

Appendix V-III

USDA Animal Census of Agriculture Data

Information about the number and types of animal operations in counties located entirely or partially in the Chowan River basin were queried using the 2017 USDA Census of Agriculture. The census and the query are available online: https://quickstats.nass.usda.gov/?source_desc=CENSUS. The census definition of a farm is “any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year” (USDA, 2017). For the purposes of this report, the 2007, 2012, and 2017 census was queried for the sector “animals and products”. To remain consistent with the type of information presented, “inventory” was selected as the category and queried for all three census years. Inventories are measured as of December 31st of the census year (USDA, 2017). Counties included: Bertie, Chowan, Gates, Hertford and Northampton. The number and type of animal operations are included to identify potential sources of nutrients in the basin. More in-depth analysis is needed to understand how the number of animals and operations, fertilizer and crop types as well as soil can potentially impact the amount of nutrients in the basin.

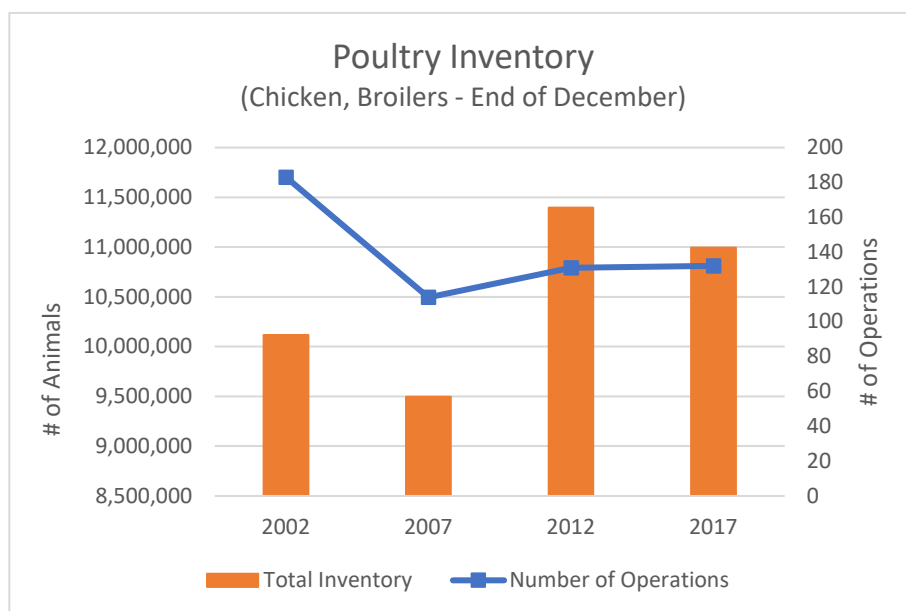
Poultry (Chicken), Total – Inventory

Total Poultry Inventory (CHICKEN, BROILERS)

County	2007	2012	2017	% Change 2007-2012	% Change 2012-2017	% Change 2007-2017	County % of Total (2017)
BERTIE	5,251,485	6,083,898	5,863,743	15.9%	-3.6%	11.7%	53.3%
CHOWAN	259,495	250,475	(D)	-3.5%			
GATES	826,791	1,125,530	1,474,245	36.1%	31.0%	78.3%	13.4%
HERTFORD	1,623,690	2,116,632	2,140,814	30.4%	1.1%	31.8%	19.5%
NORTHAMPTON	1,535,427	1,819,554	1,514,480	18.5%	-16.8%	-1.4%	13.8%
TOTALS	9,496,888	11,396,089	10,993,282	20.0%	-3.5%	15.8%	

Number of Operations with Poultry Inventory

County	2007	2012	2017
BERTIE	51	63	67
CHOWAN	8	6	2
GATES	12	17	20
HERTFORD	21	31	25
NORTHAMPTON	22	14	18
TOTALS	114	131	132



The numbers associated with poultry are the total number of animals (broilers) and total number of operations with inventory reported at a point in time (end of December) for each census year in each county. The USDA NASS provides a breakdown of the farms by inventory. Inventory numbers are: 1 to 49, 50 to 99, 100 to 399, 400 to 3,199, 3,200 to 9,999, 10,000 to 19,999, 20,000 to 49,999, 50,000 to 99,999, 100,000 or more.

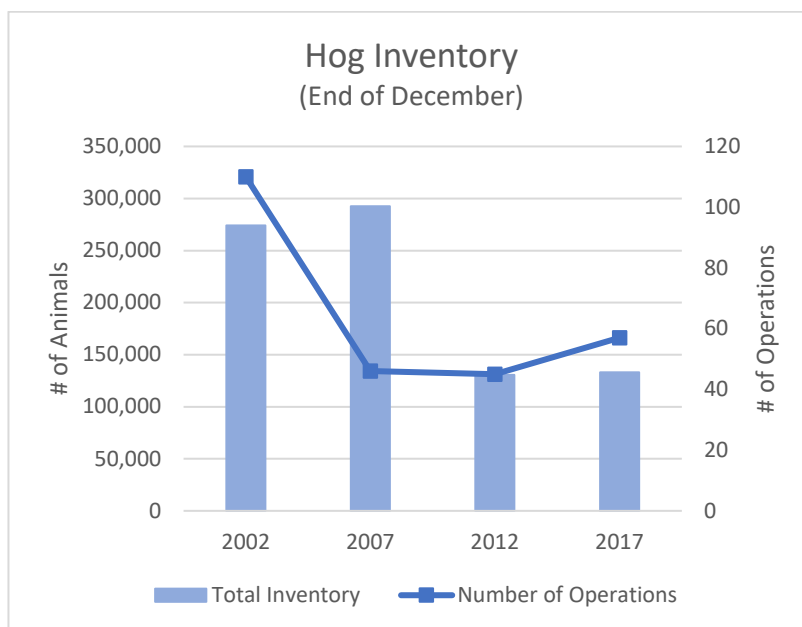
Hogs, Total – Inventory

Total Hogs Inventory

County	2007	2012	2017	% Change 2007-2012	% Change 2012-2017	% Change 2007-2017	County % of Total (2017)
BERTIE	47,307	(D)	(D)				
CHOWAN	(D)	6,220	(D)				
GATES	27,775	22,637	24,195	-18.5%	6.9%	-12.9%	18.2%
HERTFORD	63,721	(D)	(D)				
NORTHAMPTON	153,834	101,623	108,889	-33.9%	7.1%	-29.2%	81.8%
TOTALS	292,637	130,480	133,084	-55.4%	2.0%	-54.5%	

Number of Operations with Hog Inventory

County	2007	2012	2017
BERTIE	7	10	22
CHOWAN	3	7	4
GATES	10	11	14
HERTFORD	9	6	10
NORTHAMPTON	17	11	7
TOTALS	46	45	57



Swine/hog numbers are generally low in the five counties located entirely or partially in the basin. The numbers associated with swine/hogs are the total number of animals and total number of operations with inventory reported at a point in time (end of December) for each census year in each county. The USDA NASS provides a breakdown of the farms by inventory. Inventory numbers are: 1 to 24, 24 to 49, 50 to 99, 100 to 199, 200 to 499, 500 to 999, and 1,000 or more. Only Caldwell and Union counties had inventories marked at 1,000 or more.

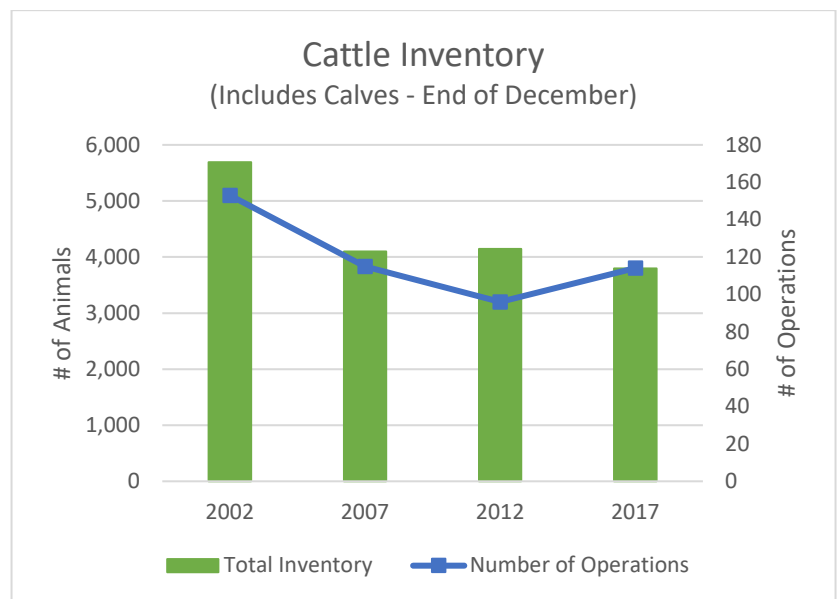
Cattle, Total (Including Calves) - Inventory

Total Cattle (INCLUDING CALVES) Inventory

County	2007	2012	2017	% Change 2007-2012	% Change 2012-2017	% Change 2007-2017	County % of Total (2017)
BERTIE	607	824	725	35.7%	-12.0%	19.4%	19.1%
CHOWAN	1,196	1,293	847	8.1%	-34.5%	-29.2%	22.3%
GATES	617	792	407	28.4%	-48.6%	-34.0%	10.7%
HERTFORD	310	272	261	-12.3%	-4.0%	-15.8%	6.9%
NORTHAMPTON	1,370	961	1,558	-29.9%	62.1%	13.7%	41.0%
TOTALS	4,100	4,142	3,798	1.0%	-8.3%	-7.4%	

Number of Operations with Cattle Inventory

County	2007	2012	2017
BERTIE	22	18	23
CHOWAN	31	19	18
GATES	19	20	15
HERTFORD	9	15	7
NORTHAMPTON	34	24	51
TOTALS	115	96	114



The numbers associated with cattle are the total number of animals and total number of operations with inventory reported at a point in time (end of December) for each census year in each county.