SUBJECT: SOIL EROSION
CATEGORY: USLE IN RELATION TO "T"*
QUALIFIER: 1982,1987, 1992, 1997 CULTIVATED CROPLAND
REPORTING UNIT: ACRES, TONS/ACRE/YEAR, TOTAL TONS
GEOGRAPHIC UNIT: STATE OF MISSOURI

TABLE: SUMMARY REVIEW OF SHEET AND RILL EROSION ON NONCULTIVATED CROPLAND, 1982 – 1997

	1982	1987	1992	1997
Acres of Non-Cultivated Cropland	1,875,100	1,734,700	2,352,700	3,234,000
Average USLE Soil Loss Rate On Non-Cultivated Cropland (tons/acre/year)	1.0	.7	.7	.7
Total Soil Loss On Noncultivated Crop-Land (total tons)	1,776,100	1,236,500	1,710,000	2,106,900
Acres of Non-Cultivated Cropland Eroding Above "T"	76,400	44,000	53,300	60,800
Average USLE Soil Loss Rate On Non-Cultivated Cropland Eroding Above "T" (tons/acre/year)	8.1	6.4	6.6	6.2
Total Soil Loss On Noncultivated Crop-Land Eroding Above "T" (total tons)	620,100	283,800	352,000	382,400

* USLE – Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" FACTOR – The soil loss factor used in conjunction with the USLE. It is the maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

SOURCE: NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)