

ENVIRONMENTAL ASSESSMENT

HYMER MINE SHAFT CARBON COUNTY, MONTANA



**Prepared By:
Montana Department of Environmental Quality
Abandoned Mine Bureau**

April 17, 2012

SECTION 1.0: PURPOSE AND NEED FOR ACTION

AGENCY NAME:

Montana Department of Environmental Quality
Abandoned Mine Bureau

LOCATION:

NE¼ NE¼ NW ¼ of Section 34 Township 7S, Range 20E

TYPE AND PURPOSE OF ACTION:

In 1998, the Montana Department of Environmental Quality Abandoned Mine Bureau (DEQ AMB) received a complaint about a subsidence located at 512 Adams Avenue South in Red Lodge, Carbon County, Montana. There was an active subsidence area in the backyard near a newly constructed deck and house addition. The 1907 and 1912 Sanborn Fire Insurance Map verified that an abandoned mine shaft associated with the Red Lodge Coal Company, also known as the Hymer Mine Shaft, was once located on this lot.

According to a neighbor, there was a major collapse (several feet deep) over the shaft area in 1959 which was backfilled. The original house, built in 1915, was smaller and far enough away from the shaft that no subsidence would have affected it. The landowner added onto the original house and added a deck. Prior to DEQ AMB initiating any project activities in 1998, a hairline crack was observed in the house foundation and about 3-inches of settling in the deck was observed by the landowner from 1994 to 1998. The subsidence depression was 25 feet in diameter with a one foot depression. DEQ AMB responded to this subsidence by receiving authorization from the Office of Surface Mining and Enforcement Field Office Director to use DEQ AMB emergency funding.

DEQ AMB completed an emergency project at the site in 1998. The purpose of the project was to prevent continued subsidence in the area around the Hymer Mine Shaft. Specific actions, that took place as part of this reclamation project include:

- Completing an investigation drilling program
- Designing a grouting plan
- Injecting grout and monitoring movement of nearby structures
- Restoring the surface after grouting was completed

This emergency reclamation project was completed in August 1998. In 2011, DEQ AMB received a call from the landowner stating that the deck on the house had continued to subside over the years. The landowner states that he has had to continually jack his deck up and insert shoring to level the deck (see cover photo). DEQ AMB plans to complete a maintenance project to address this continued subsidence in summer 2012.

SECTION 1.1 RECLAMATION ACTIONS

The 1998 emergency reclamation project was undertaken under the direction of AMB administered by the Remediation Division of DEQ to perform drilling and grouting to prevent continued subsidence in the area around the Hymer Mine Shaft. The 1998 project included drilling five probe holes and five monitoring holes totaling 329.5 feet, injecting 62.2 cubic yards of grout, monitoring grout injection and surface movement, and reclaiming the surface disturbance. This project was considered an “emergency project” so the environmental analysis was not required prior to initiating the project.

Follow up environmental analysis documentation was not completed after completion of the project in 1998. Because of the need for maintenance at the site, this environmental analysis document is being completed for the 1998 emergency project and for future maintenance projects at the site.

| SECTION 2: IMPACTS ON THE PHYSICAL ENVIRONMENT | |
|--|---|
| HYMER MINE SHAFT SUBSIDENCE | |
| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
| <p>1. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:</p> <p>Are soils present which are fragile, erosive, susceptible to compaction, or unstable? Are there unusual or unstable geologic features? Are there special reclamation considerations?</p> | <p>Red Lodge, Montana is located on the northern edge of the Beartooth Mountain Range along the Rock Creek valley. Quaternary alluvial terraces and recent alluvium overlie the Tertiary Fort Union Formation in the area. A thick Quaternary alluvial terrace deposit forms the west edge of the valley and is referred to as the West Bench. Thinner deposits of Quaternary alluvium overlie the Fort Union which has been eroded to form the east edge (East Bench) of the valley. The town of Red Lodge is underlain by Quaternary terrace deposits and recent alluvium. Based on a review of published material and well logs, the thickness of the alluvium appears to vary from a few feet to over 100 feet in the valley bottom. The soils do not appear to be fragile, erosive, susceptible to compaction, or unstable.</p> <p>The Fort Union Formation is readily exposed along the east bench and consists of mainly shale, siltstone, sandstone, and coal deposits. The bedrock in the Red Lodge area dips approximately 25 degrees to the south-southwest toward the Beartooth Mountains. The coal deposits are part of the Red Lodge-Bearcreek Coal Field, formerly the Red Lodge Coal Field. The coal deposits are present on the east and west benches as well as below the town of Red Lodge. These geologic features are consistent with coal formation which indicates that mined out coal seams may be unstable and susceptible to collapse and surface subsidence. At this time there are no special reclamation considerations as the coal seams are deep and there are no open voids present at the surface.</p> |
| <p>2. WATER QUALITY, QUANTITY AND DISTRIBUTION:</p> <p>Are important surface or groundwater resources present? Is there potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality?</p> | <p>During the 1998 drilling and grouting project at the project area, groundwater was encountered at 29 feet below ground surface.</p> <p>Rock Creek is located approximately 0.3 miles east of the project area and flows year round. This is the only perennial stream located near the project area.</p> <p>Given the distance to Rock Creek and anticipated reclamation options such as drilling and grouting or compaction, this project will not impact groundwater or surface water quality in the vicinity of the project area.</p> |

SECTION 2: IMPACTS ON THE PHYSICAL ENVIRONMENT

HYMER MINE SHAFT SUBSIDENCE

| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
|--|---|
| <p>3. AIR QUALITY:</p> <p>Will pollution or particulate be produced? Is the project influenced by air quality regulations or zones (Class I airshed)?</p> | <p>The current ambient air quality in Red Lodge is good. The project is not located in any special air quality zones regulated by the State of Montana. Slight amounts of dust may be produced if drilling activities are performed as part of the maintenance project; however, any dust produced would be localized at the project area and would not be produced in quantities that would affect air quality.</p> |
| <p>4. VEGETATION COVER, QUALITY AND QUANTITY:</p> <p>Will vegetative communities be significantly impacted? Are any rare plants or cover types present?</p> | <p>The project area is a residential area located within the town of Red Lodge, Montana. The area is composed of typical lawn grasses and landscaping plants. Portions of lawn grass will likely be impacted and these areas will require reseeding with similar type lawn grass.</p> <p>Consultation with the Montana Natural Heritage Program (Attachment 1) indicated that no threatened or endangered plant species have been recorded within a one (1) mile buffer of the Hymer Shaft.</p> |
| <p>5. TERRESTRIAL, AVIAN AND AQUATIC LIFE HABITATS:</p> <p>Is there substantial use of the area by important wildlife, birds or fish?</p> | <p>Consultation with the Montana Natural Heritage Program (Attachment 1) indicates that eight (8) species of concern (harlequin duck, greater sage-grouse, brewer’s sparrow, Cassin’s finch, hoary bat, white-tailed prairie dog, grizzly bear, and wolverine) have been recorded within a one (1) mile buffer of the Hymer Shaft. The grizzly bear is the only species listed as threatened and endangered.</p> <p>The project area is a residential area located within the town of Red Lodge, Montana. The area consists of residential houses, paved streets, sidewalks, residential yards, and landscaping plants and trees. The project area does not provide suitable habitat for any of the eight (8) species of concern listed above. Therefore it is not likely that important wildlife, birds, or fish substantially use the area. DEQ AMB concluded that the proposed project is not likely to have any adverse effect on any of the above listed species of concern or threatened or endangered species. DEQ AMB consulted with United States Fish and Wildlife Service (USFWS) on threatened and endangered species at the site. USFWS concurred with DEQ AMB’s findings (Attachment 2).</p> |
| <p>6. UNIQUE, ENDANGERED, FRAGILE, OR LIMITED ENVIRONMENTAL RESOURCES:</p> <p>Are any federally listed threatened or endangered species or identified habitat present? Any wetlands? Species of special concern?</p> | <p>Consultation with the Montana Natural Heritage Program (Attachment 1) indicates that eight (8) species of concern (harlequin duck, greater sage-grouse, brewer’s sparrow, Cassin’s finch, hoary bat, white-tailed prairie dog, grizzly bear, and wolverine) have been recorded within a one (1) mile buffer of the Hymer Shaft. The grizzly bear is the only species listed as threatened and endangered.</p> <p>The project area is a residential area located within the town of Red Lodge, Montana. The area consists of residential houses, paved streets, sidewalks, residential yards, and landscaping plants and trees. The project area does not include any streams, wetlands, sagebrush, conifer forest, or riparian areas which are the habitats required by the eight (8) species of concern. Based on an evaluation of the site and the habitats required by the species of concern, the project area does not support suitable habitat for any of the species of concern. DEQ AMB concluded that the proposed project is not likely to have any adverse effect on any of the above listed species of concern or threatened or endangered species. DEQ AMB consulted with United States Fish and Wildlife Service (USFWS) on threatened and endangered species at the site. USFWS concurred with DEQ AMB’s findings (Attachment 2).</p> |

SECTION 2: IMPACTS ON THE PHYSICAL ENVIRONMENT

HYMER MINE SHAFT SUBSIDENCE

| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
|---|--|
| <p>7. HISTORICAL AND ARCHEOLOGICAL SITES:</p> <p>Are any historical, archeological or paleontological resources present?</p> | <p>Based on historical information, the Hymer Shaft never reached a depth greater than 100 feet and never produced any coal. According to old timers in Red Lodge, My. Hymer gave up on the shaft after his son was killed in the shaft. The 1907 and 1912 Sanborn Fire Insurance Map show a coal bin, hoisting engine, and an unnamed mine feature at the Hymer Shaft. The maps indicate that no watchman is present and that the hoisting works were not in operation. The historic Hymer Mine area now consists of residential houses, garages, residential yards, and landscaping plants and trees, and the area has been completely redeveloped since the time of the mine for residential use. Based on DEQ AMB site visits, there is no longer any trace of the Hymer Mine or mine features within the project area. During the 1998 project, several boreholes were drilled and no historical, archeological, or paleontological resources were encountered. DEQ AMB consulted with the Carbon County Historical Society (CCSH), which is a Montana certified local government, on the projects impact(s) on any potential historic features. CCHS concluded that the project “will not adversely impact any cultural, historical, or archeological resources at the site, nor within a half-mile radius thereof” (Attachment 3).</p> |
| <p>8. AESTHETICS:</p> <p>Is the project on a prominent topographic feature? Will it be visible from populated or scenic areas? Will there be excessive noise or light?</p> | <p>The project area is a residential area located within the town of Red Lodge, Montana. The project area is not located on any prominent topographic feature. Since the project area is located within a residential neighborhood, it will be visible from a populated area. Drilling is a proposed component of the maintenance project. It is anticipated that there will be some noise associated with drilling activities; however, such noise will take be in short duration (< 2 days) and will take place during daylight hours.</p> |
| <p>9. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:</p> <p>Will the project use resources that are limited in the area? Are there other activities nearby that will affect the project?</p> | <p>Activities associated with the maintenance project include drilling, digging test pits with a backhoe, and conducting structural inspections. None of these project activities will use resources that are limited in the area. All equipment and supplies will be supplied by contractors. There are no known activities nearby that will affect the project.</p> |
| <p>10. IMPACTS ON OTHER ENVIRONMENTAL RESOURCES:</p> <p>Are there other activities nearby that will affect the project?</p> | <p>There are no other known activities nearby that will affect the project.</p> |

SECTION 3: IMPACTS ON THE HUMAN POPULATION

HYMER MINE SHAFT SUBSIDENCE

| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
|---|--|
| <p>1. HUMAN HEALTH AND SAFETY:</p> <p>Will this project add to health and safety risks in the area?</p> | <p>Finding the cause of the continued subsidence and fixing the problem will eliminate a safety risk in the area. During investigation and reclamation activities, all contactors will be required to have a site specific health and safety plan so that any potential health and safety risks resulting from the project are eliminated. This project will not add to health and safety risks in the area.</p> |
| <p>2. INDUSTRIAL, COMMERCIAL AND AGRICULTURAL ACTIVITIES AND PRODUCTION:</p> <p>Will the project add to or alter these activities?</p> | <p>The project area is a residential area located within the town of Red Lodge, Montana. This project will not add to or alter any industrial, commercial and agricultural activities and production in the area.</p> |
| <p>3. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:</p> <p>Will the project create move or eliminate jobs? If so, estimated number.</p> | <p>This project will have a positive impact on the local economy due to the local employment via materials purchased at the local level and the use of local contractors. This project is estimated to create three (3) to six (6) jobs.</p> |
| <p>4. LOCAL AND STATE TAX BASE AND TAX REVENUES:</p> <p>Will the project create or eliminate tax revenue?</p> | <p>This project will have no effect on the tax base or revenues.</p> |
| <p>5. DEMAND FOR GOVERNMENT SERVICES:</p> <p>Will substantial traffic be added to existing roads? Will other services (fire protection, police, schools, etc.) be needed?</p> | <p>Any additional traffic added to existing roads will occur during initial mobilization and final demobilization of the project areas. Added traffic may include the mobilization of a drill rig and backhoe to and from the project area a few extra trucks belonging to project personnel. Given the size and scope of the maintenance project no additional government services are anticipated.</p> |
| <p>6. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:</p> <p>Are there State, County, City, USFS, BLM, Tribal, etc. zoning or management plans in effect?</p> | <p>Reclamation investigation and construction activities associated with the project area would comply with all Federal, State, regional, and local land use plans, programs, and policies. Given the size and scope of the maintenance project, it is not anticipated that there will be any zoning or management plans in effect.</p> |
| <p>7. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:</p> <p>Are wilderness or recreational areas nearby or accessed through this tract? Is there recreational potential within the tract?</p> | <p>The project area is located on private property. The project area is a residential area located within the town of Red Lodge, Montana and is accessed via public roadways. There is no wilderness or recreational area nearby or accessed through the project area.</p> |

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| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
|--|---|
| <p>8. DENISTY AND DISTRIBUTION OF POPULATION AND HOUSING:</p> <p>Will the project add to the population and require additional housing?</p> | <p>This project will not add to the population or require additional housing. Investigation and reclamation work will be completed by engineers and contractors living within or near the project area.</p> |
| <p>9. SOCIAL STRUCTURES AND MORES:</p> <p>Is some disruption of native or traditional lifestyles or communities possible?</p> | <p>The project will not disrupt native or traditional lifestyles. Some disruption to the local neighborhood may take place due to drilling activities but such disruptions will be short term and completed during daylight hours.</p> |
| <p>10. CULTURAL UNIQUENESS AND DIVERSITY:</p> <p>Will the action cause a shift in some unique quality of the area?</p> | <p>The projects will not cause any shifts in unique qualities of the areas.</p> |
| <p>11. PRIVATE PROPERTY IMPACTS:</p> <p>Are we regulating the use of private property under a regulatory statute adopted pursuant to the police power of the state? (Property management, grants, of financial assistance, and the exercise of the power of eminent domain are not within this category.) If not, no further analysis is required.</p> | <p>The actions have been approved by the landowner. The landowner has signed a Notice and Consent for Entry giving DEQ AMB, their agents, and/or contractors permission to access the property. At the completion of the projects, all disturbed areas will be reclaimed and any structures (fences, etc) that have been moved will be placed in their original location. No other regulatory action will take place.</p> |
| <p>12. ENVIRONMENTAL JUSTICE:</p> <p>Will the actions have disproportionate effect on any demographic population with regard to either income level or minority status?</p> | <p>AMB has prioritized the project in accordance with its statutory mandates and has also determined from United States Government Census figures that there is no disproportionate effect on any demographic population with regard to either income level or minority status. No consideration regarding the selection of this project was made in relation to income or race (Attachment 4).</p> |

A. PERSONS, ORGANIZATIONS AND AGENCIES CONTACTED

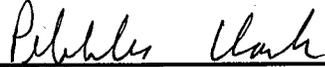
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Montana Natural Heritage Program
1515 East Sixth Avenue
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B. PREPARERS AND REVIEWERS

Montana Department of Environmental Quality
Abandoned Mine Bureau
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P.O. Box 200901
Helena, MT. 59620

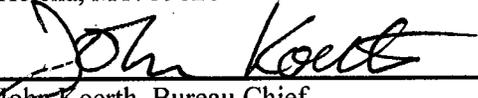


Pebbles Clark, Project Manager

Date: 04/17/2012

Reviewed by:

Montana Department of Environmental Quality
Abandoned Mine Bureau
1100 N. Last Chance Gulch
P.O. Box 200901
Helena, MT. 59620



John Koerth, Bureau Chief

Date: 4/17/12

ATTACHMENT 1

Montana Natural Heritage Program Consultation



P.O. Box 201800 • 1515 East Sixth Avenue • Helena, MT 59620-1800 • fax 406.444.02661 • tel 406.444.5354 • <http://mtnhp.org>

February 27, 2012

Pebbles Clark
MT DEQ
1100 N. Last Chance Gulch
Helena, Montana 59620

Dear Pebbles,

I am writing in response to your recent request regarding Montana Species of Concern in the vicinity of the Hymer Mine Subsidence project, in Section 34, T07S, R20E, in Carbon County. I checked our databases for information in this general area and have enclosed 13 species occurrence reports for 8 Species of Concern, and a map depicting Species of Concern and wetland locations. Note that the maps are in Adobe GeoPDF format. With the appropriate Adobe Reader, it provides a convenient way to query and understand the information presented on the map.

Please keep in mind the following when using and interpreting the enclosed information and maps:

- (1) These materials are the result of a search of our database for Species of Concern that occur in an area defined by the requested township, range and section with an additional one-mile buffer surrounding the requested area. This is done to provide a more inclusive set of records and to capture records that may be immediately adjacent to the requested area. Please let us know if a buffer greater than 1 mile would be of use to your efforts. Reports are provided for the Species of Concern that are located in your requested area with a one-mile buffer. Species of Concern outside of this buffered area may be depicted on the map due to the map extent, but are not selected for the SOC report.
- (2) On the map, polygons represent one or more source features as well as the locational uncertainty associated with the source features. A source feature is a point, line, or polygon that is the basic mapping unit of a Species Occurrence (SO) representation. The recorded location of the occurrence may vary from its true location due to many factors, including the level of expertise of the data collector, differences in survey techniques and equipment used, and the amount and type of information obtained. Therefore, this inaccuracy is characterized as locational uncertainty, and is now incorporated in the representation of an SO. If you have a question concerning a specific SO, please do not hesitate to contact us.
- (3) This report may include sensitive data, and is not intended for general distribution, publication, or for use outside of your organization. In particular, public release of specific location information

may jeopardize the welfare of threatened, endangered, or sensitive species or biological communities.

- (4) The accompanying map(s) display land management status, which may differ from ownership. Also, this report may include data from privately owned lands, and approval by the landowner is advisable if specific location information is considered for distribution. Features shown on this map do not imply public access to any lands.
- (5) Additional biological data for the search area(s) may be available from other sources. We suggest you contact the U.S. Fish and Wildlife Service for any additional information on threatened and endangered species (406-449-5225). For additional fisheries information in your area of interest, you may wish to contact Montana Fish, Wildlife, and Park's Montana Fisheries Information System (phone: 406-444-3373, or web site: <http://fwp.mt.gov/fishing/mFish/>).
- (6) Additional information on species habitat, ecology and management is available on our web site in the Plant, Animal, and ecological Systems Field Guides, which we encourage you to consult for valuable information. You can access these guides at <http://mtnhp.org>. General information on any species can be found by accessing the link to NatureServe Explorer.**

The results of a data search by the Montana Natural Heritage Program reflect the current status of our data collection efforts. These results are not intended as a final statement on sensitive species within a given area, or as a substitute for on-site surveys, which may be required for environmental assessments. The information is intended for project screening only with respect to Species of Concern, and not as a determination of environmental impacts, which should be gained in consultation with appropriate agencies and authorities.

I hope the enclosed information is helpful to you. Please feel free to contact me at (406) 444-3290 or via my e-mail address, below, should you have any questions or require additional information.

Sincerely,



Martin P. Miller
Montana Natural Heritage Program
martinm@mt.gov



Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Monday, February 27, 2012

Histrionicus histrionicus

[View Species in MT Field Guide](#)

Common Name: Harlequin Duck

General Habitat: Mountain streams

Description: Vertebrate Animal

Mapping Delineation:

Stream reaches with confirmed presence of pairs, downy young, or juveniles or where breeding effort is believed to occur due to confirmed effort in adjacent areas. Minimum stream reach length is 1,000 meters (500 meters below and above a point observation). Occurrences on smaller order streams include the area 500 meters above an observation down to the mouth of that stream. In order to reflect the importance of adjacent terrestrial habitats to survival, stream reaches are buffered 100 meters into the terrestrial habitat based on PACFISH/INFISH Riparian Conservation Area standards.

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S2B
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service:
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

FWP CFWCS Tier: 1

MT PIF Code: 1

Species Occurrences

| | | | |
|--------------------------------------|---------------|-------------------|-------|
| Species Occurrence Map Label: | 217432 | SO Number: | 20 |
| First Observation Date: | 1990-07-01 | Acreage: | 1,605 |
| Last Observation Date: | 1997-06-24 | SO Rank: | |

Centrocercus urophasianus

[View Species in MT Field Guide](#)

Common Name: Greater Sage-Grouse

General Habitat: Sagebrush

Description: Vertebrate Animal

Mapping Delineation:

Confirmed breeding area based on the presence of a nest, chicks, juveniles, or adults on a lek. Point observation location is buffered by a minimum distance of 6,400 meters in order to encompass the latest research on the area used for breeding, nesting, and brood rearing and otherwise is buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S2
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service: C
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

FWP CFWCS Tier: 1

MT PIF Code: 1

Species Occurrences

| | | | |
|--------------------------------------|---------------|-------------------|--------|
| Species Occurrence Map Label: | 357982 | SO Number: | 186 |
| First Observation Date: | 2006-07-14 | Acreage: | 31,636 |
| Last Observation Date: | 2006-07-14 | SO Rank: | |



Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Monday, February 27, 2012

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|--------|
| Species Occurrence Map Label: | 357980 | SO Number: | 185 |
| First Observation Date: | 2006-07-05 | Acreage: | 31,636 |
| Last Observation Date: | 2006-07-05 | SO Rank: | |

| | | | |
|-------------------------------|---------------|------------|--------|
| Species Occurrence Map Label: | 358046 | SO Number: | 188 |
| First Observation Date: | 2006-08-15 | Acreage: | 31,636 |
| Last Observation Date: | 2006-08-15 | SO Rank: | |

| | | | |
|-------------------------------|---------------|------------|--------|
| Species Occurrence Map Label: | 358044 | SO Number: | 187 |
| First Observation Date: | 2006-07-14 | Acreage: | 31,636 |
| Last Observation Date: | 2006-07-14 | SO Rank: | |

Spizella breweri [View Species in MT Field Guide](#)

Common Name: Brewer's Sparrow **General Habitat:** Sagebrush
Description: Vertebrate Animal
Mapping Delineation:

Confirmed breeding area based on the presence of a nest, chicks, or territorial adults during the breeding season. Point observation location is buffered by a minimum distance of 100 meters in order to encompass the maximum territory size reported for the species and otherwise is buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.

Species Status [Click Status for Explanations](#)

Natural Heritage Ranks:

State: S3B
Global: G5

Federal Agency Status:

U.S. Fish & Wildlife Service:
U.S. Forest Service:
U.S. Bureau of Land Management: SENSITIVE

FWP CFWCS Tier: 2

MT PIF Code: 2

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|---------|
| Species Occurrence Map Label: | 207152 | SO Number: | 278,797 |
| First Observation Date: | 2004-06-16 | Acreage: | 1,112 |
| Last Observation Date: | 2004-06-16 | SO Rank: | |

Carpodacus cassinii [View Species in MT Field Guide](#)

Common Name: Cassin's Finch **General Habitat:** Drier conifer forest
Description: Vertebrate Animal
Mapping Delineation:

Observations with evidence of breeding activity buffered by a minimum distance of 300 meters in order to be conservative about encompassing the courtship and foraging distance from nesting areas and otherwise buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.



Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Monday, February 27, 2012

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S3
Global: G5

Federal Agency Status:

[U.S. Fish & Wildlife Service:](#)
[U.S. Forest Service:](#)
[U.S. Bureau of Land Management:](#)

FWP CFWCS Tier: 3

MT PIF Code: 3

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|-----|
| Species Occurrence Map Label: | 290296 | SO Number: | 348 |
| First Observation Date: | 2006-07-01 | Acreage: | 70 |
| Last Observation Date: | 2006-07-01 | SO Rank: | |

Lasiurus cinereus

[View Species in MT Field Guide](#)

Common Name: Hoary Bat **General Habitat:** Riparian and forest
Description: Vertebrate Animal

Mapping Delineation:

Mistnet captures, definitively identified acoustic recordings, and definitively identified roosting individuals buffered by a minimum distance of 3,500 meters in order to be conservative about encompassing the maximum reported foraging distance for the congeneric *Lasiurus borealis* and otherwise buffered by the locational uncertainty associated with the observation up to a maximum distance of 10,000 meters.

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S3
Global: G5

Federal Agency Status:

[U.S. Fish & Wildlife Service:](#)
[U.S. Forest Service:](#)
[U.S. Bureau of Land Management:](#)

FWP CFWCS Tier: 2

MT PIF Code:

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|---------|
| Species Occurrence Map Label: | 300748 | SO Number: | 616,215 |
| First Observation Date: | 2008-07-08 | Acreage: | 9,461 |
| Last Observation Date: | 2008-07-08 | SO Rank: | |

Cynomys leucurus

[View Species in MT Field Guide](#)

Common Name: White-tailed Prairie Dog **General Habitat:** Sagebrush grassland
Description: Vertebrate Animal

Mapping Delineation:

Polygons with outer boundaries defined by the maximum extent of clustered burrow entrances (i.e., "towns"). Clusters of burrow entrances separated by distances of approximately 100 meters will generally be considered separate towns.



Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Monday, February 27, 2012

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S1
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service:
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

FWP CFWCS Tier: 1

MT PIF Code:

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|----|
| Species Occurrence Map Label: | 156073 | SO Number: | 16 |
| First Observation Date: | | Acreage: | 71 |
| Last Observation Date: | | SO Rank: | |

| | | | |
|-------------------------------|---------------|------------|----|
| Species Occurrence Map Label: | 156071 | SO Number: | 15 |
| First Observation Date: | | Acreage: | 0 |
| Last Observation Date: | | SO Rank: | |

| | | | |
|-------------------------------|---------------|------------|----|
| Species Occurrence Map Label: | 156069 | SO Number: | 14 |
| First Observation Date: | | Acreage: | 0 |
| Last Observation Date: | | SO Rank: | |

Ursus arctos

[View Species in MT Field Guide](#)

Common Name: Grizzly Bear **General Habitat:** Conifer forest

Description: Vertebrate Animal

Mapping Delineation:

U.S. Fish and Wildlife Service recovery zone boundaries for the Northern Continental Divide, Cabinet-Yaak, Yellowstone, and Bitterroot recovery areas.

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S2S3
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service: LT,XN
U.S. Forest Service: THREATENED
U.S. Bureau of Land Management: SENSITIVE

FWP CFWCS Tier: 1

MT PIF Code:

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|-----------|
| Species Occurrence Map Label: | 193731 | SO Number: | 3 |
| First Observation Date: | | Acreage: | 3,280,618 |
| Last Observation Date: | | SO Rank: | |



Natural Resource Information System
Montana State Library
PO Box 201800
Helena, MT 59620-1800
(406)444-3009 mtnhp@mt.gov

Species of Concern Data Report

Visit <http://mtnhp.org> for additional information.

Report Date:
Monday, February 27, 2012

Gulo gulo

[View Species in MT Field Guide](#)

Common Name: Wolverine

General Habitat: Boreal Forest and Alpine Habitats

Description: Vertebrate Animal

Mapping Delineation:

Confirmed area of occupancy based on the documented presence of adults or juveniles within tracking regions containing core habitat for the species. Outer boundaries of tracking regions are defined by areas of forest cover on individual mountain ranges or clusters of adjacent mountain ranges with continuous forest cover.

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S3
Global: G4

Federal Agency Status:

U.S. Fish & Wildlife Service: C
U.S. Forest Service: SENSITIVE
U.S. Bureau of Land Management: SENSITIVE

FWP CFWCS Tier: 2

MT PIF Code:

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|-----------|
| Species Occurrence Map Label: | 158029 | SO Number: | 13 |
| First Observation Date: | 1894 | Acreage: | 2,903,533 |
| Last Observation Date: | 2011 | SO Rank: | |

ATTACHMENT 2

United States Fish and Wildlife Service Threatened and Endangered Species Consultation



United States Department of the Interior
Fish and Wildlife Service

Ecological Services
Montana Field Office
585 Shepard Way
Helena, Montana 59601-6287



Phone: (406) 449-5225 Fax: (406) 449-5339

M.38 - DEQ (I)

April 3, 2012

Pebbles Clark, Project Manager
Abandoned Mine Bureau
Montana Department of Environmental Quality
P.O. Box 200901
Helena, Montana 59620-0901

Dear Ms. Clark:

I am responding to your letter dated March 6, 2012 requesting consultation with U.S. Fish and Wildlife Service (Service) regarding impacts to federally listed threatened and endangered species from abandoned mine reclamation work at the Hymer Mine Shaft. The project is located approximately within the town of Red Lodge, Montana.

We have reviewed the proposed activity and we concur with your determination that the proposed mine reclamation activities are not likely to adversely affect the grizzly bear (*Ursus arctos horribilis*) or the Canada lynx (*Lynx canadensis*). Therefore, pursuant to 50 CFR 402.13 (a), formal consultation is not required.

We appreciate your efforts to ensure the conservation of threatened and endangered species as part of our joint responsibilities under the Endangered Species Act. If you have questions or comments related to this correspondence, please Mike McGrath of my staff at 406-449-5225, extension 201.

Sincerely,

R. Mark Wilson
Field Supervisor

ATTACHMENT 3

Carbon County Historical Society Historic Preservation Consultation

SCOTT LAUF
Historic Preservation Officer
Carbon County, MT

April 11, 2012

Pebbles Clark
Abandoned Mines Section
Remediation Division, Dept. of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

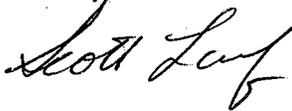
Dear Pebbles,

Per your request, I have conducted a historic property preservation review of the Hymer Mine Shaft located at 512 S. Adams Ave. Please see the enclosed form which provides some historical background on the site as well as my assessment.

Based upon my extensive research, site inspection, and review, the proposed reclamation activities by the DEQ will *not* adversely impact any cultural, historical or archeological resources at the site, nor within a half-mile radius thereof.

I hope that this is helpful in completing your cultural resources evaluation for this property. Let me know if you would like copies of property records and/or additional news articles from our archives that were not included in the Spectrum Engineering report. If you have any further questions or concerns, please feel free to contact me.

Sincerely,



Scott Lauf
Historic Preservation Officer
Carbon County, MT

RECEIVED

APR 12 2012

Department of
Environmental Quality
Remediation Division

CC: Mayor Brian Roat,
City of Red Lodge

224 Broadway Ave. N.
P.O. Box 881
Red Lodge, MT 59068

PHONE (406) 446-3667
E-MAIL preservation@carboncountyhistory.com

**CARBON COUNTY
PROPERTY PRESERVATION REVIEW FORM**

1. **Property Location:** *512 S. Adams Avenue, Red Lodge, MT 59068*
Legal Description: *S34, T07 S, R20 E / Hymer Addition / Block 38, Lot 12, 13*
Project Name: *Hymer Mine Shaft Subsidence Project*
2. **Description of action to take place: (i.e. demolition, subdivision/new construction, well drilling/pipeline, remodeling, excavating, earth moving, irrigation installation, taking property into government ownership, etc.)**
Montana Department of Environmental Quality (DEQ) will conduct reclamation activities this summer which includes drilling and backfilling of the Hymer Mine Shaft located at 512 S. Adams, Red Lodge, Carbon County. Purpose of activity is to stabilize the surface and remedy the ongoing subsidence.
3. **Are there any buildings or other structures more than 50 years old located on the property and or located near or in the proposed area:**
 X Yes No
4. **Are there any known or observed archaeological sites located on or near the property?** Yes; X No
5. **Historical Information: (describe any historical event, important person, historical patterns or archaeological sites associated with the property and surrounding area).** *This area was originally homesteaded by Alonzo Edick who then signed a quit claim deed in June 1895 to W.E. Hymer, a prominent resident and businessman of Red Lodge who came here in 1891. This area of the city south of 16th St. and west of Word Ave. was further developed and platted under the Red Lodge Townsite Company which was founded by Hymer. To this day, the neighborhood is still known as "Hymer's Addition." Hymer was also the principal founder and owner of Red Lodge Coal Co. and it was at this site – 512 S. Adams – that he began a coal mining operation in April 1904. A 100 foot shaft (8'8" x 16'2") was dug but no coal was extracted. Operations ceased the following year shortly after an accident in the shaft killed Hymer's son Clarence. Equipment remained on the site as late as 1912. A search of Carbon County's property records indicates that the original single-story, wood-frame house was built here in 1915, not 1917 as cited in previous reports. This property changed ownership eight times since then, with one Kajetan Erznosnik owning this property the longest period, from 1922 until 1969. The current owner states that he has been at this location since 1983, but property records indicate ownership since 1993. He has made several additions and renovations since then, the most recent in 2011; he has also raised his deck a couple times due to the ongoing subsidence. A search of the archives at the Carbon County Historical Society (CCHS) found numerous references to the Red Lodge Townsite Co. in the Red Lodge Picket newspaper; however, there were no additional or useful references*

about the Red Lodge Coal Co. A search of CCHS archives found no mine maps that cite the Hymer Shaft. A Cultural Resource Inventory search conducted by the State Historic Preservation Office (SHPO) found no significant historical sites at this location nor within a ½ mile radius. A review of the Historical & Architectural Inventory records of residences in Red Lodge, which were completed in 1986, found no significant historical resources at this address. An attempt to locate any surviving relatives of W.E. Hymer within the Red Lodge area was unsuccessful. A visit to the site and interview with the owner revealed that he discovered the original concrete foundation that grounded the mine shaft's hoisting equipment when he installed a new garage in 1994.

6. Conclusion and Determination:

 X **Based on the site review, it has been determined that the proposed action will *not* affect any historic property or archaeological site.**

 Based on the review, it has been determined that there may be certain historical properties or archaeological sites that may be affected by the proposed action. Further investigation and review is required. The preservation office recommends halting all action on this project until further information is obtained.

Name of Form Preparer: Scott Lauf,
Historic Preservation Officer, Carbon County
P.O. Box 881, Red Lodge, MT 59068

Signature: _____



Date of Site Visited: April 10, 2012

Date of Review Completed: April 11, 2012

ATTACHMENT 4

Environmental Justice Documentation



DP-1

Profile of General Population and Housing Characteristics: 2010

2010 Demographic Profile Data

NOTE: For more information on confidentiality protection, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2010/doc/dpsf.pdf>.

Geography: **Carbon County, Montana**

| Subject | Number | Percent |
|--------------------|--------|---------|
| SEX AND AGE | | |
| Total population | 10,078 | 100.0 |
| Under 5 years | 410 | 4.1 |
| 5 to 9 years | 543 | 5.4 |
| 10 to 14 years | 624 | 6.2 |
| 15 to 19 years | 585 | 5.8 |
| 20 to 24 years | 315 | 3.1 |
| 25 to 29 years | 425 | 4.2 |
| 30 to 34 years | 492 | 4.9 |
| 35 to 39 years | 523 | 5.2 |
| 40 to 44 years | 583 | 5.8 |
| 45 to 49 years | 842 | 8.4 |
| 50 to 54 years | 1,032 | 10.2 |
| 55 to 59 years | 914 | 9.1 |
| 60 to 64 years | 895 | 8.9 |
| 65 to 69 years | 605 | 6.0 |
| 70 to 74 years | 463 | 4.6 |
| 75 to 79 years | 317 | 3.1 |
| 80 to 84 years | 280 | 2.8 |
| 85 years and over | 230 | 2.3 |
| Median age (years) | 48.1 | (X) |
| 16 years and over | 8,362 | 83.0 |
| 18 years and over | 8,092 | 80.3 |
| 21 years and over | 7,856 | 78.0 |
| 62 years and over | 2,437 | 24.2 |
| 65 years and over | 1,895 | 18.8 |
| Male population | 5,105 | 50.7 |
| Under 5 years | 207 | 2.1 |
| 5 to 9 years | 291 | 2.9 |
| 10 to 14 years | 342 | 3.4 |
| 15 to 19 years | 301 | 3.0 |
| 20 to 24 years | 158 | 1.6 |
| 25 to 29 years | 217 | 2.2 |
| 30 to 34 years | 230 | 2.3 |
| 35 to 39 years | 260 | 2.6 |
| 40 to 44 years | 301 | 3.0 |
| 45 to 49 years | 411 | 4.1 |
| 50 to 54 years | 512 | 5.1 |
| 55 to 59 years | 461 | 4.6 |
| 60 to 64 years | 476 | 4.7 |
| 65 to 69 years | 318 | 3.2 |
| 70 to 74 years | 232 | 2.3 |
| 75 to 79 years | 162 | 1.6 |
| 80 to 84 years | 131 | 1.3 |
| 85 years and over | 95 | 0.9 |

| Subject | Number | Percent |
|--|--------|---------|
| Median age (years) | 47.9 | (X) |
| 16 years and over | 4,201 | 41.7 |
| 18 years and over | 4,066 | 40.3 |
| 21 years and over | 3,933 | 39.0 |
| 62 years and over | 1,235 | 12.3 |
| 65 years and over | 938 | 9.3 |
| Female population | 4,973 | 49.3 |
| Under 5 years | 203 | 2.0 |
| 5 to 9 years | 252 | 2.5 |
| 10 to 14 years | 282 | 2.8 |
| 15 to 19 years | 284 | 2.8 |
| 20 to 24 years | 157 | 1.6 |
| 25 to 29 years | 208 | 2.1 |
| 30 to 34 years | 262 | 2.6 |
| 35 to 39 years | 263 | 2.6 |
| 40 to 44 years | 282 | 2.8 |
| 45 to 49 years | 431 | 4.3 |
| 50 to 54 years | 520 | 5.2 |
| 55 to 59 years | 453 | 4.5 |
| 60 to 64 years | 419 | 4.2 |
| 65 to 69 years | 287 | 2.8 |
| 70 to 74 years | 231 | 2.3 |
| 75 to 79 years | 155 | 1.5 |
| 80 to 84 years | 149 | 1.5 |
| 85 years and over | 135 | 1.3 |
| Median age (years) | 48.3 | (X) |
| 16 years and over | 4,161 | 41.3 |
| 18 years and over | 4,026 | 39.9 |
| 21 years and over | 3,923 | 38.9 |
| 62 years and over | 1,202 | 11.9 |
| 65 years and over | 957 | 9.5 |
| RACE | | |
| Total population | 10,078 | 100.0 |
| One Race | 9,977 | 99.0 |
| White | 9,793 | 97.2 |
| Black or African American | 33 | 0.3 |
| American Indian and Alaska Native | 84 | 0.8 |
| Asian | 22 | 0.2 |
| Asian Indian | 1 | 0.0 |
| Chinese | 4 | 0.0 |
| Filipino | 3 | 0.0 |
| Japanese | 6 | 0.1 |
| Korean | 3 | 0.0 |
| Vietnamese | 1 | 0.0 |
| Other Asian [1] | 4 | 0.0 |
| Native Hawaiian and Other Pacific Islander | 3 | 0.0 |
| Native Hawaiian | 2 | 0.0 |
| Guamanian or Chamorro | 0 | 0.0 |
| Samoan | 0 | 0.0 |
| Other Pacific Islander [2] | 1 | 0.0 |
| Some Other Race | 42 | 0.4 |
| Two or More Races | 101 | 1.0 |
| White; American Indian and Alaska Native [3] | 64 | 0.6 |
| White; Asian [3] | 8 | 0.1 |
| White; Black or African American [3] | 10 | 0.1 |
| White; Some Other Race [3] | 8 | 0.1 |
| Race alone or in combination with one or more other races: [4] | | |
| White | 9,891 | 98.1 |
| Black or African American | 50 | 0.5 |
| American Indian and Alaska Native | 152 | 1.5 |

| Subject | Number | Percent |
|--|--------|---------|
| Asian | 32 | 0.3 |
| Native Hawaiian and Other Pacific Islander | 7 | 0.1 |
| Some Other Race | 54 | 0.5 |
| HISPANIC OR LATINO | | |
| Total population | 10,078 | 100.0 |
| Hispanic or Latino (of any race) | 188 | 1.9 |
| Mexican | 112 | 1.1 |
| Puerto Rican | 17 | 0.2 |
| Cuban | 2 | 0.0 |
| Other Hispanic or Latino [5] | 57 | 0.6 |
| Not Hispanic or Latino | 9,890 | 98.1 |
| HISPANIC OR LATINO AND RACE | | |
| Total population | 10,078 | 100.0 |
| Hispanic or Latino | 188 | 1.9 |
| White alone | 125 | 1.2 |
| Black or African American alone | 3 | 0.0 |
| American Indian and Alaska Native alone | 8 | 0.1 |
| Asian alone | 0 | 0.0 |
| Native Hawaiian and Other Pacific Islander alone | 0 | 0.0 |
| Some Other Race alone | 40 | 0.4 |
| Two or More Races | 12 | 0.1 |
| Not Hispanic or Latino | 9,890 | 98.1 |
| White alone | 9,668 | 95.9 |
| Black or African American alone | 30 | 0.3 |
| American Indian and Alaska Native alone | 76 | 0.8 |
| Asian alone | 22 | 0.2 |
| Native Hawaiian and Other Pacific Islander alone | 3 | 0.0 |
| Some Other Race alone | 2 | 0.0 |
| Two or More Races | 89 | 0.9 |
| RELATIONSHIP | | |
| Total population | 10,078 | 100.0 |
| In households | 10,025 | 99.5 |
| Householder | 4,571 | 45.4 |
| Spouse [6] | 2,441 | 24.2 |
| Child | 2,294 | 22.8 |
| Own child under 18 years | 1,845 | 18.3 |
| Other relatives | 289 | 2.9 |
| Under 18 years | 114 | 1.1 |
| 65 years and over | 52 | 0.5 |
| Nonrelatives | 430 | 4.3 |
| Under 18 years | 26 | 0.3 |
| 65 years and over | 26 | 0.3 |
| Unmarried partner | 259 | 2.6 |
| In group quarters | 53 | 0.5 |
| Institutionalized population | 45 | 0.4 |
| Male | 19 | 0.2 |
| Female | 26 | 0.3 |
| Noninstitutionalized population | 8 | 0.1 |
| Male | 3 | 0.0 |
| Female | 5 | 0.0 |
| HOUSEHOLDS BY TYPE | | |
| Total households | 4,571 | 100.0 |
| Family households (families) [7] | 2,884 | 63.1 |
| With own children under 18 years | 1,006 | 22.0 |
| Husband-wife family | 2,441 | 53.4 |
| With own children under 18 years | 762 | 16.7 |
| Male householder, no wife present | 162 | 3.5 |
| With own children under 18 years | 84 | 1.8 |
| Female householder, no husband present | 281 | 6.1 |
| With own children under 18 years | 160 | 3.5 |

| Subject | Number | Percent |
|---|--------|---------|
| Nonfamily households [7] | 1,687 | 36.9 |
| Householder living alone | 1,426 | 31.2 |
| Male | 737 | 16.1 |
| 65 years and over | 209 | 4.6 |
| Female | 689 | 15.1 |
| 65 years and over | 325 | 7.1 |
| Households with individuals under 18 years | 1,081 | 23.6 |
| Households with individuals 65 years and over | 1,349 | 29.5 |
| Average household size | 2.19 | (X) |
| Average family size [7] | 2.74 | (X) |
| HOUSING OCCUPANCY | | |
| Total housing units | 6,441 | 100.0 |
| Occupied housing units | 4,571 | 71.0 |
| Vacant housing units | 1,870 | 29.0 |
| For rent | 132 | 2.0 |
| Rented, not occupied | 11 | 0.2 |
| For sale only | 97 | 1.5 |
| Sold, not occupied | 17 | 0.3 |
| For seasonal, recreational, or occasional use | 1,379 | 21.4 |
| All other vacants | 234 | 3.6 |
| Homeowner vacancy rate (percent) [8] | 2.7 | (X) |
| Rental vacancy rate (percent) [9] | 10.6 | (X) |
| HOUSING TENURE | | |
| Occupied housing units | 4,571 | 100.0 |
| Owner-occupied housing units | 3,471 | 75.9 |
| Population in owner-occupied housing units | 7,736 | (X) |
| Average household size of owner-occupied units | 2.23 | (X) |
| Renter-occupied housing units | 1,100 | 24.1 |
| Population in renter-occupied housing units | 2,289 | (X) |
| Average household size of renter-occupied units | 2.08 | (X) |

X Not applicable.

[1] Other Asian alone, or two or more Asian categories.

[2] Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

[3] One of the four most commonly reported multiple-race combinations nationwide in Census 2000.

[4] In combination with one or more of the other races listed. The six numbers may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may report more than one race.

[5] This category is composed of people whose origins are from the Dominican Republic, Spain, and Spanish-speaking Central or South American countries. It also includes general origin responses such as "Latino" or "Hispanic."

[6] "Spouse" represents spouse of the householder. It does not reflect all spouses in a household. Responses of "same-sex spouse" were edited during processing to "unmarried partner."

[7] "Family households" consist of a householder and one or more other people related to the householder by birth, marriage, or adoption. They do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples. Same-sex couple households are included in the family households category if there is at least one additional person related to the householder by birth or adoption. Same-sex couple households with no relatives of the householder present are tabulated in nonfamily households. "Nonfamily households" consist of people living alone and households which do not have any members related to the householder.

[8] The homeowner vacancy rate is the proportion of the homeowner inventory that is vacant "for sale." It is computed by dividing the total number of vacant units "for sale only" by the sum of owner-occupied units, vacant units that are "for sale only," and vacant units that have been sold but not yet occupied; and then multiplying by 100.

[9] The rental vacancy rate is the proportion of the rental inventory that is vacant "for rent." It is computed by dividing the total number of vacant units "for rent" by the sum of the renter-occupied units, vacant units that are "for rent," and vacant units that have been rented but not yet occupied; and then multiplying by 100.

Source: U.S. Census Bureau, 2010 Census.



U.S. Census Bureau

Fast Facts for Congress

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GCT-P14. Income and Poverty in 1999: 2000

Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data

Geographic Area: **Montana -- County**

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, definitions, and count corrections see <http://factfinder.census.gov/home/en/datanotes/expsf3.htm>.

| Geographic area | Median income in 1999 (dollars) | | Per capita income in 1999 (dollars) | Median earnings in 1999 of full-time, year-round workers (dollars) | | Income in 1999 below poverty level | | | |
|------------------------|---------------------------------|---------------|-------------------------------------|--|---------------|---|---------------------------------|-------------------|---------------------|
| | Households | Families | | Male | Female | Percent of population for whom poverty status is determined | | | |
| | | | | | | All ages | Related children under 18 years | 65 years and over | Percent of families |
| Montana | 33,024 | 40,487 | 17,151 | 30,503 | 20,914 | 14.6 | 18.4 | 9.1 | 10.5 |
| COUNTY | | | | | | | | | |
| Beaverhead County | 28,962 | 38,971 | 15,621 | 26,162 | 18,115 | 17.1 | 20.3 | 12.2 | 12.8 |
| Big Horn County | 27,684 | 31,095 | 10,792 | 23,814 | 18,884 | 29.2 | 37.0 | 20.1 | 23.7 |
| Blaine County | 25,247 | 30,616 | 12,101 | 23,627 | 20,469 | 28.1 | 36.5 | 19.9 | 23.4 |
| Broadwater County | 32,689 | 36,524 | 16,237 | 28,495 | 19,500 | 10.8 | 13.7 | 7.9 | 7.6 |
| Carbon County | 32,139 | 38,405 | 17,204 | 30,226 | 19,945 | 11.6 | 14.3 | 8.8 | 8.2 |
| Carter County | 26,313 | 32,262 | 13,280 | 21,466 | 15,703 | 18.1 | 16.2 | 16.4 | 15.9 |
| Cascade County | 32,971 | 39,949 | 17,566 | 28,993 | 20,970 | 13.5 | 18.6 | 8.4 | 10.4 |
| Chouteau County | 29,150 | 32,399 | 14,851 | 22,080 | 19,318 | 20.5 | 29.3 | 8.4 | 16.5 |
| Custer County | 30,000 | 38,779 | 15,876 | 27,857 | 18,343 | 15.1 | 18.1 | 9.1 | 10.1 |
| Daniels County | 27,306 | 35,722 | 16,055 | 24,405 | 18,421 | 16.9 | 19.2 | 13.2 | 13.4 |
| Dawson County | 31,393 | 38,455 | 15,368 | 29,487 | 18,929 | 14.9 | 18.7 | 11.2 | 11.7 |
| Deer Lodge County | 26,305 | 36,158 | 15,580 | 27,230 | 18,719 | 15.8 | 21.4 | 9.8 | 11.6 |
| Fallon County | 29,944 | 38,636 | 16,014 | 27,045 | 18,077 | 12.5 | 17.5 | 6.6 | 9.5 |
| Fergus County | 30,409 | 36,609 | 15,808 | 27,260 | 18,138 | 15.4 | 19.4 | 12.2 | 10.6 |
| Flathead County | 34,466 | 40,702 | 18,112 | 31,908 | 20,619 | 13.0 | 16.7 | 8.6 | 9.4 |
| Gallatin County | 38,120 | 46,639 | 19,074 | 30,866 | 21,330 | 12.8 | 10.5 | 5.6 | 6.3 |
| Garfield County | 25,917 | 31,111 | 13,930 | 20,474 | 14,531 | 21.5 | 27.9 | 17.4 | 16.7 |
| Glacier County | 27,921 | 31,193 | 11,597 | 27,445 | 23,036 | 27.3 | 32.7 | 20.1 | 23.5 |
| Golden Valley County | 27,308 | 35,000 | 13,573 | 14,028 | 19,063 | 25.8 | 20.4 | 21.6 | 16.5 |
| Granite County | 27,813 | 33,485 | 16,636 | 26,250 | 17,961 | 16.8 | 24.2 | 8.5 | 13.9 |
| Hill County | 30,781 | 38,179 | 14,935 | 29,908 | 19,874 | 18.4 | 23.3 | 9.0 | 15.3 |
| Jefferson County | 41,506 | 48,912 | 18,250 | 34,753 | 25,011 | 9.0 | 10.4 | 9.6 | 6.7 |
| Judith Basin County | 29,241 | 34,243 | 14,291 | 21,789 | 14,615 | 21.1 | 30.6 | 13.3 | 16.3 |
| Lake County | 28,740 | 34,033 | 15,173 | 27,009 | 19,162 | 18.7 | 24.2 | 8.3 | 14.0 |
| Lewis and Clark County | 37,360 | 46,766 | 18,763 | 33,515 | 23,961 | 10.9 | 12.6 | 6.5 | 7.3 |
| Liberty County | 30,284 | 37,361 | 14,882 | 23,158 | 16,579 | 20.3 | 28.9 | 15.5 | 19.0 |
| Lincoln County | 26,754 | 31,784 | 13,923 | 30,299 | 20,600 | 19.2 | 26.4 | 10.8 | 14.2 |
| McCone County | 29,718 | 35,887 | 15,162 | 22,768 | 15,368 | 16.8 | 19.4 | 11.2 | 14.1 |
| Madison County | 30,233 | 35,536 | 16,944 | 26,606 | 17,917 | 12.1 | 14.2 | 9.3 | 10.2 |
| Meagher County | 29,375 | 33,879 | 15,019 | 22,083 | 15,417 | 18.9 | 27.4 | 13.0 | 16.4 |
| Mineral County | 27,143 | 32,096 | 15,166 | 26,782 | 18,258 | 15.8 | 18.7 | 8.5 | 12.8 |
| Missoula County | 34,454 | 44,865 | 17,808 | 31,605 | 21,720 | 14.8 | 14.6 | 8.2 | 8.8 |
| Musselshell County | 25,527 | 32,298 | 15,389 | 25,000 | 17,813 | 19.9 | 31.7 | 10.5 | 13.0 |
| Park County | 31,739 | 40,561 | 17,704 | 28,215 | 19,973 | 11.4 | 13.1 | 10.1 | 7.2 |
| Petroleum County | 24,107 | 32,667 | 15,986 | 20,694 | 17,188 | 23.2 | 25.6 | 17.3 | 21.0 |
| Phillips County | 28,702 | 37,529 | 15,058 | 25,132 | 20,274 | 18.3 | 23.1 | 12.1 | 13.8 |
| Pondera County | 30,464 | 36,484 | 14,276 | 27,125 | 19,314 | 18.8 | 23.4 | 8.3 | 15.0 |
| Powder River County | 28,398 | 34,671 | 15,351 | 23,971 | 17,411 | 12.9 | 12.7 | 16.3 | 9.9 |
| Powell County | 30,625 | 35,836 | 13,816 | 26,366 | 20,457 | 12.6 | 16.2 | 6.0 | 10.2 |
| Prairie County | 25,451 | 32,292 | 14,422 | 22,424 | 18,833 | 17.2 | 23.6 | 15.5 | 13.3 |

| Geographic area | Median income in 1999 (dollars) | | Per capita income in 1999 (dollars) | Median earnings in 1999 of full-time, year-round workers (dollars) | | Income in 1999 below poverty level | | | |
|--------------------|---------------------------------|----------|-------------------------------------|--|--------|---|---------------------------------|-------------------|---------------------|
| | Households | Families | | Male | Female | Percent of population for whom poverty status is determined | | | Percent of families |
| | | | | | | All ages | Related children under 18 years | 65 years and over | |
| Ravalli County | 31,992 | 38,397 | 17,935 | 30,994 | 19,987 | 13.8 | 20.1 | 6.3 | 9.6 |
| Richland County | 32,110 | 39,348 | 16,006 | 29,069 | 19,203 | 12.2 | 13.9 | 9.0 | 8.1 |
| Roosevelt County | 24,834 | 27,833 | 11,347 | 25,177 | 19,728 | 32.4 | 41.6 | 15.1 | 27.6 |
| Rosebud County | 35,898 | 41,631 | 15,032 | 38,688 | 20,640 | 22.4 | 31.8 | 15.1 | 17.8 |
| Sanders County | 26,852 | 31,340 | 14,593 | 28,340 | 17,630 | 17.2 | 23.3 | 9.2 | 13.3 |
| Sheridan County | 29,518 | 35,345 | 16,038 | 23,053 | 20,112 | 14.7 | 16.4 | 15.8 | 10.6 |
| Silver Bow County | 30,402 | 40,018 | 17,009 | 31,295 | 21,610 | 14.9 | 19.2 | 8.9 | 10.7 |
| Stillwater County | 39,205 | 45,238 | 18,468 | 32,148 | 19,271 | 9.8 | 12.2 | 9.2 | 6.2 |
| Sweet Grass County | 32,422 | 38,750 | 17,880 | 28,385 | 17,245 | 11.4 | 15.1 | 9.1 | 9.0 |
| Teton County | 30,197 | 36,662 | 14,635 | 25,794 | 18,389 | 16.6 | 25.6 | 8.4 | 12.2 |
| Toole County | 30,169 | 39,600 | 14,731 | 27,284 | 19,141 | 12.9 | 15.0 | 9.5 | 9.7 |
| Treasure County | 29,830 | 34,219 | 14,392 | 22,750 | 17,188 | 14.7 | 22.8 | 11.1 | 8.5 |
| Valley County | 30,979 | 39,044 | 16,246 | 27,233 | 17,686 | 13.5 | 15.4 | 14.4 | 9.5 |
| Wheatland County | 24,492 | 32,500 | 11,954 | 14,185 | 15,000 | 20.4 | 16.0 | 15.5 | 11.1 |
| Wibaux County | 28,224 | 34,265 | 16,121 | 22,750 | 18,667 | 15.3 | 18.7 | 12.6 | 8.6 |
| Yellowstone County | 36,727 | 45,277 | 19,303 | 33,475 | 21,566 | 11.1 | 14.5 | 7.4 | 8.5 |

(X) Not applicable.

Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrices P53, P77, P82, P87, P90, PCT47, and PCT52.



S1701

POVERTY STATUS IN THE PAST 12 MONTHS

2006-2010 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, for 2010, the 2010 Census provides the official counts of the population and housing units for the nation, states, counties, cities and towns. For 2006 to 2009, the Population Estimates Program provides intercensal estimates of the population for the nation, states, and counties.

| Subject | Carbon County, Montana | | | | | |
|--|------------------------|-----------------|---------------------|-----------------|-----------------------------|-----------------|
| | Total | | Below poverty level | | Percent below poverty level | |
| | Estimate | Margin of Error | Estimate | Margin of Error | Estimate | Margin of Error |
| Population for whom poverty status is determined | 9,818 | +/-134 | 1,197 | +/-303 | 12.2% | +/-3.1 |
| AGE | | | | | | |
| Under 18 years | 1,985 | +/-119 | 280 | +/-117 | 14.1% | +/-5.7 |
| Related children under 18 years | 1,963 | +/-122 | 258 | +/-113 | 13.1% | +/-5.6 |
| 18 to 64 years | 6,108 | +/-45 | 726 | +/-204 | 11.9% | +/-3.3 |
| 65 years and over | 1,725 | +/-61 | 191 | +/-65 | 11.1% | +/-3.7 |
| SEX | | | | | | |
| Male | 4,956 | +/-72 | 586 | +/-188 | 11.8% | +/-3.8 |
| Female | 4,862 | +/-86 | 611 | +/-154 | 12.6% | +/-3.1 |
| RACE AND HISPANIC OR LATINO ORIGIN | | | | | | |
| One race | 9,778 | +/-151 | 1,197 | +/-303 | 12.2% | +/-3.1 |
| White | 9,589 | +/-131 | 1,166 | +/-298 | 12.2% | +/-3.1 |
| Black or African American | 23 | +/-23 | 0 | +/-104 | 0.0% | +/-54.2 |
| American Indian and Alaska Native | 89 | +/-55 | 28 | +/-28 | 31.5% | +/-32.8 |
| Asian | 58 | +/-43 | 0 | +/-104 | 0.0% | +/-33.4 |
| Native Hawaiian and Other Pacific Islander | 0 | +/-104 | 0 | +/-104 | - | ** |
| Some other race | 19 | +/-28 | 3 | +/-7 | 15.8% | +/-41.0 |
| Two or more races | 40 | +/-43 | 0 | +/-104 | 0.0% | +/-41.1 |
| Hispanic or Latino origin (of any race) | 167 | +/-104 | 3 | +/-7 | 1.8% | +/-4.3 |
| White alone, not Hispanic or Latino | 9,441 | +/-129 | 1,166 | +/-298 | 12.4% | +/-3.1 |
| EDUCATIONAL ATTAINMENT | | | | | | |
| Population 25 years and over | 7,306 | +/-86 | 812 | +/-207 | 11.1% | +/-2.8 |
| Less than high school graduate | 620 | +/-122 | 116 | +/-45 | 18.7% | +/-7.3 |
| High school graduate (includes equivalency) | 2,628 | +/-216 | 415 | +/-142 | 15.8% | +/-5.1 |
| Some college, associate's degree | 1,969 | +/-167 | 137 | +/-59 | 7.0% | +/-2.9 |
| Bachelor's degree or higher | 2,089 | +/-233 | 144 | +/-79 | 6.9% | +/-3.7 |
| EMPLOYMENT STATUS | | | | | | |
| Civilian labor force 16 years and over | 5,400 | +/-177 | 496 | +/-160 | 9.2% | +/-3.0 |
| Employed | 5,196 | +/-176 | 451 | +/-153 | 8.7% | +/-3.0 |
| Male | 2,786 | +/-128 | 246 | +/-127 | 8.8% | +/-4.5 |
| Female | 2,410 | +/-144 | 205 | +/-71 | 8.5% | +/-2.9 |
| Unemployed | 204 | +/-66 | 45 | +/-31 | 22.1% | +/-13.8 |
| Male | 131 | +/-52 | 35 | +/-31 | 26.7% | +/-19.6 |
| Female | 73 | +/-43 | 10 | +/-9 | 13.7% | +/-14.1 |
| WORK EXPERIENCE | | | | | | |

| Subject | Carbon County, Montana | | | | | |
|--|------------------------|-----------------|---------------------|-----------------|-----------------------------|-----------------|
| | Total | | Below poverty level | | Percent below poverty level | |
| | Estimate | Margin of Error | Estimate | Margin of Error | Estimate | Margin of Error |
| Population 16 years and over | 8,134 | +/-87 | 946 | +/-229 | 11.6% | +/-2.8 |
| Worked full-time, year-round in the past 12 months | 3,262 | +/-256 | 134 | +/-56 | 4.1% | +/-1.7 |
| Worked part-time or part-year in the past 12 months | 2,659 | +/-221 | 428 | +/-162 | 16.1% | +/-5.6 |
| Did not work | 2,213 | +/-172 | 384 | +/-112 | 17.4% | +/-4.9 |
| All Individuals below: | | | | | | |
| 50 percent of poverty level | 444 | +/-146 | (X) | (X) | (X) | (X) |
| 125 percent of poverty level | 1,528 | +/-323 | (X) | (X) | (X) | (X) |
| 150 percent of poverty level | 2,056 | +/-385 | (X) | (X) | (X) | (X) |
| 185 percent of poverty level | 2,708 | +/-380 | (X) | (X) | (X) | (X) |
| 200 percent of poverty level | 2,993 | +/-362 | (X) | (X) | (X) | (X) |
| Unrelated individuals for whom poverty status is determined | 1,969 | +/-298 | 552 | +/-160 | 28.0% | +/-7.3 |
| Male | 1,048 | +/-210 | 265 | +/-128 | 25.3% | +/-11.3 |
| Female | 921 | +/-137 | 287 | +/-88 | 31.2% | +/-7.6 |
| Mean income deficit for unrelated individuals (dollars) | 2,260 | +/-669 | (X) | (X) | (X) | (X) |
| Worked full-time, year-round in the past 12 months | 655 | +/-144 | 78 | +/-42 | 11.9% | +/-5.9 |
| Worked less than full-time, year-round in the past 12 months | 782 | +/-221 | 308 | +/-139 | 39.4% | +/-13.5 |
| Did not work | 532 | +/-94 | 166 | +/-61 | 31.2% | +/-10.4 |
| PERCENT IMPUTED | | | | | | |
| Poverty status for individuals | 35.2% | (X) | (X) | (X) | (X) | (X) |

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

While the 2006-2010 American Community Survey (ACS) data generally reflect the December 2009 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2000 data. Boundaries for urban areas have not been updated since Census 2000. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2006-2010 American Community Survey

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.



DP-1

Profile of General Population and Housing Characteristics: 2010

2010 Demographic Profile Data

NOTE: For more information on confidentiality protection, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2010/doc/dpsf.pdf>.

Geography: **Montana**

| Subject | Number | Percent |
|--------------------|---------|---------|
| SEX AND AGE | | |
| Total population | 989,415 | 100.0 |
| Under 5 years | 62,423 | 6.3 |
| 5 to 9 years | 60,765 | 6.1 |
| 10 to 14 years | 61,124 | 6.2 |
| 15 to 19 years | 66,724 | 6.7 |
| 20 to 24 years | 67,138 | 6.8 |
| 25 to 29 years | 64,123 | 6.5 |
| 30 to 34 years | 58,741 | 5.9 |
| 35 to 39 years | 55,575 | 5.6 |
| 40 to 44 years | 57,370 | 5.8 |
| 45 to 49 years | 71,021 | 7.2 |
| 50 to 54 years | 78,811 | 8.0 |
| 55 to 59 years | 75,915 | 7.7 |
| 60 to 64 years | 62,943 | 6.4 |
| 65 to 69 years | 46,556 | 4.7 |
| 70 to 74 years | 34,186 | 3.5 |
| 75 to 79 years | 25,637 | 2.6 |
| 80 to 84 years | 20,342 | 2.1 |
| 85 years and over | 20,021 | 2.0 |
| Median age (years) | 39.8 | (X) |
| 16 years and over | 792,520 | 80.1 |
| 18 years and over | 765,852 | 77.4 |
| 21 years and over | 724,590 | 73.2 |
| 62 years and over | 182,590 | 18.5 |
| 65 years and over | 146,742 | 14.8 |
| Male population | 496,667 | 50.2 |
| Under 5 years | 32,129 | 3.2 |
| 5 to 9 years | 30,932 | 3.1 |
| 10 to 14 years | 31,620 | 3.2 |
| 15 to 19 years | 34,515 | 3.5 |
| 20 to 24 years | 34,939 | 3.5 |
| 25 to 29 years | 33,135 | 3.3 |
| 30 to 34 years | 30,209 | 3.1 |
| 35 to 39 years | 28,355 | 2.9 |
| 40 to 44 years | 28,848 | 2.9 |
| 45 to 49 years | 35,234 | 3.6 |
| 50 to 54 years | 38,747 | 3.9 |
| 55 to 59 years | 37,835 | 3.8 |
| 60 to 64 years | 32,124 | 3.2 |
| 65 to 69 years | 23,455 | 2.4 |
| 70 to 74 years | 16,806 | 1.7 |
| 75 to 79 years | 11,987 | 1.2 |
| 80 to 84 years | 8,781 | 0.9 |
| 85 years and over | 7,016 | 0.7 |

| Subject | Number | Percent |
|--|---------|---------|
| Median age (years) | 38.8 | (X) |
| 16 years and over | 395,598 | 40.0 |
| 18 years and over | 381,758 | 38.6 |
| 21 years and over | 360,372 | 36.4 |
| 62 years and over | 86,385 | 8.7 |
| 65 years and over | 68,045 | 6.9 |
| Female population | 492,748 | 49.8 |
| Under 5 years | 30,294 | 3.1 |
| 5 to 9 years | 29,833 | 3.0 |
| 10 to 14 years | 29,504 | 3.0 |
| 15 to 19 years | 32,209 | 3.3 |
| 20 to 24 years | 32,199 | 3.3 |
| 25 to 29 years | 30,988 | 3.1 |
| 30 to 34 years | 28,532 | 2.9 |
| 35 to 39 years | 27,220 | 2.8 |
| 40 to 44 years | 28,522 | 2.9 |
| 45 to 49 years | 35,787 | 3.6 |
| 50 to 54 years | 40,064 | 4.0 |
| 55 to 59 years | 38,080 | 3.8 |
| 60 to 64 years | 30,819 | 3.1 |
| 65 to 69 years | 23,101 | 2.3 |
| 70 to 74 years | 17,380 | 1.8 |
| 75 to 79 years | 13,650 | 1.4 |
| 80 to 84 years | 11,561 | 1.2 |
| 85 years and over | 13,005 | 1.3 |
| Median age (years) | 41.0 | (X) |
| 16 years and over | 396,922 | 40.1 |
| 18 years and over | 384,094 | 38.8 |
| 21 years and over | 364,218 | 36.8 |
| 62 years and over | 96,205 | 9.7 |
| 65 years and over | 78,697 | 8.0 |
| RACE | | |
| Total population | 989,415 | 100.0 |
| One Race | 964,439 | 97.5 |
| White | 884,961 | 89.4 |
| Black or African American | 4,027 | 0.4 |
| American Indian and Alaska Native | 62,555 | 6.3 |
| Asian | 6,253 | 0.6 |
| Asian Indian | 618 | 0.1 |
| Chinese | 1,286 | 0.1 |
| Filipino | 1,383 | 0.1 |
| Japanese | 850 | 0.1 |
| Korean | 837 | 0.1 |
| Vietnamese | 297 | 0.0 |
| Other Asian [1] | 982 | 0.1 |
| Native Hawaiian and Other Pacific Islander | 668 | 0.1 |
| Native Hawaiian | 295 | 0.0 |
| Guamanian or Chamorro | 107 | 0.0 |
| Samoan | 123 | 0.0 |
| Other Pacific Islander [2] | 143 | 0.0 |
| Some Other Race | 5,975 | 0.6 |
| Two or More Races | 24,976 | 2.5 |
| White; American Indian and Alaska Native [3] | 14,228 | 1.4 |
| White; Asian [3] | 3,233 | 0.3 |
| White; Black or African American [3] | 2,578 | 0.3 |
| White; Some Other Race [3] | 1,864 | 0.2 |
| Race alone or in combination with one or more other races: [4] | | |
| White | 908,645 | 91.8 |
| Black or African American | 7,917 | 0.8 |
| American Indian and Alaska Native | 78,601 | 7.9 |

| Subject | Number | Percent |
|--|---------|---------|
| Asian | 10,482 | 1.1 |
| Native Hawaiian and Other Pacific Islander | 1,732 | 0.2 |
| Some Other Race | 8,434 | 0.9 |
| HISPANIC OR LATINO | | |
| Total population | 989,415 | 100.0 |
| Hispanic or Latino (of any race) | 28,565 | 2.9 |
| Mexican | 20,048 | 2.0 |
| Puerto Rican | 1,491 | 0.2 |
| Cuban | 421 | 0.0 |
| Other Hispanic or Latino [5] | 6,605 | 0.7 |
| Not Hispanic or Latino | 960,850 | 97.1 |
| HISPANIC OR LATINO AND RACE | | |
| Total population | 989,415 | 100.0 |
| Hispanic or Latino | 28,565 | 2.9 |
| White alone | 16,333 | 1.7 |
| Black or African American alone | 284 | 0.0 |
| American Indian and Alaska Native alone | 2,653 | 0.3 |
| Asian alone | 115 | 0.0 |
| Native Hawaiian and Other Pacific Islander alone | 59 | 0.0 |
| Some Other Race alone | 5,435 | 0.5 |
| Two or More Races | 3,686 | 0.4 |
| Not Hispanic or Latino | 960,850 | 97.1 |
| White alone | 868,628 | 87.8 |
| Black or African American alone | 3,743 | 0.4 |
| American Indian and Alaska Native alone | 59,902 | 6.1 |
| Asian alone | 6,138 | 0.6 |
| Native Hawaiian and Other Pacific Islander alone | 609 | 0.1 |
| Some Other Race alone | 540 | 0.1 |
| Two or More Races | 21,290 | 2.2 |
| RELATIONSHIP | | |
| Total population | 989,415 | 100.0 |
| In households | 960,566 | 97.1 |
| Householder | 409,607 | 41.4 |
| Spouse [6] | 201,611 | 20.4 |
| Child | 250,732 | 25.3 |
| Own child under 18 years | 199,586 | 20.2 |
| Other relatives | 38,083 | 3.8 |
| Under 18 years | 17,018 | 1.7 |
| 65 years and over | 4,713 | 0.5 |
| Nonrelatives | 60,533 | 6.1 |
| Under 18 years | 3,979 | 0.4 |
| 65 years and over | 2,564 | 0.3 |
| Unmarried partner | 27,484 | 2.8 |
| In group quarters | 28,849 | 2.9 |
| Institutionalized population | 11,929 | 1.2 |
| Male | 7,289 | 0.7 |
| Female | 4,640 | 0.5 |
| Noninstitutionalized population | 16,920 | 1.7 |
| Male | 9,238 | 0.9 |
| Female | 7,682 | 0.8 |
| HOUSEHOLDS BY TYPE | | |
| Total households | 409,607 | 100.0 |
| Family households (families) [7] | 257,087 | 62.8 |
| With own children under 18 years | 106,102 | 25.9 |
| Husband-wife family | 201,611 | 49.2 |
| With own children under 18 years | 73,017 | 17.8 |
| Male householder, no wife present | 18,431 | 4.5 |
| With own children under 18 years | 10,799 | 2.6 |
| Female householder, no husband present | 37,045 | 9.0 |
| With own children under 18 years | 22,286 | 5.4 |

| Subject | Number | Percent |
|---|---------|---------|
| Nonfamily households [7] | 152,520 | 37.2 |
| Householder living alone | 121,775 | 29.7 |
| Male | 59,524 | 14.5 |
| 65 years and over | 14,783 | 3.6 |
| Female | 62,251 | 15.2 |
| 65 years and over | 29,167 | 7.1 |
| Households with individuals under 18 years | 116,376 | 28.4 |
| Households with individuals 65 years and over | 104,994 | 25.6 |
| Average household size | 2.35 | (X) |
| Average family size [7] | 2.91 | (X) |
| HOUSING OCCUPANCY | | |
| Total housing units | 482,825 | 100.0 |
| Occupied housing units | 409,607 | 84.8 |
| Vacant housing units | 73,218 | 15.2 |
| For rent | 10,082 | 2.1 |
| Rented, not occupied | 773 | 0.2 |
| For sale only | 5,964 | 1.2 |
| Sold, not occupied | 1,353 | 0.3 |
| For seasonal, recreational, or occasional use | 38,510 | 8.0 |
| All other vacants | 16,536 | 3.4 |
| Homeowner vacancy rate (percent) [8] | 2.1 | (X) |
| Rental vacancy rate (percent) [9] | 7.1 | (X) |
| HOUSING TENURE | | |
| Occupied housing units | 409,607 | 100.0 |
| Owner-occupied housing units | 278,418 | 68.0 |
| Population in owner-occupied housing units | 674,535 | (X) |
| Average household size of owner-occupied units | 2.42 | (X) |
| Renter-occupied housing units | 131,189 | 32.0 |
| Population in renter-occupied housing units | 286,031 | (X) |
| Average household size of renter-occupied units | 2.18 | (X) |

X Not applicable.

[1] Other Asian alone, or two or more Asian categories.

[2] Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

[3] One of the four most commonly reported multiple-race combinations nationwide in Census 2000.

[4] In combination with one or more of the other races listed. The six numbers may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may report more than one race.

[5] This category is composed of people whose origins are from the Dominican Republic, Spain, and Spanish-speaking Central or South American countries. It also includes general origin responses such as "Latino" or "Hispanic."

[6] "Spouse" represents spouse of the householder. It does not reflect all spouses in a household. Responses of "same-sex spouse" were edited during processing to "unmarried partner."

[7] "Family households" consist of a householder and one or more other people related to the householder by birth, marriage, or adoption. They do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples. Same-sex couple households are included in the family households category if there is at least one additional person related to the householder by birth or adoption. Same-sex couple households with no relatives of the householder present are tabulated in nonfamily households. "Nonfamily households" consist of people living alone and households which do not have any members related to the householder.

[8] The homeowner vacancy rate is the proportion of the homeowner inventory that is vacant "for sale." It is computed by dividing the total number of vacant units "for sale only" by the sum of owner-occupied units, vacant units that are "for sale only," and vacant units that have been sold but not yet occupied; and then multiplying by 100.

[9] The rental vacancy rate is the proportion of the rental inventory that is vacant "for rent." It is computed by dividing the total number of vacant units "for rent" by the sum of the renter-occupied units, vacant units that are "for rent," and vacant units that have been rented but not yet occupied; and then multiplying by 100.

Source: U.S. Census Bureau, 2010 Census.