

June 24, 2004

To: Gil Wood, Karen Blanchard and Larry Brockman

From: Ivan Urlaub

Re: **Summary of Libby, MT using EPA Environmental Justice Assessment Tool**

Background

Following the introduction to the Environmental Justice Assessment (EJA) tool by Chebryll, I used the EJA tool to generate the following information to inform development of a woodstove change-out program for Libby, Montana.

Located on the borders of Idaho and Canada (Figure 1), Libby is the county seat of Lincoln County (3,613 mi²). The county population grew from 1990 to 2000, but has since declined.¹ Attachment A lists elected and appointed government officials related to Libby, Montana.

Figure 1. Location of Libby



Data

Data is presented in six (6) categories: General, Race, Age, Education, Income, and Health. To make sure pockets of minorities and/or individuals in poverty were not excluded, two iterations were run covering: a) Libby city only, and b) Libby city plus surrounding un-incorporated areas (Attachment B).

Results indicate city and area distributions are similar for each of the five data categories, but are generally worse than state and national rates.² For comparative measure, U.S. Census Data for Libby city, Lincoln County, Montana state and the entire U.S. are provided below and in Attachment C.³ Data subcategories are only discussed where data levels strongly contrast.

In 2002, Lincoln County exceeded the PM_{2.5} NAAQS. Lincoln County Primary PM_{2.5} emissions from residential wood combustion (RWC) in 1999 were between .00368 and 0.153 tons/person/year (between 70 and 2,900 tons/year).⁴ PM_{2.5} emissions data from the Air Quality Index should be available later this summer. EPA's online Air Data website⁵ was used to extract "Area and Other" and "On-road" emissions data for Lincoln County, MT. The 1999 NEI measured 1,160 lbs of 7-PAH emissions in Lincoln. Of this total, 1,140 lbs are Area and Other source, and 5.98 lbs are On-road source.

One air monitor is located in downtown Libby, on Minnesota St., and is surrounded by six regulated hazardous waste sites, two Super Fund sites, and one multi-activity site (Figure 3). The EJA tool was used to examine the immediate area (3.5 block radius, 0.16 mi²) around this monitor. Using 2000 Census data, the EJA estimates there are 377 people (15.1 percent in

¹ National Association of Counties. Online, June 2004 at:

http://www.naco.org/Template.cfm?Section=Find_a_County&Template=/cfiles/counties/county.cfm&id=30053

² Health data was the same for both iterations, indicating that CDC data presented in the EJA is aggregated over a much larger geographic area than a city the size of Libby.

³ U.S. Census Bureau, Census 2000, Summary File 1 (SF 1) and Summary File 3 (SF 3)

⁴ Taken from map for Greg Green Briefing presentation, and calculated tons using 2000 county population.

⁵ EPA Air Data, NTI and NEI. Online June 28, 2004 at: <http://www.epa.gov/air/data/geose1.html#ByList>

poverty) living in close proximity to the air monitor in 163 households, of which 8 households receive public assistance and 57 households (34.9 percent) are renter occupied. Figure 2 shows the monitor is 1.2 miles east-southeast of the highest concentration of poverty in the Libby area.

Overview of Libby city, Montana

The six data categories are presented below accompanied by brief discussion of differences between Libby and larger geographic trends.

General Characteristics

About 14 percent of Lincoln County's population lives in Libby. Approximately 25 percent of housing units in Lincoln County are in the Libby area. In Libby city, 4 of every 10 housing units are occupied by renters. Libby city has a very small minority population. Estimates of Libby city's minority population vary widely between a) the EJA tool (5.2 percent) and the Census (3.8 percent), and b) within the Census between Libby city and Montana State (9.4 percent). The percent of people in poverty in the Libby area (18.2 percent) is nearly 50 percent greater than the national average, but less than the Lincoln County poverty rate (19.2 percent).

Table 1. Comparison of General Characteristics⁶

General (%)	EJA		Census 2000			
	City (a)	Area (b)	City	Lincoln Co.	Montana	U.S.
Total persons	2,308	4,591	2,626	18,837	902,195	281,421,906
Area (mi ²)	1.3	48.8	1.3	3,675	147,042	3,794,083
Population density (per mi ²)	1,827	94	2,062	5.2	6.2	79.6
Percent minority	5.2%	6.5%	3.8%	3.9%	9.4%	24.9%*
Persons below poverty level (%) *	365 (15.8)	837 (18.2)	410 (15.6)	19.2%	14.6%	12.4%
Households	994	1,930	1,132	7,764	359,070	105,539,122
Housing units	1,110	2,137	1,264	9,319	412,633	115,904,641
Renter occupied housing units (%)			482 (42.6)			33.8%
Households on public assistance	72	159				
Housing units built before 1970	74.0%	59.0%				
Housing units built before 1950	42.0%	28.0%				

* The U.S. 2000 Census identified a 75.1 percent white population and a 34.9 percent minority population, which included people of Hispanic-origin. This exceeds 100 percent. The non-white population is actually 24.9 percent.

Race

The percent minority population in Libby city (4.6 percent) and surrounding area (5.9 percent) is half that of Montana State (9.4 percent), and one-fifth that of the United States (24.9 percent). For example, an estimated zero to four African-Americans is living in Libby city (Table 2).

⁶ All tables specify data source in the column heading: EJA data was collected through the EPA's Environmental Justice Assessment software tool; Census 2000 data collected online at <http://www.census.gov>; health data collected with the EJA tool and at the Centers for Disease Control website, online at: <http://www.cdc.gov/>. Data accessed between June 23 and 28, 2004.

Table 2. Comparison of Racial Demographics

Race (%)	EJA		City	Census 2000		
	City (a)	Area (b)		Lincoln Co.	Montana	U.S.
White	2,199 (95.3%)	4,319 (94.1%)	2,508 (95.5%)	18,100 (96.1%)	90.6%	75.1%
African-American	0 (0.0%)	1 (0.0%)	4 (0.2%)	21 (0.1%)	0.3%	12.3%
Hispanic-Origin	16 (0.7%)	49 (1.1%)	32 (1.2%)	NA	NA	12.5%
Asian/Pacific Islander	13 (0.6%)	14 (0.3%)	16 (0.6%)	66 (0.3%)	0.6%	3.7%
American Indian	17 (0.8%)	90 (2.0%)	33 (1.3%)	226 (1.2%)	6.2%	0.9%
Other Race	0 (0.0%)	19 (0.4%)	14 (0.5%)	74 (0.4%)	0.6%	5.5%
Multiracial	79 (3.4%)	148 (3.2%)	51 (1.9%)	350 (1.9%)	1.7%	2.4%

Age

Libby city is slightly older than the surrounding Libby area, and has about 70 percent more seniors 65 years and older (21.9 percent) than the national average (12.4 percent).

Table 3. Comparison of Age Distribution

Age (%)	EJA		City	Census 2000		
	City (a)	Area (b)		Lincoln Co.	Montana	U.S.
5 years or younger	120 (5.2%)	283 (6.2%)	135 (5.1%)	937 (5.0%)	6.1%	6.8%
Minors 17 years or younger	556 (24.1%)	1,255 (27.3%)	631 (24.0%)	4,772 (25.3%)	25.5%	25.7%
Adults 18 years and older	1,752 (75.9%)	3,336 (72.7%)	1,995 (76.0%)	14,065 (74.7%)	74.5%	74.3%
Seniors 65 years and older	505 (21.9%)	798 (17.4%)	587 (22.4%)	2,859 (15.2%)	13.4%	12.4%

Education

The share of residents that did not attend or complete high school in Libby city (21.2 percent) and area (22.7 percent) is greater than in Lincoln County (19.7 percent) and nationwide (19.6 percent). This is in stark contrast to Montana State, where only 12.9 percent of residents have less than a high school education. The share of Libby city, area, and Lincoln County residents with a college degree or higher is less than half the Montana State and U.S. attainment rates.

Table 4. Comparison of Educational Attainment (Population 25 years and over)

Education (%)	EJA		City	Census 2000		
	City (a)	Area (b)		Lincoln Co.	Montana	U.S.
Less than 9th grade	139 (9.0%)	243 (8.4%)	161 (8.7%)	851 (6.5%)	25,200 (4.3%)	7.5%
9th to 12th grade	188 (12.3%)	412 (14.3%)	230 (12.4%)	1,720 (13.2%)	50,158 (8.6%)	12.1%
High school diploma	657 (42.9%)	1,250 (43.3%)	755 (40.8%)	4,948 (38.0%)	183,415 (31.3%)	28.6%
Some college/2 years	382 (24.9%)	686 (23.8%)	516 (27.9%)	3,711 (28.5%)	184,887 (31.5%)	27.4%
B.S./B.A. or more	167 (10.9%)	296 (10.2%)	188 (10.2%)	1,778 (13.7%)	142,961 (24.4%)	24.4%

Income

The average family size in Libby is 2.87 persons. This size corresponds to a poverty threshold income level (Attachment D) of about \$12,400 per family. Similarly, the average household size is 2.2 people, indicating an average household annual income poverty threshold of between

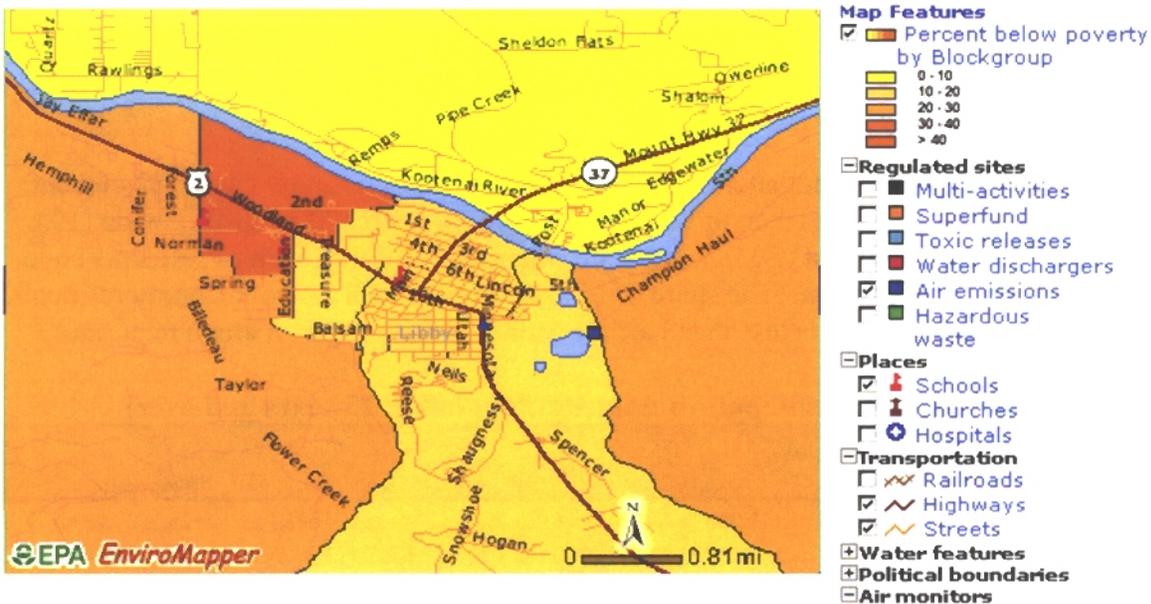
\$10,800 and \$12,047 per household. The percent of Lincoln County’s population aged 17 years or younger (27 percent) is much higher than at the state level (19 percent).⁷

Table 5. Comparison of Household Income Distribution

Household Income (%)	EJA		City	Census 2000		
	City (a)	Area (b)		Lincoln Co.	Montana	U.S.
Median HH Income			\$24,276	\$26,754	\$33,024	\$41,994
Less than \$15,000	306 (30.8%)	591 (30.6%)	363 (31.6%)	2,182 (28.0%)	20.2%	16.1%
\$15,000 to \$25,000	185 (18.6%)	372 (19.3%)	228 (19.9%)	1,416 (18.2%)	17.1%	13.2%
\$25,000 to \$50,000	378 (38.0%)	663 (34.3%)	324 (35.4%)	2,184 (33.5%)	33.7%	27.4%
\$50,000 to \$75,000	78 (7.8%)	169 (8.8%)	105 (9.2%)	1,051 (13.5%)	17.2%	18.3%
Greater than \$75,000	41 (4.1%)	88 (4.5%)	30 (4.0%)	437 (6.8%)	11.9%	25.1%

Libby city and area are much poorer than Lincoln County, Montana and the United States. The percent of households with annual income below \$15,000 is similar between Libby city and surrounding area (30.8 and 30.6 percent). In comparison, Lincoln County (28.0 percent), Montana State (20.2 percent), and the U.S. (16.1 percent) all have a smaller portion of people in this lowest income group. The Census indicates that 206 households (17.3 percent) in Libby city have annual incomes below \$10,000.

Figure 2. Environmental Justice Assessment Map of Percent below Poverty, Libby, MT

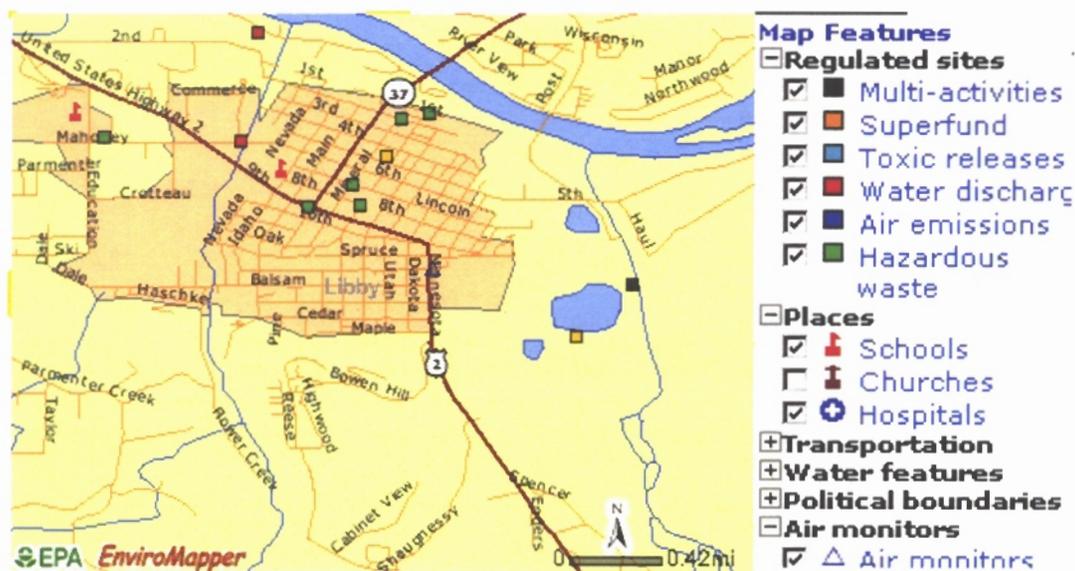


In Figure 2, the dark colored region northwest of downtown Libby spans 0.78 mi² (half the size of Libby) and has the highest poverty rate in the area. EJA estimates there are 383 people living in 161 households, of which 29 households (18 percent) receive public assistance and 66 households (44.1 percent) are renter occupied. This area has higher poverty than Libby, which in comparison to Lincoln County, Montana, and the United States: 170 people (44.4 percent) are below the poverty level, 164 people (42.8 percent) are minors 17 years or younger, and 59

⁷ Montana Department of Public Health and Human Services. <http://www.dphhs.state.mt.us/hpsd/pubheal/healplan/profiles/lincoln.pdf>

people (15.5 percent) are minors 5 years or younger. The percent white population is comparable to Libby city and area (94.6 percent), but American Indians are more strongly represented (5.5 percent) compared to Libby city (0.8 percent) and the Libby area (2.0 percent).

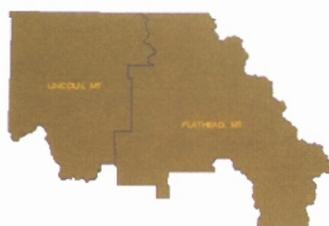
Figure 3. Location of environmentally regulated sites, air monitor, schools in Libby area



Health

The health data in Table 6 should be considered in combination with the other tables in deciding whether a woodstove change-out should be conducted in Libby and how to design it. Libby's heart disease and COPD rates are higher than Montana and national rates. The CDC health data provided by the EJA tool compare mortality rates of Whites and African-Americans. Data limitations make it difficult to draw conclusions based on race, because the health status of African Americans in Table 6 is skewed (1 person) and only state-level health data could be located for American Indians. Given a greater proportion of American Indians live in the highest poverty area, the health status of American Indians should be more closely evaluated.

Figure 4. Health Service Area 728, Lincoln and Flathead Counties, MT



Libby is located in the Department of Health and Human Services' Health Service Area (HSA) 728 (Figure 3).⁸ Limited cardiac health services are available in and around Libby. Of the three hospitals in the HSA, none of the hospitals have a health information center, a cardiac intensive care unit and one has a cardiac catheterization lab. Three doctors have a CVD specialty (heart disease), but none of the hospitals conduct open-heart surgery. Out of 166 MDs, only nine doctors have hospital-based practices. In 1999, hospitals had 8,833 admissions totaling 83,270 inpatient days, plus 160,885 outpatient visits. There are no HMO's in this HSA.

⁸ National Heart, Lung and Blood Institute. "HSA #728 - Flathead, MT-Lincoln, MT." U.S. Department of Health and Human Services: National Institutes of Health. Accessed online 21 July 2004: <http://hp2010.nhlbihin.net/hrmaps/hsa728.html>

Table 6. Comparison of Death Rates by Disease^a

Health	EJA ^b		City	Lincoln Co. ^c	CDC	
	City (a)	Area (b)			Montana ^d	U.S. ^d
All cancers				223.2	124.8 (117.5)	134.3 (128.6)
White					123.5 (116.3)	131.0 (125.9)
White Male Rate	157.7	157.7				
White Female Rate	122.1	122.1				
Black					U/N (U/N)	179.6 (169.3)
Black Male Rate	0	0				
Black Female Rate	1605.9	1605.9				
Native American					159.2 (172.0)	79.3 (82.3)
Pneumonia and Influenza				37.2	19.2	22.0
White						
White Male Rate	14.9	14.9				
White Female Rate	4.9	4.9				
Black						
Black Male Rate	0	0				
Black Female Rate	0	0				
Native American						
Chronic Obstructive Pulmonary Disease				31.9	26.6 (29.0)	19.8 (20.9)
White					26.5 (29.0)	20.2 (21.5)
White Male Rate	32.5	32.5				
White Female Rate	18.2	18.2				
Black					U (U)	16.9 (17.6)
Black Male Rate	0	0				
Black Female Rate	0	0				
Native American					28.0 (31.9)	12.5 (13.5)
Heart Disease				292.3	86.0 (76.6)	119.5 (105.6)
White		(154.2)			85.3 (75.5)	116.7 (103.0)
White Male Rate	153.9	153.9 (192.1)				
White Female Rate	88.5	88.5 (114.9)				
Black					U (U)	157.1 (142.5)
Black Male Rate	0	0				
Black Female Rate	0	0				
Native American					109.2 (111.2)	80.1 (75.5)
Residential Fires					1.6 (1.0)	1.5 (1.2)
White					1.5 (1.0)	1.1 (0.9)
White Male Rate						
White Female Rate						
Black					U (U)	3.8 (3.0)
Black Male Rate						
Black Female Rate						
Native American					U (U)	2.3 (2.5)

Notes relating to Table 6, previous page:

^a Rates based on deaths between 1988 and 1992; Death rates are age adjusted due to cause per 100,000 population.

^b Rate in (parentheses) is based on age-adjusted mortality per 100,000 population recorded in HSA 728 between 1996 and 1998. Online: http://hp2010.nhlbi.nih.net/cvd_frameset.htm

^c Montana Department of Public Health and Human Services. 1999 Montana Vital Statistics Report. Online:

http://www.dphhs.state.mt.us/services/statistical_information/vital/1999_report/vitalstats_1999_table_tables.htm

^d CDC. Healthy People 2000: HP2KM3YR dataset. Death rates are age adjusted due to cause per 100,000 population. First number is 1989 to 1992, in parentheses is 1994 to 1997. Online:

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/Healthy_People_2000/Mortality_Objectives/

U = Unknown, N = No deaths; U/N = No deaths in some, but not all years.

Notes on Chronic Obstructive Pulmonary Disease (COPD)

“During 1980--2000, the overall death rate for COPD increased 67% ([Tables 13](#) and [14](#)). During this period, rates among whites increased 67%, and rates among blacks increased 87%. However, deaths rates for whites remained higher than those for blacks throughout the 21-year period. During 1980--2000, death rates for COPD among men increased 13%; however, death rates among men remained steady since 1985. During 1980--2000, death rates for COPD among women approximately tripled and increased steadily throughout the period ([Figure 8](#)). During 2000, the number of women who died from COPD was, for the first time, higher than the number of men who died from COPD.”⁹

Montana Region

Woodstoves appear to be of concern to Libby residents. The Lincoln County Air Quality Office in Libby has a designated contact number for woodstove burning ([Attachment D](#)). The extent to which residents are aware of smart burning techniques and the percent of EPA certified stoves in the area, if it is known, could not be found. The Montana Department of Environmental Quality (DEQ) has divided the state into Smoke Management Airsheds. Libby is a designated impact zone inside the Kootenai Smoke Management Airshed ([Attachment E](#)). Wood smoke can decrease visibility in Class I areas. Libby is located in general proximity to four Class I areas, including the Cabinet Mountain Wilderness (20 miles WSW), Glacier National Park (142 miles ENE), Mission Mountains Wilderness (162 miles SE) and Bob Marshall Wilderness (190 miles ESE). Three of these areas are included in the map in [Attachment F](#).

⁹ Mannino, David et al. “Chronic Obstructive Pulmonary Disease Surveillance: United States, 1971-2000.” in *Morbidity and Mortality Weekly Report*, U.S. CDC. August 2, 2002 / 51(SS06); 1-16.

Attachment A

Federal, State, County, and Local Elected and Government Officials Related to Libby, MT

Governance Level	Person	Party	Details	Primary Office Location	Secondary Office Location
U.S. Congress - Senate	Sen. Max Baucus	Dem	<p>History Currently in 5th term, elected in 1978.</p> <p>Committees Environment and Public Works; Agriculture, Nutrition and Forestry; and Finance, ranking member.</p> <p>Political Action Comm. Support 4 of top 7 are insurance corp.s, Pfizer, Inc. PAC, Gap, Inc. PAC, and Excel Energy Employee PAC; plus Community Oncology Alliance PAC</p>	<p>511 Hart Senate Office Building Washington, D.C. 20510-2602 Phone: (202) 224-2651 Fax: (202) 224-4700</p>	<p>Main District Office 222 N. 32nd St., Ste. 100 Billings, MT 59101 Phone: (406) 657-6790 Fax: (406) 657-6793</p> <p>Kalispell District Office 75 Claremont, Ste. I Kalispell, MT 59901 Phone: (406) 756-1150 Fax: (406) 756-1152</p>
U.S. Congress - Senate	Sen. Conrad Burns	Rep	<p>History Currently in 3rd term, elected in 1988.</p> <p>Committees Energy and Natural Resources; Budget; Appropriations; Commerce, Science, and Transportation; Small Business and Entrepreneurship.</p> <p>Political Action Comm. Support 4 of top 7 are communications firms, Wal Mart Stores PAC, Employees of Northrop Grumman PAC, and Mortgage Insurance Co.s of America PAC</p>	<p>187 Dirksen Senate Office Building Washington, D.C. 20510-2603 Phone: (202) 224-2644 Fax: (202) 224-8594</p>	<p>Main District Office 222 N. 32nd St., Ste. 400 Billings, MT 59101 Phone: (406) 252-0550 Fax: (406) 252-7768</p> <p>Kalispell District Office 1845 Highway 93, South Ste. 210 Kalispell, MT 59901 Phone: (406) 257-3360 Fax: (406) 257-3974</p>
U.S. Congress - House of Representatives	Rep. Dennis Rehberg	Rep	<p>History Rancher. Served 3 terms in Montana state Congress, then MT Lieut. Gov. Currently in 2nd term, elected in 2000.</p> <p>Committees Agriculture; Resources; and Transportation and Infrastructure</p> <p>Political Action Comm. Support Wal Mart Stores PAC, American Maritime Officers PAC AFL-CIO Voluntary PAC, Air Traffic Controllers PAC, International Association of Firefighters PAC, Coal PAC</p>	<p>516 Cannon House Office Building Washington, D.C. 20515-2601 Phone: (202) 225-3211 Fax: (202) 225-5687</p>	<p>Main District Office: 1201 Grand Ave., Ste. 1 Billings, MT 59102 Phone: (406) 256-1019 Fax: (406) 256-4934</p> <p>Missoula District Office 218 East Main, Ste. B Missoula, MT 59802 Phone: (406) 543-9550 Fax: (406) 543-0663</p>

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Governance Level	Person	Party	Details	Primary Office Location	Secondary Office Location
State Governor	Gov. Judy Martz	Rep	History Served 1 term as MT Lieut. Gov. Currently serving 1 st term as Governor. Barely won election.	State Capitol Helena, MT 59620-0801 Phone: (406) 444-3111 Fax: (406) 444-5529	
MT Air Pollution Control Advisory Council (10 members)	Brad Black, M.D.	NA	History Physician. Appointed to Council on April 17, 1997 by the Governor.	P.O. Box 1442 Libby, MT 59923-1442 Phone: ()293-9274 Fax: () 293-5855 E-mail: bblack@libby.org	
MT Department of Environmental Quality (MT DEQ)	Jan Sensibough, Director	NA		DEQ HQ 1520 E 6th Ave Helena, MT 59620 Phone: (406) 444-2544 Fax: (406) 444-4386	http://www.deq.state.mt.us/
Air, Energy, and Pollution Prevention Bureau (MT DEQ)	Louise Moore, Bureau Chief	NA	History Bureau has a biomass energy efficiency programs for industry and corporations, no residential; offers financial assistance to private individuals for building improvements.	DEQ HQ 1520 E 6th Ave Helena, MT 59620 Phone: (406) 841-5280 Fax: (406) 841-5091	
MT Community Foundation	Glacier Office	NA	Potential funder; Glacier Region reps are: Lex Blood, Judith Diggle Pressmar, Elizabeth Harris, Jon Marchi, Rox Rogers, Carolyn Stamy, Bonnie Wallern. Apply for "Unrestricted Funds"; could focus on local employment and Super Fund providing implementation structure.	The Montana Community Foundation 101 N. Last Chance Gulch, Suite 211 Helena, MT 59601 Phone: (406) 443-8313 Fax: (406) 442-0482 E-mail: ryaeger@mtcf.org	http://www.mtcf.org/index.cfm
Lincoln County Air Quality	Libby Office	NA		Libby, MT 59923 Phone: (406) 293-7781	http://mt.allpages.com/libby/government/misc-government/
Lincoln County Air Quality	Libby Office Wood Stove Burning Hotline	NA		Libby, MT 59923 Phone: (406) 293-5645	http://www.deq.state.mt.us/AirMonitoring/citguide/contacts.asp
Lincoln County Health Dept.	Kendra Lind			418 Mineral Ave. Libby, MT 59923 Phone: (406) 293-7781, ext. 220 klind@libby.org	http://www.deq.state.mt.us/AirMonitoring/citguide/contacts.asp

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Governance Level	Person	Party	Details	Primary Office Location	Secondary Office Location
Libby DEQ Contact	Wood Stoves	NA	Emissions, Regulations and Surveys	Phone: (406) 444-0346	http://www.deq.state.mt.us/AirMonitoring/citguide/contacts.asp
American Lung Association	MT Office	NA	Part of national organization	(406) 442-6556	http://www.deq.state.mt.us/AirMonitoring/citguide/contacts.asp

Sources: Accessed online on June 28, 2004 at: www.congress.org. Other sources cited in table.

Attachment B
Maps from EJA Tool of Data Sample Areas

Figure 1. Digitized area (a) Libby city

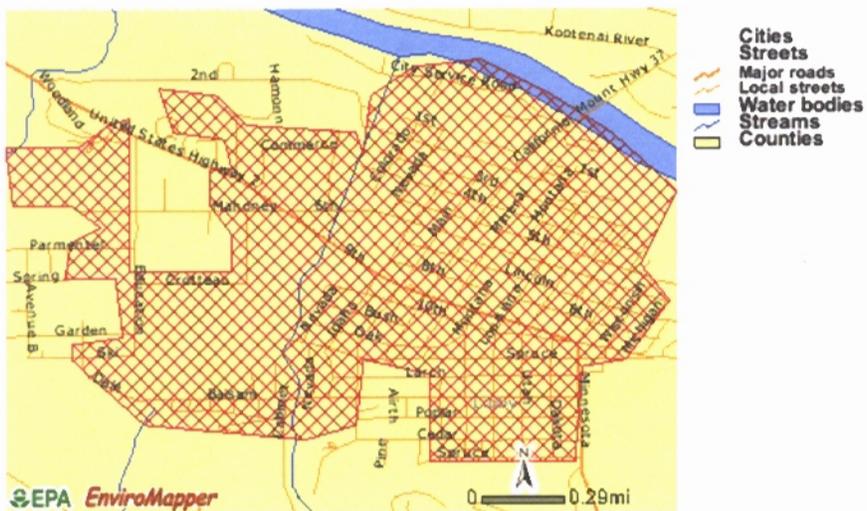
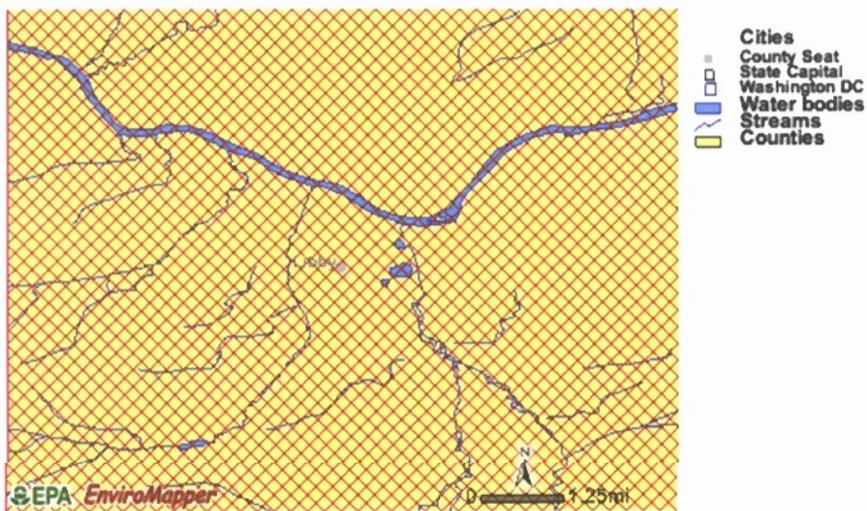


Figure 2. Digitized area (b) Libby city and surrounding region



Attachment C
Summary of U.S. Census 2000 Data for Libby Montana

Characteristic	Number	Percent	U.S.
<u>General Characteristics</u>			
Total population	2,626	100	100%
Male	1,228	46.8	49.10%
Female	1,398	53.2	50.90%
<u>Median age (years)</u>	43.2	(X)	35.3
Under 5 years	135	5.1	6.80%
18 years and over	1,995	76	74.30%
65 years and over	587	22.4	12.40%
<u>One Race</u>			
White	2,575	98.1	97.60%
Black or African American	2,508	95.5	75.10%
American Indian and Alaska Native	4	0.2	12.30%
Asian	33	1.3	0.90%
Native Hawaiian and Other Pacific Islander	16	0.6	3.60%
Some other race	0	0	0.10%
Two or more races	14	0.5	5.50%
Hispanic or Latino (of any race)	51	1.9	2.40%
Hispanic or Latino (of any race)	32	1.2	12.50%
Average Household Size	2.2	(X)	2.59
Average family size	2.87	(X)	3.14
<u>Total housing units</u>			
Total housing units	1,264	100	100.00%
Occupied housing units	1,132	89.6	91.00%
Owner-occupied housing units	650	57.4	66.20%
Renter-occupied housing units	482	42.6	33.80%
Vacant housing units	132	10.4	9.00%
<u>Social Characteristics</u>			
Population 25 years and over	1,850	100	
High school graduate or higher	1,459	78.9	80.40%
Bachelor's degree or higher	188	10.2	24.40%
Civilian veterans (civilian population 18 years and over)	374	18.4	12.70%
Disability status (population 21 to 64 years)	348	26.6	19.20%
Foreign born	51	1.9	11.10%
Now married (population 15 years and over)	1,107	51.1	54.40%
Speak a language other than English at home (5 years and over)	90	3.5	17.90%
<u>Economic Characteristics</u>			
In labor force (population 16 years and over)	1,061	50.2	63.90%
Mean travel time to work in minutes (population 16 years and over)	11.3	(X)	25.5
<u>Median household income (dollars)</u>	24,276	(X)	41,994
Median family income (dollars)	29,615	(X)	50,046
Per capita income (dollars)	13,090	(X)	21,857
Families below poverty level	70	10	9.20%
Individuals below poverty level	410	16.3	12.40%

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Characteristic (continued)	Number	Percent	U.S.
<u>Housing Characteristics</u>			
Single-family owner-occupied homes	601	100	
Median value (dollars)	63,500	(X)	119,600
Median of selected monthly owner costs	(X)	(X)	
<u>With a mortgage</u>			
With a mortgage	652	(X)	1,088
Not mortgaged	212	(X)	295

(X) Not applicable.

Source: U.S. Census Bureau, Summary File 1 (SF 1) and Summary File 3 (SF 3)

Attachment D**U.S. Census Bureau 2002 determination of poverty threshold for the United States**

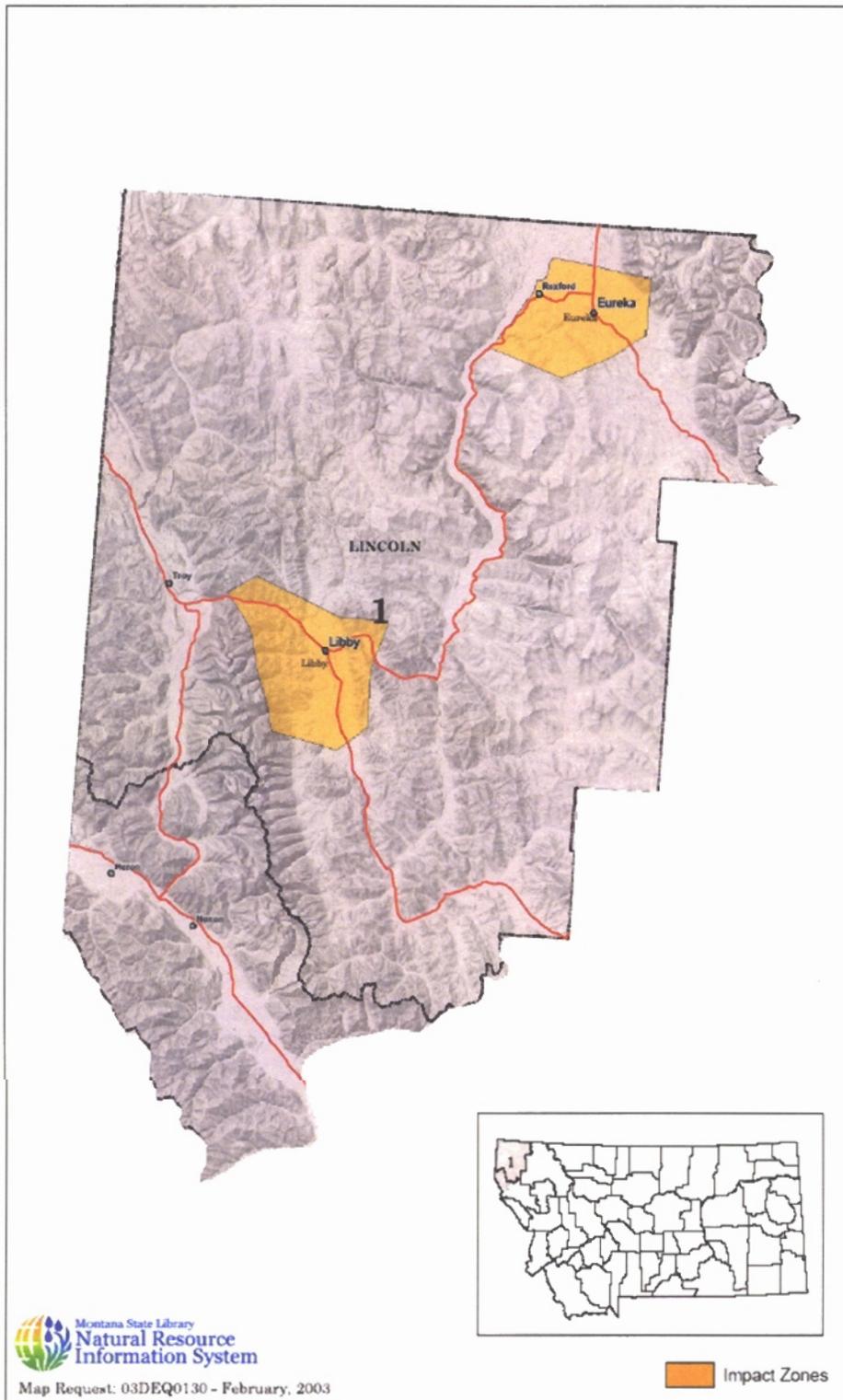
Size of family unit *	Weighted Average Thresholds	None	One	Two	Three	Four	Five	Six	Seven	Eight or More
One person (unrelated individual)	9,183									
Under 65 years	9,359	9,359								
65 years and over	8,628	8,628								
Two persons	11,756									
Householder under 65 years	12,110	12,047	12,400							
Householder 65 years and over	10,885	10,874	12,353							
Three persons	14,348	14,072	14,480	14,494						
Four persons	18,392	18,556	18,859	18,244	18,307					
Five persons	21,744	22,377	22,703	22,007	21,469	21,141				
Six persons	24,576	25,738	25,840	25,307	24,797	24,038	23,588			
Seven persons	28,001	29,615	29,799	29,162	28,718	27,890	26,924	25,865		
Eight persons	30,907	33,121	33,414	32,812	32,285	31,538	30,589	29,601	29,350	
Nine persons or more	37,062	39,843	40,036	39,504	39,057	38,323	37,313	36,399	36,173	34,780

Source: U.S. Census Bureau, Current Population Survey, 2003 Annual Social and Economic Supplement.

* Children are related and under 18 years

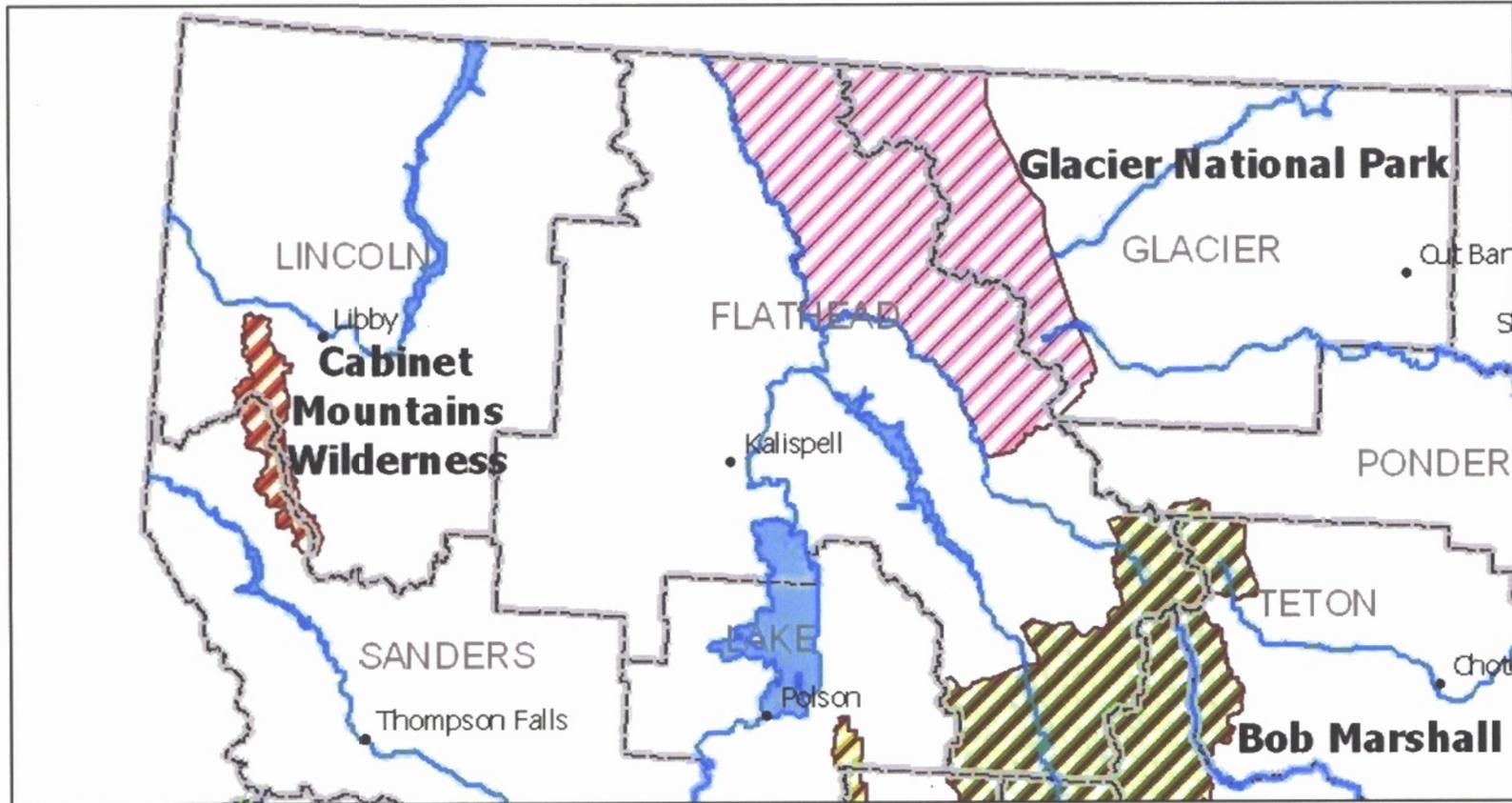
Online sources: Table, <http://www.census.gov/hhes/poverty/threshld/thresh02.html>; Definition of poverty: <http://www.census.gov/hhes/poverty/povdef.html#1>.

Attachment E
Libby area, inside Kootenai Smoke Management Airshed (number 1)



Source: MT DEQ, Online: http://www.deq.state.mt.us/AirQuality/Planning/MONTANA_SMOKE_MGNT_airshed.htm

Attachment F
Map of Montana's Class I Areas



Source: Montana Department of Environmental Quality, Online on June 28, 2004 at: <http://www.deq.state.mt.us/AirQuality/Planning/airmaps/MTClassIAreas.jpg>