

Nest ID: <b>P7N1</b>	Species: <b>Bobolink</b>	Location: <b>GP3 P7, corner, low</b>	Date Found: Mo/day/yr <b>6/14/2023</b>
Nest Substrate (Grass species, height, stage): <b>mostly bedstraw in bloom</b>			Nest height: Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
1 = Successful 2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) 3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive 4 = Status Unknown 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date -> <b>NEST OUTCOME:</b> Search Method -> <b>observation (feeding)</b> Nest Fate -> <b>Successful</b> # Fledged -> <b>6</b> GPS?	<b>2 posts</b>  <b>COMMENTS: no unhatched eggs visible</b>

Search methods: systematic observation luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? \_\_\_\_

*6/7 photo of area suspected nest (far)*

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
<i>Photo 6/14</i>	14	9:00	JH	NESTL	MF	0	5	7	8	in bedstraw
<i>Photo 6/16</i>	16	17:51	JH	NESTL	MF	0	6	8	9	1 nestling jumped at twice
6	19	17:15	AB	-	MF	0	0			high energy chirping, 2 pairs of adults, possibly 2 nests? nest empty per outside area (5 ft away)
6	21	8:50	JH		MF	0	0	10+		M-F chirping, nest empty
6	28				MF					chirping/feeding
										per 42-45
										veg 54/50 (gr/bedstraw)
										1.5 ft h! smooth bone/timothy

**Stage:** BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

Nest ID: <b>P2N123</b>	Species: <b>Bobolink</b>	Location: <b>GP3P</b>	Date Found: Mo/day/yr <b>6/14/2023</b>
Nest Substrate (Grass species, height, stage): <b>Grass - smooth brome, flowering 12-18 inches</b>			Nest height: Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
<b>1 = Successful</b> <b>2 = Cause of failure except brood parasitism</b> 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) <b>3 = Brood parasitisms</b> 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive <b>4 = Status Unknown</b> 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date -> <b>NEST OUTCOME:</b> Search Method -> <b>obs</b> Nest Fate -> <b>1 Success</b> # Fledged -> <b>6</b> GPS?	<b>pink/orange pigtail and fence wire</b> <b>nest 1/2 way between (between Plots 2 &amp; 7)</b> <b>near intersection of plots 1, 2, 7</b> <b>COMMENTS: spot mapped territories 20' x 20'</b> <b>M-F Feeding, chipping</b> <b>photos</b>

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe): \_\_\_\_\_ Weather in the last 24h? \_\_\_\_\_ Are any unhatched eggs left? \_\_\_\_\_ How many? \_\_\_\_\_. Are those eggs host or cowbird eggs? \_\_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
photo 6	14	11:50	JMH	NESTL	M-F	0	6	3	4	Feeding
photo 6	16	18:08	JMH	NESTL	M-F	0	6	4	5	Eyes opening, 2M 1F chipping
6	19	17:20	AB	NESTL	M	0	6	8	9	poop outside nest 1m chipping ago. 3m 1F chipping
photo 6	21	8:46	JH	NESTL	MF	0	3	9	Fledged	poop went edge of red M-F chipping
6	23	11:00	JH	—	MF	—	—	10+	empty, dried poop	MF Chipping, feeding in Plot 7 in Plot 1. 2 flying nearby
6	28	17:40	AB		F					pic 45-48
										veg- 90-10 grass/apple
										poa/ smooth brome

**Stage:** BUILD= nest-building; LAY= laying; INC= incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

Nest ID: <u>19 N2</u>	Species: <u>Bobo</u>	Location: <u>19 - GP4</u>	Date Found: Mo/day/yr <u>6/14/23</u>
Nest Substrate (Grass species, height, stage):			Nest height: Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
1 = Successful 2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) 3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive 4 = Status Unknown 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date -> <b>NEST OUTCOME:</b> Search Method -> Nest Fate -> # Fledged -> GPS?	can't find the nest! 6/16 - 6/17 should be in tall grass 2' deep in prod <b>COMMENTS:</b>

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_\_ Are any unhatched eggs left? \_\_\_\_\_ How many? \_\_\_\_\_. Are those eggs host or cowbird eggs? \_\_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	14	8:30	AB	Nest	MF	0	5	3-4	3-4	
6	19	17:12	AB		F					did not find the nest
6	20		JH							" "
6	23									MF nearby, chipping
6	28									71540-41-42 (no nest)
										veg: 30/20 gr/f (w/etch pure)
										megast (Amur)

**Stage:** BUILD= nest-building; LAY= laying; INC= incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

Nest ID: <b>PHN1</b>	Species: <b>Bobo</b>	Location: <b>Plot 11 - GPS</b>	Date Found: Mo/day/yr <b>6/14/23</b>
Nest Substrate (Grass species, height, stage):			Nest height: <b>0</b> Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
1 = Successful 2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) 3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive 4 = Status Unknown 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date -> <b>NEST OUTCOME:</b> Search Method -> Nest Fate -> # Fledged -> GPS?	<b>top of main hill in regrowth</b>  <b>COMMENTS:</b>

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? \_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	14	12:00	AB	NestH	MF	0	4	1-2	1-2	one baby had a (scrape) wound on its head
6	16	18:00	JH	NestH	MF	0	4	3	4	M chipping F sitting at nest
6	19	17:39	AB	NestH	-	0	4	5-6	7-8	
6	21	9:10	JH	NESTL	M-F	0	4	7	8	
6	23	11:20	JH	Empty/Fledged				9	10	empty, dried poop no adults in immediate area, some down hill
6	28	15	AB							pic 10/11/2 veg. small brown / dusty 99% grass, before 9" veg

Stage: BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. Adults attending: M = male present; F = female present; M/F = male and female present; NONE = neither adult present. Age: 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). Description of young: Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

NestID: <u>PVW</u>	Species: <u>Bobo</u>	Location: <u>GP4, PM</u>	Date Found: Mo/day/yr <u>6/12/23</u>
Nest Substrate (Grass species, height, stage):			Nest height: <u>12</u> Nest Orientation:

NEST FATE CODES	NEST SUMMARY	LOCATION DESCRIPTION:
1 = Successful 2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) 3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive 4 = Status Unknown 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued	Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date -> <u>6/10 - 6/11</u> <b>NEST OUTCOME:</b> Search Method -> <u>Obs.</u> Nest Fate -> <u>fledged</u> # Fledged -> GPS?	left post near predicated loc. Found fledgling (1) but no nest. Found nest - post on steep uphill pointing out it.  <b>COMMENTS:</b> <u>3-4 droppings around nest</u>

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe).                      Weather in the last 24h?            Are any unhatched eggs left? 0 How many? 0. Are those eggs host or cowbird eggs?           

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	12	9:30	AB	Done	M/F	—	1	—	gt	placae fledgling, walking not running
6	14	10:00	AB	Done	M	0	0	—	—	Parent still feeding / chipping
6	16	18:30	JH	Done	M/F	—	—	—	—	chipping
6	19	17:59	AB	—	—	—	—	—	—	think I hear a baby
6	28				M(chip)					pr 19-21 veg 2 1/2 head 3.5 veg - swap of veg (blue)

**Stage:** BUILD= nest-building; LAY = laying; INC=incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

NestID: <u>PB3N2</u>	Species: <u>B60</u>	Location: <u>PB, GPH</u>	Date Found: Mo/day/yr <u>6/14/23</u>
Nest Substrate (Grass species, height, stage):			Nest height: <u>0</u> Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
1 = Successful 2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) 3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive 4 = Status Unknown 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date -> <b>NEST OUTCOME:</b> Search Method -> Nest Fate -> # Fledged -> GPS?	<b>COMMENTS:</b>

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? \_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	14	9:00	AB	NestH	MF	0	4	5-6	5-6	eyes open
6	16	18:00	JH	NestH	BM	0	4	7	9	3M, 1F chipping
6	19	17:50	AB	-	-	0	0	-	-	Several poops outside nest
6	25	15:30	AB		Same in nest					Pics 16-18 neg. smooth bones, fully, pushed 1 FB grass 795X (empty) height veg 10" flw 2.5ft

**Stage:** BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

Nest ID: <b>P15N3</b>	Species: <b>B60</b>	Location: <b>83, GP4</b>	Date Found: Mo/day/yr <b>6/14/23</b>
Nest Substrate (Grass species, height, stage):			Nest height: <b>8</b> Nest Orientation:

NEST FATE CODES	NEST SUMMARY	LOCATION DESCRIPTION:
<b>1 = Successful</b> <b>2 = Cause of failure except brood parasitism</b> 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) <b>3 = Brood parasitisms</b> 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive <b>4 = Status Unknown</b> 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued	Summary Dates: Clutch Complete ->  Hatch Date ->  Fledge/Fail Date ->  <b>NEST OUTCOME:</b> Search Method ->  Nest Fate ->  # Fledged ->  GPS?	<b>COMMENTS:</b>

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe): \_\_\_\_\_ Weather in the last 24h? \_\_\_\_\_ Are any unhatched eggs left? \_\_\_\_\_ How many? \_\_\_\_\_. Are those eggs host or cowbird eggs? \_\_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	14	9:30	AB	NESTL	F	0	5	7-8	7	fully feathered, pine dropped
6	16	18:10	JH	---	MF	---	---	---	---	empty nest! did not see fledglings
6	19	17:49	AB		MF					M chipping + F pump in bonnest but didn't do thorough search
6	28	15	AB		MF					M-F chipping & nesting
										chipping sawsp.
										MF chipping F w/ food p.c.s 13-15 potentially 2-3 babies took of flying
										veg- <u>Survivor</u> 6 w/ 12" veg 3' flame
										red + <u>CRAD</u>

**Stage:** BUILD= nest-building; LAY= laying; INC= incubation; HATCH= hatching; NESTL= nestling. **Adults attending:** M= male present; F= female present; M/F= male and female present; NONE= neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

search method

Nest ID: <b>PHN1-23</b>	Species: <b>Bobolink</b>	Location: <b>Plot 14 E, GPS</b>	Date Found: Mo/day/yr <b>6/7/2023</b>	Observed feeding behavior
Nest Substrate (Grass species, height, stage): <b>photo beneath edge of small crabapple, short grasses &amp; forbs &lt; 10"</b>			Nest height:	Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>	
<b>1 = Successful</b> <b>2 = Cause of failure except brood parasitism</b> 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) <b>3 = Brood parasitisms</b> 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive <b>4 = Status Unknown</b> 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date ->	<b>NW corner of Plot 14, GPS</b> <b>near fence to GP6, between 2 posts</b> <b>under East side of small rose</b> <b>(see photo)</b>	
		<b>NEST OUTCOME:</b>	<b>COMMENTS:</b>	
		Search Method ->	M/F feeding nestlings with caterpillars from nearby oak tree	
		Nest Fate ->		
		# Fledged ->		
		GPS?		

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/ parents with food/saw fledgling/continuous chipping/other (describe). parents attending nearby but no Weather in the last 24h? Are any unhatched eggs left? yes How many? 2. Are those eggs host or cowbird eggs? other nest found  
seem to be bobolink eggs

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	7	10:00	JH	NEST	M/F	1	3	3-4	5-6	photos, eyes all appear closed but see wing/tail, back pinfeathers
6	9	15:48	AB		MF	0?	3	5/6	5/6	eyes open
6	12	14:00	JH			2	0			eggs must have been hidden all (fledged), though not seen in nest
6	15	1	JH		3M/F	2	0			3M/F attending, seem to be feeding/watching young, possibly ~5M away?
6	19	18:15	AB		F	2				F still feeding/chipping
6	21	9:45	JH		3M/F	2				3M, 2F nearby, chipping, some feeding but may be launching nest uphill
6	23	11:45	JH		3M/F	?			~20	3M is chipping near + uphill I did not inspect nest
6	28	16:15			F (newly)	2				Something brown & highly mobile in grass - area 25-27. saw snake on way
										80% grass: dehydrated pea, mistle, 1, time
										90% shrub: <u>varianum</u> bitter-sweet, yucca, glossy

Stage: BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. Adults attending: M = male present; F = female present; M/F = male and female present; NONE = neither adult present. Age: 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). Description of young: Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?





Nest ID: <b>P15N2-25</b>	Species: <b>Bobolink</b>	Location: <b>GP5, Plot 15 East side near wet</b>	Date Found: Mo/day/yr <b>6/15/2023</b>
Nest Substrate (Grass species, height, stage): <b>nut sedge</b>			Nest height:
Nest Orientation:			

NEST FATE CODES	NEST SUMMARY	LOCATION DESCRIPTION:
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Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? \_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
photo 6/6	15	13:45	JH	NESTL	F M-F	0	4	1-2	3-4	M-F guarding N1 other F feeding N2
6	19	17:05	AB	NestH	FM	0	5	3-4	5-6	angry M, one F nearby
photo 6/6	21	11:41	JH	NESTL	FM	0	4	5	6	photo
6	23	10:45	JH	NESTL	FM IF	0	3	7	9+	poop fresh on edge of nest no fledglings found
6	28	14:30	AB		M	←				pic 769 wet, nest drying

**Stage:** BUILD= nest-building; LAY = laying; INC= incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

22hi veg: 60/10 grass/sedge in patch of fyllr / brome / var wet



Nest ID: <u>PL6 N1 M</u>	Species: <u>Bubalunk</u>	Location: <u>Plot 16 SE - 696</u>	Date Found: <u>Mo/day/yr</u> <u>5/30/23</u>
Nest Substrate (Grass species, height, stage): <u>Sedges</u>			Nest height: <u>0</u> Nest Orientation:

NEST FATE CODES	NEST SUMMARY	LOCATION DESCRIPTION:
1 = Successful 2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) 3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive 4 = Status Unknown 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued	Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date -> NEST OUTCOME: Search Method -> Nest Fate -> # Fledged -> GPS?	In impacted waterway, 1/2 way between 2 posts (painted in red). COMMENTS: Potentially flooded w/1, very wet around tree

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_\_ Are any unhatched eggs left? Y How many? 2. Are those eggs host or cowbird eggs? host?

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
5	30	8AM	AB	LAY	F	2	0	-	-	flushed female
6	7	11	JH	LAY	F	4	-	-	-	female visiting, ground pretty wet
6	8	10AM	AB	LAY		4	-	-	-	no female seen
6	1	13:00	AB	LAY		4				female flushed
6	9	1600	AB	LAY	M	4	-	-	-	male chipping
6	13	1600	JH	HATCH	MF	3	1			
6	15	1000	JH	HATCH	MF	2	2	1-2	3-4	M, F chipping
6	19	1841	AB	Nest	M	1	2	3-4	3-4	eyes closed feeding - sopping wet around
6	21	11:09	JH	Nest	M-F	2	2	5	6	chipping, feeding, eyes open
6	23		JH	Nest	?	1-2?	2	6	7+	chipping nearby / 1 young in red, 1 young out but

Stage: BUILD= nest-building; LAY = laying; INC= incubation; HATCH = hatching; NESTL = nestling. Adults attending: M = male present; F = female present; M/F = male and female present; NONE = neither adult present. Age: 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). Description of young: Eyes closed/open? Location of pinfeathers? Pinfeathers

6/28 Plot 26-30 just outside grazing area veg: 2' defoliated gr (16 sedges) 40/60 (Hatched wheel track) barely missed up at me.

NestID: <b>P16 N23</b>	Species: <b>Bobolink</b>	Location: <b>GGC Plot 16 lowland</b>	Date Found: Mo/day/yr <b>6/14/2023</b>
Nest Substrate (Grass species, height, stage): <b>see photo</b>			Nest height: Nest Orientation: 
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
1 = Successful 2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) 3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive 4 = Status Unknown 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> Hatch Date -> Fledge/Fail Date ->  <b>NEST OUTCOME:</b> Search Method -> <b>obs</b> Nest Fate ->  # Fledged ->  GPS?	       <b>COMMENTS:</b> <b>see photos</b> <b>M-F Feeding</b>

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? \_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
<b>photos 6</b>	<b>14</b>	<b>15:05</b>	<b>JMH</b>	<b>NESTL</b>	<b>M-F</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>see photos</b>
<b>6</b>	<b>19</b>	<b>19-</b>	<b>AB</b>	<b>-</b>	<b>MF</b>	<b>-</b>	<b>2 (dead)</b>			<b>2F</b> 2 dead babies one out of hole chipping aggressively maybe the other 2 got out? looks like died 7-8 days old <b>Pics 37-36?</b>
<b>6</b>	<b>28</b>	<b>1630</b>	<b>AB</b>							
										<b>veg 65Gr, 30F, 5shw 6</b> <b>white pin over/low (apple / rarer)</b> <b>me-faces</b> <b>3' mixed veg hi</b>

Stage: BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. Adults attending: M = male present; F = female present; M/F = male and female present; NONE = neither adult present. Age: 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). Description of young: Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

Nest ID: P17-N1	Species: Bobolink	Location: GP6 Plot 17 lowland <sup>center</sup>	Date Found: Mo/day/yr 6/16/2023
Nest Substrate (Grass species, height, stage): grass, small, brown? or KY? nest below small crabapple			Nest height: Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
1 = Successful		Summary Dates:	crabapple midway between 2 posts photos!
2 = Cause of failure except brood parasitism		Clutch Complete ->	
2.0 = Cause unknown; 2.1 = Abandon before eggs laid		Hatch Date ->	
2.2 = Abandoned after eggs laid; 2.3 = Depredated		Fledge/Fail Date ->	
2.4 = Adult mortality; 2.5 = Research Activities			
2.6 = Weather; 2.7 = Act of God (fallen tree, etc.)			
3 = Brood parasitisms		<b>NEST OUTCOME:</b>	<b>COMMENTS:</b>
3.0 = Host eggs abandoned		Search Method ->	
3.1 = Host young failed; cowbird alive		Nest Fate ->	
3.2 = Fate of host offspring unknown, cowbirds alive		# Fledged ->	
4 = Status Unknown		GPS?	
4.0 = nest found, but never observed active			
4.1 = nest occupied, but insufficient to determine fate			
4.2 = nest occupied, but monitoring discontinued			

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? \_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	16	15:54	JH	NESTL	M-F	0	5	7	9	Male, female feeding, chipping (F pouch)
6	19	19:10	AB	—	F	1	—			female chipping, no food, hawk nearby
6	28	16:45	AB		F (not chirp or feed)					pic 36-39
										veg: 45 grass (crilly) juniper (poor)
										16 f. black-ch. butch. with 5 shrub (hatched) goldenrod

**Stage:** BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/feather sheaths in nest/parents with food/saw fledgling/continuous chirping/other (describe). 1 dead chick w/ 1 I did not Weather in the last 24h? 6/15-6/16 sunny, clear, then overcast Are any unhatched eggs left? 0 How many? 0 Are those eggs host or cowbird eggs? 0 8/14 - big storm in the evening

**Stage:** BUILD= nest-building; LAY = laying; INC= incubation; HATCH = hatching; NESTL = nestling. **Adults attending:** M = male present; F = female present; M/F = male and female present; NONE = neither adult present. **Age:** 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). **Description of young:** Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?

NestID: <b>LSN1-11</b>	Species: <b>B. boltoni</b>	Location: <b>Lower Sunset</b>	Date Found: <b>Mo/day/yr</b> <b>7/30/23</b>
Nest Substrate (Grass species, height, stage): <b>Grass starting to flower; velvet, bromes, sedges</b>			Nest height: <b>0</b> Nest Orientation:
<b>NEST FATE CODES</b>		<b>NEST SUMMARY</b>	<b>LOCATION DESCRIPTION:</b>
<b>1 = Successful</b> <b>2 = Cause of failure except brood parasitism</b> 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.) <b>3 = Brood parasitisms</b> 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive <b>4 = Status Unknown</b> 4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued		Summary Dates: Clutch Complete -> <b>5/30/23</b> Hatch Date -> Fledge/Fail Date ->	<b>Slight clump, slope just starting</b>
		<b>NEST OUTCOME:</b>	<b>COMMENTS:</b>
		Search Method ->	
		Nest Fate ->	
		# Fledged ->	
		GPS?	

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? \_\_\_\_

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host ynp	Min age ynp	Max age ynp	COMMENTS (Description of young; other)
5	30	2:15 PM	SH AB	INC/LAY	MF	6	-	-	-	Previously grazed
6	1		AB	INC	F	6	-	-	-	
6	9	15:25	AB	INC	F	7	-	-	-	Flushed female
6	14	18:00	AB	Nestl	M	0?	5	3-4	3-4	
6	20	8:00	AB		F	0	0	7-8	7-8	1 dead nestling in nest 2 nestlings < 1m from nest, not visible
6	29	9	AB							First 3 ples from day veg: (75% reg) 10% equisetum, 5% golden 12/13
										Other end of field several 2 1/2
										1 flying baby (not tail?)

Stage: BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. Adults attending: M = male present; F = female present; M/F = male and female present; NONE = neither adult present. Age: 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). Description of young: Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?



NestID: <b>PLAINSE-MI-23</b>	Species: <b>Bobolink</b>	Location: <b>Plains Forest Refuge</b>	Date Found: <b>Mo/day/yr</b> <b>6/20/23</b>
Nest Substrate (Grass species, height, stage): <b>grass - orchard? 30", flowering</b>			Nest height: Nest Orientation:

NEST FATE CODES	NEST SUMMARY	LOCATION DESCRIPTION:
1 = Successful	Summary Dates:	Refuge left <del>after</del> first cut May morning (one of 2), the Eastern
2 = Cause of failure except brood parasitism 2.0 = Cause unknown; 2.1 = Abandon before eggs laid 2.2 = Abandoned after eggs laid; 2.3 = Depredated 2.4 = Adult mortality; 2.5 = Research Activities 2.6 = Weather; 2.7 = Act of God (fallen tree, etc.)	Clutch Complete ->	
	Hatch Date ->	
3 = Brood parasitisms 3.0 = Host eggs abandoned 3.1 = Host young failed; cowbird alive 3.2 = Fate of host offspring unknown, cowbirds alive	Fledge/Fail Date ->	<b>COMMENTS:</b> at least 2M, 2F on May 26 9 AM, 2F seen regularly prompted (chige) 3. F flushed twice week of June 5 (after looking at), marked with post 4. nest found with 2 eggs & no adults present afternoon 6/20 5. nest w/ 2 eggs morning of 6/21, 1 M adult checked on it
4 = Status Unknown	NEST OUTCOME:	
4.0 = nest found, but never observed active 4.1 = nest occupied, but insufficient to determine fate 4.2 = nest occupied, but monitoring discontinued	Search Method ->	
	Nest Fate ->	
	# Fledged ->	
	GPS?	

Search methods: systematic, observation, luck, stick. Any evidence for fledglings (circle)? Flattened nest-rim/feces in or close to nest/ feather sheaths in nest/parents with food/saw fledgling/continuous chipping/other (describe). \_\_\_\_\_ Weather in the last 24h? \_\_\_\_ Are any unhatched eggs left? \_\_\_\_ How many? \_\_\_\_ Are those eggs host or cowbird eggs? may be 1 Bobo 1 Cowbird (see photo)

Month	Day	Time	Obs	Stage	Adult Loc	# host egg	# host yng	Min age yng	Max age yng	COMMENTS (Description of young; other)
6	7	6am	JH	BUILD LAY?	? 2M 2F					Female Flushed
6	20	10:20	JH	LAY/INC	0	2?				may be 1 cowbird, 1 bobo (see photo)
6	21	7:00	JH	LAY/INC	1M	2?				" no sign of fledging or occupation (feathers, poop, etc.)
										but may be too close (5' away) except no nest & scattered eggs - adult prep nest area
6	23	10:20	JH	EGG	1M 1F	2				
6	29	9:30	AB		F 30m away	2				Pics 4-6 of day
										neg - 30-20 grass: <u>perennial</u> , 1 blue
										10" - 2.5' 10 plants 15 inch high, 5 clover 5 (fluffy) (mound)

Stage: BUILD = nest-building; LAY = laying; INC = incubation; HATCH = hatching; NESTL = nestling. Adults attending: M = male present; F = female present; M/F = male and female present; NONE = neither adult present. Age: 1-2 days (tiny, pink, naked). 3-4 days (eyes closed, larger, few feathers on head and back). 5-6 days (eyes open, closed pinfeathers on wings and tail, partly naked). 7-8 days (head covered with pinfeathers, most of the body feathered). 9 days and older (young ready to jump out of the nest, open pinfeathers). Description of young: Eyes closed/open? Location of pinfeathers? Pinfeathers closed/open?