National Resources Inventory
2003 Annual NRI

Total Surface Area by Land Cover/Use

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 Total Surface Area by Land Cover/Use by State, in Thousands of Acres, with Margins of Error

State	Cropland	CRP Land	Pastureland	Rangeland	Forest Land	Other Rural Land	Developed Land	Water Areas	Federal Land	Total Surface Area
Alabama	2509.0 ±189.2	459.0 n/a	3400.8 ±207.0	*	21530.0 ±284.5	449.2 ±87.1	2723.9 ±238.4	1281.4 ±42.7	997.9 n/a	33423.8 n/a
Arizona	933.9 ±133.8	0.0 n/a	82.0 ±56.2	32254.7 ±1214.3	4141.4 ±970.6	3028.6 ±537.9	1910.5 ±380.0	187.1 ±8.1	30426.2 n/a	72964.4 n/a
Arkansas	7522.0 ±469.2	146.0 n/a	5322.1 ±362.8	*	15007.8 ±477.2	392.8 ±63.8	1603.3 ±161.7	900.9 ±32.9	3104.2 n/a	34036.9 n/a
California	9468.2 ±716.5	133.8 n/a	1188.6 ±236.1	17758.0 ±1077.1	13903.2 ±695.7	4624.2 ±628.2	5925.1 ±389.9	1870.1 ±28.5	46639.0 n/a	101510.2 n/a
Colorado	8348.0 ±646.3	2193.3 n/a	1001.8 ±127.2	24790.6 ±836.2	3289.0 ±497.1	1006.0 ±168.4	1870.7 ±233.5	328.2 ±22.8	23796.9 n/a	66624.5 n/a
Connecticut	172.2 ±31.2	0.0 n/a	128.7 ±23.1	0.0 ±0.0	1706.0 ±53.5	104.1 ±21.1	941.5 ±41.7	127.7 ±5.5	14.5 n/a	3194.7 n/a
Delaware	457.5 ±35.1	1.7 n/a	22.9 ±10.7	0.0 ±0.0	340.6 ±41.7	126.0 ±26.7	264.6 ±33.1	289.2 ±3.7	31.0 n/a	1533.5 n/a
Florida	2873.2 ±383.3	78.4 n/a	3619.4 ±375.3	2696.7 ±372.2	12732.7 ±410.6	2807.0 ±364.3	5852.7 ±386.0	3089.4 ±36.2	3784.2 n/a	37533.7 n/a
Georgia	4151.9 ±289.4	293.6 n/a	2798.1 ±233.8	0.0 ±0.0	21893.2 ±391.5	854.2 ±122.3	4572.0 ±212.7	1053.5 ±35.1	2124.0 n/a	37740.5 n/a
Idaho	5452.6 ±341.2	784.3 n/a	1316.6 ±158.2	6420.7 ±393.8	4006.9 ±317.5	577.6 ±117.6	811.5 ±71.4	554.0 ±11.0	33563.3 n/a	53487.5 n/a
Illinois	23980.5 ±272.6	635.2 n/a	2254.0 ±203.4	0.0 ±0.0	3949.3 ±187.7	675.5 ±62.4	3347.3 ±150.4	725.8 ±21.4	491.1 n/a	36058.7 n/a
Indiana	13315.6 ±226.1	224.8 n/a	1897.7 ±167.1	0.0 ±0.0	3816.5 ±154.8	646.0 ±76.1	2421.0 ±119.4	364.4 ±17.4	472.4 n/a	23158.4 n/a
Iowa	25511.1 ±255.8	1480.6 n/a	3460.5 ±194.7	0.0 ±0.0	2301.3 ±142.3	833.2 ±76.7	1779.3 ±104.9	478.1 ±18.4	172.4 n/a	36016.5 n/a

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Kansas	26466.3 ±401.6	2607.2 n/a	2397.8 ±192.1	15844.4 ±340.7	1549.3 ±110.7	726.6 ±71.4	2025.3 ±84.6	539.9 ±19.3	504.0 n/a	52660.8 n/a
Kentucky	5478.5 ±269.9	270.2 n/a	5147.9 ±254.7	0.0 ±0.0	10510.1 ±214.4	534.3 ±60.0	2000.2 ±107.4	626.8 ±15.2	1295.4 n/a	25863.4 n/a
Louisiana	5435.0 ±226.5	200.5 n/a	2249.3 ±200.0	283.5 ±39.0	13337.7 ±210.9	2940.1 ±136.6	1801.7 ±68.4	3819.0 ±41.9	1310.0 n/a	31376.8 n/a
Maine	384.5 ±81.5	29.7 n/a	137.4 ±37.9	0.0 ±0.0	17620.3 ±216.5	524.0 ±141.4	810.1 ±100.7	1253.0 ±24.7	207.2 n/a	20966.2 n/a
Maryland	1516.6 ±92.4	12.2 n/a	456.7 ±55.8	0.0 ±0.0	2369.5 ±84.2	339.3 ±29.4	1346.4 ±93.6	1660.3 ±10.2	168.9 n/a	7869.9 n/a
Massachusetts	251.7 ±52.4	0.0 n/a	135.9 ±34.8	0.0 ±0.0	2664.9 ±103.9	249.9 ±43.1	1572.6 ±74.3	366.9 ±12.9	97.1 n/a	5339.0 n/a
Michigan	8097.2 ±261.0	238.9 n/a	2158.2 ±180.2	0.0 ±0.0	16708.2 ±268.6	1841.5 ±174.5	3915.2 ±167.2	1116.4 ±26.7	3273.6 n/a	37349.2 n/a
Minnesota	21099.6 ±522.1	1422.7 n/a	3590.6 ±284.6	0.0 ±0.0	16356.5 ±603.1	2741.3 ±181.3	2321.8 ±116.5	3141.3 ±32.3	3336.1 n/a	54009.9 n/a
Mississippi	4975.5 ±234.5	790.9 n/a	3223.9 ±244.9	0.0 ±0.0	16754.6 ±311.5	427.0 ±74.4	1676.3 ±132.3	884.3 ±39.3	1794.8 n/a	30527.3 n/a
Missouri	13677.9 ±283.4	1460.9 n/a	10673.6 ±370.6	87.5 ±39.5	12549.9 ±356.2	688.3 ±89.9	2710.5 ±117.9	845.9 ±23.4	1919.4 n/a	44613.9 n/a
Montana	14526.6 ±835.3	3254.1 n/a	3594.4 ±365.6	36697.9 ±1019.9	5402.0 ±522.4	1437.6 ±213.6	1069.1 ±106.9	1036.3 ±38.3	27092.0 n/a	94110.0 n/a 0
Nebraska	19552.3 ±440.9	1083.2 n/a	1849.9 ±140.1	23077.7 ±469.4	812.1 ±97.1	779.4 ±66.0	1233.9 ±107.1	473.5 ±22.0	647.6 n/a	49509.6 n/a
Nevada	636.1 ±152.2	0.0 n/a	269.5 ±76.8	8276.6 ±222.6	314.0 ±121.9	492.1 ±95.1	474.7 ±106.3	431.2 ±5.1	59868.9 n/a	70763.1 n/a
New Hampshire	124.6 ±27.1	0.0 —	89.3 ±26.7	0.0 ±0.0	3898.7 ±91.4	193.1 ±36.6	635.2 ±61.0	236.9 ±13.2	763.2 n/a	5941.0 n/a

State	Cropland	CRP Land	Pastureland	Rangeland	Forest Land	Other Rural Land	Developed Land	Water Areas	Federal Land	Total Surface Area
New Jersey	527.9 ±56.9	0.0 n/a	101.6 ±24.2	0.0 ±0.0	1604.5 ±77.5	383.2 ±44.3	1923.9 ±89.1	526.2 ±10.8	148.3 n/a	5215.6 n/a
New Mexico	1548.7 ±199.9	583.2 n/a	232.1 ±151.6	39955.5 ±959.3	5477.6 ±860.2	2059.3 ±402.5	1364.8 ±186.2	153.6 ±15.6	26448.5 n/a	77823.3 n/a
New York	5358.9 ±228.9	48.8 n/a	2584.1 ±165.4	0.0 ±0.0	17598.5 ±279.5	817.7 ±85.9	3465.4 ±164.1	1282.1 ±24.1	205.3 n/a	31360.8 n/a
North Carolina	5512.8 ±248.8	87.6 n/a	1832.3 ±185.2	0.0 ±0.0	15456.1 ±318.6	873.2 ±102.8	4667.2 ±236.1	2772.6 ±23.9	2507.5 n/a	33709.3 n/a
North Dakota	24266.5 ±435.7	3203.5 n/a	951.2 ±198.7	11078.1 ±471.0	466.5 ±80.2	1408.6 ±134.7	1007.3 ±70.4	1084.2 ±17.9	1784.8 n/a	45250.7 n/a
Ohio	11243.3 ±250.6	238.4 n/a	2271.3 ±175.1	0.0 ±0.0	7225.1 ±215.4	836.3 ±95.8	3856.4 ±151.6	400.7 ±14.7	373.3 n/a	26444.8 n/a
Oklahoma	8971.3 ±410.0	1003.2 n/a	8458.1 ±241.9	14129.1 ±438.7	7367.9 ±272.7	450.5 ±53.8	2130.7 ±133.1	1079.0 ±37.8	1148.3 n/a	44738.1 n/a
Oregon	3701.0 ±296.6	440.8 n/a	1761.3 ±241.8	9379.4 ±619.9	12733.6 ±490.7	746.2 ±165.3	1313.1 ±142.1	825.2 ±21.1	31260.4 n/a	62161.0 n/a
Pennsylvania	5124.3 ±241.8	59.9 n/a	2000.0 ±190.4	0.0 ±0.0	15630.7 ±303.3	713.6 ±105.2	4265.5 ±168.0	476.9 ±17.1	724.3 n/a	28995.2 n/a
Rhode Island	20.3 ±11.0	0.0 n/a	26.5 ±9.3	0.0 ±0.0	373.7 ±22.5	18.4 ±9.6	219.5 ±15.7	151.4 ±2.4	3.5 n/a	813.3 n/a
South Carolina	2367.9 ±132.3	180.9 n/a	1093.4 ±144.0	0.0 ±0.0	11161.2 ±237.7	831.4 ±88.0	2468.8 ±113.9	799.5 ±17.1	1036.2 n/a	19939.3 n/a
South Dakota	17086.6 ±381.1	1296.9 n/a	1985.4 ±228.0	22054.3 ±452.3	503.1 ±103.9	1458.2 ±180.0	981.2 ±107.8	880.1 ±14.8	3112.2 n/a	49358.0 n/a
Tennessee	4750.0 ±212.7	232.9 n/a	4756.6 ±287.5	0.0 ±0.0	11959.3 ±275.3	571.6 ±63.7	2616.4 ±149.2	784.2 ±10.0	1302.6 n/a	26973.6 n/a
Texas	25562.3 ±700.9	3993.2 n/a	15836.3 ±550.4	96109.3 ±1012.2	10613.1 ±373.3	2286.3 ±180.9	9656.4 ±346.1	4085.1 ±53.7	2909.9 n/a	171051.9 n/a

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Utah	1682.1 ±196.7	199.5 n/a	722.4 ±197.5	10666.9 ±570.0	1875.6 ±440.6	2376.1 ±546.7	736.9 ±136.7	1800.6 ±19.3	34278.8 n/a	54338.9 n/a
Vermont	586.5 ±56.8	0.0 n/a	314.4 ±45.7	0.0 ±0.0	4129.4 ±76.9	93.4 ±26.8	346.5 ±31.7	260.8 ±4.7	422.6 n/a	6153.6 n/a
Virginia	2862.4 ±178.8	38.3 n/a	2904.5 ±194.6	0.0 ±0.0	13181.5 ±183.7	581.3 ±89.7	2936.6 ±119.8	1936.1 ±17.3	2646.4 n/a	27087.1 n/a
Washington	6493.8 ±366.7	1194.3 n/a	1080.1 ±129.3	5861.0 ±378.9	12707.1 ±398.5	953.4 ±126.0	2279.4 ±205.5	1542.7 ±22.1	11923.5 n/a	44035.3 n/a
West Virginia	820.6 ±142.5	0.9 n/a	1472.4 ±161.6	0.0 ±0.0	10556.2 ±161.8	255.6 ±96.7	1011.8 ±64.1	178.8 ±10.9	1211.9 n/a	15508.2 n/a
Wisconsin	10303.6 ±330.8	578.3 n/a	3081.2 ±244.3	0.0 ±0.0	14528.2 ±300.2	1700.4 ±147.1	2595.3 ±167.6	1287.7 ±29.5	1845.3 n/a	35920.0 n/a
Wyoming	2161.1 ±296.6	272.0 n/a	1081.0 ±454.6	27535.5 ±475.7	948.6 ±248.9	759.5 ±216.0	656.7 ±78.6	440.4 ±15.8	28748.0 n/a	62602.8 n/a

Note: Acreages for CRP Land, Federal Land, and Total Surface Area are established through geospatial processes and administrative records; therefore, statistical margins of error are not applicable and shown as n/a. A * indicates that the margin of error is greater than the estimate. Total surface area of the contiguous United States is 1,937.7 million acres. Cropland includes cultivated and non-cultivated cropland.

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