Soil and Water Resources Conservation Act

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Surface Area by Land Cover/Use, 2003

Millions of Acres and Percent of Total Surface Area

- **Cropland**: 368 million acres (19%)
- **CRP Land**: 32 million acres (2%)
- **Pastureland**: 117 million acres (6%)
- **Rangeland**: 405 million acres (21%)
- **Federal Land**: 402 million acres (21%)
- **Water**: 50 million acres (2%)
- **Developed Land**: 108 million acres (6%)
- **Other Rural Land**: 50 million acres (2%)

Total Surface Area = 1,938 Million Acres

Cropland includes cultivated and non-cultivated cropland.
Erosion on Cropland by Year
(Billions of Tons)

1982: 3.06
1987: 2.79
1992: 2.17
1997: 1.89
2002: 1.81
2007: 1.74

- **Sheet & Rill Erosion**
- **Wind Erosion**

Cropland includes cultivated and non-cultivated cropland.
Losses and Gains in Palustrine and Estuarine Wetlands, 1992 to 2007

- Gross losses
- Gross gains
- Net change

Acres in thousands

1992 to 1997
1997 to 2002
2002 to 2007
Source: Census of Agriculture, NASS, USDA.
Program participation by payment type and typology category, in percent, FY 2008
Freshwater 3%

Other 0.9%

Surface water 0.3%

Ground water 30.1%

Icecaps and glaciers 68.7%

Rivers 2%

Wetlands 11%

Lakes 87%

Saline 97%

Irrigation water withdrawals, by source, 2005

Total withdrawals – 128 billion gallons per day

- Ground Water: 42%
- Surface Water: 58%

Regional Distribution:
- Groundwater Share
- Surface Water Share

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Inherent Soil Leaching Potential of Dominant Mapunit Component on All Land Cover Types
Effect of tile drainage on nutrient losses

Source: USGS, Dubrovsky 2010
Nitrate concentrations in young and old groundwater

Source: USGS, Dubrovsky 2010
Potential average annual per-acre nitrogen loss reductions on cultivated cropland through application of comprehensive conservation treatment

- High
- Moderate
- Low

Pounds per acre per year

- National average*
- Pacific Northwest
- Missouri
- Texas Gulf/Arkansas-White-Red
- Great Lakes/Souris-Red-Rainy
- Upper Mississippi
- Lower Mississippi
- Ohio-Tennessee
- New England-Mid-Atlantic
- South Atlantic Gulf

* Does not include estimates for the Western Basins, which are currently not available.

Source: USDA, Preliminary data, CEAP Cropland Assessment