

Avian Restoration in Everglades National Park: 2005 update

Gary L. Slater

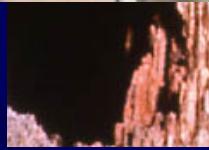
Ecostudies Institute

Skip Snow

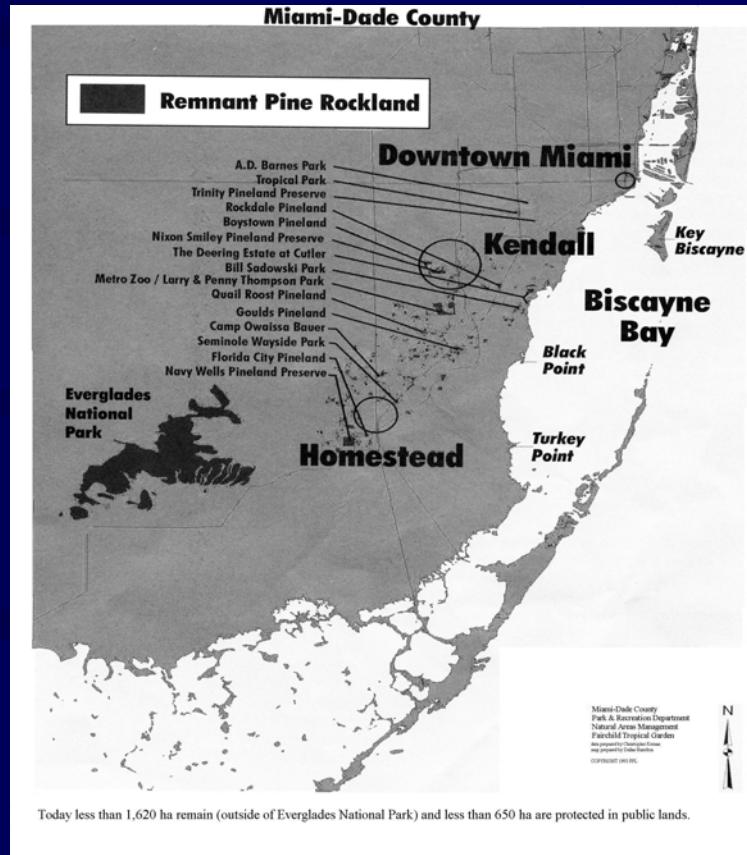
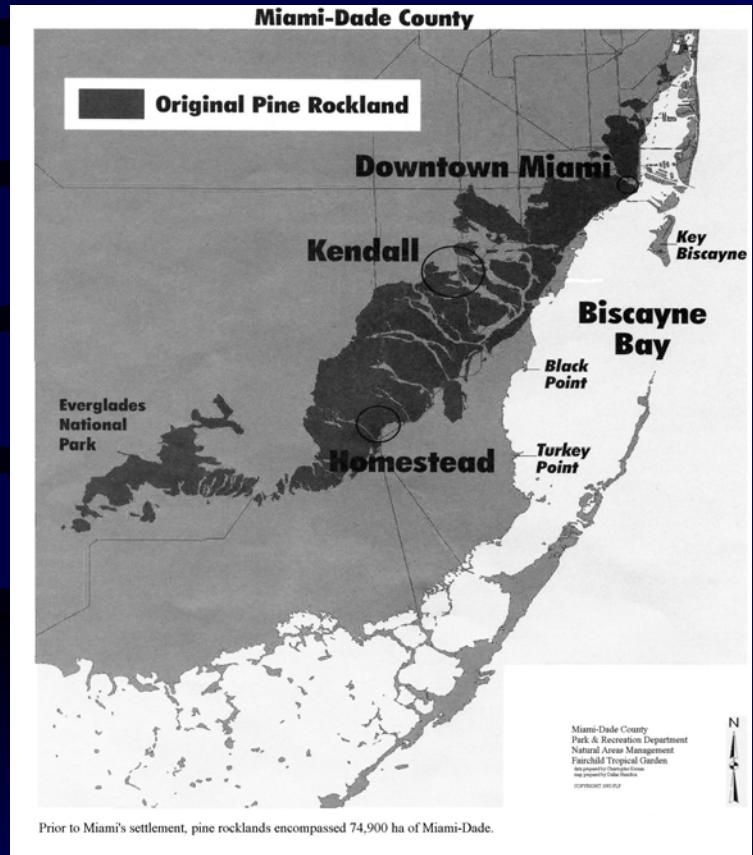
Everglades National Park



ECOSTUDIES
INSTITUTE



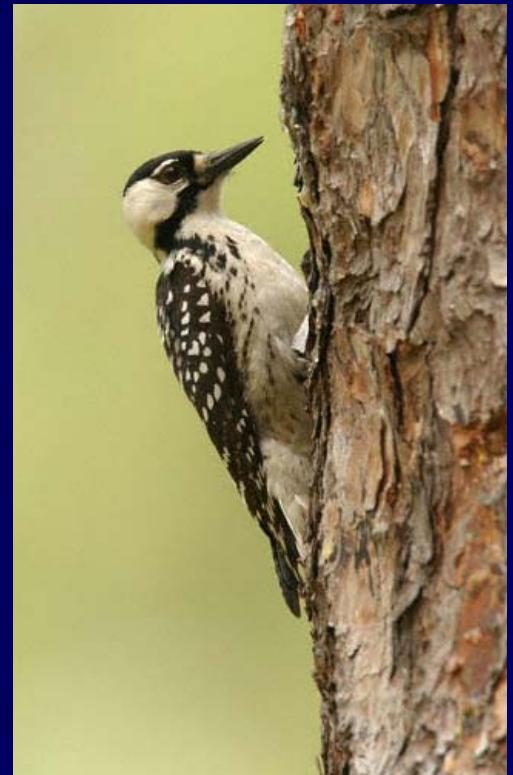
Atlantic coastal ridge uplands



Prior to 1900

Current

Extirpated species



Un - Extirpated species?





BHNU Reintroduction

PHASE I: Reintroduction (1998 – 2001)

- 42 adults released
- 25 (60% established territory)
- Reintroduced population increased each year

PHASE II: Post-release monitoring (2002-2003)

- Reintroduced population size increased
- Demographic rates higher in reintroduced population than reference population



EABL Reintroduction

PHASE I: Reintroduction (1998 – 2001)

- 47 adults translocated
- 27 (57%) established a territory
- Reintroduced population increased each year

PHASE II: Post-release monitoring (2002-2003)

- Reintroduced population remained stable
- Demographic rates similar between reintroduced and reference population

Phase III Objectives

(2005-2007)

1. Continue population size and demographic monitoring
2. Identify those factors (vegetation, fire, hydrology) that influence vital rates
3. Generate population models under various scenarios to evaluate population persistence.

Getting ready to begin second year

Methods

Population Size

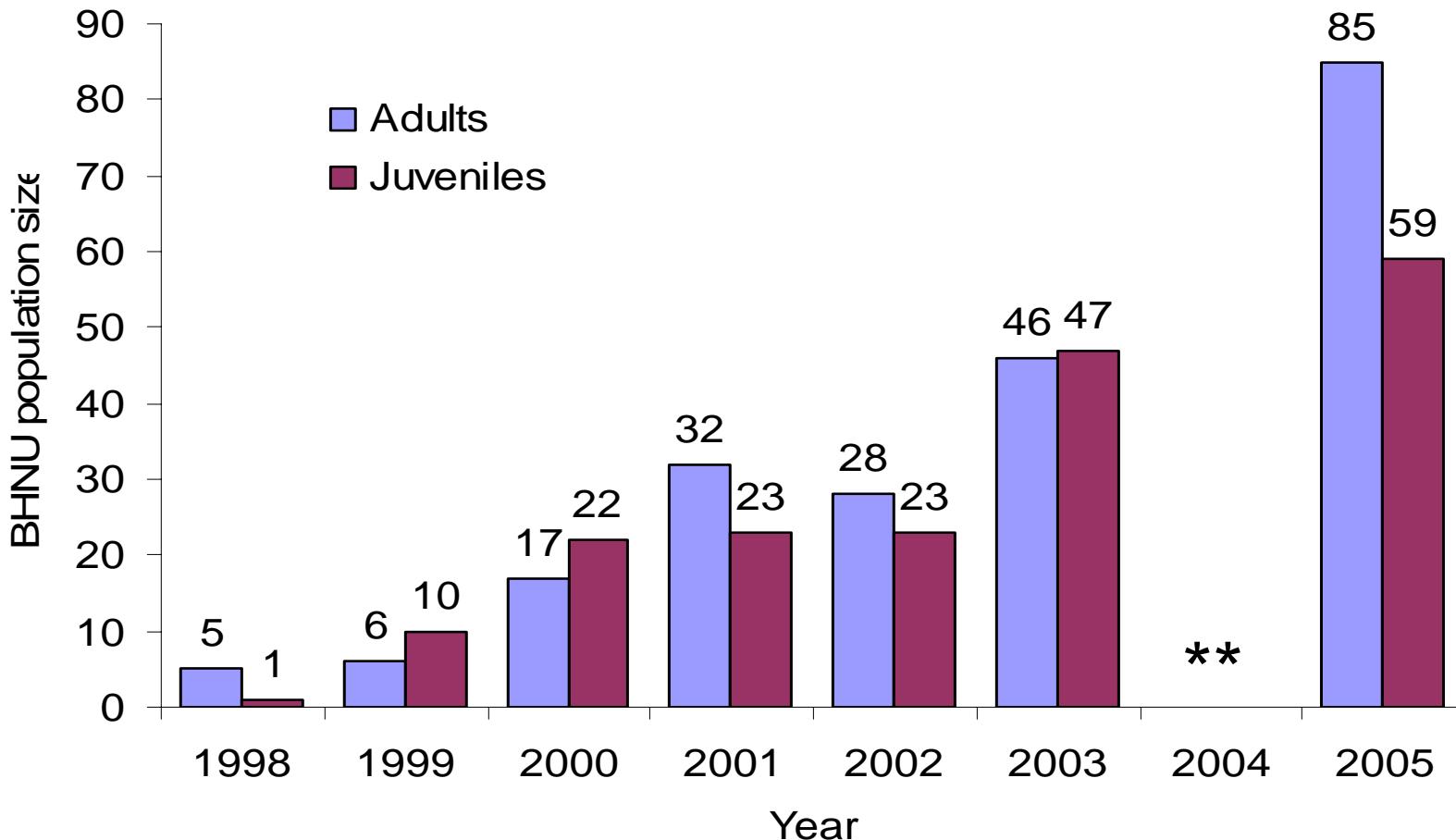
- Transects through habitat
- Point count surveys

Demographics

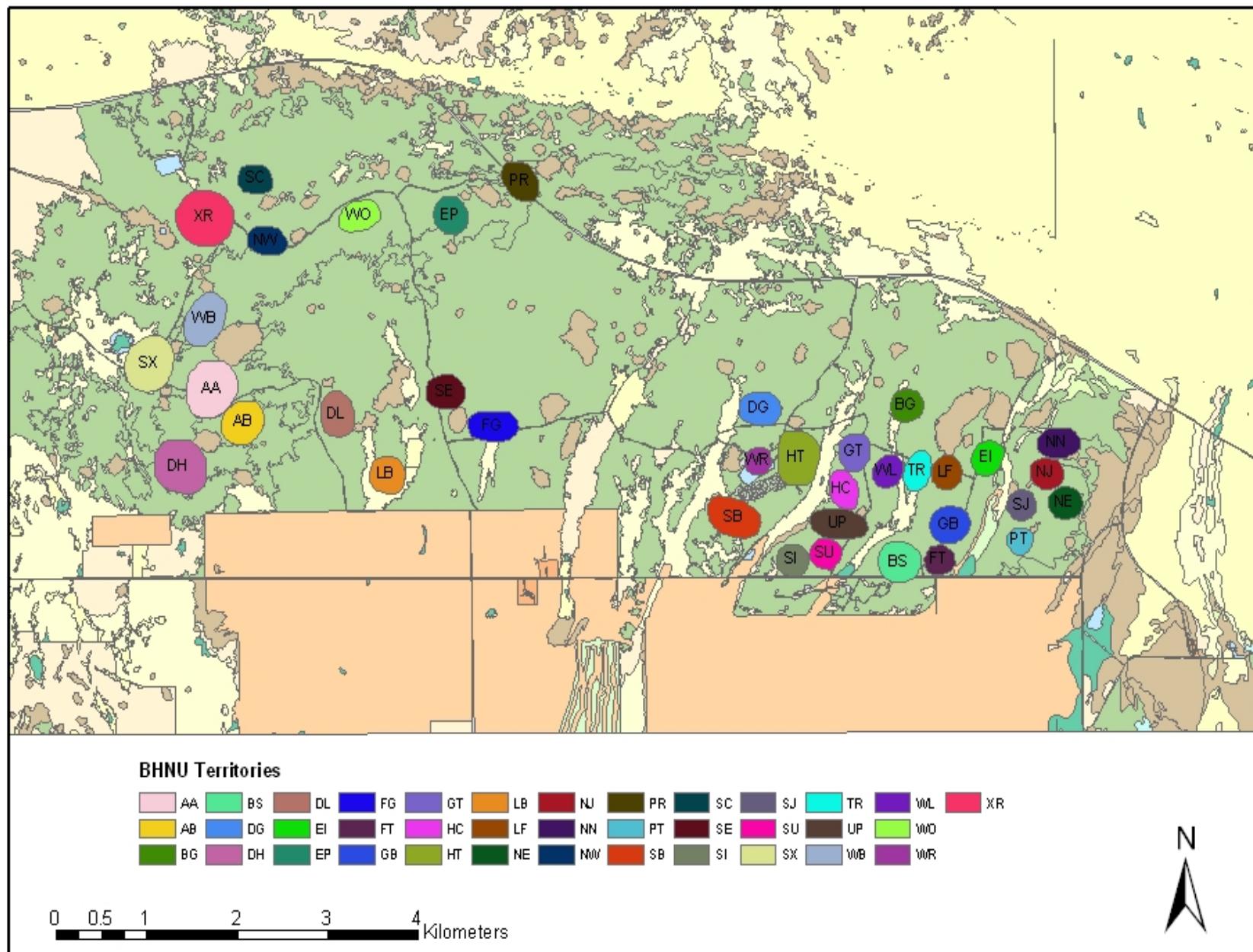
- Reproduction - Nest-searching and monitoring nest fate
- Survival – color-banding



BHNU Population Size

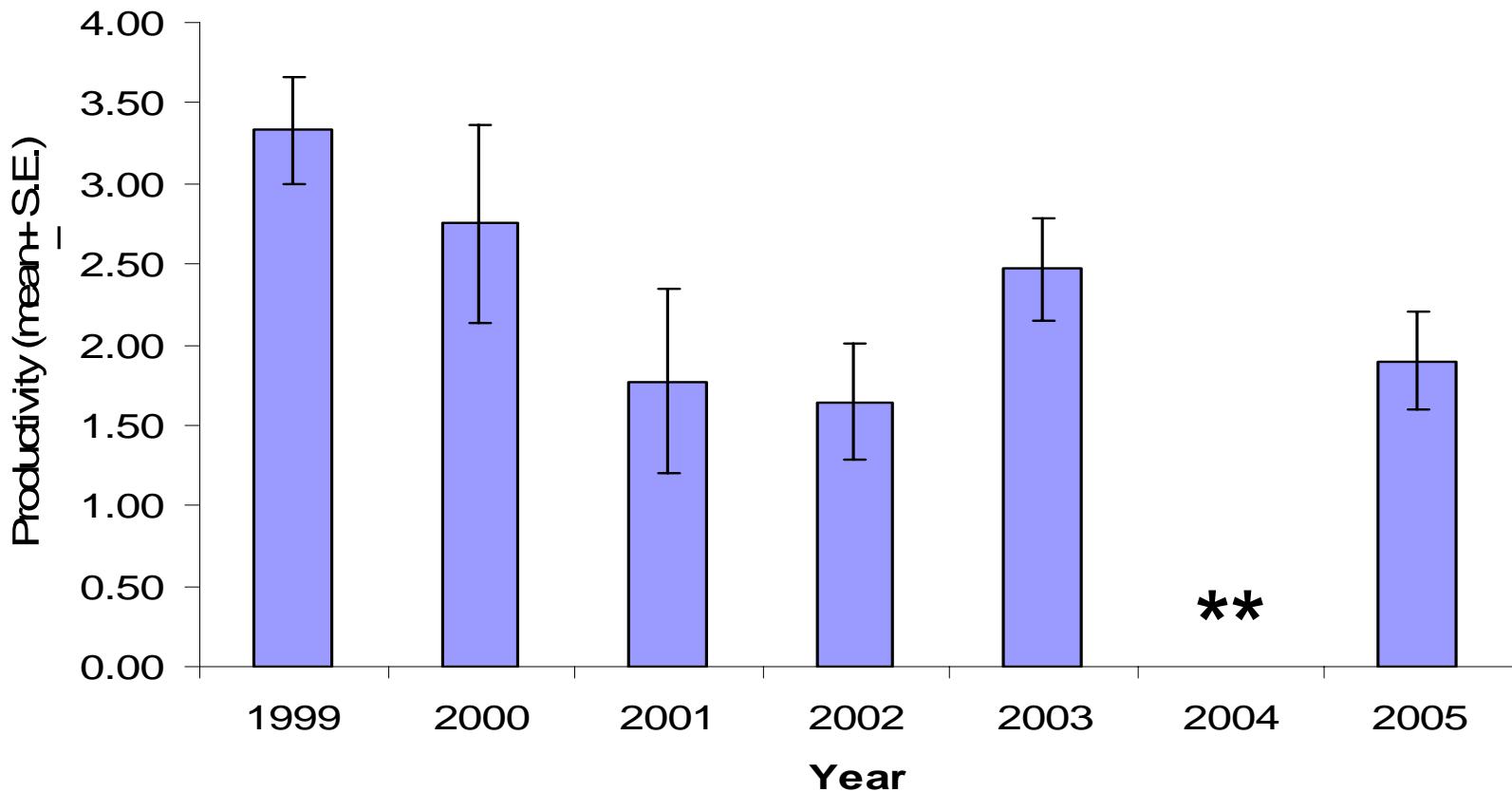


Brown-headed Nuthatch Territories Long Pine Key 2005



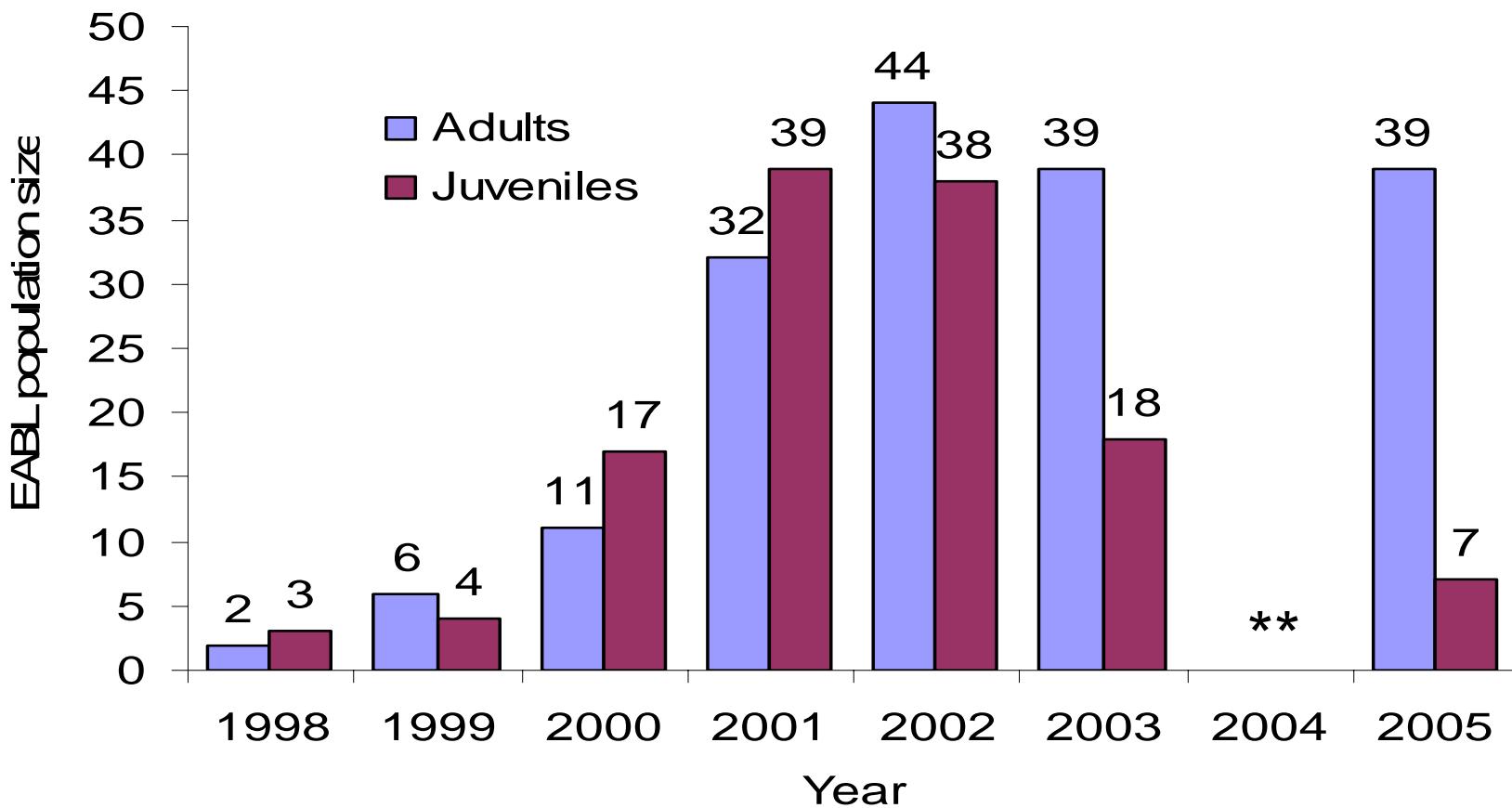


BHNU productivity (young/breeding territory)

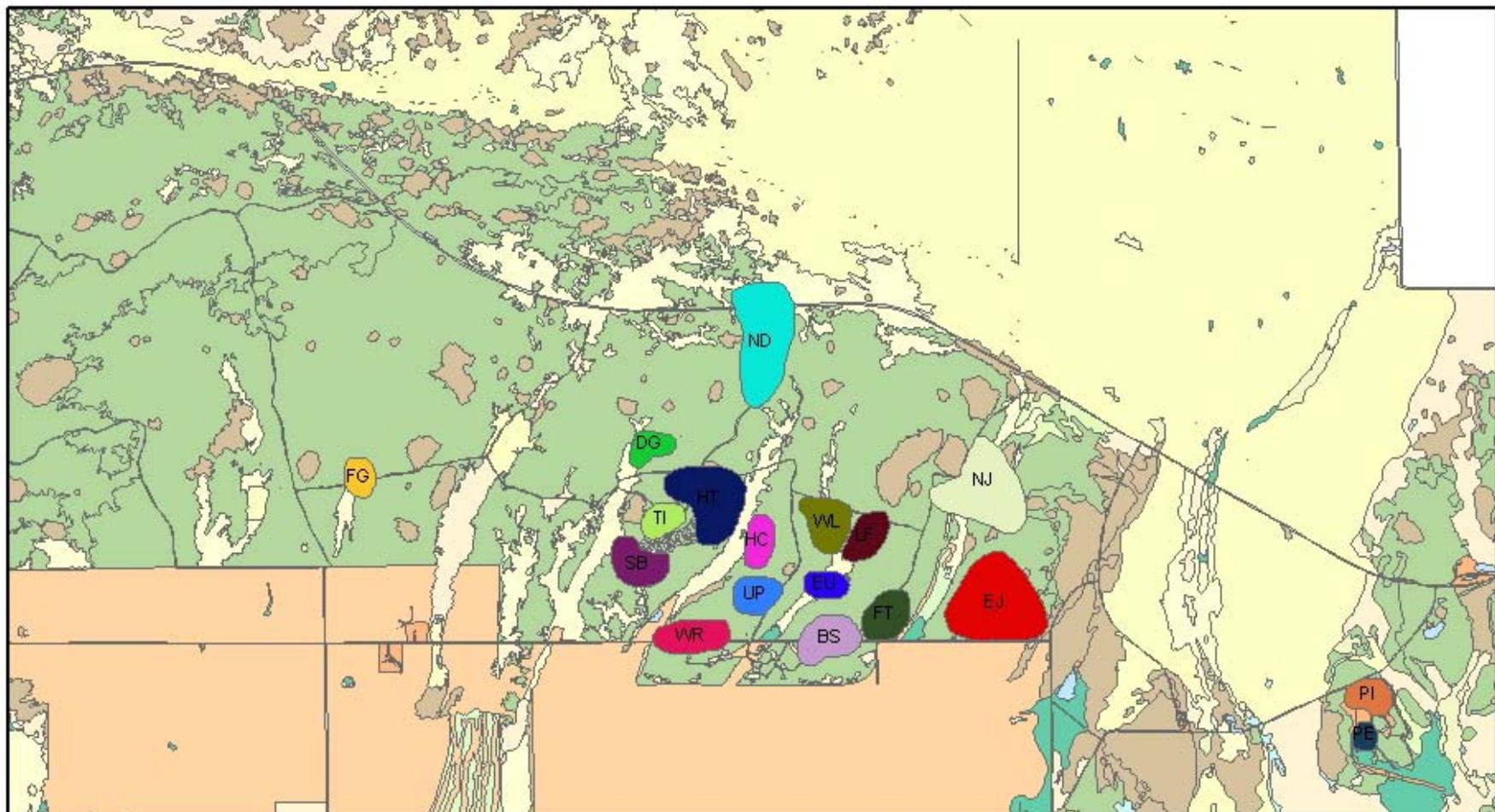




EABL population size



Eastern Bluebird Territories Long Pine Key 2005



EABL Territories

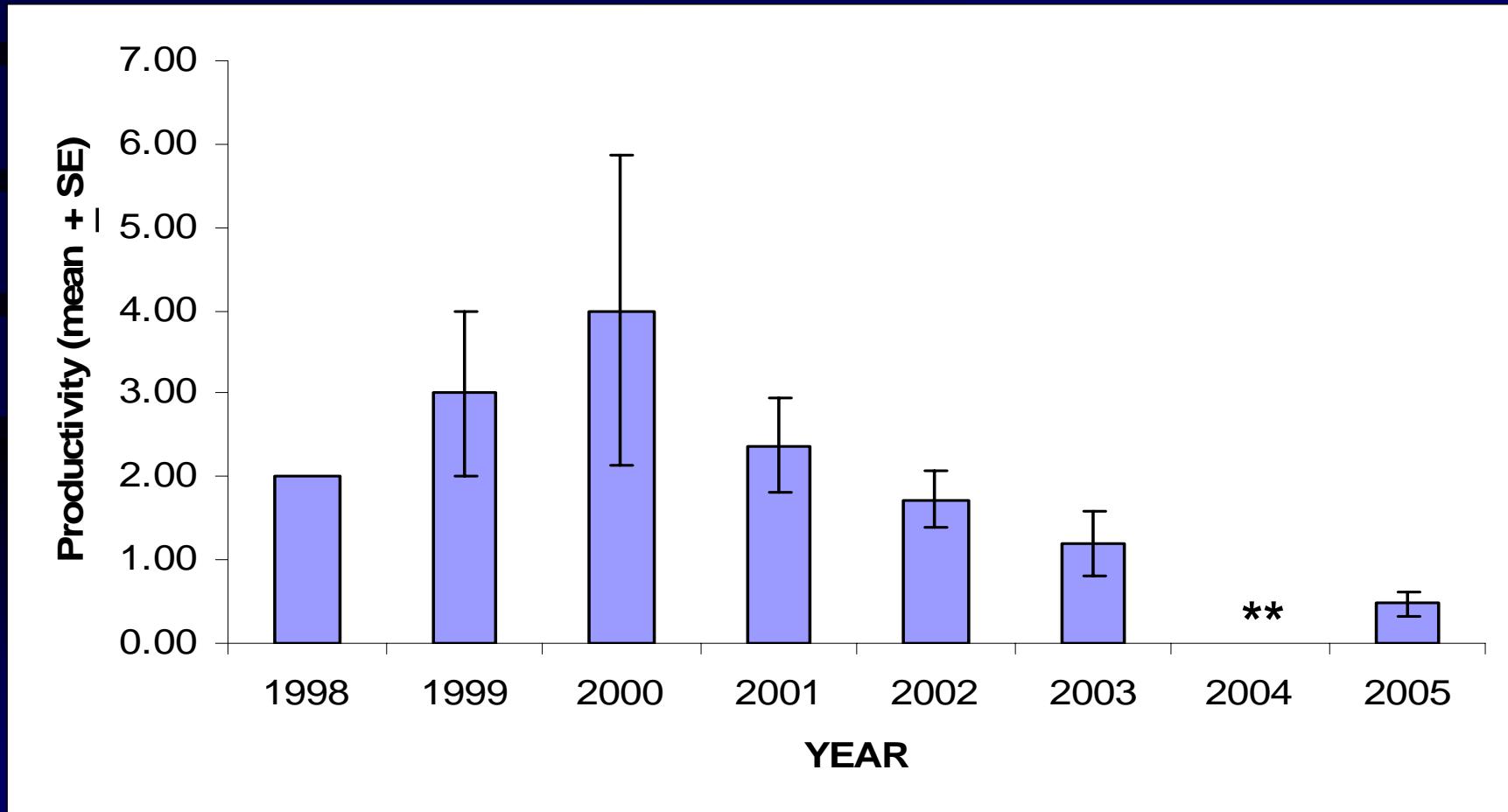
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DG	EU	FT	HT	ND	PE	SB	UP	WR	

0 0.5 1 2 3 4 Kilometers





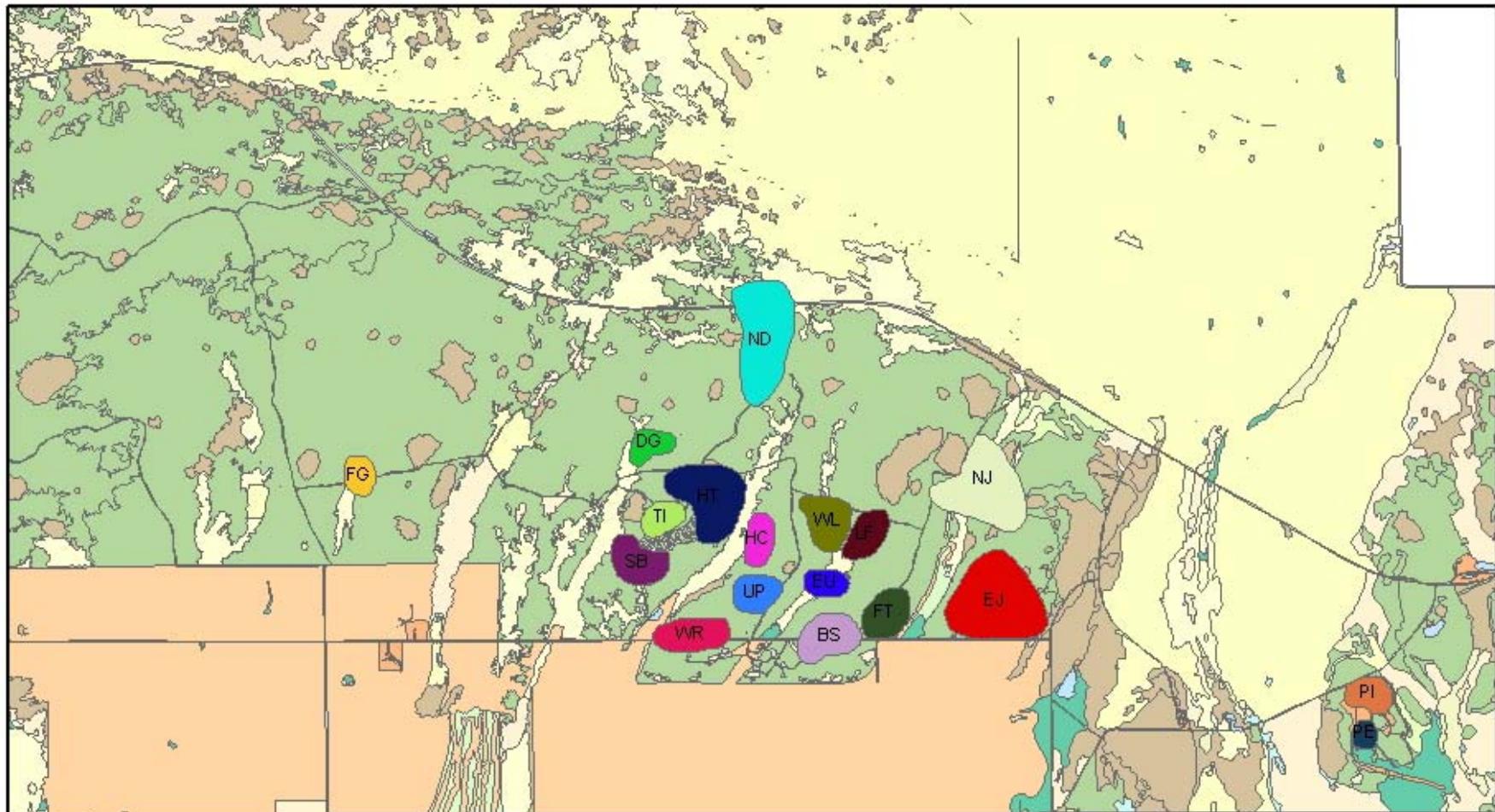
EABL productivity (young/breeding territory)



Bluebird Mortality



Eastern Bluebird Territories Long Pine Key 2005



EABL Territories

BS	EJ	FG	HC	LF	NJ	PI	PL	TI	WL
DG	EU	FT	HT	ND	PE	SB	UP	WR	

0 0.5 1 2 3 4 Kilometers



Turkey Reintroduction



Turkey Reintroduction

Phase I: Reintroduction (2000)

- 27 Wild Turkeys released
- 7 of 10 radio-tagged birds died within the first year
- Intermittent sampling indicated individuals reproduced successfully
- Number of observations decreased over time

Results from 2005 Surveys

Camera

- 4 males, 2 females

Gobbling

- Verified 6 males



Second release – Jan 2006

- 31 Individuals released
- 10 radio-tagged females





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