

Ketterson / Nolan Research Group Collection

This document is part of a collection that serves two purposes. First it is a public archive for data and documents resulting from evolutionary, ecological, and behavioral research conducted by the Ketterson-Nolan research group. The focus of the research is an abundant North American songbird, the dark-eyed junco, *Junco hyemalis*, and the primary sources of support have been the National Science Foundation and Indiana University. The research was conducted in collaboration with numerous colleagues and students, and the objective of this site is to preserve not only the published products of the research, but also to document the organization and people that led to the published findings. Second it is a repository for the works of Val Nolan Jr., who studied songbirds in addition to the junco: in particular the prairie warbler, *Dendroica discolor*. This site was originally compiled and organized by Eric Snajdr, Nicole Gerlach, and Ellen Ketterson.

Context Statement


This document was generated as part of a long-term biological research project on a songbird, the dark-eyed junco, conducted by the Ketterson/Nolan research group at Indiana University. For more information, please see IUScholarWorks (<https://scholarworks.iu.edu/dspace/handle/2022/7911>).

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Hotel Candos-II, cont

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
6/25	<p>All 3 males, Candos ♂, Hotel 24 ♂, & Lake Cabin ♂ at the border of their territories (Steps of Gravel between Barn & Candos) fighting & fussing. Candos & Lake ♂ had a stand-off made in conjunction looks as if a new ♀ is moving in - but we couldn't see who. ~ 1530</p> <div style="display: flex; justify-content: space-around; align-items: center;">  </div>
6/26	<p>♂ SINGING BEHIND REC BARN - CHASED A ♀ BEHIND MAINT. SHED WHO WAS COURTING YOUNG ♀ (PUFFY, TWITTERS, WINGS DROOPING, TAIL SPREAD - A REAL PERFORMANCE) - INTRODUCER ♂ = S O YEL-L, WH/RED-R (GALLERY ♂?) (OIL 88 NESTLING = 202109424); ALSO A POSS. ♀ SEEN S O YEL-R, DR BLU/LT BLU-L - CHIPPING + FORAGING BEHIND MAINT SHED (♀ NESTLING = 202109423)</p>
6/29	<p>♂ SIGHTED AGAIN @ REC BARN IN AREA - FIRST NEST</p>
6/30	<p><u>SAW ♂ COPULATE w/ S O YEL-R, DR BLU/LT BLU-L !! BEHIND MAINT SHED -</u> <u>AFTER COPULATION, WITNESSED INTENSE CHASES + CHIPPING BET. WH/ID ♂ + ♀ ♀,</u> <u>THIS ♀ NOT INCLUDED; IS CANDOS ♀ DEAD? S O YEL-R A REPLACEMENT ♀?</u> (THIS IS THE SAME ♀ FROM HOTEL 15) - WHAT HAPPENED TO HOTEL 15 ♀? ♂ sings early eve. - NO ♀ SEEN.</p>

JUNCO NEST LOG SHEET

Nest I.D. Hotel-Condos-89
 Female:

Treatment Group T impl
 Date Found 4/19/89

Band 2031-33220

Status when found ♀ building

Colors ♀ Ofg O S O DK Blu-L, Lt Blu/Red-R

Male:
 Band # 1720-27640

Colors Lt Blu/Blk O S-R, 2 Pnk/Blks-L

Loc. Hotel-behind Barn

Eggs laid ? # Hatched, Date exp 5/13 2 Junco's

Date Incub. Onset ~5/1-2 # Fledged/Fail, Date 5/24, Fledged

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE	STATUS
4/19	EK Saw ♀ building.
4/20	still building
4/21	no Δ, egg, ♀ combing hair
4/22	"
4/23	"
4/24	"
4/25	"
4/26	"
4/27	1 CB egg - 1st attempt
4/28	1 CB egg + ♀ 2nd attempt full patch weighed 25.7, has
4/29	partial egg laid and hatched egg removed - 1J, 1CB, marked 5 eggs on 1
4/30	2 J, 2 CB eggs - cold, ~1100. Same CB ♀, same did not hatch egg 2
5/1	" " " , hmm, 5th egg incubated same mark egg - 1st of 10720
5/3	♀ on 2 + 2 eggs - did incubation watch. ~ Took out 1 CB egg around 5/3 or 4.
5/2	♀ 2J, 2CB at 1730
5/8	♀ off- eggs cold.
5/11	♀ flushes off now removed 2 CB eggs + replaced with 2 other conspecifics
5/13	Hatched today - 2 J.s. Removed CB egg.
5/14	Did nest watch, still 2 junco's, no eggs.
5/15	" " " " ♂ + ♀ feeding. Weighed Young. not useful data
5/16	nest watch, 2 junco's no eggs
5/17	nest watch, 2 junco's, ♀ + ♂ fed. (useful data)
5/19	nest watched, 2 nestlings ♀ fed twice amount that ♂ did, Less brooding <u>OVER</u>

1st egg need 6/8
 15 days

Hotel-Condos, cont

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
5/24	fledged young, caught ♀, Lt & R, did not did not succeed in catching ♂, fledged young, weight measured etc. returned young to nest @ 1230 still there 1715 and 1845. ♂ fighting with lake coterie ♂ (Hotel 23) who has building ♀
5/25	caught ♂, bled him large island halfway, replaced it, he looks dead young uphill from site. barn 3 min search = 15 mins no feeding.
5/25	could only find one young, blueband. 03pm.
5/27	watched 0730-0800, saw Lt bl. fledgling, ♂ guards + sing but did not feed, ♀ feed 2x large loads, song sparrows in the vicinity
5/28	ex 1st watch 1125-1155, saw blue, only ♀ fed, ♂ around fall tree, sing alot, defended mildly, but did not feed.
5/29	saw ♀ & ♂ with young, Lt blue, ♂ fed 1x, ♀ 5-6x in 1/2 hour
5/30	FLEDGLING WATCHED (BANDS NOT SEEN); 4 ♀ FEEDINGS, 0 ♂ FEEDINGS; 33 ♂ SINGS; DATA UNRELIABLE (MY FIRST FLEDGLING WATCH) (30 minutes) ♂ Sing alot, has fights with galling (Hotel 22 ♂) he puffs for ♀ in rear just Hotel 25 - no idea who male? He enters a potential nest site in the presence of leaves
5/31 - (EKH watch)	Saw pair with young, Lt blue, as me, see young. A <u>new nest site</u> behind mount road (where ♂ entered 2 days ago), ♀ fed young twice, ♂ did not feed, nest site has moss only
7/2	nest inspected upon
4/13	fully lined with grass, no hair yet
6/14	Saw Lt Blu kid- ♀ then; clipped.
6/15	♂ singing directly behind "new" nest behind service building. ♂ flushed towards condos, seen w/ ♀ and Lt blue fledgling. ♂ Fed fledgling once in 5 mins of observations. "new" nest
6/16	has one cashbird egg ~ 9am. 6/7 ♂ "puffs" at ♀, ♀ feeds
6/18	new nest has 7 CB eggs. young, ♂ does not, ♀ goes to the young. Saw ♂ singing on mount shed + G near roof - constant find fledgling in Lt bl. ♂ young

Hotel Concord I

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
6/9	PAC and fledgling water, he reports and a few more or parents, look for water behind water, both rd., behind fledgling and ♀ forage together, she does not feed, he brings a lot ♂ showed slight level of alarm.
6/10	watched fledgling - observed from See Hotel Concord II
7/2	Saw fledgling (lt BL) on golf course w/ a large flock of juncos. *

OK

JUNCO NEST LOG SHEET

Nest I.D. Hotel 9 - III Treatment Group E-imp
 Female: Date Found 7/25
 Band 2011-32061 Status when found _____
 Colors Dk green 0.50 0.50 -L black -R
 Male: Band # 1080-61055
 Colors Lav 0.5 -R 2 blk/ht pinka -L
 Loc. above stone pillar on laundry building at Hotel ^{near road}
 # Eggs laid 4 # Hatched, Date 25/7/89
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

7/25 found nest! ♀ on, 4 eggs, ♂ singing overhead
 7/27 did nestwatch, probably 1st day - ♂ Fed ♀ on nest.
 She "begged" when he arr. w/ food. begging consisted of opening
 + closing bill very quickly for 5-7 seconds. stopping + then
 darting again. This happened for ~ 3 minutes
 he finally unloaded his bill to her. see nestwatch for
 more info.
 7/29 - weighed 4 nestlings - day 3
 7-31 Did nestwatch
 8-3 Did nest watch. Still 4.
 8/6 DAN DID NESTWATCH, OBSERVED JUVENILE FLEDGING INDEPENDENTLY, CT 3/4,
 LAST ONE HIT BY CAR ☹️; ♀ CT + BLEED, BUT SAMPLE MAY BE USELESS - VERT
 AGITATED EAR ~30 MINS. BEFORE CT; ♂ NOT CT

Hotel 9-II

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
7/3	nest watch, both parents fed, total = 11 times between them. Best place to sit is on wall by dewdney 30 feet away from nest.
7/6	D. - nest watch (Said in a better spot than this 5). Fledged only 2 young, cl. black 9/24 Could not catch ♂.
7-8	Saw Org o Blk fledgling behind hotel, not far back
7/11	FLEDGLING WATCH, 45 MINS.; ORG o BLK ONLY ONE SEEN, ♂ FED MUCH LONGER THAN ♀, FOUND ON BLK RD. 1930-1945
7/11	VERY GOOD FLEDGLING WATCH, 30 MINS., 3 ♂ FEEDS, 9 ♀ FEEDS; FOUND ORG o BLK BEHIND HOTEL ~ 40 M INTO WOODS
7/14	FOUND ORG o BLK AGAIN, FLUSHED HIM OFF GROUND - NO ADULTS AROUND - RE-NESTING?
7/16	♂ sing from sunset in middle of Hotel 19 territory, sang constantly 1930-1945. Went to ♀, found as Hotel 1900?
7/19	saw ♂ carry food from front side of hotel to back. ∴ still fairly young. ♀ went crazy at a cat, then at me from old nest side. Nest was empty but dry & few lived where is the nest?
7/20	SAW ♂ FEEDING ORG o BLK FLEDGLING - <u>INDEP</u> - FLEDGLING FORAGED ON ITS OWN, LOOKS STRONG & IN GOOD SHAPE; ♀ NOT AROUND - RE-NESTING? CHECKED PORTULO NEST, EMPT ♂ SINGING A LOT
7/25	found nest! ♀ in niche on stone pillar on old porch of Laundry building. She was incubating 4 eggs! (VN saw fledgling Org o Blk in front of hotel), ♂ sang overhead
7-28	Cl. Org o Blk at GC tug 1 - still has a little yellow on bill. - ♀
7/29	at " @ HOTEL RICHMOND, STILL HAS YELLOW ON BILL (WIND = 80 → ♀?)
8-1	Val of Org o Blk at Richmond

max bread int of SW laid egg 4 on 7/25 and egg 1 on 7/22 were set 7/6 days

JUNCO NEST LOG SHEET

9-II

Nest I.D. Hotel #10

Treatment Group E IMPL

Female:

Date Found _____

✓ Band 2011-22061

Status when found 1 Building, 11 kg ground keeper found.

Colors 190 SO Org-L, Black-R

Male:

✓ Band # 1050-61055-

Colors Lav-OS-R, 2 Blk/R + Pink-L

Loc. In Babine nest in arch above portico (facing woods)

Eggs laid 4

Hatched, Date exp 6/25

Date Incub. Onset 6/13

Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

6/10 One junco egg

6/11 2 junco eggs

6/12 looked twice but nobody on, did not check contents

6/13 ♀ on 3 junco eggs, Flushed ♀ - probable ED as Hk-9, EK confirms

6/14 flushed ♀ - 4 junco eggs! (2 on ground, 1 nest at, last one could be R).

6/18 4 eggs - definitely junco, ♀ on.

6/24 ♀ on, later saw ♀ together w/ ♂, very mild conflict w/ ♂ DK BLS-R at bottom of BK road - didn't see any fls., maybe heard them near the H₂O tanks

6/25 -25
6/26 - See Hotel 9

6/27 - D.D. nest work

6/28 weighed + proc. 4 young - nest could be taped - unstable

6/29 saw ♂ (bands seen) chipping at me around BK Tag 1

6/30 all OK - see Hk 9-R

7/1 MT/DC band 4 young: 50 DK GRN-L, YEL OR RED-, WHT OR DK BLU-, LAV-, ORG OR BLK-

7/1 one young found out of nest, red eye taken into hotel, Will Mung called station, EIC/UN visited + returned young to nest - One is in nest, at least 2, no idea how that young got out of nest

(laundry)

JUNCO NEST LOG SHEET

Nest I.D. Hotel 9-R Treatment Group E IMEL

Female: Date Found 5/6/89

Band 2011-22061 Status when found ♀ building

Colors Dk Grn O S O Org-L, Blk-R

Male: Band # 1680-61055

Colors Lav O S-R, 2 Blk/HT Laker-L

Loc. Hotel - wall on front of Main Lobby Bldg

Eggs laid 4 # Hatched, Date 5/25 ~ 5/22

Date Incub. Onset 5/13 # Fledged/Fail, Date 6/1 Fledged

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

5/13 Saw ♀ there ~ 5/6 - today she was seen on nest.

5/16 ♀ on.

5/17 incubation watch. ♀ on, no sign of ♂ - OK saw ♂ feeding at bait pile behind Richmond, note this is location of nest a ♀ is about to lay on 5/18 (see Hotel 19)

5/21 NESTWATCH → ♀ BROODING

5/25 ♀ BLEED, ♂ CT, IMPLANT MISSING, ZIG DIAMETER 2.800

5/22 ♀ on in A.M. looked dis- in nest with 4 eggs and incubating, is squirming

5/25 - Climbed up nest - 4 J. young day 4. Weighed 1. ♀ bled, CT w/ millet in trap ♂ CT, implants missing, re-implanted

5/27 Nest watch, both adults fed.

5/29 ♀ broody 1830

5/30 Did nest watch

6/1 Fledged Nest - CT + Bled ♀ - Did not get ♂. Banded + processed young.

6/4 FOUND FLEDGLINGS - ~~not bled~~ + yell/dk grn - fed by ♀, not ♂

6/5 Saw Pr. Foraging near Hotel 22 area. Both parents together, very defensive, ♂ sang a lot

♀ fed blk/white, ♂ + ♀ fed lav/blk, ♀ fed yell/dk grn 2x. ♂ sing, they may be more gery - it began to rain - there was a small black + white cat that was driving the birds crazy.

6/6 saw 3 - blk/whites, lav/blk, yell/dk green, ♀ fed 7x, ♂ did not feed. 1/2 hour watch.

6/8 Saw 3 ADULTS ♂ 2 FEMALE ♀ of area. 10 AM. OVER →

at 11:5 saw ♀ w/ young at end of hotel new wing see ♀ feed ♂ feed yell/dk grn

Hotel 7

JUNCO NEST LOG SHEET (CON'T)

DATE STATUS

= see back of second page for 6-9 → 6-11 =

- 6/13 Saw ♂ and ♀ together foraging. Mildly defensive (~~start~~) ^{♂ only} I think female feed yel/DkG ~~at~~ time in 25 min. Pair stays together the whole time I watched (25 min, then a few minutes 1 hr. later). No singing.
- 6/14 Saw ♂ feed Y/DkG and DBlk/whites. ♀ scarce, didn't see her.
- 6/15 Saw ♂ feed 2 blk/whites and lav/blk, also saw ~~yellow~~ ♀ and ♂, 5 kids in yard. ∴ 3 young to independence
 young are still begging, i.e., yell "chrip" a lot perched in tree and "made" to go down to forage for himself. Blk/whites fed her(?)self. ~~power cut~~
 power cut between hotel and BK road
- 6/18 ♂ a do defensive to fledgeling. Didn't see feeding. ♂ sings a lot at base of BK road.
- 6/24 ^{75 min} DID IN CUBATION WATCH. NO ♂ ANYWHERE (THAT I SAW OR HEARD UNTIL 7 AM) ♀ ~~WAS ON~~ ^{WAS ON} FOR A SIMILAR PERIOD.
 SAW LAV/BLK ALIVE + BIG IN BACK OF HOTEL WHERE ZIG + MIKE DOING FLEDGLING WATCH FOR HOTEL 22
- 6/25 Flushed ♀ off - 1/4 eggs hatched by ~ 1000 am. Did not catch her.
- 6/26 Tried in ~~vain~~ ^{vain} to catch either of the pair. ♀ chips w me from up on the bank!
- 6/30 DID NESTWATCH - WAS THERE 90 MINS, 40 MIN. GOOD DATA - 4 NESTLINGS, I THINK - ♂ FEEDING REGULARLY
- 7/15 FUDGE 50 BLK @ LAV/BLK ~~NEST~~ JT TAG 1

(Laundry)

JUNCO NEST LOG SHEET

Nest I.D. Hotel 9-89
Female:

Treatment Group F
Date Found 4/18/89

Band 2011-22061

Status when found Moss stage

Colors DK Grn O S O. Orng-L, Blk-R

Male.

Band # 1680-61055

Colors Lav O S-R, 2 Blk/HT Pks-L

Loc. In bank behind carport - Hotel

Eggs laid 4, 2 Taken by CBS # Hatched, Date exptd 5/11

Date Incub. Onset 4/29 # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

- 4/20 Nest complete today. Found it 4/18 - moss stage. 4/19 1 mod on 200, cat hair
- 4/24 Still no egg. ♀ carried more nest material (!)
- 4/25 egg 1, marked, saw ♂ foraging near Vally view in 1735 zone, 2nd nest seen ♀
- 4/27 Only 1 egg, I marked so CBS would have taken egg 1
- 4/28 a single egg and 1 ch egg, the marked egg was gone. 1735
moss had returned to 2nd nest. I did not see egg 1 or
know the ch egg
- 4/29 ♀ on - 4 eggs - 2 J, 2 CB eggs (same ♀), Wmm. ♀ off nest
- 4/30 ♀ on. The Gallery ♂ was here when she was off the nest. 1735 ♀ on 2 J, 2 CB
- 5/2 Found failed (2 eggs missing, 2 eggs (1 CB 1 J, smashed),
no development of embryos visible
- 5/6 Saw ♀ forage w front of Hotel - she hung around the wall nest 2 days ago &
chipped w me.
- 5/8 Looked into wall nest from Hotel - looks freshly lined w/ darkish grass. Saw the
pair at the Entrance way area.
- 5/10 Saw ♂ at Hotel entr.
- 5/13 She was on the wall nest

JUNCO NEST LOG SHEET

Nest I.D. Hotel-19-89 Treatment Group _____
 Female: _____ Date Found 7/19/89
 Band 202-09677 (09671) Status when found Incubating 3 eggs (J)
 Colors S o Org O Lt Grn-L, Yd/Blk-R
 Male: _____
 Band # 1680-61019
 Colors Lt Blv o Red OS-R, Lt Blv o Org-L
 Loc. Under sunset, in support Refers
 # Eggs laid 8 4 # Hatched, Date expected: 5/7 hatched 3/4, 5/10
 Date Incub. Onset? 4/25 # Fledged/Fail, Date 5/11 - Failed
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

- 4/25 Found ♀ incubating 3 eggs @ 1430(1)
- 4/26 egg 4 (all J eggs)
- 4/27 did focal ♂ visit: m ♂, ♀ incubating, ♂ courts UB ♀, still 4 eggs
- 4/28 did another watch, ♀ incubates > 2/3 of the time, no song: from ♂ or visits to nest, may have seen him once on 1 hr at Richmond
- 4/29 Did incubation watch, ♀ on, ♂ seen w/ UB ♀.
- 4/30 " " " " " " UB ♀ caught, has patch, ♀ on 1045
- 5/2 heard the ♂ has bad pox (missing tail), implants OK (large poking out, I pushed back) both ♀♀ seen (bands checked) feeding at Richmond bait pile - caught intruder ♂ (2021-0932) at 1715 ♀ on at 1715
- 5/6 Saw ♂ sing (w/ a ♀ - couldn't see her - it was snowing & windy) down behind Richmond @ ~ 1830. BAD weather.
- 5/10 3 hatched this a.m. - 1 egg unhatched. ♀ on. Saw ♂ down behind Richmond, led by w/ wv 570 ♂, a UB?, plus a couple of unidentified ♀♀. Saw ♀ near ♂. I think w/ wv 570 ♂, flew up over hill toward ♀ at 1715.
- 5/11 3 hatched (one gone, the one unhatched egg is still there, still in nest). There's no sign of any dead young.
- 5/12 ON EGGS COLD - PROBABLY DEAD
- 5/13 Egg cold - I took it. No sign of them.

H01-19

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
7/10	H01 90 ⁺ saw him tree next to Sunset smelt dab in middle of tm σ territory. where is he?
7/25	Zig at σ on WLS ~ tag 39, he caught the σ female seen at σ as 20 σ on GC tag 5 (hmm)

JUNCO NEST LOG SHEET

Gallery ♂

Hotel 22

Treatment Group T IMPL

Date Found 4/19/89

Band 2011-22068

Status when found ♀ building

Colors Red O S O Org-R, Org-L

Male.

Band # 2021-09261

Colors S O Org-L, white/Red-R

Loc. Hotel - Rock wall below Gallery

Eggs laid (4?) 3[✓] # Hatched, Date exp ~ 5/9-10 Deserted - 5/11

Date Incub. Onset 4/27 or 28 # Fledged/Fail, Date

Male Bled (Y/N), Date Implant Removed (Y/N), Date

Female Stayed/left

DATE STATUS

- 4/19 EK saw ♀ building.
- 4/20 bled ♀
- 4/21 still building (see forzi ♂), bringing hair from top of like ♂
- 4/22 no Δ, m egg
- 4/23 " "
- 4/24 " "
- 4/25 egg 1, marked
- 4/26 egg 2, " , CB egg which VN removed
- 4/27 egg 3, "
- 4/28 only 3 eggs but one is practically w/o pigment so suspect it is not from table one of eggs 1-3 removed ♀ incubating, we observed 1/2 hr heavy rain 1-4 PM, will rock wall provide sufficient cover? no CB egg get.
- 4/30 Did incubation watch - ♂ around, w/ ♀ when she got off & then was at Hotel 9 & 5 nest when she was off.
- 5/4 VN inspects all 3 eggs, they have not developed.
- 5/8 watched nest - it's OK.
- 5/10 ♀ on
- 5/11 ♀ on this am, Eigt Dan watched nest; ♀ incubated for 20 min, then did not return - (stayed around w/ ♂) 1930 - eggs cold.
- 5/12 eggs cold ♀, ♂ BENIGN-HOME VEHICLE ♂ YERKIZAN @ YERKIZAN OS C - & other ♂ INCUBATING.
- 5/13 Found left nest. Took out 3 J. eggs - one had a hole & was leaking hmm.

JUNCO NEST LOG SHEET

Hotel 22-R

Treatment Group _____

Date Found 5/13/89

Band 2011-22068

Status when found ♀ building Grass

Colors Red O S Org - R, Org - L

Male.

Band # 2021-09261

Colors S O Org - L, Wht / Red - R

Loc. In old Robin's nest ~ 20ft up, in vines in corner of Hotel at Dining Room window

Eggs laid 4 # Hatched, Date exp ~ 6/1

Date Incub. Onset ~ 5/20 # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

5/18 in swallows nest? anyway no sign of her in several times. ← all looked

5/22 ♀ on

5/25 Looked in nest 4 J. eggs, 2 CB eggs - developed. Took out CB eggs.

5/29 ♀ on 1830, ♂ feeding behind maintenance shed, bathing too

5/30 ♂ waters (urks) condopair as they feed. ♀ has puffs, has several waterfalls with condopair ♂ and chases him - uphill behind maint. shed

5/31 saw ♂ + ♀ behind service shed, ♀ acted flirty (chipped when she changed perches & strilled when she flew over. posture not looked like copulatory) has he been fed? (I mean worry food I have been calling or stuck in the rock a hair.)

6/1 WATCHED NEST FOR 20 MINS.; NO FEMALE @ NEST; ♂ SANG CONTINUOUSLY IN TREE NEARBY (PRESUMED TO BE PROPER ♂ - COLORS NOT SEEN) - 1:11 PM (1800) ♀ on, look "uncomfortable" ♂ ♀ have well nestings. NOTE ♀ chirps as she flies in ♂'s presence

6/2 Nest watch, both parents fed.

6/3 Weighed young - Day 2-3?

6/5 Watched Nest. ♂ fed alot. Ct + Bled him - Both implants perfect.

6/8 OK and water, both adults fed

6/11

6/30
6/17

Hotel 22-R
CONTINUED

JUNCO NEST LOG SHEET (CON'T)

DATE STATUS

6/13 EK seen roo, yel/dk bl, white/dk bl

6/14 ♂ feeds dk bl/white, ♀ carries food, I saw no/bk, dk grn, yel dk bl, i.e. alive note dk grn looked at it it could not fly, ^{ally}

6/15

6/16

saw all but dk green at 1145 lake side of ent. lawn, ♀ there, ♂ not

6/18

Saw Dk Grn, Red/Blk, and one or both of yel/bl and wh/dk bl. in woods behind shed, both fed.

6/19

LW/MT saw both parents feed, saw well 4 young in Am. 2 of did fledgling watch.

6/22

SAW @ LEAST 2 FLEDGLS., POSSIBLY 3 - IDENTIFIED DK GRN ONLY; ♂ + ♀ SEPARATED, ♀ FOLLOWED BY A PERSISTENT + LOUDLY BEGGING DK GRN; ♂ LOST SIGHT OF, BUT SEEN FEEDING 1 OR 2 OTHER FLEDGLINGS ~~BEFORE~~ BEFORE DISAPPEARING (OTHER FLEDGLING LONGER SEEN BRIEFLY WAS EITHER YEL/DK BLU, OR, MORE LIKELY, WH/DK BLU - NOT SURE WHICH) - SIGHTINGS WERE BEHIND MAINT. SHED

6/24

ZIG + MIKE DID FLEDGLING WATCH, 1/2 HR. - SAW ALL 4 FLEDGLINGS, ♂ FED ALL 4, ♀ NOT SEEN, ♂ SANG 60/30 MIN. - ♂ FEEDINGS @ LEAST ~~23~~ 23X

6/25

looked for nest - not under gallery or on wall or in vines

6/26

SAW ♂ FEEDING FLEDGLINGS AGAIN (FLEDG. ALSO FORAGING INDEPENDENTLY SOMEWHAT)

SAW RED/BLK, WH/DK BLU, YEL/DK BLU - DID NOT STAY LONG; DK GRN PROB. AROUND

FLEDG. STRONG, FOLLOWED ♂, GOOD FLYERS - ♂ DID NOT ALWAYS FEED WHEN APPROXIMATED

SAW YEL/DK BLU + DK GRN + OTHER 2 (UNID.) - ONE MIGHT HAVE LOST ITS

BAND - ♂ NOT SEEN - ALL FORAGING TOG. LOOK STRONG + RELATIVELY INDEP.

6/30

♂ Sing alot around gallery - looked for nest - no go!

7/1

EK/VN look for nest too, no luck

saw dk green
was with 10v/blk from Hotel 9

7/3

red/blk (R) ♂ fledgling a permanent fixture on the gallery porch! Residents say it will eat out of your hands!

I checked him/her out + it is really quite tame!

7/4

EK seen ♀ incubating in old nest site LW + EK had looked earlier + not seen her there so she must have just begun incubating

7/6

4 J EGGS, FLUSHED ♀ WHEN CHECKING

Hotel 22 II

← New sheet

8/1

LT RED/BLK JUNCO IN TAIL CANT

JUNCO NEST LOG SHEET

Nest I.D. Hotel 22 II Treatment Group E
 Female: _____ Date Found 7/16
 Band 2011-22068 Status when found ♀ incubating
 Colors Red O S O org-(B) org L
 Male: _____
 Band # 202109261
 Colors S G org(D) WHT/RED-R
 Loc. Hotel - Rock wall below gallery
 # Eggs laid 4 # Hatched, Date _____
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

7/7 too bad she got a whole newsheet because her nest failed this morning - first ^{earlier} ~~earlier~~. As I was watching ~ 10:40 a squirrel ran up vines into nest ~ 5 secs ~~later~~ later ran down again & into a hole in wall very close. Earlier I had seen ♂ and juvenile BK OS, red, foraging together. when adults took off juvenile flew off after them and they made a circuit around building of hotel & landed back in tree in front of nest. 30 mins later I saw squirrel. ♀ never went to nest at all which is why I think ~~she~~ it had already failed and squirrel was just returning for left overs.

Summary: it failed.

7/8 saw ♀ foraging near nest in tree, as gallery, as kitchen, on wall behind like kitchen, no ♂ with her. ♂ in observing Hotel 9 ♀ + ♂ + offspring. He hangs close to Hotel 9 family + makes high pitched chirps. Is it possible her ♀s nest has not failed?

7/14 SAW THE ♂ TODAY W/ SOME ♀, DID NOT GET COLORS - BEHIND HOTEL ON EDGE OF WOODS - SAW THE HOTEL 9 ♂ THERE TOO, NO AGGRESSION 7/16 had ♂ sitting, saw him eating on rock wall

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS	
		Nest did not fail as expected previously supposed.
7/17		oh, well forget the "it failed stubb". I did a nestwatch on them today! ♀ fed 17 times ♂ fed 7 times. The oldest they could be is day 9-10.
7/18		a.m. not fledged yet. p.m. (520) still not yet. still being fed + excluding fecal sac
7/19		Fledged 4 Young, banded & processed them. Cf. & Bled ♀, but could not get ♂. He sang alot when young were in trap at nest, showed alarm & distraction display when young screamed, but did not go to trap to feed. Returned 1 <u>very</u> undeveloped young to nest (looked like ~ day 9).
		in PM (1930) ♂ sang a lot! ♀ + ♂ showed alarm. ♀ fed a young in nest. She also showed alarm from near the maintenance building. I thought I had one on lawn in front of nest but could not find it ∴ probably at least 3 alive but not very certain
7/20		DID 60 MIN FLEDGE WATCH, SAW 2 FLEDGERS. 2 YER @ 2 LAV.
		NICE DATA.
7/24		FOUND BRN/BLK NESTLING BELOW NEST, DEAD - ALL DEVELOPED - FEATHERS HAD GROWN
7/25		SAW 2 FLEDGLINGS: 2 LAVS, 2 LT GRN/REDS; ADULTS NOT EXTREMELY ALARMED
7/23		ZIG WATCHED, SAW ALL 3 "FLEDGLIES"
7/26		
7/29		Fledging watch - ♂ Feeding constantly, a law, a yel seen, ♀ not involved w/ fledging at all. seen on path behind gas tanks. ♀ was there, just not interested in young
7/31		removed both implants, some honore remaining, 22.3g
8/1		could not find fledglings or parents
8/3		
8/3		Saw all three - Didn't see ♀, ♂ fed. In front of hotel
8/5		SAW 2 FLEDGLINGS FORAGING IN DRIVEWAY IN FRONT OF HOTEL: 2 LAVS, 2 LT GRN/REDS

(E)

JUNCO NEST LOG SHEET

Nest I.D. Hotel - 23 - R

Treatment Group _____

Female:

Date Found 7/20

Band 2001 09621

Status when found 2 developed eggs

Colors lt Blu / dk Blu - R SO red o dk gm (L)

Male:

Band # 2001 09525

Colors S O Red o Dk Blu (R) lt gm / red (L)

Loc. in hill in front of hotel after path

Eggs laid 2 present ? # Hatched, Date 7/23

Date Incub. Onset _____ # Fledged/Fail, Date 8/3 - 2 Fledged

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

7/20 Mike found 2 eggs in nest. ~~possibly~~ found up to 1 week ago by hotel employee

7/22 INCUBATION WORK DONE. No male in obvious sight.

7/23 one egg hatched by 2 pm. ♂ singing near by ♀ was on. at 2015 ♀ on again, second egg had hatched 2 young

7/24 Nest watched for 90 mins. Each fed 2nd per hour, 2 young accounted for + alive.

7/26 weighed 2 young SAR 7pm.

7/27 Nest watch day 4. ♀ fed once in 90 mins. he fed 3 times.

7/28 2 NESTLINGS Banded + weighed; flushed ♀, saw ♂ carrying food + feed AFTER I LEFT

8/3 Dan watched nest - ♀ fed only 1x in 1 hr. Mike + Lu went to fledges at 1040, but both young had just fledged. Ct + processed them. Ct + bled ♀ - not good for Cort - couldn't get ♂
They were disturbed by guests the whole time.
Later saw pair together - alarmed - in tall grass area near lake

JUNCO NEST LOG SHEET

Nest I.D. H1-23 Treatment Group E IMPL
 Female: Date Found 5-18-89
 Band 2021-09621 Status when found very new start, a little moss.
 Colors lt bl/lt br - R, so Red / light - L
 Male: Band # 2021-09525
 Colors so Red / lt br - R, light / lt - L
 Loc. Bank ^{Below} behind Condo. in immediate
 # Eggs laid _____ # Hatched, Date _____
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

- 5/18 found, a little moss.
 5/19 maybe a little more moss, no one else thinks it's a nest.
 5/23 Moss nest today - right near flag in bank.
 5/24 I saw a junco violently chipping near nest for no apparent reason (while I was doing bank road watch). Nest is built up a bit, but nowhere near done. lacks lining. In PM VN + EK saw this ♂ in full flight with cr. do ♂ (1120-27640);
 5/25 still no lining. Zig saw this ♂ chase a chipmunk for 1/2 hr.
 5/25 Saw female w/ nesting material in mouth ~ 7:45 pm. male singing in immediate area of nest.
 5/27 ^{still} egg in nest, I'm afraid it has been deserted
 3/29 no Δ, it's not going to be completed
 6/8 VN spends 25 min with two ♂ at the Lake Cottage, say ~ 5 songs, probably mated
 6/11 the ♂ (band) came say a lot from rhododendron near lake cottage
 7/9 played flighty screams to a ♂ singing at edge of parking lot near condos. The ♂ approached & showed alarm or at least intense interest. does this mean that the ♂ has had young??
 7/19 heard song from the ♂'s territory but not seen
 7/20 ♀ ON 2 DEVELOPED EGGS; NEST ON LAWN BANK; EMPLOYEE @ HOTEL SAID HE FOUND NEST ~ 1 WEEK AGO W/ 2 EGGS
 - LATE INC. PROB, NO PIPPING

7/17

Hotel Q4-R

7-31 Val of 2 Red/Lt Grns at Condo - says no molt
 8/1 CT 2 RED/LT GRNS (JUV) IN PARENTS TERRITORY - WELL INTO MOLT, NEW FEATHERS
 3/4 LENGTH

8-2 Val of 2 Red/Lt Grns at Condo - says no molt.

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
7/7	<p>nest work - ♀ fed 18 times (3 nestlings) and ♂ fed 14 times. He kept in close guard of nest though. Dad ♂ fed less because of having been injected?.</p>
7-8	<p>Young fledged themselves. Ct 2 unbanded and banded them. couldn't catch parents or banded fledgeling later in evening 1930, found 3rd fledgling subgrn blk. It had a broken wing so I <u>declared it dead</u> and brought it back to the lab to be <u>hard-reared</u> in the lab.</p>
7/9	<p>saw based on parents' alarm, there is at least 1 young adult</p>
7/10	<p>Saw both parents and one fledgling (red/lt grn) ^{on} upper jungle trail tag 1. Male was singing both there and closer to hotel direction but still on WT. It was very windy + sounds were hard to hear. I got the impression there may have been another fledgling in area but all I kept finding (2 in 15 mins) was the above mentioned.</p>
7/12	<p>couldn't find family, 7-14 - couldn't find them</p>
7/15	<p>Found both parents w/ 2 red/lt Grns Young. ♂ fed it - very mobil - at least 1 young maybe only b ♂ chased other ♂ in woods, who was court.</p>
7/16	<p>a.m 1050 1120 no sign on trail itself. shall check in P.M. found 2 red/greene on tag 3 JT with ♂, ♂ showed alarm, <u>no</u> sign of ♀.</p>
7/9	<p>looked for nest in junipers no find</p>
7/21	<p>♀ still in company of 2 red/lt grn juv, but in area of her previous nest. ♂ sang nearby. She was defensive of juv. He was not, he just sang. ct ♂ 7/21 wt = 91.8g 1055 a.m</p>
7/22	<p>CHECKED FOR NEST IN HEMLOCK - NO GO FOUND 2 RED/LT GRNS AMONG A FLOCK OF JB JUNCS ON HILL IN WOODS ABOVE CONDO FLEDGLING FORAGED ON ITS OWN, NO SIGN OF PARENTS - <u>INDEP</u> TODAY</p>
7/23	<p>saw ♂ uphill from condo parking lot, did not see young but could have ^{seen} trail</p>

TDP
 ↑

JUNCO NEST LOG SHEET

2 label water

Nest I.D. Hotel 24-R Treatment Group E IMPL
 Female: _____ Date Found 6/13/89
 Band 1750-64548 OLK Status when found eggs
 Colors So dk green red-L white-R
 Male: _____
 Band # 1720-27660 ← looks like dk blue/wh these days.
 Colors red dk blk os-R dk bl/pink-L
 Loc. in juniper in front of middle 1/2 condos between levels - on N side of
 # Eggs laid 5 # Hatched, Date 6/27 or 28 fly in x
 Date Incub. Onset 6/15 # Fledged/Fail, Date 6/29 or 30 side walk in
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

- 6/13 first nest in junipers, con. all 5 sign marking, first see 2 J eggs, 1 CB, cold + wet so incubation not yet begun
- 6/14 3 J. eggs, 1 CB egg - cold, cannot find over nest, see did not see
- 6/15 4 J, 1 CB egg - ♀ on see different (cold) features
- 6/16 ♀ on 1045
- 6/20 5 junco eggs (!) and a CB egg, I removed the CB egg, less looks different from the others, less pigment
- 6/21 did incubation watch. ♀ HAS A DIFFICULT TIME TAKING TO GO DANCED NEST WITH ALL THE SERVICE PEOPLE? QUESTIONS
- 6/25 all OK - 4 eggs. See Hotel Condos for today - (I BET THIS SHOULD BE 5 J EGGS)
- 6/27 5 EGGS (1 CB?) - STILL INCLUB. - ♀ HAS LOST WHITE BAND ON RT. LEG; ♀ STILL HAVING TROUBLE GETTING ON NEST
- 6/29 3 HATCHLINGS (1 CB?) + 2 J EGGS - PROB. 6/25 REPORT WAS INC, SO 3 J HATCHLINGS, 2 J EGGS; NESTWATCH DONE; NET SET UP, BUT NO LUCK WATCHING - PR. STAY HIGH WHEN APPROACHING NEST; ♂ BOUNCED OUT OF NET IX; WHILE WATCHING NET, SAW ♂ DO LOTS OF NEST GUARDING (15-20 MINS.); ATTACKED CH-MUNK DURING WATCH; ♀ CHASED INTRODUCER J AFTER WATCH; ♂ FEEDING
- 6/30 Tried to bleed - no catch. 3 young hatched - 2 unhatched - 1 underdeveloped other dark. Took out under. egg out.
- 7/1 3 J YOUNG STILL, 1 EGG UNHATCHED - REMOVED; NO LUCK BLEEDING (WATCHING, THAT IS) Still 3 young at 1908
- 7/2 3 YOUNG WEIGHED + MANICURED
- 7/3 3 J did nest watch
- 7/6 ♂ + ♀ bud for 2-label H₂O, replaced white on ♀'s leg, 3 young ♀ kept + young well when I checked at 1930
- 7/7 banded one nestling but it was way too large + fishy for day 6-7!

JUNCO NEST LOG SHEET

on underdeveloped

Nest I.D. Hotel 24 Treatment Group _____
 Female: _____ Date Found 5/24/89
 Band 1750-64548 Status when found egg
 Colors sd dk green ^{ov} - L white - R
 Male Band # 1720-27666
 Colors red oblt as - R dk bl/pink - L
 Loc. in juniper in front of middle 1/3 of cordes between levels (see map on reverse)
 # Eggs laid _____ # Hatched, Date _____
 Date Incub. Onset 5/24? # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE	STATUS
5/24	found nest, 3J eggs, 1CB, looks fresh, ♀ incubating, should check for egg 4 on 5/25 ♂ fights with late cottage ♂ (Hotel 23) who has a ♀ with L building
5/25	still 3J eggs, 1CB, ♀ on. 3J did incubation on watch - very dull. U. ♂ at JT tag 1, med. clo pro, implants OK
5/27	♀ on 0715, 3J 1CB, I can't really tell whether J eggs look developed or not
5/29	♀ on 3J, 1CB eggs, I removed the CB egg
6/1	" " "
6/6	SR + MT report 1 hatching, 1 J egg at 0815. Ct ♀ & bled her.
6/7	Failed - no hatching, 1 J egg. ♀ not seen, ♂ in woods between 2 JTs, near parking lot, singing. underdeveloped - ET opened the remaining egg - it also has suggest mating with a T-implant neighbor !!!
6/13	found nest (probable) with 2 J egg 1CB - see Hotel 24-R also 1CB egg has been laid in the old JT24

polygyny?

JUNCO NEST LOG SHEET

Nest I.D. Hotel 25 Treatment Group _____
Female: _____ Date Found 5/30/89

Band 2011-33011 Status when found _____

Colors yellow) O lt blue - R blk^o Pink OS - L

Male. _____
Band # _____ ?

Colors _____

Loc. behind maintenance

Eggs laid _____ # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

5/30 flushed ♀ of nest 15 eggs (very fresh) 2 CB, later eggs were cold so
I think this not incubating yet. Cordis ♂ perched
near her today puffed & exhaled. He + gallery ♂
(Hotel 22) are the only ♂ I've seen here in
last 5 days or so since Cordis nest fledged.
Polygyny? I've seen a ♀ before but this site
was I can't remember who she was with

5/31 just 2 CB eggs, ♀ on, clipped for white fern
fever uphill - no ♂.

6/1 STILL 2 CB EGGS, COLD. ♀ NOT SEEN (WATCHED 20 MINS.). ♂ SEEN PERCHED
ON MAINT. SHED + EATING GRAVEL IN DRIVEWAY IN FRONT OF NEST:
COLORS LT BLU/DK BLU O S - R, 2 WH/DK GRNS - L (almost certainly Cordis ♂)

6/4 2 CB eggs, cold. Saw WR OS ♂, W/R - R bathing + preening near nest
(directly behind shed ~ 20 ft. from nest) saw WR OS ♂ +
L. ♂ + I looked for the ♀ and couldn't find it. 6/12 R
later: eggs disappeared by 6/6

6/24 ♀ SEEN TAKING BATH RIGHT BELOW OLD NEST SITE (MAINT. SHED) ~~♀~~
* COINCIDENTALLY, I SPOTTED HER WHILE I WAS FOLLOWING HOTEL CORDIS ♂, WHO
WAS SINGING IN A TREE A WAY ABOVE HER

JT2SR3
JUNCO NEST LOG SHEET

Nest I.D. JT2SR, JT2SR2 Treatment Group T impl
 Female: Date Found 5/20
 Band 2031-09201 Status when found building
 Colors 2 lt grn / base OS-L 2 y b-R
 Male: Band # 1750-64410
 Colors SO dk bl O Lt RL-R yet-L
 Loc. JT try 22, downhill bank, on ground, under f
 # Eggs laid _____ # Hatched, Date _____
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

5/20 ♀ building
 5/21 looks complete in PM but ♀ still building
 5/24 still empty
 5/27 " "

5/30 still empty - did it fail? In any case (i.e. during so deserted so it failed) VN's I saw I carry nest to new nest downhill from try 21, 1215, new nest

7-14 Eileen found a nest w/ fledgelings emerging. Ct. 3 of 4 - proceeded at lab and returned. Nest tag 20-21, downhill bank.

7/25 SAW BOTH PARENTS - THEY CHIPPED @ ME AGGRESSIVELY; THERE WAS A LOT OF MOVEMENT IN AREA - I THOUGHT IT WAS A FLOCK OF JUNCS, BUT PROBABLY IT WAS THEIR FLEDGLINGS

7/26 saw parents 400' at JT try 25. saw 2 lvs and (I think) 2 ad. This is 4 at 12:00, probably more

7/30 FLEDGLING WATCH, SAME PLACE, FOUND 2 LVS + JB, 45 MIN. (DAY 16)

JT25

JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
5/18	^{Incub.} D. almost washed, still 4 unhatched eggs.
5/19	nest destroyed, no eggs. slight chipping (pathetic) from above tree.
5/17	ct ♂ JT 22, big clo pro, both implants O.K.
5/20	saw ♀ building, moss 'roots' ~ 1200, downhill bank, ~ by 22 ovula not hatched, ♂ present, he sang, both chipped
5/21	found nest, saw ♀ full hair, ♂ chipped as V.N. m, ♀ Went away. stopped

see JT 25-R

JR20R

JUNCO NEST LOG SHEET

1 hatch
3 underdeveloped
J egg, 1 underdeveloped
CB egg

Nest I.D. ~~XXXXXXXXXX~~ JR26, Treatment Group T impl
Female: Date Found May 16, 1989

Band 1720-27697 Status when found 4 junco eggs

Colors SOBOLY-R, Y/DLBB-L

Male: Band # 2011-22898

Colors SODRBLW-R, Red-L

Loc. Between two Junco trails, in ground, near shrubs next to pile of rocks
were tray with at the horse barn

Eggs laid 4 # Hatched, Date

Date Incub. Onset ? # Fledged/Fail, Date

Male Bled (Y/N), Date Implant Removed (Y/N), Date Y

Female Stayed/left

DATE STATUS

5/16 Found, 4 junco eggs
5/17 had 1 CB hatchling, 1 CB egg, 3 dead-looking junco eggs, we took one dead J egg for inspection, 1700, sawbanks of both parents both reacted

5/18 D-d nestwatch. Still the same residents.

5/19 D-d nestwatch, still 1 cb. - 1 cb egg - 2 j-eggs.

5/20 I took CB yolk + remaining egg. Vn opened eggs on 5/23 1 clearly not developed, other 2 not so clear, probably not but could not be certain. Note 1 CB egg clearly not developed suggesting ~~weather~~ weather not in fertility as cause of no development. Failed

5/23 vn reports ♀ chirping, thinks he knows location of nest.

5/27 I J egg. Nest looks dirty.

5/30 vn + I flew ♀ off ground as a sign very near the old nest, we could not find it, ♀ chirps. ♂ is singing from sign near tag 30 on the main JT (birds not seen). I returned in PM find nest JR20R
air pile with chicken wire

on ground under oak up JT found

first is in pairs to nest when fence is behind you 4 J eggs, 0 CB
very little pigment beyond weather. ♀ was on, eggs look fresh (or underdeveloped)
♂ CT ON JT BET. TAGS 26 + 27 IN BAIT TRAP → OFF TERRITORY

6/2 4 junco eggs, ♀ on, ♂ sings a lot in woods above UJT (opposite direction)
6/5 empty - failed 7/17 ct ♂ end of JT, dirt piles, removed small from JT, long

JUNCO NEST LOG SHEET

Nest I.D. J128 Treatment Group E IMPL
 Female: #2021-09719 Date Found 5/27/89
 Band ~~2021-09719~~ Status when found ♀ incubating 3J, 2 CB egg
 Colors SO Org O white, Lt gm/Org Lt gm? -L ~~2021-09542?~~
 Male. SO Red outside R, * - actual ♀ Fertile
 Band # 2011-22015
 Colors SO Lt blue O orange - R dk pl/white - L
 Loc. JT, Tag "10-11", in bank
 # Eggs laid _____ # Hatched, Date _____
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

2021-09719 →
 (From map)

DATE	STATUS
5/27	Found nest - ♀ chipped alot. Took out the CB egg. Not Good look w left leg.
5/30	♀ on 3 junco eggs, flushed + chipped, ♂ flew + chipped too, ♂ seen clearly, ♀ should be confirmed
5/30	flushed ♀ - SO Org O white from nest ♂ cl. at tag ♀, implants. Brought in for 2H2O inj. ♂ on - not injected.
6/1	3 eggs; ♂ cl. for injection for 2 local water, returned 1730, ♂ ok, I am
6/2	3, no eggs, ♀ on - ♂ recaptured + bled
6/3	Nest Empty - <u>Failed</u>
7/26	saw ♂ (right leg only has given location and small # of alt possibilities I feel certain was it was) 1st was at up JT tag 11, responded strongly to ♂ song type

JUNCO NEST LOG SHEET

Nest I.D. JT 29 Treatment Group T IMPL
 Female: _____ Date Found _____
 Band 2021-0932 8 Status when found 2 egg 198 15
 Colors 27/28-R so dk green 0 lt green -L
 Male Band # 1720-27862 ← →
 Colors SO grey 0 blk/lt green -R red/lt green -L
 Loc. JT tag 15-16 uphill bank
 # Eggs laid _____ # Hatched, Date 7/13
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date Y, 7/19
 Female Stayed/left _____

DATE STATUS 5/24 saw start on bank. 5/25 DPC said looked nest-like

5/30 ♀ here (can't remember if I flushed her), I marked her Jegg, a ♂ sang nearby. UI his probability 1720-27862 so grey 0 blk/lt green -R red/lt green -L but check to be confirmed

5/25 ct ♀ at tag 18, smooth patch, w. 26.9 grams!
 saw ♂ 1720-27862 and ♀ 2021-09328 chirping above nest start

6/1 3; eggs, 1 CB, ~~both on eggs~~

6/2 "

6/3 ♀ on

6/4 " "

6/8 ♀ on 2; eggs, 1 CB, both ♂ + ♀ chirp - ♂ sing a bit nearby

6/9 " " "

6/13 Failed - Nest empty, intact, dirty, part of CB egg shell on bank.

7/19 ct JT (17), both implants removed, T,

7/21 Both pair foraging together at tag 15 net. Immediately previous to this

7/24 ct ♀ in net; heard ♂ chirping + singing while I was handling her

8/3 saw ♂ at JT tag 14, flicked another J twittered back

JUNCO NEST LOG SHEET

Nest I.D. HORSEBARN III

Treatment Group NO IMPL

Female:

Date Found 7/17/89

Band 2031-33101

Status when found COMPLETE NEST, 1 FRESH ^J EGG

Colors S O DK GRN O RED-R, BLK/LT BLU-L

Male:

Band # 2011-22595

Colors 2 ORG/YELS-L, 2 DK GRN/LT GRN O S-R

LOC. HAYLOFT, BETWEEN MAYBALES, IN FRONT OF STAIRS AS YOU'RE WALKING UP

Eggs laid 3 # Hatched, Date EXP 7/31 3 hatched

Date Incub. Onset 7/19 # Fledged/Fail, Date _____

Male Bled (Y/N), Date Y-8/2 Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

7/17 PARENTS STILL ATTENDING 2 FLEDGLINGS (INDEA) JUDGING BY SOUND COMING FROM WOODS; NEST HAS 1 FRESH J EGG TODAY

7/19 EGG 3 (J) - ♀ ON

7/20 STILL 3 EGGS, WARM

7/22 " " " " INCUB. WATCH - ♀ INC. FOR 56 MINS. STRAIGHT, ♂ SANG SOME. GONE FOR 56 MINS. - FEEDING FLEDGLING STILL?

7/23 SAME STATUS - 3 EGGS, ♀ ON

7/25 ♀ ON

7/26 ♀ ON - CT HER IN NET, WEIGHED 24.3 g

7/30 3 VERY WARM EGGS, 1 HAS PIPING IN AM

8/1 3 HATCHLINGS @ 815 → 7/31 MUST HAVE BEEN HATCHING DAY (0)?

8/2 CT + Bled ♂.

8/3 CT + Bled ♀. 3 Young - biggest ~~was~~ very small in am.

8/4 3 YOUNG WEIGHED + MANICURED: 2 LOOK LIKE DAY 4, 1 DAY 3

8/6 3 YOUNG BANDED: SO DK GRN-R, 2 ORG/YELS/RED O LT BL, LT GRN/BRN; LAST ONE LOOKED LIKE DAY 4, WHILE OTHER 2 DAY 6; SMALL ONE BANDED ON OPPOSITE LEGS (i.e. S O DK GRN-L, LT GRN/BRN-R)

JUNCO NEST LOG SHEET

Nest I.D. HORSEBARN II

Treatment Group NO IMPL

Female:

Date Found 6/24

Band 2031-33101
3340

Status when found 7 NESTLINGS DAY 6-7

Colors 5 0 DK GRN 0 RED-R, ^{BLK} DK BL/ LT BLU-L

Male:

Band # 2011-22595

Colors 2 ORB/YELS-L, 2 DK GRN/LT GRNS 0 S-R

Loc. HAYLOFT, BETWEEN SOME BALES OF HAY (FLAGGED)

Eggs laid 7

Hatched, Date ?

Date Incub. Onset -

Fledged/Fail, Date -

Male Bled (Y/N), Date -

Implant Removed (Y/N), Date -

Female Stayed/left -

DATE STATUS

- 6/24 NEST FOUND W/ DAY 6-7 NESTLINGS - Banded:
 5 0 DK GRN-L, DK GRN-, LT BLU/RED-, WHITE/LT GRN-, RED/BLK-R
 BOTH ♂ + ♀ CARRYING FOOD, FORAGING IN PARKING LOT NEAR PART-O-LET
 6/28 4 FLDG. FLEDGED; ♂ + ♀ CTV + BLED (IN NET) (young put outside barn, net in loft)
 6/29 FLX watch, SAR, only 2 seen, ♂ taking charge of WH/LT GRN
 and ♀ Red/LT BLU, although ♂ seen feed both. He turned
 up because she was chipping at me, so he fed fledge.
 7/1 FLEDGLING WATCH: SAW WH/LT GRN, RED/DK GRN; ~60 MIN. WATCH
 7/2 WOMAN FROM STABLES SAYS PARENTS REBUILDING... HMM...
 Saw white/LT GRN, both parent still very alarmed.
 7/3 FLEDGLING WATCH, 20 MINS, SAW WH/LT GRN + RED/DK GRN, BOTH PARENTS FEEDING
 7/5 SAW ONE OF PR. IN HAYLOFT, CHIPPED @ ME - LOOKED FOR NEST, BUT LOTS OF POSSIBILITIES -
 REBUILDING? - TRIED FLEDGLING WATCH, BUT WEATHER PROHIBITIVE
 7/7 FOUND 2 FLEDGLINGS: WH/LT GRN, RED/DK GRN; NEITHER PARENT SHOWED
 MUCH ALARM; TOUNG HIGHLY MOBILE + BEG LOUDLY, FOLLOW PARENTS (30 MIN. WATCH)
 BOTH PARENTS FEEDING SUBSTANTIAL AMOUNT, ♂ SAW ~6X
 7/11 SAME 2 FLEDGLINGS, WELL CARED FOR, FORAGE RELATIVELY SUCCESSFULLY ON THEIR OWN,
 STILL FED BY PARENTS, ♀ > ♂
 7/14 SAME 2 FLEDGLINGS: WH/LT GRN, RED/DK GRN - NOW IN DEP. - PEOPLE IN BARN SAY
 ♀ RE-NESTING
 7/22 SAW RED/DK GRN AMONG A FLOCK OF JB JUNCS IN SAME AREA TO NORTH OF
 HORSEBARN IN WOODS; FORAGED FOR ITSELF, NO SIGN OF PARENTS (♀ INC HB III)
 7/25 SAW WH/LT GRN FORAGING @ A NET - NO LAPTURE (NET SET BEHIND PARKING LOT)

~~ACTUALY DK GRN - SORTA ABOUT THE RE-PETITION OF COLOURS~~

JUNCO NEST LOG SHEET

Nest I.D. Horse barn itself Treatment Group not implanted
 Female: _____ Date Found _____

Band 2031-3340 ¹⁰¹ Status when found _____

Colors SO dk green/red-R dk blk/lt blk - R

Male Band # 2011-22595

Colors 2 dk grey/lt grey - L 2 dk green/lt green - OS-R correct ✓
↓
check nest

Loc. Horse barn - ~~XXXX~~

Eggs laid _____ # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date as per 7, 5/28-30

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

5/17 found nest, ♀ gave extreme distraction display, no c display (no yest)
 ♀ flew down from up making hissing sound, did 2x, then dropped to ground to do typical distraction display. ♂ gave male wilder reaction.

5/25 ♂ singing very high in tree next to barn. (he had a strange beginning of his song)

5/30 I fledgling had already returned, ut caught it in one of the horse stalls & banded it. no. ~~found~~ as it ♀ outside barn and she fed it. ♂ sing alot & defend, not seen to feed yet. ♀ horse assistant said she'd seen her yesterday, Lewis said he thought he'd seen it on Saturday.

5/31 Mike & Don got only mild rx to type of fledgling screams, is young dead??

6/3 fledgeling still not seen. ♀ horse assistant said birds are trying to build a nest above the office in the barn.

~ 6/7 VM & EK got ladder & climbed around but could not find nest. Susie, however, (one of the ♀♀ who works at barn) says she saw a junco carry nesting material - ?

6/24 NEST FOUND IN HAYLOFT OF BARN - 4 NESTLINGS ~ DAY 6-7 BANDED
 S O DK GRN - L, DK GRN -, LT BLU/RED -, & WHITE/LT GRN; RED/BLK - R;
 BOTH ♂ & ♀ CARRYING FOOD - ~~XXXX~~ FORAGING IN PARKING LOT BY PORT-O-LET

JUNCO NEST LOG SHEET

Nest I.D. GC 15 Treatment Group _____
 Female: _____ Date Found 4/ _____

Band 2031-33498 Status when found ♀ PUTTING IN GLASS PANTRY
COFFIN

Colors L T B L O O K O L / W I R (C) W I C O S (C)

Male. _____
 Band # 2011-22201

Colors L A V O R E D O L A I (C) W I A O S (C)

Loc. GC TAG IN BANK ON FAIRWAY SIDE

Eggs laid 3 # Hatched, Date 5/15 or 5/16

Date Incub. Onset 5/2 # Fledged/Fail, Date _____

Male Bled (Y/N), Date 5/16, Implant Removed (Y/N), Date _____

Female Stayed/left _____

<u>DATE</u>	<u>STATUS</u>
4/29	ONE EGG
4/30	TWO EGGS
5/1	TWO EGGS
5/2	♀ INCUBATING - PLUS NO OFF 13995
5/12	EGGS WALK ♀ TO PILE
5/16	3 EGGS P30, 2 EGGS OPAQUE 530
5/16	Big watched Nest, then LW ct pair (separately) & bled both - ♀ wt = 20.9, ♂ wt = 21.6.
5/18	2 eggs, 1/2 hr. incubation watch, no action
5/22	REMOVED 2 EGGS. (ONE WAS OPENED IN LAB & DIVORCED)

JUNCO NEST LOG SHEET

Nest I.D. GC-16C Treatment Group E IMPL
 Female: _____ Date Found 7/3
 Band 2021-09220 Status when found ADULTS FEEDING
 Colors WH/DKBL (R) SOBLK/WH/DKBL FLEDC
 Male: _____
 Band # 2011-22035
 Colors SOBKGR/ORG (R) DKGR/ORG (L)
 Loc. ? _____
 # Eggs laid _____ # Hatched, Date _____
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

7/3 OAN SAW ♀ + ♂ CHIPPING & FEEDING AT LEAST ONE FLEDGLING
 IN WOODS BEHIND GOLF COURSE GC TAG 35
 FLEDGLING LOOKS 1-1.5 WEEKS AFTER LEAVING NEST

GC-16 β - Same δ same Terr

JUNCO NEST LOG SHEET

Nest I.D. GC 17
Female:

Treatment Group E impl
Date Found 5/16/89

Band 2011-22844

Status when found _____

Colors 2 WHITE/BLACKS @ ⁰⁰⁹⁰ LAV(LTBL)/WHITE

Male Band # 2011-22035 (see GC 16)

Colors 50 ORGN/ORG @ ORGN/ORG

Loc. ASLT TAG 36 IN ROUGH ABOUT 15' IN FROM (ON GROUND)

Eggs laid _____ # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

5/16
5/17
5/22
5/19
LAST DATE ?
5/20

GLASSY STALK, WATER & BLEW GRASSES & ROOTS TO BUDS.
OR BLEW GRASSES TO NEST & SEPARATED THEM
MAY GRASS KUD
NO PROGRASS ON NEST - LOTS OF ACTIVITY IN LAST COUPLE OF DAYS
WITH GYPSY MOTH SPRAYING OPERATIVE

7/3 Saw δ - White/DrBl-R, 50 Blk/white/DrBl-L and σ^7 chipping and feeding at least one fledgling right before golf course. Fledgling looks about 1-1.5 weeks after leaving nest.

JUNCO NEST LOG SHEET

Nest I.D. GC 16-A Treatment Group E Impl
 Female: _____ Date Found 5/02/89

Band 2011-22307 Status when found 4 EGGS (NOT COLO)

Colors 2 RD/LTAL (R) 2 RD/LTAL IS (L)

Male: _____
 Band # 2011-22035

Colors SO DK GRN/IRG (R) DK GRN/OLG (L)

Loc. GC-34 4' APPROX PERPENDICULAR TO MONITORING DEVICE (IN TUFT OF GRASS)

Eggs laid 4 # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

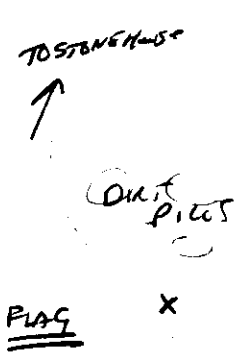
5/3 PAILOD ACORN NEST
 5/4 ALL EGGS GONE

? 5/8 ♀ STILL IN ALBA FOUAGING WITH

JUNCO NEST LOG SHEET

Nest I.D. GCIF Treatment Group NO IMPL
 Female: _____ Date Found _____
 Band 2021-09134 Status when found GLASSY with cup FURRO
 Colors 2LSD @ 2RWS + S
 Male: _____
 Band # 2021-09260 ~~2021-09260~~
 Colors ltgn/dk green - R so blk gray - L
 Loc. 238, GCTAG 38
 # Eggs laid 4 # Hatched, Date 6/6, 4 Hatched
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE	STATUS
5/17	BOTH BINOSCHIANS
5/22	ONE J. EGG
5/23	Egg 2 today.
5/24	EGG 3 TODAY
5/25	♀ INCUBATING 4 EGGS
5/26	♀ INCUBATING
5/29	implanted ♂, CAUGHT ♀ processed both.
6/1	EGGS WARM
6/2	♀ on.
6/5	OUTER WALL @ 110. REMOVED BAIT PILE
6/6	4 YOUNG, DAY 0 (HATCHING), ♀ ET + BLED (UNSUCCESSFUL), ♂ NOT NEAR NEST, NESTWATCH DONE, PROBLEMS w/ POSITION OF WATCH
6/7	♂ BLED
6/10	4 young in nest, tried to do watch, couldn't
6/12	4 YOUNG BANNED + PROCESSED, DAY 6 - ALL LOOKED HEALTHY, _____
6/14	90 MINUTE NEST WATCH
6/17	ZIG + UICIA CAUGHT ♀ + ♂ (both Bled) + Fledged young (4) <u>11-12.</u>
6/24	heard fledgelings near the cliff - across the road from old nest
7/2	Saw all four fledgelings - A lot of unbanded juncos in area. Saw ♂ fed, ♀ spend all time w/ fledgelings - she can't be incubating.



*** AT FLEDGING PLEASE CHECK BAND LOCUS TO BE CERTAIN THE ONLY BIRD THEY DOWN ARE CORRECT

Pair
JUNCO NEST LOG SHEET

Nest I.D. GC19

Treatment Group E: IMPL

Female:

Date Found _____

Band _____

Status when found _____

Colors S=2LG Red-L, 2LG/Red-R

Male:

Band # 1750-63551 (2)

Colors Dk BC 0 Bk OS-R, Yel OS-L

Loc. Just before stone bench, ridge 18-21

Eggs laid _____ # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

6/24 Saw pair together, ♂ w/ grass in bill acting courtly. ♂ foot grass behind a large boulder - flagged. - No cavity found.

JUNCO NEST LOG SHEET

Nest I.D. GD (20)

Treatment Group E IMPL

Female:

Date Found 5/20

Band 2021-09218

Status when found 3 EGGS ♀ INCUBATION

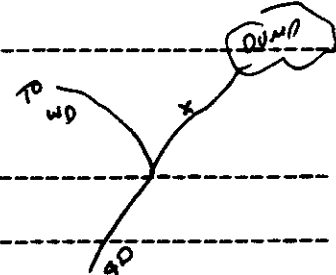
Colors LT GRN @ 50 BK @ WHITE/DK BL ⊖

Male. 94309

Band # 2000-94039

Colors RED ^{RED} / LT GRN @ RED @ DK BL

Loc. VERY LOW IN "BANK" ON G.D. ROAD



Eggs laid _____

Hatched, Date _____

Date Incub. Onset _____

Fledged/Fail, Date _____

Male Bled (Y/N), Date _____

Implant Removed (Y/N), Date _____

Female Stayed/left _____

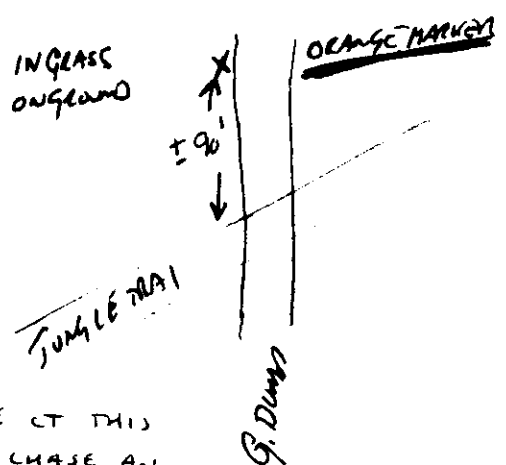
DATE | STATUS

- 5/25 3 EGGS ♀ INCUBATING. ♂ IS PROBABLY THE ONE LISTED ABOVE.
SAW HIS PAIR TOGETHER SINCE MID APRIL. SET BAIT PILE NEAR NEST.
- 5/29 3rd ♂ for injection of 2 H₂O
- 5/30 Dan recaptured for 2nd blood sample
- 6/2 DID INCUBATION WATCH
- 6/5 FAILED! CURTAINS RIPPED OUT, LAYING ON ROAD.

JUNCO NEST LOG SHEET

Nest I.D. GD 21 Treatment Group _____
 ? Female: _____ Date Found _____
 ✓ Band 2000-94115 Status when found 4 JUNCO EGGS
 Colors LT B L O L Y GN
LT B L O S (R) LT B L O S (L)
 Male. _____
 Band # ? STILL UNKNOWN
 Colors _____
 Loc. GD ROAD PAST JUNGLE TRAIL IN GRASS
 # Eggs laid _____ # Hatched, Date _____
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE	STATUS
6/6	4 EGGS, ♀ FORAGING
6/8	4 EGGS ♀ OFF NEST. EGGS WARM
6/11	SOOTY FOR CATCHING ♀
6/14	NEST FAILED
6/24	♂ SINGING ON BIG WOODPILE ON RT. AT GD; ORG OS (R), YEL U LT GRN (L) - ZIG SAYS HE CT THIS ONE VP HERE EARLIER IN YR; ALSO SAW HIM CHASE AN VB JUV UP HERE - JUV BIG & FULLY INDEPENDENT



JUNCO NEST LOG SHEET (CON'T)

DATE	STATUS
6/27	YOUNG BANDED: 50 DK BRN - L, RED - & BLK 0 DK BLU - R - BOTH LOOK GOOD
6/28	all ok
6/29	Nest watch, I think 2 young. - definitely more than 1. Both parents Fed ♂ > ♀
7/1	#2 YOUNG FLEDGED, ONE STAYED IN NEST, OTHER LEFT; ♂ & ♀ CT & BLEED
7/2	BRIEF FLEDGLING WATCH (4-5 MINS) SAW RED-R, BUT NOT SIB; ♀ FED IX (LOTS) AND CHIRPED A LOT; ♂ ALSO CHASED A CHIPMUNK; ♂ SANG A LOT & FED IX; COULD NOT ASCERTAIN FOR CERTAIN WHETHER BLK 0 DK BLU-R ALIVE OR DEAD
7/5	looked for family, couldn't find them, but there is a lot of action in the area - unbanded fledglings, over a week old, and the BK 32 ♂, an UB ♀ and other adults chasing each other.
7/6	SAW PAIR REBUILDING ~20' UP IN A TREEING ABOVE RD.; ♀ CARRYING LEAVES, TWIGS, ♂ TWITTERS & SINGS; NO FLEDGLING SEEN IN ~15-20 MIN., NO ALARM FROM PARENTS EVEN WHEN I FOLLOWED THEM CLOSELY; MARKED TREE W/ NEST BY WRAPPING RIBBON AROUND TRUNK
7/9	NO SIGN OF PARENTS OR FLEDGLINGS (WATCHED FOR ~30 MINS.) NEST SHOWS SUBSTANTIAL DEVELOPMENT, MAY BE FINISHED
7/12	GRASS VISIBLE IN NEST, LOOKS AWFULLY PRECARIOUS; NO SIGN OF PAIR DID NOT SEE FAMILY, BUT DID NOT REALLY LOOK LONG
7/14	LOOKED FOR >40 MINS. W/ FLEDGLING SCREAM TAPE, NO SIGN OF ADULTS OR YOUNG; NEST LOOKS COMPLETE, JUST BARELY TOO HIGH TO SEE IN TO, EVEN WHEN I CLIMBED UP TREES - EGGS YET?
7/24	LOOKS AS IF IT MIGHT HAVE FAILED; DIFF TO JUDGE W/ CONFIDENCE CERTAINTY, BUT GRASS/HAIR INSIDE NEST LOOKS AS IF IT'S ALL OVER ON ONE SIDE, HANGING OUT SLIGHTLY; VERT ACCESSIBLE TO SQUIRRELS - POSS. PILEATION
7/30	LOOKS THE SAME, NO SIGN OF PAIR - MUST HAVE FAILED

II

JUNCO NEST LOG SHEET

Nest I.D. BK30 BK30-R BK30-R2 Treatment Group E IMPL
 Female: Date Found 5/15/89

Band 1700-71658 Status when found 2 CB, 1 J. egg

Colors 2 Red/Lt Blue @ S-L, Red-R

Male Band # 1750-64563

Colors Red @ BK @ S-R, 2 Old Blks-L

RENEST ABOVE TAG 13, IN RIGHT BANK @ CURVE

Loc. BK Road, 2 curves below stone bench Tag 15

Eggs laid 7 # Hatched, Date 6/3 - (Failed) / ^{BK30 R2} exp ~ 6/19 (6/20)

Date Incub. Onset 6/8 # Fledged/Fail, Date exp ~~6/27~~

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

- 5/15 Found nest - saw pr. there together - 1 J., 2 CB eggs (diff. ♀). Marked them all
- 5/16 Same as yesterday - a little moss in old nest.
- 5/25 OK - found new nest! It is ~ 1 curve below stone bench; 1 J., 1 CB egg. Marked CB egg 1. ♂ sing.
- 5/26 IN MORNING NEST HAD 2 J EGGS, 1 CB EGG; BY AFTERNOON ONLY 1 J EGG, 1 CB EGG; EGGS HAVE LITTLE PIGMENT; INTENSE COMPETITION BET. THIS PR + PR @ BK 34 - 3 BIRD + 2 BIRD FIGHTS OBSERVED (♀♀ INVOLVED)
- 5/28 ♂ injected w/ 2H₂O, 2 CB eggs, 2, unco, last junco egg has p. pigment
- 5/29 STUN 2 H₂O eggs. ♀ gets off w/ any p. over by. ♂ react., bleed for 2H₂O
- 5/30 No change
- 6/3 Empty - Failed - whole nest looks OK, but lifted out of cavity
- 6/6 RENEWED FOUND, 1 J. EGG w/ ALMOST NO PIGMENTATION
- 6/9 2 J EGGS (1 NORMAL PIGMENT, 1 NO PIG), 1 CB EGG, FLUSHED ♀, ♂ + ♀ CHIPPED
- 6/10 STILL 2 J EGGS, 1 CB EGG; ♀ FLUSHED + WHIPPED @ ME - SHE'S REAL JUMPY
- 6/11 SAME, JUMPY AS EVER
- 6/12 4 " "
- 6/14 " " "
- 6/15 " " "
- 6/19 ♀ m - 2 J. eggs. LW took out CB egg, says one of j egg would develop
- 6/23 2 Young! Day 3 weighed - ♂ came + chipped.
- 6/24 did nest watch
- 6/25 did nest watch

DAN REPORTS HAVING SEEN THIS 1-2 DAYS EARLIER w/ NO EGGS

NO such bird

JUNCO NEST LOG SHEET

Nest I.D. BK31 Treatment Group _____
Female: _____ Date Found 5/15/89

✓ Band 1720-27673 correct? Status when found 4 cold J-eggs - new

Colors S O 2 Rd/Lt Blues - R, Lt-Grn - L ??

Male _____
Band # UB

Colors _____

Loc. ~9/10 up BK Rd, uphill bank Tag 28

Eggs laid 4 # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

5/15 Found real nest - Got chipped where 2 days ago. 4 cold J-eggs - new. Left them.

5/16 well - only 3 eggs, found ♀'s whole tail (feathers) in nest. Eggs actually look a little developed.

5/25 Found re-nest - I think. It is ~ 15 m. ^{downhill} ~~uphill~~ from old; in the old started 1 J-egg cold.

5/26 ♀ FLUSHED FROM NEST; 2 J EGGS

5/28 Nest has 2 junco eggs, ♀ on

5/29 ♀ on I saw a bird w Blk/Lt Bl - R, SOB - L, I think this is the ♀, ♂ is unbanded.

5/30 2; eggs

6/2 Failed, one egg in nest, one out on bank, both cruddy, but unbroken

We can't be sure of ♀ - nest is failed

Pair
JUNCO NEST LOG SHEET

7/15/89

Nest I.D. BK 32 Treatment Group NO IMPL
 Female: Date Found 5/15/89

Band 2011-22852 Status when found _____

Colors 2 Lt Gin/Ok Green S-L, 2 Yel/Blks-R (BK 28 lost yr in 88)
 Male: CORRECT WORDS

Band # 1700-71651 THIS is CORRECT (6/6) lost 2 Lt Gln

Colors BK/Lt Blu O S-R, Yel L ? ID?

Tag 23 Loc. S-curve area BK Rd, to last curve below straightaway area

Eggs laid _____ # Hatched, Date exp 6/6 6/9

Date Incub. Onset ~5/25 # Fledged/Fail, Date exp 6/19 6/18 I think

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE	STATUS
5/15	Saw pr. together. ♀ chipped w me. There is a cavity in the grass there.
5/16	Saw ♂ - has only Yel band - L
5/25	Found nest - it's just above S-curve area. in burr - had 3 J., 1 CB egg. Cold. Took out CB egg. ♀ was on w ~ 1915.
5/26	4 J. EGGS, I THINK (NEEDS RECHECKING)
5/28	4 j. eggs
5/29	"
5/30	"
6/4	" ♀ on (INCUBATE)
6/6	4 J. EGGS, FAWN w/in 1 FT. OF NEST, ADULTS SEEM RELUCTANT TO BE NEAR NEST
6/9	3 NESTLINGS, 1 EGG, ♂ & ♀ CHIPPED AT ME
6/10	SAW ♂ CARRYING BIG WORM BEHIND NEST WHILE ♀ INCUBATING - HE CHIPPED @ ME; I FUSHED THE ♀, WEIGHED NESTLINGS (3); STILL ONE DEVELOPED EGG - CHALKY, NO BUBBLES - NO PIPING EVIDENT; AFTER WEIGHING ♀ RETURNED TO NEST
6/11	3 NESTLINGS, 1 J EGG - NESTLINGS WEIGHED, MEASURED, MANICURED
6/12	" " - ♂ and ♀ present, defensive
6/14	Traced nest with w/ blind, both chipped long & hard. Still 3 nestling - Removed egg.
6/15	LU Banded + we - yhed 3 young - day 8 (maybe one day 2) stayed in nest. Underdeveloped
6/19	OOPS - nest empty - no one around. Fledged yesterday??
6/23	all quiet

7/5 Saw this ♂, an unbanded ♀, fledged into - about 1-2 weeks after nest leaving, all near stone bench. Adults chased other adults in area.

Pair
JUNCO ~~nest~~ - LOG SHEET

Nest I.D. B.K. 33 Top Treatment Group non-impl.
 Female: Date Found 5/4/89

Band _____ if this ♀ Status when found pr. seen together _____
 Colors Yel O S O DK Blue-L DK Grn/Lt Grn-R
 Male.
 Band # 2011-22424

Colors 2 Rd/Lt Blues O S-R, 2 Rd/Lt Blues-L

Loc. Top of Bk. Entrance area to over cliffs Tag 29

Eggs laid _____ # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

- 5/4 Saw pr - only saw Rt leg of ♂, + not a good look w Rt leg of ♀ - She looked maybe incubating - ♂ sang - ♀ flew under rock cliffs.
- 5/25 Saw pr. together; foraged ~.1 mi below top; saw ♀'s bands clearly. Found nest here w/ 2 CB (same ♀) eggs.
- 5/26 SAME STATUS - 2 CB EGGS. ♀ INCUBATING
- 5/28 Empty
- 6/23 Saw ♂ sing on Top - a 2nd J. w/ him briefly - flew into brush.
- 7/12 SAW PAIR TOGETHER ON BK TRAIL (NOT RD.); NO SIGN OF AGITATION @ MY PRESENCE; I GOT A GOOD LOOK @ THE ♀ BANDS, + I CAN VERIFY THESE COLORS, ALTHOUGH I COULDN'T FIND THEM IN THE SUMMARY SHEETS (is this tag 29 area?)
- 7/19 ♂ sang on Top.

POSSIBLE RENEST FOR BK 33

JUNCO NEST LOG SHEET

Nest I.D. _____ Treatment Group _____
Female: _____ Date Found 6/6/89
Band _____ Status when found 3 J EGGS, 1 CB EGG
Colors _____
Male. _____
Band # _____
Colors _____
Loc. BELOW TAG 31, RT. SIDE, LOW IN BANK
Eggs laid _____ # Hatched, Date _____
Date Incub. Onset _____ # Fledged/Fail, Date _____
Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
Female Stayed/left _____

DATE	STATUS
6/6	3 J EGGS, 1 CB EGG, ♀ FLUSHED BUT ← BANDS NOT SEEN
6/9	FAILED - PIECE OF CRACKED SHELL FOUND BELOW NEST

Should be β not R

JUNCO NEST LOG SHEET

Nest I.D. BK 34 - R

Treatment Group _____

Female:

Date Found 5/26/99

Band 2000 - 94335

Status when found NEST START

WH/RED - L, S O BLK O PINK - R? (VERY UNCERTAIN)

Colors 2 BLK/HOT PINKS - R, WH/DARK BLU O S - L

Male:

Band # _____

Colors 2 DRG/YELS - L ? (ALSO UNCERTAIN)

~10 FT. ABOVE STONE BENCH, SAME SIDE, IN BANK

LOC. ~20 YDS. ABOVE BK 30, BELOW STONE BENCH

Tag 17-18

Eggs laid _____

Hatched, Date _____

Date Incub. Onset _____

Fledged/Fail, Date _____

Male Bled (Y/N), Date _____

Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS


5/26 NEST START. ♀ SEEN CHASING JUNCO; LATER 3 BIRDS SEEN IN FIGHT; EVIDENTLY INTENSE COMPET. W/ BK 30 PR. ♀ CHIPPED @ ME. ♀ CT + BANDED.

5/29 grass, no hair, took out a green leaf after a few hours.

5/30 hair today, no eggs yet.

6/3 2; eggs wet. Puddle in bottom of nest.

6/4 3; eggs

6/4 P.M. 2 COLD, WET 3 EGGS - FAILED? 

6/11 DEFINITELY A WRECKED HOME

6/23 ♂ Sing alot - Unmated??

6/26 NEST START FOUND; ♀ FLUSHED FROM BANK, LATER CARRYING DRIED GRASS; ♂ SEEN W/ HER, TAIL SPREAD, PUFFY; REPLACEMENT ♀

6/28 Same...

7/2 THICK RIM OF DRIED GRASS + WELL DEVELOPED CAVITY - STILL ACTIVE? ♂ SINGING SOME

7/3 SAME STATUS

7/6 " " , SAW UB ♂ TWITTERING NEARBY, A-K AD.

7/12 GRASS CUR!! DEFINITELY MORE DEVELOPED; CHIPPED AT BY AN UB ♂ AND A BIRD BANDED AS A ♂, DIFF. COLORS FROM GUY ABOVE, SOMETHING LIKE S O DRG O LT BLU - R (VERY UNCERTAIN) - WHAT'S GOING ON HERE??

7/19 Nest finished, but all wet & dirty, 2 eggs in it!! Looks deserted.

JUNCO NEST LOG SHEET

Nest I.D. BK35 (BK31-R??) Treatment Group _____
 Female: _____ Date Found 6-12-89
 Band _____ Status when found grass - no hair
 Colors _____
 Male _____
 Band # _____
 Colors _____
 Loc. in mid. of trail at BK tag 27, ~50 ft from rd.
 # Eggs laid _____ # Hatched, Date _____
 Date Incub. Onset _____ # Fledged/Fail, Date _____
 Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____
 Female Stayed/left _____

DATE STATUS

6/12 found w/ grass. Had seen cavity ~ 2 wks ago w/ nothing.
 6/14 looks the same, put green leaf in - saw no birds.
 6/15 looks the same, green leaf at. " these!

JUNCO NEST LOG SHEET

Nest I.D. BK 36 Treatment Group NO IMPL
 Female: Date Found 7/30
 Band 2000-94479 Status when found 2 NESTLINGS, ~ DAY 5, 1 U-D EGG ⁽⁴⁾

Colors DK BL O S-L, 2 RED/LT BLUS-R
 Male.
 Band # 2000-94480

Colors DK BL O S-R, LT GRN O BLK-L
 BANK ON RT. SIDE, ~1/2 FOOT OFF GROUND
 Loc. 300-400 YDS. DOWN TRAIL LEADING TO HORSEBARN NEAR TOP OF BK - IN POWERCUT

Eggs laid NA # Hatched, Date NA

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

- 7/30 FOUND NEST, WEIGHED NESTLINGS, SAW UB PARENT W/ LOTS OF FOOD RETURN + WHIP @ ME - BANNED BOTH
- 7/31 ♀ + ♂ CT FOR Z-H₂O INJECTION, KEPT AWAY FROM NESTLINGS (2, DAY 5) FOR JUST OVER 2 HRS. - BOTH NEST. STILL PRESENT WHEN ADULTS RETURNED
- 8/1 1 NESTLING BANNED, OTHER FOUND DEAD BELOW NEST - NO INDICATION OF STARVATION, 2 WOUNDS FROM PREDATOR ATTACKS, SO ^{DEATH} PROBABLY NOT DUE TO Z-H₂O ON ADULTS; ♀ RE-CT FOR BLOOD SAMPLE; ♀ WAS FEEDING NESTLING REGULARLY BEFORE CT, NO SIGN OF ALTERED BEHAVIOR DUE TO Z-H₂O; ♂ NOT SEEN, BUT SINGING HEARD - NO RECAP OF ♂

JUNCO NEST LOG SHEET

Nest I.D. WP ?
Female: _____

Treatment Group _____
Date Found 5/4/89

Band _____

Status when found almost complete - needs more help

Colors _____

Male. _____

Band # _____

Colors _____

Loc. N-E Bank of Stream, near 2nd JT Xing (Tag 38)

Eggs laid _____ # Hatched, Date _____

Date Incub. Onset _____ # Fledged/Fail, Date _____

Male Bled (Y/N), Date _____ Implant Removed (Y/N), Date _____

Female Stayed/left _____

DATE STATUS

5/13 Kaput - locks failed