescent**



**Leaves mostly glabrous**



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