

ENVIRONMENTAL ASSESSMENT

HUMBOLDT MINE SHAFT

LEWIS & CLARK COUNTY, MONTANA



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

July 2, 2012

SECTION 1.0: PURPOSE AND NEED FOR ACTION

AGENCY NAME:

Montana Department of Environmental Quality
Abandoned Mine Bureau

LOCATION:

1209 Winscott Lane
Helena, Montana 59601
Lewis and Clark County

Section 4 Township 9N, Range 3W

Latitude: N46 34.192
Longitude: W111 59.943

TYPE AND PURPOSE OF ACTION:

In April 2012, the Montana Department of Environmental Quality Abandoned Mine Lands Bureau (DEQ AMLB) received a complaint from the Lewis and Clark County Environmental Health Specialist about an open mine subsidence (shaft) located at 1209 Winscott Lane, Helena, Lewis and Clark County Montana. This property is a residential lot that is used as a seasonal residence by the landowner. Site features include a camper trailer that is located to the east of the shaft, a domestic well, septic tank, and septic drain field. The septic tank and distribution box are located adjacent to the shaft and are in danger of collapsing into the shaft. One septic line is suspended in the air above the shaft with the connecting drain field located in the waste rock dump. The septic tank has been sealed by a qualified individual to prevent further caving of the shaft.

On April 25, 2012, DEQ AMLB staff conducted an initial site visit and determined that the open mine subsidence appeared to be a historic shaft. The shaft measures 15 feet by 18 feet and is in excess of 100 feet deep. Historic research confirmed that a shaft was located within the proximity of the open mine subsidence (**Figure 1**). Although the shaft is located on private property, a City of Helena trailhead (Far East Trail) is located approximately 567 feet northwest of the shaft (**Figure 2**). The City of Helena trails are used year-round by recreationalist including hikers, bikers, and runners.

Historic research showed that the shaft was located on the Humboldt Lode claim (Mineral Survey No. 2300). The Humboldt lode claim was located in 1881 and was mined for lead, silver, and gold until around 1920. According to the 1888 Mineral Survey Plat for the Humboldt Lode, four primary features were associated with the mine (**Figure 1**). These included the discovery shaft, Shaft No. 2, Shaft No. 3, and an adit connecting Shaft No. 2 and 3 at the 150 foot level. The feature of concern was determine to be Shaft No. 3, which according to the historic record is 300 feet deep and slopes to an angle of about 80degrees to the west/southwest. At present, little evidence remains of the discovery shaft, adit, and Shaft No. 2.

Given the proximity of the open shaft to a public trailhead used year-round by many types of recreationalists, DEQ AMLB plans to reclaim the shaft in summer 2012 and eliminate this potential public safety hazard. DEQ AMLB has contracted with a local engineering company to assist with reclamation design, construction bid document preparation, and construction oversight.

SECTION 1.1 RECLAMATION ACTIONS

The Humboldt Mine Shaft Reclamation Project will consist of the following:

- Constructing a temporary access road to the shaft
- Backfilling the open shaft with approximately 500 cubic yards (cy) of imported pitrun material to a depth of approximately 15 feet below the shaft collar
- Installing a 15 to 20 cy PUF (expandable foam) plug
- Placing 30 cy of no-shrink fill on top of the PUF plug
- Mounding 35 cy of on-site material on top of the no-shrink fill
- Removing and reclaiming the temporary access road
- Reclaiming all disturbed surfaces

| SECTION 2: IMPACTS ON THE PHYSICAL ENVIRONMENT | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HUMBOLDT MINE SHAFT RECLAMATION PROJECT | |
| 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>Local sediments are classified in the Windham-Whitecow-Lap Channery Loam soils complex. Those light brownish gray (10YR6/2) loamy sediments weathered from limestone colluvium. Gravel is common in near-surface sediments. Channery course fragments become increasingly common with depth until bedrock is encountered. Soils proximal to the Humboldt Lode site have been disturbed by past mining activities and recent residential development. It is not anticipated that reclamation activities related to the Humboldt Lode would have any adverse impact to the surrounding soils. Gold, silver, and lead mineralization occurs in limestone bedrock as well as in underlying granite of the Boulder Batholith. Slope stability issues are a concern while working around the hazardous mine opening. Conveyor trucks will be utilized to shoot the back fill material into the shaft from a distance to eliminate any slope stability and safety concerns. The reclamation activities have been designed to minimize any hazardous geologic features related to past mining activities.</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>The domestic well that is located on the property reports that the static water level is 385 feet below ground surface (ft bgs). The depth of the shaft is approximately 175 ft bgs.</p> <p>There are no surface water resources in the area. The closest surface water resource is located over four miles away from the project site.</p> <p>Therefore, reclamation activities will not impact any important groundwater or surface water resources and there is no potential for violation of any ambient water quality standards, drinking water maximum contamination levels, or degradation of water quality.</p> |
| <p>3. AIR QUALITY:</p> <p>Will pollution or particulate be produced? Is the project influenced by air quality regulations or zones</p> | <p>The current ambient air quality in Helena 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 by backfilling and soil mounding activities; however, any dust produced would be localized at the project area and would not be produced in quantities that would affect air quality.</p> |

SECTION 2: IMPACTS ON THE PHYSICAL ENVIRONMENT

HUMBOLDT MINE SHAFT RECLAMATION PROJECT

| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
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| (Class I airshed)? | |
| <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 located in the hills south of Helena, MT in a residential area that consists of five (5) plus acre size lots. The property consists of native grasses and trees. Some vegetation will be impacted during construction of the temporary access road and by movement of construction equipment, but it is not anticipated that there will be significant impacts to vegetative communities. After construction is complete, all disturbed areas will be reseeded with an appropriate seed mix for the area.</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 project area.</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 six (6) species of concern (Clark’s nutcracker, Brewer’s sparrow, Cassin’s finch, hoary bat, and wolverine) have been recorded within a one (1) mile buffer of the project site. No threatened and endangered species have been recorded within a one (1) mile buffer of the project site.</p> <p>The project area is located in the hills south of Helena, MT in a residential area that consists of five (5) plus acre size lots.. The property consists of native grasses and trees. The area is used by wildlife and birds consistent with a mountain environment. Given that project area is inhabited seasonally, construction activities will create minimal disturbance, and that construction activities are estimated to be completed within a two (2) week timeframe, DEQ AMLB concluded that the proposed project is not likely to have any adverse effect on any of the above listed species of concern. DEQ AMLB consulted with United States Fish and Wildlife Service (USFWS) on threatened and endangered species at the site. USFWS concurred with DEQ AMLB’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 six (6) species of concern (Clark’s nutcracker, Brewer’s sparrow, Cassin’s finch, hoary bat, and wolverine) have been recorded within a one (1) mile buffer of the project site. No threatened and endangered species have been recorded within a one (1) mile buffer of the project site.</p> <p>The project area is located in the hills south of Helena, MT in a residential area that consists of five (5) plus acre size lots.. The property consists of native grasses and trees. No wetlands are present. The area is used by wildlife and birds consistent with a mountain environment. Given that project area is inhabited seasonally, construction activities will create minimal disturbance, and that construction activities are estimated to be completed within a two (2) week timeframe, DEQ AMLB concluded that the proposed project is not likely to have any adverse effect on any of the above listed species of concern. DEQ AMLB consulted with United States Fish and Wildlife Service (USFWS) on threatened and endangered species at the site. USFWS concurred with DEQ AMLB’s findings (Attachment 2).</p> |

SECTION 2: IMPACTS ON THE PHYSICAL ENVIRONMENT

HUMBOLDT MINE SHAFT RECLAMATION PROJECT

| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
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| <p>7. HISTORICAL AND ARCHEOLOGICAL SITES:</p> <p>Are any historical, archeological or paleontological resources present?</p> | <p>A cultural resource inventory performed by Renewable Technologies, Inc. (RTI) determined that “The Humboldt Lode mine has lost key elements of its integrity and the property lacks significance. DEQ AMLB consulted with the State Historic Preservation Office (SHPO). SHPO concurred that the site is not eligible for listing in the National Register of Historic Places due to its diminished integrity and lack of local, state, or national significance (Attachment 3). Therefore, there are no historical, archeological, or paleontological resources present.</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 located in the hills south of Helena, MT in a residential area that consists of five (5) plus acre size lots. The project area is not located on any prominent topographic feature. Since the project area is located within the proximity of other residential houses, construction activities may be visible from these residences for the short duration of the project (~ 2 weeks). It will not be visible from any scenic areas.</p> <p>It is anticipated that there will be some noise associated haul trucks, general construction equipment, and dumping backfill material; however, such noise will only take place for approximately two (2) weeks 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 project include transportation and placement of backfill material to the project site, construction of a temporary access road, transportation and placement of the PUF plug material, transportation and placement of the no-shrink fill, and mounding of on-site material on top of the no-shrink fill. 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

HUMBOLDT MINE SHAFT RECLAMATION PROJECT

| 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>During 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. The project will eliminate a potential public safety hazard.</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 located in the hills south of Helena, MT in a residential area that consists of five (5) plus acre size lots. 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>For the short duration of the project (~ 2 weeks), additional truck traffic will be added to existing roads. Added traffic may include mobilization of construction equipment to and from the project area; delivery of fill material, PUF material, and no-shrink fill material, and trucks belonging to project personnel. It is estimated that approximately 50 truckloads of fill material will be delivered to the site. 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 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 located in the hills south of Helena, MT in a residential area that consists of five (5) plus acre size lots. There is no wilderness area nearby or accessed through the project area. Although the project is located on public property, there is a City of Helena trailhead located approximately 570 feet northwest of the project area. There is potential for recreationalist to off trail onto the private property where the open shaft is located. Reclamation will eliminate this potential public safety hazard. A sign will be posted at the trailhead notifying the public about the project and</p> |

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HUMBOLDT MINE SHAFT RECLAMATION PROJECT

| RESOURCE | [Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES |
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| | construction equipment in the area. |
| <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 truck traffic and equipment operation but such disruptions will be short term (~2 weeks) 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 AMLB, their agents, and/or contractors permission to access the property. At the completion of the projects, all disturbed areas will be reclaimed. 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>AMLB 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> |
| <p>13. PUBLIC PARTICIPATION</p> <p>Will the public be given an opportunity to participate in comments and the design process?</p> | <p>Yes, this EA will be available for review and public comment on the DEQ AMLB website http://deq.mt.gov/AbandonedMines/CurrentProjects.mcp and at the Lewis and Clark County library for 30 days. In addition, a sign notifying the public about this EA and the project will be posted at the City of Helena Far East Trail trailhead located to the northwest of the project area (Figure 2). Flyers detailing specifics of the project will also be distributed by DEQ AMLB staff to all residences in proximity to the project area (Attachment 5).</p> |

A. PERSONS, ORGANIZATIONS AND AGENCIES CONTACTED

Renewable Technologies, Incorporated
8 W. Park St., Suite 313
Butte, MT 59701

Kathryn Sears
State Historic Preservation Office
1410 8th Avenue
PO Box 201202
Helena, MT 59620

Martin P. Miller
Montana Natural Heritage Program
1515 East Sixth Avenue
P.O. Box 201601
Helena, MT. 59620

R. Mark Wilson
Field Supervisor
Montana Field Office
USFWS Ecological Services
100 N. Park, Suite 320
Helena, MT. 59601

B. PREPARERS AND REVIEWERS

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

Pebbles Clark, Project Manager
Date:

Reviewed by:

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

John Koerth, Bureau Chief
Date:

FIGURES



FIGURE 1



Legend

 Owner Parcel Boundary

April 1978 Survey

10N 3W

CERTIFICATE OF SURVEY
FOR: THE DIEHL COMPANY
PURPOSE: RETRACEMENT SURVEY

LEGAL DESCRIPTION

A tract of land in that portion of the NW1/4 of Section 4 and NE1/4 of Section 5, Township 9 North, Range 3 West, Range 3 West, Lewis and Clark County, Montana, more particularly described as follows: Beginning at the section corner for Sections 4, 5, 32 and 33; thence S 71°35'39" W, 427.40 feet to corner No. 4 of M.S. No. 2300 and the true point of beginning;
 Thence S 44°10' E, 1209.51 feet going through corner Nos 1 and 2 of M.S. No. 2984 to corner No. 7 of M.S. No. 5493;
 Thence S 44°31' E, 280.24 feet to corner No. 1 of M.S. No. 2300 which is common to corner No. 6 of M.S. No. 5493;
 Thence S 45°49' W, 170.5 feet along M.S. No. 5493 and through corner No. 5 of M.S. No. 5493 and to the Lewis and Clark and Jefferson County line;
 Thence N 89°54' W, 502.5 feet along county line and to the North one-sixteenth corner;
 Thence S 89°38'31" W, 93.0 feet along county line and to the intersection of a line on the southwest side of M.S. No. 2300;
 Thence N 44°12'19" W, 1076.9 feet along southwest side of M.S. No. 2300 to corner No. 3 of M.S. 2300;
 Thence N 46°03' E, 596.43 feet along northwest side of M.S. No. 2300 to the true point of beginning.
 The tract of land contains 18.36 acres more or less in Lewis and Clark County.

BASE OF BEARING: B.L.M. 1949 Resurvey.

State of Montana
 County of Lewis & Clark
 I, Stephen I. Ries, Helena, Montana, do solemnly swear that I have the resurvey of the Mineral Survey No. 2300 of the NW1/4 of Section 4 and NE1/4 of Section 5, Township 9 North, Range 3 West, Lewis and Clark and Jefferson Counties, Montana, and that the date of survey was April 12, 1978.

Registration No. 4125 S.
 Helena, Montana



M.S. No. 2300
 18.36 Acres ±
 LEWIS & CLARK COUNTY

9N 3W

WasteRockDump
 Humboldt Shaft Subsidence
 Trailer

M.S. No. 5493

North 1/16 COR.
 County Line N 89°54'W - 502.5'

| 1/4 | Sec. | T. | R. |
|-----|------|----|----|
| X | 4 | 9N | 3W |
| X | 5 | 9N | 3W |
| | | | |
| | | | |

Certificate of Survey
 Number _____

Date: April 12, 1978

Legend

- Features

Trails

NAME

- FAR EAST TRAIL
- FAR EAST TRAIL 2
- FAR EAST TRAIL 3
- Owner Parcel Boundary

LEGEND
 Set iron pins with yellow caps and some with signs.
 Found iron pins or stone monuments.

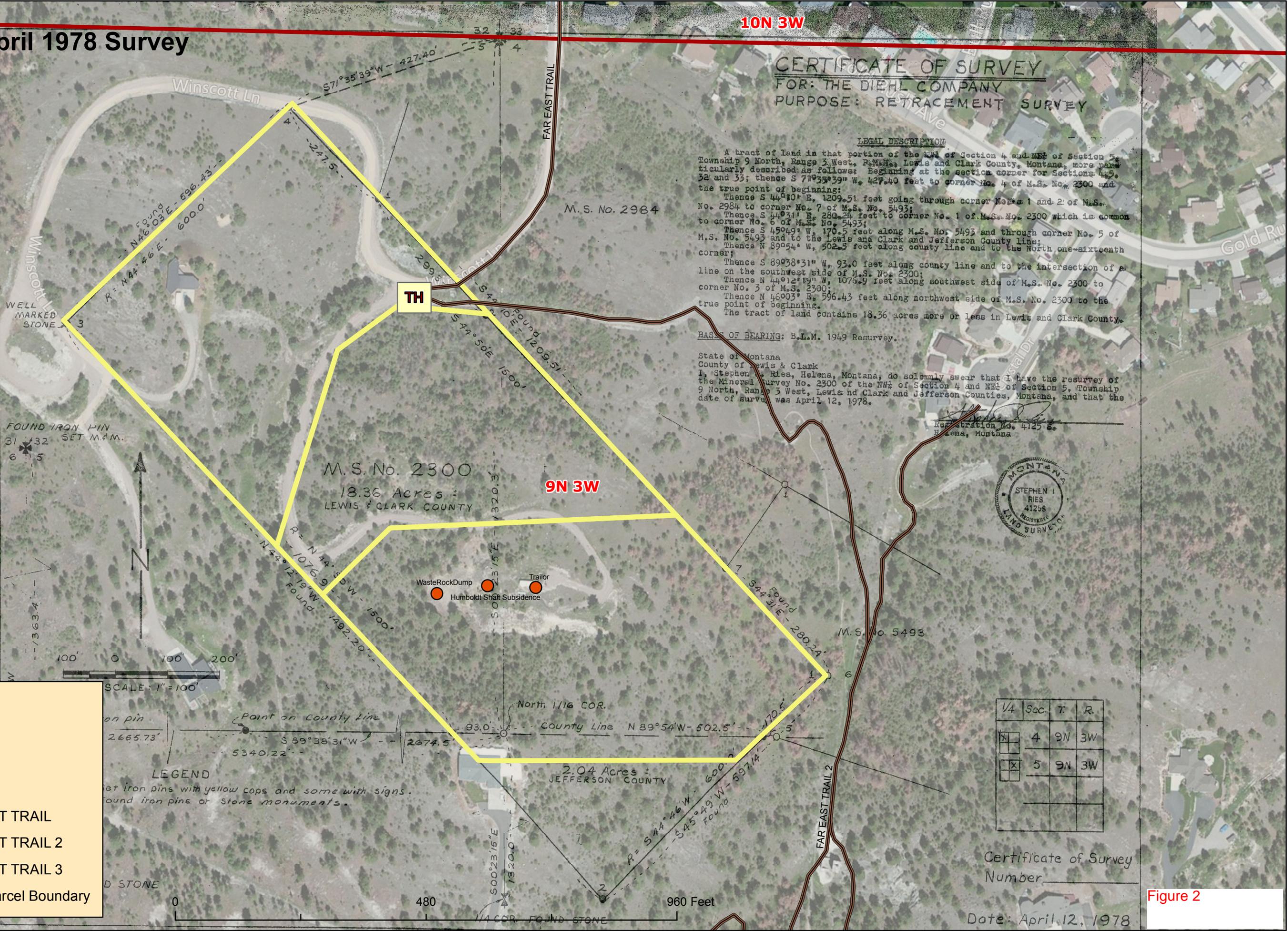


Figure 2

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>

May 9, 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 Humboldt Mine project, located at latitude 46 34.192 N, longitude 111 59.943 W. For purposes of the query, I used Sections 4 and 5, T09N, R03W. I checked our databases for information in this general area and have enclosed 16 species occurrence reports for 7 Species of Concern and a map depicting Species of Concern 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 sections 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:
Wednesday, May 9, 2012

Nucifraga columbiana

[View Species Info in MT Field Guide](#)

Common Name: Clark's Nutcracker

General Habitat: Conifer forest

Description: Vertebrate Animal

Mapping Delineation:

Observations with evidence of breeding activity buffered by a minimum distance of 1,000 meters in order to be conservative about encompassing the spring/summer breeding territories of family groups 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:

Federal Agency Status:

State: S3

U.S. Fish & Wildlife Service:

Global: G5

U.S. Forest Service:

FWP CFWCS Tier: 3

U.S. Bureau of Land Management:

MT PIF Code: 3

Species Occurrences

| | | | |
|--------------------------------------|---------------|-------------------|--------|
| Species Occurrence Map Label: | 285040 | SO Number: | 69 |
| First Observation Date: | 2000-05-15 | Acreage: | 31,636 |
| Last Observation Date: | 2001-05-14 | SO Rank: | |

Spizella breweri

[View Species Info 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:

Federal Agency Status:

State: S3B

U.S. Fish & Wildlife Service:

Global: G5

U.S. Forest Service:

FWP CFWCS Tier: 2

U.S. Bureau of Land Management: SENSITIVE

MT PIF Code: 2

Species Occurrences

| | | | |
|--------------------------------------|---------------|-------------------|--------|
| Species Occurrence Map Label: | 207930 | SO Number: | 60,049 |
| First Observation Date: | 2001-06-01 | Acreage: | 27,805 |
| Last Observation Date: | 2001-06-30 | SO Rank: | |



Species of Concern Data Report

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

Report Date:
Wednesday, May 9, 2012

Carpodacus cassinii

[View Species Info 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 Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

Federal Agency Status:

State: S3

U.S. Fish & Wildlife Service:

Global: G5

U.S. Forest Service:

FWP CFWCS Tier: 3

U.S. Bureau of Land Management:

MT PIF Code: 3

Species Occurrences

| | | | |
|-------------------------------|------------|------------|--------|
| Species Occurrence Map Label: | 291438 | SO Number: | 21 |
| First Observation Date: | 1993-06-22 | Acreage: | 32,632 |
| Last Observation Date: | 1993-06-22 | SO Rank: | |

| | | | |
|-------------------------------|------------|------------|--------|
| Species Occurrence Map Label: | 291456 | SO Number: | 23 |
| First Observation Date: | 1993-05-15 | Acreage: | 27,805 |
| Last Observation Date: | 1993-05-15 | SO Rank: | |

Lasiurus cinereus

[View Species Info 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:

Federal Agency Status:

State: S3

U.S. Fish & Wildlife Service:

Global: G5

U.S. Forest Service:

FWP CFWCS Tier: 2

U.S. Bureau of Land Management:

MT PIF Code:



Species of Concern Data Report

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

Report Date:
Wednesday, May 9, 2012

Species Occurrences

| | | | |
|-------------------------------|---------------|------------|-------|
| Species Occurrence Map Label: | 301156 | SO Number: | 4,991 |
| First Observation Date: | 1961-09-17 | Acreage: | 9,461 |
| Last Observation Date: | 1961-09-17 | SO Rank: | |

| | | | |
|-------------------------------|---------------|------------|---------|
| Species Occurrence Map Label: | 301158 | SO Number: | 582,386 |
| First Observation Date: | 2007-08-07 | Acreage: | 9,461 |
| Last Observation Date: | 2007-08-07 | SO Rank: | |

Gulo gulo [View Species Info 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:

Federal Agency Status:

[State:](#) S3
[Global:](#) G4

[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: | 158017 | SO Number: | 7 |
| First Observation Date: | 1958 | Acreage: | 1,212,901 |
| Last Observation Date: | 2007 | SO Rank: | |

Atriplex truncata [View Species Info in MT Field Guide](#)

Common Name: Wedge-leaved Saltbush **General Habitat:** Wetland/Riparian

Description: Vascular Plant

Mapping Delineation:

Individual occurrences are generally based upon a discretely mapped area provided by an observer and are not separated by any pre-defined distance. Individual clusters of plants mapped at fine spatial scales (separated by less than approximately 25-50 meters) may be grouped together into one occurrence if they are not separated by distinct areas of habitat or terrain features. Point observations are buffered to encompass any locational uncertainty associated with the observation.



Species of Concern Data Report

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

Report Date:
Wednesday, May 9, 2012

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S2
Global: G5

[FWP CFWCS Tier:](#)

[MT PIF Code:](#)

Federal Agency Status:

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

Species Occurrences

| | | | |
|-------------------------------|---------------------|------------|--------|
| Species Occurrence Map Label: | 15699 | SO Number: | 3 |
| First Observation Date: | Sep 1 1899 12:00AM | Acreage: | 49,683 |
| Last Observation Date: | Sep 30 1899 12:00AM | SO Rank: | H |

Astragalus convallarius

[View Species Info in MT Field Guide](#)

Common Name: Lesser Rushy Milkvetch **General Habitat:** Grasslands (Intermountain)
Description: Vascular Plant

Mapping Delineation:

Individual occurrences are generally based upon a discretely mapped area provided by an observer and are not separated by any pre-defined distance. Individual clusters of plants mapped at fine spatial scales (separated by less than approximately 25-50 meters) may be grouped together into one occurrence if they are not separated by distinct areas of habitat or terrain features. Point observations are buffered to encompass any locational uncertainty associated with the observation.

Species Status

[Click Status for Explanations](#)

Natural Heritage Ranks:

State: S3
Global: G5

[FWP CFWCS Tier:](#)

[MT PIF Code:](#)

Federal Agency Status:

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

Species Occurrences

| | | | |
|-------------------------------|---------------------|------------|----|
| Species Occurrence Map Label: | 122043 | SO Number: | 57 |
| First Observation Date: | Jun 30 2011 12:00AM | Acreage: | 0 |
| Last Observation Date: | Jun 30 2011 12:00AM | SO Rank: | |

| | | | |
|-------------------------------|---------------------|------------|----|
| Species Occurrence Map Label: | 18022 | SO Number: | 48 |
| First Observation Date: | Jun 20 1992 12:00AM | Acreage: | 2 |
| Last Observation Date: | Jun 20 1992 12:00AM | SO Rank: | A |

| | | | |
|-------------------------------|---------------------|------------|----|
| Species Occurrence Map Label: | 18023 | SO Number: | 49 |
| First Observation Date: | Jun 20 1992 12:00AM | Acreage: | 1 |
| Last Observation Date: | Jun 20 1992 12:00AM | SO Rank: | A |



Species of Concern Data Report

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

Report Date:
Wednesday, May 9, 2012

Species Occurrences

Species Occurrence Map Label: **18024** SO Number: 50
First Observation Date: Jun 20 1992 12:00AM Acreage: 3
Last Observation Date: Jun 20 1992 12:00AM SO Rank: A

Species Occurrence Map Label: **18025** SO Number: 51
First Observation Date: Jun 20 1992 12:00AM Acreage: 6
Last Observation Date: Jun 20 1992 12:00AM SO Rank: A

Species Occurrence Map Label: **18026** SO Number: 52
First Observation Date: Jun 20 1992 12:00AM Acreage: 1
Last Observation Date: Jun 20 1992 12:00AM SO Rank: A

Species Occurrence Map Label: **122041** SO Number: 55
First Observation Date: Jul 6 2011 12:00AM Acreage: 23
Last Observation Date: Jul 6 2011 12:00AM SO Rank:

Species Occurrence Map Label: **122042** SO Number: 56
First Observation Date: Jul 8 2011 12:00AM Acreage: 28
Last Observation Date: Jul 8 2011 12:00AM SO Rank:

Montana Species of Concern Humboldt Mine

SPECIES OF CONCERN: A polygon feature representing only what is known from direct observation with a defined level of certainty regarding the spatial location of the feature.

NonVascular Plants

NonVascular Plants

Vascular Plants

Vascular Plants

Invertebrates

Invertebrates

Amphibians

Amphibians

Fish

Fish

Reptiles

Reptiles

Birds

Birds

Mammals

Mammals

Sites

Sites

Wetland and Riparian Classes

Lacustrine

Freshwater Pond

Freshwater Emergent Wetland

Freshwater Shrub Wetland

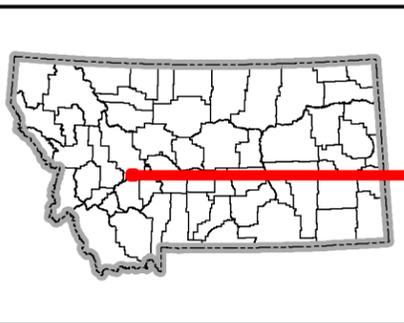
Freshwater Forested Wetland

Riverine

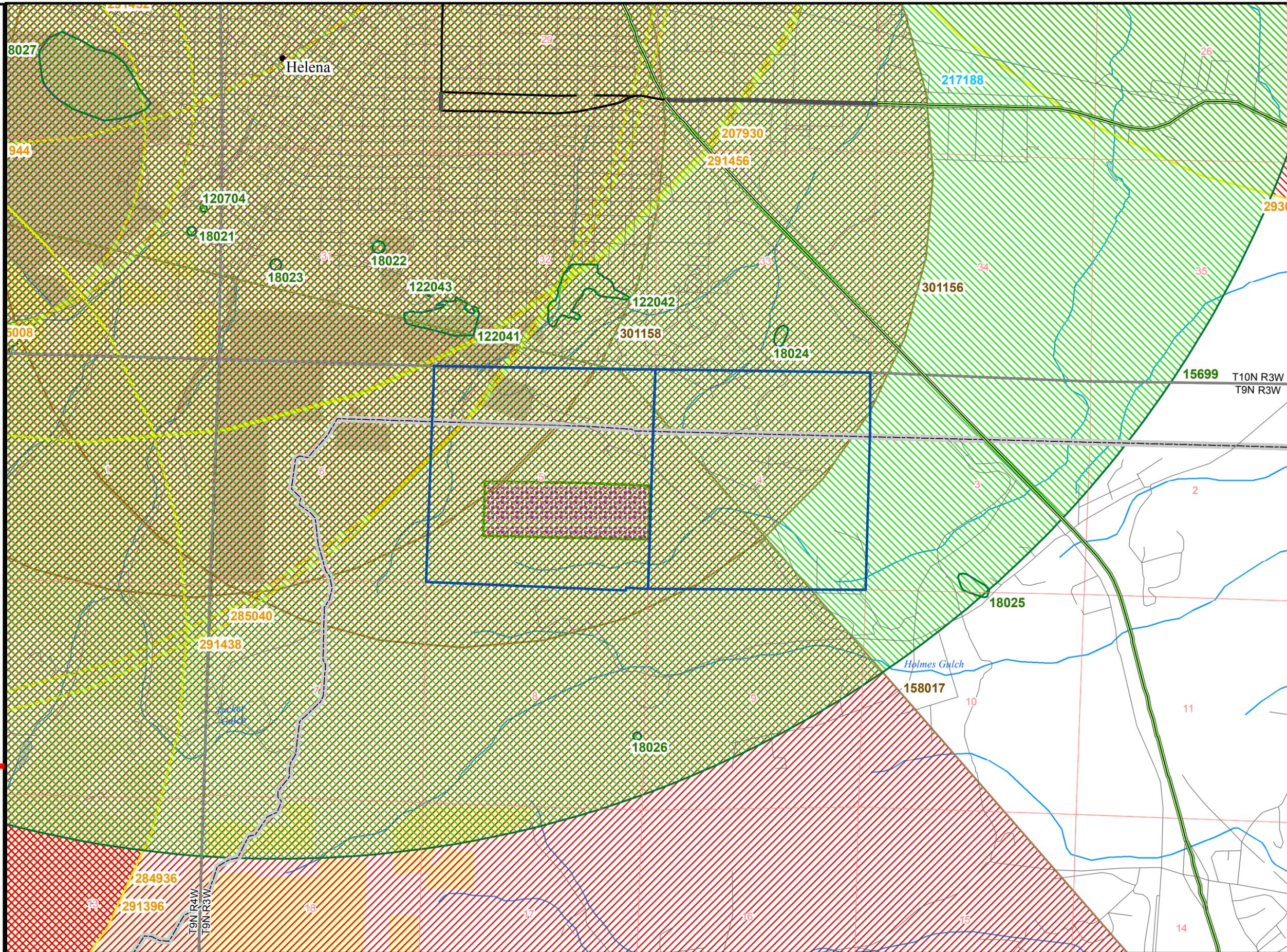
Riparian Emergent

Riparian Shrub

Riparian Forested



Not all legend items may occur on the map.
Features shown on this map do not imply public access to any lands.
This map displays management status, which may vary from ownership.



Natural Resource Information System, Montana State Library
1515 East Sixth Ave., Helena, MT 59620-1800

406 444-5354 <http://mtnhp.org> mtnhp@mt.gov

Map Document: K:\REQUESTS\Requests\12\MT\12mt0029\12mt0029.mxd (5/9/2012)

Miles

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
PHONE (406) 449-5225, FAX (406) 449-5339

M.38-DEQ(I)

June 22, 2012

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

Dear Ms. Clark:

I am responding to your May 10, 2012 request for U.S. Fish and Wildlife Service (Service) concurrence with the Montana Department of Environmental Quality (DEQ) effects determinations regarding the proposed Humboldt Mine Shaft Subsidence Abandoned Mine Reclamation Project. This response is authorized under the Endangered Species Act of 1973 (ESA), as amended (16 U.S.C. 1531 *et. seq.*).

The DEQ, as authorized by the USDOJ Office of Surface Mining Reclamation and Enforcement (OSMRE), proposes an Abandoned Mine Lands (AML) reclamation project to address a subsidence-related mine opening that has developed recently on private property in association with the historic Humboldt Mine Shaft in southeast Helena, Lewis and Clark County. The DEQ anticipates backfilling the 175-foot-deep shaft or installing a foam/concrete plug with backfill on top.

The Service has reviewed the project area description and photos as well as the supporting information from the Montana Natural Heritage program (MTNHP). We concur with the DEQ's determination that the proposed activity is not likely to adversely affect any federally listed threatened or endangered species or designated critical habitats. Additionally, we do not anticipate adverse effects to the candidate Sprague's pipit (*Anthus spragueii*), North American wolverine (*Gulo gulo luscus*), or whitebark pine (*Pinus albicaulis*) in conjunction with project implementation.

This concludes informal consultation on this proposed AML project pursuant to regulations in 50 CFR 402.13 implementing the ESA, as amended. This action should be re-analyzed if new information reveals effects that may affect threatened, endangered or proposed species, or if the project is modified in a manner that causes an effect not considered in this consultation.

Thank you for the opportunity to review the proposal and provide comments. If you require further information, please contact Jim Zelenak in this office (406) 449-5225, ext. 220, or at the letterhead address.

Sincerely,



R. Mark Wilson
Field Supervisor

cc: OSMRE, Casper, WY (Attn: Jeff Fleischman)

ATTACHMENT 3

SHPO Consultation

Big Sky. Big Land. Big History.
Montana
Historical Society

*Historic Preservation
Museum
Outreach & Interpretation
Publications
Research Center*

June 28, 2012

J. Stephen Opp, PG
Reclamation Specialist
MDEQ – Abandoned Mine Lands Bureau
P. O. Box 200901
Helena, Montana 59620 – 0901

RE: **National Register Evaluation for the Humboldt Lode (24LC0543)**

Dear Mr. Opp:

Thank you for your letter (received June 26, 2012) and attached Cultural Resource Investigation and Evaluation for the Humboldt Lode mine (24LC0543) in Lewis and Clark County. I thoroughly enjoyed learning more about the development of the Humboldt Lode mining claim and would like to forward my appreciation to the author of the report.

Based on the report, we agree that 24LC0543 is **not eligible for listing in the National Register of Historic Places** due to its diminished integrity and lack of local, state or national significance.

If you have any questions, or would like to discuss a different project, please do not hesitate to contact me at (406) 444 – 0388 or ksears@mt.gov. Thank you for your continued support of the preservation of Montana's rich and unique cultural heritage.

All the best,



Kathryn Sears
Review and Compliance Officer
Montana State Historic Preservation Office

RECEIVED

JUN 29 2012

Dept. of Environmental Quality
Remediation Division

File: DEQ/AMR – 2012 - 2012062603

225 North Roberts Street
P.O. Box 201201
Helena, MT 59620-1201
(406) 444-2694
(406) 444-2696 FAX
montanahistoricalsociety.org

ATTACHMENT 4

Environmental Justice Documentation

ENVIRONMENTAL JUSTICE CHECKLIST
for
NEPA COMPLIANCE DOCUMENTS

Project Name: Humboldt Mine Shaft Reclamation Project, Lewis and Clark County, Montana

The State of Montana Abandoned Mine Lands Bureau (AMLB) identifies and addresses any disproportionately high and adverse human health or environmental effects of its programs, policies and projects on minorities and low-income populations and communities. For the above-named project, the AMLB has determined as follows:

I. Identification

The AMB has anticipated the effects and impacts of this mine reclamation project on the following populations and communities:

- (1) minorities
- (2) low-income

Process description and conclusions:

X Located this AMLB project on state map of counties, **Attachment 1**.

Project is located in Carbon County, Montana

X Checked the following census tables for the above-named county.

X 1. minority populations data, **Attachment 2**

X 2. poverty status data, **Attachment 3**

X Checked state census table data for (1) and (2) populations, **Attachment 4 and 5**.

X Compared the distribution of (1) and (2) populations with the state distributions.

II. Analysis and Evaluation

Does the project confer a benefit or a risk?

X Benefit. Move to III (below)

If the environmental consequences to (1) or (2) of the proposed project are insignificant or there is no impact, direct or indirect, move to III below.

 Risk.

What is the risk? _____

Is the risk significant? _____

If NO, move to III below.

If YES, determine the equity of the distribution of any risk.

No Is there a disproportionate impact on (1) or (2)?

If NO, move to III below.

If YES,

When significant and disproportionate impacts to minority and low-income populations and communities are identified, clearly evaluate the impacts and state the environmental consequences of the proposed project as follows:

(a) Site's priority on the MWCB ranking is

(b) Analyze whether this project should go forward in light of its disproportionate impact in comparison to its priority ranking. Give conclusions with reasons.

III. Opportunity for Meaningful Participation

Were (1) and (2) populations given an opportunity to participate in project design process?

YES

How was this accomplished?

An Environmental Assessment (EA) document is being prepared and will be posted on the DEQ AMLB website for 30 days . <http://deq.mt.gov/AbandonedMines/CurrentProjects.mcp> . A hard copy will also be available for public review at the Lewis and Clark County Library for 30 days. A flyer notifying the public about the EA and the project will be posted at the City of Helena Far East Trail trailhead located to the northwest of the project area. In addition, flyers will also be distributed by DEQ AMLB staff to all residences within the project area.

NO

Explain why not.

IV. Conclusion

The proposed abandoned mine reclamation project

is
 is not

in compliance with the environmental justice policy of the United States Department of Interior, as stated in Secretary Bruce Babbitt's August 17, 1994 directive memorandum for the reasons detailed above.

Date: June 25, 2012

by Pebbles Clark

Project Manager: Pebbles Clark

ENVIRONMENTAL JUSTICE CHECKLIST
Humboldt Mine Shaft Reclamation Project
Lewis and Clark County, Montana
June 25, 2012
Page 4 of 4

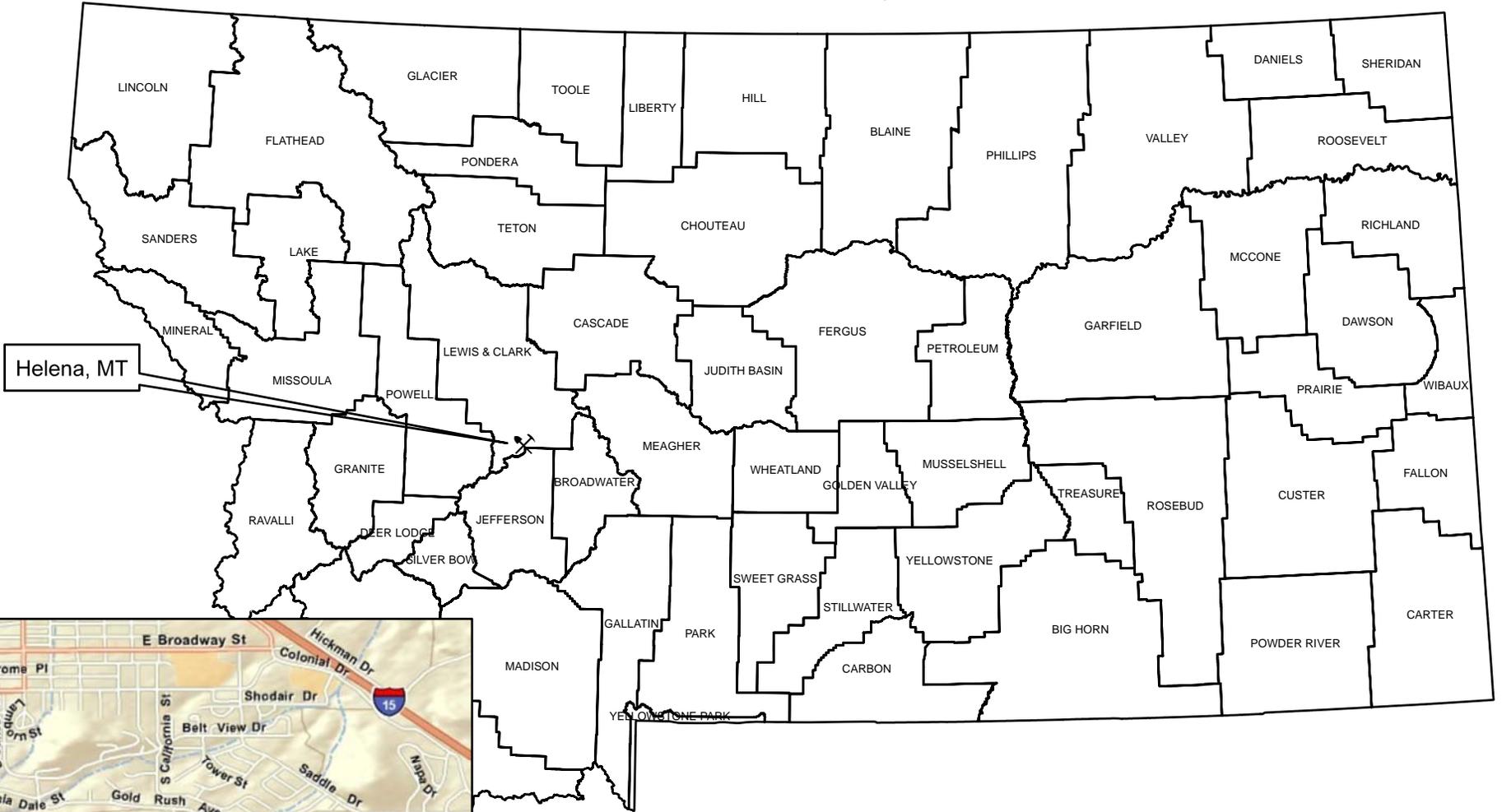
Enclosures

Project Name: Humboldt Mine Shaft Reclamation Project

The DEQ AMLB has prioritized the above 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.

For the above-named project, as it does for each of its projects, DEQ AMLB provided the public with full opportunity for meaningful participation by minority and low-income populations through a public participation and comment process. In addition, project reports are available for public inspection at all times.

Humboldt Mine
1209 Winscott Lane
Helena, Lewis & Clark County, Montana



Humboldt Mine
1209 Winscott Lane
Helena, MT 59601





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: Lewis and Clark County, Montana

| Subject | Number | Percent |
|--------------------|--------|---------|
| SEX AND AGE | | |
| Total population | 63,395 | 100.0 |
| Under 5 years | 3,948 | 6.2 |
| 5 to 9 years | 3,990 | 6.3 |
| 10 to 14 years | 4,010 | 6.3 |
| 15 to 19 years | 4,134 | 6.5 |
| 20 to 24 years | 3,847 | 6.1 |
| 25 to 29 years | 3,863 | 6.1 |
| 30 to 34 years | 3,697 | 5.8 |
| 35 to 39 years | 3,537 | 5.6 |
| 40 to 44 years | 3,881 | 6.1 |
| 45 to 49 years | 4,902 | 7.7 |
| 50 to 54 years | 5,278 | 8.3 |
| 55 to 59 years | 5,246 | 8.3 |
| 60 to 64 years | 4,305 | 6.8 |
| 65 to 69 years | 2,983 | 4.7 |
| 70 to 74 years | 1,960 | 3.1 |
| 75 to 79 years | 1,402 | 2.2 |
| 80 to 84 years | 1,145 | 1.8 |
| 85 years and over | 1,267 | 2.0 |
| Median age (years) | 40.9 | (X) |
| 16 years and over | 50,636 | 79.9 |
| 18 years and over | 49,019 | 77.3 |
| 21 years and over | 46,480 | 73.3 |
| 62 years and over | 11,106 | 17.5 |
| 65 years and over | 8,757 | 13.8 |
| Male population | 31,300 | 49.4 |
| Under 5 years | 2,025 | 3.2 |
| 5 to 9 years | 2,051 | 3.2 |
| 10 to 14 years | 2,101 | 3.3 |
| 15 to 19 years | 2,089 | 3.3 |
| 20 to 24 years | 1,909 | 3.0 |
| 25 to 29 years | 1,962 | 3.1 |
| 30 to 34 years | 1,848 | 2.9 |
| 35 to 39 years | 1,740 | 2.7 |
| 40 to 44 years | 1,897 | 3.0 |
| 45 to 49 years | 2,395 | 3.8 |
| 50 to 54 years | 2,502 | 3.9 |
| 55 to 59 years | 2,585 | 4.1 |
| 60 to 64 years | 2,209 | 3.5 |
| 65 to 69 years | 1,513 | 2.4 |
| 70 to 74 years | 962 | 1.5 |
| 75 to 79 years | 624 | 1.0 |
| 80 to 84 years | 464 | 0.7 |
| 85 years and over | 424 | 0.7 |

| Subject | Number | Percent |
|----------------------------------------------------------------|--------|---------|
| Median age (years) | 39.8 | (X) |
| 16 years and over | 24,699 | 39.0 |
| 18 years and over | 23,894 | 37.7 |
| 21 years and over | 22,630 | 35.7 |
| 62 years and over | 5,191 | 8.2 |
| 65 years and over | 3,987 | 6.3 |
| Female population | 32,095 | 50.6 |
| Under 5 years | 1,923 | 3.0 |
| 5 to 9 years | 1,939 | 3.1 |
| 10 to 14 years | 1,909 | 3.0 |
| 15 to 19 years | 2,045 | 3.2 |
| 20 to 24 years | 1,938 | 3.1 |
| 25 to 29 years | 1,901 | 3.0 |
| 30 to 34 years | 1,849 | 2.9 |
| 35 to 39 years | 1,797 | 2.8 |
| 40 to 44 years | 1,984 | 3.1 |
| 45 to 49 years | 2,507 | 4.0 |
| 50 to 54 years | 2,776 | 4.4 |
| 55 to 59 years | 2,661 | 4.2 |
| 60 to 64 years | 2,096 | 3.3 |
| 65 to 69 years | 1,470 | 2.3 |
| 70 to 74 years | 998 | 1.6 |
| 75 to 79 years | 778 | 1.2 |
| 80 to 84 years | 681 | 1.1 |
| 85 years and over | 843 | 1.3 |
| Median age (years) | 41.9 | (X) |
| 16 years and over | 25,937 | 40.9 |
| 18 years and over | 25,125 | 39.6 |
| 21 years and over | 23,850 | 37.6 |
| 62 years and over | 5,915 | 9.3 |
| 65 years and over | 4,770 | 7.5 |
| RACE | | |
| Total population | 63,395 | 100.0 |
| One Race | 61,843 | 97.6 |
| White | 59,605 | 94.0 |
| Black or African American | 217 | 0.3 |
| American Indian and Alaska Native | 1,335 | 2.1 |
| Asian | 354 | 0.6 |
| Asian Indian | 43 | 0.1 |
| Chinese | 68 | 0.1 |
| Filipino | 80 | 0.1 |
| Japanese | 45 | 0.1 |
| Korean | 59 | 0.1 |
| Vietnamese | 12 | 0.0 |
| Other Asian [1] | 47 | 0.1 |
| Native Hawaiian and Other Pacific Islander | 44 | 0.1 |
| Native Hawaiian | 14 | 0.0 |
| Guamanian or Chamorro | 8 | 0.0 |
| Samoan | 8 | 0.0 |
| Other Pacific Islander [2] | 14 | 0.0 |
| Some Other Race | 288 | 0.5 |
| Two or More Races | 1,552 | 2.4 |
| White; American Indian and Alaska Native [3] | 914 | 1.4 |
| White; Asian [3] | 193 | 0.3 |
| White; Black or African American [3] | 166 | 0.3 |
| White; Some Other Race [3] | 127 | 0.2 |
| Race alone or in combination with one or more other races: [4] | | |
| White | 61,098 | 96.4 |
| Black or African American | 424 | 0.7 |
| American Indian and Alaska Native | 2,319 | 3.7 |

| Subject | Number | Percent |
|--------------------------------------------------|--------|---------|
| Asian | 614 | 1.0 |
| Native Hawaiian and Other Pacific Islander | 113 | 0.2 |
| Some Other Race | 458 | 0.7 |
| HISPANIC OR LATINO | | |
| Total population | 63,395 | 100.0 |
| Hispanic or Latino (of any race) | 1,582 | 2.5 |
| Mexican | 1,031 | 1.6 |
| Puerto Rican | 68 | 0.1 |
| Cuban | 38 | 0.1 |
| Other Hispanic or Latino [5] | 445 | 0.7 |
| Not Hispanic or Latino | 61,813 | 97.5 |
| HISPANIC OR LATINO AND RACE | | |
| Total population | 63,395 | 100.0 |
| Hispanic or Latino | 1,582 | 2.5 |
| White alone | 1,006 | 1.6 |
| Black or African American alone | 14 | 0.0 |
| American Indian and Alaska Native alone | 76 | 0.1 |
| Asian alone | 4 | 0.0 |
| Native Hawaiian and Other Pacific Islander alone | 1 | 0.0 |
| Some Other Race alone | 249 | 0.4 |
| Two or More Races | 232 | 0.4 |
| Not Hispanic or Latino | 61,813 | 97.5 |
| White alone | 58,599 | 92.4 |
| Black or African American alone | 203 | 0.3 |
| American Indian and Alaska Native alone | 1,259 | 2.0 |
| Asian alone | 350 | 0.6 |
| Native Hawaiian and Other Pacific Islander alone | 43 | 0.1 |
| Some Other Race alone | 39 | 0.1 |
| Two or More Races | 1,320 | 2.1 |
| RELATIONSHIP | | |
| Total population | 63,395 | 100.0 |
| In households | 61,449 | 96.9 |
| Householder | 26,694 | 42.1 |
| Spouse [6] | 13,076 | 20.6 |
| Child | 16,174 | 25.5 |
| Own child under 18 years | 13,090 | 20.6 |
| Other relatives | 1,992 | 3.1 |
| Under 18 years | 832 | 1.3 |
| 65 years and over | 311 | 0.5 |
| Nonrelatives | 3,513 | 5.5 |
| Under 18 years | 267 | 0.4 |
| 65 years and over | 159 | 0.3 |
| Unmarried partner | 1,633 | 2.6 |
| In group quarters | 1,946 | 3.1 |
| Institutionalized population | 496 | 0.8 |
| Male | 251 | 0.4 |
| Female | 245 | 0.4 |
| Noninstitutionalized population | 1,450 | 2.3 |
| Male | 657 | 1.0 |
| Female | 793 | 1.3 |
| HOUSEHOLDS BY TYPE | | |
| Total households | 26,694 | 100.0 |
| Family households (families) [7] | 16,705 | 62.6 |
| With own children under 18 years | 7,094 | 26.6 |
| Husband-wife family | 13,076 | 49.0 |
| With own children under 18 years | 4,795 | 18.0 |
| Male householder, no wife present | 1,112 | 4.2 |
| With own children under 18 years | 679 | 2.5 |
| Female householder, no husband present | 2,517 | 9.4 |
| With own children under 18 years | 1,620 | 6.1 |

| Subject | Number | Percent |
|-------------------------------------------------|--------|---------|
| Nonfamily households [7] | 9,989 | 37.4 |
| Householder living alone | 8,206 | 30.7 |
| Male | 3,838 | 14.4 |
| 65 years and over | 886 | 3.3 |
| Female | 4,368 | 16.4 |
| 65 years and over | 1,842 | 6.9 |
| Households with individuals under 18 years | 7,680 | 28.8 |
| Households with individuals 65 years and over | 6,300 | 23.6 |
| Average household size | 2.30 | (X) |
| Average family size [7] | 2.87 | (X) |
| HOUSING OCCUPANCY | | |
| Total housing units | 30,180 | 100.0 |
| Occupied housing units | 26,694 | 88.4 |
| Vacant housing units | 3,486 | 11.6 |
| For rent | 370 | 1.2 |
| Rented, not occupied | 38 | 0.1 |
| For sale only | 279 | 0.9 |
| Sold, not occupied | 52 | 0.2 |
| For seasonal, recreational, or occasional use | 2,225 | 7.4 |
| All other vacants | 522 | 1.7 |
| Homeowner vacancy rate (percent) [8] | 1.5 | (X) |
| Rental vacancy rate (percent) [9] | 4.3 | (X) |
| HOUSING TENURE | | |
| Occupied housing units | 26,694 | 100.0 |
| Owner-occupied housing units | 18,477 | 69.2 |
| Population in owner-occupied housing units | 44,594 | (X) |
| Average household size of owner-occupied units | 2.41 | (X) |
| Renter-occupied housing units | 8,217 | 30.8 |
| Population in renter-occupied housing units | 16,855 | (X) |
| Average household size of renter-occupied units | 2.05 | (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.



S1701

POVERTY STATUS IN THE PAST 12 MONTHS

2008-2010 American Community Survey 3-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 2008 to 2009, the Population Estimates Program provides intercensal estimates of the population for the nation, states, and counties.

| Subject | Lewis and Clark County, Montana | | | | |
|--------------------------------------------------|---------------------------------|-----------------|---------------------|-----------------|-----------------------------|
| | Total | | Below poverty level | | Percent below poverty level |
| | Estimate | Margin of Error | Estimate | Margin of Error | Estimate |
| Population for whom poverty status is determined | 60,582 | +/-695 | 5,480 | +/-934 | 9.0% |
| AGE | | | | | |
| Under 18 years | 13,732 | +/-421 | 1,325 | +/-456 | 9.6% |
| Related children under 18 years | 13,679 | +/-426 | 1,292 | +/-441 | 9.4% |
| 18 to 64 years | 38,533 | +/-523 | 3,822 | +/-717 | 9.9% |
| 65 years and over | 8,317 | +/-210 | 333 | +/-150 | 4.0% |
| SEX | | | | | |
| Male | 30,087 | +/-433 | 2,640 | +/-582 | 8.8% |
| Female | 30,495 | +/-495 | 2,840 | +/-521 | 9.3% |
| RACE AND HISPANIC OR LATINO ORIGIN | | | | | |
| One race | N | N | N | N | N |
| White | 57,062 | +/-729 | 4,729 | +/-812 | 8.3% |
| Black or African American | N | N | N | N | N |
| American Indian and Alaska Native | 1,228 | +/-300 | 251 | +/-196 | 20.4% |
| Asian | N | N | N | N | N |
| Native Hawaiian and Other Pacific Islander | N | N | N | N | N |
| Some other race | N | N | N | N | N |
| Two or more races | 1,474 | +/-381 | 439 | +/-261 | 29.8% |
| Hispanic or Latino origin (of any race) | N | N | N | N | N |
| White alone, not Hispanic or Latino | 56,179 | +/-659 | 4,524 | +/-802 | 8.1% |
| EDUCATIONAL ATTAINMENT | | | | | |
| Population 25 years and over | 42,512 | +/-357 | 2,923 | +/-603 | 6.9% |
| Less than high school graduate | 2,312 | +/-561 | 434 | +/-213 | 18.8% |
| High school graduate (includes equivalency) | 11,301 | +/-770 | 1,266 | +/-357 | 11.2% |
| Some college, associate's degree | 13,711 | +/-965 | 897 | +/-246 | 6.5% |
| Bachelor's degree or higher | 15,188 | +/-913 | 326 | +/-186 | 2.1% |
| EMPLOYMENT STATUS | | | | | |
| Civilian labor force 16 years and over | 33,826 | +/-800 | 2,236 | +/-505 | 6.6% |
| Employed | 32,012 | +/-819 | 1,873 | +/-453 | 5.9% |
| Male | 15,796 | +/-591 | 959 | +/-310 | 6.1% |
| Female | 16,216 | +/-496 | 914 | +/-262 | 5.6% |
| Unemployed | 1,814 | +/-348 | 363 | +/-148 | 20.0% |
| Male | 1,151 | +/-306 | 140 | +/-96 | 12.2% |
| Female | 663 | +/-214 | 223 | +/-111 | 33.6% |
| WORK EXPERIENCE | | | | | |

| Subject | Lewis and Clark County, Montana | | | | |
|--------------------------------------------------------------|---------------------------------|-----------------|---------------------|-----------------|-----------------------------|
| | Total | | Below poverty level | | Percent below poverty level |
| | Estimate | Margin of Error | Estimate | Margin of Error | Estimate |
| Population 16 years and over | 48,526 | +/-638 | 4,291 | +/-742 | 8.8% |
| Worked full-time, year-round in the past 12 months | 21,833 | +/-958 | 351 | +/-178 | 1.6% |
| Worked part-time or part-year in the past 12 months | 14,537 | +/-889 | 2,187 | +/-587 | 15.0% |
| Did not work | 12,156 | +/-773 | 1,753 | +/-384 | 14.4% |
| All Individuals below: | | | | | |
| 50 percent of poverty level | 2,660 | +/-832 | (X) | (X) | (X) |
| 125 percent of poverty level | 8,033 | +/-1,047 | (X) | (X) | (X) |
| 150 percent of poverty level | 9,739 | +/-1,128 | (X) | (X) | (X) |
| 185 percent of poverty level | 13,509 | +/-1,433 | (X) | (X) | (X) |
| 200 percent of poverty level | 14,498 | +/-1,359 | (X) | (X) | (X) |
| Unrelated individuals for whom poverty status is determined | 14,136 | +/-1,041 | 2,870 | +/-661 | 20.3% |
| Male | 6,786 | +/-759 | 1,582 | +/-510 | 23.3% |
| Female | 7,350 | +/-639 | 1,288 | +/-348 | 17.5% |
| Mean income deficit for unrelated individuals (dollars) | 5,621 | +/-622 | (X) | (X) | (X) |
| Worked full-time, year-round in the past 12 months | 6,356 | +/-881 | 208 | +/-169 | 3.3% |
| Worked less than full-time, year-round in the past 12 months | 4,070 | +/-665 | 1,709 | +/-529 | 42.0% |
| Did not work | 3,710 | +/-539 | 953 | +/-293 | 25.7% |
| PERCENT IMPUTED | | | | | |
| Poverty status for individuals | 19.7% | (X) | (X) | (X) | (X) |

| Subject | Lewis and Clark County, Montana |
|--------------------------------------------------------------|------------------------------------|
| | Percent below poverty level |
| | Margin of Error |
| Population for whom poverty status is determined | +/-1.5 |
| AGE | |
| Under 18 years | +/-3.3 |
| Related children under 18 years | +/-3.2 |
| 18 to 64 years | +/-1.8 |
| 65 years and over | +/-1.8 |
| SEX | |
| Male | +/-1.9 |
| Female | +/-1.7 |
| RACE AND HISPANIC OR LATINO ORIGIN | |
| One race | N |
| White | +/-1.4 |
| Black or African American | N |
| American Indian and Alaska Native | +/-16.2 |
| Asian | N |
| Native Hawaiian and Other Pacific Islander | N |
| Some other race | N |
| Two or more races | +/-15.7 |
| Hispanic or Latino origin (of any race) | N |
| White alone, not Hispanic or Latino | +/-1.4 |
| EDUCATIONAL ATTAINMENT | |
| Population 25 years and over | +/-1.4 |
| Less than high school graduate | +/-8.0 |
| High school graduate (includes equivalency) | +/-3.1 |
| Some college, associate's degree | +/-1.7 |
| Bachelor's degree or higher | +/-1.2 |
| EMPLOYMENT STATUS | |
| Civilian labor force 16 years and over | +/-1.5 |
| Employed | +/-1.5 |
| Male | +/-2.1 |
| Female | +/-1.6 |
| Unemployed | +/-7.1 |
| Male | +/-7.4 |
| Female | +/-13.1 |
| WORK EXPERIENCE | |
| Population 16 years and over | +/-1.5 |
| Worked full-time, year-round in the past 12 months | +/-0.8 |
| Worked part-time or part-year in the past 12 months | +/-3.6 |
| Did not work | +/-2.8 |
| All Individuals below: | |
| 50 percent of poverty level | (X) |
| 125 percent of poverty level | (X) |
| 150 percent of poverty level | (X) |
| 185 percent of poverty level | (X) |
| 200 percent of poverty level | (X) |
| Unrelated individuals for whom poverty status is determined | +/-4.4 |
| Male | +/-6.7 |
| Female | +/-4.5 |
| Mean income deficit for unrelated individuals (dollars) | (X) |
| Worked full-time, year-round in the past 12 months | +/-2.7 |
| Worked less than full-time, year-round in the past 12 months | +/-9.2 |
| Did not work | +/-6.2 |
| PERCENT IMPUTED | |
| Poverty status for individuals | (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 2008-2010 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, 2008-2010 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.



U.S. Census Bureau

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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.

ATTACHMENT 5

Public Participation Documents

CAUTION

HAZARDOUS MINE FEATURE IN AREA

The Montana Department of Environmental Quality, Abandoned Mine Lands Bureau will be conducting the Humboldt Mine Shaft Reclamation Project that will reclaim a hazardous mine opening in the area.

The public can expect additional truck traffic and heavy construction equipment in the area.

Construction is estimated to take place in late summer/early fall 2012 and last for approximately two (2) weeks.

A copy of the Environmental Assessment (EA) is available for public comment until August 10, 2012.

A copy of the EA is available on the web at:

<http://deq.mt.gov/AbandonedMines/CurrentProjects.mcp>

or

at the Lewis & Clark County Library

FOR PROJECT INFORMATION OR TO SUBMIT COMMENTS CONTACT:

DEPARTMENT OF ENVIRONMENTAL QUALITY

ABANDONED MINE LANDS BUREAU

P.O. BOX 200901

HELENA, MT 59620

EMAIL: SOPP@MT.GOV PH: (406) 841-5030 FX: (406) 841-5024

HUMBOLDT MINE SHAFT RECLAMATION PROJECT

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY
ABANDONED MINE LANDS BUREAU

July 2012

PROJECT LOCATION

The Humboldt Shaft is located at 1209 Winscott Lane, Helena, Montana, Lewis and Clark County. The shaft is associated with the historic Humboldt Lode claim, Mineral Survey No. 2300.

PROJECT DESCRIPTION

In April 2012, the Montana Department of Environmental Quality, Abandoned Mine Lands Bureau (DEQ AMLB) was contacted about a mine shaft that had collapsed and resulted in a hazardous mine opening. The mine opening measures 15 feet by 18 feet and is in excess of 100 feet deep. The mine opening currently has a fence around it for safety. Although the mine opening is located on private property, a City of Helena trailhead (Fare East Trail), that is used year-round by recreationalists, is located approximately 567 feet northwest of the mine opening. To protect public safety, the DEQ AMLB plans to reclaim this mine opening in summer 2012 and eliminate this potential public safety hazard. The shaft is a resultant from historic mining that was conducted in the area in late 1800s and early 1900s.



RECLAMATION CONSTRUCTION

The Humboldt Mine Shaft Reclamation Project will consist of the following work items and is expected to be completed in about 2 weeks.

- Constructing a temporary access road to the shaft
- Backfilling the shaft with imported pitrun material
- Installing an expandable foam plug on top of the backfill material
- Placing no-shrink fill on top of the foam plug
- Mounding on-site soil material on top of the foam plug
- Removing the temporary access road and reclaiming all disturbed surfaces (applying seed and fertilizer)

WHAT CAN YOU EXPECT?

During the project (~2 weeks), local residents can expect an increase in truck traffic due to materials being hauled to the project area, an increase in noise during the day due to heavy equipment operation, and possibly an increase in dust within the project area.

PUBLIC COMMENT

DEQ AMLB is requesting public comment on this project. Comments will be received until **5:00 PM, August 10, 2012**. Please submit written comments to the address or email listed to the right. A copy of the Environmental Assessment (EA) is available at the following DEQ AMLB website:

<http://deq.mt.gov/AbandonedMines/CurrentProjects.mcp>
OR

A hard copy is available at the Lewis and Clark Public Library until **5:00 PM, August 10, 2012**.

**FOR MORE
INFORMATION
OR TO SUBMIT
COMMENTS
CONTACT:**

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MT DEQ, AMLB
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