



National Resources Inventory 2003 Annual NRI

Non-Federal Grazing Land

February 2007

Estimates presented here are based upon the latest information from the National Resources Inventory (NRI). The NRI is a longitudinal sample survey based upon scientific statistical principles and procedures. It is conducted by the U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS), in cooperation with Iowa State University's Center for Survey Statistics and Methodology. These results are based upon the 2003 Annual NRI, which statistically updates 1997 NRI results with data collected during 2000 – 2003. The NRI was conducted on a five-year cycle during the period 1982 to 1997, but now is conducted annually. NRI data were collected every five years for 800,000 sample sites; annual NRI data collection occurs at slightly less than 25 percent of these same sample sites. Current estimates cover the contiguous 48 states. Future estimates will include Hawaii, Alaska, the Caribbean, and selected Pacific Basin islands.

NRI data release procedures are affected by implementation of an annual data collection approach, because the scale of NRI estimates is affected by these reduced sample sizes. Estimates are being released when they meet NRI statistical standards and are scientifically credible in accordance with NRCS policy, and in accordance with OMB and USDA Quality of Information Guidelines.

The 2003 Annual NRI data are suitable for national, many regional, and some state level analyses. Selected state-level results are reported here. These results will be supplemented in 2008 with additional estimates that compare net change and land cover/use dynamics with previous inventories.

Until these supplements are released, direct comparisons between 1997 and 2003 NRI estimates to determine change or trends will produce incorrect inferences and is scientifically invalid because:

1. There have been improvements in statistical estimation techniques and procedures between 1997 and 2003.
2. Data from previous inventory cycles were reviewed (edited) concurrently with the 2003 NRI data collection effort.

Margins of error are reported for each NRI estimate and must be considered at all scales of analysis. The margin of error is used to construct the 95 percent confidence interval for the estimate. The lower bound of the interval is obtained by subtracting the margin of error from the estimate; the upper bound is obtained by adding the margin of error to the estimate. A 95 percent confidence interval means that in repeated samples from the same population, 95 percent of the time the true underlying population parameter will be contained within the lower and upper bounds of the interval. In the following tables, an asterisk (*) replaces the estimate if the margin of error is greater than the estimate. If the margin of error is greater than the estimate, the confidence interval includes zero, and the estimate should not be used.

2003 Non-Federal Grazing Land by State, in Thousands of Acres, with Margins of Error

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
Alabama	3400.8 ±207.0	*	695.9 ±131.6	4169.3 ±286.3
Arizona	82.0 ±56.2	32254.7 ±1214.3	3800.8 ±986.4	36137.5 ±730.6
Arkansas	5322.1 ±362.8	*	1814.2 ±309.0	7174.1 ±454.8
California	1188.6 ±236.1	17758.0 ±1077.1	5315.7 ±735.8	24262.3 ±1139.0
Colorado	1001.8 ±127.2	24790.6 ±836.2	2039.8 ±449.4	27832.2 ±871.8
Connecticut	128.7 ±23.1	0.0 ±0.0	15.2 ±13.4	143.9 ±28.4
Delaware	22.9 ±10.7	0.0 ±0.0	*	23.6 ±10.5
Florida	3619.4 ±375.3	2696.7 ±372.2	1184.1 ±324.2	7500.2 ±498.2
Georgia	2798.1 ±233.8	0.0 ±0.0	294.6 ±115.7	3092.7 ±241.7
Idaho	1316.6 ±158.2	6420.7 ±393.8	1766.9 ±419.9	9504.2 ±522.9
Illinois	2254.0 ±203.4	0.0 ±0.0	416.9 ±106.1	2670.9 ±256.2
Indiana	1897.7 ±167.1	0.0 ±0.0	272.0 ±64.3	2169.7 ±176.1
Iowa	3460.5 ±194.7	0.0 ±0.0	776.0 ±128.8	4236.5 ±236.8
Kansas	2397.8 ±192.1	15844.4 ±340.7	767.5 ±155.4	19009.7 ±400.1

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
Kentucky	5147.9 ±254.7	0.0 ±0.0	894.5 ±145.6	6042.4 ±249.0
Louisiana	2249.3 ±200.0	283.5 ±39.0	894.9 ±180.8	3427.7 ±301.2
Maine	137.4 ±37.9	0.0 ±0.0	*	138.2 ±37.5
Maryland	456.7 ±55.8	0.0 ±0.0	17.8 ±5.0	474.5 ±57.1
Massachusetts	135.9 ±34.8	0.0 ±0.0	*	140.6 ±34.3
Michigan	2158.2 ±180.2	0.0 ±0.0	61.7 ±37.2	2219.9 ±197.4
Minnesota	3590.6 ±284.6	0.0 ±0.0	796.7 ±156.5	4387.3 ±306.4
Mississippi	3223.9 ±244.9	0.0 ±0.0	667.3 ±109.0	3891.2 ±271.6
Missouri	10673.6 ±370.6	87.5 ±39.5	3225.8 ±340.9	13986.9 ±517.9
Montana	3594.4 ±365.6	36697.9 ±1019.9	3190.4 ±654.9	43482.7 ±956.8
Nebraska	1849.9 ±140.1	23077.7 ±469.4	561.2 ±108.4	25488.8 ±493.9
Nevada	269.5 ±76.8	8276.6 ±222.6	238.6 ±156.4	8784.7 ±233.7
New Hampshire	89.3 ±26.7	0.0 ±0.0	12.5 ±10.5	101.8 ±27.1
New Jersey	101.6 ±24.2	0.0 ±0.0	*	105.1 ±23.8

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
New Mexico	232.1 ±151.6	39955.5 ±959.3	4751.6 ±835.4	44939.2 ±687.2
New York	2584.1 ±165.4	0.0 ±0.0	145.6 ±47.8	2729.7 ±169.8
North Carolina	1832.3 ±185.2	0.0 ±0.0	173.1 ±59.2	2005.4 ±191.5
North Dakota	951.2 ±198.7	11078.1 ±471.0	238.1 ±76.5	12267.4 ±401.8
Ohio	2271.3 ±175.1	0.0 ±0.0	224.5 ±90.6	2495.8 ±183.3
Oklahoma	8458.1 ±241.9	14129.1 ±438.7	5368.8 ±423.3	27956.0 ±547.8
Oregon	1761.3 ±241.8	9379.4 ±619.9	3262.1 ±636.0	14402.8 ±735.0
Pennsylvania	2000.0 ±190.4	0.0 ±0.0	187.4 ±83.5	2187.4 ±206.5
Rhode Island	26.5 ±9.3	0.0 ±0.0	0.0 ±0.0	26.5 ±9.3
South Carolina	1093.4 ±144.0	0.0 ±0.0	117.4 ±53.9	1210.8 ±157.4
South Dakota	1985.4 ±228.0	22054.3 ±452.3	413.9 ±119.8	24453.6 ±464.9
Tennessee	4756.6 ±287.5	0.0 ±0.0	725.2 ±115.1	5481.8 ±330.6
Texas	15836.3 ±550.4	96109.3 ±1012.2	1937.0 ±270.5	113882.6 ±986.0
Utah	722.4 ±197.5	10666.9 ±570.0	1395.5 ±497.3	12784.8 ±555.0

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
Vermont	314.4 ±45.7	0.0 ±0.0	22.2 ±12.0	336.6 ±45.5
Virginia	2904.5 ±194.6	0.0 ±0.0	376.0 ±79.9	3280.5 ±205.0
Washington	1080.1 ±129.3	5861.0 ±378.9	3128.9 ±675.5	10070.0 ±759.0
West Virginia	1472.4 ±161.6	0.0 ±0.0	748.6 ±158.3	2221.0 ±243.1
Wisconsin	3081.2 ±244.3	0.0 ±0.0	581.7 ±131.6	3662.9 ±268.5
Wyoming	1081.0 ±454.6	27535.5 ±475.7	774.7 ±316.2	29391.2 ±434.7

Note: A * indicates that the margin of error is greater than the estimate.

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