



2014 Kestrel Nest Box Report

John A. Smallwood <smallwoodj@mail.montclair.edu>
To: Marilyn_Kitchell@fws.gov

Mon, Oct 6, 2014 at 8:53 AM

6 October 2014

Marilyn E. Kitchell,
Wildlife Biologist
Walkkill River, Shawangunk Grasslands
and Cherry Valley NWR's
1547 Route 565
Sussex, NJ 07461
973-702-7266 x 13
cell 862-926-7604
Marilyn_Kitchell@fws.gov

Hello Marilyn:

Enclosed is our report of nest boxes on and in the vicinity of the refuge. There were three nesting attempts by kestrels this past year, but only one was successful, for a total of 4 young fledged. All three of the adult female kestrels that bred at Walkkill in 2014 were captured and identified: we banded and tagged the female at WK15, the female at WK16 had been banded and tagged as an adult at WK15 in 2013, and the female at WK17 was foreign banded. We never observed a male at either WK15 or WK16, the two nests that failed. We did capture and mark the male at WK17, the nest that fledged 4 young.

Thank you for your support of our research and conservation program.

Sincerely,

John A. Smallwood

Associate Professor

e: smallwoodj@montclair.edu

Walkkill River NWR Kestrel Nest Box Report - 2014.docx
24K

**AMERICAN KESTREL NEST BOX PROGRAM AT
WALLKILL RIVER NATIONAL WILDLIFE REFUGE
ANNUAL REPORT - 2014**

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A total of 25 breeding attempts occurred at the 18 nest boxes (WK01, WK06-07, WK09-12, WK14-19, WK22-23, WK26, WK31, and WK33) that were available during the 2014 breeding season. Three pairs of kestrels breed, but only one was successful.

#	BOX	SPECIES	CONTENTS	OUTCOME
1	WK01	European Starling	empty nest	evicted
2	WK06	European Starling	5 eggs	evicted
3	WK06	European Starling	1 egg	evicted
4	WK06	European Starling	4 chicks	not evicted
5	WK07	Tree Swallow	2 eggs	not evicted
6	WK07	Tree Swallow	2 chicks	not evicted
7	WK09	Tree Swallow	5 chicks	not evicted
8	WK10	Grey Squirrel	empty nest	evicted
9	WK12	European Starling	4 eggs	evicted
10	WK14	European Starling	empty nest	evicted
11	WK14	European Starling	empty nest	evicted
12	WK14	European Starling	5 eggs	evicted
13	WK14	European Starling	empty nest	evicted
14	WK15	American Kestrel	5 eggs	failed
15	WK16	American Kestrel	2 eggs	failed
16	WK16	Grey Squirrel	3 pups	not evicted
17	WK17	American Kestrel	3 chicks	banded
18	WK19	Grey Squirrel	4 pups	not evicted
19	WK19	Deer Mouse	2 pups	not evicted
20	WK19	Deer Mouse	2 adults	evicted
21	WK23	Grey Squirrel	4 pups	not evicted
22	WK26	European Starling	4 chicks	evicted
23	WK26	European Starling	empty nest	evicted
24	WK26	European Starling	4 chicks	evicted
25	WK31	European Starling	empty nest	evicted

AMERICAN KESTRELS Banded AT WALLKILL RIVER NATIONAL WILDLIFE
REFUGE

#	DATE	BOX	AGE	SEX	BAND NO.	PATAGIAL TAG		
						WING	COLOR	MARK
1	20 May 2014	WK15	AD	F	1593-05862	right	light blue	S
2	6 June 2014	WK17	AD	M	1593-05870	right	orange	C
3	4 July 2014	WK17	IM	F	1783-66908	left	yellow	F
4	4 July 2014	WK17	IM	F	1783-66909	left	yellow	G
5	4 July 2014	WK17	IM	F	1783-66910	left	yellow	H
6	4 July 2014	WK17	IM	M	1783-66911	right	orange	X

WALLKILL RIVER NATIONAL WILDLIFE REFUGE

UNITED STATES
DEPARTMENT OF THE INTERIOR

SUSSEX COUNTY, NEW JERSEY & ORANGE COUNTY, NEW YORK

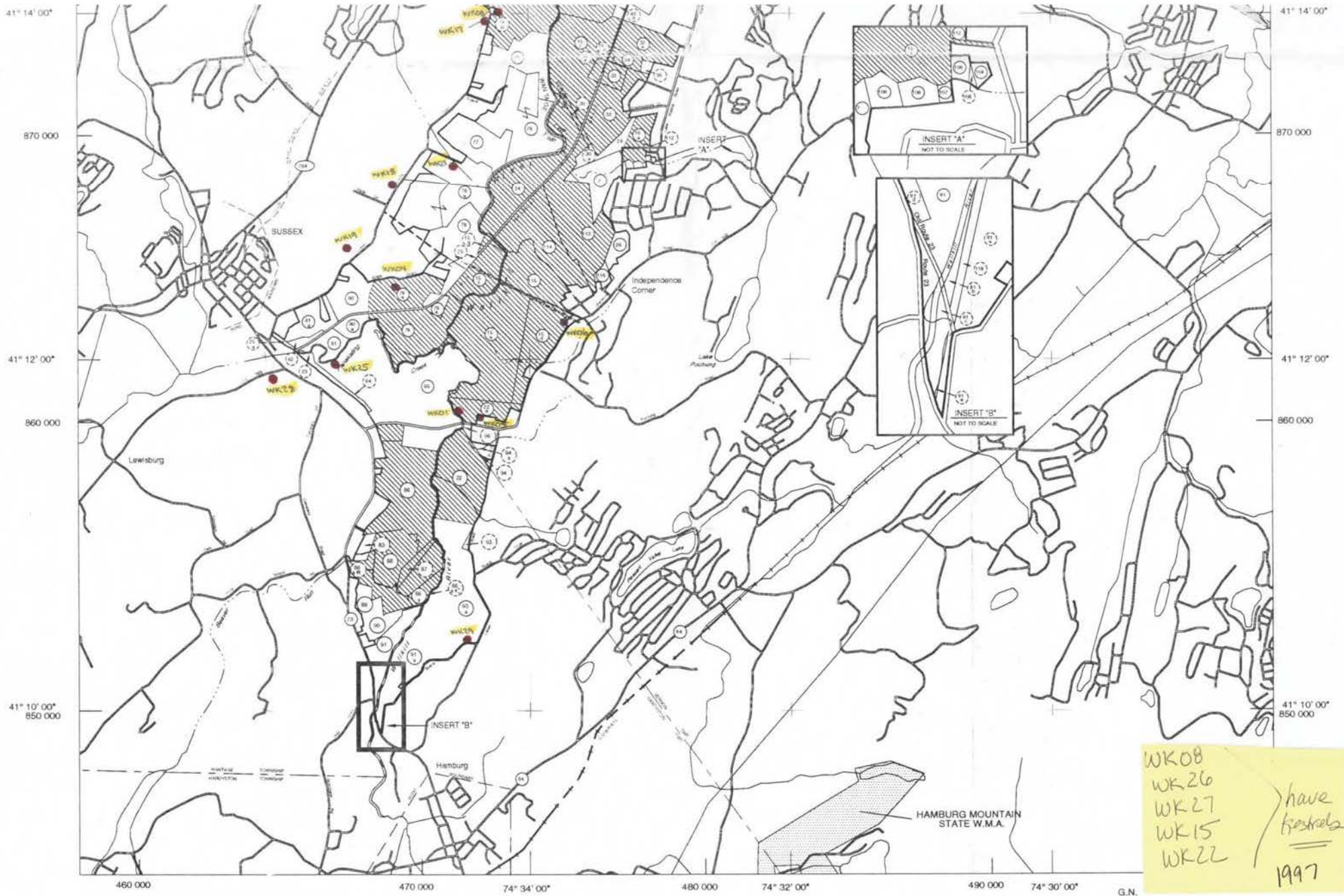
UNITED STATES
FISH AND WILDLIFE SERVICE

470 000 74° 34' 00" 480 000 74° 32' 00" 490 000 74° 30' 00"



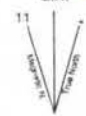
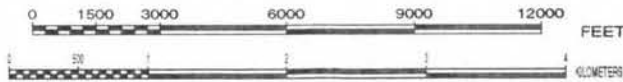
41° 12' 00"
41° 16' 00"
880 000
41° 14' 00"

900 000
41° 18' 00"
890 000
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880 000
41° 14' 00"



WK08
 WK26
 WK27
 WK15
 WK22
 } have
travels
 1997

COMPILED IN THE DIVISION OF REALTY
 FROM SURVEYS BY U.S.G.S AND U.S.F.&W.S.
 NEW JERSEY STATE PLANE COORDINATE SYSTEM
 1983 NORTH AMERICAN DATUM.
 HADLEY, MASSACHUSETTS
 REVISD: 08/96
 OCTOBER 1994



MEAN
 DECLINATION
 1954

5R NJ 1174.

NEW JERSEY NEST BOX IDENTIFICATION DATA
 ALL WALLKILL RIVER NWR NEST BOXES
 UPDATED 18MAY97

ID	MAP LOCATION	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
WK01	RT 565, 0.75 MI N RT 23	41	11.692	74	34.516
WK02	RT 667, 0.05 MI S KELLY	41	14.584	74	32.686
WK03	OIL CITY, AT NWR E BOUNDARY	41	16.804	74	31.549
WK04	JUDGE BEACH, 0.40 MI E LOWER UNIONVILLE	41	12.432	74	35.106
WK05	RT 565, 0.85 MI E RT 23	41	11.684	74	34.381
WK06	RT 565, 0.80 MI S RT 667	41	12.206	74	33.723
WK07	KELLY, 0.05 MI W RT 667	41	14.626	74	32.776
WK08	LOWER UNIONVILLE, 1.15 MI S RT 284	41	13.988	74	34.270
WK09	RT 665, 0.10 MI NW RT 667	41	15.291	74	32.491
WK10	RT 667, 0.40 MI N RT 642	41	15.996	74	31.431
WK11	RT 642, 0.20 MI W RT 667	41	15.838	74	31.956
WK12	RT 642, 0.55 MI W RT 667	41	15.825	74	32.316
WK13	RT 642, 0.90 MI NE RT 284	41	15.627	74	33.117
WK14	RT 642, 0.55 MI NE RT 284	41	15.470	74	33.460
WK15	LOWER UNIONVILLE, 0.35 MI S RT 284	41	14.576	74	34.359
WK16	LOWER UNIONVILLE, 0.60 MI S RT 284	41	14.401	74	34.474
WK17	LOWER UNIONVILLE, 1.20 MI S RT 284	41	13.959	74	34.350
WK18	LOWER UNIONVILLE, 2.50 MI S RT 284	41	13.023	74	35.064
WK19	LOWER UNIONVILLE, 3.05 MI S RT 284	41	12.653	74	35.346
WK20	RT 284, 0.95 MI NE RT 642	41	15.978	74	33.374
WK21	HAMMING, 0.20 MI E LOWER UNIONVILLE	41	13.121	74	34.583
WK22	RT 284, 0.20 MI NE OLD RT 284	41	16.482	74	33.282
WK23	RT 284, 0.40 MI NE RT 642	41	15.637	74	33.819
WK24	RT 667, 0.80 MI N RT 642	41	16.516	74	31.194
WK25	KUPERUS, 0.15 MI N RT 23	41	11.994	74	35.483
WK26	RT 667, 0.10 MI S GLEN	41	14.291	74	32.728
WK27	RT 284, 0.10 MI N POSSUM GLEN	41	14.218	74	35.055
WK28	RT 565, 0.10 MI S RT 23	41	11.128	74	37.742
WK29	(TREE CUT DOWN, BOX GONE)	41	10.389	74	34.460