## Importance of Providing Additional Information on Priority Species in WBBA II



Documenting Priority Birds through Atlas Priority Species Forms and eBird Comments

**Richard Staffen - WDNR** 

# Objectives:

- What are the Priority Species
  - When and How to Add these Data
- Why do we need Additional Documentation
  - What is the Natural Heritage Inventory
  - Why do we need Precise Location Data
- Importance of Habitat Data
- Answer Your Questions About the Process???

### Wisconsin Breeding Bird Atlas II Quick Reference

## REQUIRED INFO FOR ALL SURVEYS ATLAS BLOCK NAME

DATE START/END TIME ATLAS BLOCK NAME UCATION WITHIN BLOCK
TRAVEL EFFORT BETWEEN HOME AND BLOCK (MILES, TIME)

Separate property-specific checklists within a block are strongly encouraged.

### INFO FOR ALL OBSERVATIONS

SPECIES | COUNT | HIGHEST BREEDING CODE | NOTE(S)

## BREEDING CODES

OBSERVED Observed (enter in eBird, no code required)

F Flyover

POSSIBLE

- H In appropriate <u>H</u>abitat
- S <u>S</u>inging male (excluding migrants) PROBABLE
- S7 Singing male heard 7+ days apart
- M <u>Multiple (7+) singing males</u>
- P Pair in suitable habitat
- T <u>T</u>erritory defense
- C Courtship display/copulation
- N Visiting probable Nest site
- A Agitated behavior
- B Woodpecker/wren nest <u>Building</u>/cavity excavation CONFIRMED
- PE Physiological Evidence/brood patch
- CN Carrying Nest material
- NB Nest Building (except woodpeckers & wrens)
- DD Distraction Display
- UN Used Nest (use with caution)
- ON Occupied Nest
- FL Recently FLedged young
- CF <u>Carrying Food</u>
- FY Feeding Young
- FS Carrying Fecal Sac
- NE Nest w/Eggs
- NY Nest w/Young

4/30/2015

#### Wisconsin Breeding Bird Atlas II Quick Reference

			HABIT	AT CODE	S			
F:	FOREST	Í	O: OPEN		S: SHRUB/SAVANNA			
FU: U	Jpland forest	0	OU: Upland open		SU: Upland shrub		Lowland shrub	
FUH: Upland hardwood			OUA: Agriculture		SUH: Upland hardwood		land hardwood	
FUHa	aspen	OUAa	alfalfa	SUHC	cutover/burn	SLHC	cutover/burn	
FUHm	maple	OUAg	grass/mix hay	SUHh	hedge	SLHh	hedge	
FUHo	oak	OUAc	cultivated	SUHn	natural	SLHn	natural	
FUHp	plantation	OUAp	pasture	SUHo	oldfield	SLHo	oldfield	
FUC: Uplan		OUAr	row crops	SUHp	plantation		land conifer	
FUCh	hemlock	OUAs	small grains		and conifer	SLCc	cutover/burn	
FUCp	pine	OUAx	misc. ag.	SUCC	cutover/burn	SLCh	hedge	
FUCs FUCs(p)	spruce-fir	OUN: Na		SUCh	hedge natural	SLCn SLCo	natural oldfield	
FUCs(p) spruce plantn. FUM: Upland mixed			OUU: Uncropped OL: Lowland open		oldfield		vland mixed	
FUM: Uplan	hemlock-har			SUCo	plantation	SLM: LOV	cutover/burn	
FUMp	pine-hardwo		alfalfa		land mixed	SLMh	hedge	
FUMs	spruce-fir-hw		erass/mix hav	SUMC	cutover/burn	SLMn	natural	
FUMs(p)	spruce pint/h		cultivated	SUMh	hedge	SLMo	oldfield	
	owland forest	OLAp	pasture	SUMn	natural			
	nd hardwood	OLAr	row crops	SUMo	oldfield			
FLHn	northern	OLAS	small grains	SUMp	plantation			
FLHs	southern	OLAX	misc. ag.		U: URBA	N/RURA	L	
FLC: Lowlan	d conifer	OLN: Na	tive			Urban		
FLCc	cedar	OLNm	meadow	UUO	open space	UUC	commerc./ind.	
FLCs	sprce/tamara	ack OLNb	bog	UUX	misc. urban	UUR	residential	
FLM: Lowla	nd mixed	OLU: Un	cropped	U	5: Small Town		UR: Rural	
	cedar							
FLMc	Ceuar	OLW: W	ater/wetland	USC	commerc./ind.	URC	commerc./ind.	
FLMc FLMs	spruce	OLWm	marsh	USR	commerc./ind. residential	URR	commerc./ind. residential	
		OLWm OLWI	marsh lake	USR USO	residential open space	URR URO	residential open space	
		OLWm	marsh	USR	residential	URR	residential	
		OLWm OLWI	marsh lake	USR USO	residential open space	URR URO	residential open space	
FLMs	spruce	OLWM OLWI OLWr	marsh lake	USR USO	residential open space	URR URO	residential open space	
FLMs	spruce	oLWm oLWI OLWr ditional In	marsh lake river/stream	USR USO	residential open space misc. sm. town	URR URO URX	residential open space	
FLMs Decies Rec adian Flycar	spruce quiring Add	OLWM OLWI OLWr ditional In Connectic	marsh lake river/stream formation ut Warbler <sup>1</sup>	USR USO USX	residential open space misc. sm. town	URR URO URX Snowy	residential open space misc. rural	
FLMs Decies Rec adian Flycat nerican Bitt	spruce	OLWM OLWI OLWr ditional In Connectici Eared Grei	marsh lake river/stream formation ut Warbler <sup>1</sup> be <sup>2</sup>	USR USO USX Least Bitte Loggerhea	residential open space misc. sm. town	URR URO URX Snowy Spruce	residential open space misc. rural r Egret <sup>2</sup> e Grouse <sup>2</sup>	
ecies Rec adian Flycai nerican Bitt nerican Wig	spruce quiring Add ther <sup>2</sup> ern <sup>1,A</sup> geon <sup>2</sup>	ditional In Connectic Eared Gre European	marsh lake river/stream formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup>	Least Bitte Loggerhea Long-eare	residential open space misc. sm. town ern <sup>1</sup> ud Shrike <sup>2</sup> d Owl <sup>2</sup>	URR URO URX Snowy Spruce Swain:	residential open space misc. rural r Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup>	
FLMs Decies Rec adian Flycat nerican Bitt	spruce quiring Add ther <sup>2</sup> ern <sup>1,A</sup> geon <sup>2</sup>	OLWM OLWI OLWr ditional In Connectici Eared Grei	marsh lake river/stream formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup>	Least Bitte Loggerhea Long-eare Nelson's S	residential open space misc. sm. town ern1 id Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup>	URR URO URX Snowy Spruce Swains Tenne	residential open space misc. rural r Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup>	
ecies Rec adian Flycai nerican Bitt nerican Wig	spruce quiring Add ther <sup>2</sup> ern <sup>1,A</sup> geon <sup>2</sup>	ditional In Connectici Eared Grei European Forster's T	marsh lake river/stream formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup>	Least Bitte Loggerhea Long-eare	residential open space misc. sm. town ern1 id Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup>	URR URO URX Snowy Spruce Swains Tenne	residential open space misc. rural r Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup>	
PLMS Pecies Rec adian Flycai nerican Bitt nerican Wig y-breasted II's Vireo <sup>2</sup>	spruce quiring Add ther <sup>2</sup> ern <sup>1,A</sup> geon <sup>2</sup>	ditional In Connectic Eared Grei European Forster's T Golden-we	marsh lake river/stream formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup>	USR USO USX Least Bitte Loggerhea Long-eare Nelson's S Northern I	residential open space misc. sm. town ern <sup>1</sup> dd Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup>	URR URO URX Snowy Spruce Swain: Tenne Uplane	residential open space misc. rural r Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup>	
PLMS Pecies Rec adian Flycai nerican Bitt nerican Wig y-breasted II's Vireo <sup>2</sup> ack Tern <sup>2</sup>	ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> warbler <sup>2</sup>	ditional In OLWr OLWr Connectic Eared Grei European Forster's T Golden-wg G. Black-bi	marsh lake formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup>	Least Bitte Loggerhea Long-eare Nelson's S Northern I Northern 0	residential open space misc. sm. town erm <sup>1</sup> id Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> <b>Goshawk<sup>1</sup></b>	Snowy Spruce Swains Tenne Uplane Weste	residential open space misc. rural c Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> rn Meadowlark	
PELMS Pecies Rec adian Flycat nerican Bitto nerican Wig y-breasted Il's Vireo <sup>2</sup> ack Tern <sup>2</sup> ack-cr. Nigh	spruce quiring Add ther <sup>2</sup> econ <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup>	ditional In OLWr OLWr Connectici Eared Grei European Forster's T Golden-wg G. Black-bi Great Egre	marsh lake formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup>	Least Bitte Loggerhea Long-eare Nelson's S Northern I Northern I	residential open space misc. sm. town erm <sup>1</sup> id Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> Soshawk <sup>1</sup> Pintail <sup>2</sup>	Snowy Spruce Swain: Tenne Uplane Weste	residential open space misc.rural regret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> rn Meadowlark rn Grebe <sup>2</sup>	
PLMS Pecies Rec adian Flycai nerican Bitt nerican Wig y-breasted II's Vireo <sup>2</sup> ack Tern <sup>2</sup>	spruce quiring Add ther <sup>2</sup> econ <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup>	ditional In OLWr OLWr Connectic Eared Grei European Forster's T Golden-wg G. Black-bi	marsh lake formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup>	Least Bitte Loggerhea Long-eare Nelson's S Northern I Northern O Olive-side	residential open space mic. space mic. sm. town mic. sm. town d Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> 3obwhite <sup>1</sup> 3obawkit <sup>4</sup> "intail <sup>2</sup> d Flycatcher <sup>1</sup>	Snowy Spruce Swain: Tenne Uplane Weste	residential open space misc. rural c Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> rn Meadowlark	
PELMS Pecies Rec adian Flycat nerican Bitto nerican Wig y-breasted Il's Vireo <sup>2</sup> ack Tern <sup>2</sup> ack-cr. Nigh	spruce quiring Add ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> yeon <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>2-B</sup>	ditional In OLWr OLWr Connectici Eared Grei European Forster's T Golden-wg G. Black-bi Great Egre	march lake river/stream formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> y. Warbler <sup>1</sup> acked Gull <sup>2</sup> tt <sup>2</sup>	Least Bitte Loggerhea Long-eare Nelson's S Northern I Northern I	residential open space mic. space mic. sm. town mic. sm. town d Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> 3obwhite <sup>1</sup> 3obawkit <sup>4</sup> "intail <sup>2</sup> d Flycatcher <sup>1</sup>	Snowy Spruce Swain: Tenne Uplane Weste Whoo	residential open space misc.rural regret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> rn Meadowlark rn Grebe <sup>2</sup>	
PELMS Pecies Rec adian Flycat nerican Wig y-breasted Il's Vireo <sup>2</sup> ack Tern <sup>2</sup> ack-cr. Nigh ack-necked	spruce quiring Add ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> yeon <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>2-B</sup>	ditional In OLWr ditional In Connectic Eared Grei European Forster's T Golden-wg G. Black-bi Great Egre Great Tit <sup>2</sup> Gr. Pairie-	march lake formation ut Warbler <sup>1</sup> be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup> tt <sup>2</sup> Chicken <sup>2</sup>	Least Bitte Loggerhea Long-eare Nelson's S Northern I Northern I Olive-sider Peregrine	residential open space misc. sim. town misc. sim. town di Shrike <sup>2</sup> di Okl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> Soshawk <sup>1+</sup> Pintail <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> <sup>C</sup>	Snowy Spruce Swain: Tenne Uplane Weste Whooj Wilsor	residential open space misc. rural r Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> d Sandpiper <sup>2</sup> m Meadowlark rn Grebe <sup>2</sup> <b>ping Crane<sup>2</sup>†</b>	
PLMS Pecies Rec adian Flyca: herican Bitt herican Wig y-breasted Il's Vireo <sup>2</sup> ack Tern <sup>2</sup> ack-cr. Nigh ack-necked Freal Chicka fflehead <sup>2</sup>	spruce quiring Ado ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> geon <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>2,B</sup> dee <sup>1</sup>	ditional In OLWF OLWF Connectic Eared Grei European Forster's T Golden-wg G. Black-b: Great Egre Great Tit <sup>2</sup> Gr. Pairie- Henslow's	march lake river/stream dut Warbler <sup>1</sup> os <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup> tt <sup>2</sup> Chicken <sup>2</sup> Sparrow <sup>1</sup>	Least Bitte Loggerhea Long-eare Nelson's S Northern I Olive-side Peregrine Philadelph	residential open space misc. sm. town di Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> <b>3oshawk</b> <sup>1</sup> Pintail <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup>	URR URO URX Snowy Spruce Swain: Tenne Upland Weste Weste Weste Whoo Wilsor Wilsor	residential open space misc.rural c Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> rm Meadowlark rn Grebe <sup>2</sup> <b>ping Crane<sup>2</sup>t</b> <b>y's Phalarope<sup>2</sup></b> y's Warbler <sup>2</sup>	
FLMS Pecies Rec adian Flycai herican Bitt herican Bitt herican herican Bitt herican herica	spruce quiring Add ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> ern <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>2,8</sup> dee <sup>1</sup>	ocwi Ocwi OLWr ditional In Connectic Eared Grei European Forster's T Golden-wi G. Black-bi Great Egre Great Tit <sup>2</sup> Gr. Pairie- Henslow's Hooded W	march lake nver/stream formation ut Warbler <sup>1</sup> oe <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup> t <sup>2</sup> Chicken <sup>2</sup> Sparrow <sup>1</sup> (arbler <sup>1</sup>	USR USO USX Least Bitte Loggerhea Long-eare Nelson's S Northern I Northern I Olive-side Peregrine Philadelph PhilagPlov	residential open space misc. sm. town misc. sm. town ern <sup>5</sup> d GVnl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> Soshawk <sup>1</sup> + Pintal <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> iai Vireo <sup>2</sup> ver <sup>2</sup> +	Snowy Spruce Swain: Tenne Uplant Weste Whooj Wilsor Wilsor Worm	residential open space misc. rural Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> run Meadowlark rrn Meadowlark rrn Meadowlark rrn Meadowlark rs Pialarope <sup>2</sup> ping Crane <sup>2</sup> t 1's Phalarope <sup>2</sup> -eating Warbler <sup>2</sup>	
PLMS Pecies Rec adian Flyca: herican Bitt herican Wig y-breasted Il's Vireo <sup>2</sup> ack Tern <sup>2</sup> ack-cr. Nigh ack-necked Freal Chicka fflehead <sup>2</sup>	spruce quiring Add ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> ern <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>2,8</sup> dee <sup>1</sup>	ditional In OLWF OLWF Connectic Eared Grei European Forster's T Golden-wg G. Black-b: Great Egre Great Tit <sup>2</sup> Gr. Pairie- Henslow's	march lake nver/stream formation ut Warbler <sup>1</sup> oe <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup> t <sup>2</sup> Chicken <sup>2</sup> Sparrow <sup>1</sup> (arbler <sup>1</sup>	Least Bitte Loggerhea Long-eare Nelson's S Northern I Olive-side Peregrine Philadelph	residential open space misc. sm. town ern <sup>5</sup> di Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> Soshawk <sup>1</sup> + Pintal <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> iai Vireo <sup>2</sup> ver <sup>2</sup> +	URR URO URX Snowy Spruce Swain: Tenne Upland Weste Weste Weste Whoo Wilsor Wilsor	residential open space misc. rural Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> run Meadowlark rrn Meadowlark rrn Meadowlark rrn Meadowlark rs Pialarope <sup>2</sup> ping Crane <sup>2</sup> t 1's Phalarope <sup>2</sup> -eating Warbler <sup>2</sup>	
FLMS Pecies Rec adian Flycai herican Bitt herican Bitt herican herican Bitt herican herica	spruce quiring Add ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> ern <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>2,8</sup> dee <sup>1</sup>	ocwi Ocwi OLWr ditional In Connectic Eared Grei European Forster's T Golden-wi G. Black-bi Great Egre Great Tit <sup>2</sup> Gr. Pairie- Henslow's Hooded W	march late river/stream formation formation be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> ;	USR USO USX Least Bitte Loggerhea Long-eare Nelson's S Northern I Northern I Olive-side Peregrine Philadelph PhilagPlov	residential open space mide. sim. town mide. sim. town the space sim. solowhite! Soshawk!+ Pintail? Falcon <sup>2</sup> lia Virce <sup>2</sup> rer <sup>2</sup> trive <sup>2</sup> rer <sup>2</sup> trive <sup>2</sup>	Snowy Spruce Swain: Tenne Upland Weste Whooj Wilsor Worm Yellow	residential open space misc. rural Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> run Meadowlark rrn Meadowlark rrn Meadowlark rrn Meadowlark rs Pialarope <sup>2</sup> ping Crane <sup>2</sup> t 1's Phalarope <sup>2</sup> -eating Warbler <sup>2</sup>	
PLMS Pecies Rec adian Flycai herican Wig y-breasted Il's Vireo <sup>2</sup> ack-recked real Chickai fflehead <sup>2</sup> rolina Wrer spian Tern <sup>2</sup>	spruce uiring Ada ther <sup>2</sup> tern <sup>4</sup> teon <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>28</sup> dee <sup>1</sup> h <sup>2</sup>	otwm owi OUWr ditional In Connectic Eared Grei European Forster's T Golden-wg G. Black-bi Great Egre Great Tit <sup>2</sup> Great Tit <sup>2</sup> Great Tit <sup>2</sup> Great Karo Hondod W Horned G Kentucky N	march late river/stream formation formation be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> ;	Least Bitte Loggerhea Long-eare Northern I Northern O Northern O Northern P Pipag Plox Purple Ma Red-necke	residential open space misc. sm. town misc. sm. town d Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Boshawk <sup>1+</sup> Pintal <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> ia Vireo <sup>2</sup> er <sup>2+</sup> trtin <sup>40</sup> d Grebe <sup>2</sup>	Snowy Spruce Swain: Tenne Upland Weste Whooj Wilsor Wilsor Worm Yellow Yellow	residential open space misc.rural Egret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush' ssee Warbler <sup>2</sup> rn Meadowlark rn Grebe <sup>2</sup> ping Crane <sup>2+</sup> t's Warbler <sup>2</sup> -eating Warbler -breasted Chat	
FLMS Pecies Rec adian Flycai herican Bitti herican Bitti herican Wig y-breasted II's Vireo <sup>2</sup> sck-Tern <sup>2</sup> sck-Tern <sup>2</sup> sck-Cr. Nigh sck-necked real Chickai rolina Wrer spian Tern <sup>2</sup> tille Egret <sup>2</sup> rulean War	uiring Adu ther <sup>2</sup> geon <sup>2</sup> Warbler <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> Stilt <sup>2,8</sup> dee <sup>1</sup> y <sup>2</sup> bler <sup>2</sup>	ditional In OUW Connectic Eared Grei European Forster's T Golden-wg G. Black-b Great Egre Great Tit <sup>2</sup> Gr. Pairie- Henslow's Hooded W Horned G Kentucky <sup>1</sup> King Rai <sup>1</sup>	march lake nver/stream formation ut Warbler <sup>1</sup> oe <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> g. Warbler <sup>1</sup> acked Gull <sup>2</sup> tt <sup>2</sup> Chicken <sup>2</sup> Sparrow <sup>1</sup> 'arbler <sup>1</sup> ebe <sup>2</sup> Narbler <sup>2</sup>	Least Bitte Loggerhea Long-eare Northern I Northern O Northern O Northern O Northern O Piladelph Piping Plo Purple Ma Red-neckul	residential open space misc. sm. town misc. sm. town tern1 d Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> Joshawk <sup>1</sup> Pintail <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> d Grebe <sup>2</sup> de Grebe <sup>2</sup>	URR URA URX Snowy Spruce Swain: Tenne Upland Weste Weste Whooj Wilsor Wilsor Wolsor Worm Yellow Yelcr	residential open space misc.rural regret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> d Sandpiper <sup>2</sup> d Sandpiper <sup>2</sup> shalarope <sup>2</sup> t's Phalarope <sup>2</sup> t's Phalarope <sup>2</sup> -eating Warbler <sup>2</sup> -eating Warbler <sup>2</sup> -breasted Chat Night-Heron <sup>3</sup>	
FLMS Peccies Reco adian Flycain herican Bitt herican Bitt herican Wig y-breasted Il's Vireo <sup>2</sup> ack-necked real Chicka real Chicka real Chicka respian Tern <sup>2</sup> title Egret <sup>2</sup> rulean War mom Golo	spruce quiring Add ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> veon <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> stilts <sup>5</sup> dee <sup>1</sup> h <sup>2</sup> bler <sup>2</sup> leneye <sup>2</sup>	ditional In Connectic Connectic Eared Grei European Forster's T Golden-wi Great Tit <sup>2</sup> Gr. Pairie- Henslow's Hooded W Hoored Gr Kentucky I King Rail <sup>3</sup>	march late river/stream formation be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> s. Warbler <sup>1</sup> acked Gull <sup>2</sup> tt <sup>2</sup> Chicken <sup>2</sup> Sparrow <sup>1</sup> arbler <sup>1</sup> ebe <sup>2</sup> Warbler <sup>2</sup> Warbler <sup>2</sup>	Least Bitte Loggenea Loggenea Northern I Northern I Northern I Northern I Northern I Peregrine Philadelph Piping Plov Purple Ma Red-shoul Rudy-crow	residential misc. sm. town misc. sm. town ern <sup>1</sup> di Shrike <sup>2</sup> d OWl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> Soshawk <sup>1</sup> + Pintail <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> <sup>C</sup> ia Vireo <sup>2</sup> <b>ver<sup>2</sup></b> + rttin <sup>4D</sup> ed Grebe <sup>2</sup> dered Hawkt <sup>A</sup> rned Kinglet <sup>1</sup>	Snowy Spruce Swain: Tenne Upland Weste Whooj Wilsor Wilsor Worm Yellow Yellow Yelhe	residential open space misc. rural regret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> rn Meadowlark rn Grebe <sup>2</sup> <b>joing Crane<sup>2</sup>1</b> v's Phalarope <sup>2</sup> t's Warbler <sup>2</sup> e-ating Warbler <sup>2</sup> e-ating Warbler <sup>2</sup> Night-Heron <sup>3</sup> saded Blackbird	
FLMS Pecies Rec adian Flycai herican Bitti herican Bitti herican Wig y-breasted II's Vireo <sup>2</sup> sck-Tern <sup>2</sup> sck-Tern <sup>2</sup> sck-Cr. Nigh sck-necked real Chickai rolina Wrer spian Tern <sup>2</sup> tille Egret <sup>2</sup> rulean War	spruce quiring Add ther <sup>2</sup> ern <sup>1</sup> <sup>A</sup> veon <sup>2</sup> Warbler <sup>2</sup> t-Heron <sup>1</sup> stilts <sup>5</sup> dee <sup>1</sup> h <sup>2</sup> bler <sup>2</sup> leneye <sup>2</sup>	ditional In OUW Connectic Eared Grei European Forster's T Golden-wg G. Black-b Great Egre Great Tit <sup>2</sup> Gr. Pairie- Henslow's Hooded W Horned G Kentucky <sup>1</sup> King Rai <sup>1</sup>	march late river/stream formation be <sup>2</sup> Goldfinch <sup>2</sup> ern <sup>2</sup> s. Warbler <sup>1</sup> acked Gull <sup>2</sup> tt <sup>2</sup> Chicken <sup>2</sup> Sparrow <sup>1</sup> arbler <sup>1</sup> ebe <sup>2</sup> Warbler <sup>2</sup> Warbler <sup>2</sup>	Least Bitte Loggenea Loggenea Northern I Northern I Northern I Northern I Northern I Peregrine Philadelph Piping Plov Purple Ma Red-shoul Rudy-crow	residential open space misc. sm. town misc. sm. town tern1 d Shrike <sup>2</sup> d Owl <sup>2</sup> parrow <sup>2</sup> Bobwhite <sup>1</sup> Joshawk <sup>1</sup> Pintail <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> d Flycatcher <sup>1</sup> Falcon <sup>2</sup> d Grebe <sup>2</sup> de Grebe <sup>2</sup>	Snowy Spruce Swain: Tenne Upland Weste Whooj Wilsor Wilsor Worm Yellow Yellow Yelhe	residential open space misc.rural regret <sup>2</sup> e Grouse <sup>2</sup> son's Thrush <sup>1</sup> ssee Warbler <sup>2</sup> d Sandpiper <sup>2</sup> d Sandpiper <sup>2</sup> d Sandpiper <sup>2</sup> shalarope <sup>2</sup> t's Phalarope <sup>2</sup> t's Phalarope <sup>2</sup> -eating Warbler <sup>2</sup> -eating Warbler <sup>2</sup> -breasted Chat Night-Heron <sup>3</sup>	

'For all breeding season sightings, include exact location (lat/long preferred) & habitat description in eBird. <sup>2</sup>For probable/confirmed breeding, fill out a Priority Species Info Form. For observed/possible breeding, include exact location & habitat description in eBird.

<sup>a</sup>Fill out a WSO Rare Bird Documentation Form. If probable/confirmed breeding, also fill out a Priority Species Info Form. <sup>A</sup>Comments only necessary if probable/confirmed breeding.

<sup>8</sup>No comments necessary at Horicon Marsh.

- <sup>C</sup>Comments only necessary at a natural nest site (i.e. not on a building).
- <sup>D</sup>Comments only necessary at a nest site.

+Hide in eBird during breeding season.

Species not listed here or on Block Summary Card require Priority Species Information Form. Check WSO Review List as they may also require a WSO Rare Bird Documentation Form.

**Level 1 species:** For all breeding season sightings, include (a) exact location, (b) habitat code and (c) habitat description in eBird species-level comments. **Page 22 in Atlas Handbook** 

- Ruby-crowned Kinglet
- Golden-winged Warbler
- Connecticut Warbler
- Hooded Warbler
- Henslow's Sparrow
- · Common Nighthawk

- Sharp-tailed Grouse
- Least Bittern
- Black-crowned Night-Heron
- American Bittern (Comments only necessary if Probable/Confirmed)
- Red-shouldered Hawk (Comments only necessary if Probable/Confirmed)
- Purple Martin (Comments only necessary at a nest site)

## Need Details

## 1 Olive-sided Flycatcher RARE

Details:	46.15221, -91.05411 Lowland black spruce swamp, full of stunted live black spruce (1-3 feet tall) and a good number of tall thin snags. <u>FLCs</u> . Upright flycatcher with peaked head, dark head and back, dark "vest" contrasting with vertical white patch on chest. Repeatedly singing "quick-three-beers" atop snags.							×
	vest contre	isting with vehica	i milito pateri o	in one of the poor	ouly onighting q		s stop strage	-

This bird is rare for this date & location, please add comments and check 'Complete'.

Why?

## Level 2 species:

If Probable or Confirmed, fill out a Priority Species Information Form.

When only Observed or Possible during breeding season, simply provide (a) exact location, (b) habitat code and (c) habitat description in eBird species-level comments.

Details:	good numbe	er of tall thin snags	. FLCs. Uprig	ht flycatcher v	vith peaked head, o	spruce (1-3 feet tall) and a dark head and back, dark lick-three-beers" atop snags.	X
Add data	Age & Sex	Breeding Code	Oiled Birds	Details			

**Level 2 species:** Some Examples (Full List starts on pg. 23 of Handbook):

• Spruce Grouse, Upland Sandpiper, Bell's Vireo, Cerulean Warbler (THR)

• Loggerhead Shrike, Yellow-throated Warbler, Common Tern (END)

• Piping Plover, Kirtland's Warbler, Whooping Crane (Federally Listed; <u>Always</u> <u>hide in eBird during breeding season; see HIDING SENSITIVE SPECIES)</u>

## Level 2 species Continued:

- Bufflehead, Yellow-breasted Chat, Nelson's Sparrow (<5 known nesting locations in WI)
- Tennessee Warbler, Bay-breasted Warbler, Wilson's Warbler are they actually breeding in WI?
- Great Tit, European Goldfinch (Newly breeding in WI; non-native)



**Level 3 species:** Fill out a <u>WSO Rare Bird Documentation Form</u>. If Probable or Confirmed, fill out a <u>Priority Species Information Form</u>.

## Three Species:

- Yellow-crowned Night-heron
- Yellow Rail
- King Rail

\*\*These are separate because they are on the WSO Review List





# How to Add These Data?

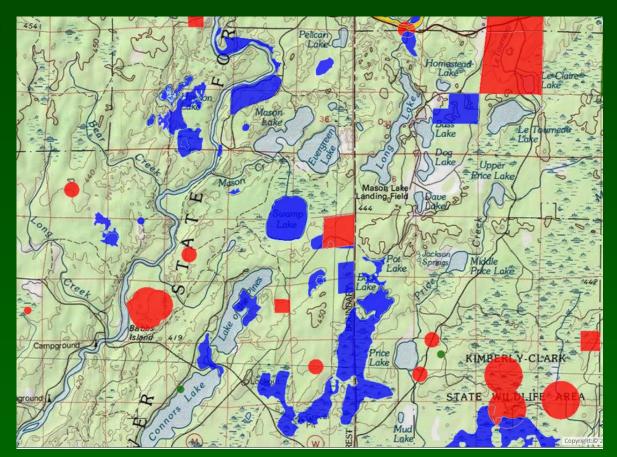
- Priority Species Form: <u>http://wiatri.net/nhi/birds/In1\_locate.cfm</u>
- Where is the Habitat Information
  - Atlas Handbook page 15
  - Quick Reference Guide
- Identifying Lat/Longs
  - Use the map tool on Page 2 of the Priority Species
     Form

# Objectives:

- What are the Priority Species
  - When and How to Add these Data
- Why do we need Additional Documentation
  - What is the Natural Heritage Inventory
  - Why do we need Precise Location Data
- Importance of Habitat Data
- Answer Your Questions

## Why do we Need Additional Documentation?

- Ensure high data quality for WBBAII Confirm Records of Uncommon or Rare Species
- Provide useful information for Species and Property Management
- Information on Habitat Use for Priority Species
- Assist the WDNR Natural Heritage Inventory Map and Track Priority Species



## **Natural Heritage Inventory Database**

- Established in 1985 (Wis Stats. 23.27)
- Housed in Bureau of Natural Heritage Conservation (formerly Endangered Resources)
- Tracks rare species and high-quality natural communities
- •Standardized information is maintained in a centralized database with precise locations
- •Information used to further the protection and management of rare species







## Uses of NHI Data

- Environmental Review
  - Utility, Road, Construction Projects
- Conservation Planning
  - Land Trusts, NGO's, Local Gov't
- Land Management Plans
  - Timber Harvest
  - Rx Burns
- Status Assessments
  - State ESA
  - SGCN
- Master Planning

### INDEX SEARCH WISCONSIN DEPARTMENT OF NATURAL RESOURCES



Release Announcements

Velcom

Disclaimer

Biodiversity

Ecological Concepts

Importance of Place

Element Information

(exit Intranet)

Why NHI Data?

Help

Who to Contact

NHI Screening Process

Data Sharing Guidance

Search NHI

Data by: - Element -

Geographic Area -

Go to Portal Mapping -

Ecosystem Management

NHI Data Information What is NHI Data?

Resources Biodiversity

Portal Main Page Go To TUTORIALS

## NHI Portal

The Gateway to Wisconsin's Biodiversity

### Welcome to the Natural Heritage Inventory (NHI) Portal

The mission of the Department of Natural Resources includes protecting Wisconsin's ecosystems that sustain all life - in other words, protecting biodiversity. It is from this context that one should approach the protection and conservation of endangered resources and their habitats.

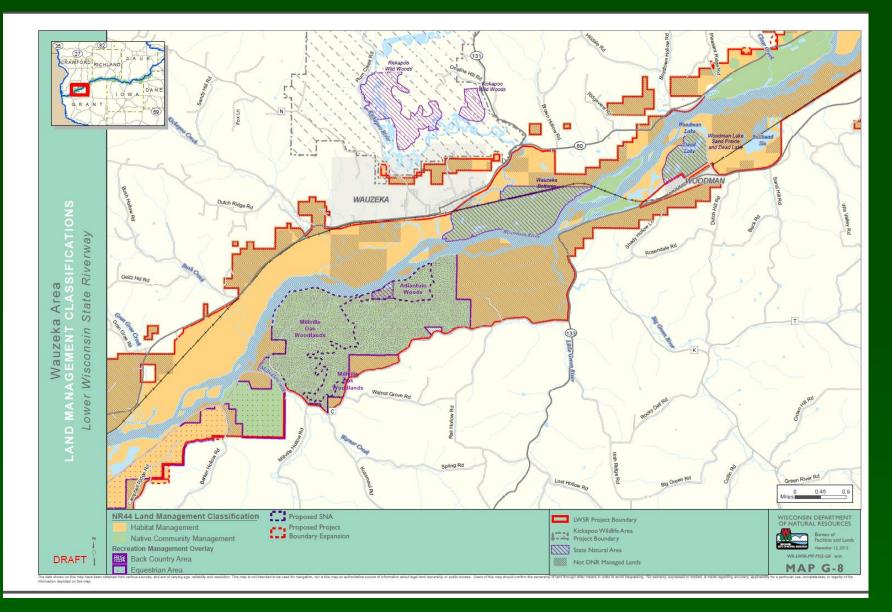
NHI Data provides site-specific information for rare species and natural communities. To be most effective, the user must set the data within the context of the Department's Ecosystem Management Decision-Making Process. All users should familiarize themselves with the Biodiversity Resources and NHI Data Information topics in the sidebar before entering the NHI Data Search Engine.

The NHI Portal is currently available to DNR staff only and is the Endangered Resource Program's official method of delivering NHI data for NHI Screening. For generalized NHI data available to the public, go to the NHI On-Line Database - it is intended for information and general planning purposes rather than regulator decision-making.

For more information or questions, please contact the Wisconsin Endangered Resources Program (Bureau EndangeredResources@dnr.state.wi.us) at 608-266-7012.

This portal was made possible through the funding by the Wisconsin Coastal Management Program and the National





## Draft Master Plan for Lower Wisconsin State Riverway – Wauzeka Unit

# Objectives:

- What are the Priority Species
  - When and How to Add these Data
- Why do we need Additional Documentation
  - What is the Natural Heritage Inventory
  - Why do we need Precise Location Data
- Importance of Habitat Data
- Answer Your Questions

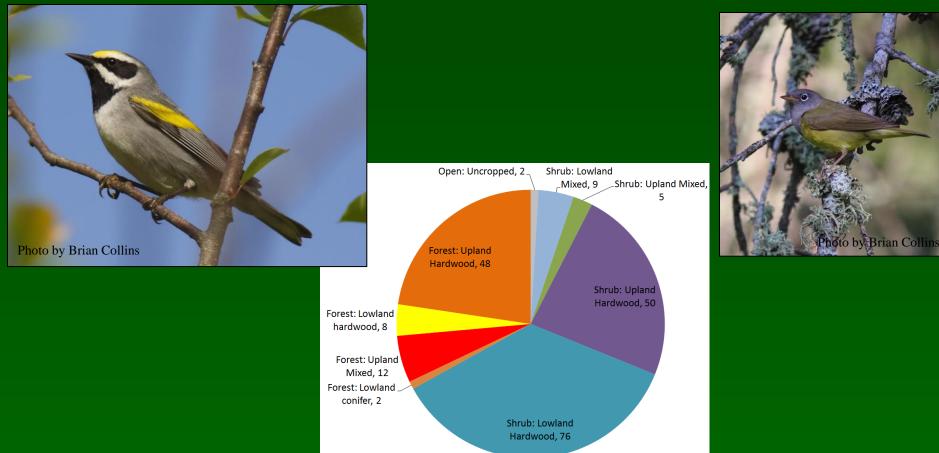
# Habitat Data

- Helps Coordinators Confirm Species ID
- Only Priority Species get Habitat Codes
  - Major change from WBBA I
  - Provides Habitat and Life History Information still lacking for some Priority Species
  - Aids Property Managers trying to create more habitat for Rare Bird Species



# Provide Information on Bird Habitat Preferences

- By Providing Habitat Information during the Atlas you can help us Answer Questions like:
  - Does the Golden-winged Warbler have a Preference for Young Forest or Shrub Wetlands?
  - Are CONW using only Older Jack Pine stands in Wisconsin or Lowland Conifers?



# Things to Consider:

- We don't need you to provide a precise location/habitat or fill out a Priority Species Form for every return visit or subsequent years – Just Once!
- If you have a large local population Provide one point for the core of the population ONLY
- Atlas I did not have Priority Species or Precise Locations – Rare Species data to Block Level could NOT be used for NHI purposes

## Questions???

### Wisconsin Breeding Bird Atlas II Quick Reference

	REQUIRED INFO FOR ALL SURVEYS									
DATE	START/END TIME ATLAS BLOCK NAME									
SURVE	Y MILES LOCATION WITHIN BLOCK									
TRAVE	TRAVEL EFFORT BETWEEN HOME AND BLOCK (MILES, TIME)									
	Separate property-specific checklists within a block are strongly encouraged.									
	INFO FOR ALL OBSERVATIONS									
	SPECIES   COUNT   HIGHEST BREEDING CODE   NOTE(S)									
	BREEDING CODES									
	OBSERVED									
	Observed (enter in eBird, no code required)									
F	Flyover									
	POSSIBLE									
Н	In appropriate <u>H</u> abitat									
S	Singing male (excluding migrants)									
	PROBABLE									
S7	Singing male heard <u>7</u> + days apart									
М	<u>M</u> ultiple (7+) singing males									
Р	<u>P</u> air in suitable habitat									
Т										
С	Courtship display/copulation									
N	Visiting probable <u>N</u> est site									
Α	Agitated behavior									
В	Woodpecker/wren nest <u>B</u> uilding/cavity excavation									
	CONFIRMED									
PE	Physiological Evidence/brood patch									
CN	<u>C</u> arrying <u>N</u> est material									
NB	Nest Building (except woodpeckers & wrens)									
DD	<u>D</u> istraction <u>D</u> isplay									
UN	Used Nest (use with caution)									
ON	Occupied Nest									
FL	Recently <u>FL</u> edged young									
CF	<u>C</u> arrying <u>F</u> ood									
FY	Feeding Young									
FS	Carrying <u>F</u> ecal <u>S</u> ac									
NE	<u>N</u> est w/Eggs									
NY	<u>N</u> est w/Young									

#### Wisconsin Breeding Bird Atlas II Quick Reference

			HABITA	T CODES	S			
F: FOREST		O: OPEN		S: SHRUB/SAVANNA				
FU: Upland forest		OU: Upland open		SU: Upland shrub		SL: Lowland shrub		
FUH: Upland hardwood		OUA: Agriculture		SUH: Upland hardwood		SLH: Lowland hardwood		
FUHa	aspen	OUAa	alfalfa	SUHC	cutover/burn	SLHC	cutover/burn	
FUHm	maple	OUAg	grass/mix hay	SUHh	hedge	SLHh	hedge	
FUHo	oak	OUAc	cultivated	SUHn	natural	SLHn	natural	
FUHp	plantation	OUAp	pasture	SUHo	oldfield	SLHO	oldfield	
FUC: Uplan	FUC: Upland conifer		row crops	SUHp	plantation	SLC: LOW	land conifer	
FUCh	hemlock	OUAs	small grains	SUC: Upla	and conifer	SLCC	cutover/burn	
FUCp	pine	OUAx	misc. ag.	SUCC	cutover/burn	SLCh	hedge	
FUCs	spruce-fir	OUN: Nat	tive	SUCh	hedge	SLCn	natural	
FUCs(p)	spruce plantn.	OUU: Uni	cropped	SUCn	natural	SLCo	oldfield	
FUM: Upland mixed		OL: Lowland open		SUCo	oldfield	SLM: LOV	vland mixed	
FUMh	hemlock-hardw	OLA: Agri	culture	SUCp	plantation	SLMC	cutover/burn	
FUMp	pine-hardwood	OLAa	alfalfa	SUM: Up	and mixed	SLMh	hedge	
FUMs	spruce-fir-hw	OLAg	grass/mix hay	SUMC	cutover/burn	SLMn	natural	
FUMs(p)	spruce plnt/hw	OLAC	cultivated	SUMh	hedge	SLMo	oldfield	
FL: LO	owland forest	OLAp	pasture	SUMn	natural			
FLH: Lowlar	nd hardwood	OLAr	row crops	SUMo	oldfield			
FLHn	northern	OLAs	small grains	SUMp	plantation			
FLHs	southern	OLAX	misc. ag.	U: URBAN/RURAL		۱L		
FLC: Lowian	id conifer	OLN: Native		UU: Urban				
FLCc	cedar	OLNm	meadow	UUO	open space	UUC	commerc./ind.	
FLCs	sprce/tamarack	OLNb	bog	UUX	misc. urban	UUR	residential	
FLM: Lowia	nd mixed	OLU: Und	ropped	U	5: Small Town		UR: Rural	
FLMc	cedar	OLW: Wa	ter/wetland	USC	commerc./ind.	URC	commerc./ind.	
FLMs	spruce	OLWm	marsh	USR	residential	URR	residential	
		OLWI	lake	USO	open space	URO	open space	
		OLWr	river/stream	USX	misc. sm. town	URX	misc. rural	

#### Species Requiring Additional Information

Acadian Flycather <sup>2</sup>	Connecticut Warbler <sup>1</sup>	Least Bittern <sup>1</sup>	Snowy Egret <sup>2</sup>
American Bittern <sup>1,A</sup>	Eared Grebe <sup>2</sup>	Loggerhead Shrike <sup>2</sup>	Spruce Grouse <sup>2</sup>
American Wigeon <sup>2</sup>	European Goldfinch <sup>2</sup>	Long-eared Owl <sup>2</sup>	Swainson's Thrush <sup>1</sup>
Bay-breasted Warbler <sup>2</sup>	Forster's Tern <sup>2</sup>	Nelson's Sparrow <sup>2</sup>	Tennessee Warbler <sup>2</sup>
Bell's Vireo <sup>2</sup>	Golden-wg. Warbler <sup>1</sup>	Northern Bobwhite <sup>1</sup>	Upland Sandpiper <sup>2</sup>
Black Tern <sup>2</sup>	G. Black-backed Gull <sup>2</sup>	Northern Goshawk <sup>1+</sup>	Western Meadowlark <sup>1</sup>
Black-cr. Night-Heron <sup>1</sup>	Great Egret <sup>2</sup>	Northern Pintail <sup>2</sup>	Western Grebe <sup>2</sup>
Black-necked Stilt <sup>2,8</sup>	Great Tit <sup>2</sup>	Olive-sided Flycatcher <sup>1</sup>	Whooping Crane <sup>2+</sup>
Boreal Chickadee1	Gr. Pairie-Chicken <sup>2</sup>	Peregrine Falcon <sup>2,C</sup>	Wilson's Phalarope <sup>2</sup>
Bufflehead <sup>2</sup>	Henslow's Sparrow <sup>1</sup>	Philadelphia Vireo <sup>2</sup>	Wilson's Warbler <sup>2</sup>
Carolina Wren <sup>2</sup>	Hooded Warbler <sup>1</sup>	Piping Plover <sup>2+</sup>	Worm-eating Warbler <sup>2</sup>
Caspian Tern <sup>2</sup>	Horned Grebe <sup>2</sup>	Purple Martin <sup>1<sup>, D</sup></sup>	Yellow Rail <sup>a</sup>
Cattle Egret <sup>2</sup>	Kentucky Warbler <sup>2</sup>	Red-necked Grebe <sup>2</sup>	Yellow-breasted Chat <sup>2</sup>
Cerulean Warbler <sup>2</sup>	King Rail <sup>a</sup>	Red-shouldered Hawk <sup>1,A</sup>	Yelcr. Night-Heron <sup>a</sup>
Common Goldeneye <sup>2</sup>	Kirtland's Warbler <sup>2†</sup>	Ruby-crowned Kinglet <sup>1</sup>	Yelheaded Blackbird <sup>1</sup>
Common Nighthawk <sup>1</sup>	Lark Sparrow <sup>1</sup>	Sharp-tailed Grouse <sup>1</sup>	Yelthroated Warbler <sup>2</sup>
Common Tern <sup>2</sup>	Le Conte's Sparrow <sup>1</sup>	Short-eared Owl <sup>2</sup>	

<sup>1</sup>For all breeding season sightings, include exact location (lat/long preferred) & habitat description in eBird.

<sup>2</sup>For probable/confirmed breeding, fill out a Priority Species Info Form. For observed/possible breeding, include exact location & habitat description in eBird.

<sup>3</sup>Fill out a WSO Rare Bird Documentation Form. If probable/confirmed breeding, also fill out a Priority Species Info Form. <sup>A</sup>Comments only necessary if probable/confirmed breeding.

<sup>B</sup>No comments necessary at Horicon Marsh.

<sup>C</sup>Comments only necessary at a natural nest site (i.e. not on a building).

<sup>D</sup>Comments only necessary at a nest site.

### +Hide in eBird during breeding season.

Species not listed here or on Block Summary Card require Priority Species Information Form. Check WSO Review List as they may also require a WSO Rare Bird Documentation Form.