

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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NEST LOG SHEET

NEST ID: DOL 140
 MALE BAND #: 1741 47876
 COLORS (R) lt green o s ?
 COLORS (L) lt green o lav
 BLOOD SAMPLE # _____
 FEMALE BAND #: 2221 57331
 COLORS (R) lt bl/red
 COLORS (L) So. Or. o Red
 BLOOD SAMPLE # 7840
 IMPLANT REMOVED (Y/N) DATE: _____

TREATMENT GROUP: pre (C) self
 DATE/STATUS WHEN FOUND: 5/8/08 16:00 G. 14
1 egg, 1 nest a bird chipping but no ID
 DATE 1st EGG (indicate if backdated): 5/4/08 -bd
 # EGGS LAID (indicate if uncertain): 4 eggs
 DATE INCUBATION ONSET (indicate if bd): 5/7/08 -bd
 EXPECTED HATCH DATE: 5/18/08
 # HATCHED, DATE: 4, 5/18
 FLEDGED/FAIL, #, DATE: 5/27

GPS LOCATION: _____
 LOCATION (GENERAL): DOL st. 200m NW
 LOCATION (SPECIFIC): 25m past 1st quarter from g. waterfall - 10-75m. Nest is
left of bridge in forest

DATE	TIME	INIT	STATUS
5/11/08	0830	DK	4 J eggs, 1 nest a bird chipping but no ID
5/11/08	0930	DK	4 J eggs warm, 1 nest a bird chipping. 1st found 30min SW w/ moderate SW ID as above, but not found in records, missing bands? confirm ID!
5/13/08	807	DW	no J s/h, 4 J eggs, set up camera
5/13/08	1348	DW	removed camera, no J s/h 4 J eggs
5/14/08	645	DW	set up camera, flush ♀ off 4 J eggs ID - lt bl/red on right!
5/14/08	1324	DW	remove camera; ♀ not on, 4 J eggs, heard chipping but did not see
5/15/08	0700	DW	no J s/h, 4 eggs, applied green oil, camera set up, chipping heard so I was leaving
5/15/08	1130	DW	remove camera, ♀ not on, 4 eggs, no J s/h
5/15/08	2022	DK	4 eggs warm. 10min pres.
5/19/08	13:10	AD KA	predator pres. (10 min), ♀ flushed, 1D ♂ (brought back cool) 4 nestlings, measured & trimmed (day 1)
5/21/08	1505	AD KA	Day 3 nest check, 1 min present. Bled + Wg + Measure 4 J nestlings
5/24/08	14:00	KC	Day 6+5, Banded, Bled + Measure 4 J nestlings. Ran at of Sig color so 1 nestling banded w/ adult combos.
5/27/08	1335	DW	NEST ripped at; heard parents chipping

S.P

NEST LOG SHEET

NEST ID: DOL 140-R

TREATMENT GROUP: _____

MALE BAND #: 160143032

DATE/STATUS WHEN FOUND: 6/13/08

COLORS (R) WHITE O SILVER

4 eggs, ♀ flushed

COLORS (L) LT GRN O LAV

DATE 1st EGG (indicate if backdated): ~6/10

BLOOD SAMPLE # 7863

EGGS LAID (indicate if uncertain): ≥ 4

IMPLANT REMOVED (Y/N), DATE: _____

DATE INCUBATION ONSET (indicate if bd): ~6/13

FEMALE BAND #: 2221 57331

EXPECTED HATCH DATE: _____

COLORS (R) lt bl / red

HATCHED, DATE: 4, 6/24/08

COLORS (L) 5 o. org. o. red

FLEDGED/FAIL, #, DATE: 0/00

BLOOD SAMPLE # 7840

FLEGGING TRAIL STARTS NEAR HOGWALLOW TRAP SITE, BEGINNING MARKED ON LEFT SIDE OF DOL 4)

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): DOL streambed/hogwallow

LOCATION (SPECIFIC): Row above 2 double flagging ground logs just before nest. Located on ground in grassy patch b/w streambed No flagging trail

DATE	TIME	INIT	STATUS
6/13/08	1215	JZ	♀ flushed, 4 eggs. smooth & translucent. Not sure if actually a juv. didn't chip nest
	1400	IL	♀ INC FLUSHED, could not see 4 J EGGS, ADDED FLEGGING TRAIL
6/14/08	1100	KC	♀ not on, probed 30 min. ♀ still. I'ded ♀ as usual. 4 J eggs.
6/16	830	AD DR	♀ NOT ON, 4 J EGGS, 15 MIN STI, BOTH PARENTS SHOWED UP
6/17	1000	DR/SCN	♀ ON, STI, ♂ RESPONDED STRONGLY. HT PINK O S (2) BAND NO. 2321 70107 RED O LT GRN (1)
6/18	1710	KN/AD	probed P.P. ♀ flushed 4 worm J eggs.
6/20	1000	DR/DW	♀ INC FLUSHED, 4 J EGGS, STI
6/22	1715	DL	♀ INC FLUSHED, 4 J EGGS
6/24	1320	DR/TC	♀ INC FLUSHED, 4 J NESTLINGS, WEIGHED? MEASURED?
6/27	1630	DR/AD	♀ OFF NEST, 4 J3 NESTLINGS. WEIGHED, MEASURED? BLED
6/30	1430	AD/KC	nestlings gone, no ♀ s/n

NEST LOG SHEET

NEST ID: DOL 141
 MALE BAND #: 1601 43383
 COLORS (R) S ored o wht
 COLORS (L) 1+ bl/yel
 BLOOD SAMPLE # 7825
 FEMALE BAND #: 222157246
 COLORS (R) o blk/ora
 COLORS (L) S o yel o dk grn
 BLOOD SAMPLE # 7741
 IMPLANT REMOVED (Y/N) DATE: _____

TREATMENT GROUP: _____
 DATE/STATUS WHEN FOUND: 5/16/08 Flushed ♀ off 4 eggs
 DATE 1st EGG (indicate if backdated): ~5/15
 # EGGS LAID (indicate if uncertain): ≥4 eggs
 DATE INCUBATION ONSET (indicate if bd): ~5/18
 EXPECTED HATCH DATE: _____
 # HATCHED, DATE: 4, 5/29
 FLEDGED/FAIL, #, DATE: FAILED 6/1

GPS LOCATION: _____

LOCATION (GENERAL): On edge of Powercut off WVS S of fork to WVM, Flag on bamboo wire W side of Rd
 LOCATION (SPECIFIC): Flag trail from WVS downhill to powercut not under a rock @ angle $\approx 60^\circ$
Double Flag is 3-4m past not across Powercut on taller tree, back above.

(DOL NORTH POWER CUT)

DATE	TIME	INIT	STATUS
5/16/08	14:20	KC	Flushed ♀ off 4 eggs. PARTIAL ID Yell OS. ♂ not present. ♀ chipped back above not on beam. Double tag on tree on ground nearby.
5/19/08	1051	DW	flushed ♀ off 4 eggs, pass 2nd one above then K2 arrived for SN1 - OOPS SORRY!
5/19/08	1100	KC	Preformed 30 min ♀ SN1. ♂ present. ID'd as above
5/20/08	812	DW	♀ not on, set up camera; 4 eggs
	1234	DW	♀ on, remove camera
	1500	DL	ACCIDENTALLY FLUSHED ♀ off 4 EGGS
5/21/08	802	DW	♀ not on, 4 J eggs, applied preform oil, set up camera
	1250	DW/♀	♀ on, remove camera
5/21	1320	KA/AD	performed predator presentation, female present, 4 J eggs + 1 egg
5/23	808	DW	flushed ♀ off 4 J eggs
5/24	14:00	KC	flushed ♀ off 4 J eggs, but not visible.
5/25	1333	DW/NB	flushed ♀ off 4 J eggs
5/27	837	DW	flushed ♀ off 4 J eggs
5/29	0900	DL/AD	≥ 3 J NESTINGS, RETURN TO WEIGHT & MEASURE IN AM

NEST ID: 706141

DATE	TIME	INIT	STATUS
5/29	1345	DW	measured & trimmed 4 day ϕ nestlings. Both parents chipping. σ scored a wht Hbl/yel
6/1	1305	KA/AD	Lining of nest torn out. No J S/L

FAILED

NEST LOG SHEET

$\frac{11}{55}$
6

NEST ID: D01 147

TREATMENT GROUP: _____

MALE BAND #: 5221 57021

DATE/STATUS WHEN FOUND: 5/22/08 ♀ flushed 4

COLORS (R) dk grn O S

5 eggs, + II on both parents

COLORS (L) yel O wht

DATE 1st EGG (indicate if backdated): ~ 5/17

BLOOD SAMPLE # Need

EGGS LAID (indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: _____

DATE INCUBATION ONSET (indicate if bd): ~ 5/20

FEMALE BAND #: 2221 57043

EXPECTED HATCH DATE: 9 ~~5/31/08~~

COLORS (R) wht O lt bl

HATCHED DATE: 4 5/31

COLORS (L) 5 C dk bl

FLEDGED/FAIL, #, DATE: 6/6, Nest Empty

BLOOD SAMPLE # Need

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): D01 streambed downhill from treeline/bushhouse traps

LOCATION (SPECIFIC): ~ 75 m downhill on opposite bank. Flossing trail w/ bar above nest.

DATE	TIME	INIT	STATUS
5/22/08	1420	92	♀ flushed + chipped 4 J eggs (+ II) on both parents
5/24/08	826	DW/NB	inc ♀ flushed off 4 eggs set up camera
	1250	DW/NB	inc J sh, 4 eggs, remove camera
5/25/08	827	DW/NB	flushed inc ♀ off 4 eggs, applied green oil, set up camera, both parents chipping
	1345	DW/NB	removed camera, ♀ on nest
5/23	8:16	KC/KA	pred 30 min SOL, ♀ noisy chipping @ set up 4 eggs.
5/26	1320	AD/KA	10 min pred. presentation, ♀ flushed, ♂ returned, 4 J eggs
5/28/08	1559	92	♀ flushed 4 J EGGS. ♀ chipped briefly
5/29	0830	DR/AD	♀ INC, SOFT FLUSH, 4 CHALKY J EGGS
5/31	0900	DR/AC	♀ ON NEST FEEDING, ≥ 2 NESTINGS
	1630	DR	WEIGHED & MEASURED 4 D0 NESTINGS
6/3	14:40	KC/KA	Weight + massal, + blood 4 D3 Nestlings. Both parents feed + chipping. ♂ singing nearby.
6/6	14:15	KC/SCW	Nest Empty. No sign of disturbance.

FAILED

NEST LOG SHEET

green

NEST ID: STN 130

TREATMENT GROUP: (C) self

MALE BAND #: 18817645

DATE/STATUS WHEN FOUND: 5/9 3 Eggs w/

COLORS (R) blk o S

♀ on, flushed.

COLORS (L) dk bl/yel

DATE 1st EGG (indicate if backdated): 5/7 (bd)

BLOOD SAMPLE # 7768

EGGS LAID (indicate if uncertain): 4

FEMALE BAND #: 2321 70006

DATE INCUBATION ONSET (indicate if bd): 5/10 (bd)

COLORS (R) Lt Bl o Dk Grn

EXPECTED HATCH DATE: _____

COLORS (L) DK Grn o S

HATCHED, DATE: 3, 5/24

BLOOD SAMPLE # 7766

FLEDGED/FAIL, #, DATE: 21 6/54

IMPLANT REMOVED (Y/N) DATE: _____

STP

GPS LOCATION: _____

LOCATION (GENERAL): Station on the other side of pond behind brown drift fence

LOCATION (SPECIFIC): Cluster of old plastic flower pots inside, 50m in the center facing lake

DATE	TIME	INIT	STATUS
5/9/08	15:20	KC	Found by Eric L. Ogden AM, Found marked by KC in pm. Flushed ♀ of 3 J eggs. ♂ not present. ♀ chipped near: chipped about 10m away above pit. Flay on MAPLE Above Behind.
5/12/08	13:10	KCOR	Flushed ♀ chipping. Confirmed ID 4 eggs.
5/13/08	16:30	KA	30 min SNI. Flushed ♀ 4 eggs.
5/14/08	8:10	DW	set up camera, no J's s/h, 4 warm J eggs
5/14/08	13:15	DW	remove camera, ♀ not on, no J's s/h
5/15/08	6:43	DW	no J's s/h, 4 J eggs, green oil applied, camera set up
5/15/08	11:20	DW	remove camera, ♀ on
	15:36	AD	predator presentation (10 min), 4 eggs
5/19/08	13:10	AD KA	predator presentation (10 min), ♀ flushed, ♂ in area 4 J eggs
5/21/08	8:26	DW	♀ not on 4 J eggs, ♀ chipped
5/23/08	7:50	OW	flushed the ♀ off 4 J eggs
5/25/08	13:20	AD/NS	♀ not on, 3 nestlings (DAY 1), 1 egg, measured, + marked nestlings, some chipping briefly
5/27/08	16:30	AD/KA	♀ not on, both parents chipping nearby, 3 nestlings (Day 3), 1 egg, measured & took blood samples
5/30/08	14:30	KC/KA	♀ not on, but nearby chipping, Banded, Bled, Searched, measured 3 J Nestlings, 2 dy 6 1 dy 5.

ST ID: STA 130

DATE	TIME	INIT	STATUS
6/2	10:50	KC	Both Parents chipping. ≥ 2 S Nestlings in Nest.
6/4	1600	DC/SD	SEMP NET, σ^7 & ρ CHIPPING, ≥ 1 N
6/5	5:10	KC/KA SCN SS KA	Nest empty, No S's s/h. Fledged / FAILED?
6/5	8:00	KC KA OK AD KA SS	Set up mist nets + physical fledging cells. Caught σ^7 + ρ . Found 1 3 Fledg. Meant + stamped ρ + σ^7 Fledg. Behind σ^7 .

FLEDGED

NEST LOG SHEET

NEST ID: STA 130 II

TREATMENT GROUP: _____

MALE BAND #: 788171045

DATE/STATUS WHEN FOUND: 6/5 Clean scrape

COLORS (R) black O Silver

w/ loose moss outside of nest area

COLORS (L) dk bl/yel

DATE 1st EGG (Indicate if backdated): 6/13

BLOOD SAMPLE # 7768

EGGS LAID (Indicate if uncertain): 4

IMPLANT REMOVED (Y/N), DATE: _____

DATE INCUBATION ONSET (indicate if bd): 6/16

FEMALE BAND #: 232170006

EXPECTED HATCH DATE: 6/27

COLORS (R) Lt Bl o Dk Grn

HATCHED, DATE: _____

COLORS (L) Dk Grn o S

FLEDGED/FAIL, #) DATE: 4/22

BLOOD SAMPLE # 77610

collected 3rd egg 6/16

FEMALE STAYED/LEFT, DATE: _____

LOCATION (GENERAL): WVS/Station Rd, ^S Station Forks, N of WVN/WVS fork. On E side

LOCATION (SPECIFIC): Big Fly on ^{fallen} dead tree on W side, Nest 1/4 m off Rd, under moss overhang

DATE	TIME	INIT	STATUS
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6/5/08	11:10	KC	Found while nest searching. Scrape clean fresh w/ bunch of loose moss/grass in area. No S S s/h
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6/7	10:45	KC KA	No A
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6/11	10:30	AD	♀ FLUSHED AS I DROVE BY & CHIPPED A BIT, COMPLETE GRASS CUP, NO DEER HAIR
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6/13	11:4	GR	marked egg 1 as "1"
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6/14	0835	AD SCN	MARKED 2ND EGG "11", 2 J EGGS, NO J9H
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6/15	13:30	KC	2 Eggs. 1 marked "11" w/1's wings. Marked "0". J seen flying
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6/16	8:15	GR	collected 3rd egg (there were 3 eggs, took the one marked "0")
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6/17	8:20	KC	Obs for 20 min, Soft Flush from behind, 2 Dred ♀ as above. Did not obs ♂, Aquatics correct ???
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6/19	10:50	KC	STI NO RESPONSE
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6/19	13:09	GR	Recorded male (ID above) using playback
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6/19	8:10	KC	2 J Eggs in nest, one just outside of nest on mossing (wet). All eggs cool. Obs for 30 min ♀ did not return.
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6/19	16:55	AD	NEGT EUPHY
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NEST LOG SHEET

NEST ID: STN 131
 MALE BAND #: 1881 71085
 COLORS (R) s o wht o yel
 COLORS (L) wht/org
 BLOOD SAMPLE # 7838
 IMPLANT REMOVED (Y/N), DATE: _____
 FEMALE BAND #: 2321 70020
 COLORS (R) LT GRN o DY BL
 COLORS (L) DK GRN o S
 BLOOD SAMPLE # 7879
 FEMALE STAYED/LEFT, DATE: _____

TREATMENT GROUP: _____
 DATE/STATUS WHEN FOUND: 6/12 GRASS CUP
 DATE 1st EGG (Indicate if backdated): 6/14
 # EGGS LAID (Indicate if uncertain): ~~2~~ 4!
 DATE INCUBATION ONSET (Indicate if bd): 6/17
 EXPECTED HATCH DATE: 6/28
 # HATCHED, DATE: _____
 FLEDGED/FAIL, #, DATE: 7/9 32
 collected 3rd egg 6/17

LOCATION (GENERAL): STN LEWIS
 LOCATION (SPECIFIC): FROM FRONT OF LEWIS FOLLOW SMALL GRAVEL TRAIL TO LEFT, 60' TO SECOND LAMP POST ON LAWN, NEST IN LARGE SPRUCE TO LEFT OF POST, ~3m up

DATE	TIME	INIT	STATUS
6/12	1000	DR	FOUND BY VINCE FORMICA, SAW ♀ WITH GRASS, DR WATCHED ♀ BUILD FOR ~30 MIN, POS ID AS ABOVE, DID NOT LOOK IN NEST, WILL NEED LADDER
6/14/08	9:30	SC-N	Saw ♀ with deer hair in front of Lewis
6/15	1300	DR	2 J EGGS, MARKED "1"
6/16	1245	DR	3 J EGGS, MARKED 3rd "0"
6/17	11:10	KC	Flushed ♀, NEED Collected Egg 3 "0" 4 eggs before collect
6/19	1030	DR	STI, SAW PAIR ATTACKING CHIMPUNK IN TREE WITH NEST
6/20	8:05	KC	Soft flushed ♀ off Unknown # of EGGS,
6/21	0900	DR/SCN	STI, ♂ DD NOT RESPOND
6/28/08	1259	DR/AD	♀ flushed, 4 J EGGS
6/29/08	13:00	KC SS	♀ flushed 3 DD nestlings, 1 unchipped egg. Chipping.
6/30/08	1400	AD KC	3 D1 nestlings/1 D0 nestling, both parents in tree chipping
7/7 6/27	14:40	DR KC	3 D3 Nestlings - W+M+Bled. Both Parents Present Chipping

NEST ID: STW 131

(Lewis)

DATE	TIME	INIT	STATUS
7/5/	13:00	KC EK	BANDING: BLED 3 DAY 6 NESTLINGS. BOTH PARENTS PRESENT + chipping, w/ food.
7/8	16:32	QR	Day 9 check, both parents chipped nearby (♀ off) saw nestlings in nest.
7/9	17:20	KC	One Fledge found on lawn, another still in nest. Opened net set up for SWI catching and caught ♂, ♀ and an additional ♂. ^{9221 57105} YES! DK bin. Procured all birds and released onto ground near spruce. Could not find 3rd nestling.
			<div style="border: 1px solid black; padding: 5px; display: inline-block;">Fledged</div>