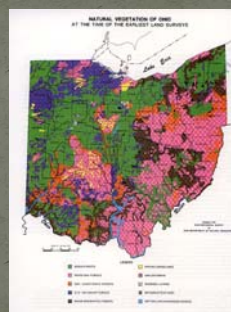


White-tailed deer

Jon Cepek, Wildlife Ecologist
Cleveland Metroparks

What Ohio used to look like



<http://www.marietta.edu/~biol/biomes/biomes.htm>

Predator removal



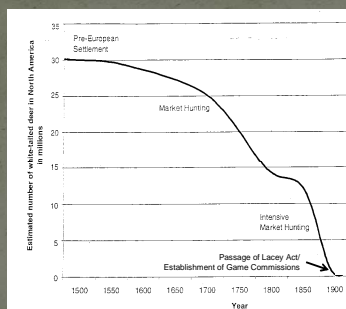
<http://www.hinckleytwp.org/content/great-hinckley-hunt-1818>

Non-regulated market hunting



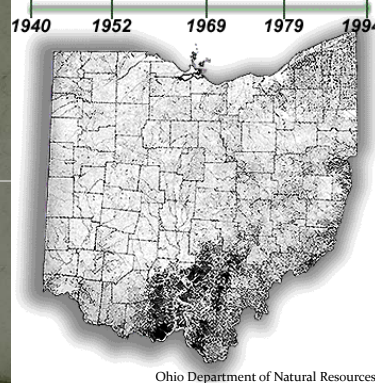
<http://www.woodsart.com/products/old-hunting-print-308>

White-tailed deer in N. America 1500-1900



VerCauteren, K. "The Deer Boom: Discussions on Population Growth and Range Expansion of the White-Tailed Deer" (2003). USDA National Wildlife Research Center - Staff Publications, Paper 281.

Forest cover changes in Ohio 1940 to 1994



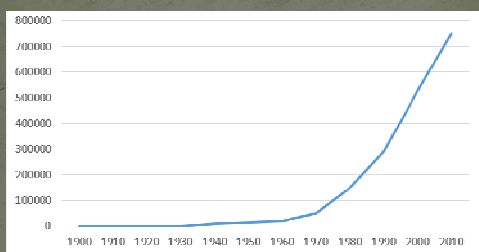
What role do coyotes play?



Limited hunter harvest



White-tailed deer in Ohio 1900-2010



Data compiled from Iverson & Iverson 1999, Ohio J Science 99(4):84-94 and ODNR Wildlife Population Status Reports

Where we now see deer



Courtesy of Jim Petersen

Daily movement activity

Day range

Night range



W. David Walter Jeff Beringer, Lonnie P. Hansen, Justin W. Fischer, Joshua J. Millspaugh and Kurt C. Vercauteren
International Journal of Geographical Information Science Vol. 25, No. 3, March 2011, 379-392

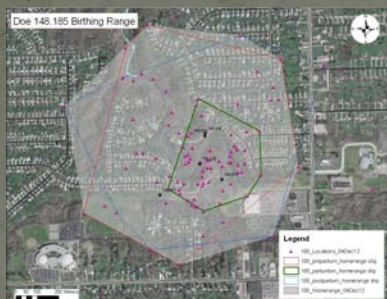
Life cycles



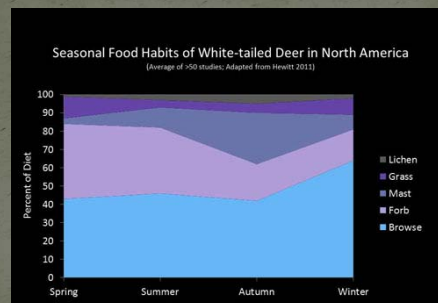
Adapted from Gardes, 1997.

http://www.ansci.wisc.edu/jjpu/ansci_repro/misc/websitesog/thur/Deer%20Seasonality/Deer%20Seasonality.html#species

Birthing range

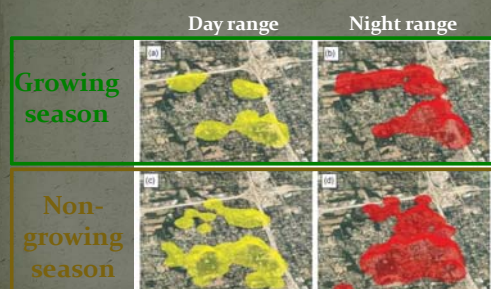


Food sources vary by season



Mississippi State Univ. Deer Lab <http://www.msudeer.com/whatdoeate.asp>

Seasonal changes in activity



W. David Walter, Jeff Beringer, Lonnie P. Hansen, Justin W. Fischer, Joshua J. Millsap and Kurt C. Vercauteren
International Journal of Geographical Information Science Vol. 25, No. 3, March 2011, 379-392

High numbers of deer in urban areas



Human safety



Ecological impacts



