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Idaho Basic Statistics 1982 National Resources Inventory

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Introduction

This publication presents information about soil and water on one-third of Idaho's land — nonfederal land where we grow crops, raise livestock, manage forests, and build our cities and towns.

The basic data presented are part of the 1982 National Resources Inventory (NRI). This comprehensive survey of our nation's nonfederal land resources was conducted by employees of the U.S. Department of Agriculture's Soil Conservation Service. The NRI is a result of legislation under the Soil and Water Resources Conservation Act of 1977 (RCA).

Onsite investigations were made to obtain the data. In Idaho, about 4,200 randomly selected primary sampling units (generally 160 acres each) were investigated. Detailed observations of resources were made at specific points within each unit. Urban areas, water bodies, and rural transportation areas were measured using detailed analysis. Sample field data collected in 1980 and 1981 were updated to reflect conditions that existed in the summer of 1982. The field data collected by SCS were compiled by Iowa State University's Statistical Laboratory.

These data update the 1967 estimates of conservation needs and soil erosion and the 1977 NRI. Comparison of 1982 and preceeding SCS inventories is difficult because of procedural changes and technological improvements in the 1982 NRI. However, some trends and interpretations of resource condition are presented in "Idaho's Soil and Water: Condition and Trends," published by the SCS, Boise, Idaho.

Data from the 1982 NRI will be helpful to SCS and other federal agencies and units of government down to the county level in directing future conservation programs. It will help soil and water conservation districts in developing current and long-range plans and programs. USDA will use NRI data in assessing its conservation programs.

The data in this publication are displayed in two different ways: by land capability class and subclass and major land resource area. Following is an explanation of these terms.

Land Capability

The land of the United States has a wide range of climatic and soil conditions which produce a wide range in capability of land for agricultural and other uses. SCS has developed a land capability classification system, based on soil survey data, to group these conditions for agricultural purposes. Each soil can be placed into one of eight land capability classes.

Each capability class has several subclasses to identify specific limitations on use: the letter e stands for erosion risk, w for wetness, s for shallow or root zone problems, and c for climatic limitations. For example, land identified as Class IIe would be suitable for growing crops if adequate measures were installed to reduce or prevent soil erosion.

Class I soils have few limitations that restrict their use.

Class II soils have moderate limitations that reduce the choice of plants or that require moderate conservation practices.

Class III soils have severe limitations that reduce the choice of plants, require special conservation practices, or both.

Class IV soils have very severe limitations that reduce the choice of plants, require very careful management, or both.

Class V soils are not likely to erode but have other limitations, impractical to remove, that limit their use largely to pasture or range, woodland, or wildlife.

Class VI soils have severe limitations that make them generally unsuitable for cultivation and limit their use largely to pasture or range, woodland, or wildlife.

Class VII soils have very severe limitations that make them unsuitable for cultivation and that restrict their use largely to pasture or range, woodland, or wildlife.

Class VIII soils and landforms have limitations that preclude their use for commercial crop production and restrict their use to recreation, wildlife, or water supply, or to esthetic purposes.

Major Land Resource Area

Major land resource areas (MLRA) are a group of geographically associated land resource units. They are usually several thousand acres in extent and are characterized by particular patterns of soil (including slope and erosion), climate, vegetation, water resources, land use, and type of farming.

Identification of these large areas provides a broad synthesis of current knowledge about the soil resources of Idaho and is very useful in developing and coordinating soil and water conservation programs.

Major Land Resource Areas
Idaho

9	Palouse and Nez Perce Prairies
10	Upper Snake River Lava Plains and Hills
10a	Big and Little Wood River Footslopes and Plains
11	Snake River Plains
11a	Central Snake River Plains
11b	Upper Snake River Plains
12	Lost River Valley and Mountains
13	Eastern Idaho Plateaus
25	Owyhee High Plateau
28a	Great Salt Lake Area
43	Northern Rocky Mountains
44	Northern Rocky Mountain Valleys
47	Wasatch and Uinta Mountains

Descriptions of Idaho's 13 major land resource areas follow. They are based on information from many sources, mostly within SCS.

MLRA Descriptions

MLRA 9 — Palouse and Nez Perce Prairies. Nealry all of the area is in farms and ranches. Most of the area is dryfarm cropland. Wheat, barley, lentils, and peas are the main crops. Many valley areas are irrigated; grain, hay, pasture, and vegetables are major crops. Livestock graze most of the land not in cropland. Timber production is important on forested mountains and sides of steep canyons.

Elevation and Topography: Elevation ranges from 2,000 to 3,500 feet on the plateaus, 700 to 1,200 feet in the canyons, and near 5,000 feet on some mountains. Deep canyons dissect the area.

Climate: Average annual precipitation is 13-30 inches; evenly distributed through fall, winter, and spring but low in summer. Average annual temperature is 43-55 degrees F. Average freeze-free period is 100-150 days on the plateaus, and near 190 days in the canyons.

Water: Rainfall is adequate for dry farming. Irrigation is limited to areas adjacent to large streams. Groundwater supplies are small and mostly untapped.

Soils: The better agricultural soils formed in deep loess and volcanic ash on plateaus and hilly uplands. Shallow and stony or rocky soils are on south-facing slopes of steep canyons. Deep soils are on north-facing slopes.

MLRA 10 — Upper Snake River Lava Plains and Hills. Nearly 60 percent of the MLRA is federally owned; most of the remainder is in farms and ranches. About 75 percent of the land is rangeland. Timber harvest is important in forests, which also provide recreation and wildlife habitat. About five percent of the total area, land bordering streams, is irrigated and used for growing potatoes, other row crops, small grains, hay, and pasture. Where rainfall is adequate, small areas of deep soils are dryfarmed.

Elevation and Topography: Elevation ranges from 1,300 to 6,500 feet, increasing from west to east. The lava plains and hills are nearly level to steeply sloping. Deep alluvial deposits are in valleys and on fans adjacent to the mountains. Major streams are deeply entrenched, especially in the western part. Isolated mountain ranges occur throughout the area.

Climate: Average annual precipitation is 11-28 inches; evenly distributed through fall, winter, and spring but low in summer. Average annual temperature is 45-55 degrees F. Average freeze-free period is 115-165 days, decreasing from west to east and with elevation.

Water: The low to moderate rainfall is adequate for dry farming on smooth areas of deep soils. Streams provide enough irrigation water to meet present needs in the major valleys. Groundwater supplies are small and mostly untapped.

Soils: The better agricultural soils are moderately deep and deep loams with clayey and loamy subsoils over bedrock and unconsolidated sedimentary deposits. Shallow and moderately deep, stony and non-stony soils are on the mountains. Published soil surveys available include Ada, Gem, and Payette Counties.

MLRA 10a — Big and Little Wood River Footslopes and Plains. About 20 percent of the MLRA is administered by the Forest Service, and 40 percent by the Bureau of Land Management (BLM). The rest is in farms and ranches. Less than 5 percent of the area is irrigated and is used for growing hay, pasture, and small grains. About 5 percent is dryfarmed. Most of the rest is grass and sagebrush used for livestock grazing. The highest mountain slopes are in forests of pine, spruce, and fir. There is some lumbering in the area.

Elevation and Topography: Elevation ranges from 5,000-7,000 feet; some of the higher peaks are more than 9,000 feet. The lava plains and hills are nearly level to moderately steep. Deep alluvial deposits are in the valleys and on alluvial fans adjacent to the mountains.

Climate: Average annual precipitation is 12-25 inches. Average annual temperature is 35-50 degrees F. Average freeze-free period is about 50-110 days.

Water: Rainfall is adequate for dryfarming on the smooth areas of deep soils. Some areas are irrigated from local streams. Groundwater supplies are small and mostly not used for irrigation.

Soils: Shallow and moderately deep loamy and clayey soils formed in lava plains covered by thin loess. Large areas are rocky. The better agricultural soils formed in deep alluvial deposits in valleys and on fans. Wet, loamy soils are on low, nearly level bottomlands.

MLRA 11 — Snake River Plains. About 50 percent of the area is administered by BLM. The rest is in farms and ranches. The privately-owned land is generally on the lower plains bordering the Snake River and is mostly irrigated. Main crops include small grains, corn, hay, beans, potatoes, sugar beets, vegetables, hops, mint, seed crops, and orchards. There is some irrigated pasture. Most of the federally owned land is used for grazing. Forage production is low, and annual grasses have invaded much of the rangeland.

Elevation and Topography: Elevation ranges from 2,000 to 3,500 feet. Most of the area is nearly level to moderately sloping plains, alluvial fans and terraces on loess covered basalt and lake sediments. The Snake River and its large tributaries are entrenched in steep canyons.

Climate: Average annual precipitation is 7-12 inches. Average annual temperature is 50-55 degrees F. Average freeze-free period is 140-190 days.

Water: Large quantities of water are available for irrigation along the Snake River and its tributaries. Groundwater is plentiful for irrigation in some of the deeper alluvial deposits and lava plains near large rivers. It is used extensively for irrigation. Precipitation is too low for dry farming.

Soils: The most important agricultural soils formed in loess over unconsolidated sediments or basalt. A few soils have hardpans. Published soil surveys available include Ada, Canyon, and Payette Counties.

MLRA 11a — Central Snake River Plains. About 70 percent of this area is privately owned. The rest is administered by BLM. About 75 percent of the privately-owned land is irrigated and used to grow small grains, hay, beans, potatoes, sugar beets, corn for silage, and pasture. The rest of the privately-owned land, and nearly all of the federally owned land, is used for livestock grazing. The vegetation is mostly big sagebrush and bluebunch wheatgrass. Forage production is low. Cheatgrass has invaded large areas.

Elevation and Topography: Elevation ranges from 3,000 to 4,500 feet. Most of the area is nearly level to moderately sloping, loess covered basalt plain with some areas of alluvium along the Snake River and its tributaries. Large streams are entrenched in steep canyons.

Climate: Average annual precipitation is 8-11 inches. Average annual temperature is 45-50 degrees F. Average freeze-free period is about 110-140 days.

Water: Large quantities of water are available for irrigation along the Snake River and its tributaries. Groundwater is pumped for irrigation in areas not supplied by the Snake River. Precipitation is too low for dry farming.

Soils: The most important agricultural soils formed in deep and moderately deep loess and silty alluvium. Soils with hardpans formed in loess on old lava flows. Soils with a subsurface layer of clay accumulation are important in the northern one-quarter of the MLRA. Rock outcrops and bare lava flows are mainly north of the Snake River. A published soil survey is available for the Minidoka Area.

MLRA 11b — Upper Snake River Plains. About half of the area is privately owned. Most of the rest is administered by BLM and the Idaho National Engineering Laboratory. Part of the Ft. Hall Indian Reservation is in the MLRA. Nearly one-third of the MLRA is irrigated. The principal crops grown are small grains, potatoes, hay, sugar beets, corn for silage, and irrigated pasture. Most of the federally owned land and the rest of the privately owned land is rangeland. Forage production is low. Cheatgrass has invaded large areas. Areas of bare lava have little agricultural value.

Elevation and Topography: Elevation ranges from 4,300 to 5,500 feet. The nearly-level to moderately sloping lava plains have a thin to deep covering of loess. Alluvial fans, terraces, and bottomlands are nearly level to gently sloping.

Climate: Average annual precipitation is 8-14 inches. Average annual temperature is 42-47 degrees F. Average freeze-free period is 90-130 days.

Water: A large amount of irrigation water is available along the Snake and Blackfoot Rivers and other smaller streams in the area. Groundwater is plentiful in most of the area and is used extensively for irrigation. In some areas, generally at high elevations which depend on local rainfall, water is scarce but adequate for dry farming in a wheat-fallow system.

Soils: Recent lava flows and rockland are extensive. The most important agricultural soils formed in deep and moderately deep loess on basalt bedrock and alluvial deposits. Moderately deep and deep soils with a little more organic matter in their surface horizons are in the northern part of the MLRA at elevations near 4,800 feet or more.

Published soil surveys available include Bingham, Bonneville, Ft. Hall, Jefferson, Madison, and Power.

MLRA 12 – Lost River Valley and Mountains. Nearly all this MLRA is federally owned and administered by the Forest Service and BLM. The high mountain slopes are forested, and some lumber is produced. The low grass and shrubs on the slopes and in the valleys are grazed. Irrigated land in the valleys, amounting to about one percent of the area, is used mostly for hay and pasture, but potatoes and small grains are also grown.

Elevation and Topography: Elevation ranges from 4,500 feet in the valleys to more than 10,000 feet at the highest mountain crests. Steep to very steep mountains underlain by mixed sedimentary rocks and volcanic rocks make up more than 80 percent of the MLRA. The large valleys, deeply mantled by recent alluvium and some lacustrine deposits, are level to moderately sloping.

Climate: Average annual precipitation is 7-11 inches in valleys and 25 inches or more on mountain crests. Average annual temperature is 38-45 degrees F in the valleys, but much lower in the mountains. Average freeze-free period is 80-110 days in the valleys. Frost occurs every month of the year in the high mountains.

Water: The moderate rainfall provides enough moisture for grass and shrubs to grow on mountain slopes. The valleys depend on streamflow of the Salmon, Lemhi, Pahsimeroi, Big Lost, and Little Lost Rivers for water for livestock and irrigation. Springs and deep wells in the valleys supply a small amount of groundwater for domestic uses and for irrigation.

Soils: The most important agricultural soils formed in loamy deposits on gravelly alluvial fans and terraces. Shallow and moderately deep soils are on steep mountains.

MLRA 13 — Eastern Idaho Plateaus. Nearly three-fourths of the land is in farms and ranches. The remainder is federally owned and administered by the Forest Service and BLM. Most of the Ft. Hall Indian Reservation is in this MLRA. About 25 percent of the MLRA is dryfarmed. Wheat is the major crop. An additional 10 percent, land along some of the large streams, is irrigated and used largely for alfalfa hay, meadows and pasture, but some small gains and potatoes are also grown. About 50 percent of the MLRA is rangeland. About 10 percent, consisting of high mountain slopes, is in forests that produce some timber and are grazed.

Elevation and Topography: Elevation ranges from 4,500 to 6,500 feet in plains and plateaus and from 7,500 to 8,500 feet on mountain crests. Elevation of some peaks is more than 10,000 feet. The dissected plateaus and plains are underlain by sedimentary rocks that are mantled by loess on gentle and moderate slopes. Lacustrine deposits and deep alluvium fill some level valleys and basins. The plains and plateaus are separated by many rugged, but discontinuous, mountain ranges and peaks.

Climate: Average annual precipitation is 12-25 inches; lowest from mid-summer through autumn. Average annual temperature is 40-45 degrees F, but lower in the mountains. Average freeze-free period is 50-120 days. Frost occurs every month of the year in the high mountains.

Water: Rainfall provides water for dry farming and grazing, but careful management is needed to make the best use of the limited amount. Several large streams flow through the area and supply water for irrigation, mainly outside the MLRA. Small, but important areas, are irrigated along the Bear, Portneuf, Blackfoot, Snake, and Teton Rivers. Groundwater is scarce except near large streams.

Soils: The most important soils formed in deep loess. Moderately deep soils on gravelly alluvial fans and terraces are important too. Shallow, rocky, and deep soils are on steep mountains. Published soil surveys available include Bingham, Bonneville, Ft. Hall, Madison, Power and Teton.

MLRA 25 — Owyhee High Plateau. About 75 percent of this area is federally owned and managed by the Forest Service and BLM. Most of the remainder is in farms and ranches. Livestock production on rangelands is the main agricultural activity. Small acreages are dry farmed to wheat. Open forests on high mountain slopes are grazed by livestock and wildlife.

Elevation and Topography: Elevation ranges from 4,500 to 7,500 feet on rolling plateaus and gently sloping basins and more than 10,000 feet on some steep mountains.

Climate: Average annual precipitation is 8-16 inches in most of the area, but as much as 30 inches on mountain slopes; evenly distributed throughout the year, although low from mid-summer to early autumn. Average annual temperature is 43-47 degrees F. Average freeze-free period is 90-120 days, decreasing with elevation; less than 60 days on high mountains.

Water: Water supplies from rainfall and streamflow are small and unreliable. Streamflow depends largely on accumulated snow on higher mountains. Except near large streams, groundwater supplies are small and little used. Rainfall is adequate for dry farming on a few acreages of deep soils.

Soils: Deep to shallow soils with a layer of clay accumulation are important on basins, fans, and rolling plateaus. Shallow and moderately deep soils are on the mountains. Large areas are stony or rocky.

MLRA 28a — Great Salt Lake Area. BLM and the Forest Service administer about 40 percent of the MLRA. Most of the remainder is in farms and ranches. Livestock production on range is the main agricultural activity. Sagebrush, juniper, and bunchgrasses cover much of the area; desert shrubs in dry basins provide some winter grazing. Open forests of ponderosa pine and Douglas fir on high mountains supply summer grazing and a little lumber. About 20 percent of the area is dry farmed. In the eastern portion, irrigated cropland is used for potatoes, sugar beets, vegetables, pasture, hay, grain, and silage corn. Irrigated land amounts to about 7 percent of the total area.

Elevation and Topography: Elevation ranges from 4,400 to 6,000 feet in basins and valleys, 6,000 to 8,000 feet in the mountains, and near 10,000 feet on the highest peaks. Most of the area is gently to strongly sloping fans and terraces in north-south-trending valleys separated by steep mountain ranges. Nearly level basins are along the southern and eastern boundaries.

Climate: Average annual precipitation is 10-16 inches in the valleys; near 7 inches in the basins of the southwest; and 16-25 inches in the mountains. Average annual temperature is 45-50 degrees F. Average freeze-free period is 60-130 days, decreasing with elevation.

Water: Water is scarce, except in the Bear River Valley near Preston where water is adequate for irrigation. For the most part, streams are small and intermittent and depend on sources in the high mountains. Some groundwater is used for irrigation, but the supply is small and unreliable. Precipitation is adequate for dry farming, except in the dry basins.

Soils: Deep and moderately deep soils formed in loess-covered alluvial fans and lake terraces are the most important for agriculture. Shallow to moderately deep soils are on the mountains. Many areas are stony. Soils in dry basins and valleys are salt affected.

MLRA 43 — Northern Rocky Mountains. About 80 percent of the MLRA is federally owned and administered by the Forest Service. Most of the privately owned land is controlled by large commercial timber companies. About 1.5 million acres is owned by small, non-industrial landowners. Forage and grain, grown under irrigation, provide feed for cattle and sheep, mainly in valleys in the southern part of the MLRA. Forests cover much of the high and intermediate elevations. They are used for timber production, wildlife habitat, and recreation. On lower mountain slopes, especially in the south, forests are open and provide grazing for livestock and big game animals. Mining is an important industry in the north.

Elevation and Topography: Elevation ranges from 3,000 to 8,000 feet; some mountain peaks are near 12,000 feet. High mountains with steep slopes and sharp crests are cut by narrow valleys, most of the which have steep gradients. Lakes are common, especially in glaciated areas.

Climate: Average annual precipitation is 20-50 inches, increasing with elevation, but near 15 inches in valleys of the south. Most of the precipitation is snow. Summers are dry. Average annual temperature is 35-45 degrees F; some of the highest mountains are continuously snow-covered. Average freeze-free period is 60-135 days, decreasing with elevation. Frost occurs every month of the year on high mountains.

Water: Moderate precipitation and many perennial streams and lakes provide ample water, including that needed for irrigation in cultivated valleys. Streams and reservoirs supply water to adjoining MLRAs for irrigation and other uses. Springs and shallow wells in valleys provide a moderate amount of water for domestic use and livestock. Elsewhere, groundwater supplies are small and mostly untapped.

Soils: Moderately deep soils in stony residuum and colluvium are the most extensive soils on steep mountains. Deep, silty soils are on rolling plateaus. Poorly drained soils in the valleys are used for hay and pasture. Published soil surveys available include Benewah, Bonner, Boundary, Idaho, Kootenai, Middle Fork of the Payette, Star Valley, and Valley.

MLRA 44 — Northern Rocky Mountain Valleys. Nearly all this area is private land in farms, ranches, and forest land. Hay, grain, and pasture for livestock feed are the main crops. Grass seed is an important crop in the southern part. A small acreage is irrigated. About 65 percent of the area is forested. Lodgepole pine, ponderosa pine, Douglas fir, grand fir, and western larch are the dominant trees.

Elevation and Topography: Elevation ranges from 1,800 to 3,000 feet in the valleys; isolated mountains rise to a little more than 4,000 feet. The generally north-south-trending valleys have been modified by glaciation. Glacial outwash filled the

gently sloping valleys in the south. The Kootenai River Valley in the north was filled by lake-laid sediments which have been deeply dissected.

Climate: Average annual precipitation is 20-33 inches; fairly evenly distributed through fall, winter, and spring, but low in summer. Most of the winter precipitation is snow. Average annual temperature is 40-47 degrees F. Average freeze-free period is 110-140 days in most of the area and 90 days or less in the mountains.

Water: Water is plentiful. Perennial streams flow into the area from surrounding mountains, and there are several large lakes. Groundwater is abundant in the deep unconsolidated materials, and some is used for irrigation. Rainfall is adequate for dry farming.

Soils: In much of the area, moderately deep, well-drained soils formed in silty and ashy materials over gravelly and cobbly glacial till and outwash. Soils formed in silty materials over glacio-lacustrine sediments are less extensive. Deep, excessively-drained soils formed in thick sandy deposits. Somewhat poorly-drained soils formed in early level floodplains or major streams. Published soil surveys available include Bonner, Boundary, and Kootenai Counties.

MLRA 47 — Wasatch and Uinta Mountains. Nearly 75 percent of the MLRA is administered by the Forest Service. The rest is in farms and ranches. High ridges and mountain tops are in alpine meadows. Intermediate slopes are open woodlands of ponderosa pine and Douglas fir with an understory of shrubs and grasses; dense forests are on north- and east-facing slopes. Big sagebrush and grasses cover lower slopes. The open woodlands, sagebrush-grasslands, and meadows provide summer grazing for livestock. Hay, grain, and pasture are irrigated in the narrow valleys of large creeks. Timber production and recreation are important on the mountain slopes.

Elevation and Topography: Elevation ranges from 5,500 to 8,000 feet and more than 10,000 feet on some peaks. Steep north-south-trending mountains have strongly sloping foot slopes. Some mountain tops and high ridges are sloping or strongly sloping. Many steep, narrow stream valleys dissect the mountains. Several small lakes are at high elevations on the east side of the mountain range.

Climate: Average annual precipitation is mainly 15-30 inches, but as much as 40 inches on high mountain peaks. Precipitation is evenly distributed through the year. Much of the precipitation is snow. Average annual temperature is 35-48 degrees F, decreasing with elevation. Average freeze-free period is 50-120 days; there is no frost-free period on some high mountain peaks.

Water: Perennial streams provide adequate water for range and forestry enterprises, as well as irrigation in narrow valleys at the foot of the mountains. A few small lakes provide water for recreation. Groundwater is adequate for domestic use and for livestock.

Soils: Detailed soil information is lacking, particularly in the mountains. Shallow to moderately deep and stony soils are on the mountains. Deep loamy soils are on sagebrush and grass-covered foot slopes. Poorly drained soils are in meadows.

Definitions

1. **Alkali soil.** A soil that contains sufficient exchangeable sodium (15 percent or more) to interfere with the growth of most crop plants.

2. **Conservation practices.** Measures used to meet specific needs in carrying out soil and water conservation programs for which standards and specifications have been developed.

3. **Cropland.** Land used for the production of adapted crops for harvest, alone or in rotation with grasses and legumes; includes row crops, small grain, hay, nursery, orchard, and other similar specialty crops.

4. **Double-cropping.** The growing for harvest of more than one crop on the same field in the same year. The term usually applies to growing one crop and then planting the second crop at or near harvesting time for the first crop.

5. **Erosion.** The wearing away of the land surface by raindrop splash, flowing water, wind, or other geological agents including gravitational creep.

6. **Flood-prone area.** The lowland and relatively flat areas adjoining inland and coastal waters that are subject to a 1 percent or greater chance of flooding in any given year (floods having an average recurrence interval of once or more in 100 years). Includes areas adjoining rivers, streams, water courses, bays, and lakes.

7. **Forest land.** Land at least 10 percent stocked by forest trees of any size, or formerly having had such tree cover and not currently developed for nonforest use. (10 percent tree canopy cover was used to separate forest land from rangeland in the transition vegetation types.)

8. **Hayland.** Arable land managed for the production of forage crops that are machine harvested. These crops may be grasses, legumes, or a combination of grasses and legumes.

9. **Land cover/use.** A descriptive term used in the resource inventory that includes land cover such as forest land, barren land, urban and built-up land, water bodies, rural transportation land, and land use such as pasture, range, and other land in farms.

10. **Pastureland.** Land used primarily for production of adapted, introduced, or native forage plants for livestock grazing. Cultural treatment in the form of fertilization, weed control, reseeding, or renovation is usually a part of pasture management in addition to grazing management.

11. **Pastureland condition.** A rating of pastureland that is determined by the level of management being applied and the quality and quantity of the forage being produced. In the resource inventory, the following conditions were assigned: good, fair, poor, and not applicable. These terms are not to be confused with range condition.

12. **Potential cropland.** Land not now being cropped that has the capability of being converted to cropland and managed as cropland on a sustained basis. Potential is stated as zero, unlikely, medium, or high.

13. **Prime farmland.** Land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is also available for these uses. The present land use could be cropland, pasture, range, forest, or other land.

14. **Rangeland.** Land on which the climax vegetation (potential natural plant community) is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing and browsing. Includes natural grassland, savannas, many wetlands, some deserts, tundra, and certain forb and shrub communities. Also includes areas seeded to native or adapted introduced species that are managed like native vegetation.

15. **Rangeland condition.** The present state of vegetation compared to the climax vegetation (potential natural plant community) for a site. It is the relative degree to which the kinds, proportion, and amounts of plants in the present plant community resemble that of the climax vegetation for the site and is expressed as a percentage. Range condition is usually expressed as one of four classes: Excellent, over 75 percent; good, 51-75 percent; fair, 26-50 percent; and poor, 0-25 percent.

16. **Rural transportation land.** A category of land cover and land use in the resource inventory that includes all highways, roads, and railroads outside urban and built-up areas. Also includes private roads to farmsteads, logging roads, and other private roads, but not field lanes.

17. **Soil loss tolerance (T).** The maximum average annual soil loss expressed as tons per acre per year that will permit high level production economically and indefinitely.

18. **Treatment needs.** Changes in land use, management, and conservation practices required to protect the land and water resources.

19. **T value.** See Soil loss tolerance (T).

20. **Urban and built-up land.** Land used for residences, industrial sites, commercial sites, construction sites, institutional sites, public administrative sites, railroad yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment plants, water control structures and spillways, etc. Highways, railroads, and other transportation facilities are counted as part of urban and built-up land if they are surrounded by other urban areas.

21. **Use of land.** The kind of activity that takes place on the land. Examples are crop or timber production, recreation, grazing, and residential use. A particular land use may have a number of different land covers.

22. **Water bodies.** The area of the Earth's surface covered by open permanent water such as lakes, ponds, reservoirs, bays, and estuaries.

Table 1a. Surface area of 1982 nonfederal and federal land and census water, by county.

County	Nonfederal	Federal	Census water	Total
	1,000 acres			
Ada	355.1	317.9	5.5	678.5
Adams	318.1	553.6	5.0	876.7
Bannock	518.2	193.4	22.8	734.4
Bear Lake	343.9	290.0	38.0	671.9
Benewah	441.3	60.3	2.0	503.6
Bingham	891.5	449.7	17.7	1,358.9
Blaine	478.8	1,207.2	13.5	1,699.5
Boise	305.8	910.5	4.7	1,221.0
Bonner	602.1	502.9	122.7	1,227.7
Bonneville	567.7	608.6	37.7	1,214.0
Boundary	327.3	484.5	5.6	817.4
Butte	212.5	1,218.8	0.5	1,431.8
Camas	246.7	438.8	3.6	689.1
Canyon	366.6	7.1	12.5	386.2
Caribou	659.4	468.8	23.1	1,151.3
Cassia	773.7	866.4	8.9	1,649.0
Clark	425.5	703.1	0.6	1,129.2
Clearwater	711.6	864.2	16.6	1,592.4
Custer	188.9	2,964.6	7.0	3,160.5
Elmore	583.6	1,382.0	20.5	1,986.1
Franklin	287.4	137.3	2.5	427.2
Fremont	477.9	707.0	27.5	1,212.4
Gem	221.7	135.6	3.6	360.9
Gooding	215.6	250.5	3.2	469.3
Idaho	905.9	4,532.5	3.7	5,442.1
Jefferson	353.2	346.1	8.3	707.6
Jerome	234.2	150.3	2.8	387.3
Kootenai	530.0	263.5	44.8	838.3
Latah	574.6	114.6	0.0	689.2
Lemhi	273.4	2,651.6	0.5	2,925.5
Lewis	298.1	7.5	1.6	307.2
Lincoln	195.1	576.4	0.3	771.8
Madison	238.9	60.8	3.2	302.9
Minidoka	262.9	221.9	3.0	487.8
Nez Perce	519.9	20.7	7.0	547.6
Oneida	373.1	395.0	1.2	769.3
Owyhee	1,226.0	3,665.8	14.4	4,906.2
Payette	193.5	65.7	3.8	263.0
Power	591.7	305.9	25.5	923.1
Shoshone	434.2	1,255.8	0.0	1,690.0
Teton	192.7	95.2	0.0	287.9
Twin Falls	627.5	616.7	8.5	1,252.7
Valley	317.3	2,031.7	40.4	2,389.4
Washington	586.3	344.5	12.5	943.3
Total	19,449.4	33,445.0	586.8	53,481.2

Table 2b. Land cover/use of nonfederal land and small water in 1982, by land capability class and subclass.

Class and subclass	Rural land						Urban and built-up land	Rural transportation	Small water areas	Total
	Cropland	Pastureland	Rangeland	Forest land	Minor land cover/uses	Total				
	1,000 acres									
I	110.8	8.2	0.0	0.0	1.1	120.1	0.0	0.0	0.0	120.1
IIe	994.5	61.6	2.8	0.0	7.6	1,066.5	0.0	0.0	0.0	1,066.5
IIw	86.6	26.4	1.0	0.0	1.8	115.8	0.0	0.0	0.0	115.8
IIs	218.5	26.1	2.2	5.8	8.2	260.8	0.0	0.0	0.0	260.8
IIc	684.3	38.1	8.7	0.0	7.6	738.7	0.0	0.0	0.0	738.7
All II	1,983.9	152.2	14.7	5.8	25.2	2,181.8	0.0	0.0	0.0	2,181.8
IIIe	1,745.7	125.2	364.6	50.7	27.2	2,313.4	0.0	0.0	0.0	2,313.4
IIIw	215.1	110.8	41.8	29.2	10.8	407.7	0.0	0.0	0.0	407.7
IIIs	223.7	44.0	41.8	0.0	12.7	322.2	0.0	0.0	0.0	322.2
IIIc	340.1	26.1	59.1	0.0	4.2	429.5	0.0	0.0	0.0	429.5
All III	2,524.6	306.1	507.3	79.9	54.9	3,472.8	0.0	0.0	0.0	3,472.8
I-III	4,619.3	466.5	522.0	85.7	81.2	5,774.7	0.0	0.0	0.0	5,774.7
IVe	934.7	184.2	755.3	455.8	15.4	2,345.4	0.0	0.0	0.0	2,345.4
IVw	130.3	135.8	76.2	47.5	25.2	415.0	0.0	0.0	0.0	415.0
IVs	179.3	77.0	154.2	89.7	18.2	518.4	0.0	0.0	0.0	518.4
IVc	36.8	11.0	41.0	2.3	1.1	92.2	0.0	0.0	0.0	92.2
All IV	1,281.1	408.0	1,026.7	595.3	59.9	3,371.0	0.0	0.0	0.0	3,371.0
I-IV	5,900.4	874.5	1,548.7	681.0	141.1	9,145.7	0.0	0.0	0.0	9,145.7
V	54.3	134.1	99.2	4.1	13.4	305.1	0.0	0.0	0.0	305.1
VIe	260.6	93.6	1,490.9	928.4	40.5	2,814.0	0.0	0.0	0.0	2,814.0
VIw	6.6	9.3	7.6	0.0	11.9	35.4	0.0	0.0	0.0	35.4
VIs	41.9	46.0	502.7	27.1	18.5	636.2	0.0	0.0	0.0	636.2
VIc	50.0	19.3	308.7	0.0	46.9	424.9	0.0	0.0	0.0	424.9
All VI	359.1	168.2	2,309.9	955.5	117.8	3,910.5	0.0	0.0	0.0	3,910.5
VIIe	48.3	56.5	1,463.4	2,021.6	42.6	3,632.4	0.0	0.0	0.0	3,632.4
VIIw	2.7	6.4	0.5	3.3	8.3	21.2	0.0	0.0	0.0	21.2
VIIs	23.7	29.1	1,242.1	264.6	18.8	1,578.3	0.0	0.0	0.0	1,578.3
VIIc	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.9
All VII	74.7	92.0	2,706.0	2,289.5	70.6	5,232.8	0.0	0.0	0.0	5,232.8
VIII	1.6	5.4	69.1	47.0	189.7	312.8	0.0	0.0	0.0	312.8
V-VIII	489.7	399.7	5,184.2	3,296.1	391.5	9,761.2	0.0	0.0	0.0	9,761.2
NA	0.0	0.0	0.0	0.0	27.4	27.4	188.8	254.6	71.7	542.5
Total	6,390.1	1,274.2	6,732.9	3,977.1	560.0	18,934.3	188.8	254.6	71.7	19,449.4

Table 3b. Cropland use in 1982, by land capability class and subclass.

Class and subclass	Cultivated cropland: Row crops	Close-grown crops	Double-cropped	Other cultivated crops	Total	Horticulture	Hayland	Total cropland
	1,000 acres							
I	57.5	36.7	0.0	5.6	99.8	0.6	10.4	110.8
IIe	208.4	584.9	2.3	87.0	882.6	3.3	108.6	994.5
IIw	16.5	44.0	0.0	7.2	67.7	0.0	18.9	86.6
IIs	74.1	89.3	0.0	14.3	177.7	0.2	40.6	218.5
IIc	214.2	316.8	0.8	81.8	613.6	0.0	70.7	684.3
All II	513.2	1,035.0	3.1	190.3	1,741.6	3.5	238.8	1,983.9
IIIe	160.6	1,078.2	1.6	293.4	1,533.8	7.5	204.4	1,745.7
IIIw	34.3	111.7	0.0	11.1	157.1	0.9	57.1	215.1
IIIs	32.4	101.6	2.2	22.8	159.0	0.0	64.7	223.7
IIIc	9.4	172.7	0.0	84.9	267.0	0.0	73.1	340.1
All III	236.7	1,464.2	3.8	412.2	2,116.9	8.4	399.3	2,524.6
I-III	807.4	2,535.9	6.9	608.1	3,958.3	12.5	648.5	4,619.3
IVe	126.3	544.2	0.0	134.2	804.7	3.7	126.3	934.7
IVw	7.0	65.1	0.0	6.3	78.4	0.0	51.9	130.3
IVs	17.1	47.1	0.0	18.1	82.3	0.0	97.0	179.3
IVc	4.0	23.9	0.0	6.8	34.7	0.0	2.1	36.8
All IV	154.4	680.3	0.0	165.4	1,000.1	3.7	277.3	1,281.1
I-IV	961.8	3,216.2	6.9	773.5	4,958.4	16.2	925.8	5,900.4
V	1.6	10.3	0.0	0.0	11.9	0.0	42.4	54.3
VIe	5.2	135.7	0.0	88.0	228.9	1.2	30.5	260.6
VIw	0.0	5.2	0.0	0.0	5.2	0.0	1.4	6.6
VIs	0.0	21.5	0.0	8.3	29.8	0.0	12.1	41.9
VIc	0.0	21.8	0.0	25.2	47.0	0.0	3.0	50.0
All VI	5.2	184.2	0.0	121.5	310.9	1.2	47.0	359.1
VIIe	0.0	27.7	0.0	8.1	35.8	0.0	12.5	48.3
VIIw	0.0	2.7	0.0	0.0	2.7	0.0	0.0	2.7
VIIs	0.0	19.0	0.0	2.2	21.2	0.0	2.5	23.7
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	0.0	49.4	0.0	10.3	59.7	0.0	15.0	74.7
VIII	0.0	1.6	0.0	0.0	1.6	0.0	0.0	1.6
V-VIII	6.8	245.5	0.0	131.8	384.1	1.2	104.4	489.7
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	968.6	3,461.7	6.9	905.3	5,342.5	17.4	1,030.2	6,390.1

Table 4b. Nonirrigated cropland use in 1982, by land capability class and subclass.

Class and subclass	Cultivated cropland							
	Row crops	Close-grown crops	Double-cropped	Other cultivated crops	Total	Horticulture	Hayland	Total nonirrigated cropland
	1,000 acres							
I	0.0	0.0	0.0	1.6	1.6	0.0	0.0	1.6
IIe	0.0	252.1	0.0	34.4	286.5	0.0	10.1	296.6
IIw	0.0	10.5	0.0	0.2	10.7	0.0	0.0	10.7
IIs	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
IIc	0.0	0.8	0.0	0.0	0.8	0.0	4.3	5.1
All II	0.0	263.4	0.0	34.6	298.0	0.0	14.9	312.9
IIIe	0.0	767.8	0.0	243.7	1,011.5	0.0	74.2	1,085.7
IIIw	0.5	67.8	0.0	5.3	73.6	0.0	14.7	88.3
IIIs	0.0	11.2	0.0	4.7	15.9	0.0	4.4	20.3
IIIc	0.2	131.7	0.0	77.1	209.0	0.0	47.9	256.9
All III	0.7	978.5	0.0	330.8	1,310.0	0.0	141.2	1,451.2
I-III	0.7	1,241.9	0.0	367.0	1,609.6	0.0	156.1	1,765.7
IVe	0.0	415.4	0.0	102.3	517.7	0.0	39.9	557.6
IVw	0.0	39.6	0.0	5.1	44.7	0.0	28.9	73.6
IVs	0.0	15.5	0.0	7.2	22.7	0.0	16.3	39.0
IVc	3.3	21.5	0.0	6.3	31.1	0.0	0.7	31.8
All IV	3.3	492.0	0.0	120.9	616.2	0.0	85.8	702.0
I-IV	4.0	1,733.9	0.0	487.9	2,225.8	0.0	241.9	2,467.7
V	0.0	4.2	0.0	0.0	4.2	0.0	7.8	12.0
VIe	1.7	111.7	0.0	86.4	199.8	0.0	22.6	222.4
VIw	0.0	4.6	0.0	0.0	4.6	0.0	0.7	5.3
VIs	0.0	6.5	0.0	6.2	12.7	0.0	3.1	15.8
VIc	0.0	19.3	0.0	25.2	44.5	0.0	3.0	47.5
All VI	1.7	142.1	0.0	117.8	261.6	0.0	29.4	291.0
VIIe	0.0	26.4	0.0	5.2	31.6	0.0	11.9	43.5
VIIw	0.0	2.7	0.0	0.0	2.7	0.0	0.0	2.7
VIIs	0.0	9.4	0.0	0.5	9.9	0.0	1.8	11.7
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	0.0	38.5	0.0	5.7	44.2	0.0	13.7	57.9
VIII	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V-VIII	1.7	184.8	0.0	123.5	310.0	0.0	50.9	360.9
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	5.7	1,918.7	0.0	611.4	2,535.8	0.0	292.8	2,828.6

Table 5b. Irrigated cropland use in 1982, by land capability class and subclass.

Class and subclass	Cultivated cropland: Row crops	Close-grown crops	Double-cropped	Other cultivated crops	Total	Horticulture	Hayland	Total irrigated cropland
	1,000 acres							
I	57.5	36.7	0.0	4.0	98.2	0.6	10.4	109.2
IIe	208.4	332.8	2.3	52.6	596.1	3.3	98.5	697.9
IIw	16.5	33.5	0.0	7.0	57.0	0.0	18.9	75.9
IIs	74.1	89.3	0.0	14.3	177.7	0.2	40.1	218.0
IIc	214.2	316.0	0.8	81.8	612.8	0.0	66.4	679.2
All II	513.2	771.6	3.1	155.7	1,443.6	3.5	223.9	1,671.0
IIIe	160.6	310.4	1.6	49.7	522.3	7.5	130.2	660.0
IIIw	33.8	43.9	0.0	5.8	83.5	0.9	42.4	126.8
IIIs	32.4	90.4	2.2	18.1	143.1	0.0	60.3	203.4
IIIc	9.2	41.0	0.0	7.8	58.0	0.0	25.2	83.2
All III	236.0	485.7	3.8	81.4	806.9	8.4	258.1	1,073.4
I-III	806.7	1,294.0	6.9	241.1	2,348.7	12.5	492.4	2,853.6
IVe	126.3	128.8	0.0	31.9	287.0	3.7	86.4	377.1
IVw	7.0	25.5	0.0	1.2	33.7	0.0	23.0	56.7
IVs	17.1	31.6	0.0	10.9	59.6	0.0	80.7	140.3
IVc	0.7	2.4	0.0	0.5	3.6	0.0	1.4	5.0
All IV	151.1	188.3	0.0	44.5	383.9	3.7	191.5	579.1
I-IV	957.8	1,482.3	6.9	285.6	2,732.6	16.2	683.9	3,432.7
V	1.6	6.1	0.0	0.0	7.7	0.0	34.6	42.3
VIe	3.5	24.0	0.0	1.6	29.1	1.2	7.9	38.2
VIw	0.0	0.6	0.0	0.0	0.6	0.0	0.7	1.3
VIs	0.0	15.0	0.0	2.1	17.1	0.0	9.0	26.1
VIc	0.0	2.5	0.0	0.0	2.5	0.0	0.0	2.5
All VI	3.5	42.1	0.0	3.7	49.3	1.2	17.6	68.1
VIIe	0.0	1.3	0.0	2.9	4.2	0.0	0.6	4.8
VIIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIIs	0.0	9.6	0.0	1.7	11.3	0.0	0.7	12.0
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	0.0	10.9	0.0	4.6	15.5	0.0	1.3	16.8
VIII	0.0	1.6	0.0	0.0	1.6	0.0	0.0	1.6
V-VIII	5.1	60.7	0.0	8.3	74.1	1.2	53.5	128.8
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	962.9	1,543.0	6.9	293.9	2,806.7	17.4	737.4	3,561.5

Table 6b. Pastureland and forest land use in 1982, by land capability class and subclass.

Class and subclass	Pastureland							Forest land		
	Nonirrigated			Irrigated						
	Grazed	Ungrazed	Total	Grazed	Ungrazed	Total	Total	Grazed	Ungrazed	Total
	1,000 acres									
I	0.0	0.0	0.0	8.2	0.0	8.2	8.2	0.0	0.0	0.0
IIe	3.1	0.0	3.1	58.5	0.0	58.5	61.6	0.0	0.0	0.0
IIw	4.0	0.0	4.0	22.4	0.0	22.4	26.4	0.0	0.0	0.0
IIs	0.4	0.4	0.8	25.3	0.0	25.3	26.1	5.8	0.0	5.8
IIc	0.8	1.0	1.8	36.3	0.0	36.3	38.1	0.0	0.0	0.0
All II	8.3	1.4	9.7	142.5	0.0	142.5	152.2	5.8	0.0	5.8
IIIe	48.7	0.5	49.2	74.7	1.3	76.0	125.2	24.4	26.3	50.7
IIIw	41.5	9.5	51.0	59.1	0.7	59.8	110.8	16.2	13.0	29.2
IIIs	5.2	1.3	6.5	37.5	0.0	37.5	44.0	0.0	0.0	0.0
IIIc	21.6	0.0	21.6	4.5	0.0	4.5	26.1	0.0	0.0	0.0
All III	117.0	11.3	128.3	175.8	2.0	177.8	306.1	40.6	39.3	79.9
I-III	125.3	12.7	138.0	326.5	2.0	328.5	466.5	46.4	39.3	85.7
IVe	102.2	11.5	113.7	69.8	0.7	70.5	184.2	247.0	208.8	455.8
IVw	92.9	6.1	99.0	36.8	0.0	36.8	135.8	29.4	18.1	47.5
IVs	30.9	6.6	37.5	36.7	2.8	39.5	77.0	31.0	58.7	89.7
IVc	6.9	0.8	7.7	3.3	0.0	3.3	11.0	2.3	0.0	2.3
All IV	232.9	25.0	257.9	146.6	3.5	150.1	408.0	309.7	285.6	595.3
I-IV	358.2	37.7	395.9	473.1	5.5	478.6	874.5	356.1	324.9	681.0
V	87.8	2.8	90.6	43.1	0.4	43.5	134.1	4.1	0.0	4.1
VIe	65.2	19.3	84.5	9.1	0.0	9.1	93.6	375.1	553.3	928.4
VIw	8.0	0.0	8.0	1.3	0.0	1.3	9.3	0.0	0.0	0.0
VIs	39.4	1.2	40.6	5.4	0.0	5.4	46.0	10.5	16.6	27.1
VIc	18.9	0.4	19.3	0.0	0.0	0.0	19.3	0.0	0.0	0.0
All VI	131.5	20.9	152.4	15.8	0.0	15.8	168.2	385.6	569.9	955.5
VIIe	55.3	0.5	55.8	0.7	0.0	0.7	56.5	638.1	1,383.5	2,021.6
VIIw	4.3	0.0	4.3	2.1	0.0	2.1	6.4	0.4	2.9	3.3
VIIs	24.4	1.2	25.6	3.5	0.0	3.5	29.1	82.5	182.1	264.6
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	84.0	1.7	85.7	6.3	0.0	6.3	92.0	721.0	1,568.5	2,289.5
VIII	5.4	0.0	5.4	0.0	0.0	0.0	5.4	9.6	37.4	47.0
V-VIII	308.7	25.4	334.1	65.2	0.4	65.6	399.7	1,120.3	2,175.8	3,296.1
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	666.9	63.1	730.0	538.3	5.9	544.2	1,274.2	1,476.4	2,500.7	3,977.1

Table 9b. Conservation treatment needs on nonirrigated cropland in 1982, by land capability class and subclass.

Class and subclass	Adequately protected	Treatment needed			Total
		Erosion control	Drainage	Total	
	1,000 acres				
I	0.2	1.4	0.0	1.4	1.6
IIe	94.1	199.9	2.6	202.5	296.6
IIw	5.4	4.5	0.8	5.3	10.7
IIs	0.5	0.0	0.0	0.0	0.5
IIc	5.1	0.0	0.0	0.0	5.1
All II	105.1	204.4	3.4	207.8	312.9
IIIe	127.0	957.6	1.1	958.7	1,085.7
IIIw	42.4	33.7	12.2	45.9	88.3
IIIs	12.6	7.7	0.0	7.7	20.3
IIIc	94.3	161.7	0.9	162.6	256.9
All III	276.3	1,160.7	14.2	1,174.9	1,451.2
I-III	381.6	1,366.5	17.6	1,384.1	1,765.7
IVe	40.1	517.5	0.0	517.5	557.6
IVw	50.7	16.0	6.9	22.9	73.6
IVs	15.8	23.2	0.0	23.2	39.0
IVc	2.9	28.9	0.0	28.9	31.8
All IV	109.5	585.6	6.9	592.5	702.0
I-IV	491.1	1,952.1	24.5	1,976.6	2,467.7
V	11.3	0.7	0.0	0.7	12.0
VIe	35.7	186.7	0.0	186.7	222.4
VIw	5.3	0.0	0.0	0.0	5.3
VIs	2.8	13.0	0.0	13.0	15.8
VIc	21.9	25.6	0.0	25.6	47.5
All VI	65.7	225.3	0.0	225.3	291.0
VIIe	3.7	39.8	0.0	39.8	43.5
VIIw	0.0	2.7	0.0	2.7	2.7
VIIs	1.8	9.9	0.0	9.9	11.7
VIIc	0.0	0.0	0.0	0.0	0.0
All VII	5.5	52.4	0.0	52.4	57.9
VIII	0.0	0.0	0.0	0.0	0.0
V-VIII	82.5	278.4	0.0	278.4	360.9
NA	0.0	0.0	0.0	0.0	0.0
Total	573.6	2,230.5	24.5	2,255.0	2,828.6

Table 10b. Conservation treatment needs on irrigated cropland in 1982, by land capability class and subclass.

Class and subclass	Adequately protected	Treatment needed: Erosion control	Drainage	Irrigation management	Total	Total
			1,000 acres			
I	25.3	7.2	0.4	76.3	83.9	109.2
IIe	139.5	339.4	0.0	219.0	558.4	697.9
IIw	17.6	24.5	0.2	33.6	58.3	75.9
IIs	48.1	96.5	2.6	70.8	169.9	218.0
IIc	172.7	313.9	0.0	192.6	506.5	679.2
All II	377.9	774.3	2.8	516.0	1,293.1	1,671.0
IIIe	147.0	303.3	0.0	209.7	513.0	660.0
IIIw	29.0	25.0	1.0	71.8	97.8	126.8
IIIs	54.2	74.8	1.9	72.5	149.2	203.4
IIIc	50.8	14.7	0.0	17.7	32.4	83.2
All III	281.0	417.8	2.9	371.7	792.4	1,073.4
I-III	684.2	1,199.3	6.1	964.0	2,169.4	2,853.6
IVe	66.1	215.4	0.0	95.6	311.0	377.1
IVw	22.6	10.3	1.3	22.5	34.1	56.7
IVs	39.7	30.8	0.0	69.8	100.6	140.3
IVc	0.7	2.2	0.0	2.1	4.3	5.0
All IV	129.1	258.7	1.3	190.0	450.0	579.1
I-IV	813.3	1,458.0	7.4	1,154.0	2,619.4	3,432.7
V	9.5	0.5	20.6	11.7	32.8	42.3
VIe	10.3	14.9	0.0	13.0	27.9	38.2
VIw	1.3	0.0	0.0	0.0	0.0	1.3
VIs	5.8	8.0	0.0	12.3	20.3	26.1
VIc	0.0	0.0	0.0	2.5	2.5	2.5
All VI	17.4	22.9	0.0	27.8	50.7	68.1
VIIe	0.0	2.9	0.0	1.9	4.8	4.8
VIIw	0.0	0.0	0.0	0.0	0.0	0.0
VIIs	3.5	7.8	0.0	0.7	8.5	12.0
VIIc	0.0	0.0	0.0	0.0	0.0	0.0
All VII	3.5	10.7	0.0	2.6	13.3	16.8
VIII	0.5	1.1	0.0	0.0	1.1	1.6
V-VIII	30.9	35.2	20.6	42.1	97.9	128.8
NA	0.0	0.0	0.0	0.0	0.0	0.0
Total	844.2	1,493.2	28.0	1,196.1	2,717.3	3,561.5

Table 11b. Conservation treatment needs on pastureland in 1982, by land capability class and subclass.

Class and subclass	Adequately protected	Treatment not feasible	Treatment needed: Erosion control	Drainage	Irrigation management	Protection	Improvement	Reestablishment	Total	Total
					1,000 acres					
I	3.4	0.0	0.0	0.0	3.6	0.0	1.2	0.0	4.8	8.2
IIe	9.3	0.0	2.9	0.0	31.1	5.7	12.6	0.0	52.3	61.6
IIw	7.6	0.0	3.0	0.0	12.0	1.7	1.7	0.4	18.8	26.4
IIs	3.2	0.4	0.0	0.0	8.4	5.6	8.1	0.4	22.5	26.1
IIc	13.1	0.0	0.0	0.0	15.0	2.5	3.8	3.7	25.0	38.1
All II	33.2	0.4	5.9	0.0	66.5	15.5	26.2	4.5	118.6	152.2
IIIe	39.7	0.0	4.3	4.4	30.1	24.5	12.0	10.2	85.5	125.2
IIIw	35.2	7.5	3.4	4.3	29.7	8.2	15.6	6.9	68.1	110.8
IIIs	6.8	0.0	0.0	0.0	21.8	8.3	4.0	3.1	37.2	44.0
IIIc	13.6	0.0	0.0	0.0	4.0	4.2	1.5	2.8	12.5	26.1
All III	95.3	7.5	7.7	8.7	85.6	45.2	33.1	23.0	203.3	306.1
I-III	131.9	7.9	13.6	8.7	155.7	60.7	60.5	27.5	326.7	466.5
IVe	79.6	0.0	8.0	1.8	19.3	22.3	28.5	24.7	104.6	184.2
IVw	52.7	1.8	0.0	4.0	19.5	23.6	18.0	16.2	81.3	135.8
IVs	19.4	0.0	0.0	0.4	9.0	20.6	21.0	6.6	57.6	77.0
IVc	7.9	0.0	1.1	0.0	0.0	0.7	1.3	0.0	3.1	11.0
All IV	159.6	1.8	9.1	6.2	47.8	67.2	68.8	47.5	246.6	408.0
I-IV	291.5	9.7	22.7	14.9	203.5	127.9	129.3	75.0	573.3	874.5
V	29.4	1.4	0.0	7.1	28.0	34.2	24.4	9.6	103.3	134.1
VIe	38.5	0.0	10.4	0.0	4.6	9.0	22.0	9.1	55.1	93.6
VIw	5.4	0.0	0.0	0.0	0.0	0.0	0.9	3.0	3.9	9.3
VIs	17.7	0.0	2.4	0.0	0.7	6.9	15.1	3.2	28.3	46.0
VIc	6.7	0.0	1.1	0.0	0.0	2.8	8.7	0.0	12.6	19.3
All VI	68.3	0.0	13.9	0.0	5.3	18.7	46.7	15.3	99.9	168.2
VIIe	9.6	0.5	30.0	0.0	0.0	8.9	2.9	4.6	46.4	56.5
VIIw	2.0	0.0	0.0	1.8	2.1	0.5	0.0	0.0	4.4	6.4
VIIs	6.4	1.6	0.0	0.0	1.7	12.7	1.9	4.8	21.1	29.1
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	18.0	2.1	30.0	1.8	3.8	22.1	4.8	9.4	71.9	92.0
VIII	0.0	2.5	0.5	0.0	0.0	0.3	2.1	0.0	2.9	5.4
V-VIII	115.7	6.0	44.4	8.9	37.1	75.3	78.0	34.3	278.0	399.7
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	407.2	15.7	67.1	23.8	240.6	203.2	207.3	109.3	851.3	1,274.2

Table 12b. Conservation treatment needs on rangeland in 1982, by land capability class and subclass.

Class and subclass	Adequately protected	Treatment not feasible	Treatment needed: Erosion control	Protection	Improvement without brush management	Improvement with brush management	Reestablishment	Brush management and reestablishment	Total	Total
	1,000 acres									
I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIe	0.0	0.0	0.0	1.0	0.0	0.0	0.8	1.0	2.8	2.8
IIw	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0
IIs	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.2	2.2
IIc	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	8.7	8.7
All II	0.0	0.0	0.0	1.0	0.0	11.9	0.8	1.0	14.7	14.7
IIIe	70.5	1.6	3.3	23.0	71.5	133.5	26.3	34.9	292.5	364.6
IIIw	6.6	1.8	0.0	5.2	9.4	8.0	9.8	1.0	33.4	41.8
IIIs	0.0	0.0	0.0	9.5	0.6	9.9	1.5	20.3	41.8	41.8
IIIc	16.4	0.5	0.0	8.8	9.3	22.3	0.4	1.4	42.2	59.1
All III	93.5	3.9	3.3	46.5	90.8	173.7	38.0	57.6	409.9	507.3
I-III	93.5	3.9	3.3	47.5	90.8	185.6	38.8	58.6	424.6	522.0
IVe	256.6	23.1	26.2	67.5	58.9	253.9	48.1	21.0	475.6	755.3
IVw	13.1	8.9	0.7	11.5	1.4	37.5	3.1	0.0	54.2	76.2
IVs	34.8	2.6	0.0	41.8	2.4	64.5	4.4	3.7	116.8	154.2
IVc	12.2	2.2	0.0	14.4	2.7	8.4	0.0	1.1	26.6	41.0
All IV	316.7	36.8	26.9	135.2	65.4	364.3	55.6	25.8	673.2	1,026.7
I-IV	410.2	40.7	30.2	182.7	156.2	549.9	94.4	84.4	1,097.8	1,548.7
V	31.1	4.4	0.0	30.4	16.0	9.0	2.8	5.5	63.7	99.2
VIe	253.6	56.6	40.3	327.4	149.2	407.0	117.5	139.3	1,180.7	1,490.9
VIw	0.0	2.8	0.0	1.7	0.0	1.2	0.0	1.9	4.8	7.6
VIs	81.7	19.4	4.6	74.3	61.3	164.3	36.4	60.7	401.6	502.7
VIc	57.3	7.4	2.8	54.7	28.4	88.3	30.9	38.9	244.0	308.7
All VI	392.6	86.2	47.7	458.1	238.9	660.8	184.8	240.8	1,831.1	2,309.9
VIIe	366.0	141.8	80.8	272.7	155.0	360.3	45.1	41.7	955.6	1,463.4
VIIw	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
VIIs	294.6	104.1	59.7	221.5	144.1	354.2	30.9	33.0	843.4	1,242.1
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	661.1	245.9	140.5	494.2	299.1	714.5	76.0	74.7	1,799.0	2,706.0
VIII	10.1	22.2	9.2	4.1	5.3	16.8	1.4	0.0	36.8	69.1
V-VIII	1,094.9	358.7	197.4	986.8	559.3	1,401.1	265.0	321.0	3,730.6	5,184.2
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,505.1	399.4	227.6	1,169.5	715.5	1,951.0	359.4	405.4	4,828.4	6,732.9

Table 13b. Conservation treatment needs on ungrazed forest land in 1982, by land capability class and subclass.

Class and subclass	Adequately protected	Treatment not feasible	Erosion control	Treatment needed: Timber establishment and reinforcement	Treatment needed: Timber stand improvement	Treatment needed: Timber crop improvement	Treatment needed: Total	Total
	1,000 acres							
I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All II	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIIe	6.9	0.7	0.0	5.5	13.2	0.0	18.7	26.3
IIIw	0.0	0.0	0.0	2.1	9.6	1.3	13.0	13.0
IIIs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All III	6.9	0.7	0.0	7.6	22.8	1.3	31.7	39.3
I-III	6.9	0.7	0.0	7.6	22.8	1.3	31.7	39.3
IVe	53.7	1.2	6.5	10.7	136.7	0.0	153.9	208.8
IVw	0.8	0.0	0.0	5.9	11.4	0.0	17.3	18.1
IVs	14.4	0.0	0.0	5.0	39.3	0.0	44.3	58.7
IVc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All IV	68.9	1.2	6.5	21.6	187.4	0.0	215.5	285.6
I-IV	75.8	1.9	6.5	29.2	210.2	1.3	247.2	324.9
V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIe	113.0	22.0	2.2	76.9	332.9	6.3	418.3	553.3
VIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIs	5.6	1.2	4.7	2.2	2.9	0.0	9.8	16.6
VIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VI	118.6	23.2	6.9	79.1	335.8	6.3	428.1	569.9
VIIe	290.8	57.2	12.9	177.1	835.8	9.7	1,035.5	1,383.5
VIIw	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
VIIs	41.6	29.7	0.5	38.0	71.8	0.5	110.8	182.1
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	332.4	86.9	13.4	215.1	910.5	10.2	1,149.2	1,568.5
VIII	9.1	7.0	0.0	0.0	13.8	7.5	21.3	37.4
V-VIII	460.1	117.1	20.3	294.2	1,260.1	24.0	1,598.6	2,175.8
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	535.9	119.0	26.8	323.4	1,470.3	25.3	1,845.8	2,500.7

Table 14b. Conservation treatment needs on grazed forest land in 1982, by land capability class and subclass.

Class and subclass	Adequately protected	Treatment not feasible	Treatment needed: Erosion control	Timber establishment and reinforcement	Timber stand improvement	Timber crop improvement	Forage protection	Improvement or reestablishment of forage	Total	Total
	1,000 acres									
I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIs	4.6	0.0	0.0	0.6	0.6	0.0	0.0	0.0	1.2	5.8
IIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All II	4.6	0.0	0.0	0.6	0.6	0.0	0.0	0.0	1.2	5.8
IIIe	9.0	0.0	0.0	0.0	11.2	0.0	0.9	3.3	15.4	24.4
IIIw	12.1	0.0	0.0	2.7	1.4	0.0	0.0	0.0	4.1	16.2
IIIs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All III	21.1	0.0	0.0	2.7	12.6	0.0	0.9	3.3	19.5	40.6
I-III	25.7	0.0	0.0	3.3	13.2	0.0	0.9	3.3	20.7	46.4
IVe	74.6	0.7	1.3	32.5	92.5	5.9	2.8	36.7	171.7	247.0
IVw	14.6	0.0	0.0	0.0	1.3	0.0	10.7	2.8	14.8	29.4
IVs	20.0	0.5	0.0	0.0	0.9	9.6	0.0	0.0	10.5	31.0
IVc	1.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	2.3
All IV	110.7	1.2	1.3	32.5	94.7	15.5	14.3	39.5	197.8	309.7
I-IV	136.4	1.2	1.3	35.8	107.9	15.5	15.2	42.8	218.5	356.1
V	0.0	1.8	0.0	0.0	1.4	0.0	0.0	0.9	2.3	4.1
VIe	102.9	17.7	2.8	28.3	155.0	12.3	21.5	34.6	254.5	375.1
VIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIs	4.4	0.0	0.0	0.0	0.0	0.0	0.7	5.4	6.1	10.5
VIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VI	107.3	17.7	2.8	28.3	155.0	12.3	22.2	40.0	260.6	385.6
VIIe	205.8	40.3	4.4	37.8	209.4	5.0	35.8	99.6	392.0	638.1
VIIw	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.4
VIIs	33.0	0.7	0.0	10.7	6.4	2.4	11.2	18.1	48.8	82.5
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	238.8	41.0	4.4	48.5	215.8	7.4	47.4	117.7	441.2	721.0
VIII	0.0	5.6	0.0	0.0	1.4	1.3	0.0	1.3	4.0	9.6
V-VIII	346.1	66.1	7.2	76.8	373.6	21.0	69.6	159.9	708.1	1,120.3
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	482.5	67.3	8.5	112.6	481.5	36.5	84.8	202.7	926.6	1,476.4

Table 16b. Estimated average annual erosion on 1982 cultivated cropland, by land capability class and subclass.

Class and subclass	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
I	0.0	0.0	208.5	2.1	99.8	208.5	2.1
IIe	2,926.1	3.3	3,133.1	3.6	882.6	6,059.2	6.9
IIw	159.5	2.4	85.2	1.3	67.7	244.7	3.6
IIs	674.0	3.8	363.0	2.0	177.7	1,037.0	5.8
IIc	2,744.0	4.5	863.5	1.4	613.6	3,607.5	5.9
All II	6,503.6	3.7	4,444.8	2.6	1,741.6	10,948.4	6.3
IIIe	3,983.9	2.6	12,349.0	8.1	1,533.8	16,332.9	10.7
IIIw	169.6	1.1	292.8	1.9	157.1	462.4	2.9
IIIs	636.4	4.0	192.1	1.2	159.0	828.5	5.2
IIIc	704.7	2.6	1,411.3	5.3	267.0	2,116.0	7.9
All III	5,494.6	2.6	14,245.2	6.7	2,116.9	19,739.8	9.3
I-III	11,998.2	3.0	18,898.5	4.8	3,958.3	30,896.7	7.8
IVe	4,260.3	5.3	8,692.8	10.8	804.7	12,953.1	16.1
IVw	131.2	1.7	102.9	1.3	78.4	234.1	3.0
IVs	109.0	1.3	178.4	2.2	82.3	287.4	3.5
IVc	102.8	3.0	383.0	11.0	34.7	485.8	14.0
All IV	4,603.3	4.6	9,357.1	9.4	1,000.1	13,960.4	14.0
I-IV	16,601.5	3.4	28,255.6	5.7	4,958.4	44,857.1	9.1
V	0.5	0.0	14.7	1.2	11.9	15.2	1.3
VIe	908.0	4.0	2,677.2	11.7	228.9	3,585.2	15.7
VIw	0.0	0.0	2.4	0.5	5.2	2.4	0.5
VIs	343.8	11.5	87.7	2.9	29.8	431.5	14.5
VIc	197.6	4.2	111.0	2.4	47.0	308.6	6.6
All VI	1,449.4	4.7	2,878.3	9.3	310.9	4,327.7	13.9
VIIe	306.0	8.6	499.2	13.9	35.8	805.2	22.5
VIIw	0.0	0.0	7.1	2.6	2.7	7.1	2.6
VIIs	67.8	3.2	66.5	3.1	21.2	134.3	6.3
VIIc	-	-	-	-	0.0	-	-
All VII	373.8	6.3	572.8	9.6	59.7	946.6	15.9
VIII	0.0	0.0	4.2	2.6	1.6	4.2	2.6
V-VIII	1,823.7	4.8	3,470.0	9.0	384.1	5,293.7	13.8
NA	-	-	-	-	0.0	-	-
Total	18,425.2	3.5	31,725.6	5.9	5,342.5	50,150.8	9.4

Table 17b. Estimated average annual erosion on all 1982 cropland, by land capability class and subclass.

Class and subclass	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
I	0.0	0.0	210.8	1.9	110.8	210.8	1.9
IIe	2,936.8	3.0	3,169.7	3.2	994.5	6,106.5	6.1
IIw	159.5	1.8	87.0	1.0	86.6	246.5	2.8
IIs	674.0	3.1	370.6	1.7	218.5	1,044.6	4.8
IIc	2,745.6	4.0	873.7	1.3	684.3	3,619.3	5.3
All II	6,515.9	3.3	4,501.0	2.3	1,983.9	11,016.9	5.6
IIIe	3,983.9	2.3	12,426.7	7.1	1,745.7	16,410.6	9.4
IIIw	169.6	0.8	301.4	1.4	215.1	471.0	2.2
IIIs	636.4	2.8	203.7	0.9	223.7	840.1	3.8
IIIc	704.7	2.1	1,422.8	4.2	340.1	2,127.5	6.3
All III	5,494.6	2.2	14,354.6	5.7	2,524.6	19,849.2	7.9
I-III	12,010.5	2.6	19,066.4	4.1	4,619.3	31,076.9	6.7
IVe	4,260.8	4.6	8,757.7	9.4	934.7	13,018.5	13.9
IVw	131.2	1.0	112.4	0.9	130.3	243.6	1.9
IVs	109.0	0.6	223.9	1.3	179.3	332.9	1.9
IVc	102.8	2.8	383.4	10.4	36.8	486.2	13.2
All IV	4,603.8	3.6	9,477.4	7.4	1,281.1	14,081.2	11.0
I-IV	16,614.3	2.8	28,543.8	4.8	5,900.4	45,158.1	7.7
V	0.5	0.0	20.0	0.4	54.3	20.5	0.4
VIe	908.0	3.5	2,704.1	10.4	260.6	3,612.1	13.9
VIw	0.0	0.0	2.8	0.4	6.6	2.8	0.4
VIs	343.8	8.2	93.6	2.2	41.9	437.4	10.4
VIc	197.6	4.0	111.9	2.2	50.0	309.5	6.2
All VI	1,449.4	4.0	2,912.4	8.1	359.1	4,361.8	12.2
VIIe	306.0	6.3	576.3	11.9	48.3	882.3	18.3
VIIw	0.0	0.0	7.1	2.6	2.7	7.1	2.6
VIIs	67.8	2.9	68.2	2.9	23.7	136.0	5.7
VIIc	-	-	-	-	0.0	-	-
All VII	373.8	5.0	651.6	8.7	74.7	1,025.4	13.7
VIII	0.0	0.0	4.2	2.6	1.6	4.2	2.6
V-VIII	1,823.7	3.7	3,588.2	7.3	489.7	5,411.9	11.1
NA	-	-	-	-	0.0	-	-
Total	18,438.0	2.9	32,132.0	5.0	6,390.1	50,570.0	7.9

Table 18b. Estimated average annual erosion on 1982 pastureland, by land capability class and subclass.

Class and subclass	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
I	0.0	0.0	1.2	0.2	8.2	1.2	0.2
IIe	0.0	0.0	16.9	0.3	61.6	16.9	0.3
IIw	0.7	0.0	2.5	0.1	26.4	3.2	0.1
IIs	0.0	0.0	3.4	0.1	26.1	3.4	0.1
IIc	0.4	0.0	3.7	0.1	38.1	4.1	0.1
All II	1.1	0.0	26.5	0.2	152.2	27.6	0.2
IIIe	2.2	0.0	38.9	0.3	125.2	41.1	0.3
IIIw	0.0	0.0	14.1	0.1	110.8	14.1	0.1
IIIs	0.0	0.0	5.8	0.1	44.0	5.8	0.1
IIIc	0.0	0.0	6.2	0.2	26.1	6.2	0.2
All III	2.2	0.0	65.0	0.2	306.1	67.2	0.2
I-III	3.3	0.0	92.7	0.2	466.5	96.0	0.2
IVe	0.0	0.0	122.6	0.7	184.2	122.6	0.7
IVw	15.4	0.1	40.3	0.3	135.8	55.7	0.4
IVs	7.0	0.1	14.8	0.2	77.0	21.8	0.3
IVc	0.0	0.0	1.5	0.1	11.0	1.5	0.1
All IV	22.4	0.1	179.2	0.4	408.0	201.6	0.5
I-IV	25.7	0.0	271.9	0.3	874.5	297.6	0.3
V	0.0	0.0	21.2	0.2	134.1	21.2	0.2
VIe	0.0	0.0	52.5	0.6	93.6	52.5	0.6
VIw	0.0	0.0	0.4	0.0	9.3	0.4	0.0
VIs	0.0	0.0	21.3	0.5	46.0	21.3	0.5
VIc	0.0	0.0	4.2	0.2	19.3	4.2	0.2
All VI	0.0	0.0	78.4	0.5	168.2	78.4	0.5
VIIe	0.0	0.0	400.3	7.1	56.5	400.3	7.1
VIIw	0.0	0.0	0.1	0.0	6.4	0.1	0.0
VIIs	0.0	0.0	17.1	0.6	29.1	17.1	0.6
VIIc	-	-	-	-	0.0	-	-
All VII	0.0	0.0	417.5	4.5	92.0	417.5	4.5
VIII	0.0	0.0	0.1	0.0	5.4	0.1	0.0
V-VIII	0.0	0.0	517.2	1.3	399.7	517.2	1.3
NA	-	-	-	-	0.0	-	-
Total	25.7	0.0	789.1	0.6	1,274.2	814.8	0.6

Table 19b. Estimated average annual erosion on 1982 rangeland, by land capability class and subclass.

Class and subclass	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
I	-	-	-	-	0.0	-	-
IIe	0.0	0.0	0.2	0.1	2.8	0.2	0.1
IIw	0.0	0.0	0.1	0.1	1.0	0.1	0.1
IIs	0.0	0.0	0.1	0.1	2.2	0.1	0.1
IIc	0.0	0.0	1.6	0.2	8.7	1.6	0.2
All II	0.0	0.0	2.0	0.1	14.7	2.0	0.1
IIIe	85.3	0.2	139.3	0.4	364.6	224.6	0.6
IIIw	0.0	0.0	2.8	0.1	41.8	2.8	0.1
IIIs	0.0	0.0	24.1	0.6	41.8	24.1	0.6
IIIc	0.0	0.0	10.4	0.2	59.1	10.4	0.2
All III	85.3	0.2	176.6	0.4	507.3	261.9	0.5
I-III	85.3	0.2	178.6	0.3	522.0	263.9	0.5
IVe	0.0	0.0	308.8	0.4	755.3	308.8	0.4
IVw	0.0	0.0	7.7	0.1	76.2	7.7	0.1
IVs	0.0	0.0	18.8	0.1	154.2	18.8	0.1
IVc	0.0	0.0	4.7	0.1	41.0	4.7	0.1
All IV	0.0	0.0	340.0	0.3	1,026.7	340.0	0.3
I-IV	85.3	0.1	518.6	0.3	1,548.7	603.9	0.4
V	0.0	0.0	10.5	0.1	99.2	10.5	0.1
VIe	42.4	0.0	1,007.9	0.7	1,490.9	1,050.3	0.7
VIw	0.0	0.0	0.6	0.1	7.6	0.6	0.1
VIs	19.1	0.0	132.5	0.3	502.7	151.6	0.3
VIc	57.3	0.2	72.1	0.2	308.7	129.4	0.4
All VI	118.8	0.1	1,213.1	0.5	2,309.9	1,331.9	0.6
VIIe	1.1	0.0	1,376.7	0.9	1,463.4	1,377.8	0.9
VIIw	0.0	0.0	0.0	0.0	0.5	0.0	0.0
VIIs	65.5	0.1	574.3	0.5	1,242.1	639.8	0.5
VIIc	-	-	-	-	0.0	-	-
All VII	66.6	0.0	1,951.0	0.7	2,706.0	2,017.6	0.7
VIII	0.0	0.0	8.7	0.1	69.1	8.7	0.1
V-VIII	185.4	0.0	3,183.3	0.6	5,184.2	3,368.7	0.7
NA	-	-	-	-	0.0	-	-
Total	270.7	0.0	3,701.9	0.6	6,732.9	3,972.6	0.6

Table 20b. Estimated average annual erosion on 1982 grazed forest land, by land capability class and subclass.

Class and subclass	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
I	-	-	-	-	0.0	-	-
IIe	-	-	-	-	0.0	-	-
IIw	-	-	-	-	0.0	-	-
IIs	0.0	0.0	0.1	0.0	5.8	0.1	0.0
IIc	-	-	-	-	0.0	-	-
All II	0.0	0.0	0.1	0.0	5.8	0.1	0.0
IIIe	0.0	0.0	2.6	0.1	24.4	2.6	0.1
IIIw	0.0	0.0	0.5	0.0	16.2	0.5	0.0
IIIs	-	-	-	-	0.0	-	-
IIIc	-	-	-	-	0.0	-	-
All III	0.0	0.0	3.1	0.1	40.6	3.1	0.1
I-III	0.0	0.0	3.2	0.1	46.4	3.2	0.1
IVe	0.0	0.0	40.2	0.2	247.0	40.2	0.2
IVw	0.0	0.0	0.4	0.0	29.4	0.4	0.0
IVs	0.0	0.0	0.7	0.0	31.0	0.7	0.0
IVc	0.0	0.0	0.2	0.1	2.3	0.2	0.1
All IV	0.0	0.0	41.5	0.1	309.7	41.5	0.1
I-IV	0.0	0.0	44.7	0.1	356.1	44.7	0.1
V	0.0	0.0	2.2	0.5	4.1	2.2	0.5
VIe	0.0	0.0	128.8	0.3	375.1	128.8	0.3
VIw	-	-	-	-	0.0	-	-
VIs	0.0	0.0	5.1	0.5	10.5	5.1	0.5
VIc	-	-	-	-	0.0	-	-
All VI	0.0	0.0	133.9	0.4	385.6	133.9	0.4
VIIe	0.0	0.0	421.3	0.7	638.1	421.3	0.7
VIIw	0.0	0.0	0.0	0.0	0.4	0.0	0.0
VIIs	0.0	0.0	22.4	0.3	82.5	22.4	0.3
VIIc	-	-	-	-	0.0	-	-
All VII	0.0	0.0	443.7	0.6	721.0	443.7	0.6
VIII	0.0	0.0	1.0	0.1	9.6	1.0	0.1
V-VIII	0.0	0.0	580.8	0.5	1,120.3	580.8	0.5
NA	-	-	-	-	0.0	-	-
Total	0.0	0.0	625.5	0.4	1,476.4	625.5	0.4

Table 21b. Estimated average annual erosion on 1982 ungrazed forest land, by land capability class and subclass.

Class and subclass	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
I	-	-	-	-	0.0	-	-
IIe	-	-	-	-	0.0	-	-
IIw	-	-	-	-	0.0	-	-
IIs	-	-	-	-	0.0	-	-
IIc	-	-	-	-	0.0	-	-
All II	-	-	-	-	0.0	-	-
IIIe	0.0	0.0	1.0	0.0	26.3	1.0	0.0
IIIw	0.0	0.0	3.1	0.2	13.0	3.1	0.2
IIIs	-	-	-	-	0.0	-	-
IIIc	-	-	-	-	0.0	-	-
All III	0.0	0.0	4.1	0.1	39.3	4.1	0.1
I-III	0.0	0.0	4.1	0.1	39.3	4.1	0.1
IVe	0.0	0.0	7.8	0.0	208.8	7.8	0.0
IVw	0.0	0.0	0.4	0.0	18.1	0.4	0.0
IVs	0.0	0.0	0.4	0.0	58.7	0.4	0.0
IVc	-	-	-	-	0.0	-	-
All IV	0.0	0.0	8.6	0.0	285.6	8.6	0.0
I-IV	0.0	0.0	12.7	0.0	324.9	12.7	0.0
V	-	-	-	-	0.0	-	-
VIe	0.0	0.0	119.7	0.2	553.3	119.7	0.2
VIw	-	-	-	-	0.0	-	-
VIs	0.0	0.0	0.3	0.0	16.6	0.3	0.0
VIc	-	-	-	-	0.0	-	-
All VI	0.0	0.0	120.0	0.2	569.9	120.0	0.2
VIIe	0.0	0.0	356.9	0.3	1,383.5	356.9	0.3
VIIw	0.0	0.0	0.0	0.0	2.9	0.0	0.0
VIIs	0.0	0.0	21.0	0.1	182.1	21.0	0.1
VIIc	-	-	-	-	0.0	-	-
All VII	0.0	0.0	377.9	0.2	1,568.5	377.9	0.2
VIII	0.0	0.0	0.1	0.0	37.4	0.1	0.0
V-VIII	0.0	0.0	498.0	0.2	2,175.8	498.0	0.2
NA	-	-	-	-	0.0	-	-
Total	0.0	0.0	510.7	0.2	2,500.7	510.7	0.2

Table 22b. Estimated average annual erosion on all 1982 forest land, by land capability class and subclass.

Class and subclass	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
I	-	-	-	-	0.0	-	-
IIe	-	-	-	-	0.0	-	-
IIw	-	-	-	-	0.0	-	-
IIs	0.0	0.0	0.1	0.0	5.8	0.1	0.0
IIc	-	-	-	-	0.0	-	-
All II	0.0	0.0	0.1	0.0	5.8	0.1	0.0
IIIe	0.0	0.0	3.6	0.1	50.7	3.6	0.1
IIIw	0.0	0.0	3.6	0.1	29.2	3.6	0.1
IIIs	-	-	-	-	0.0	-	-
IIIc	-	-	-	-	0.0	-	-
All III	0.0	0.0	7.2	0.1	79.9	7.2	0.1
I-III	0.0	0.0	7.3	0.1	85.7	7.3	0.1
IVe	0.0	0.0	48.0	0.1	455.8	48.0	0.1
IVw	0.0	0.0	0.8	0.0	47.5	0.8	0.0
IVs	0.0	0.0	1.1	0.0	89.7	1.1	0.0
IVc	0.0	0.0	0.2	0.1	2.3	0.2	0.1
All IV	0.0	0.0	50.1	0.1	595.3	50.1	0.1
I-IV	0.0	0.0	57.4	0.1	681.0	57.4	0.1
V	0.0	0.0	2.2	0.5	4.1	2.2	0.5
VIe	0.0	0.0	248.5	0.3	928.4	248.5	0.3
VIw	-	-	-	-	0.0	-	-
VIs	0.0	0.0	5.4	0.2	27.1	5.4	0.2
VIc	-	-	-	-	0.0	-	-
All VI	0.0	0.0	253.9	0.3	955.5	253.9	0.3
VIIe	0.0	0.0	778.2	0.4	2,021.6	778.2	0.4
VIIw	0.0	0.0	0.0	0.0	3.3	0.0	0.0
VIIs	0.0	0.0	43.4	0.2	264.6	43.4	0.2
VIIc	-	-	-	-	0.0	-	-
All VII	0.0	0.0	821.6	0.4	2,289.5	821.6	0.4
VIII	0.0	0.0	1.1	0.0	47.0	1.1	0.0
V-VIII	0.0	0.0	1,078.8	0.3	3,296.1	1,078.8	0.3
NA	-	-	-	-	0.0	-	-
Total	0.0	0.0	1,136.2	0.3	3,977.1	1,136.2	0.3

Table 25b. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 cropland, by land capability class and subclass.

Class and subclass	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
I	191.4	106.2	1.8	19.4	4.6	4.2	-	0.0	-	110.8
IIe	755.2	495.0	1.5	1,565.0	234.9	6.7	3,786.3	264.6	14.3	994.5
IIw	66.3	66.9	1.0	67.5	12.1	5.6	112.7	7.6	14.8	86.6
IIs	71.7	96.9	0.7	121.8	38.1	3.2	851.1	83.5	10.2	218.5
IIc	714.5	440.3	1.6	689.0	104.3	6.6	2,215.8	139.7	15.9	684.3
All II	1,607.7	1,099.1	1.5	2,443.3	389.4	6.3	6,965.9	495.4	14.1	1,983.9
IIIe	876.1	628.7	1.4	2,757.0	405.4	6.8	12,777.5	711.6	18.0	1,745.7
IIIw	251.8	189.8	1.3	80.1	15.4	5.2	139.1	9.9	14.1	215.1
IIIs	121.5	163.4	0.7	89.5	16.3	5.5	629.1	44.0	14.3	223.7
IIIc	310.8	192.4	1.6	546.0	81.0	6.7	1,270.7	66.7	19.1	340.1
All III	1,560.2	1,174.3	1.3	3,472.6	518.1	6.7	14,816.4	832.2	17.8	2,524.6
I-III	3,359.3	2,379.6	1.4	5,935.3	912.1	6.5	21,782.3	1,327.6	16.4	4,619.3
IVe	227.5	231.6	1.0	681.6	113.8	6.0	12,109.4	589.3	20.6	934.7
IVw	93.5	118.9	0.8	26.8	5.0	5.4	123.3	6.4	19.3	130.3
IVs	47.6	118.5	0.4	70.1	28.7	2.4	215.2	32.1	6.7	179.3
IVc	17.0	10.4	1.6	76.0	9.6	7.9	393.2	16.8	23.4	36.8
All IV	385.6	479.4	0.8	854.5	157.1	5.4	12,841.1	644.6	19.9	1,281.1
I-IV	3,744.9	2,859.0	1.3	6,789.8	1,069.2	6.4	34,623.4	1,972.2	17.6	5,900.4
V	20.5	54.3	0.4	-	0.0	-	-	0.0	-	54.3
VIe	98.2	73.4	1.3	170.1	29.8	5.7	3,343.8	157.4	21.2	260.6
VIw	2.8	6.6	0.4	-	0.0	-	-	0.0	-	6.6
VIs	6.0	21.2	0.3	7.4	2.9	2.6	424.0	17.8	23.8	41.9
VIc	55.5	30.8	1.8	43.5	7.5	5.8	210.5	11.7	18.0	50.0
All VI	162.5	132.0	1.2	221.0	40.2	5.5	3,978.3	186.9	21.3	359.1
VIIe	15.4	8.8	1.8	14.9	2.6	5.7	852.0	36.9	23.1	48.3
VIIw	-	0.0	-	7.1	2.7	2.6	-	0.0	-	2.7
VIIs	20.6	10.5	2.0	5.4	3.0	1.8	110.0	10.2	10.8	23.7
VIIc	-	0.0	-	-	0.0	-	-	0.0	-	0.0
All VII	36.0	19.3	1.9	27.4	8.3	3.3	962.0	47.1	20.4	74.7
VIII	0.0	0.5	0.0	4.2	1.1	3.8	-	0.0	-	1.6
V-VIII	219.0	206.1	1.1	252.6	49.6	5.1	4,940.3	234.0	21.1	489.7
NA	-	0.0	-	-	0.0	-	-	0.0	-	0.0
Total	3,963.9	3,065.1	1.3	7,042.4	1,118.8	6.3	39,563.7	2,206.2	17.9	6,390.1

Table 26b. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 pastureland, by land capability class and subclass.

Class and subclass	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
I	1.2	8.2	0.2	-	0.0	-	-	0.0	-	8.2
IIe	16.9	61.6	0.3	-	0.0	-	-	0.0	-	61.6
IIw	3.2	26.4	0.1	-	0.0	-	-	0.0	-	26.4
IIs	3.4	26.1	0.1	-	0.0	-	-	0.0	-	26.1
IIc	4.1	38.1	0.1	-	0.0	-	-	0.0	-	38.1
All II	27.6	152.2	0.2	-	0.0	-	-	0.0	-	152.2
IIIe	36.7	124.2	0.3	4.4	1.0	4.4	-	0.0	-	125.2
IIIw	14.1	110.8	0.1	-	0.0	-	-	0.0	-	110.8
IIIs	5.8	44.0	0.1	-	0.0	-	-	0.0	-	44.0
IIIc	6.2	26.1	0.2	-	0.0	-	-	0.0	-	26.1
All III	62.8	305.1	0.2	4.4	1.0	4.4	-	0.0	-	306.1
I-III	91.6	465.5	0.2	4.4	1.0	4.4	-	0.0	-	466.5
IVe	82.6	178.6	0.5	40.0	5.6	7.1	-	0.0	-	184.2
IVw	40.0	134.9	0.3	-	0.0	-	15.7	0.9	17.4	135.8
IVs	12.2	74.3	0.2	9.6	2.7	3.6	-	0.0	-	77.0
IVc	1.5	11.0	0.1	-	0.0	-	-	0.0	-	11.0
All IV	136.3	398.8	0.3	49.6	8.3	6.0	15.7	0.9	17.4	408.0
I-IV	227.9	864.3	0.3	54.0	9.3	5.8	15.7	0.9	17.4	874.5
V	21.2	134.1	0.2	-	0.0	-	-	0.0	-	134.1
VIe	52.5	93.6	0.6	-	0.0	-	-	0.0	-	93.6
VIw	0.4	9.3	0.0	-	0.0	-	-	0.0	-	9.3
VIs	12.2	42.5	0.3	2.6	2.4	1.1	6.5	1.1	5.9	46.0
VIc	4.2	19.3	0.2	-	0.0	-	-	0.0	-	19.3
All VI	69.3	164.7	0.4	2.6	2.4	1.1	6.5	1.1	5.9	168.2
VIIe	36.3	28.9	1.3	9.5	2.7	3.5	354.5	24.9	14.2	56.5
VIIw	0.1	6.4	0.0	-	0.0	-	-	0.0	-	6.4
VIIs	14.3	28.1	0.5	2.8	1.0	2.8	-	0.0	-	29.1
VIIc	-	0.0	-	-	0.0	-	-	0.0	-	0.0
All VII	50.7	63.4	0.8	12.3	3.7	3.3	354.5	24.9	14.2	92.0
VIII	0.1	5.1	0.0	-	0.0	-	0.0	0.3	0.0	5.4
V-VIII	141.3	367.3	0.4	14.9	6.1	2.4	361.0	26.3	13.7	399.7
NA	-	0.0	-	-	0.0	-	-	0.0	-	0.0
Total	369.2	1,231.6	0.3	68.9	15.4	4.5	376.7	27.2	13.9	1,274.2

Table 27b. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 rangeland, by land capability class and subclass.

Class and subclass	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
I	-	0.0	-	-	0.0	-	-	0.0	-	0.0
IIe	0.2	2.8	0.1	-	0.0	-	-	0.0	-	2.8
IIw	0.1	1.0	0.1	-	0.0	-	-	0.0	-	1.0
IIs	0.1	2.2	0.1	-	0.0	-	-	0.0	-	2.2
IIc	1.6	8.7	0.2	-	0.0	-	-	0.0	-	8.7
All II	2.0	14.7	0.1	-	0.0	-	-	0.0	-	14.7
IIIe	149.5	364.1	0.4	-	0.0	-	75.1	0.5	150.2	364.6
IIIw	2.8	41.8	0.1	-	0.0	-	-	0.0	-	41.8
IIIs	24.1	41.8	0.6	-	0.0	-	-	0.0	-	41.8
IIIc	10.4	59.1	0.2	-	0.0	-	-	0.0	-	59.1
All III	186.8	506.8	0.4	-	0.0	-	75.1	0.5	150.2	507.3
I-III	188.8	521.5	0.4	-	0.0	-	75.1	0.5	150.2	522.0
IVe	276.6	740.2	0.4	12.1	7.7	1.6	20.1	7.4	2.7	755.3
IVw	7.7	76.2	0.1	-	0.0	-	-	0.0	-	76.2
IVs	18.8	154.2	0.1	-	0.0	-	-	0.0	-	154.2
IVc	4.7	41.0	0.1	-	0.0	-	-	0.0	-	41.0
All IV	307.8	1,011.6	0.3	12.1	7.7	1.6	20.1	7.4	2.7	1,026.7
I-IV	496.6	1,533.1	0.3	12.1	7.7	1.6	95.2	7.9	12.1	1,548.7
V	10.5	99.2	0.1	-	0.0	-	-	0.0	-	99.2
VIe	577.0	1,444.1	0.4	108.8	20.6	5.3	364.5	26.2	13.9	1,490.9
VIw	0.6	7.6	0.1	-	0.0	-	-	0.0	-	7.6
VIs	117.3	496.6	0.2	4.3	1.4	3.1	30.0	4.7	6.4	502.7
VIc	55.7	302.0	0.2	7.5	2.6	2.9	66.2	4.1	16.2	308.7
All VI	750.6	2,250.3	0.3	120.6	24.6	4.9	460.7	35.0	13.2	2,309.9
VIIe	886.0	1,371.4	0.7	183.3	51.5	3.6	308.5	40.5	7.6	1,463.4
VIIw	0.0	0.5	0.0	-	0.0	-	-	0.0	-	0.5
VIIs	365.0	1,162.9	0.3	82.2	56.6	1.5	192.6	22.6	8.5	1,242.1
VIIc	-	0.0	-	-	0.0	-	-	0.0	-	0.0
All VII	1,251.0	2,534.8	0.5	265.5	108.1	2.5	501.1	63.1	7.9	2,706.0
VIII	8.4	65.0	0.1	-	0.0	-	0.3	4.1	0.1	69.1
V-VIII	2,020.5	4,949.3	0.4	386.1	132.7	2.9	962.1	102.2	9.4	5,184.2
NA	-	0.0	-	-	0.0	-	-	0.0	-	0.0
Total	2,517.1	6,482.4	0.4	398.2	140.4	2.8	1,057.3	110.1	9.6	6,732.9

Table 28b. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 forest land, by land capability class and subclass.

Class and subclass	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
I	-	0.0	-	-	0.0	-	-	0.0	-	0.0
IIe	-	0.0	-	-	0.0	-	-	0.0	-	0.0
IIw	-	0.0	-	-	0.0	-	-	0.0	-	0.0
IIs	0.1	5.8	0.0	-	0.0	-	-	0.0	-	5.8
IIc	-	0.0	-	-	0.0	-	-	0.0	-	0.0
All II	0.1	5.8	0.0	-	0.0	-	-	0.0	-	5.8
IIIe	3.6	50.7	0.1	-	0.0	-	-	0.0	-	50.7
IIIw	3.6	29.2	0.1	-	0.0	-	-	0.0	-	29.2
IIIs	-	0.0	-	-	0.0	-	-	0.0	-	0.0
IIIc	-	0.0	-	-	0.0	-	-	0.0	-	0.0
All III	7.2	79.9	0.1	-	0.0	-	-	0.0	-	79.9
I-III	7.3	85.7	0.1	-	0.0	-	-	0.0	-	85.7
IVe	48.0	455.8	0.1	-	0.0	-	-	0.0	-	455.8
IVw	0.8	47.5	0.0	-	0.0	-	-	0.0	-	47.5
IVs	1.1	89.7	0.0	-	0.0	-	-	0.0	-	89.7
IVc	0.2	2.3	0.1	-	0.0	-	-	0.0	-	2.3
All IV	50.1	595.3	0.1	-	0.0	-	-	0.0	-	595.3
I-IV	57.4	681.0	0.1	-	0.0	-	-	0.0	-	681.0
V	0.0	2.3	0.0	2.2	1.8	1.2	-	0.0	-	4.1
VIe	151.3	922.9	0.2	10.0	2.8	3.6	87.2	2.7	32.3	928.4
VIw	-	0.0	-	-	0.0	-	-	0.0	-	0.0
VIs	5.4	27.1	0.2	-	0.0	-	-	0.0	-	27.1
VIc	-	0.0	-	-	0.0	-	-	0.0	-	0.0
All VI	156.7	950.0	0.2	10.0	2.8	3.6	87.2	2.7	32.3	955.5
VIIe	522.5	2,005.5	0.3	-	0.0	-	255.7	16.1	15.9	2,021.6
VIIw	0.0	3.3	0.0	-	0.0	-	-	0.0	-	3.3
VIIs	43.4	264.6	0.2	-	0.0	-	-	0.0	-	264.6
VIIc	-	0.0	-	-	0.0	-	-	0.0	-	0.0
All VII	565.9	2,273.4	0.3	-	0.0	-	255.7	16.1	15.9	2,289.5
VIII	0.9	45.7	0.0	-	0.0	-	0.2	1.3	0.2	47.0
V-VIII	723.5	3,271.4	0.2	12.2	4.6	2.7	343.1	20.1	17.1	3,296.1
NA	-	0.0	-	-	0.0	-	-	0.0	-	0.0
Total	780.9	3,952.4	0.2	12.2	4.6	2.7	343.1	20.1	17.1	3,977.1

Table 31b. Potential for conversion to cropland of pastureland and rangeland in 1982, by land capability class and subclass.

Class and subclass	Pastureland					Rangeland				
	High	Medium	Low	Zero	Total	High	Medium	Low	Zero	Total
	1,000 acres									
I	2.7	0.7	4.8	0.0	8.2	0.0	0.0	0.0	0.0	0.0
IIe	8.8	26.7	23.0	3.1	61.6	0.0	0.8	2.0	0.0	2.8
IIw	4.8	10.4	8.6	2.6	26.4	0.0	0.0	0.0	1.0	1.0
IIs	6.8	10.5	6.3	2.5	26.1	0.0	0.0	2.2	0.0	2.2
IIc	10.8	15.0	10.7	1.6	38.1	7.9	0.8	0.0	0.0	8.7
All II	31.2	62.6	48.6	9.8	152.2	7.9	1.6	4.2	1.0	14.7
IIIe	15.2	59.5	41.3	9.2	125.2	4.0	91.0	148.5	121.1	364.6
IIIw	11.6	42.0	51.5	5.7	110.8	0.5	13.9	24.5	2.9	41.8
IIIs	7.5	13.0	22.8	0.7	44.0	2.7	0.8	34.1	4.2	41.8
IIIc	1.3	12.1	12.7	0.0	26.1	1.7	5.7	29.9	21.8	59.1
All III	35.6	126.6	128.3	15.6	306.1	8.9	111.4	237.0	150.0	507.3
I-III	69.5	189.9	181.7	25.4	466.5	16.8	113.0	241.2	151.0	522.0
IVe	15.9	56.3	96.4	15.6	184.2	34.2	53.5	337.3	330.3	755.3
IVw	4.0	46.6	79.2	6.0	135.8	0.7	2.6	52.9	20.0	76.2
IVs	16.9	27.2	19.5	13.4	77.0	0.9	9.9	121.4	22.0	154.2
IVc	0.0	0.0	9.9	1.1	11.0	1.4	4.1	25.7	9.8	41.0
All IV	36.8	130.1	205.0	36.1	408.0	37.2	70.1	537.3	382.1	1,026.7
I-IV	106.3	320.0	386.7	61.5	874.5	54.0	183.1	778.5	533.1	1,548.7
V	2.1	51.1	60.9	20.0	134.1	1.7	0.5	64.4	32.6	99.2
VIe	5.4	18.8	47.1	22.3	93.6	25.3	71.1	622.4	772.1	1,490.9
VIw	2.2	3.8	3.3	0.0	9.3	0.0	0.0	6.2	1.4	7.6
VIs	1.5	9.1	25.6	9.8	46.0	14.2	64.9	221.0	202.6	502.7
VIc	0.6	14.2	4.5	0.0	19.3	19.2	67.3	160.0	62.2	308.7
All VI	9.7	45.9	80.5	32.1	168.2	58.7	203.3	1,009.6	1,038.3	2,309.9
VIIe	0.0	0.0	0.0	56.5	56.5	0.0	0.0	0.0	1,463.4	1,463.4
VIIw	0.0	0.0	0.0	6.4	6.4	0.0	0.0	0.0	0.5	0.5
VIIs	0.0	0.0	0.0	29.1	29.1	0.0	0.0	0.0	1,242.1	1,242.1
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	0.0	0.0	0.0	92.0	92.0	0.0	0.0	0.0	2,706.0	2,706.0
VIII	0.0	0.0	0.0	5.4	5.4	0.0	0.0	0.0	69.1	69.1
V-VIII	11.8	97.0	141.4	149.5	399.7	60.4	203.8	1,074.0	3,846.0	5,184.2
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	118.1	417.0	528.1	211.0	1,274.2	114.4	386.9	1,852.5	4,379.1	6,732.9

Table 32b. Potential for conversion to cropland of forest land and minor land cover/uses in 1982, by land capability class and subclass.

Class and subclass	Forest land					Minor land cover/uses				
	High	Medium	Low	Zero	Total	High	Medium	Low	Zero	Total
	1,000 acres									
I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
IIe	0.0	0.0	0.0	0.0	0.0	0.5	2.6	3.4	1.1	7.6
IIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.1	1.8
IIs	0.0	4.6	0.0	1.2	5.8	0.0	5.8	0.6	1.8	8.2
IIc	0.0	0.0	0.0	0.0	0.0	3.3	1.2	0.7	2.4	7.6
All II	0.0	4.6	0.0	1.2	5.8	3.8	9.6	6.4	5.4	25.2
IIIe	7.9	20.4	16.9	5.5	50.7	1.3	3.2	18.8	3.9	27.2
IIIw	6.2	0.0	16.3	6.7	29.2	0.4	0.7	6.3	3.4	10.8
IIIs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	1.1	12.7
IIIc	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.2	0.1	4.2
All III	14.1	20.4	33.2	12.2	79.9	1.7	7.8	36.9	8.5	54.9
I-III	14.1	25.0	33.2	13.4	85.7	5.5	17.4	43.3	15.0	81.2
IVe	8.9	36.3	260.6	150.0	455.8	2.1	1.4	7.4	4.5	15.4
IVw	0.0	20.6	14.1	12.8	47.5	0.8	5.0	14.4	5.0	25.2
IVs	0.7	22.2	66.3	0.5	89.7	0.0	0.0	8.2	10.0	18.2
IVc	0.0	0.0	1.6	0.7	2.3	0.0	0.0	1.1	0.0	1.1
All IV	9.6	79.1	342.6	164.0	595.3	2.9	6.4	31.1	19.5	59.9
I-IV	23.7	104.1	375.8	177.4	681.0	8.4	23.8	74.4	34.5	141.1
V	0.0	0.0	1.9	2.2	4.1	0.0	0.9	3.5	9.0	13.4
VIe	0.0	31.1	320.3	577.0	928.4	3.0	3.2	15.0	19.3	40.5
VIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	7.9	11.9
VIs	0.0	4.7	2.6	19.8	27.1	0.0	2.2	10.1	6.2	18.5
VIc	0.0	0.0	0.0	0.0	0.0	6.0	0.7	23.2	17.0	46.9
All VI	0.0	35.8	322.9	596.8	955.5	9.0	6.1	52.3	50.4	117.8
VIIe	0.0	0.0	0.0	2,021.6	2,021.6	0.0	0.0	0.0	42.6	42.6
VIIw	0.0	0.0	0.0	3.3	3.3	0.0	0.0	0.0	8.3	8.3
VIIs	0.0	0.0	0.0	264.6	264.6	0.0	0.0	0.0	18.8	18.8
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
All VII	0.0	0.0	0.0	2,289.5	2,289.5	0.0	0.0	0.0	70.6	70.6
VIII	0.0	0.0	0.0	47.0	47.0	0.0	0.0	0.0	189.7	189.7
V-VIII	0.0	35.8	324.8	2,935.5	3,296.1	9.0	7.0	55.8	319.7	391.5
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	27.4
Total	23.7	139.9	700.6	3,112.9	3,977.1	17.4	30.8	130.2	381.6	560.0

Table 33b. Potential for conversion to cropland and cropland in 1982, by land capability class and subclass.

Class and subclass	Potential for conversion to cropland of pastureland, rangeland, forest land, and minor land cover/uses					Cropland	Total
	High	Medium	Low	Zero	Total		
	1,000 acres						
I	2.7	0.7	4.8	1.1	9.3	110.8	120.1
IIe	9.3	30.1	28.4	4.2	72.0	994.5	1,066.5
IIw	4.8	10.4	10.3	3.7	29.2	86.6	115.8
IIs	6.8	20.9	9.1	5.5	42.3	218.5	260.8
IIc	22.0	17.0	11.4	4.0	54.4	684.3	738.7
All II	42.9	78.4	59.2	17.4	197.9	1,983.9	2,181.8
IIIe	28.4	174.1	225.5	139.7	567.7	1,745.7	2,313.4
IIIw	18.7	56.6	98.6	18.7	192.6	215.1	407.7
IIIs	10.2	13.8	68.5	6.0	98.5	223.7	322.2
IIIc	3.0	21.7	42.8	21.9	89.4	340.1	429.5
All III	60.3	266.2	435.4	186.3	948.2	2,524.6	3,472.8
I-III	105.9	345.3	499.4	204.8	1,155.4	4,619.3	5,774.7
IVe	61.1	147.5	701.7	500.4	1,410.7	934.7	2,345.4
IVw	5.5	74.8	160.6	43.8	284.7	130.3	415.0
IVs	18.5	59.3	215.4	45.9	339.1	179.3	518.4
IVc	1.4	4.1	38.3	11.6	55.4	36.8	92.2
All IV	86.5	285.7	1,116.0	601.7	2,089.9	1,281.1	3,371.0
I-IV	192.4	631.0	1,615.4	806.5	3,245.3	5,900.4	9,145.7
V	3.8	52.5	130.7	63.8	250.8	54.3	305.1
VIe	33.7	124.2	1,004.8	1,390.7	2,553.4	260.6	2,814.0
VIw	2.2	3.8	13.5	9.3	28.8	6.6	35.4
VIs	15.7	80.9	259.3	238.4	594.3	41.9	636.2
VIc	25.8	82.2	187.7	79.2	374.9	50.0	424.9
All VI	77.4	291.1	1,465.3	1,717.6	3,551.4	359.1	3,910.5
VIIe	0.0	0.0	0.0	3,584.1	3,584.1	48.3	3,632.4
VIIw	0.0	0.0	0.0	18.5	18.5	2.7	21.2
VIIs	0.0	0.0	0.0	1,554.6	1,554.6	23.7	1,578.3
VIIc	0.0	0.0	0.0	0.9	0.9	0.0	0.9
All VII	0.0	0.0	0.0	5,158.1	5,158.1	74.7	5,232.8
VIII	0.0	0.0	0.0	311.2	311.2	1.6	312.8
V-VIII	81.2	343.6	1,596.0	7,250.7	9,271.5	489.7	9,761.2
NA	0.0	0.0	0.0	27.4	27.4	0.0	27.4
Total	273.6	974.6	3,211.4	8,084.6	12,544.2	6,390.1	18,934.3

Table 34b. Prime farmland in 1982, by land cover/use, and by land capability class and subclass.

Class and subclass	Cropland			Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
	Nonirrigated	Irrigated	Total					
	1,000 acres							
I	1.6	109.2	110.8	8.2	0.0	0.0	1.1	120.1
IIe	296.6	697.7	994.3	61.6	2.8	0.0	7.6	1,066.3
IIw	10.7	74.9	85.6	26.4	1.0	0.0	1.7	114.7
IIs	0.5	218.0	218.5	26.1	2.2	5.8	1.9	254.5
IIc	5.1	679.2	684.3	38.1	8.7	0.0	7.6	738.7
All II	312.9	1,669.8	1,982.7	152.2	14.7	5.8	18.8	2,174.2
IIIe	215.8	305.4	521.2	58.5	24.5	5.7	3.9	613.8
IIIw	52.0	53.3	105.3	21.1	11.7	0.0	1.3	139.4
IIIs	4.7	99.9	104.6	16.1	0.0	0.0	6.1	126.8
IIIc	156.5	46.5	203.0	16.2	4.6	0.0	3.0	226.8
All III	429.0	505.1	934.1	111.9	40.8	5.7	14.3	1,106.8
I-III	743.5	2,284.1	3,027.6	272.3	55.5	11.5	34.2	3,401.1
IVe	0.0	9.0	9.0	0.0	0.0	0.0	2.7	11.7
IVw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IVs	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6
IVc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All IV	0.0	9.0	9.0	0.6	0.0	0.0	2.7	12.3
I-IV	743.5	2,293.1	3,036.6	272.9	55.5	11.5	36.9	3,413.4
V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIIe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIIs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All VII	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VIII	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V-VIII	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	743.5	2,293.1	3,036.6	272.9	55.5	11.5	36.9	3,413.4

Table 35b. Pastureland condition in 1982, by land capability class and subclass.

Class and subclass	Good	Fair	Poor	Other	Total
			1,000 acres		
I	3.5	3.8	0.9	0.0	8.2
IIe	22.6	28.0	10.2	0.8	61.6
IIw	12.0	9.8	3.6	1.0	26.4
IIs	11.9	11.8	1.8	0.6	26.1
IIc	20.0	13.6	4.5	0.0	38.1
All II	66.5	63.2	20.1	2.4	152.2
IIIe	49.0	54.8	20.2	1.2	125.2
IIIw	33.0	49.9	24.1	3.8	110.8
IIIs	12.1	19.5	11.7	0.7	44.0
IIIc	16.1	5.6	4.4	0.0	26.1
All III	110.2	129.8	60.4	5.7	306.1
I-III	180.2	196.8	81.4	8.1	466.5
IVe	33.4	102.6	34.3	13.9	184.2
IVw	35.5	72.4	23.7	4.2	135.8
IVs	20.5	44.9	9.6	2.0	77.0
IVc	7.3	2.6	1.1	0.0	11.0
All IV	96.7	222.5	68.7	20.1	408.0
I-IV	276.9	419.3	150.1	28.2	874.5
V	57.6	54.3	17.9	4.3	134.1
VIe	30.2	34.5	16.2	12.7	93.6
VIw	3.0	2.4	3.9	0.0	9.3
VIs	4.3	23.9	16.6	1.2	46.0
VIc	11.0	5.5	2.8	0.0	19.3
All VI	48.5	66.3	39.5	13.9	168.2
VIIe	9.1	37.5	8.1	1.8	56.5
VIIw	3.1	2.8	0.5	0.0	6.4
VIIs	2.3	21.0	4.9	0.9	29.1
VIIc	0.0	0.0	0.0	0.0	0.0
All VII	14.5	61.3	13.5	2.7	92.0
VIII	0.0	2.4	3.0	0.0	5.4
V-VIII	120.6	184.3	73.9	20.9	399.7
NA	0.0	0.0	0.0	0.0	0.0
Total	397.5	603.6	224.0	49.1	1,274.2

Table 36b. Rangeland condition in 1982, by land capability class and subclass.

Class and subclass	Excellent	Good	Fair	Poor	Other	Total
			1,000 acres			
I	0.0	0.0	0.0	0.0	0.0	0.0
IIe	0.0	0.0	0.0	0.0	2.8	2.8
IIw	0.0	0.0	0.0	1.0	0.0	1.0
IIs	0.0	0.0	2.2	0.0	0.0	2.2
IIc	0.0	0.0	0.0	8.7	0.0	8.7
All II	0.0	0.0	2.2	9.7	2.8	14.7
IIIe	10.6	87.3	135.5	78.5	52.7	364.6
IIIw	0.0	9.4	18.3	10.8	3.3	41.8
IIIs	0.0	7.5	12.7	20.5	1.1	41.8
IIIc	0.0	13.1	20.3	6.3	19.4	59.1
All III	10.6	117.3	186.8	116.1	76.5	507.3
I-III	10.6	117.3	189.0	125.8	79.3	522.0
IVe	41.5	269.2	277.9	109.3	57.4	755.3
IVw	2.9	29.5	33.8	10.0	0.0	76.2
IVs	7.4	97.3	40.1	9.4	0.0	154.2
IVc	2.8	9.6	17.8	0.2	10.6	41.0
All IV	54.6	405.6	369.6	128.9	68.0	1,026.7
I-IV	65.2	522.9	558.6	254.7	147.3	1,548.7
V	0.0	34.1	51.0	14.1	0.0	99.2
VIe	63.4	457.4	514.2	333.5	122.4	1,490.9
VIw	0.0	0.0	5.9	1.7	0.0	7.6
VIs	14.3	136.2	200.3	104.6	47.3	502.7
VIc	4.0	76.5	66.6	114.9	46.7	308.7
All VI	81.7	670.1	787.0	554.7	216.4	2,309.9
VIIe	73.6	523.7	608.7	236.1	21.3	1,463.4
VIIw	0.0	0.0	0.0	0.0	0.5	0.5
VIIs	92.9	415.3	529.7	187.9	16.3	1,242.1
VIIc	0.0	0.0	0.0	0.0	0.0	0.0
All VII	166.5	939.0	1,138.4	424.0	38.1	2,706.0
VIII	9.2	21.2	30.9	7.8	0.0	69.1
V-VIII	257.4	1,664.4	2,007.3	1,000.6	254.5	5,184.2
NA	0.0	0.0	0.0	0.0	0.0	0.0
Total	322.6	2,187.3	2,565.9	1,255.3	401.8	6,732.9

Table 37b. Land with conservation practices in 1982, by land cover/use, and by land capability class and subclass.

Class and subclass	Cropland	Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
	1,000 acres					
I	74.6	6.5	0.0	0.0	0.0	81.1
IIe	660.8	34.5	0.8	0.0	0.2	696.3
IIw	49.8	11.9	0.0	0.0	0.1	61.8
IIs	158.3	12.3	0.0	4.6	1.3	176.5
IIc	542.8	27.7	0.0	0.0	1.3	571.8
All II	1,411.7	86.4	0.8	4.6	2.9	1,506.4
IIIe	861.8	72.2	145.3	14.4	0.0	1,093.7
IIIw	126.8	48.8	20.8	12.7	0.5	209.6
IIIs	151.1	10.2	6.7	0.0	3.0	171.0
IIIc	191.9	8.9	40.1	0.0	0.9	241.8
All III	1,331.6	140.1	212.9	27.1	4.4	1,716.1
I-III	2,817.9	233.0	213.7	31.7	7.3	3,303.6
IVe	433.8	76.9	304.7	137.2	1.6	954.2
IVw	60.2	49.4	30.0	6.7	0.0	146.3
IVs	97.8	30.3	44.9	20.7	0.0	193.7
IVc	9.0	6.9	17.6	1.5	1.1	36.1
All IV	600.8	163.5	397.2	166.1	2.7	1,330.3
I-IV	3,418.7	396.5	610.9	197.8	10.0	4,633.9
V	25.3	38.1	35.8	0.4	0.0	99.6
VIe	89.4	43.1	660.9	207.4	0.3	1,001.1
VIw	6.6	5.4	0.0	0.0	0.0	12.0
VIs	13.8	14.4	211.6	4.1	0.1	244.0
VIc	12.1	8.9	91.6	0.0	0.0	112.6
All VI	121.9	71.8	964.1	211.5	0.4	1,369.7
VIIe	4.9	43.0	526.7	254.9	1.4	830.9
VIIw	0.0	4.1	0.5	0.0	0.0	4.6
VIIs	15.3	1.7	607.7	43.2	1.1	669.0
VIIc	0.0	0.0	0.0	0.0	0.0	0.0
All VII	20.2	48.8	1,134.9	298.1	2.5	1,504.5
VIII	0.5	0.0	31.4	0.0	0.9	32.8
V-VIII	167.9	158.7	2,166.2	510.0	3.8	3,006.6
NA	0.0	0.0	0.0	0.0	0.0	0.0
Total	3,586.6	555.2	2,777.1	707.8	13.8	7,640.5

Table 38b. Flood-prone areas in 1982, by land cover/use, and by land capability class and subclass.

Class and subclass	Cropland	Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
			1,000 acres			
I	0.3	0.4	0.0	0.0	0.0	0.7
IIe	18.4	8.0	0.0	0.0	0.0	26.4
IIw	62.3	22.6	0.0	0.0	1.7	86.6
IIs	24.8	4.7	0.0	5.8	0.6	35.9
IIc	60.7	6.4	0.0	0.0	1.1	68.2
All II	166.2	41.7	0.0	5.8	3.4	217.1
IIIe	39.0	4.5	2.0	0.0	4.1	49.6
IIIw	181.2	96.2	34.0	29.2	10.3	350.9
IIIs	15.0	5.4	1.1	0.0	1.1	22.6
IIIc	49.0	15.2	13.8	0.0	0.9	78.9
All III	284.2	121.3	50.9	29.2	16.4	502.0
I-III	450.7	163.4	50.9	35.0	19.8	719.8
IVe	5.7	21.4	21.6	2.7	3.3	54.7
IVw	106.9	125.5	57.8	37.5	25.0	352.7
IVs	20.6	9.5	7.9	9.9	2.2	50.1
IVc	1.2	3.8	3.8	2.3	0.0	11.1
All IV	134.4	160.2	91.1	52.4	30.5	468.6
I-IV	585.1	323.6	142.0	87.4	50.3	1,188.4
V	54.3	123.3	67.5	4.1	13.4	262.6
VIe	2.8	4.2	6.3	5.9	2.2	21.4
VIw	6.6	9.3	7.6	0.0	11.9	35.4
VIs	2.7	9.7	17.1	0.0	0.0	29.5
VIc	3.0	2.2	20.7	0.0	3.7	29.6
All VI	15.1	25.4	51.7	5.9	17.8	115.9
VIIe	0.0	0.0	6.5	18.4	3.9	28.8
VIIw	2.7	6.4	0.5	3.3	8.3	21.2
VIIs	0.0	0.0	5.1	3.0	1.2	9.3
VIIc	0.0	0.0	0.0	0.0	0.9	0.9
All VII	2.7	6.4	12.1	24.7	14.3	60.2
VIII	1.1	5.4	8.8	3.1	26.7	45.1
V-VIII	73.2	160.5	140.1	37.8	72.2	483.8
NA	0.0	0.0	0.0	0.0	0.0	0.0
Total	658.3	484.1	282.1	125.2	122.5	1,672.2

Table 39b. Saline and/or alkali areas in 1982, by land cover/use, and by land capability class and subclass.

Class and subclass	Cropland			Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
	Nonirrigated	Irrigated	Total					
	1,000 acres							
I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All II	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIIe	2.7	25.0	27.7	1.9	0.0	0.0	0.9	30.5
IIIw	2.0	14.0	16.0	20.7	6.1	0.0	2.6	45.4
IIIs	6.0	16.0	22.0	2.4	3.1	0.0	0.0	27.5
IIIc	0.0	2.2	2.2	0.2	0.0	0.0	0.0	2.4
All III	10.7	57.2	67.9	25.2	9.2	0.0	3.5	105.8
I-III	10.7	57.2	67.9	25.2	9.2	0.0	3.5	105.8
IVe	0.0	9.8	9.8	5.2	0.0	0.0	0.0	15.0
IVw	2.6	18.2	20.8	20.8	15.9	0.0	0.2	57.7
IVs	0.0	4.8	4.8	0.9	0.5	0 0	0.0	6.2
IVc	0.0	0.0	0.0	0.9	0.8	0.0	0.0	1.7
All IV	2.6	32.8	35.4	27.8	17.2	0.0	0.2	80.6
I-IV	13.3	90.0	103.3	53.0	26.4	0.0	3.7	186.4
V	0.0	0.9	0.9	3.6	7.5	0.0	1.2	13.2
VIe	2.9	0.0	2.9	0.0	61.7	0.0	1.9	66.5
VIw	2.3	0.0	2.3	2.4	1.7	0.0	5.0	11.4
VIs	0.0	0.0	0.0	0.0	2.6	0.0	0.0	2.6
VIc	1.0	0.0	1.0	0.0	15.4	0.0	1.1	17.5
All VI	6.2	0.0	6.2	2.4	81.4	0.0	8.0	98.0
VIIe	2.8	0.0	2.8	0.0	19.4	0.0	2.7	24.9
VIIw	0.0	0.0	0.0	4.6	0.5	0.0	0.9	6.0
VIIs	0.0	0.0	0.0	1.8	6.3	0.0	0.0	8.1
VIIc	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
All VII	2.8	0.0	2.8	6.4	26.2	0.0	4.5	39.9
VIII	0.0	0.0	0.0	1.2	0.0	0.0	16.6	17.8
V-VIII	9.0	0.9	9.9	13.6	115.1	0.0	30.3	168.9
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	22.3	90.9	113.2	66.6	141.5	0.0	34.0	355.3

Table 1c. Surface area of 1982 nonfederal and federal land and census water, by MLRA.

MLRA	Nonfederal	Federal	Census water	Total
	1,000 acres			
9	1,625.2	20.5	23.3	1,669.0
10	1,139.8	544.7	15.1	1,699.6
10A	828.0	1,275.1	15.3	2,118.4
11	1,150.1	1,319.1	49.3	2,518.5
11A	1,957.9	1,886.2	15.7	3,859.8
11B	1,695.4	1,504.3	82.1	3,281.8
12	748.5	5,214.1	14.6	5,977.2
13	3,546.3	1,246.9	105.1	4,898.3
25	1,156.6	3,452.8	6.3	4,615.7
28A	439.0	471.1	3.3	913.4
43	4,331.6	16,228.2	177.3	20,737.1
44	664.1	90.3	78.9	833.3
47	166.9	191.7	0.5	359.1
Total	19,449.4	33,445.0	586.8	53,481.2

Table 2c. Land cover/use of nonfederal land and small water in 1982, by MLRA.

MLRA	Rural land						Urban and built-up land	Rural transportation	Small water areas	Total
	Cropland	Pastureland	Rangeland	Forest land	Minor land cover/uses	Total				
	1,000 acres									
9	1,039.6	102.7	160.1	252.6	27.3	1,582.3	14.4	25.9	2.6	1,625.2
10	134.7	38.5	914.9	26.1	11.9	1,126.1	2.4	7.5	3.8	1,139.8
10A	148.8	65.3	496.5	55.7	50.3	816.6	3.3	6.2	1.9	828.0
11	583.5	123.9	293.6	0.0	60.9	1,061.9	55.7	23.8	8.7	1,150.1
11A	1,157.1	169.8	468.6	0.0	94.8	1,890.3	22.4	39.5	5.7	1,957.9
11B	977.8	88.8	473.8	3.0	77.4	1,620.8	32.2	36.7	5.7	1,695.4
12	311.2	91.3	308.3	3.2	18.6	732.6	3.2	10.2	2.5	748.5
13	1,371.4	269.0	1,507.8	295.8	52.2	3,496.2	12.1	28.4	9.6	3,546.3
25	36.2	8.7	1,069.7	0.0	32.9	1,147.5	0.1	6.8	2.2	1,156.6
28A	258.5	32.0	122.4	6.4	5.4	424.7	3.4	8.9	2.0	439.0
43	250.8	204.9	813.9	2,876.0	99.9	4,245.5	22.4	44.6	19.1	4,331.6
44	90.4	68.9	0.0	438.4	26.7	624.4	17.2	15.3	7.2	664.1
47	30.1	10.4	103.3	19.9	1.7	165.4	0.0	0.8	0.7	166.9
TOTAL	6,390.1	1,274.2	6,732.9	3,977.1	560.0	18,934.3	188.8	254.6	71.7	19,449.4

Table 3c. Cropland use in 1982, by MLRA.

MLRA	Cultivated cropland					Horticulture	Hayland	Total cropland
	Row crops	Close-grown crops	Double-cropped	Other cultivated crops	Total			
	1,000 acres							
9	0.0	901.2	0.0	87.1	988.3	0.0	51.3	1,039.6
10	7.0	48.8	0.0	18.4	74.2	0.0	60.5	134.7
10A	0.0	52.1	0.0	15.3	67.4	0.0	81.4	148.8
11	232.0	226.5	1.6	42.9	503.0	15.0	65.5	583.5
11A	414.9	466.4	3.9	137.2	1,022.4	1.3	133.4	1,157.1
11B	200.7	512.3	0.0	131.7	844.7	0.0	133.1	977.8
12	26.4	81.8	0.0	25.1	133.3	0.0	177.9	311.2
13	81.0	806.8	0.0	358.6	1,246.4	1.1	123.9	1,371.4
25	0.0	2.7	0.0	0.0	2.7	0.0	33.5	36.2
28A	4.5	144.2	0.0	73.0	221.7	0.0	36.8	258.5
43	1.3	156.5	0.0	7.9	165.7	0.0	85.1	250.8
44	0.8	45.5	1.4	1.5	49.2	0.0	41.2	90.4
47	0.0	16.9	0.0	6.6	23.5	0.0	6.6	30.1
TOTAL	968.6	3,461.7	6.9	905.3	5,342.5	17.4	1,030.2	6,390.1

Table 4c. Nonirrigated cropland use in 1982, by MLRA.

MLRA	Cultivated cropland					Horticulture	Hayland	Total nonirrigated cropland
	Row crops	Close-grown crops	Double-cropped	Other cultivated crops	Total			
	1,000 acres							
9	0.0	889.5	0.0	87.1	976.6	0.0	50.8	1,027.4
10	0.0	26.0	0.0	10.3	36.3	0.0	20.4	56.7
10A	0.0	28.4	0.0	2.5	30.9	0.0	54.2	85.1
11	0.5	10.5	0.0	14.3	25.3	0.0	0.0	25.3
11A	1.2	15.0	0.0	13.8	30.0	0.0	7.8	37.8
11B	0.5	62.0	0.0	63.1	125.6	0.0	0.9	126.5
12	0.0	3.4	0.0	0.7	4.1	0.0	3.6	7.7
13	3.3	589.6	0.0	344.1	937.0	0.0	37.4	974.4
25	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7
28A	0.2	114.3	0.0	60.7	175.2	0.0	10.5	185.7
43	0.0	145.3	0.0	7.4	152.7	0.0	65.4	218.1
44	0.0	20.7	0.0	0.8	21.5	0.0	36.6	58.1
47	0.0	13.3	0.0	6.6	19.9	0.0	5.2	25.1
TOTAL	5.7	1,918.7	0.0	611.4	2,535.8	0.0	292.8	2,828.6

Table 5c. Irrigated cropland use in 1982, by MLRA.

MLRA	Cultivated cropland					Horticulture	Hayland	Total irrigated cropland
	Row crops	Close-grown crops	Double-cropped	Other cultivated crops	Total			
	1,000 acres							
9	0.0	11.7	0.0	0.0	11.7	0.0	0.5	12.2
10	7.0	22.8	0.0	8.1	37.9	0.0	40.1	78.0
10A	0.0	23.7	0.0	12.8	36.5	0.0	27.2	63.7
11	231.5	216.0	1.6	28.6	477.7	15.0	65.5	558.2
11A	413.7	451.4	3.9	123.4	992.4	1.3	125.6	1,119.3
11B	200.2	450.3	0.0	68.6	719.1	0.0	132.2	851.3
12	26.4	78.4	0.0	24.4	129.2	0.0	174.3	303.5
13	77.7	217.2	0.0	14.5	309.4	1.1	86.5	397.0
25	0.0	2.0	0.0	0.0	2.0	0.0	33.5	35.5
28A	4.3	29.9	0.0	12.3	46.5	0.0	26.3	72.8
43	1.3	11.2	0.0	0.5	13.0	0.0	19.7	32.7
44	0.8	24.8	1.4	0.7	27.7	0.0	4.6	32.3
47	0.0	3.6	0.0	0.0	3.6	0.0	1.4	5.0
TOTAL	962.9	1,543.0	6.9	293.9	2,806.7	17.4	737.4	3,561.5

Table 6c. Pastureland and forest land use in 1982, by MLRA.

MLRA	Pastureland							Forest land		
	Nonirrigated			Irrigated			Total			
	Grazed	Ungrazed	Total	Grazed	Ungrazed	Total		Grazed	Ungrazed	Total
	1,000 acres									
9	94.3	7.6	101.9	0.8	0.0	0.8	102.7	112.2	140.4	252.6
10	32.1	0.0	32.1	6.4	0.0	6.4	38.5	24.2	1.9	26.1
10A	48.9	0.0	48.9	16.4	0.0	16.4	65.3	41.5	14.2	55.7
11	23.3	5.3	28.6	94.6	0.7	95.3	123.9	0.0	0.0	0.0
11A	40.3	0.7	41.0	124.0	4.8	128.8	169.8	0.0	0.0	0.0
11B	13.9	4.3	18.2	70.6	0.0	70.6	88.8	1.3	1.7	3.0
12	39.3	0.7	40.0	51.3	0.0	51.3	91.3	3.2	0.0	3.2
13	178.0	7.9	185.9	83.1	0.0	83.1	269.0	220.6	75.2	295.8
25	0.0	0.0	0.0	8.7	0.0	8.7	8.7	0.0	0.0	0.0
28A	17.7	1.5	19.2	12.8	0.0	12.8	32.0	5.4	1.0	6.4
43	130.0	14.8	144.8	59.7	0.4	60.1	204.9	972.1	1,903.9	2,876.0
44	45.4	20.3	65.7	3.2	0.0	3.2	68.9	76.0	362.4	438.4
47	3.7	0.0	3.7	6.7	0.0	6.7	10.4	19.9	0.0	19.9
TOTAL	666.9	63.1	730.0	538.3	5.9	544.2	1,274.2	1,476.4	2,500.7	3,977.1

Table 9c. Conservation treatment needs on nonirrigated cropland in 1982, by MLRA.

MLRA	Adequately protected	Treatment needed			Total
		Erosion control	Drainage	Total	
	1,000 acres				
9	127.9	881.4	18.1	899.5	1,027.4
10	33.8	22.9	0.0	22.9	56.7
10A	82.9	2.2	0.0	2.2	85.1
11	11.9	13.4	0.0	13.4	25.3
11A	14.9	22.9	0.0	22.9	37.8
11B	10.3	116.2	0.0	116.2	126.5
12	5.3	2.4	0.0	2.4	7.7
13	96.5	876.1	1.8	877.9	974.4
25	0.0	0.7	0.0	0.7	0.7
28A	29.0	156.0	0.7	156.7	185.7
43	130.0	88.1	0.0	88.1	218.1
44	31.1	23.1	3.9	27.0	58.1
47	0.0	25.1	0.0	25.1	25.1
TOTAL	573.6	2,230.5	24.5	2,255.0	2,828.6

Table 10c. Conservation treatment needs on irrigated cropland in 1982, by MLRA.

MLRA	Adequately protected	Treatment needed: Erosion control	Drainage	Irrigation management	Total	Total
	1,000 acres					
9	5.6	4.8	0.0	1.8	6.6	12.2
10	41.9	9.7	0.8	25.6	36.1	78.0
10A	44.3	13.9	0.0	5.5	19.4	63.7
11	113.4	99.5	3.8	341.5	444.8	558.2
11A	251.2	538.4	0.0	329.7	868.1	1,119.3
11B	163.0	492.9	2.6	192.8	688.3	851.3
12	76.0	101.0	0.0	126.5	227.5	303.5
13	95.4	223.3	0.0	78.3	301.6	397.0
25	0.0	0.0	20.6	14.9	35.5	35.5
28A	18.5	8.1	0.2	46.0	54.3	72.8
43	14.3	0.9	0.0	17.5	18.4	32.7
44	20.6	0.0	0.0	11.7	11.7	32.3
47	0.0	0.7	0.0	4.3	5.0	5.0
TOTAL	844.2	1,493.2	28.0	1,196.1	2,717.3	3,561.5

Table 11c. Conservation treatment needs on pastureland in 1982, by MLRA.

MLRA	Adequately protected	Treatment not feasible	Treatment needed: Erosion control	Drainage	Irrigation management	Protection	Improvement	Reestablishment	Total	Total
	1,000 acres									
9	42.0	0.0	34.2	0.0	0.0	8.8	9.9	7.8	60.7	102.7
10	21.9	0.0	0.0	0.0	1.9	3.0	3.8	7.9	16.6	38.5
10A	33.7	0.0	0.0	0.0	7.7	20.0	3.9	0.0	31.6	65.3
11	21.5	4.9	1.9	7.0	49.7	2.0	28.0	8.9	97.5	123.9
11A	63.7	0.0	5.4	1.5	41.3	21.3	36.6	0.0	106.1	169.8
11B	12.2	0.4	0.0	0.0	26.9	18.8	22.4	8.1	76.2	88.8
12	10.5	3.6	5.7	1.4	17.4	10.8	6.0	35.9	77.2	91.3
13	90.1	1.8	12.0	2.7	55.3	52.1	33.8	21.2	177.1	269.0
25	0.0	0.0	0.0	0.0	8.0	0.0	0.7	0.0	8.7	8.7
28A	8.5	0.5	1.6	2.1	9.3	3.6	5.5	0.9	23.0	32.0
43	63.7	4.5	1.8	9.1	17.1	55.2	39.8	13.7	136.7	204.9
44	36.4	0.0	4.5	0.0	0.0	7.6	15.5	4.9	32.5	68.9
47	3.0	0.0	0.0	0.0	6.0	0.0	1.4	0.0	7.4	10.4
TOTAL	407.2	15.7	67.1	23.8	240.6	203.2	207.3	109.3	851.3	1,274.2

Table 12c. Conservation treatment needs on rangeland in 1982, by MLRA.

MLRA	Adequately protected	Treatment not feasible	Treatment needed: Erosion control	Protection	Improvement without brush management	Improvement with brush management	Reestablishment	Brush management and reestablishment	Total	Total
	1,000 acres									
9	38.6	13.9	2.4	47.7	10.9	10.4	33.6	2.6	107.6	160.1
10	274.0	148.9	32.4	114.6	140.8	94.8	93.4	16.0	492.0	914.9
10A	68.3	15.2	0.7	58.9	84.6	202.6	19.3	46.9	413.0	496.5
11	13.2	36.3	8.4	12.3	61.5	76.5	55.4	30.0	244.1	293.6
11A	69.0	4.0	7.6	95.7	32.6	65.4	66.5	127.8	395.6	468.6
11B	136.0	14.5	10.8	68.2	32.5	145.5	18.1	48.2	323.3	473.8
12	49.0	20.3	1.4	73.1	29.9	86.4	12.9	35.3	239.0	308.3
13	488.8	63.3	98.2	216.7	83.5	541.9	8.8	6.6	955.7	1,507.8
25	139.6	22.7	13.7	272.3	149.8	436.2	8.3	27.1	907.4	1,069.7
28A	27.8	1.9	36.5	16.8	13.0	22.9	2.3	1.2	92.7	122.4
43	197.6	52.4	14.8	142.1	64.2	246.3	40.8	55.7	563.9	813.9
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	3.2	6.0	0.7	51.1	12.2	22.1	0.0	8.0	94.1	103.3
TOTAL	1,505.1	399.4	227.6	1,169.5	715.5	1,951.0	359.4	405.4	4,828.4	6,732.9

Table 13c. Conservation treatment needs on ungrazed forest land in 1982, by MLRA.

MLRA	Adequately protected	Treatment not feasible	Treatment needed: Erosion control	Treatment needed: Timber establishment and reinforcement	Treatment needed: Timber stand improvement	Treatment needed: Timber crop improvement	Treatment needed: Total	Total
	1,000 acres							
9	14.0	2.5	11.2	24.0	83.0	5.7	123.9	140.4
10	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9
10A	14.2	0.0	0.0	0.0	0.0	0.0	0.0	14.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11B	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	42.4	0.7	11.0	0.0	20.6	0.5	32.1	75.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28A	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
43	408.8	94.8	4.6	255.1	1,123.9	16.7	1,400.3	1,903.9
44	54.6	20.0	0.0	44.3	241.1	2.4	287.8	362.4
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	535.9	119.0	26.8	323.4	1,470.3	25.3	1,845.8	2,500.7

Table 14c. Conservation treatment needs on grazed forest land in 1982, by MLRA.

MLRA	Adequately protected	Treatment not feasible	Treatment needed: Erosion control	Timber establishment and reinforcement	Timber stand improvement	Timber crop improvement	Forage protection	Improvement or reestablishment of forage	Total	Total
	1,000 acres									
9	19.6	8.9	1.3	21.0	42.2	1.3	0.0	17.9	83.7	112.2
10	7.6	0.0	0.0	6.5	4.7	2.4	3.0	0.0	16.6	24.2
10A	7.0	9.5	0.0	4.7	2.3	0.0	0.0	18.0	25.0	41.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11B	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
12	0.0	1.8	0.0	0.0	1.4	0.0	0.0	0.0	1.4	3.2
13	80.4	26.2	0.0	0.0	26.1	1.6	48.9	37.4	114.0	220.6
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28A	0.9	3.4	0.9	0.0	0.0	0.0	0.2	0.0	1.1	5.4
43	320.8	5.6	6.3	80.4	390.4	31.2	19.5	117.9	645.7	972.1
44	41.6	0.0	0.0	0.0	14.4	0.0	10.0	10.0	34.4	76.0
47	3.3	11.9	0.0	0.0	0.0	0.0	3.2	1.5	4.7	19.9
TOTAL	482.5	67.3	8.5	112.6	481.5	36.5	84.8	202.7	926.6	1,476.4

Table 16c. Estimated average annual erosion on 1982 cultivated cropland, by MLRA.

MLRA	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
9	0.0	0.0	11,117.2	11.3	988.3	11,117.2	11.3
10	0.0	0.0	191.9	2.6	74.2	191.9	2.6
10A	0.0	0.0	76.0	1.1	67.4	76.0	1.1
11	590.7	1.2	1,266.4	2.5	503.0	1,857.1	3.7
11A	3,698.3	3.6	2,121.7	2.1	1,022.4	5,820.0	5.7
11B	6,733.1	8.0	2,465.5	2.9	844.7	9,198.6	10.9
12	1,221.2	9.2	105.0	0.8	133.3	1,326.2	10.0
13	6,175.0	5.0	12,227.9	9.8	1,246.4	18,402.9	14.8
25	4.6	1.7	7.2	2.7	2.7	11.8	4.4
28A	0.0	0.0	1,192.9	5.4	221.7	1,192.9	5.4
43	2.3	0.0	645.7	3.9	165.7	648.0	3.9
44	0.0	0.0	33.7	0.7	49.2	33.7	0.7
47	0.0	0.0	274.5	11.7	23.5	274.5	11.7
TOTAL	18,425.2	3.5	31,725.6	5.9	5,342.5	50,150.8	9.4

Table 17c. Estimated average annual erosion on all 1982 cropland, by MLRA.

MLRA	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
9	0.0	0.0	11,146.7	10.7	1,039.6	11,146.7	10.7
10	0.0	0.0	209.5	1.6	134.7	209.5	1.6
10A	0.0	0.0	84.8	0.6	148.8	84.8	0.6
11	590.7	1.0	1,297.5	2.2	583.5	1,888.2	3.2
11A	3,699.3	3.2	2,162.7	1.9	1,157.1	5,862.0	5.1
11B	6,744.9	6.9	2,482.9	2.5	977.8	9,227.8	9.4
12	1,221.2	3.9	177.6	0.6	311.2	1,398.8	4.5
13	6,175.0	4.5	12,283.1	9.0	1,371.4	18,458.1	13.5
25	4.6	0.1	10.5	0.3	36.2	15.1	0.4
28A	0.0	0.0	1,201.2	4.7	258.5	1,201.2	4.7
43	2.3	0.0	697.7	2.8	250.8	700.0	2.8
44	0.0	0.0	99.1	1.1	90.4	99.1	1.1
47	0.0	0.0	278.7	9.3	30.1	278.7	9.3
TOTAL	18,438.0	2.9	32,132.0	5.0	6,390.1	50,570.0	7.9

Table 18c. Estimated average annual erosion on 1982 pastureland, by MLRA.

MLRA	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
9	0.0	0.0	413.1	4.0	102.7	413.1	4.0
10	0.0	0.0	11.0	0.3	38.5	11.0	0.3
10A	0.0	0.0	9.7	0.2	65.3	9.7	0.2
11	22.4	0.2	29.1	0.2	123.9	51.5	0.4
11A	3.0	0.0	33.4	0.2	169.8	36.4	0.2
11B	0.0	0.0	10.7	0.1	88.8	10.7	0.1
12	0.0	0.0	24.1	0.3	91.3	24.1	0.3
13	0.3	0.0	84.0	0.3	269.0	84.3	0.3
25	0.0	0.0	3.1	0.4	8.7	3.1	0.4
28A	0.0	0.0	10.0	0.3	32.0	10.0	0.3
43	0.0	0.0	98.5	0.5	204.9	98.5	0.5
44	0.0	0.0	59.3	0.9	68.9	59.3	0.9
47	0.0	0.0	3.1	0.3	10.4	3.1	0.3
TOTAL	25.7	0.0	789.1	0.6	1,274.2	814.8	0.6

Table 19c. Estimated average annual erosion on 1982 rangeland, by MLRA.

MLRA	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
9	0.0	0.0	25.9	0.2	160.1	25.9	0.2
10	0.0	0.0	195.1	0.2	914.9	195.1	0.2
10A	5.9	0.0	144.1	0.3	496.5	150.0	0.3
11	0.0	0.0	89.5	0.3	293.6	89.5	0.3
11A	120.0	0.3	226.9	0.5	468.6	346.9	0.7
11B	58.1	0.1	363.7	0.8	473.8	421.8	0.9
12	0.0	0.0	101.0	0.3	308.3	101.0	0.3
13	86.7	0.1	847.0	0.6	1,507.8	933.7	0.6
25	0.0	0.0	477.9	0.5	1,069.7	477.9	0.5
28A	0.0	0.0	246.3	2.0	122.4	246.3	2.0
43	0.0	0.0	847.4	1.0	813.9	847.4	1.0
44	-	-	-	-	0.0	-	-
47	0.0	0.0	137.1	1.3	103.3	137.1	1.3
TOTAL	270.7	0.0	3,701.9	0.6	6,732.9	3,972.6	0.6

Table 20c. Estimated average annual erosion on 1982 grazed forest land, by MLRA.

MLRA	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
9	0.0	0.0	60.7	0.5	112.2	60.7	0.5
10	0.0	0.0	2.4	0.1	24.2	2.4	0.1
10A	0.0	0.0	9.1	0.2	41.5	9.1	0.2
11	-	-	-	-	0.0	-	-
11A	-	-	-	-	0.0	-	-
11B	0.0	0.0	0.0	0.0	1.3	0.0	0.0
12	0.0	0.0	2.4	0.8	3.2	2.4	0.8
13	0.0	0.0	83.8	0.4	220.6	83.8	0.4
25	-	-	-	-	0.0	-	-
28A	0.0	0.0	14.8	2.7	5.4	14.8	2.7
43	0.0	0.0	441.3	0.5	972.1	441.3	0.5
44	0.0	0.0	3.0	0.0	76.0	3.0	0.0
47	0.0	0.0	8.0	0.4	19.9	8.0	0.4
TOTAL	0.0	0.0	625.5	0.4	1,476.4	625.5	0.4

Table 21c. Estimated average annual erosion on 1982 ungrazed forest land, by MLRA.

MLRA	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
9	0.0	0.0	93.5	0.7	140.4	93.5	0.7
10	0.0	0.0	0.1	0.1	1.9	0.1	0.1
10A	0.0	0.0	1.0	0.1	14.2	1.0	0.1
11	-	-	-	-	0.0	-	-
11A	-	-	-	-	0.0	-	-
11B	0.0	0.0	0.1	0.1	1.7	0.1	0.1
12	-	-	-	-	0.0	-	-
13	0.0	0.0	36.5	0.5	75.2	36.5	0.5
25	-	-	-	-	0.0	-	-
28A	0.0	0.0	0.1	0.1	1.0	0.1	0.1
43	0.0	0.0	340.9	0.2	1,903.9	340.9	0.2
44	0.0	0.0	38.5	0.1	362.4	38.5	0.1
47	-	-	-	-	0.0	-	-
TOTAL	0.0	0.0	510.7	0.2	2,500.7	510.7	0.2

Table 22c. Estimated average annual erosion on all 1982 forest land, by MLRA.

MLRA	Wind erosion		Sheet and rill erosion		Total		
	1,000 tons	tons/acre	1,000 tons	tons/acre	1,000 acres	1,000 tons	tons/acre
9	0.0	0.0	154.2	0.6	252.6	154.2	0.6
10	0.0	0.0	2.5	0.1	26.1	2.5	0.1
10A	0.0	0.0	10.1	0.2	55.7	10.1	0.2
11	-	-	-	-	0.0	-	-
11A	-	-	-	-	0.0	-	-
11B	0.0	0.0	0.1	0.0	3.0	0.1	0.0
12	0.0	0.0	2.4	0.8	3.2	2.4	0.8
13	0.0	0.0	120.3	0.4	295.8	120.3	0.4
25	-	-	-	-	0.0	-	-
28A	0.0	0.0	14.9	2.3	6.4	14.9	2.3
43	0.0	0.0	782.2	0.3	2,876.0	782.2	0.3
44	0.0	0.0	41.5	0.1	438.4	41.5	0.1
47	0.0	0.0	8.0	0.4	19.9	8.0	0.4
TOTAL	0.0	0.0	1,136.2	0.3	3,977.1	1,136.2	0.3

Table 25c. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 cropland, by MLRA.

MLRA	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
9	448.1	230.0	2.0	1,860.7	270.9	6.9	8,837.9	538.7	16.4	1,039.6
10	106.9	118.0	0.9	35.0	9.1	3.9	67.6	7.6	8.9	134.7
10A	69.7	146.6	0.5	15.1	2.2	6.9	-	0.0	-	148.8
11	695.7	441.2	1.6	338.8	83.1	4.1	853.7	59.2	14.4	583.5
11A	1,042.8	644.4	1.6	1,216.5	223.9	5.4	3,602.7	288.8	12.5	1,157.1
11B	420.1	382.2	1.1	749.3	112.6	6.7	8,058.4	483.0	16.7	977.8
12	130.8	233.7	0.6	98.3	22.6	4.4	1,169.7	54.9	21.3	311.2
13	656.7	349.6	1.9	2,392.0	337.5	7.1	15,409.4	684.3	22.5	1,371.4
25	8.9	35.5	0.3	-	0.0	-	6.2	0.7	8.9	36.2
28A	201.4	177.5	1.1	214.8	36.6	5.9	785.0	44.4	17.7	258.5
43	133.2	209.5	0.6	83.6	14.3	5.9	483.2	27.0	17.9	250.8
44	39.0	85.3	0.5	-	0.0	-	60.1	5.1	11.8	90.4
47	10.6	11.6	0.9	38.3	6.0	6.4	229.8	12.5	18.4	30.1
TOTAL	3,963.9	3,065.1	1.3	7,042.4	1,118.8	6.3	39,563.7	2,206.2	17.9	6,390.1

Table 26c. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 pastureland, by MLRA.

MLRA	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
9	59.5	78.0	0.8	-	0.0	-	353.6	24.7	14.3	102.7
10	11.0	38.5	0.3	-	0.0	-	-	0.0	-	38.5
10A	9.7	65.3	0.2	-	0.0	-	-	0.0	-	65.3
11	24.6	120.9	0.2	10.3	1.9	5.4	16.6	1.1	15.1	123.9
11A	34.2	169.1	0.2	2.2	0.7	3.1	-	0.0	-	169.8
11B	10.7	88.8	0.1	-	0.0	-	-	0.0	-	88.8
12	20.0	87.7	0.2	4.1	3.6	1.1	-	0.0	-	91.3
13	76.1	266.8	0.3	1.7	1.1	1.6	6.5	1.1	5.9	269.0
25	3.1	8.7	0.4	-	0.0	-	-	0.0	-	8.7
28A	3.0	29.6	0.1	7.0	2.1	3.3	0.0	0.3	0.0	32.0
43	91.0	203.1	0.5	7.5	1.8	4.2	-	0.0	-	204.9
44	23.2	64.7	0.4	36.1	4.2	8.6	-	0.0	-	68.9
47	3.1	10.4	0.3	-	0.0	-	-	0.0	-	10.4
TOTAL	369.2	1,231.6	0.3	68.9	15.4	4.5	376.7	27.2	13.9	1,274.2

Table 27c. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 rangeland, by MLRA.

MLRA	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
9	25.9	160.1	0.2	-	0.0	-	-	0.0	-	160.1
10	188.7	913.6	0.2	3.5	0.7	5.0	2.9	0.6	4.8	914.9
10A	143.9	494.8	0.3	-	0.0	-	6.1	1.7	3.6	496.5
11	87.7	292.9	0.3	1.8	0.7	2.6	-	0.0	-	293.6
11A	166.7	443.5	0.4	20.6	8.0	2.6	159.6	17.1	9.3	468.6
11B	63.5	449.6	0.1	81.0	10.6	7.6	277.3	13.6	20.4	473.8
12	86.0	303.8	0.3	7.2	3.1	2.3	7.8	1.4	5.6	308.3
13	715.0	1,478.0	0.5	45.9	15.9	2.9	172.8	13.9	12.4	1,507.8
25	381.9	1,014.8	0.4	49.4	34.4	1.4	46.6	20.5	2.3	1,069.7
28A	78.4	98.0	0.8	55.5	14.8	3.8	112.4	9.6	11.7	122.4
43	519.0	746.6	0.7	111.0	43.9	2.5	217.4	23.4	9.3	813.9
44	-	0.0	-	-	0.0	-	-	0.0	-	0.0
47	60.4	86.7	0.7	22.3	8.3	2.7	54.4	8.3	6.6	103.3
TOTAL	2,517.1	6,482.4	0.4	398.2	140.4	2.8	1,057.3	110.1	9.6	6,732.9

Table 28c. Estimated average annual erosion (sheet, rill, and wind) in relation to T value on 1982 forest land, by MLRA.

MLRA	≤ T			T - 2T			> 2T			Total
	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 tons	1,000 acres	tons/acre	1,000 acres
9	25.7	246.2	0.1	-	0.0	-	128.5	6.4	20.1	252.6
10	2.5	26.1	0.1	-	0.0	-	-	0.0	-	26.1
10A	10.1	55.7	0.2	-	0.0	-	-	0.0	-	55.7
11	-	0.0	-	-	0.0	-	-	0.0	-	0.0
11A	-	0.0	-	-	0.0	-	-	0.0	-	0.0
11B	0.1	3.0	0.0	-	0.0	-	-	0.0	-	3.0
12	0.2	1.4	0.1	2.2	1.8	1.2	-	0.0	-	3.2
13	120.3	295.8	0.4	-	0.0	-	-	0.0	-	295.8
25	-	0.0	-	-	0.0	-	-	0.0	-	0.0
28A	2.4	5.5	0.4	-	0.0	-	12.5	0.9	13.9	6.4
43	570.1	2,860.4	0.2	10.0	2.8	3.6	202.1	12.8	15.8	2,876.0
44	41.5	438.4	0.1	-	0.0	-	-	0.0	-	438.4
47	8.0	19.9	0.4	-	0.0	-	-	0.0	-	19.9
TOTAL	780.9	3,952.4	0.2	12.2	4.6	2.7	343.1	20.1	17.1	3,977.1

Table 31c. Potential for conversion to cropland of pastureland and rangeland in 1982, by MLRA.

MLRA	Pastureland					Rangeland				
	High	Medium	Low	Zero	Total	High	Medium	Low	Zero	Total
	1,000 acres									
9	13.5	20.6	30.5	38.1	102.7	0.0	0.0	29.8	130.3	160.1
10	2.7	11.5	17.4	6.9	38.5	1.4	11.7	124.0	777.8	914.9
10A	4.9	20.3	33.1	7.0	65.3	0.0	9.8	126.4	360.3	496.5
11	11.9	48.4	46.2	17.4	123.9	7.7	45.0	92.0	148.9	293.6
11A	39.6	61.2	54.9	14.1	169.8	22.9	67.2	257.5	121.0	468.6
11B	21.1	28.1	26.0	13.6	88.8	41.7	68.6	166.5	197.0	473.8
12	2.0	44.3	36.1	8.9	91.3	4.7	20.8	98.4	184.4	308.3
13	12.0	94.3	116.6	46.1	269.0	36.0	96.2	439.4	936.2	1,507.8
25	0.0	2.0	6.7	0.0	8.7	0.0	21.3	376.0	672.4	1,069.7
28A	2.4	4.1	16.5	9.0	32.0	0.0	8.6	14.3	99.5	122.4
43	0.0	51.2	110.6	43.1	204.9	0.0	31.5	118.1	664.3	813.9
44	6.5	25.8	32.1	4.5	68.9	0.0	0.0	0.0	0.0	0.0
47	1.5	5.2	1.4	2.3	10.4	0.0	6.2	10.1	87.0	103.3
TOTAL	118.1	417.0	528.1	211.0	1,274.2	114.4	386.9	1,852.5	4,379.1	6,732.9

Table 32c. Potential for conversion to cropland of forest land and minor land cover/uses in 1982, by MLRA.

MLRA	Forest land					Minor land cover/uses				
	High	Medium	Low	Zero	Total	High	Medium	Low	Zero	Total
	1,000 acres									
9	7.2	35.6	87.5	122.3	252.6	0.0	1.1	11.2	15.0	27.3
10	0.0	4.6	1.3	20.2	26.1	0.0	1.1	3.8	7.0	11.9
10A	0.0	0.0	4.8	50.9	55.7	0.0	1.2	2.4	46.7	50.3
11	0.0	0.0	0.0	0.0	0.0	2.6	3.7	14.4	40.2	60.9
11A	0.0	0.0	0.0	0.0	0.0	0.0	8.4	33.9	52.5	94.8
11B	0.0	0.0	1.7	1.3	3.0	12.8	3.4	12.4	48.8	77.4
12	0.0	0.0	0.0	3.2	3.2	0.7	0.7	8.1	9.1	18.6
13	6.6	0.9	77.3	211.0	295.8	0.0	7.4	7.3	37.5	52.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	31.9	32.9
28A	0.0	0.0	0.0	6.4	6.4	0.0	0.6	2.4	2.4	5.4
43	6.2	38.2	376.8	2,454.8	2,876.0	0.0	3.2	26.5	70.2	99.9
44	3.7	60.6	151.2	222.9	438.4	0.8	0.0	6.8	19.1	26.7
47	0.0	0.0	0.0	19.9	19.9	0.5	0.0	0.0	1.2	1.7
TOTAL	23.7	139.9	700.6	3,112.9	3,977.1	17.4	30.8	130.2	381.6	560.0

Table 33c. Potential for conversion to cropland and cropland in 1982, by MLRA.

MLRA	Potential for conversion to cropland of pastureland, rangeland, forest land, and minor land cover/uses: High	Medium	Low	Zero	Total	Cropland	Total
	1,000 acres						
9	20.7	57.3	159.0	305.7	542.7	1,039.6	1,582.3
10	4.1	28.9	146.5	811.9	991.4	134.7	1,126.1
10A	4.9	31.3	166.7	464.9	667.8	148.8	816.6
11	22.2	97.1	152.6	206.5	478.4	583.5	1,061.9
11A	62.5	136.8	346.3	187.6	733.2	1,157.1	1,890.3
11B	75.6	100.1	206.6	260.7	643.0	977.8	1,620.8
12	7.4	65.8	142.6	205.6	421.4	311.2	732.6
13	54.6	198.8	640.6	1,230.8	2,124.8	1,371.4	3,496.2
25	0.0	23.3	383.7	704.3	1,111.3	36.2	1,147.5
28A	2.4	13.3	33.2	117.3	166.2	258.5	424.7
43	6.2	124.1	632.0	3,232.4	3,994.7	250.8	4,245.5
44	11.0	86.4	190.1	246.5	534.0	90.4	624.4
47	2.0	11.4	11.5	110.4	135.3	30.1	165.4
TOTAL	273.6	974.6	3,211.4	8,084.6	12,544.2	6,390.1	18,934.3

Table 34c. Prime farmland in 1982, by MLRA.

MLRA	Cropland			Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
	Nonirrigated	Irrigated	Total					
	1,000 acres							
9	367.9	10.6	378.5	9.6	0.0	2.7	5.1	395.9
10	12.5	50.3	62.8	8.3	2.8	4.6	2.1	80.6
10A	44.7	26.7	71.4	11.3	3.6	0.0	1.1	87.4
11	4.8	363.7	368.5	43.8	2.8	0.0	5.5	420.6
11A	2.2	941.0	943.2	88.3	2.4	0.0	9.2	1,043.1
11B	7.6	642.8	650.4	42.6	14.7	0.0	6.1	713.8
12	0.0	47.7	47.7	2.0	1.3	0.0	1.3	52.3
13	150.0	126.9	276.9	25.9	17.7	0.0	0.5	321.0
25	0.0	10.9	10.9	2.7	6.9	0.0	0.0	20.5
28A	43.6	43.6	87.2	5.1	0.0	0.0	2.6	94.9
43	98.8	9.0	107.8	23.3	3.3	1.2	1.5	137.1
44	11.4	19.9	31.3	10.0	0.0	3.0	1.9	46.2
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	743.5	2,293.1	3,036.6	272.9	55.5	11.5	36.9	3,413.4

Table 35c. Pastureland condition in 1982, by MLRA.

MLRA	Good	Fair	Poor	Other	Total
			1,000 acres		
9	13.9	63.2	12.0	13.6	102.7
10	4.0	24.1	10.4	0.0	38.5
10A	29.3	30.5	5.5	0.0	65.3
11	26.4	58.2	35.2	4.1	123.9
11A	74.5	62.3	31.5	1.5	169.8
11B	34.9	42.8	8.5	2.6	88.8
12	15.2	39.5	32.5	4.1	91.3
13	129.8	91.0	36.8	11.4	269.0
25	6.0	2.0	0.7	0.0	8.7
28A	8.0	17.3	4.7	2.0	32.0
43	47.5	113.4	36.1	7.9	204.9
44	5.0	56.4	5.6	1.9	68.9
47	3.0	2.9	4.5	0.0	10.4
TOTAL	397.5	603.6	224.0	49.1	1,274.2

Table 36c. Rangeland condition in 1982, by MLRA.

MLRA	Excellent	Good	Fair	Poor	Other	Total
			1,000 acres			
9	0.0	33.8	72.0	44.4	9.9	160.1
10	58.2	184.1	282.5	370.4	19.7	914.9
10A	21.8	240.3	164.7	66.5	3.2	496.5
11	1.4	25.1	82.7	182.0	2.4	293.6
11A	0.0	12.2	126.2	201.6	128.6	468.6
11B	12.2	160.7	173.2	57.0	70.7	473.8
12	47.5	103.5	108.5	39.7	9.1	308.3
13	102.7	703.4	538.8	140.2	22.7	1,507.8
25	35.8	457.7	467.3	21.9	87.0	1,069.7
28A	6.4	62.4	41.1	9.0	3.5	122.4
43	36.6	187.6	445.8	98.9	45.0	813.9
44	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	16.5	63.1	23.7	0.0	103.3
TOTAL	322.6	2,187.3	2,565.9	1,255.3	401.8	6,732.9

Table 37c. Land with conservation practices in 1982, by MLRA.

MLRA	Cropland	Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
			1,000 acres			
9	313.1	69.7	42.3	61.1	0.0	486.2
10	76.9	11.3	490.3	5.9	0.9	585.3
10A	138.6	56.6	229.4	21.1	0.9	446.6
11	420.8	44.9	76.8	0.0	2.7	545.2
11A	954.3	113.5	183.2	0.0	2.0	1,253.0
11B	630.4	40.7	179.3	0.0	0.5	850.9
12	194.2	18.9	70.8	0.0	3.0	286.9
13	596.3	91.0	496.7	79.7	2.9	1,266.6
25	14.9	6.0	654.4	0.0	0.0	675.3
28A	108.9	13.4	65.5	1.8	0.2	189.8
43	102.2	74.7	267.0	458.8	0.0	902.7
44	34.6	11.5	0.0	72.9	0.0	119.0
47	1.4	3.0	21.4	6.5	0.7	33.0
TOTAL	3,586.6	555.2	2,777.1	707.8	13.8	7,640.5

Table 38c. Flood-prone areas in 1982, by MLRA.

MLRA	Cropland	Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
	1,000 acres					
9	90.6	21.2	6.8	14.6	3.2	136.4
10	28.2	7.0	4.2	7.6	1.0	48.0
10A	81.1	31.9	36.6	0.0	5.3	154.9
11	67.9	61.9	15.8	0.0	22.3	167.9
11A	71.9	11.6	7.0	0.0	8.7	99.2
11B	63.1	29.0	31.7	0.0	3.1	126.9
12	59.4	57.3	41.8	3.2	3.2	164.9
13	81.4	127.6	75.4	4.4	6.6	295.4
25	31.5	2.0	41.3	0.0	6.9	81.7
28A	8.0	14.9	1.5	0.0	2.7	27.1
43	39.2	91.0	19.3	57.4	52.9	259.8
44	33.9	28.0	0.0	38.0	6.6	106.5
47	2.1	0.7	0.7	0.0	0.0	3.5
TOTAL	658.3	484.1	282.1	125.2	122.5	1,672.2

Table 39c. Saline and/or alkali areas in 1982, by MLRA.

MLRA	Cropland			Pastureland	Rangeland	Forest land	Minor land cover/uses	Total
	Nonirrigated	Irrigated	Total					
	1,000 acres							
9	5.4	0.0	5.4	0.0	0.0	0.0	0.0	5.4
10	0.0	0.9	0.9	0.0	1.8	0.0	0.0	2.7
10A	3.3	0.0	3.3	0.0	1.1	0.0	2.2	6.6
11	4.7	57.1	61.8	31.7	45.0	0.0	16.0	154.5
11A	2.3	0.0	2.3	3.2	34.4	0.0	1.7	41.6
11B	0.0	16.3	16.3	0.0	35.2	0.0	0.0	51.5
12	0.0	9.0	9.0	9.4	17.7	0.0	0.0	36.1
13	3.9	1.4	5.3	7.2	0.7	0.0	0.0	13.2
25	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.4
28A	2.7	6.2	8.9	15.1	4.2	0.0	1.2	29.4
43	0.0	0.0	0.0	0.0	0.0	0.0	12.9	12.9
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	22.3	90.9	113.2	66.6	141.5	0.0	34.0	355.3