

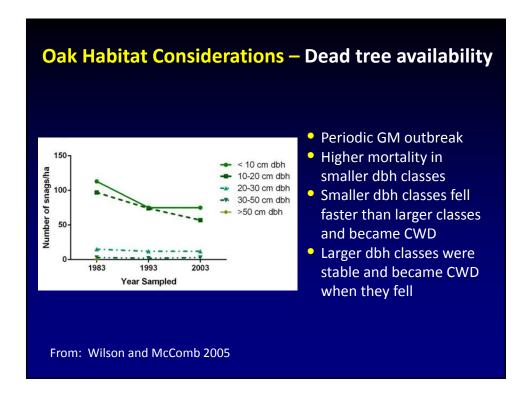
Oak Habitat Considerations – Cavity tree habitat



From: Healy et al. 1989

n=11,062		Cavities	
Total trees sampled	In live trees	In dead trees	In snags
Percent	3	3	20
No. of stems	289	45	64

- 93% mammal dens or escape holes
- 6% bird nest holes
- Only 4% of cavities suitable for PIWO
- Cavity trees accounted for 4% of BA in thinned stands and 8% of BA in unthinned stands
- Ground searches underestimate cavity numbers in crown by 20%



Diameter (cm)	1983-1993	1993-2003	
	Percent	snag fall	 Smaller trees fall
< 10	71	76	sooner than larger
10-20	55	61	ones (usually)
20-30	42	43	• 35.9 oak logs/ha
30-50	25	66	(14.5 logs/ac) across
> 50	100	-	Cadwell Forest at the end of the study
			• 109.9 logs/ha (44.5

Oak Habitat Considerations – Thinning and northern redback salamanders



- Neither thinnings removing 40-50% of BA nor deer density affected PLCI numbers
- PLCI numbers correlated with density of tall woody stems > 1m and number of pieces and area of CWD

From: Brooks 1999

Oak Habitat Considerations -- Special concerns around oak Increases in GM density are associated with declines in PELE density Changes in density correlated with acorn crop densities At low GM levels PELE can regulate GM And then there's Lyme disease - that's for another day From: Elkinton et al. 1996; Yahner and Smith 1991



