



How & Where To Identify Karners

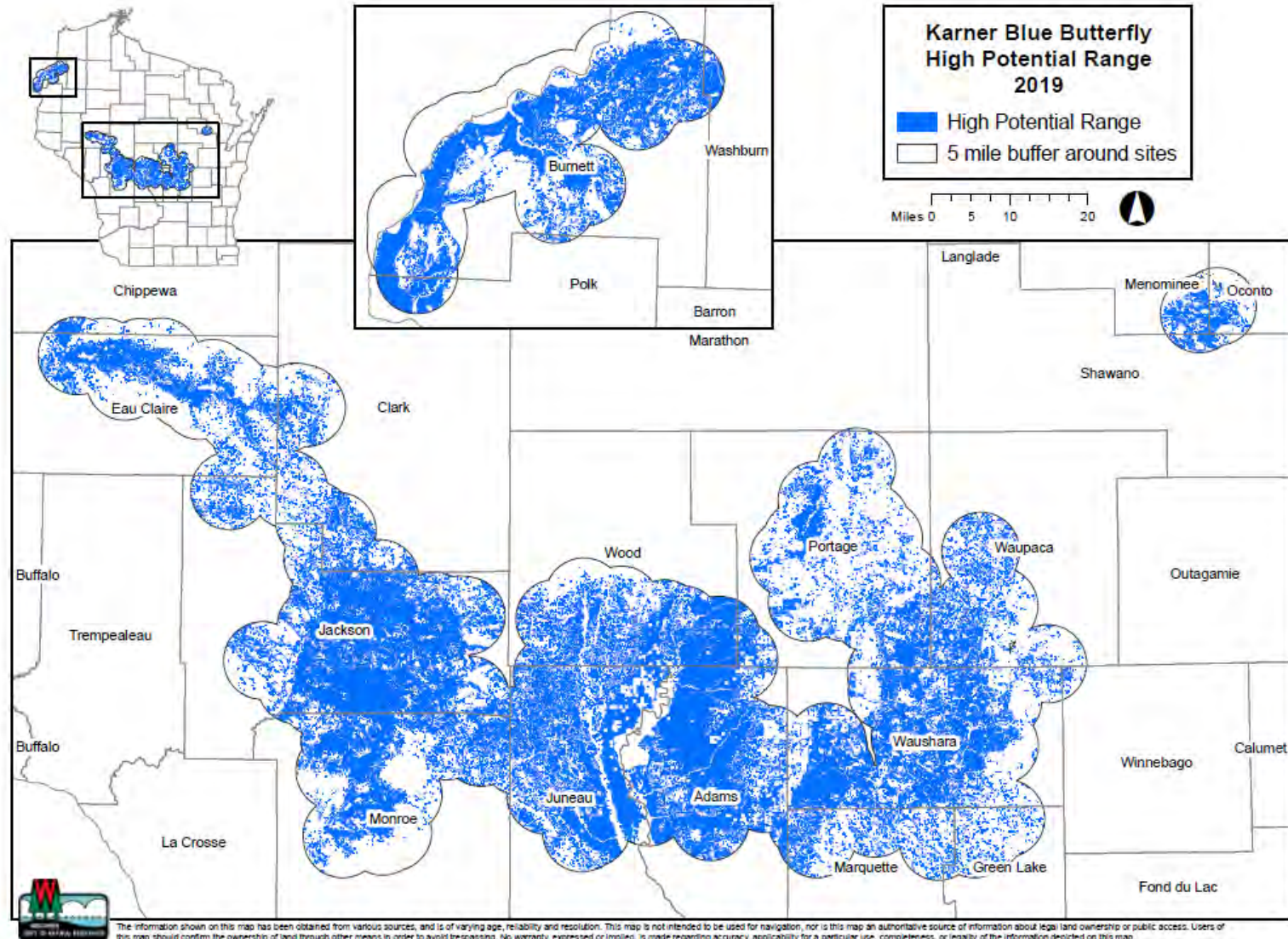
Chelsea Weinzinger

WDNR Karner Blue Butterfly Recovery Coordinator

June 2020



Wisconsin High Potential Range (HPR)



Habitat



- Oak Savanna
- Jack pine barrens
- Brush prairie
- Dry prairie
- ROW corridors

Habitat Importance

- Globally imperiled
- Support >50 SGCN (species of greatest conservation need)





Host Plant

- Wild lupine (*Lupinus perennis*)
- Pea family
- Sandy soils
- Blooms May-June





How to Identify Lupine

- 7-11 leaflets
- Grows in clumps
- Purple flower



Wrong Lupine

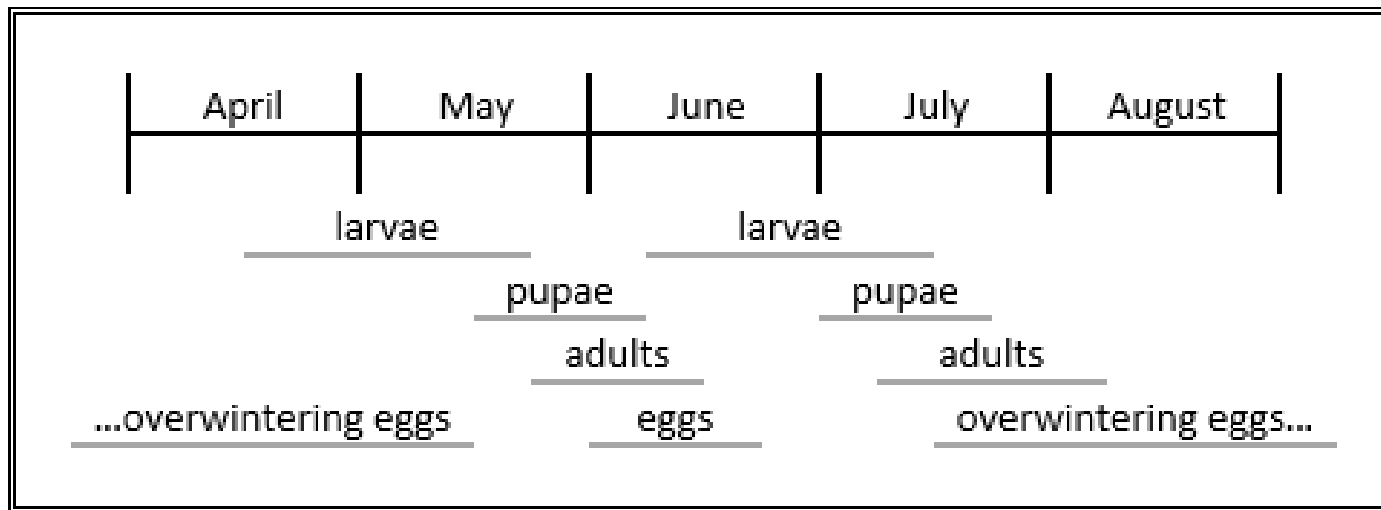
- Russell Lupine (*Lupinus polyphyllus*)
- Leaves more pointed
- More colors
- Bigger

Karner Biology



- 2 flight periods begin:
 - Late May/Early June
 - Early/Mid July
- Ant mutualism
 - Tend larvae

Karner Phenology



Evidence of KBB Feeding



KBB caterpillar
feeding on
lupine



Windowpane effect occurs from KBB feeding



Identifying Karner Butterflies

- MUST see underside to confirm ID
- Band of orange crescents on underside of both forewings AND hindwings



Identifying Gender

Male



Female



Lookalikes

Silvery blue



No orange crescents below

Lookalikes

Eastern tailed blue



Tails
2 orange spots



Lookalikes

Azure



No orange crescents below

Quiz: KBB?



Quiz: KBB?

A: Yes



Quiz: KBB?



Hess

Quiz: KBB?

A: No



Quiz: KBB?



Quiz: KBB?

Left to right

A: No, No, Yes



Quiz: KBB?



Quiz: KBB?

A: Not sure
(need to see underside)



Quiz: KBB?



Quiz: KBB?

A: No



Quiz: KBB?



Quiz: KBB?

Top, right, bottom

A: Yes, Yes, Yes



Quiz: KBB?



Quiz: KBB?

Top left clockwise

A: No, Don't know, Don't know, Yes, Yes



Quiz: KBB?



Quiz: KBB?

Left, right

A: Don't know, Yes



Quiz: KBB?



Quiz: KBB?

A: No



Quiz: KBB?



Quiz: KBB?

A: Yes



Quiz: KBB?



Quiz: KBB?

A: No



Photographing Karner's Tips

- **Must** photograph underside of wings
- Wait until KBB lands
- Watch out for your shadow

