THE XERCES SOCIETY FOR INVERTEBRATE CONSERVATION

Flow Chart for Bumble Bee ID

- Other
- Bee
  - Other Bee
    - Separate ID workshop – Bugguide.net
  - Bumble Bee
    - Male
      - *Psithyrus*

      - Non-*Psithyrus*

    - Female
      - *Psithyrus*

      - Non-*Psithyrus*

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Bumble bees of the PNW

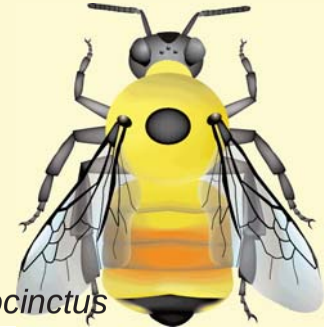
The Red-Tailed Group

Bombus mixtus

Bombus melanopygus

Bombus centralis

Bombus huntii



Bombus rufocinctus

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Bumble bees of the PNW

The Striped Group

Bombus bifarius

Bombus fervidus
inc. *B. californicus*

Bombus vosnesenskii

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Bumble bees of the PNW

The Black-Tailed Group

Bombus vagans

Bombus griseocollis

Bombus nevadensis

Bombus flavifrons

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Bumble bees of the PNW

The Whites

Bombus occidentalis

Bombus appositus

Bombus franklini

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Bumble bees of the PNW

Difficult species groups: Yellow faced bumble bees

B. caliginosus

- Yellow on T4
- Yellow on S3 and S4
- Slightly long cheek
- Hair short and uneven

B. vandykei

- Yellow on T3
- Yellow on S2-5
- Slightly long cheek
- Hair medium and uneven

B. vosnesenskii

- Yellow on T4
- All black belly
- Square cheek
- Hair short and even

Species illustrations by Evans and Hatfield

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Bumble bees of the PNW

Difficult species groups: The Cuckoo Bees

B. flavidus

- No Pollen Basket!
- Black Face
- Yellow on T4
- Hair long and uneven
- Be careful with *B. fervidus*

B. insularis

- No Pollen Basket!
- Yellow Face
- Yellow on T4
- Be careful with yellow-faced group

B. suckleyi

- No Pollen Basket!
- Black Face
- Yellow on scutellum
- Yellow on T4
- Hair short and even
- Be careful with *B. bifarius*

Species illustrations by Evans and Hatfield