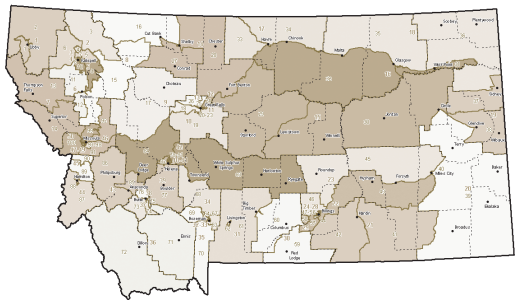
# Senate District 19 2004

**PREPARED FOR:**

***Senator Donald Steinbeisser (R)***
*RR 1, Box 3400*
*Sidney, MT 59270-9620*

*House District 37*
***Representative Walter McNutt (R)***
*110 12th Ave. SW*
*Sidney, MT 59270*

*House District 38*
***Representative Ralph Lenhart (D)***
*PO Box 1225*
*Glendive, MT 59330-1225*



*Courtesy of*

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# THE MONTANA INDEX

| | MT | U.S. |
|---|---|---|
| Population in 2000 | 902,195 | 281,421,906 |
| Population, 2003 estimate | 917,621 | 290,809,777 |
| Persons per square mile | 6.2 | 79.6 |
| Percent of people under 18 (2000) | 25.5% | 25.7% |
| Percent of people 65 and over (2000) | 13.4% | 12.4% |
| High School graduates 25 years and older | 87.2% | 80.4% |
| College Degree 25 years and older | 24.4% | 24.4% |
| Home ownership rate (2000) | 69.1% | 66.2% |
| Median value of owner-occupied homes (2000) | $99,500 | $119,600 |
| Percentage of Medicare beneficiaries in rural areas | 76% | 23% |

Per capita personal income in 2001 was $23,532 (ranking Montana 47th nationally)

9.1% of the population over age 65 lives in poverty (2002)

19.1% of children age 17 and under live in poverty (2002)

31.2% of female-headed families with children live in poverty (2002)

11,049 babies were born in 2002

32.8% of all births in 2001 were to unmarried women

15.65% of all births in 2001 were to women with fewer than 12 years of education

$35,754 was the estimated salary for public school teachers in 2003 (ranking 46th nationally)

19.3 deaths per 100,000 of the population were determined suicides in 2001 (ranking 2nd nationally)

There are more public road miles in Montana than interstate miles in the entire United States

The motor fuel sales tax revenue of $210 per capita ranks highest in the nation (2002)

There are 468 hospital beds per 100,000 population ranking 4th nationally (2002)

13 AIDS cases were reported in 2003 (200 total AIDS-related deaths through 2001)

21 animal rabies cases were reported in 2003

5,000 new cancer cases were reported in 2004

15.2% of all Montanans lacked health insurance in 2002

More than 90% of Montana's 273 communities have populations of less than 3,000 people

28% are households of only one person

78% of the population participates in gambling creating approximately $150 per household in annual tax

Montana ranks second nationally for military veterans as a percent of population (16.2% in 2000)

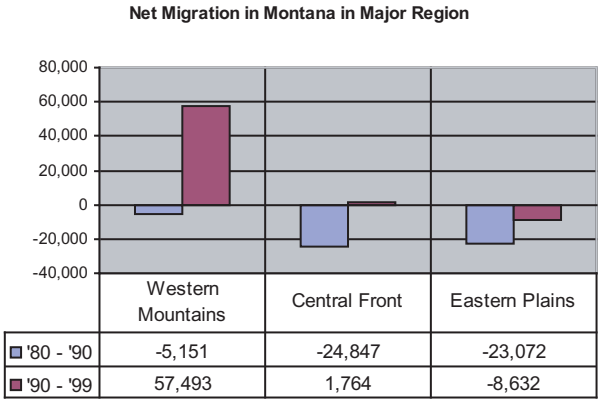
There were 3,713 Active Duty Military and 5,813 Reserve and National Guard in FY2003

As of 11/06/04 eight soldiers from Montana have died and 59 were wounded in action in Afganistan and Iraq

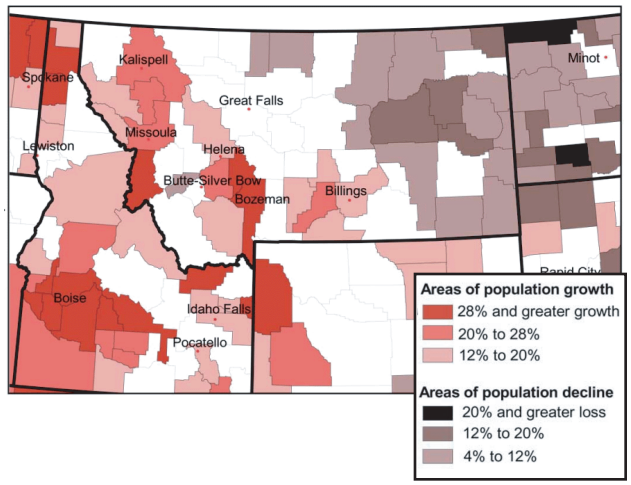
*Sources: Montana Office of Rural Health, Montana State University-Bozeman; United States Census Bureau; Washington Headquarter Directorate for Information - Department of Defense*

# Regional Growth & Economy

Montana's fastest-growing counties are Ravalli (44% growth), Gallatin (34%), Broadwater (32%), Jefferson (27%), Lake (26%), Flathead (25%), Stillwater (25%), and Missoula (22%) - the only counties with gains of over 20% and counties all located in the Western Mountain region.




| | Western Mountains | Central Front | Eastern Plains |
|---|---|---|---|
| '80 - '90 | -5,151 | -24,847 | -23,072 |
| '90 - '99 | 57,493 | 1,764 | -8,632 |




**Areas of Greatest Economic Growth and Decline**

There are more than 70 different sub-sectors of the economy. The way in which the economy is restructuring can be viewed by identifying where the biggest gains and losses in those sub-sectors are occurring. In Montana, the five fastest growing sub-sectors of the economy during the period from the late 1980s to the late 1990s are: (1) health care services; (2) finance, insurance, real estate (aka "FIRE") and non-depositories; (3) special trade contractors; (4) business services; and (5) engineering and management services. All had gains of over $100 million in labor earnings.

Declining sub-sectors in Montana include production agriculture, lumber and wood products, railroads, trucking and warehousing, coal mining, and the U.S. military.

SUB-SECTOR CHANGE IN MONTANA, '87 - '97

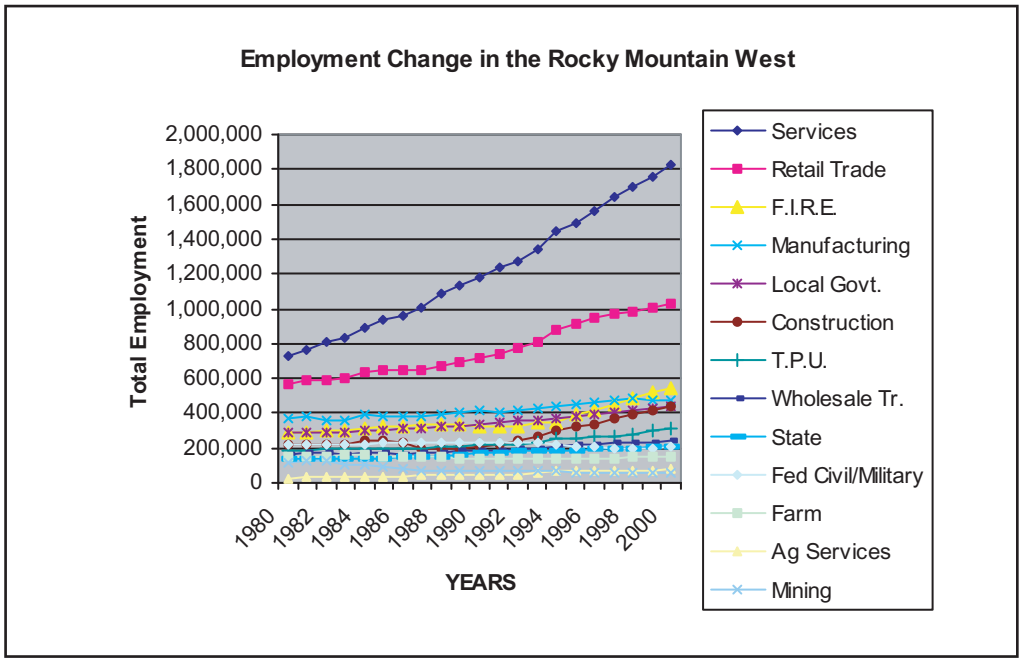
Fast-Growing Sub-Sectors (2000 dollars)
#1 Health care services + $408 mil. + 49%
#2 F.I.R.E., other than depos. + $223 mil. + 96%
#3 Special trade contractors + $197 mil. + 67%
#4 Business services + $177 mil. + 85%
#5 Engineering & mgmt services + $127 mil. + 69%
#6 Eating & drinking places + $106 mil. + 41%
#7 Auto dealers/service stations + $91 mil. + 44%
#8 Social services + $90 mil. +117%
#9 General building contractors + $78 mil. + 54%

Declining Sub-Sectors
#6 U.S. Military - $14 mil. - 6%
#5 Coal mining - $18 mil. - 20%
#4 Trucking & warehousing - $21 mil. - 7%
#3 Railroads - $ 28 mil. - 13%
#2 Lumber & wood prod. - $48 mil. - 15%
#1 Net farm income - $173 mil. - 45%

# Employment Sectors

In the last decade when the economy of the Rocky Mountain West became one of the fastest growing regional economies in the nation, employment growth in the broad services sector accounted for 37 percent of all new jobs in the region. The chart below shows employment change in the five-state region by major sector over the course of the last twenty years. There are 13 major sectors of the economy and two of these, services and retail trade, now account for nearly half of all employment.

The sector with the third highest employment is Finance, Insurance and Real Estate (the "FIRE" sector) is followed by manufacturing, construction, and local government, which includes public education.

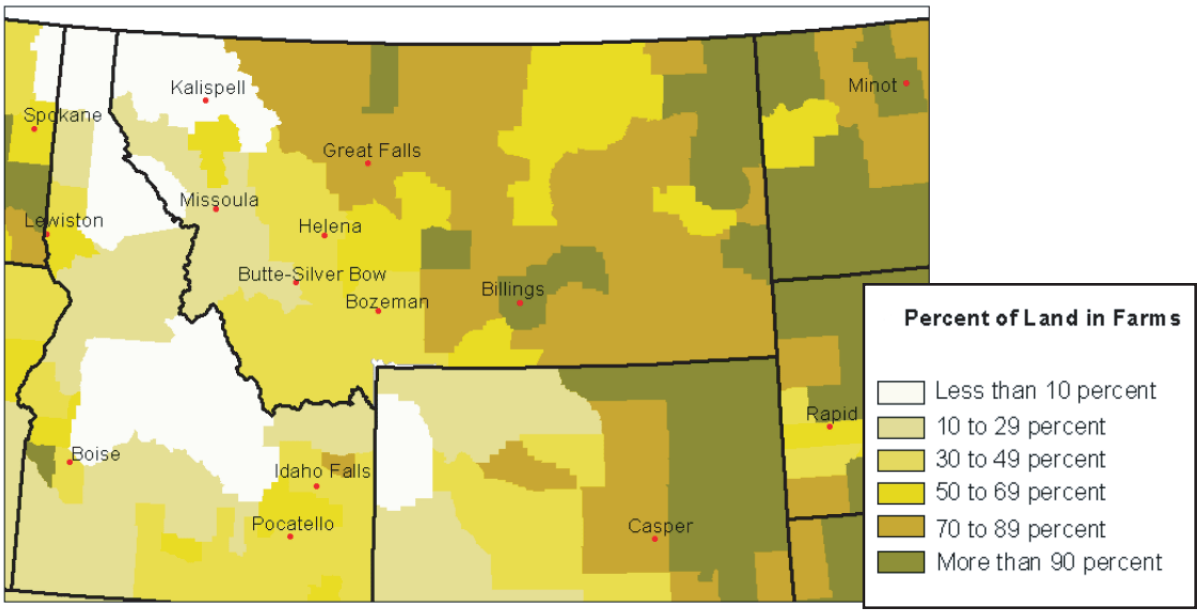



There is a perception in Montana that the state's economy is deteriorating, with many citing the growth in service and retail trade jobs and the loss of other "good" jobs in the economy. In actuality, the changing mix of jobs in Montana closely parallels the changing mix of jobs in the larger Rocky Mountain Region which has seen significant gains in economic performance in recent years. In the last decade, while service jobs grew by 37 percent in the fast-growing Rockies, they grew by 42 percent in Montana. Services and retail trade now account for nearly half of all jobs in the Rockies and for 49 percent of jobs in Montana in 2000.

*Source for this page and the previous two pages credited to Dr. Larry Swanson at the O'Conner Center for the Rocky Mountain West, University of Montana. Excerpted with permission from http://www.crmw.org/read/downloads.asp on October 21, 2004.*

# Agriculture Overview

At the time of the most recent Census of Agriculture in 1997, there were 91,575 square miles of agricultural land in Montana; the equivalent of over 58.6 million acres. Over 60 percent of the state's total land area was in farmland. Almost half of this agricultural land is located in the 21 counties of the Eastern Plains region. These nearly 29 million acres cover about 77 percent of the total land in the east. Another 19 million acres of farmland is located in the 14 Central Front counties, covering over 80 percent of that region's land area. In the West, agricultural land totalled 10.7 million acres and covered about 32 percent of the total land area.




"Negative impacts associated with noxious weeds may be ecological or economic. Noxious weeds displace native plants, reduce biodiversity, eliminate threatened and endangered plant species, alter normal ecological processes (e.g. nutrient cycling, water cycling), decrease wildlife habitat, reduce recreational value, and increase soil erosion and stream sedimentation. These negative ecological impacts result in major economic losses." (See: *www.mtweed.org/Impacts/General/general.html*)

All Montana counties are required to control weeds listed as noxious by the state of Montana. Those species are: *Cardaria draba* (whitetop), *Centaurea diffusa* (diffuse knapweed), *Centaurea maculosa* (spotted knapweed), *Centaurea repens* (Russian knapweed), *Centaurea solstitialis* (yellow starthistle), *Chondrilla juncea* (rush skeletonweed), *Chrysanthemum leucanthemum* (ox-eye daisy), *Cirsium arvense* (Canada thistle). (See: *www.umt.edu/mnps/countyweedlist.pdf*)

# District Wildlife Highlights

Montana supports a wealth of biological resources, including over 600 vertebrate animals and over 2200 plant species native to the state. Montana ranks 13th among all U.S. states in mammal diversity with over 100 species. Habitat diversity also ranks among the highest in the nation, with over 300 native vegetation types documented.

The Short-horned Lizard has a broad, flattened body that is colored to provide camouflage on dry soil Its diet includes grasshoppers, beetles and spiders.

Rivers like the Powder and Tongue, shown here, provide habitat of value to many species in the dry landscape of southeast Montana.

Barr's Milkvetch occurs almost entirely on rocky knobs and buttes in Rosebud and Powder River c ounties. This plant was once considered for federal listing, until surveys by the Natural Heritage Program revealed that it was more common than was previously thought.

Much more information on Montana's animals, plants and habitats can be found on-line in the digital "Field Guides" maintained by the Natural Heritage Program at www.mtnhp.org or by contacting the Montana State Library at 406-444-3016. All photographs courtesy of the Natural Heritage Program unless otherwise stated.

MONTANA Natural Heritage Program

# 2004 HIGHLIGHTS AND STATISTICS
# SENATE DISTRICT 19

## LAND INFORMATION

### Size [1]

Senate district 19 is 3,646.9 square miles in size, or about 2.48% of Montana's total land area (147,000 square miles). The average size of all senate districts in Montana is 2,938 square miles. District 19 ranks number 17 in size.

### Land Ownership [2]

**STATEWIDE OWNERSHIP**

| OWNER | AREA (SQUARE MILES) | PERCENT |
|---|---|---|
| Private | 83,679 | 56.95% |
| U.S. Forest Service | 26,360 | 17.94% |
| Bureau of Land Management | 12,513 | 8.52% |
| Tribal Land | 8,431 | 5.74% |
| State Trust Land | 8,052 | 5.48% |
| All Others | 7,889 | 5.37% |
| **TOTAL** | 146,924 | |

**SENATE DISTRICT 19 OWNERSHIP**

| OWNER | AREA (SQUARE MILES) | PERCENT |
|---|---|---|
| Private | 3,223 | 88.35% |
| State Trust Land | 220 | 6.03% |
| Bureau of Land Management | 160 | 4.39% |
| Other State Land | 21 | 0.58% |
| Water | 19 | 0.52% |
| Other Federal | 3 | 0.09% |
| Fish and Wildlife Service | 1 | 0.03% |
| **TOTAL** | 3,648 | |

### Conservation Easements [3]

There are approximately 2,105 square miles of conservation easements in Montana, or about 1.43% of Montana's total land area (147,000 square miles).

**SENATE DISTRICT 19 EASEMENTS:**

| EASEMENT HOLDER | AREA (SQUARE MILES) | PERCENT |
|---|---|---|
| Montana Fish, Wildlife, and Parks | 9.4 | 100.00% |
| **TOTAL** | 9.4 | |

## Agricultural Use [4]

There are approximately 59,461,000 acres of land in private agricultural production. Of this total, 63% are in grazing, 21.2% are in fallow crop rotation, 9.1% in timber and 6.7% in all other uses .

**SENATE DISTRICT 19 AGRICULTURAL USES (ACRES):**

| GRAZING | IRRIGATED | CONTIN. CROP | FALLOW CROP | TIMBER | WILD HAY | FARMSTEAD |
|---|---|---|---|---|---|---|
| 1,441,435 | 58,366 | 257 | 573,986 | 0 | 935 | 1,119 |
| 69.4% | 2.8% | 0.0% | 27.6% | 0.0% | 0.0% | 0.1% |

# DEMOGRAPHICS

## Population [5]

**STATEWIDE POPULATION:**

| YEAR | TOTAL | WHITE | BLACK | AMERICAN INDIAN | ASIAN | OTHER |
|---|---|---|---|---|---|---|
| 1990 | 799065 | 741111 | 2381 | 47679 | 4259 | 3635 |
| 2000 | 902195 | 817229 | 2692 | 56068 | 4691 | 21515 |
| Change | 103130 (12.9%) | 76118 (10.3%) | 311 (13.1%) | 8389 (17.6%) | 432 (10.1%) | 17880 (491.8%) |

**SENATE DISTRICT 19 POPULATION:**

| YEAR | TOTAL | WHITE | BLACK | AMERICAN INDIAN | ASIAN | OTHER |
|---|---|---|---|---|---|---|
| 1990 | 20557 | 20172 | 4 | 209 | 53 | 119 |
| 2000 | 19233 | 18661 | 32 | 249 | 31 | 260 |
| Change | -1324 (-6.4%) | -1511 (-7.5%) | 28 (700.%) | 40 (19.1%) | -22 (-41.5%) | 141 (118.5%) |

## Schools [6]

There are 949 K-12 schools in Montana: 90.5% are public and 9.5% private. There are 22 public and 6 private colleges.

**SENATE DISTRICT 19 SCHOOLS:**

| TYPE | GRADE SCHOOL | MIDDLE SCHOOL | HIGH SCHOOL | MIXED K-12 | COLLEGE |
|---|---|---|---|---|---|
| PUBLIC | 10 | 7 | 7 | 2 | 1 |
| PRIVATE | 0 | 0 | 0 | 2 | 0 |

## Income / Poverty for Counties in this District [7]

The median income in Montana in 2000 was $33,281. The number of people (all ages) in poverty was 117,677 or about 13% of the total population.

**SENATE DISTRICT 19 INCOME/POVERTY:**

| COUNTY | MEDIAN INCOME | TOTAL COUNTY POP. | NUMBER IN POVERTY | PERCENT IN POVERTY |
|---|---|---|---|---|
| Dawson | $33,200 | 9,059 | 1,010 | 11.1% |
| Richland | $33,605 | 9,667 | 1,179 | 12.2% |
| Wibaux | $29,080 | 1,068 | 151 | 14.1% |

### Housing Units for Counties in this District [7]

The total number of housing units in Montana increased 1.6% from 413,172 to 419,726 between 2000 and 2003.

**SENATE DISTRICT 19 HOUSING UNITS (ALL COUNTIES ENCOMPASSED BY DISTRICT):**

| COUNTY | HOUSING UNITS 2000 | HOUSING UNITS 2003 | PERCENT CHANGE |
|---|---|---|---|
| Dawson | 4,167 | 4,144 | -0.6% |
| Richland | 4,557 | 4,551 | -0.1% |
| Wibaux | 587 | 581 | -1.0% |

## WATER

### Water Well Development [8]

There are approximately 187,500 water wells in Montana: 63.9% were drilled pre 1990, 25% in the 1990's, and 11.1% since 2000.

**SENATE DISTRICT 19 WATER WELLS:**

| YEAR | # WELLS | % OF TOTAL | AVG DEPTH (FT) |
|---|---|---|---|
| Pre-1990 | 5,181 | 85.02% | 147 |
| 1990-1999 | 660 | 10.83% | 133 |
| 2000-2004 | 253 | 4.15% | 168 |
| **TOTAL** | 6,094 | | |

### Water Rights [9]

There are over 320,000 water rights in Montana.

**SENATE DISTRICT 19 WATER RIGHTS:**

| TYPE OF WATER RIGHT | COUNT | % OF TOTAL |
|---|---|---|
| STATEMENT OF CLAIM | 4,023 | 63.52% |
| GROUND WATER CERTIFICATE | 1,959 | 30.93% |
| PROVISIONAL PERMIT | 217 | 3.43% |
| EXEMPT RIGHT | 72 | 1.14% |
| STOCKWATER PERMIT | 30 | 0.47% |
| CONSERVATION DISTRICT WATER RT | 23 | 0.36% |
| IRRIGATION DISTRICTS | 5 | 0.08% |
| WATER RESERVATION WATER RIGHT | 2 | 0.03% |
| K - 62-73 GROUNDWATER | 2 | 0.03% |
| **TOTAL** | 6,333 | |

## Dams [10]

There are approximately 3,700 dams in Montana. Predominant uses are stock / farm ponds (48%) and irrigation (22.4%).

**SENATE DISTRICT 19 DAMS:**

| DAM PURPOSE | # DAMS | AVG. HT. | MIN. HT. | MAX. HT. | STORAGE CAPACITY (ACRE/FEET) |
|---|---|---|---|---|---|
| Stock / Small Farm Pond | 62 | 19.5 | 8.0 | 32.0 | 7,949 |
| Unknown | 26 | 1.0 | 0.0 | 26.0 | 1,470 |
| Irrigation | 20 | 22.8 | 10.0 | 56.0 | 3,385 |
| Recreation | 4 | 23.3 | 18.0 | 30.0 | 1,421 |
| Flood Control | 4 | 28.3 | 19.0 | 35.0 | 609 |
| Other | 3 | 12.7 | 8.0 | 21.0 | 611 |
| **TOTAL** | 119 | | | | |

## Public Water Supplies [11]

There are nearly 2,100 public water supplies in Montana, serving nearly 622,000 residents and 271,000 non-residents.

**SENATE DISTRICT 19 PUBLIC WATER SUPPLIES:**

| SOURCE | SUPPLIES | RESIDENT POPULATION SERVED | NON-RESIDENT POPULATION SERVED |
|---|---|---|---|
| Groundwater | 38 | 9,299 | 2,940 |
| Purchased | 6 | 35 | 180 |
| Surface Water | 2 | 4,802 | 25 |
| **TOTAL** | 46 | | |

# ENVIRONMENTAL

## Noxious Weed Distribution (known presence by section) [12]

Spotted Knapweed is the most predominant noxious weed in Montana with known presence in over 21% of the sections in Montana.

**SENATE DISTRICT 19 NOXIOUS WEEDS:**

| | CINQUEFOIL | LEAFY SPURGE | RUSSIAN KNAPWEED | SPOTTED KNAPWEED | TOADFLAX | TOTAL # OF SECTIONS |
|---|---|---|---|---|---|---|
| **# SECTION** | | 795 | 33 | 146 | 4 | 3,813 |
| **% SECTION** | | 20.8% | 0.9% | 3.8% | 0.1% | |

## Leaking Underground Petroleum Storage Tanks [13]

Between 1981 and 2004 there were nearly 3,880 confirmed leak sites in Montana.

**SENATE DISTRICT 19 LEAKING UNDERGROUND STORAGE TANKS:**

| CITY | YEAR RANGE | CONFIRMED LEAKS |
|---|---|---|
| Bloomfield | 1990 - 1997 | 3 |
| Culbertson | 1997 - 1997 | 1 |
| Fairview | 1993 - 1998 | 7 |
| Glendive | 1986 - 2004 | 59 |
| Lambert | 1990 - 1995 | 4 |
| Lindsay | 2000 - 2003 | 2 |
| Richey | 1989 - 2001 | 5 |
| Savage | 1993 - 1994 | 2 |
| Sidney | 1987 - 2003 | 35 |
| Wibaux | 1991 - 1996 | 6 |

## Abandoned Mines and Remediation Sites [14]

There are over 6,950 abandoned mine sites and over 740 other remediation sites in Montana.

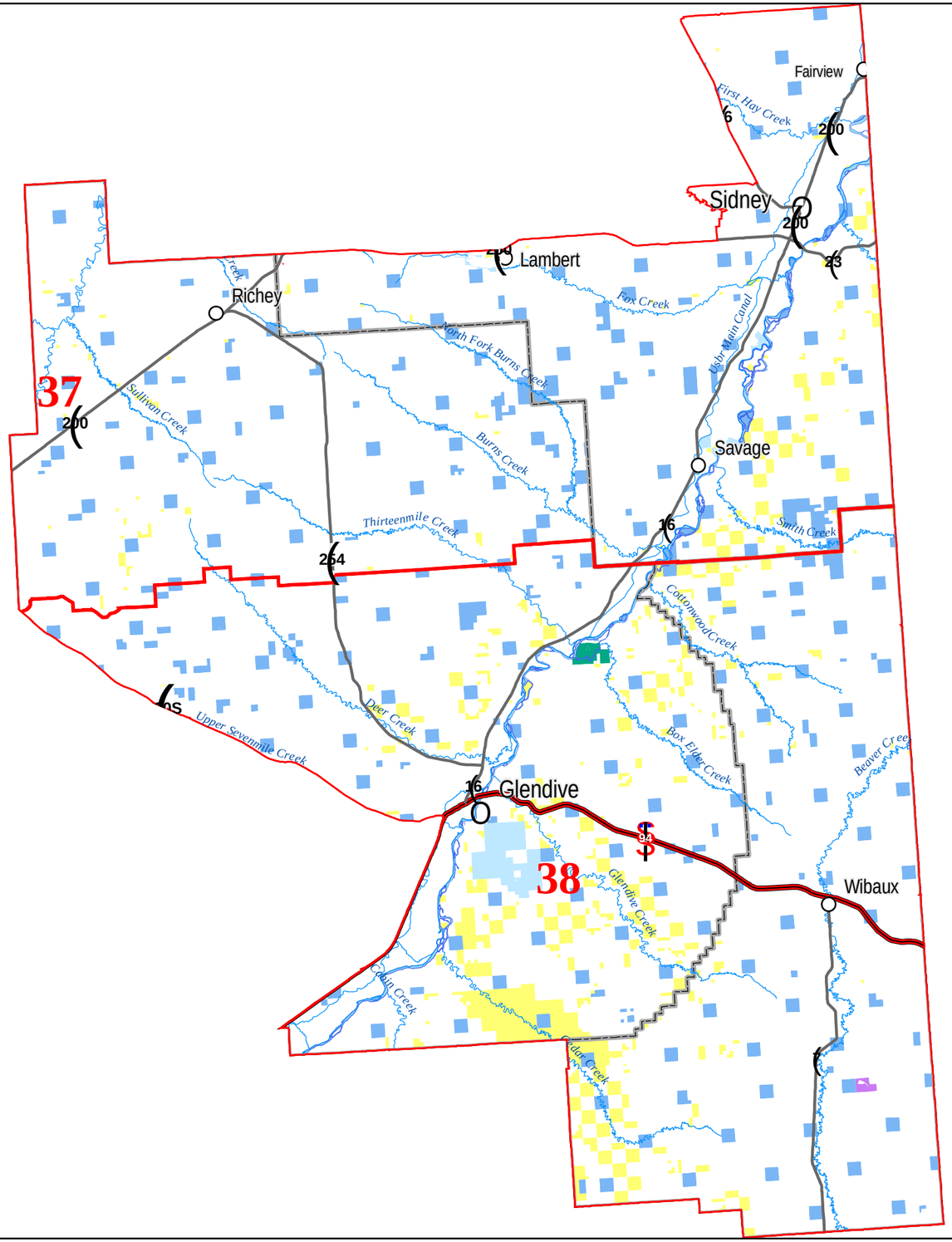
**SENATE DISTRICT 19 ABANDONED MINES/REMEDIATION SITES:**

| SITE TYPE | SITE COUNT |
|---|---|
| Abandoned Mines | 256 |
| Remediation Response | 20 |

## SOURCES

1) Senate district sizes are derived from a GIS representation of Senate districts prepared by the Montana State Library's Natural Resource Information System (NRIS) in 2003.
2) Land ownership information is derived from a GIS data layer maintained by the Montana State Library's Natural Heritage Program based on data supplied by the various government agencies. Much of the public land ownership information was originally digitized by the Bureau of Land Management (BLM) from 1:100,000 scale BLM maps. The data has not been verified against county or Montana Department of Revenue records. This data was last updated in February of 2003.
3) Conservation easement information is derived from a GIS data layer maintained by the Natural Heritage Program based on data supplied by the various public agencies and various private land trusts. The data has not been verified against county or Montana Department of Revenue records. This data was last updated in February of 2003.
4) Private land agricultural use was derived using the state Cadastral (parcel) GIS layer maintained by the Department of Administration, along with the Department of Revenue property tax database (CAMA). These classifications are maintained by the Department of Revenue for tax valuation purposes. This data was last updated in November of 2003.
5) Population figures are based on the 2000 census data from the U.S. Census Bureau. Senate district population estimates include the total population of all census blocks the district touches, resulting, in some cases, in a slight over-estimate of the district's population.
6) School information is from a GIS layer created by the Department of Administration's GIS Bureau as part of a Homeland Security critical infrastructure project. This data was last updated in May of 2004.
7) Poverty and housing unit data is from the U.S. Census Bureau, based on the 2000 Census.
8) Groundwater well information is from the Montana Bureau of Mines and Geology's Groundwater Information Center (GWIC). This data was last updated in July of 2004.
9) Water rights information is from the Department of Natural Resources and Conservation water rights database. This data was last updated in November of 2004.
10) Dam information is derived from the Corps of Engineers National Inventory of Dams, with supplemental information from the Department of Natural Resources and Conservation and Montana Fish, Wildlife and Parks. This data was last updated in September of 2003.
11) Public water supply data are from the Department of Environmental Quality (DEQ). This data was last updated in February of 2002.
12) Noxious weed distribution data is from the Weed Survey and Mapping System sponsored by the Montana Noxious Weed Trust Fund. This data was collected in 1998-1999.
13) Leaking underground storage tank data is from the DEQ's Petroleum Release Section, Remediation Division. This data was last updated in November of 2004.
14) Abandoned mine data is from DEQ's Abandoned Mine Section, Remediation Division. Remediation response site data is from DEQ's Site Response and Federal Superfund Sections, Remediation Division. This data was last updated in November of 2004.

# Senate District 19 Land Ownership




## Legend

County Border

House Districts

**Highways**

Interstate

U.S. Route

Secondary

Montana Ro

**Cities & Towns**
**2000 POPULATION**

Under 50

51 - 1000

1001 - 2500

2501 - 10000

Over 10,000

**Ownership**

B of Land Management

Bureau of Reclamation

US Fish & Wildlife

National Park Service

US Forest Service

US Dept of Agriculture

Army Corp of Engineers

Department of Defense

State Land

MT FWP

Other State Land

Local Govt

Burea of Indian Affairs

Tribal Lands

Private

Plum Creek Timber

Private Land Trust

The Nature Conservancy

Water

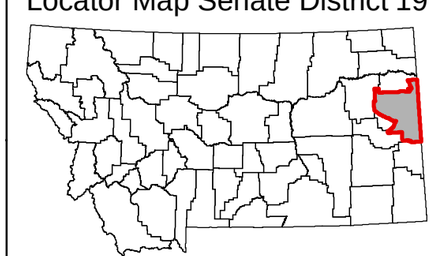
The Two House Districts In the Senate District Are Labeled in Red

Dec 12, 2004

Miles

0 6 12 18 24

Locator Map Senate District 19



Montana State Library Natural Resource Information System

Montana State Library