

Bakersfield Town Plan 2009



Adopted by the Bakersfield Select Board
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Bakersfield Select Board

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Table of Contents

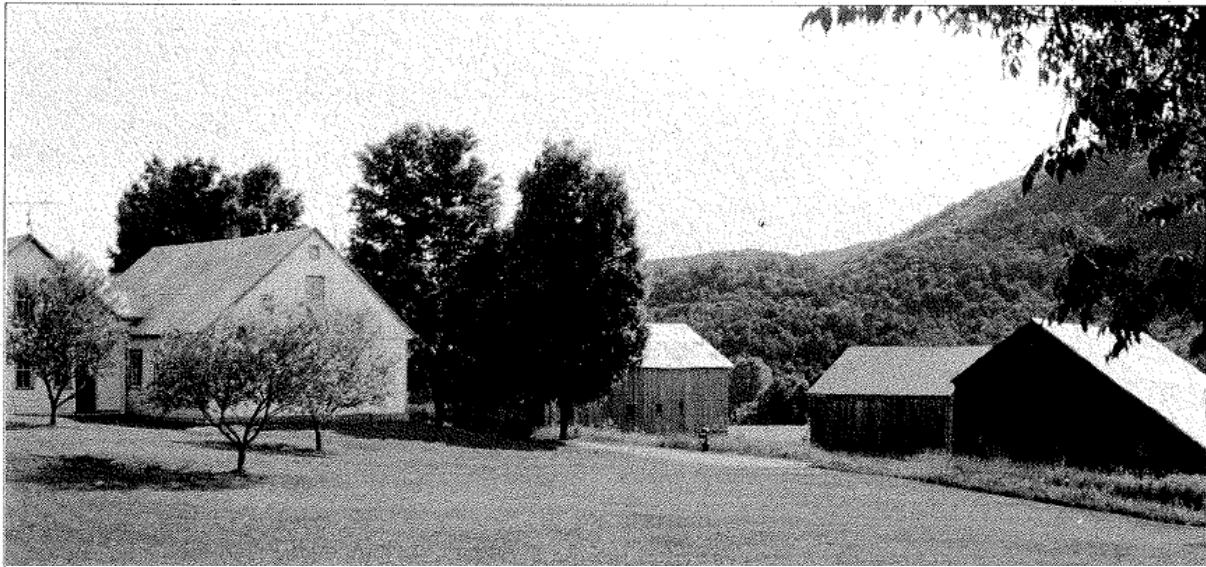
Vision Statement.....	3
Chapter 1. Introduction	4
Chapter 2. Community Profile	6
Chapter 3. Historic and Archaeological Resources	11
Chapter 4. Utilities, Facilities and Services	22
Chapter 5. Transportation.....	30
Chapter 6. Energy.....	36
Chapter 7. Education and Childcare	43
Chapter 8. Natural Resources	47
Chapter 9. Housing.....	60
Chapter 10. Land Use	65
Chapter 11. Compatibility with Surrounding Towns	72
Chapter 12. Implementation Plan.....	75
References	76
Appendix I. Summary of Goals and Policies	78
Appendix II. Municipal Roles and Responsibilities	85

List of Tables

Table 2.1 Population Trends for Bakersfield and its Surrounding Areas.....	7
Table 2.2 Percent Change in Population for Bakersfield and its Surrounding Areas.....	7
Table 2.3 Increase in Households, and Housing Units 1980-2000.....	8
Table 2.4 Age Structure Comparison in Bakersfield and its Surrounding Areas.....	8
Table 2.5 Percentage of Non-Institutionalized, Civilian Population with Disability Status	9
Table 2.6 Median Household Income and Percent Change & Percent of Families Below Poverty Level.....	10
Table 5.1 Commuting Time to Work (1990 – 2000).....	30
Table 5.2 Work Destinations.....	31
Table 5.3 Transportation Type Used in Commuting to Work.....	31
Table 5.4 Road Mileage in Bakersfield.....	32
Table 6.1 Housing Units by Heat Source, 2000.....	37
Table 7.1 Number of Children in Bakersfield under the age of 12.....	43
Table 7.2 Enrollment at the Bakersfield Elementary School.....	44
Table 7.3 Enrollment in area High Schools.....	45
Table 7.4 Attendance by High School with Tuition Rates.....	45
Table 8.1 Slope Classifications.....	48
Table 9.1 Bakersfield Affordability Gap for Home Ownership.....	62

List of Figures

Figure 2.1 Town of Bakersfield Population Trends, 1800-2000.....	6
Figure 2.2 Bakersfield Population Increase by Net Migration and Natural Increase	7
Figure 2.3 Occupations of Bakersfield Residents.....	9
Figure 3.1 Bakersfield, 1871 Beers Map.....	12
Figure 3.2 Archaeological and Historic Sites in the King's Hill area.....	20
Figure 4.1 Municipal Facilities and Utilities.....	25
Figure 5.1 Bakersfield Transportation System	33
Figure 6.1 Energy Sources of Utilities Serving Bakersfield, 2006.....	36
Figure 6.2 Average Electrical Rates in Vermont vs. New England, 2000-2007.....	37
Figure 6.3 Average Cost for Heating Fuel in Vermont, 2000-2007.....	38
Figure 8.1 Elevation Map of Bakersfield.....	47
Figure 8.2. Bakersfield Soil Septic Suitability	49
Figure 8.3 Agricultural and Forestry Soils in Bakersfield.....	50
Figure 8.4 Bakersfield's Water Resources.....	52
Figure 8.5 Subwatersheds in Bakersfield.....	53
Figure 8.6 Critical Habitat Areas.....	57
Figure 9.1 Comparison of Housing Units to Population, 1940-2000.....	60
Figure 9.2 Number of Building Permits Issued per Year in Bakersfield, VT.....	61
Figure 9.3 Median Sale Price of Primary Residence.....	61
Figure 10.1 Current Bakersfield Zoning Map.....	67
Figure 10.2 Proposed Bakersfield Zoning Map.....	69



Bakersfield is rich in historic resources, including this remarkably intact and preserved historic farmstead on the Fletcher line. It includes a farmhouse built circa 1800 with three mid 19th century barns and ice house that form a protected barnyard. Two traditional English eaveside barns with lean-to milking stables with wooden stanchions and a slate roofed horse and carriage barn continue as storage facilities on a working dairy farm. Credit: Bakersfield Historical Society.

Vision Statement

The purpose of this Town Plan is to ensure that future growth in Bakersfield be at a pace the town can assimilate, that the unique and essential character of Bakersfield remains intact, and that our valuable natural resources, such as wildlife, forests, wetlands and agricultural lands will be protected and preserved.

Bakersfield has experienced significant residential growth in the past twenty years while the commercial and economic sector has declined. This Town Plan is intended as a guide for reasonable and effective policies, procedures, and bylaws designed to guarantee that the rate and pattern of growth enhances the quality of life enjoyed by Bakersfield residents.

Chapter 1. Introduction

Purpose

The purpose of a municipal plan is to help guide decision-makers to chart the future of a community. A plan is a town's vision for the future. It states related goals and objectives based upon a brief reflection of the past and an analysis of existing conditions. A plan is developed from an established planning program which has involved the public in a variety of ways. Through this collective effort the vision and recommendations have been developed with the best interests of the town as a whole in mind. In other words, a Town Plan is a calculated vision which is put together by the residents of the town.

This Town Plan will help Bakersfield control its future by providing it with the means to direct change. A Town Plan does that by providing the community with a plan of action, or blueprint, which shows a community what it will be like in the future. A Town Plan can help determine what things are going to stay the same and what things are going to change. It defines how those changes are going to happen, and how quickly, or slowly, they are going to take place. A Town Plan gives Bakersfield the power to guide change, and the pace at which change will occur, so that change does not control the town's future. If the recommendations of the plan are implemented, the quality of life in Bakersfield can be positively affected.

Bakersfield Town Officials engage in an ongoing planning program for additional reasons including:

- providing additional information and data to guide decision-makers in developing new policies;
- identifying areas where additional study is needed; and
- providing a foundation for amending the zoning and subdivision bylaws.

Policies within the municipal plan are based on an analysis of current conditions, the input of many residents, housing and population projections, and development trends in the town and the surrounding region. Though the goals and policies of this plan are long-term, it is expected that Bakersfield will re-examine them periodically and amend the Plan as needed and as required by law.

Authority

The town of Bakersfield is authorized to prepare and adopt a Municipal Plan via Chapter 117, Title 24 of the VSA (Vermont Municipal and Regional Planning and Development Act). Section 4382 of the Act dictates what needs to be included in a plan. The intent of the law is to encourage a municipality to "engage in a continuing planning process that will further several stated goals." The Act further states that municipal plans shall be re-examined, updated, and re-adopted every five years. This process should be ongoing, whereby the Plan is continually reassessed and revised to meet the changing

needs of the community. Consequently, there will be future opportunities to review and amend the plan. Residents, community groups, or anyone with an interest in the town is encouraged to provide input into this ever-continuing process at any time.

Overview of the Planning Program

Planning and zoning in Bakersfield began with a first town plan in 1992. Zoning regulations were adopted in 1966 and updated in 1971, 1978, 1989 (interim), 1991 (interim), 1994 and 2006. These are intended to be "living" documents which have been, and will continue to be, updated many times to reflect the ever-changing conditions in Bakersfield. The 2009 Bakersfield Town Plan builds on the previous town plans and furthers the effort to maintain a strong, vibrant community.

The 2009 Bakersfield Town Plan is a result of a planning process initiated in the fall of 2006. The update was completed with assistance from the Northwest Regional Planning Commission and support from a Municipal Planning Grant awarded through the Vermont Department of Housing and Community Affairs. This planning process began with a survey of Bakersfield residents. More than 70 Bakersfield residents responded to the survey and provided the planning commission with valuable input on their goals and visions for the community. Residents were also invited to participate in two public forums, held in April 2007 and April 2008 to discuss updates to the Town Plan and Zoning Bylaws. Further input was also gathered by the Bylaw Review Committee.

The town of Bakersfield continues to encourage public participation at all levels of the planning process. All Selectboard, Planning Commission and other town meetings are open to the public. Residents are encouraged to attend to offer input and voice their opinions.

The Structure of the Plan

The Bakersfield Town Plan is divided into chapters that address both the required elements of 24 V.S.A. Chapter 117 and other key areas of concern. Each chapter contains background information, including past trends, current status, and future needs intended to inform the town's planning efforts. At the end of each chapter is a set of goals and policies that have been developed by the Planning Commission which are based on the available information and intended to move Bakersfield toward the Vision as highlighted at the beginning of this plan. For the purpose of this plan, the terms "goals" and "policies" are defined below:

Goals reflect the "desired future condition" – although some may not be attainable for many years;

Policies are the strategies to pursue in order to attain the goals.

The Town Plan also considers compatibility with the surrounding towns and the region as a whole, and concludes with an Implementation Chapter that makes recommendations and identifies specific actions for the town to take in the next five years and beyond.

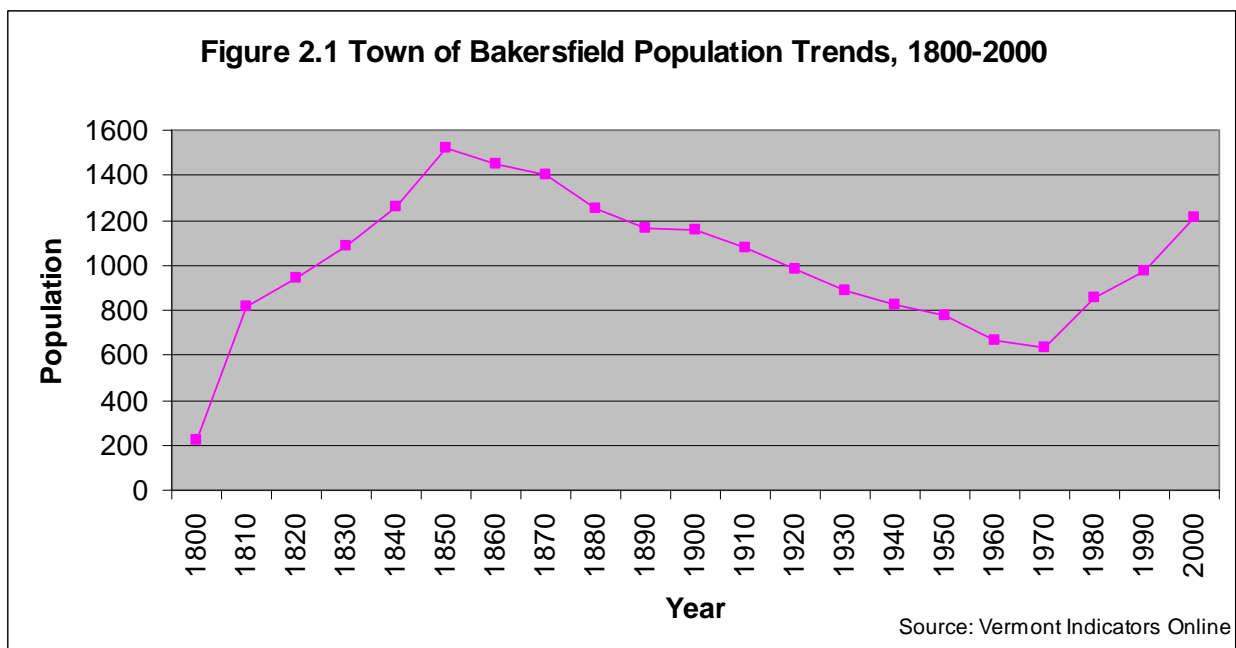
Chapter 2. Community Profile

The town of Bakersfield is located in Franklin County in the northwestern part of Vermont. Bakersfield shares borders with the towns of Fletcher, Fairfield, Enosburgh, Montgomery, Waterville and Belvidere (in Lamoille County). Bakersfield is within 20 miles of the City of St. Albans, the regional growth center, and approximately 40 miles from the City of Burlington, Vermont's largest City.

Population

The population of the town of Bakersfield has fluctuated over the past two centuries (Figure 2.1). In the mid-1800s, the town hit its peak population with more than 1500 residents. Following this peak, the population steadily declined until reaching a turning point in the 1970s.

Like many other towns in the northwest region, the latter half of the 20th century brought significant growth to Bakersfield (Table 2.1). From 1980 to 1990, its population grew by 14.5 percent, and between 1990 and 2000 that increase jumped to 24 percent, nearly three times the rate of state growth (Table 2.2).



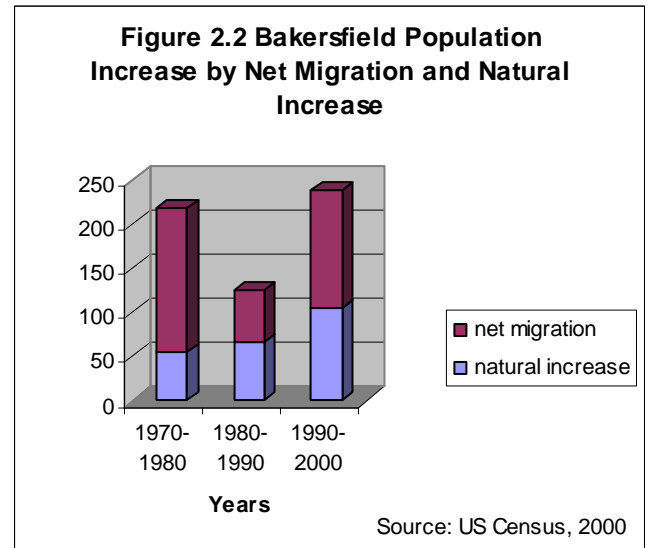
	Actual				Estimate
	1970	1980	1990	2000	2006
State of Vermont	444,731	511,466	562,767	608,827	623,908
Franklin County	31,281	34,788	39,980	45,417	48,187
Bakersfield	635	852	977	1,215	1399
Fletcher	456	626	941	1,179	1297
Fairfield	1285	1,493	1,680	1,800	1892
Enosburg	1918	2,070	2,535	2,788	2755
Montgomery	651	681	823	992	1,064
St. Albans City	8082	7,308	7,339	7,650	7,409
St. Albans Town	3170	3,555	4,606	5,324	6030
Lamoille County	13,309	16,767	19,735	23,233	24,592
Belvidere	189	218	228	294	290
Waterville	397	470	532	697	688

Source: U.S. Census

Population growth is the result of two factors: natural increase (where the number of births exceed the number of deaths) and/or net in-migration (where the number of people moving into a community exceeds the number of people moving out). While Bakersfield's natural increase has showed a slow and consistent increase, the rate of net migration had a greater and more variable effect on population growth (Figure 2.2).

	1970-1980	1980-1990	1990-2000
State of Vermont	15.0	10.0	8.2
Franklin County	11.2	14.9	13.6
Bakersfield	34.2	14.7	24.4
Fletcher	37.3	50.3	25.3
Fairfield	16.2	12.5	7.1
Enosburgh	7.9	22.5	10.0
Montgomery	4.6	20.9	20.5
St. Albans City	-9.6	0.4	4.2
St. Albans Town	12.1	29.6	15.6
Lamoille County	26.0	17.7	17.7
Belvidere	15.3	4.6	28.9
Waterville	18.4	13.2	31.0

Source: U.S. Census



As the population of Bakersfield has increased, so too have the number of households and housing units (Table 2.3). The percent increase in the number of households and housing units for the town is

Definitions:
A Housing Unit is a house, an apartment, a mobile home, a group of rooms, or a single room that serves as a separate living quarters.
A Household is all the people who live in a housing unit.

greater than the figures for the county and for the state. The growth in the number of households actually declined slightly from 1990 to 2000, as compared with 1980 to 1990. However, there was a slight gain in the percentage of new housing units. The average household size has held relatively steady at 2.83 persons/household in 1990 and 2.77 persons/household in 2000. However, if household size follows the regional trend and decreases over time, Bakersfield can expect to need a greater number of housing units to shelter the same number of people.

Table 2.3 Percent Increase in Households, and Housing Units 1980-2000				
	Households		Housing Units	
	1980-1990	1990-2000	1980-1990	1990-2000
Bakersfield	29.21	27.25	19.25	21.45
Franklin County	23.65	17.02	19.29	11.25
Vermont	18.12	14.23	21.51	8.54

Source: US Census

Age Distribution

The median age in 2000 for the residents of Bakersfield was 35.2 years, up from 32.2 in 1990 and 29.4 in 1980 (Table 2.4). This is comparable to the median age of Franklin County and Vermont residents, 35.7 years and 37.7 years, respectively. Bakersfield, Franklin County, and the state of Vermont have all seen an increase in their median ages since 1980. As in many towns in Vermont, the population of Bakersfield is aging. The percent of individuals under the age of eighteen has declined since 1980, while the percent of the population between the ages of eighteen and 64 has seen a slight increase. Bakersfield has actually seen a decline in its population of those older than 65 years.

Table 2.4 Age Structure Comparison in Bakersfield and its Surrounding Areas												
	% of Pop < 18 yrs			% of Pop 18-64 yrs			% of Pop 65+ yrs			Median Age (yrs)		
	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
Vermont	28.4	25.9	24.2	60.2	62.3	63.1	11.4	11.8	12.7	29.4	33	37.7
Franklin County	33	29	28.1	56	60	60.9	11	11	11	28.9	31.7	35.7
Bakersfield	35	31	31	55	59	61	10	9	9	28.6	32.2	35.2

Source: US Census of Population 1970-2000

Special Populations

The US Census provides information about the number of people with various levels and types of disabilities. Bakersfield has a noticeably higher percentage of disabled persons between the ages of 5 and 15 years old (8.3 percent) as compared with Franklin County (5.6

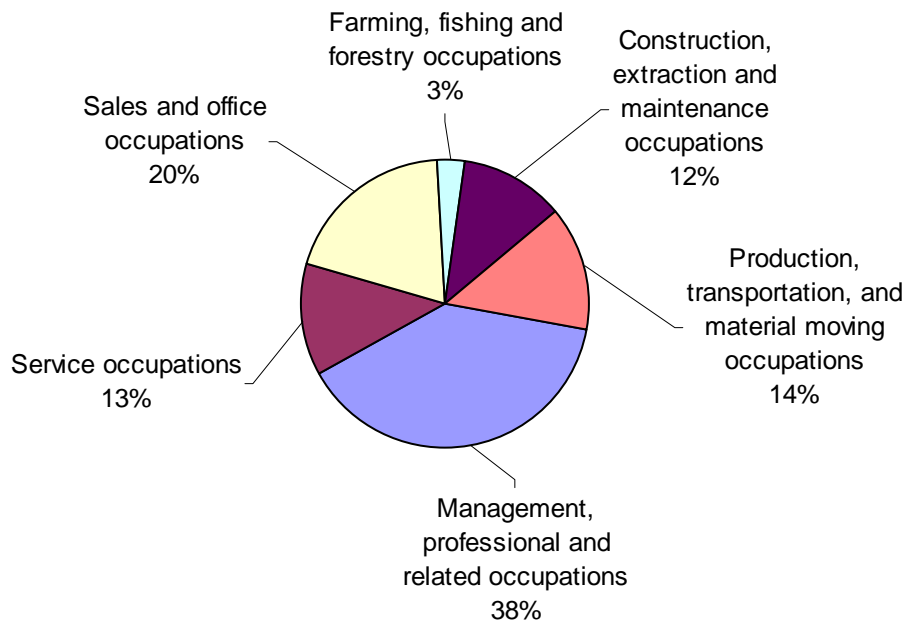
	5-15 years old	16-64 years old	65 and over
Vermont	6.6	15.7	38.6
Franklin County	5.6	18.3	43.2
Bakersfield	8.3	17.1	32
Source: US Census			

percent) and the state of Vermont (6.6 percent) (Table 2.5). Bakersfield also has a lower percentage of disabled persons over the age of 65 (32 percent) as compared with the County (43.2 percent) and the state (38.6 percent).

Income and Economy

Historically, the Bakersfield economy has relied heavily on agriculture, forestry and education. According to the 2000 Census, 78.5 percent of Bakersfield residents age 20-65 are employed. Of these, only 3 percent made their living through farm and forestry practices (Figure 2.3). More than 50 percent of Bakersfield residents reported management, professional, and office occupations. This represents a significant shift in the economy of Bakersfield and is expected to continue in the coming years.

Figure 2.3 Occupations of Bakersfield Residents



Source: US Census, 2000

The median household income for Bakersfield was slightly above the median household income for both Franklin County and for Vermont in 1989, but by 1999 had dropped to be slightly below (Table 2.6). The percent change in median household income in Bakersfield from 1989 to 1999 was significantly less than that of Franklin County (35 percent as compared with 47 percent). Despite the fact that Bakersfield has a lower median income, the town has a lower percentage of families with incomes below the poverty level (6.1 percent) as compared to both the County (7 percent) and the state (6.3 percent).

Table 2.6 Median Household Income and Percent Change & Percent of Families Below Poverty Level				
	Median Household Income & Percent Change			% families below poverty level 1999
	1989	1999	% change 1989-1999	
Bakersfield	\$29,946	\$40,417	35%	6.1
Franklin County	\$28,401	\$41,659	47%	7.0
Vermont	\$29,792	\$40,856	37%	6.3

Source: US Census of Population 1980-2000

Chapter 3. Historic and Archaeological Resources¹

Town History

The town of Bakersfield was originally chartered as Knowlton's Gore in 1787. Approximately 10,000 acres of land were granted to Luke Knowlton, a land surveyor. Soon after the charter was signed by Governor Thomas Chittenden on January 25, 1791, Knowlton sold the land to Joseph Baker, a settler from a well-to-do family in Westboro, Massachusetts. In 1792, part of adjoining Fairfield and Smithfield lying to the south and west of the present-day village common and St. George Cemetery, respectively, were annexed to Bakersfield.

Between 1800 and 1850 the population of Bakersfield increased from 222 to an all time high of 1,523 inhabitants. By 1839, some of the early families who had emigrated from areas around Boston realized that their children and grandchildren needed more than the 8th grade education provided by the town's 12 school districts if they were to succeed in the rapidly changing economy of the mid-19th century. Thirty-one townspeople contributed sums ranging from ten to seventy-five dollars to build South Academy (later St. George Church 1885-1977, and Bakersfield Historical Society 1997-present). The officers of the Bakersfield Academical Association hired Jacob Spaulding, a graduate of Dartmouth College, as the first headmaster/teacher (1840-1852). The catalogue of 1850 in the Historical Society's collection lists 361 students from all over Vermont, New York, New England and Quebec, along with the houses where they took room and board for \$1.25 per week. Some of these Greek Revival houses with their continuous additions are still standing along Main Street today.

In 1844, the Methodists built a second academy, North Academy on a hill across the road from the Methodist Church (its frame structure deteriorated and was torn down years ago). They hired the Rev. H.J. Moore, a noted classical scholar from New York State as its principal. The two academies competed for excellence and established Bakersfield as an exceptional center for secondary education in northern Vermont in the mid-19th century. Meeting the demand for goods and services needed by the student population brought economic prosperity to an otherwise agricultural town. Two stages a day made round trips to St. Albans. The instructors and graduates who continued to live in Bakersfield enhanced the cultural environment of the community for years.

Even though Bakersfield experienced its first decline in population during and after the Civil War (1861-1865) the percentage of Irish and French Canadian residents was increasing. The drop in student enrollment at South Academy driven by the war and the availability of other secondary school opportunities in northern Vermont provided a place for the Roman Catholics to worship. Beginning in 1867 the Congregation of St. George bought South Academy floor by floor until they owned the whole building in 1885. In 1906 the parishioners had transformed the post

¹ Special thanks to Nancy Hunt for all of her work in compiling this chapter.

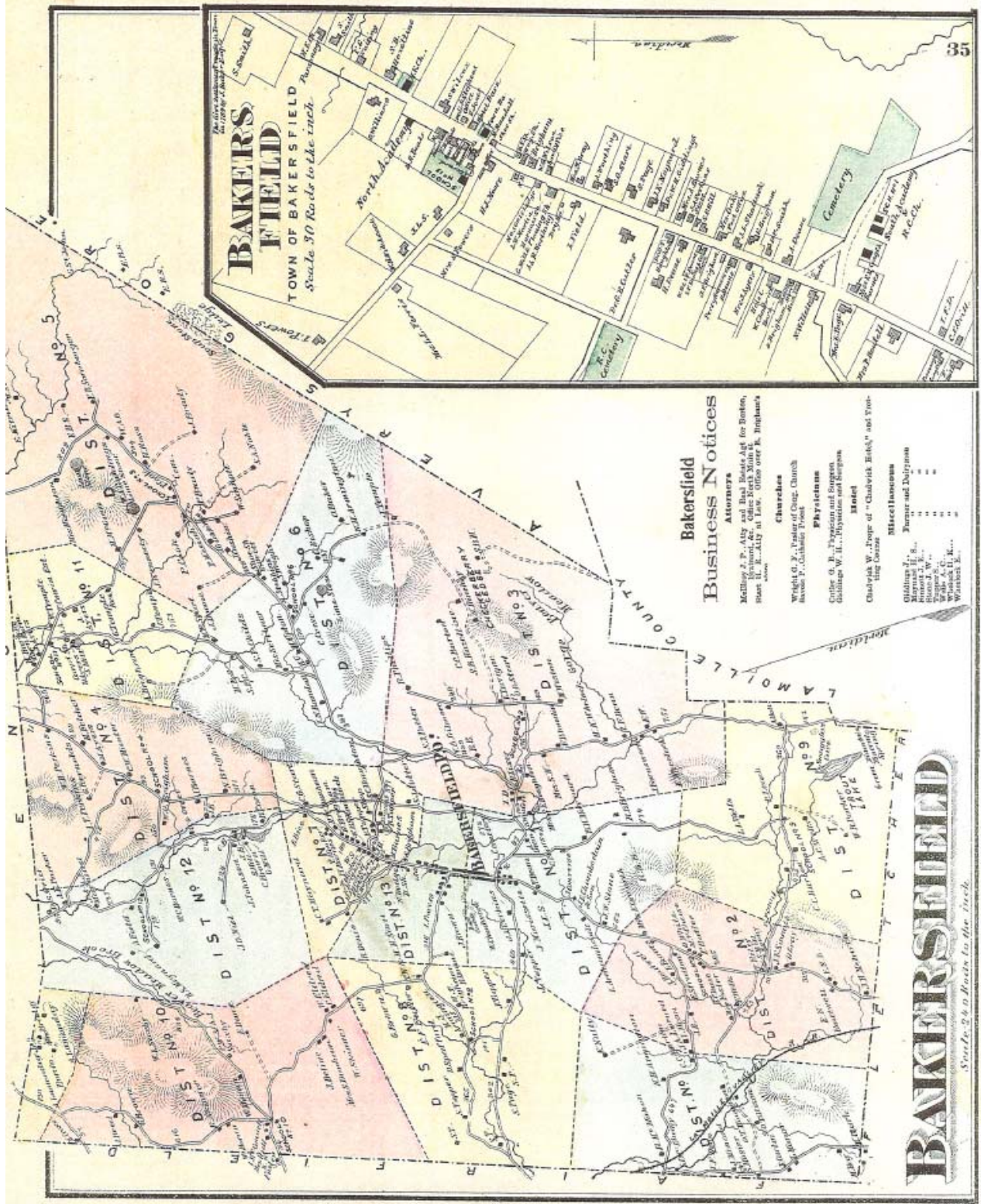


Figure 3.1. This 1871 Beers Map shows the even distribution of the population in farms throughout the thirteen districts of Bakersfield and a concentration of residents in the village center.

and beam Greek Revival school house and belfry into the neo Gothic church that today is the home of the Bakersfield Historical Society. In 1865, the Congregation of St. George also purchased a burial ground, which continues today as the Catholic Cemetery in Bakersfield, located at the head of the Avenue (West Street). Figure 3.1 shows the development patterns, including the boundaries of Bakersfield's 13 school districts, in 1871.

When Peter Bent Brigham died in 1877, leaving a bequest of \$30,000 for the improvement of education, the townspeople voted to build a high school instead of dividing the funds among the 13 school districts. Their decision was encouraged by Sarah Brigham Jacobs, his widowed sister, who purchased a tract of land in the village for the academy. The building was completed and dedicated in August 1879, with President Buckham of the University of Vermont and almost 1000 people in attendance. When Sarah Jacobs died in 1891, she left an endowment of \$100,000 that strengthened the school's financial resources as well as providing seven scholarships for graduates to attend the University of Vermont. The north wing, built in 1900, doubled the size of the building; it included a gymnasium for fitness training as well as four laboratories and classrooms to meet the needs of increased enrollment with an emphasis on scientific curriculum.

The completion of the St. Johnsbury and Lamoille County Railroad in 1877, with a depot only a few miles away in East Fairfield, provided convenient transportation for Brigham Academy students and their families, as well as access to larger markets across northern Vermont and beyond for local merchants, tradesmen and farmers.

By 1878 Bakersfield residents received messages and news over a telegraph line from East Fairfield to the home of Mrs. Bradley Brigham (site of the present library) because she had learned Morse code. In 1899 that line was replaced with a telephone line to a public phone in the J.A. Perkins Variety Store (now an apartment block on Main Street opposite the Avenue). Electrical power was available in Bakersfield in 1924.

Bakersfield, in spite of a 43% decrease in resident population between 1870 and 1940, was a vibrant, self sufficient and prosperous community. The influx of students (as many as 160 in 1900) paid room and board in private homes, supported local stores and services, and entertained the townspeople with concerts, drama productions, athletic competitions, and literary publications. There were two venues for presentations and celebrations, one in the second floor auditorium of the Academy and the second, after 1909, on the second floor of the Town Hall for local gatherings. The latter had a curtain painted by C. Andrus for its stage. The town gave it to the Vermont Historical Society several years ago. There was a trotting park behind the Catholic cemetery where residents could train and race their horses. An elegant hearse carriage, now on display at the Shelburne Museum, was available to carry the deceased to a free burial plot in the village cemetery. It was stored in the rear of the Queen Anne style hearse house that had been built for it in 1890.



The historic hearse house sits in the village cemetery, while its carriage is on display at the Shelburne Museum.

Agriculture flourished throughout Bakersfield until the middle of the 20th century. The earliest farms were self sufficient sources of food including grains and livestock for family use with small surpluses to barter or sell. There was a saw and grist mill on Browns Pond in the north and a tannery. Until the War of 1812, there was a market in Canada (Great Britain) for ship building timbers and potash salts, both by-products of clearing the land. Cattle, especially oxen were prevalent, for hauling carts and clearing land. By the mid 19th century when Bakersfield's population reached its peak, there were almost four times as many sheep as people. Farmers from earliest times boiled maple sap for sugar at first on arches in the woods and later in sugar houses.

It wasn't until after the Civil War (1861-1865) that farmers began specializing in dairy cattle. Child's agricultural census (1888) lists over 100 farms in Bakersfield with an average of 18 cows, which were distributed evenly throughout the town. Jersey cows were the preferred breed because of the high butterfat content for butter and cheese production. Resident laborers, tradesmen, farriers, blacksmiths, harness makers, cattle brokers, and doctors were readily available. Over time, many local businesses such as tanneries, creameries, slaughter houses, farm implement and feed stores provided the infrastructure needed for a strong agricultural economy.



The Malone Farm in East Bakersfield includes an 1850 house on the left and a high bank dairy built in 1890 on the right. Horses pulled hay wagons piled high with loose hay up the ramp or wharf. Hay was packed into the sides of the loft and dropped down to the dairy cows in the ground floor stable below. Credit: Bakersfield Historical Society.

A decline in agriculture accelerated during the 20th century due to technological change and state/federal regulations. The availability of electricity and gas-powered machinery in the 1930's, though extremely beneficial to the lifestyle of farmers, often brought financial challenges to the sustainability of Bakersfield's farms. Refrigerated storage elevators, rail cars and trucks required capitalization and centralized processing that in turn caused dependence on a commodity market for fluid milk.

Today, there are only five dairy farms in Bakersfield, including one very large operation with a methane digester on the northern boundary with Enosburgh. There is a growing number of small farms engaged in livestock and local/organic food production. Many maple sugar producers process and market their own syrup. There are also three tree farms that raise and sell Christmas trees. Increasingly, landowners with timber and open land not enrolled in current use are selling lots for development.

Except for loss by fire, many of the historic houses, public buildings, and barns in Bakersfield remain intact. The cultural dynamic, however, has changed dramatically in the last 50 years from a self-sufficient and vibrant community to that of a bedroom town. During the 1950's the dirt road to St. Albans was paved and became State Highway 36: Rte 108 was straightened and paved. By the end of the decade, a growing number of Bakersfield residents found better paying jobs at IBM in Essex and St. Albans as well as access to more goods and services. The completion of Interstate 89 to the Canadian border during the 1960's accelerated the daily exodus from the town.

In 1967 the town voted not to make the state-mandated improvements to Brigham Academy and it was closed as a high school. The flow of students that had formerly brought prosperity and vitality to the village reversed course and left each week day for Enosburg, BFA in St. Albans or Essex. The academy building has been vacant since the new K-8 school was built in 1987.

Elise Wells in her history of Bakersfield (1976, pp 120-121) noted how "the automobile has changed many things... The cars whisk people off to work every morning... People used to sit on their porches to see their neighbors. Now, they look out at the forests and mountains behind their houses and have outdoor cookouts and picnics... There are two general stores where once there were five, but you can buy many things you never could before and at fairer prices... The town had two doctors. Now townsfolk go to the two hospitals in St. Albans..."

Even though the population has doubled since the 1970's, commercial activity in the village is limited, mostly to support commuters and weekend recreation. There are two convenience stores with limited takeout, one of which has gas pumps, two car repair shops, and a sales and service business for recreational vehicles.

Most community activities are focused on fund raising and take place in the school cafeteria/gymnasium. The town meeting luncheon and bereavement receptions are held in the Historical Society building. For many years the fire department has sponsored Homeland Days in September with a parade down Main Street that is

followed by a chicken barbecue, musical entertainment, cow plop, and games on the B Brigham lawn. This year the town is sponsoring Bakersfield's own 4th of July celebration with activities on the village green, street dancing and fireworks by the town garage.

Most of the population growth since the 1970's has occurred in the rural areas of town especially to the north and east of the village. The improved highways that enabled long time Bakersfield residents to leave the town for better jobs, goods and services also provided urban dwellers in Chittenden County and beyond greater access to former farms and large tracts of woodland at a relatively low cost. Increasingly, due to recent price increases, landowners with timber and open land not enrolled in current use are selling lots for development.

Historic Resources

Historical cultural and archaeological resources are irreplaceable resources which provide a sense of continuity between the past and the present and help us identify who we are. It is important to preserve and promote these resources whenever possible.

The Bakersfield Historical Society was established in 1997 as a 501(c)(3) non-profit cultural and educational organization dedicated to community awareness and the preservation of Bakersfield's heritage. A grant from the Vermont Museum and Gallery Alliance guided the organization in developing a collection management policy to properly conserve its extensive archive relating to the people, places, things and events in Bakersfield. The Historical Society has the only existing comprehensive collection of Brigham Academy catalogues, programs, photographs, and literary publications. They reveal the quality and extent of the academy's curriculum and student activities including athletics, plays and musicals. The building is open on a regular basis from May to October or by appointment. The Board of Directors meets monthly to plan programs and exhibits that have included participation in the Vermont History Expo. It publishes four newsletters a year and depends upon memberships, donations and fundraisers to maintain its building for community use.

There are over 100 public buildings, houses and barns in the town of Bakersfield that are listed on the Vermont State Register of Historic Structures (as conducted in 1985). So far, two of these are listed on the National Register of Historic Places and one nomination is pending.

Brigham Academy (1995). The Brigham Academy Restoration Plan, completed in 1995, found that the building continues to be structurally sound and with proper

renovation would be appropriate for educational and community services, or



The Brigham Academy as it was constructed in 1879. Credit: Bakersfield Historical Society.

potentially elderly housing. So far, the clock/bell tower has been repaired and the roof replaced with grants from the Preservation Trust of Vermont/Vermont Division of Historic Preservation and the Vermont Housing and Conservation Board (VHCB), respectively. In 2003, voters approved the Brigham Academy agreement at a warned joint meeting of the Bakersfield Town and School district to renovate 75 percent of the building for school use and 25 percent for town use. The VHCB holds an easement to retain the front lawn of the Academy building as an open space including its alley of maple trees.

South Academy/St. George's Church (2001). Saving the South Academy/St. George's Church from demolition was the first project of the Bakersfield Historical Society. Taxpayers provided \$10,000 as seed money so that funds could be raised through grants (Preservation Trust of Vermont, Vermont Division of Historic Preservation, and the Vermont State Legislature via the Cultural Facilities Coalition) as well as a capital campaign to repair the hand-hewn post and beam structure and bell tower, replace the roof and chimney, upgrade the lighting and electrical systems, install a kitchen as well as a code compliant bathroom and handicapped ramp. The masonry on the main building still needs to be repaired and the newer bricks on the 1906 addition need to be replaced.

Hearse House (nomination pending). The Hearse House, owned by the Town and maintained by the Bakersfield Cemetery Commission, has been nominated by the UVM Historic Preservation Program for inclusion in the National Register of Historic Places. Reportedly it is a unique funerary structure; its elegant hearse carriage that was stored in the rear is on display at the Shelburne Museum. Currently its windows are broken and the beam between the front rooms and the rear garage needs to be replaced. The Cemetery Commission uses the space for storage of cemetery benches and urns; the mower is stored in the rear. One year high school students painted it as a Community Service project.

Other significant sites: Residents and visitors entering Bakersfield from the South on Rte 108 are welcomed to Bakersfield at the Fletcher line by an historic farm stead (see frontispiece). Two other barns reveal changes in agricultural technology that took place during the 19th and 20 centuries. Old Stage Road on the east is an ancient road that continues up Kings Hill past stone foundations to the District 9 School House.

A concentration of mostly historic village houses begins with the Daniel Dean place across from Larry's Tree Farm and continues north to the landmark federal brick houses at the four corners. To the east is a row of public buildings: Town Hall (1909) with its paneled and tin-clad interior, Congregational Church (1845) and South Academy (1840; remodeled 1906)/Bakersfield Historical Society. This road continues out to East Bakersfield and the historic Malone farm (1850, 1890). Cook Cemetery and more.

Main Street continues north on Rte. 108 past the village cemetery/hearse house/village common, the iconic Brigham Academy building (1879/1900) with its deep lawn and alley of maple trees. Across Main St. to the east is the town library (1950) as well as a row of mostly historic and well maintained private houses on both sides of the street. The

Methodist Church (1854) and the Hazeltine house (1800) mark the northern end of the historic village, yet a keen eye will spot other houses on the Vermont State Register on the east side of the road until its end at the Albert Brigham house at the fork. There are many historic farm houses, including two stone houses, the site of the former Johnson saw mill and more on the Joyal and Witchcat roads. There are many historic farms and barns along Egypt and Lawyer roads as well.

There are many other historic buildings and landmarks in Bakersfield not included on the historic register. Smaller landscape features that often go unnoticed are increasingly considered of historic value and importance. These include old barns and outbuildings; stone walls, corner stones, markers, and “witness trees;” and old apple orchards and lilac bushes planted around former homesteads, and clumps of orange day lilies. These features say as much about the region’s rural and agricultural heritage as many of its more readily recognized historic landmarks, but are often disturbed, removed or demolished without any thought. Recognizing the need for more public education, the Vermont Department of Forests, Parks and Recreation in 1994 published *Stonewalls and Cellarholes: a Guide for Landowners on Historic Features and Landscapes in Vermont’s Forests*.

In 1990 a study conducted by UVM’s historic preservation program found that incremental changes over time, including cumulative alterations to historic structures, and the abandonment, deterioration and demolition of outbuildings and barns, had a profound impact on historic character and significance. They noted that the removal of agricultural buildings in particular suggested the failure to connect the preservation of buildings with the preservation of rural and community character. In Bakersfield, many historic homes and farms are under private ownership. There is currently little incentive or financial assistance to encourage the preservation of these structures. While the Vermont Division of Historic Preservation does offer grants of up to \$10,000 for the restoration and repair of historic agricultural buildings, the requirements of the grant program seem to outweigh the benefits for many private landowners.

Archaeological Resources

Archaeological resources provide evidence of human habitation dating from prehistoric times. A number of important archaeological sites have been found in Northwest Vermont. These include evidence of several types of prehistoric habitation and use, including villages, hunting and fishing camps, trails and trade networks, and burial grounds. Other archaeological sites include remnants of historic settlement and use, such as old foundations and cellar holes; quarry, mill, kiln and foundry sites, and unmarked cemeteries and roads. Although these sites are often buried and no longer visible on the land, they are nevertheless important for the story they tell of the collective past of the area.

The Division for Historic Preservation maintains listings of known archaeological sites within the state, which is made available on a “need to know” basis in order to protect their integrity. As of 1995, 312 recorded archaeological sites were identified in Franklin County. This figure likely represents only a small fraction of all significant sites in the

region, since intensive investigation of site locations has not been undertaken. Archaeological sites are protected under state and federal law, including Act 250, the Vermont Historic Preservation Act (22 VSA, Chapter 14), and under Section 106 of the National Historic Preservation Act.

For planning purposes the Division has identified more broadly defined “sensitive areas,” using modeling based on known site conditions, in which archaeological sites are known or expected to occur. These include a 200 foot buffer along all major rivers and tributaries in the region, particularly in the vicinity of major confluences, and the Lake Champlain shoreland, which is considered highly sensitive. Development in known or anticipated sensitive areas should be reviewed with particular attention given to the possibility of buried sites. Vermont’s Archaeological Heritage, prepared for the Division of Historic Preservation in 1988, estimates that most of Vermont’s archaeological sites have not yet been found. A Predictive Model, developed by the State Agency of Transportation, has greatly improved the ability to predict where historic and prehistoric sites are likely to be found.

In Bakersfield, the Kings Hill area in the southeastern portion of town has a notable number of cellar holes and stone foundations along Stage Coach Road and at the junction with Kings Hill Road. These sites provide intact archaeological evidence of a 19th century community that is described on 1857 Wallings Wall map and 1871 Beers Atlas. This area includes the high fieldstone wall of the C. Bessey stage coach inn and the foundation of Betsey and Timothy Carroll’s farmstead (Betsey Carroll’s papers are in the Vermont Historical Society Collection). In this same vicinity, the District No. 9 schoolhouse still stands intact, and serves as a camp to a local forester. On Kings Hill Road is the complete farmstead in fieldstone foundations of Lucien Wells including farmhouse, barn, silo, and a well.



The former District No. 9 schoolhouse is evidence of the settlement that was once in the King’s Hill area. Credit: Nancy Hunt

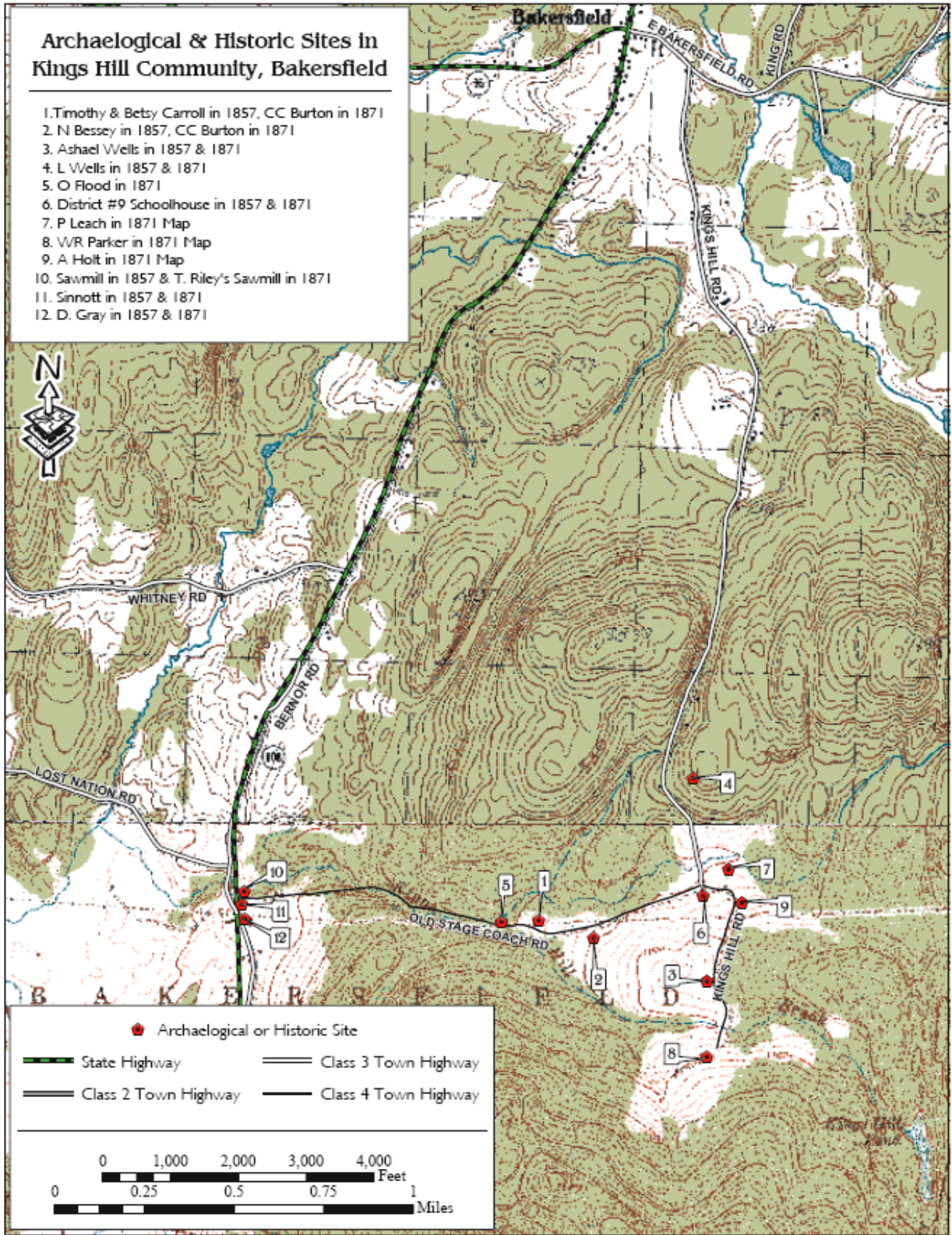


Figure 3.2. Archaeological and Historic Sites in the King's Hill Area.

There are also anecdotal accounts of cellar holes and other artifacts in the area of East Bakersfield and Sornborger Place, but they are not as significant as the Kings Hill area. The Sornborger papers are available in the “Special Collections” at the University of Vermont.



Evidence of the Wells farmstead built ca. 1845 and burned in 1934 can still be found in the King’s Hill area. Credit: Bakersfield Historical Society

Goals:

- To preserve important historic and archaeological resources in Bakersfield
- To recognize and respect Bakersfield’s rich history in decisions regarding land use and development

Policies:

- Protect sites of archaeological and/or historical significance
- Encourage the adaptive reuse of the Brigham Academy and other historic buildings to meet the needs of the Bakersfield community.
- Encourage efforts to secure grants and raise funds for the preservation of historic and archaeological resources
- Identify sites of potential archaeological and/or historical significance, and produce a document and map that locates and describes these sites
- Encourage appropriate design and land use compatible with the historic character of the village
- Encourage the planting of trees in the schoolyard and parks, and throughout the town.

Chapter 4. Utilities, Facilities and Services

Facilities and services are provided by a municipality for the benefit of its residents and are supported by the community as a shared responsibility. In a small, rural community such as Bakersfield, the ability to provide a broad range of municipal services is limited. However, with continued growth and development there is increasing demand for these services. To address this demand, the town plan includes a goal of establishing public policies that balance development with the town's ability to provide services. These policies may include controlling the timing of development so that town services can keep pace.

Municipal Utilities and Services

Municipal Water

Bakersfield has a municipal water system, under the jurisdiction of Fire District #1, located on Kings Hill southeast of the village. There is a 120,000-gallon concrete reservoir located northwest of the village. Access to the municipal water system is limited to the village. In order to continue to meet demand, the Fire District has identified a need for an additional well and pump for the water system. In 2007, the Fire District raised their rates in order to cover the cost of this upgrade. It is the goal of the Fire District to ensure a safe and unchlorinated water supply.

The Bakersfield Zoning Bylaws designate a protective zone, the “Aquifer Overlay District” around the source of the municipal drinking water supply. This zone is consistent with the source water protection area identified by the state of Vermont Drinking Water Supply Division. No new construction is permitted in this district in order to protect the quality of the community drinking water.



The Methodist Church (1854), a well-preserved historic building, is at risk because it lacks sufficient land for a septic system as well as space for parking.

Credit: Nancy Hunt

Sewage

There is no municipal sewer system in Bakersfield and disposal is handled through individual septic systems. Presently there are no plans for a municipal sewer plant due to the expense and the population size in Bakersfield.

Sewage disposal is an issue for the town hall, historical society, and congregational church. In 2002, the historical society upgraded the septic system on property owned by the school. The condition of the system serving the Town Hall is unknown at this time. The lack of sewage disposal facilities has been and continues to be an

impediment to appropriate commercial development, such as restaurants, in the village district. As technologies improve, the town of Bakersfield should continue to explore opportunities for shared wastewater systems within the village core.

Solid Waste Management

Bakersfield is a member of the Northwest Vermont Solid Waste Management District (NWSWD), which has a regional solid waste management plan and a certified regional facility. The Northwest Solid Waste District sponsors many activities such as “special collections” (bulky items, scrap metal, and tires) and Household Hazardous Waste (HHW) collections (oil based paints, solvents, cleaners, pesticides, and other chemicals that would be harmful to the environment if not handled properly). The district operates a drop off site at the Bakersfield Elementary school every other Saturday morning.

One goal of the District is to make solid waste disposal as convenient as possible for residents so that compliance with the regulations are high. By making pick up and drop off of garbage easy and recycling free, there should be less incentive to dump or burn garbage illegally. The special collection of bulky and hazardous materials keeps these materials out of the waste stream and disposed of properly. The state of Vermont has set a goal of reducing the amount of waste needing disposal by 50 percent. In order to help meet this goal, the district has adopted regulations making it mandatory in district towns to separate certain recyclable materials from waste going to landfills.

Fire Protection and Emergency Rescue

Bakersfield is served by a volunteer fire department that includes a First Response Program. There are approximately 28 volunteer members who serve on the fire department, including first responders. The equipment consists of a 1989 Pumper, a 1997 Tanker/Pumper and a 1989 Rescue Truck. Both the Pumper and the rescue truck are in need of replacement. Thanks to federal and state grants, the department was able to upgrade personal protection gear including SCBA air pack devices in 2005. In order to continue to meet the needs of the Bakersfield community, the Fire Station needs to be upgraded and expanded in order to make the truck bays larger to accommodate bigger vehicles.

The town of Bakersfield has an agreement with Enosburgh Ambulance Services for emergency response service. In 2006, they responded to 46 calls from Bakersfield.

Bakersfield has a Rapid Response Plan to help organize the town in case of an emergency. The Rapid Response Plan contains basic emergency preparedness essential for responding to local emergencies. It includes critical phone numbers, contact persons, and critical facilities. The town of Bakersfield is also a member of the Franklin County Mutual Aid Agreement. This is a formal agreement among the municipalities and emergency first responders within Franklin County to lend resource assistance across jurisdictional boundaries when required; either by an emergency that exceeds local resources or a disaster. The Agreement helps the town achieve compliance with the National Incident Management System (NIMS) strategy.

Police Protection

The Vermont State Police (VSP) is the primary law enforcement agency responsible for public safety in Bakersfield. In 2006, VSP reported responding to 107 cases in Bakersfield, including ten accidents, five acts of vandalism, and five burglaries that resulted in a total of seven arrests. As in many rural communities, the level of police protection is a concern in Bakersfield. Because of the limited service, response times can be long.

Telecommunications

Access to telecommunication services, including high speed internet and cellular phone service are important not only to the quality of life for residents of Bakersfield, but for economic development as well. Under Governor Jim Douglas, Vermont is pursuing a course to become the first “e-state,” in which universal cellular and broadband coverage will be available throughout the state by 2010. Such advances in telecommunication technology have the potential to significantly impact the local economy in rural communities such as Bakersfield, as they allow more residents to telecommute and may enable more people to live further and further from population centers.

Municipal Facilities

The public facilities of Bakersfield include the Bakersfield Elementary and Middle School, the presently empty Brigham Academy and its front lawn, the Town Hall, the Volunteer Fire Department garage, the town garage, cemeteries, and two recreational fields. Within the village are also a post office, two churches, the HF Brigham Memorial Library, and the Bakersfield Historical Society building (Figure 4.1).

Town Hall

The Bakersfield Town Hall was constructed in 1909. The building provides office space for the Town Clerk, Treasurer, Listers, and Zoning Administrator, and has a community meeting space. The second floor of the town hall has an auditorium, stage and kitchen and serves as the town teen center. The stage had a painted curtain which is now at the Vermont Historical Society.



The Town Hall is used each year for Town Meeting, when residents come together to vote and make important community decisions. Credit: Nancy Hunt

Town Garage

The Bakersfield town garage houses the town’s road equipment, including three snow plows, a 1997 dump truck and a 2004 dump truck, a 1997 4x4 pick up truck, a 1999 Front End Loader, a 1990 Grader, a dump truck and a bulldozer/15 ton excavator. The town garage provides adequate facilities and no major improvements are planned for this facility.

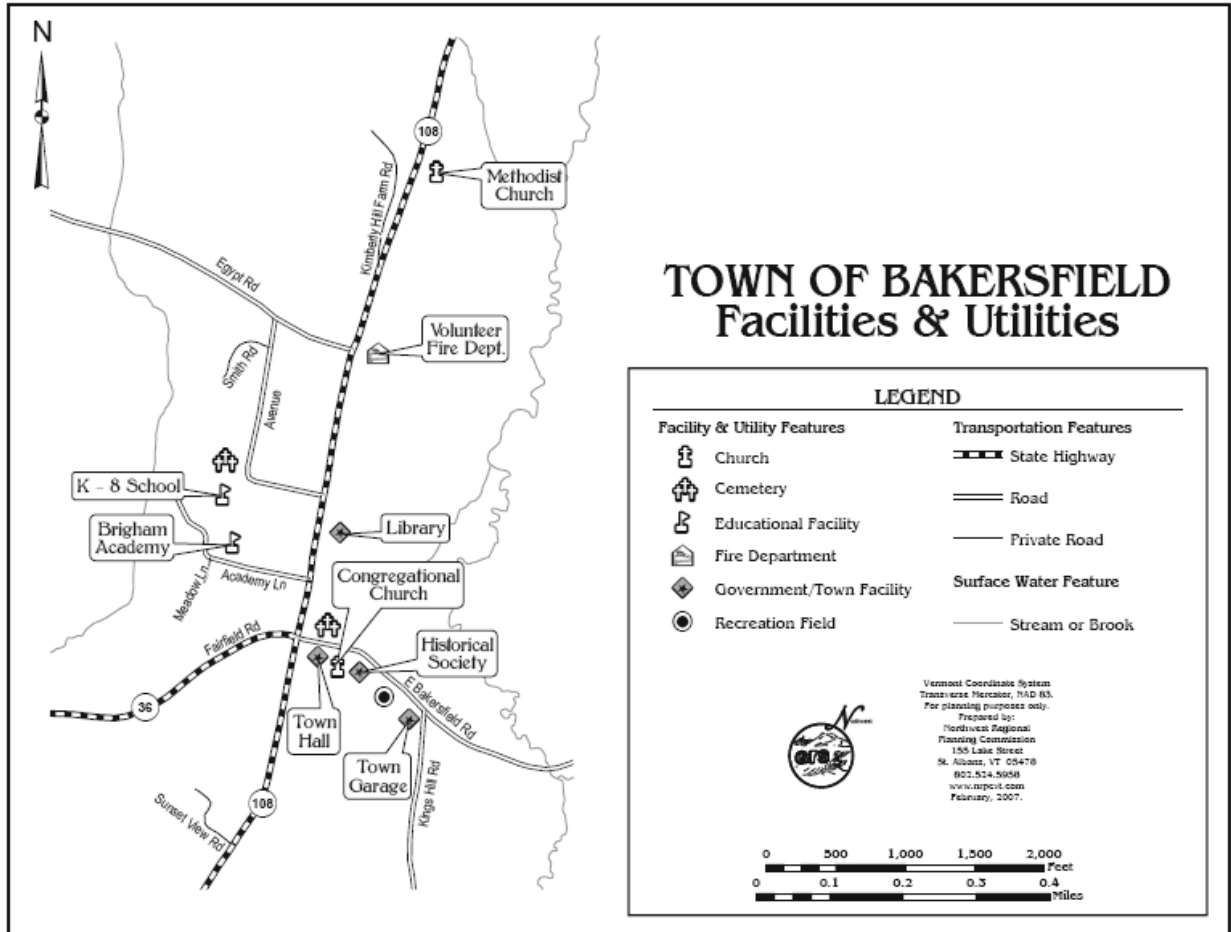


Figure 4.1 Municipal Facilities and Utilities

Brigham Academy

The Brigham Academy, though vacant for the past 20 years, has the potential to be a significant public asset. This building is under the ownership of the Bakersfield school district. A study in 1995 found the building to be structurally sound and noted the potential for adaptive reuse of the building as an educational facility, senior housing or for other community use. Under a current agreement with the Vermont Housing and Conservation Board, any rehabilitation of the building should provide for 75 percent school use and 25 percent community use, however it may be possible to renegotiate this agreement to allow for affordable or senior housing.



The Bakersfield Sidewalk Committee is planning a new sidewalk to connect the Brigham Library to the School and Bakersfield Village. Credit: NRPC

H.F. Brigham Library

The H.F. Brigham Library is located in the center of the village on the east side of Main Street across from the Brigham Academy. In 2006, the library hosted more than 150 events with more than 1,100 attendees.

Recreation Facilities

Currently, public outdoor recreational facilities available in Bakersfield are limited to the recreation fields associated with the school. This includes a well-equipped little league field, soccer field, basketball court and a playground. These

facilities represent the efforts of many volunteers in the community. The privately owned Bakersfield Country Club provides golfing facilities to the public.

Currently there is no adequate indoor public space that is handicapped accessible and available throughout the week for townspeople for all ages. The school gymnasium with its kitchen facilities is used extensively on weekends for community events. The one handicapped bathroom is in the main part of the building and is not available.



The Bakersfield Post Office is situated in the heart of the village.

US Post Office

While it is not a municipal facility, the Bakersfield Post Office is an important asset for the village of Bakersfield and provides an informal meeting spot for members of the community to interact.

Bakersfield Historical Society

The Bakersfield Historical Society occupies the St. George's Church, the oldest public building in Bakersfield. The building is open to the public on a regular basis from May to October and by appointment throughout the year.

Although the Bakersfield Historical Society's building is handicapped accessible with a bathroom and kitchen that is potentially available throughout the week, there is no

public funding for its supervised use and maintenance. The Board of Directors, however, has made the facility available to the community whenever possible for bereavement luncheons, meetings, charitable events, school programs, the town meeting luncheon, as well as their own programs and fund raisers.



The Bakersfield Historical Society provides a venue for a variety of community events throughout the year. Credit: Nancy Hunt.

Churches and Cemeteries

The churches and cemeteries of Bakersfield are important resources for the town. The United Church of Bakersfield and East Fairfield serves the congregations of three church buildings: the Congregational (1850) and Methodist (1854) churches in Bakersfield and the church in East Fairfield. In addition, the Congregational Church in Bakersfield is governed by its own board of trustees and manages its own endowment. The parishioners hold services in all three buildings during the course of a year.

The Cemetery Commission manages the Maple Grove Cemetery and Park, a 5 acre burial ground in the center of the village that was deeded to the town in 1804. Residents at the time of their death are entitled to a free plot. Its maintenance budget is based on income from endowments and gifts. While the cemetery provides green space in the center of the village, it does not serve as a true village commons because its use is limited to activities approved by the Cemetery Commission. The war memorial, benches, and flower gardens are an asset to the village center. The cemetery commission currently uses the hearse house for storage, but the building is in need of repair.

The second cemetery in the village is located at the west end of the Avenue. It is owned and operated by the Catholic diocese. A third cemetery is in East Bakersfield and is closed. It is maintained minimally by the town as required by state statute.

Goals:



Local volunteers help to repair the cemetery stones with the help of the Vermont Old Cemetery Association.

- To provide municipal services and facilities that adequately protect the health, safety and welfare of the people of Bakersfield
- To provide for the physical safety of residents with high quality fire, emergency medical, and law enforcement services
- To promote communication of Bakersfield residents with each other and with a wider community
- To provide code- compliant interior spaces that support community activities

Policies:

- Look ahead and predict the town's future needs in regard to public facilities and services based on patterns of growth and development
- Consider other growth control measures, including development of a capital budget, a yearly limit on the maximum number of building permits, and phasing of building construction, to reduce the impact of development on municipal services
- Identify equipment and facilities that need to be upgraded and develop methods of financing the replacements.
- Evaluate the extension of municipal services based on system adequacy and fiscal feasibility
- Explore opportunities to coordinate in the provision of septic services for buildings within the village core
- Consider if and when a municipal wastewater system would be appropriate and cost effective to service the village area
- Ensure that the municipal water system continues to provide adequate, healthy, clean drinking water for village residents and that the water supply remains public and is not privatized
- Identify and pursue opportunities for funding to enhance police protection in Bakersfield
- Continue to recruit and train volunteers for fire and emergency services
- Consider opportunities for the adaptive reuse of historic buildings
- Provide adequate recreational facilities to meet the needs of community residents
- Encourage intergenerational programs that promote healthful living
- Restore the Brigham Academy building to serve as a multi-purpose municipal facility for education, senior/affordable housing, recreation, and/or other community use
- Ensure that designated emergency shelters are accessible and properly equipped.
- Continue to provide library services that meet the needs of the community
- Support efforts to educate residents about solid waste disposal options, currently available through NWSWD, in order to reduce junk and hazardous materials from being disposed of improperly
- Prohibit the unregulated storage of junk cars and other waste on properties in Bakersfield and require clean-up of existing sites
- Consider the establishment of a transfer station for processing junk vehicles for transportation to a local, permitted junkyard

- Encourage the Selectboard to adopt municipal ordinances to enforce the clean up of junkyards and other “quality of life” issues, such as farm animals in the village, noise pollution, etc.
- Support the enhancement of the telecommunications network when such facilities do not have significant adverse health, environmental or scenic impacts
- Establish and maintain a website that provides information on Bakersfield town governance and a calendar of town activities
- Support the retention of the US Post Office in the village

Chapter 5. Transportation

Bakersfield lies approximately 14 miles east of Interstate 89 (Exit 19) and is easily accessible by VT Route 36. The village is bisected by VT Route 108, which provides a connection to Enosburg to the north and through Fletcher to Jeffersonville to the south. As is the case with many rural communities, Bakersfield residents depend greatly on privately owned motor vehicles and the local road network for access to jobs, goods and services. Providing a safe and efficient transportation system that will meet the residents of Bakersfield now and into the future will require thoughtful planning. Such a system will provide a variety of transportation options beyond motor vehicles. In developing this plan, it is important to recognize that transportation is inter-related with many other sections of this plan, including land use, energy, recreation, and housing.

Travel to Work

On average, workers in Bakersfield traveled 32.6 minutes to get to work in 2000 (Table 5.1). This commute is somewhat longer than the average in Franklin County (25.6 minutes). Between 1990 and 2000, the most significant increase was seen in Bakersfield residents commuting 20-29 minutes, while decreases were seen in the percent of people commuting 10 minutes or less.

Table 5.1: Commuting Time to Work (1990 – 2000)

	Bakersfield				Franklin County			
	1990		2000		1990		2000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Minutes to Work								
less than 10 minutes	58	12.78	54	9.80	4344	25.06	4,604	21.6
10 – 14 minutes	35	7.71	22	3.99	2441	14.08	2,691	12.6
15 – 19 minutes	33	7.27	45	8.17	2259	13.03	2,304	10.8
20 – 29 minutes	77	16.96	142	25.77	2228	12.85	3,122	14.6
30 – 44 minutes	104	22.91	127	23.05	3660	21.11	4,925	23.1
Greater than 45 min.	147	32.38	161	29.22	2404	13.87	3,678	15.1
Mean travel time to work	31		32.6		21.6		25.6	

Source: US Census of Population 1990 and 2000

Table 5.2: Work Destinations	
Destination	Percent (%) of Bakersfield Workers
<i>Total Franklin County</i>	<i>65.10</i>
Bakersfield	19.30
St. Albans City	20.47
Enosburg	8.22
Richford	2.01
Berkshire	0.34
Swanton	3.19
Other Franklin County	11.58
<i>Total Chittenden County</i>	<i>24.50</i>
Essex	8.56
Burlington City	5.37
South Burlington	2.68
Williston	3.36
Other Chittenden County	4.53
<i>Total Lamoille County</i>	<i>7.89</i>
<i>Total Addison County</i>	<i>0.67</i>
<i>Total Caledonia County</i>	<i>0.17</i>
<i>Total Grand Isle County</i>	<i>0.34</i>
<i>Total Washington County</i>	<i>1.01</i>
<i>Total Clinton County, NY</i>	<i>0.34</i>
Source: US Census, 2000	

According to the 2000 Census, the majority of Bakersfield residents are working within Franklin County (Table 5.2). Approximately one quarter are commuting to Chittenden County.

In 2000, 77 percent of workers in Bakersfield drove to work alone using either a car, truck, or van (Table 5.3). This figure was higher than in 1990 (64 percent). The proportion of Bakersfield residents who worked at home remained steady from 1990 to 2000 and is higher than in Franklin County as a whole. A disturbing decline in the use of carpooling has occurred in Bakersfield from 1990 to 2000, but the reason for this decline is unknown.

Table 5.3: Transportation Type Used in Commuting to Work				
	Bakersfield		Franklin County	
	1990	2000	1990	2000
Percent who drove alone	64.0	77.0	66.7	73.3
Percent in carpools	23.0	12.0	17.4	16.5
Percent using public transportation	0.0	0.0	0.6	0.2
Percent who walked or biked	4.0	2.0	0.7	0.4
Percent using other means	0.0	1.0	1.3	0.3
Percent who worked at home	8.0	8.0	7.3	5.5
Source: US Census of Population 1990 and 2000				

Town Road System

Vermont's local roads are classified according to their importance and general use. This classification system applies to all town highways, and is used to determine the amount of state highway assistance provided to each community. The Bakersfield road system is depicted on Figure 5.1.

<i>State/Federal Highways</i>	
U.S. Rt. 108	8.03
Vt. Rt. 36	2.51
<i>Town Highways</i>	
Class 1	0
Class 2	9.36
Class 3	32.08
Class 4	10.5

Table 5.4 shows the classification of roads in Bakersfield. Class 1 roads are those highways that are the responsibility of the town to maintain, while being extensions of the state highway system and carrying a state highway route number. Bakersfield currently has no Class 1 roads. The roads that are designated as Class 2 serve as important corridors between towns, and consequently carry a large volume of local and regional traffic. East Bakersfield Road and the Boston Post Road are both Class 2 roads. Many of Bakersfield's roads are considered Class 3 roads. These roads are

generally unpaved, but are passable year-round by standard passenger vehicles. Class 4 roads receive little or no maintenance and may be impassable during winter and "mud season."

The town of Bakersfield currently has an ATV Ordinance that allows ATVs on Class 3 and 4 Roads.

The most direct route between Bakersfield and communities to the east, including Johnson, is the Waterville Mountain Road. However, during the winter months, this road becomes impassable. The decision of whether or not this road should remain open year-round will likely be an important issue for the town in next five years. While this may be desirable for Bakersfield residents working in Lamoille County, there is also concern that opening up this road will create additional development pressure in the mountainous sections of Bakersfield. Keeping the road open and maintained would also require additional coordination between the town of Bakersfield and the town of Waterville in regard to plowing and maintenance.

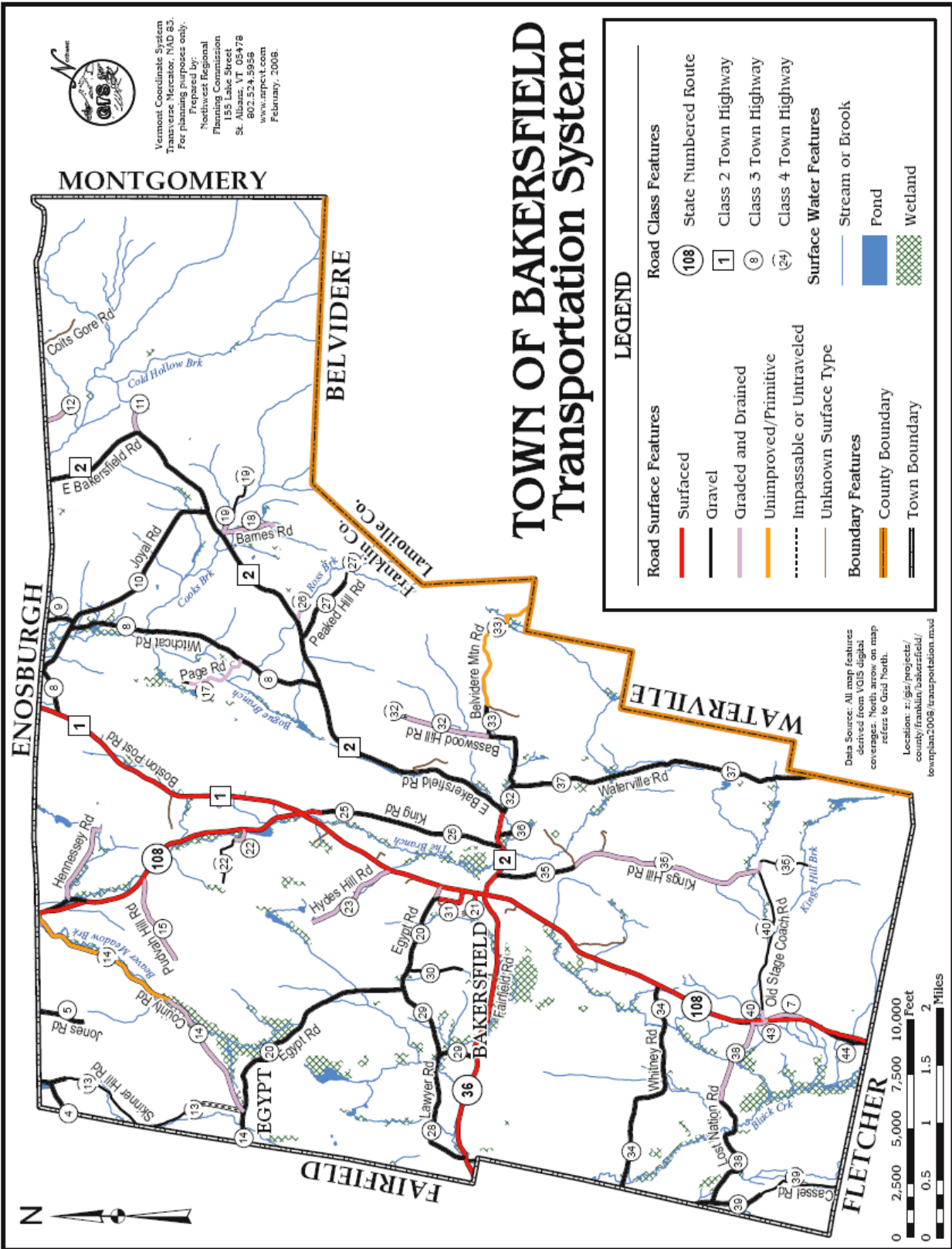


Figure 5.1. Bakersfield Transportation System Map

Public Transportation

The town of Bakersfield is not serviced by fixed public transit. The Northwest Vermont Public Transit Network (Network) offers public transit for Franklin County and Grand Isle County. The Network has established subscription service between Richford and St. Albans and a fixed route service known as the St. Albans City Loop. Elderly residents and those eligible for Medicaid may connect with subscription service by calling the Network.

Presently the nearest rail service for freight is in Richford (Canadian Pacific) and for passengers Amtrak's Vermonter stops in nearby St. Albans and travels south to New York City. The Chittenden County Transportation Authority (CCTA) offers regular bus service between St. Albans and Burlington twice each day Monday through Friday.

Burlington International Airport, approximately 45 miles to the southwest, is the closest airport with national and international connections. Trudeau and Mirabelle Airports are located several hours to the north in Quebec.

Pedestrian and Bike Facilities

In recent years, the town of Bakersfield has been planning for sidewalks in the village area. A 2004 feasibility study looked at ways to improve safety and mobility for pedestrians in the village area and connect the school, town hall, post office and library with residences and businesses along VT 108. In 2005, the town received a grant from the Vermont Agency of Transportation to design and construct 1,240 feet of sidewalk. The sidewalks will consist of three segments: along VT 108 from the Brigham Library to East Bakersfield Road, from VT 108 through the Brigham Academy property to the Bakersfield Elementary School, and along the west side of VT 108 in front of Brigham Academy across from the library. The project includes sidewalk construction, curbing, crosswalks, landscaping as needed, and signs. Construction of the sidewalk is expected in 2008-2009.

There are currently no specific bike trails or facilities available in Bakersfield. The Lamoille Valley Rail Trail is currently in the planning phase, however this is considered to be a recreational resource, rather than a meaningful transportation option.

Goals:

- To provide and maintain a safe, convenient, cost-effective, and functional transportation network for vehicular, pedestrian, and recreational use within the town
- To promote public transit and carpooling and to provide commuter parking

Policies:

- Assure the town's ability to provide public safety for any development by town regulation of all classes of roads, including access to private roads
- Maintain town roads according to a systematic review of condition and levels of use

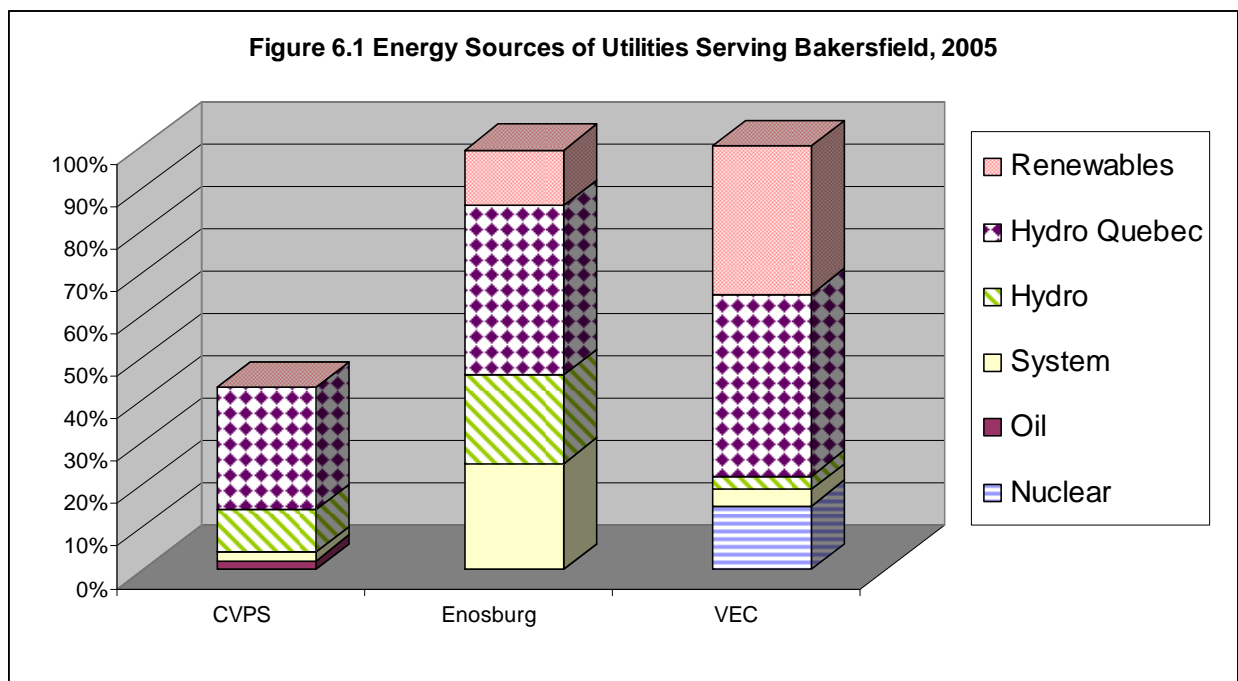
- Reclassify Class 4 roads, which are not expected to serve public uses for motorized traffic, to legal trail status so that they may continue to be used for recreational uses and the right of way kept for future use
- Ensure that Class 4 roads that are in public use are included in the town's VAOT General Highway map prior to February of 2009
- Conduct research to determine the location of unidentified "ancient" roads in Bakersfield and consider whether it is appropriate to retain them as public assets
- Provide road signs, where necessary, for safety and traffic control purposes
- Assess the traffic impact of any new development on local roads before granting building or subdivision permits
- Limit road or driveway extension into important resource areas, including critical natural areas, wellhead protection areas, large blocks of intact forest, and important agricultural lands
- Design all future roads, including culverts and ditching, that are to be taken over and/or maintained by the town to standards approved by the Selectboard
- Maintain the scenic character of the town's rural byways
- Participate in the Northwest Regional Planning Commission's Transportation Advisory Committee (TAC)
- Encourage the construction of sidewalks within the village, including the current Bakersfield Sidewalk Project, to provide improved pedestrian access and safety
- Reduce the speed limit to 25 miles/hour within the Village District

Chapter 6. Energy

While many of the decisions regarding energy production are made outside of the town, having reliable and clean sources of energy is critical to supporting a high quality of life in Bakersfield. Bakersfield residents can influence energy consumption with methods that range from personal decisions to buy energy efficient products to public policy decisions, such as the development of land use policies that encourage tighter settlement patterns, thereby reducing the amount of energy demanded by the transportation sector.

Electricity

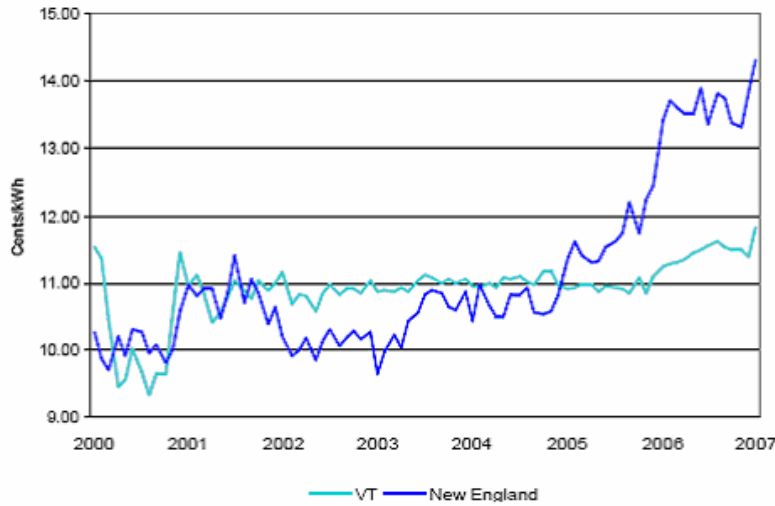
For electricity, Bakersfield is served by three public utilities: Central Vermont Public Service (CVPS) Corporation, Enosburg Power and Light, and the Vermont Electric Cooperative. The sources of this electricity vary for each utility (Figure 6.1). Currently, the electric utilities provide power sufficient to meet anticipated needs.



Source: <http://publicservice.vermont.gov/pub/other/utilityfacts2006.pdf>

Vermont's electrical rates have generally stayed stable over time and have not experienced the same sharp increases seen elsewhere in New England (Figure 6.2). The price stability in Vermont is largely due to the fact that the two largest sources of power, Hydro Quebec and Vermont Yankee have been under long-term contract. However, Vermont Yankee's license will expire in 2012 and contract with Hydro-Quebec will expire in 2012 and 2015. Thus, in the next 5 years Vermonters, including the residents of Bakersfield, will likely be facing important decisions regarding the sources and costs of electricity.

Figure 6.2 Average Electrical Rates in Vermont vs. New England, 2000-2007



Source: <http://publicservice.vermont.gov/pub/other/utilityfacts2006.pdf>

Heat

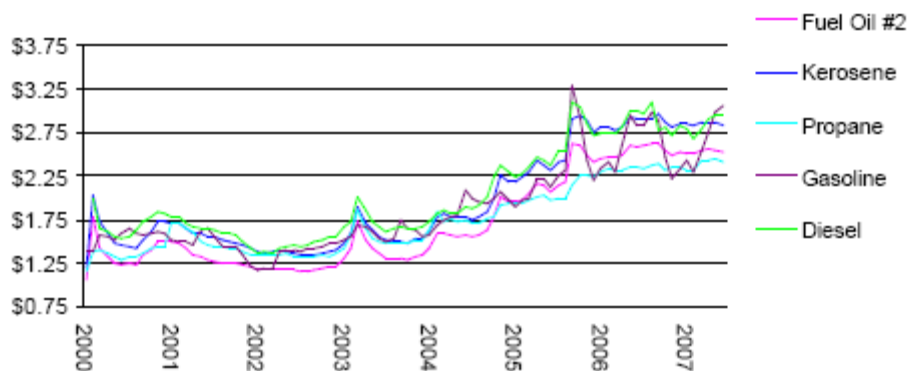
In the northern climate of Vermont, a significant amount of energy is used for heating homes and buildings. According to the 2000 US Census, the majority (56 percent) of Bakersfield residents relies on fuel oil or kerosene to heat their homes (Table 6.1). Nearly a third of residents (28 percent) rely on wood as a primary source for home heating.

	Bakersfield	Franklin County	Vermont
Utility Gas	1	21	12
Bottled/Tank/LP Gas	14	14	14
Electricity	0	3	5
Fuel Oil/Kerosene	56	53	59
Coal/Coke	1	0	0
Wood	28	9	9
Solar	0	0	0
Other	0	0	0

Source: US Census, 2000

Data available at the statewide level show the increase in heating fuel costs in recent years (Figure 6.3).

Figure 6.3. Average cost for heating fuel in Vermont, 2000-2007



Source: <http://publicservice.vermont.gov/pub/other/utilityfacts2006.pdf>

Energy Conservation

At the local level, energy conservation concerns generally fall into four categories: energy efficiency of town-owned or town-maintained buildings, promotion of energy conservation techniques for residences and businesses, efficient development patterns, and reducing energy used for transportation.

The town of Bakersfield can take the lead in promoting energy conservation by replacing fixtures and components in public buildings with energy efficient units that can save the municipality money in heating and lighting, while helping to protect the environment. The town can also work with utilities to promote energy conservation programs aimed at residences and businesses, to reduce energy demand, save money, and preserve natural resources.

Energy efficient development means more than just well-constructed buildings utilizing the best technology. The town can also promote energy conservation and efficiency through development controls. Subdivisions and developments in the town that come under Act 250 review are required "to reflect the principles of energy conservation and incorporate the best available technology for efficient use or recovery of energy." At the local level Bakersfield can encourage efficiency by promoting compact patterns of development. Development that is clustered together provides for greater efficiency because fewer miles of road are needed to connect the homes or commercial buildings, school buses and snowplows travel smaller distances, and electric utility lines need not extend as far. In addition, other public services such as fire and ambulance, water, and sewage treatment, should it become a municipal service, are all made more efficient by "well-planned" new development. Carefully considered placement of a building on a lot adds to the efficiency of any new development by increasing passive solar gain and decreasing heat loss by wind.

Bakersfield residents and businesses are eligible to participate in energy efficiency programs available through Efficiency Vermont, our state-wide program of energy efficiency services, funded through an energy efficiency charge on electric bills. Efficiency Vermont has developed “Energy Savings Calculators” that allow homeowners to identify opportunities for conservation. It also provides information on efficiency upgrades and building practices, as well as offering rebates for the purchase of efficient lighting and appliances. Efficiency Vermont also offers conservation services to businesses and dairy farms. In addition to services provided by Efficiency Vermont, low income residents may also be eligible for free weatherization services available through the Champlain Valley Weatherization Service.

Transportation

While the clustering of development helps decrease transportation costs, it is not the only answer. Most residents travel to Enosburg, Swanton, St Albans, or Chittenden County for employment, entertainment, medical needs, or supplies. Car-pooling is beneficial for these residents not only because it conserves fuel, but also because it reduces wear and tear and maintenance costs on individual vehicles.

One important component of any car-pooling program is the provision of a location where car-poolers can leave their vehicles. Currently, there is no formal designated "park and ride lot" in Northern Franklin County. The closest lot designated by the state of Vermont is in St. Albans on VT Route 104.

Renewable Energy and Local Supply

Local energy sources include wind, solar, biomass hydro, and geothermal. Utilizing these resources has the potential to bolster the local economy, reduce dependency on foreign energy sources, and lessen the environmental impact as compared to using fossil fuels.

Wind power

Wind energy offers the prospect of providing electricity with greatly reduced effects on air pollution compared to conventional generation methods. New, highly efficient technologies are now available to harness wind to produce power that is a viable alternative to other, more traditional sources of power. Despite the fact that wind energy is clean and a relatively secure fuel source, the siting of wind turbines has raised questions about aesthetic impacts, noise, and effects on wildlife. It is the intent of this section, to provide developers, regulators, and landowners with an understanding of the sensitive nature of the placement of wind energy facilities and the statutory review process they undergo.

Wind generation facilities are land uses subject to local and/or state permitting requirements. Power generation facilities, as well as distribution lines that are connected to the power grid, are subject to review and approval by the Vermont Public Service Board (30 VSA Section 248) and are therefore preempted from municipal review. Under this law, prior to the construction of a generation facility, the Board must

issue a Certificate of Public Good. A Section 248 review addresses environmental, economic, and social impacts associated with a particular project, similar to Act 250. In making its determination, the Board must give due consideration to the recommendations of municipal and regional planning commissions and their respective plans. Accordingly, it is appropriate that this Plan address these land uses and provide guidance to town officials, regulators, and utilities. Smaller wind generation facilities set up solely for owner consumption of power on-site and that are not connected to the power grid are, within the jurisdiction of local zoning regulations.

While the benefits of wind power are substantial, the location of utility-scale wind energy turbines and associated facilities can adversely affect scenic, natural, and historic resources. Much like other power generation facilities, not all wind generation sites are appropriate to every setting. Although currently critical to commercially viable wind generation sites, ridgelines are the more visible portions of the region's landscape and aesthetically valued by many. Both the Vermont Environmental Board and the Public Service Board have identified upland areas and ridgelines as having particularly sensitive landscapes.

Solar Energy

Solar energy has potential for providing clean, reliable, and safe energy, even in Vermont's climate. The application of both active (systems that collect, store, and distribute solar energy within a building) and passive (systems that utilize a building's structure to trap sunlight and store it as heat) solar technologies have demonstrated their cost effectiveness in Vermont.

In Vermont, solar-tempered buildings should have their long axis oriented within 30 degrees of true-south and have an unobstructed net south facing window area equal to at least 7 percent of total floor area. Solar tempering, coupled with proper insulation, can offset heat costs in a building by up to 50 percent (U.S. Department of Energy, Energy Efficiency and Renewable Energy, 2005). Although solar tempering at initial construction generally requires no additional investment, experts state that a majority of new buildings in Vermont do not incorporate such design principles.

Methane Digestion

In Vermont there is great potential for anaerobic digestion and methane recovery as an energy source from a variety of sources including manure, industrial waste, and solid waste. Specifically, the number of methane digesters on farms is growing in Franklin County as dairy farmers are recognizing not only the energy potential, but environmental and economic benefits as well. Bakersfield saw the construction of its first farm methane digester at the Gervais Family Farm in 2007. While this technology is currently most suited to large dairy farms (500 cows), on-going research seeks to adapt the technology to meet the needs of smaller farms. Customers of CVPS can support methane projects by enrolling in the "Cow Power" program, a voluntary program through which customers can opt to pay an additional charge to fund these projects.

Biomass

According to the Vermont Department of Public Service, Vermont is a national leader in the research, development, and commercialization of wood energy, in particular the clean combustion of wood chips for heat and electricity production. Virtually all of Vermont's wood chip usage comes from mill wastes or sustainably harvested chips from low quality trees. There are four types of biomass energy applications that the Vermont DPS has been working on (Vermont Department of Public Service, 2007):

- Biomass district energy: Providing heat and/or electricity from a central source to a number of buildings, for example in an office complex, campus, or village center
- Heating schools with wood chips: There are now 31 Vermont schools that heat with clean, efficient wood chip systems, including two in Franklin County.
- Industrial and commercial applications: Efficient wood chip systems have been used in a variety of industrial and commercial applications, from housing projects to sawmills.
- Vermont Gasification Project (VGP): This project aims to demonstrate the process of biomass gasification at the McNeil Plant in Burlington.

Hydroelectricity

Vermont's waterways have long played an important role in the state's energy portfolio. Currently seven to ten percent of Vermont's power comes from in state hydropower sources (Vermont Energy Partnership, 2007). Hydroelectric generators offer environmental benefits in terms of air quality and emissions, but large dams can have significant impacts on rivers and streams. However, small-scale hydroelectric generators, often referred to as "micro-hydro," may provide a viable, low impact source of local, renewable energy. These projects often face a number of significant permitting challenges that may limit their feasibility or cost-effectiveness. The state of Vermont is currently considering opportunities to reduce these permitting hurdles and promote the installation of appropriately-sited small-scale hydro projects.

Geothermal

Geothermal energy is produced from the constant temperature of the earth. Using a geothermal heat pump it is possible to pump the heat from the ground into a building during the winter, and transfer the heat out of the building and back into the ground during the summer. Thus, geothermal energy can be used for space heating and cooling, and hot water.

Goals:

- To promote energy efficiency, availability, and affordability through conservation and sustainable management of renewable energy resources
- To ensure public health and safety, aesthetic and environmental quality through the most efficient and environmentally sound use of energy
- To support renewable energy systems that are appropriately sited and scaled and which are consistent with the environmental, aesthetic and cultural values of Bakersfield

Policies:

- Consider and promote energy efficiency as a factor in all new construction or reconstruction of public, residential, and community buildings
- Encourage conservation of fuel used for transportation by supporting local and in-home businesses, residential development near the village center, clustering of buildings in planned unit developments, car-pooling and improved efficiency of municipal vehicles
- Install signs at the Post Office, Town Hall, and other public buildings encouraging residents not to idle their vehicles
- Solicit advice from organizations that provide consumers with information on how to become more energy efficient.
- Encourage the development and use of renewable sources of electricity
- Encourage local and renewable resources for heating, including wood heat from clean burning wood stoves
- Minimize visual effects of electrical generation, transmission, and distribution facilities
- Promote state and regional mass transit programs to serve Bakersfield

Chapter 7. Education and Childcare

Caring for and educating our children is a high priority for the town of Bakersfield. The town has a strong history as a center for academic excellence. Today, approximately one third of Bakersfield’s population is below the age of 18, and providing a high quality education and safe and accessible facilities continues to be a priority for the community.

It is the towns’ responsibility and in its best interest to provide for the education of its school population without overcrowding, inefficient division of basic education facilities, or reduction in the quality of its educational programs. Through careful planning and growth management, the town can ensure that it is able to continue to provide high quality education to our children.

Childcare Services

Bakersfield has become primarily a bedroom community to the surrounding towns and cities. Therefore, finding high quality and affordable childcare is a growing concern for existing and prospective families. A 2005 Legislative Report from the Vermont Child Care Advisory Board reports that the average cost for center-based care in Vermont is \$140.92 for infants and \$125.71 for preschoolers per week. Statewide, more than 27 percent of low-earning families spend more than one fifth of their income on childcare.

Many child development experts believe that children often do not have the maturity and self-care skills to be left unsupervised until the age of 12. The 2000 U.S. Census indicates that there are 247 children under the age of 12 currently living in Bakersfield. According to state data, Bakersfield currently has two registered childcare homes and two childcare centers, with a total capacity of 56 children. Data on other childcare

options, such as grandparents, siblings, stay at home parents, un-registered childcare homes or other opportunities is not available.

The population of children under the age of 12 in Bakersfield has slightly increased by approximately 20 percent from 1990 to 2000 (Table 7.1). However, without additional data on the vacancy rates of childcare facilities, as well as the quality and affordability of these services, it is difficult to assess the availability of childcare in our community.

It is also important to note that the childcare industry can contribute to the

Table 7.1: Number of Children in Bakersfield under the age of 12			
	1990	2000	percent change
Under 1 year	11	21	90.9
1 and 2 years	32	28	-12.5
3 and 4 years	30	48	60.0
5 years	23	25	8.7
6 years	16	16	0.0
7 to 9 years	58	73	25.9
10 and 11 years	35	36	2.9
Total	205	247	20.5
Source: US Census			

local economy by creating jobs and supporting a stable workforce. The accessibility, affordability and quality of health care may affect a parent's ability to enter and remain in the workforce and to be a productive employee.

K-8 Education

The Bakersfield Elementary School is on a site adjacent to the old Brigham Academy. Grades K-8 are given instruction in this building with the remaining grades enrolled at the high schools of neighboring municipalities.



Students load the bus at the Bakersfield Elementary School. Credit: Nancy Hunt.

The Bakersfield Elementary-Middle School is a wood frame structure. This construction was used to save money and time after the tragic fire that razed the K-4 elementary school in 1985. While the student population experienced in 1997 has diminished, the school has had to deal with space limitations. The school can accommodate approximately 165 students and has been at or near this capacity in recent years.

Table 7.2: Enrollment at the Bakersfield Elementary School

Academic Year	# Students Enrolled
1997-1998	196
1998-1999	173
1999-2000	172
2000-2001	175
2001-2002	178
2002-2003	176
2003-2004	173
2004-2005	167
2005-2006	167
2006-2007	159

There are no plans to expand the current school building. The wood construction doesn't allow for a second story on the building so any additions would have to be at ground level. Furthermore, if the building were to be expanded it would need to come into compliance with current codes which would likely be difficult.

The school has been able to create some additional space to accommodate students. The principal's office has been moved to the rear of the school to create a larger library area and there is a new all-purpose classroom used for art, meetings, and other academic activities. Overall, the building provides a safe and inviting environment for academic endeavors.

Table 7.3. Enrollment in area High Schools	
Academic Year	# High School Students Enrolled
1997-1998	83
1998-1999	92
1999-2000	95
2000-2001	78
2001-2002	75
2002-2003	65
2003-2004	65
2004-2005	73
2005-2006	86
2006-2007	92

High School Education

Beginning in the ninth grade, Bakersfield students must choose to attend one of the surrounding area high schools. The majority of Bakersfield High School students choose to attend Enosburg High School, but students also attend BFA St. Albans, Essex, MVU, and Mount Mansfield (Table 7.4). Vocational education is offered at the Cold Hollow Center in Enosburg Falls and the Voc Ed Center at Essex High School. These two facilities provide a wide range of programs for high school students and evening classes for adults as well. Tuition costs for area schools continue to rise, as does Bakersfield's school tax rate.

Table 7.4. Attendance by High School with Tuition Rates		
High School	# of Bakersfield Students Attending	Tuition Rate (2006)
Enosburg High School	44	\$11,890
BFA (St. Albans)	32	\$10,700
Essex	0	\$9,700
MVU	1	\$8,560
Mount Mansfield	1	\$10,394

Home Schooling

Bakersfield has 14 children being home schooled at this time (2007). These students are from 6 families in town.

Other Educational Facilities

The majority of colleges are located either in or around Burlington or in St. Albans. The Community College of Vermont (CCV) offers courses and degree programs in both Burlington and St. Albans. The CCV is part of the Vermont State College System and has links to other higher education facilities around the state. The University of Vermont, St. Michael's College, and Champlain College are all located in the Burlington area. Johnson State College is located in Johnson in our neighboring county to the southeast.

Goals:

- To provide exemplary educational services to the children of Bakersfield.
- To ensure that regulation of land development in Bakersfield does not negatively impact the availability of safe and affordable childcare

Policies:

- Establish fair and effective measures to control the pace and impact of development on educational services.
- Assess the need for and availability of childcare services in Bakersfield
- Support programs such as “Caring Communities, ” the Teen Center, and “Success by Six”
- Encourage pre-school at the public school

Chapter 8. Natural Resources

Bakersfield is rich in natural resources, including high quality forestland, abundant water resources, and valuable agricultural soils. These resources contribute significantly to the town's rural and scenic character, provide opportunities for recreation, and support the local economy. According to a recent survey, 83 percent of surveyed residents felt that conserving natural resources was an important or very important planning goal. Through proper planning and management, Bakersfield can work to protect and conserve the valuable natural resources that make our community a unique and enjoyable place to live.

Land Resources

The town of Bakersfield spans two biophysical regions: the Champlain Valley and the Northern Green Mountains region (Thompson and Sorenson, 2000). The town generally rises in elevation as you move from west to east, varying from under 100 feet to approximately 1940 feet.

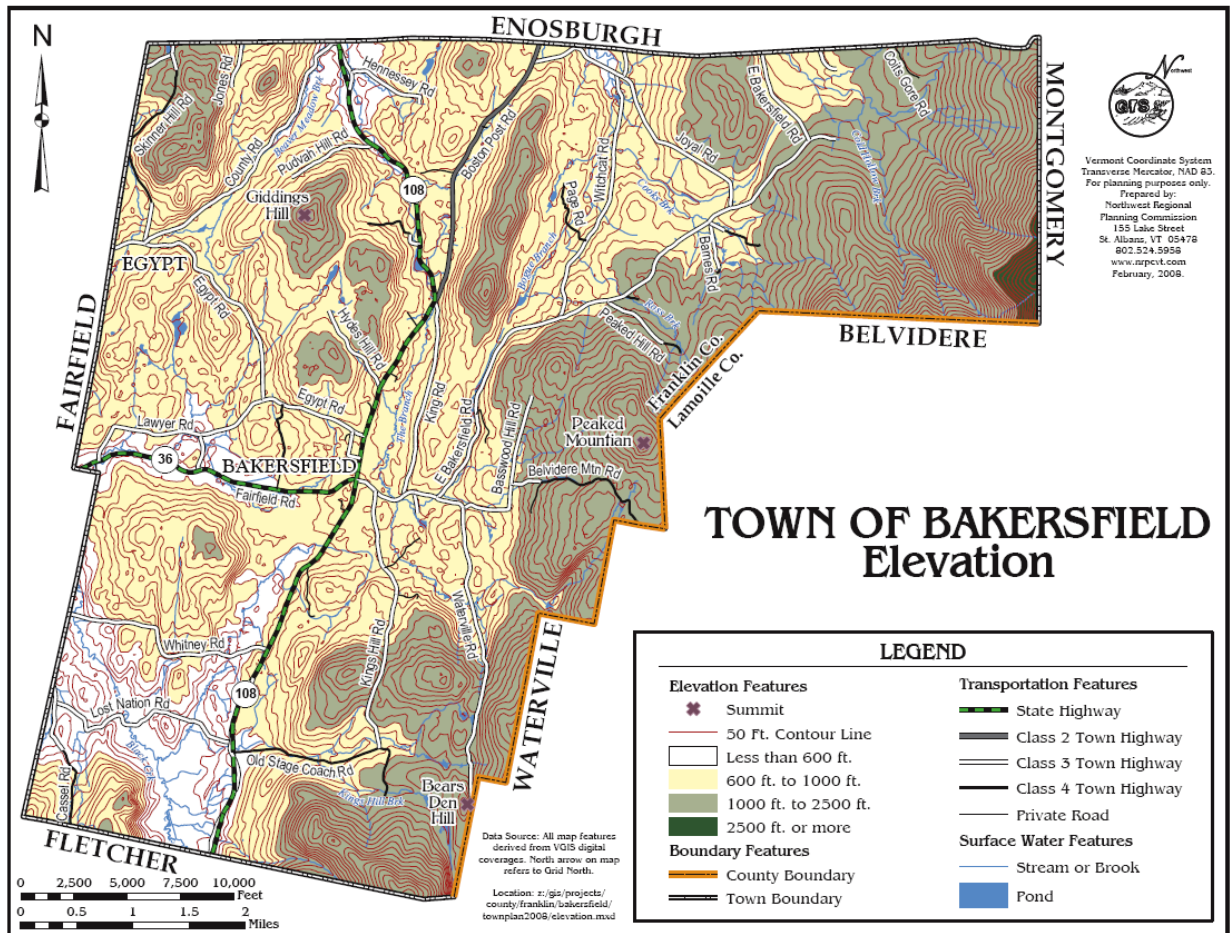


Figure 8.1 Elevation Change in Bakersfield

High Elevations and Steep Slopes

The high elevation areas of eastern Bakersfield include steep slopes, shallow soils, and exposed, fractured bedrock. These areas are largely forested and are not well-suited to development. The necessary cuts and slope stabilization for foundations, parking areas, road access and utilities are expensive and often, unless well-designed, unattractive. Development on steep slopes may also be at the expense of the town, as the costs of road maintenance, runoff maintenance and sedimentation problems increase with pitch. School bus and fire service may also be difficult, expensive, unsafe or even impossible depending on weather conditions.

The Natural Resources Conservation Service (NRCS) provides general guidelines for assessing slope limitations as shown in Table 8.1. The slope of an area should be taken into account when deciding if the land is capable of supporting potential development.

Table 8.1 Slope Classifications

0-3%	generally suitable for most types of development but may require drainage
3-8%	most desirable for development because these areas generally have the least restrictions
8-15%	suitable for low-density development with particular attention given to erosion control, runoff, and septic design
15-25%	unsuitable for most types of development and septic systems, construction costly, erosion and runoff problems likely
>25%	all types of construction should be avoided, careful land management for other uses is needed

Development on steep slopes can create a number of environmental problems as it may upset the natural slope repose angle and increase stormwater runoff, erosion and the possibility of mass movement or slumping. Septic tank disposal fields located on slopes greater than 15 percent may result in partially treated effluent surfacing and seeping onto the downslope surface, causing health hazards and possible nutrient enrichment of surface water. Of the effluent that does remain under the shallow soil characteristic of steep slopes, much of it may flow laterally. This situation often results in groundwater contamination or the surfacing of effluent at outcrop or fragipan areas.

Soils

Soils are one of the most important environmental factors influencing the use of land in rural areas. Good, fertile soils represent a 10,000 year investment - a valuable and limited resource. Soils are classified on the basis of structure, form, composition, and suitability for various types of development. Within the context of land use planning, the characteristics that are of primary concern are bearing capacity, erodability, drainage, septic suitability and resource value. These characteristics tell us whether soils are

capable of accommodating development, whether they are well-suited to agricultural or silvicultural uses, or whether they should be high priorities for conservation.

The septic suitability of Bakersfield soils are shown in Figure 8.2.

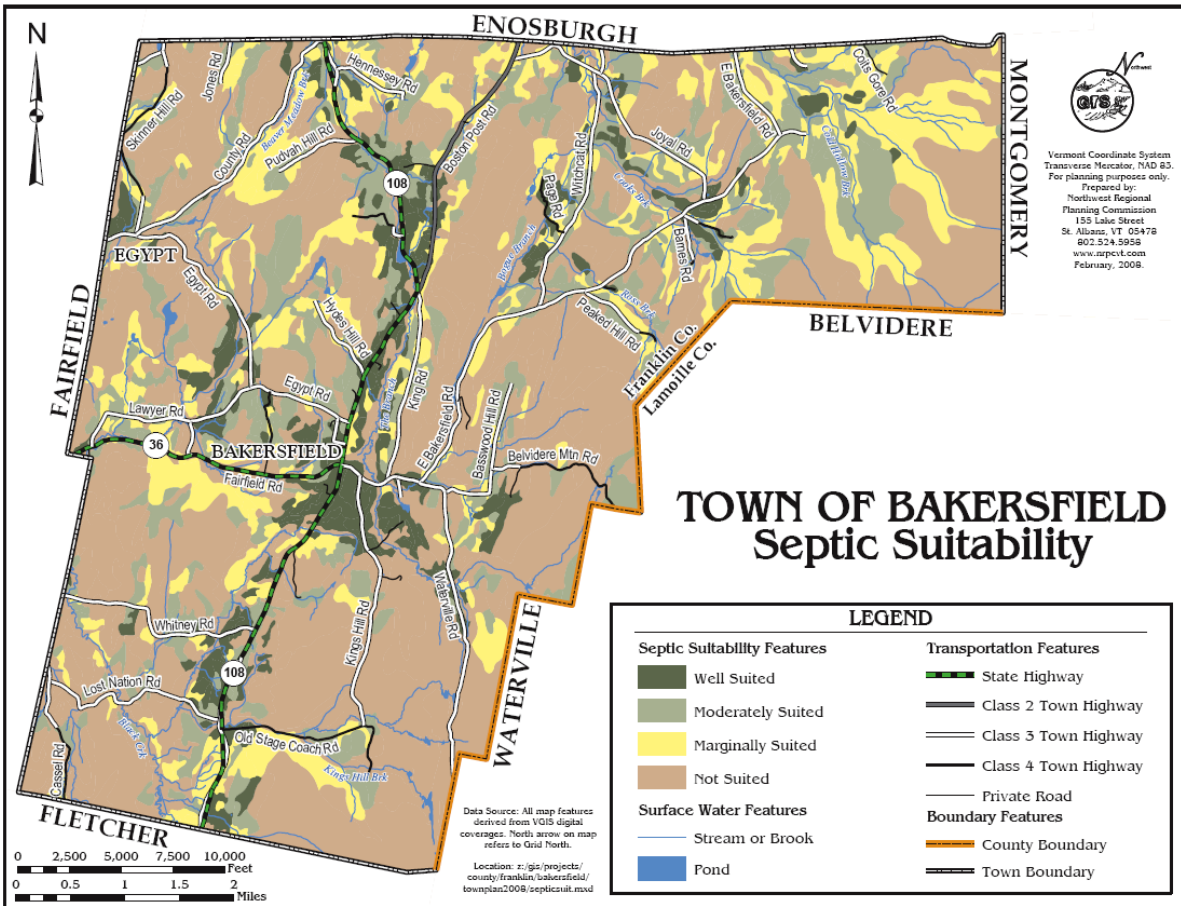


Figure 8.2 Bakersfield Soil Septic Suitability

The ability of soils to support agricultural and silvicultural activities is also an important consideration in Bakersfield land use planning. Vermont’s agricultural soils have been identified by USDA/NRCS in the publication, “Farmland Classification Systems for Vermont Soils” (June 2006). Soils with values 1-7 are considered to have the characteristics need to support agricultural uses and are shown on Figure 8.3. Soils with values 1-3 are considered “Prime soils” and are the most productive. Soils valued at 4-7 are considered to be of “statewide” importance. Soils in class 8 may be considered of local importance.

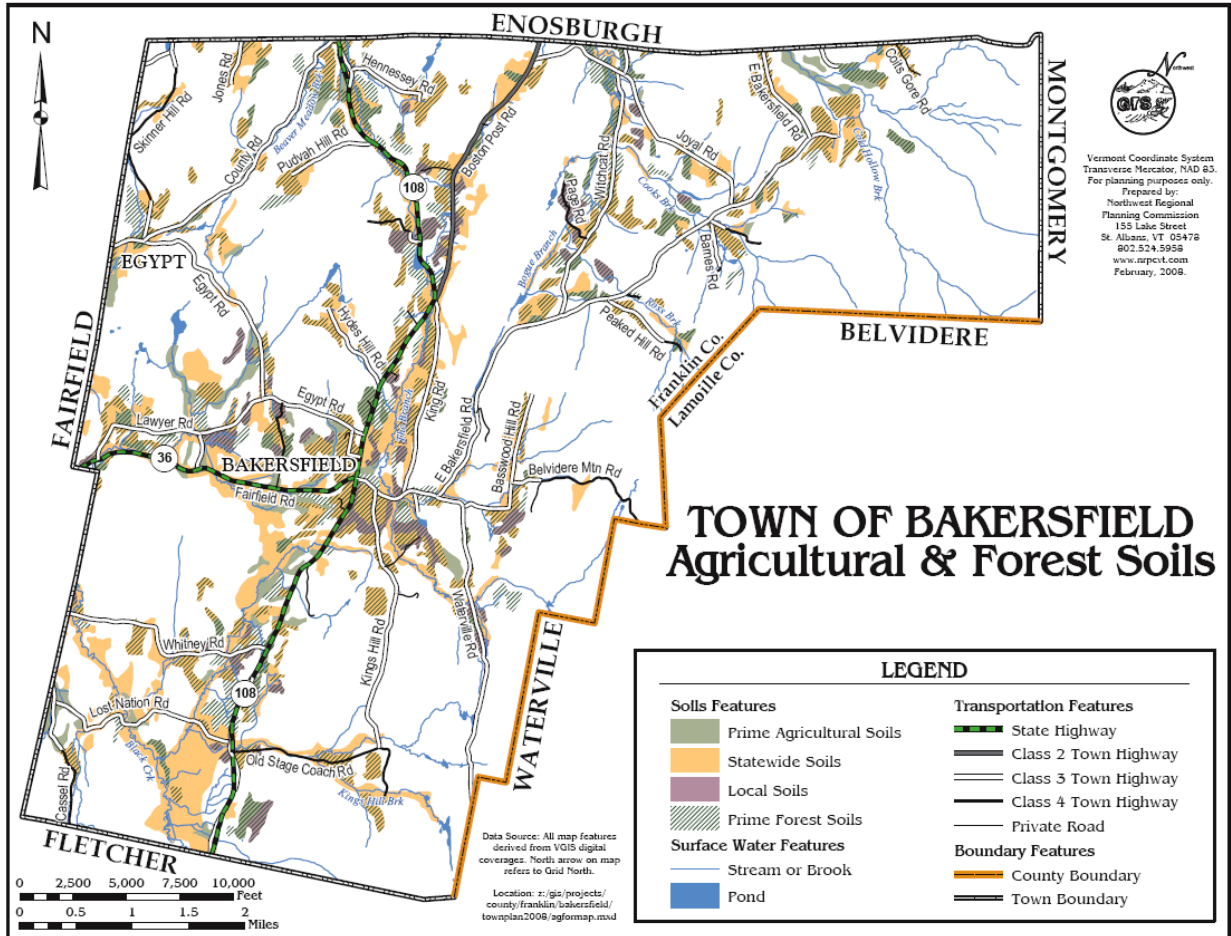


Figure 8.3 Agricultural and Forestry Soils in Bakersfield

Local agriculture depends upon the availability of high quality soils, in sufficiently large, contiguous parcels (critical mass) to allow for economical hay and field crop production. Because of their physical qualities, however, these soils are often also considered the best suited for subdivision and development. The conversion of good farmland effectively takes it out of production over the long term, and reduces an already limited resource base. Given the importance of farming to the local, regional and state economies, farmland conversion and fragmentation are of particular concern in Bakersfield. Retaining sufficient acreage of primary agricultural soils in good condition for agricultural production is necessary for the continuation of farming our community. Keeping agricultural soils in agricultural use is one of the goals supported in this plan.

The NRCS has also identified “primary forestry soils,” important to sustain commercial forestry operations in the region, according to their relative productivity. Similar concerns exist regarding the development and fragmentation of these soils; however they tend to be more widely distributed, and less suited for intensive development. However, even low density development, including seasonal camps, may result in the fragmentation and degradation of productive forest land. Again, social and economic factors, as well as the sustainable management of the soils resource base (e.g., through accepted management practices (AMPs) for silviculture, as defined by the state) should

be considered in determining which tracts of forest land should be maintained long-term for commercial use.

Approximately 72 percent of Bakersfield is covered by forest (2002 Landstat data). Bakersfield's forests provide habitat for many different kinds of wildlife, stabilize soils, absorb runoff, add to the scenic value of the landscape, and provide a living for Bakersfield residents who rely on logging or profits from their woodlots. Large, unfragmented stretches of forest in the eastern part of Bakersfield are critical habitat for mammal and bird species that require forest interior. Bakersfield's forests are dominated by sugar maple, yellow birch, American beech, and hemlock.

Earth Extraction

Earth resources, including sand and gravel deposits, are important natural resources particularly for their use in road maintenance and construction. However, it is important to recognize that these resources are finite and that the geologic processes that create them can take tens of thousand of years to occur. In Bakersfield, their use must be carefully balanced with the consequences of their extraction, and even then should be used only when high public benefit is in evidence.

Improper or excessive resource extraction is extremely damaging to the natural and scenic resources of our town, with far-reaching implications for water quality and the archaeological and aesthetic resources of the region. Sand and gravel deposits often serve as important areas for aquifer recharge and filtration, so vital for high quality sources of drinking water. Disturbance of these areas results in a reduction of their natural ability to retain and filter groundwater, resulting in degraded water quality. On-site storage and disposal of materials at extraction sites can cause contamination of groundwater through the leaching of hazardous materials into the water table.

Cultural resources are also at risk of degradation through improper earth resource extraction, including the accidental destruction of buried archaeological sites, and diminished scenic qualities which may negatively affect land values and opportunities for future use. Noise, dust, and increased traffic on roads near extraction sites can increase road maintenance costs and negatively impact the quality of life in Bakersfield.

To minimize negative impacts on the natural and cultural environment, a focus on appropriate site development that minimizes visual impact and reduces the risk of resource degradation should be coupled with post-operative attempts at proper mitigation and site reclamation. Prior to permitting extraction, the Bakersfield Planning Commission may require a plan for the rehabilitation of the site during and at the conclusion of extraction or processing activities and appropriate guarantees to allow for enforcement and to ensure rehabilitation at the operator's expense.

Water Resources

The town of Bakersfield has rich water resources, including rivers and streams, wetlands, and groundwater resources (Figure 8.4). The town's waters offer sustenance,

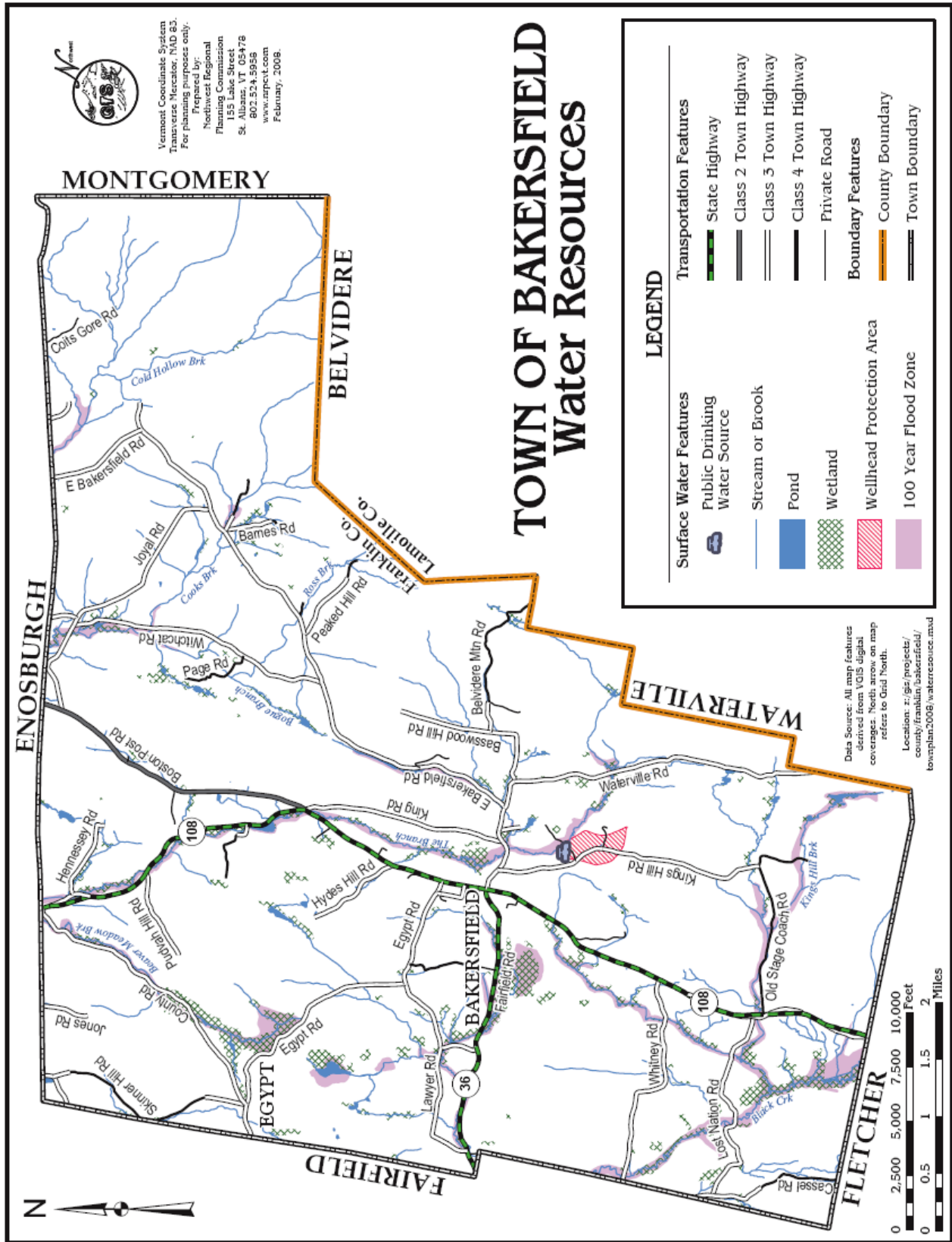


Figure 8.4 Bakersfield's Water Resources

scenic beauty, ecological values, and recreational opportunities and are important to the social, economic and cultural character of the community.

Surface Waters

Bakersfield is situated within the watershed of the Missisquoi River. The Missisquoi Watershed encompasses much of northwestern Vermont and southern Quebec. All of this area drains into the Missisquoi River Basin and ultimately into Lake Champlain. This watershed has been identified as a high priority area for the Vermont Department of Environmental Conservation’s Clean and Clear Center due to its contribution to phosphorus runoff and the resulting water quality issues in northern Lake Champlain (VT DEC, Clean and Clear Work Plan, 2007).

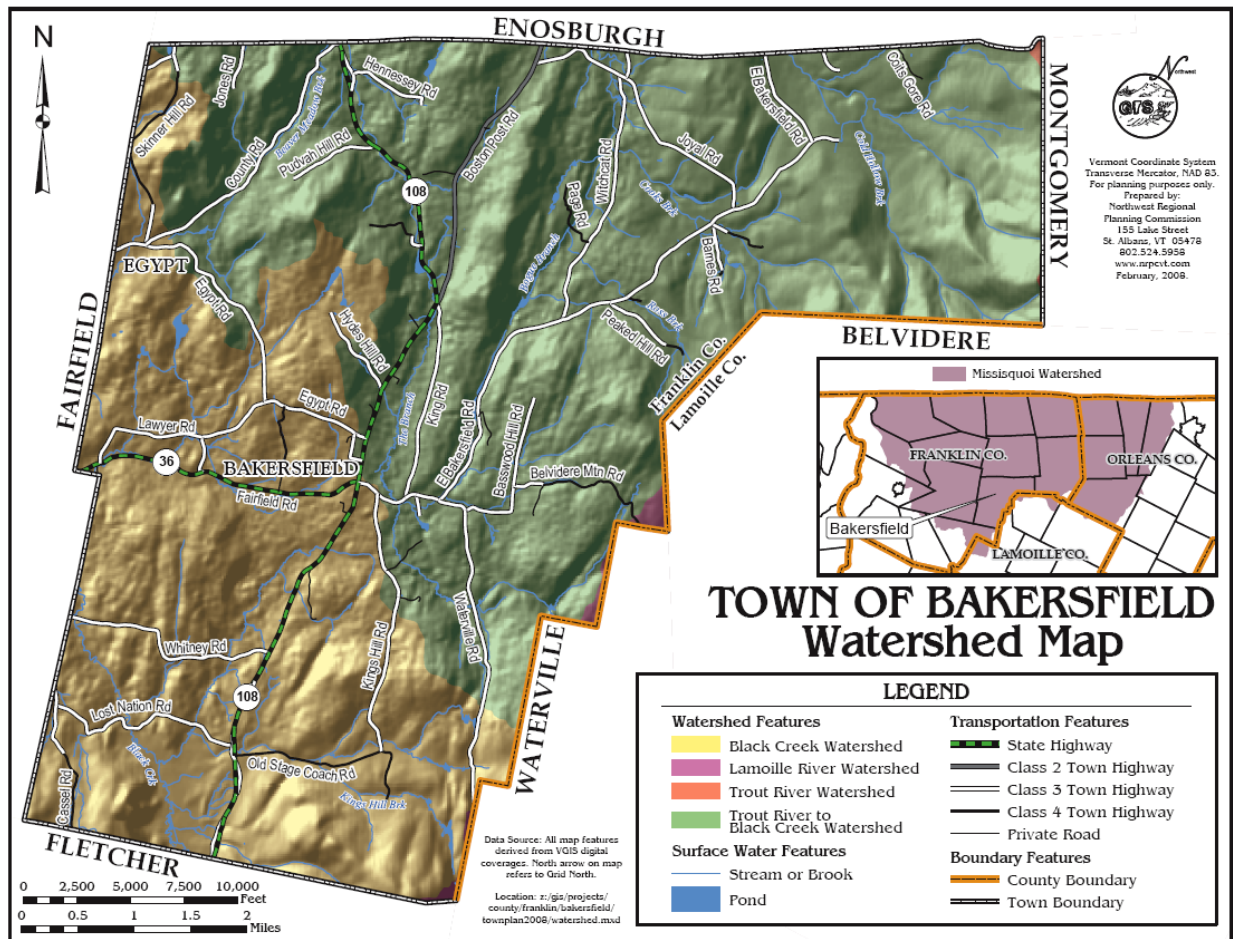


Figure 8.5 Subwatersheds within the town of Bakersfield.

The two major subwatersheds in Bakersfield are the Black Creek and Tyler Branch subwatersheds (Figure 8.5). Flooding and erosion are major issues within these subwatersheds and have increased the risk of flooding and erosion hazards, particularly downstream in Enosburgh and Fairfield. Flooding in the winter of 1996 and August of 1998 led to a FEMA-declared disaster. The Northwest Regional Planning Commission estimates that there are seventeen (17) structures within the 100 and 500 year floodplain in Bakersfield.

Assessments have been completed within the Black Creek and Tyler Branch watershed to determine the causes of flooding, erosion, and other water quality issues and to identify potential solutions. According to these studies, most streams in the Bakersfield portion of the Tyler Branch watershed have adequate buffers. Out of the 35 reaches or stream segments that were assessed, 32 reaches had wooded buffers that were at least 25 feet wide on at least 75 percent of the reach length. The three reaches with little or no buffer were all along The Branch, a tributary to the Tyler Branch, from the town boundary with Enosburgh upstream 1.5 miles. The stream reaches within the Black Creek subwatershed tended to have fewer riparian buffers. Three of the 13 reaches assessed had adequate buffers, three had little or no buffer on 75 percent of their length, and the rest had little or no buffer on 25-75 percent of the stream reach. It will be the goal of Bakersfield planning to ensure that these and similar buffers are maintained and enhanced.

More in-depth studies have been conducted along The Branch. Seven reaches within Bakersfield tended to be stable and in good condition. The assessed reaches still have access to the floodplain, which allows the stream to dissipate energy during high flows. Several upper reaches are good candidates for conservation or protection because there is no significant development within the stream corridor. In-depth studies of this type for the Black Creek and Tyler Branch have not yet been completed.

One of the main concerns along the Black Creek is that the Lamoille Valley Rail Trail cuts off access to the floodplain. The state of Vermont and local partners have identified several sites where the rail embankment can be lowered to allow the stream to access the floodplain during high flow events. The two locations in Bakersfield are along Lost Nation Road and Route 108S. Implementation is expected to begin in early 2008.

Stormwater runoff from roads, roofs, driveways and other surfaces also degrades local water quality and exacerbates flooding. During rain events and snow melt, stormwater carries dirt, oil, debris and other pollutants from these surfaces into our waterways.

The town of Bakersfield participates in the National Flood Insurance Program (NFIP). This program requires the town to impose certain restrictions on development within special flood hazard areas (SFHA) as designed by the Federal Emergency Management Agency (FEMA). The areas designated as Zone A are those which have a 1 percent chance of flooding in any given year (commonly referred to as the 100-year floodplain). Unfortunately, these maps have not been updated since 1985 and may no longer provide the most accurate information. The NFIP program is structured to minimize risk to life and property, but is not necessarily intended to provide water quality benefits.

In Vermont, most flood damage is the result of fluvial erosion rather than inundation. The FEMA maps may not adequately identify areas at risk of erosion. To address this issue, the Vermont Agency of Natural Resources is using the results of geomorphic

assessment studies to map fluvial erosion hazard (FEH) corridors. Limiting development within these areas will minimize risk and provide streams the opportunity to reestablish a stable, equilibrium condition. Maintaining vegetated buffers around waterways also helps to minimize risk to property provides water quality benefits. These buffers will be incorporated into the local zoning bylaws to ensure that future development does not further encroach on our waterways. FEH maps and other resources provide a way to identify the appropriate buffer width needed to protect a river corridor.

Wetlands

Wetlands are also important for the maintenance of water quality. The extensive biological activity of a wetland area enables the absorption and assimilation of nutrients and thus purifies to some extent the water that is discharged. These areas store large quantities of water during periods of high runoff and gradually release water during low flow periods. Therefore, the wetland regulates stream discharge both during low flow and peak flow. Loss of this storage capacity not only adversely affects stream behavior but also increases floods and reduces stream flow during crucial low flow periods. Wetlands also provide habitat for a wide variety of plants and animals, including a disproportionately high number of threatened or endangered species, compared to other ecosystem types.

Groundwater

Groundwater represents both a hazard and a resource. In areas where the seasonal high water table is 0-1.5 feet, there is unconfined groundwater at or near the surface for part of the year. These waters can be easily polluted by nutrients from septic tanks, agricultural practices, hazardous waste sites, pesticides, road salt and other sources (Vermont DEC, 2005). Once contaminated, these waters may present health hazards locally and cause pollution of surface waters should the groundwater contribute to stream flow or wetlands.

Many residents of Bakersfield depend upon springs and shallow wells for their water. Should septic systems, landfills or faulty sewer lines be located too close to a water supply, contamination may result. In an effort to protect the municipal water supply, Bakersfield has adopted an aquifer overlay district, which is intended to discourage new development and maintain the high quality of drinking water for village residents.

In order to maintain supplies and access to clean and sufficient water for the towns' residents, businesses and farms, new and novel uses of water, including the commercialization of water sources in the Town, will generally be discouraged.

Flora and Fauna

The Town of Bakersfield is host to abundant flora and fauna typical of the region. Bear, deer, moose, and small mammals occupy its fields and forests. Thorough surveys of rare and endangered plants and animals have not been conducted within the town, but recent research has confirmed the presence of both a rare fern population and a nesting site for a rare bird that were previously known only from historic records (Vermont Nongame and Natural Heritage Program, personal communication). Osprey, which nest

in the Fairfield Swamp just to the west, must surely venture into the skies over Bakersfield from time to time.

A heronry in the western part of Bakersfield has been monitored by state wildlife personnel for several years and is a protected area. Over the last five years, breeding bird populations have been monitored within the town for research for the Vermont Breeding Bird Atlas being conducted by the Vermont Center for Ecostudies, and at least 90 species of breeding birds have been documented. More than fifteen of Vermont's forty breeding reptiles and amphibians have been recorded within the town's boundaries (Vermont Reptile and Amphibian Atlas, Dr. J. Andrews, Middlebury College). Vernal pools, ponds, and other wetlands within the town provide critical breeding habitat for amphibians.

Invasive plant and animal species pose problems for our forests, wetlands, and waterways. So far, very little research has been done to inventory Bakersfield for the presence of invasive species.

Deer wintering areas provide critical habitat for whitetail deer. These areas of hemlock, spruce, fir, cedar, and pine forest provide shelter from deep snows, and also permit easier winter travel for deer and other species. The combination of elevation, vegetation, and solar aspect significantly increase the survival rates of deer populations. The U.S. Fish and Wildlife Service has targeted these areas for protection. These and other critical habitat areas are depicted in Figure 8.6.

Black bears prefer mountainous and forested landscapes just like those found on the slopes of the Green Mountains. Black bears have a significantly large home range and because of this, their survival rate decreases when larger areas are divided up into smaller units and into isolated forestlands. When land is developed in scattered locations, the black bear habitat areas are decreased.

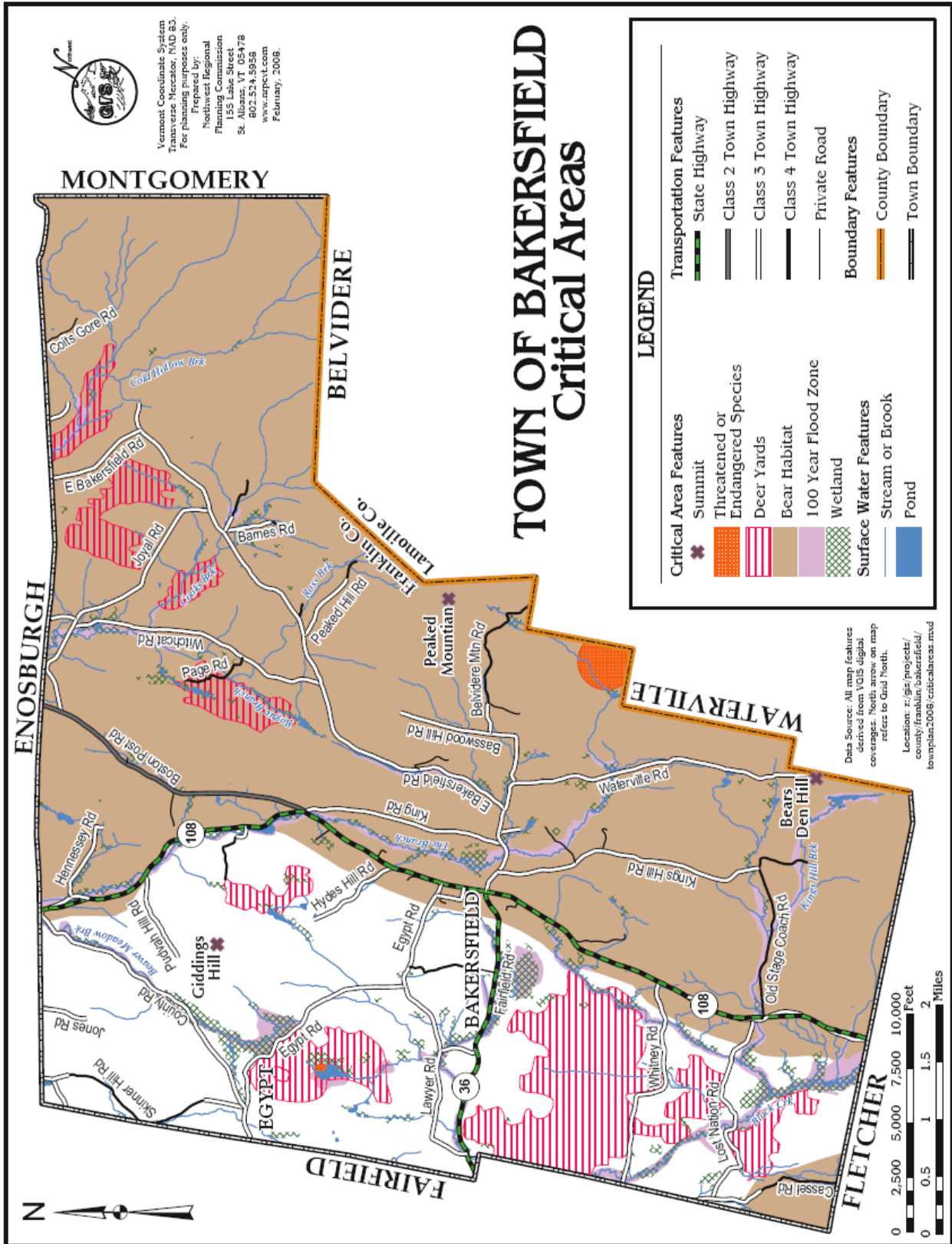


Figure 8.6 Critical Wildlife Areas in Bakersfield

Scenic Resources

The scenic beauty of Bakersfield is among our community's greatest assets. Yet, despite the importance of scenic beauty to our community and sense of place, scenic and aesthetic concerns are often difficult to quantify, and can be challenging to incorporate into comprehensive planning endeavors. In order to protect these resources, the town will encourage innovation in design and layout of development so that the visual impact can be minimized. The use of vegetative buffers and other screening methods will be encouraged to help reduce the visual impact of development in the town. This includes the regulation of cellular and wind energy systems to the extent possible.

Recreation

The town of Bakersfield is fortunate to have an abundance of open space and forestland available for recreational activities such as hunting, fishing, riding, and snow mobiling. Future development could reduce access and opportunity for these kinds of activities. Alternatively, planned unit developments present an opportunity to create common resource land that can be set aside for recreation or other uses in perpetuity. Through the bylaws, town planners will support the maintenance of larger tracts of natural spaces.

Goals:

- To protect the natural integrity and quality of wetlands and watercourses, wildlife habitats, ground water and aquifers, populations of rare and endangered species, forests and all other irreplaceable natural resources
- To enhance environmental quality, preserve the character of Bakersfield, and protect its natural assets

Policies:

- Prohibit all land development on slopes greater than 25 percent and maintain vegetative cover
- Conduct development on slopes greater than 15 percent carefully in order to avoid environmental degradation and conditions that create health hazards
- Carefully control runoff and erosion should during all phases of construction
- Inventory the town for high quality wetlands and watercourses, wildlife habitats, ground water and aquifers, populations of rare and endangered species, forests and all other irreplaceable natural resources
- Restrict the density of development in these critical areas to levels that will have minimal impact
- Discourage development within ecologically sensitive areas including wetlands, steep slopes, and areas with shallow soils
- Protect groundwater resources by prohibiting development in those areas where the water table is less than 1.5 feet below the surface
- Permit development only in a manner that is safe to existing water supplies, both public and private

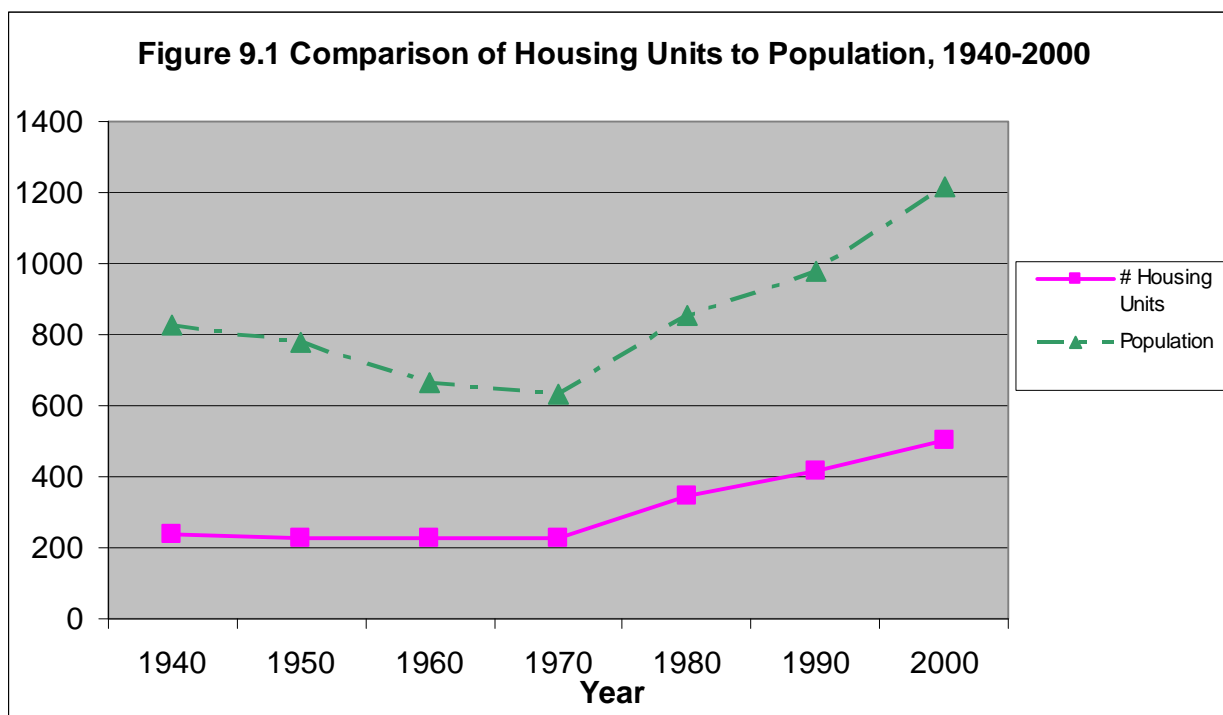
- Prohibit new construction within the Wellhead Protection Area, as designated by the Vermont DEC
- Minimize the impact of development on streams and floodplains to allow them to perform their natural functions
- Encourage the use of Low Impact Development (LID) strategies to treat stormwater on-site
- Promote the natural balance of the hydrologic regime by controlling excess runoff and maintaining natural water infiltration and storage capacities
- Encourage development within shoreline areas of streams, lakes or ponds that is compatible with the natural beauty of the area.
- Require sufficient setbacks to prevent erosion along streambanks or shorelands and pollution from subsurface sewage disposal systems, and to retain visual and physical access to the water bodies
- Prohibit land development resulting in the loss of wetland storage capacity
- Prohibit additions to wetlands of any substances that are likely to increase the concentration of materials beyond their assimilative capacities
- Promote development in proximity to wetlands and streams that preserves their value for education, science, aesthetics and recreation
- Incorporate vegetated buffers into Bakersfield's zoning bylaws in order to better protect water quality
- Develop and utilize Fluvial Erosion Hazard Maps to minimize losses from flooding and erosion
- Develop a plan to establish a town forest

Chapter 9. Housing

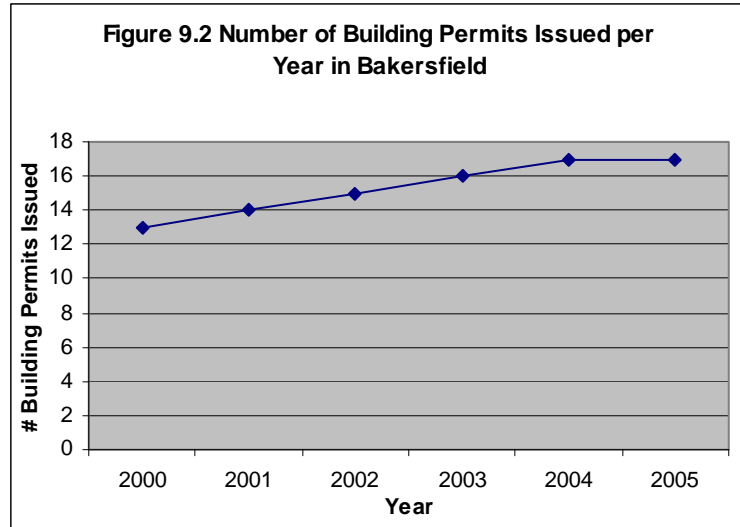
It is the function of this plan to guide the writing and passage of regulations that will help control growth in Bakersfield. The rate of residential development is a growing concern among the residents of Bakersfield. In a recent town survey, 33 percent of respondents expressed that the rate of residential development in town was too fast. This plan aims to keep living and housing costs affordable in Bakersfield and to accommodate a reasonable rate of residential growth that will not exceed the town's ability to provide adequate facilities and services.

Housing Trends

The 2000 census showed a total of 504 housing units in Bakersfield, an increase of over 120 percent since the 1970s. Of these units, 377 were owner-occupied, 62 were renter-occupied year-round housing, 53 were seasonal or recreational housing units, and 4 were vacant housing units. The rate of population growth has slightly exceeded the rate of housing development (Figure 9.1). Total housing units increased by over 21 percent from 1990 to 2000, while population increased at a rate of over 24 percent.



The number of building permits issued per year has gradually increased between 2000 and 2005 (Figure 9.2). The vast proportion of new housing in Bakersfield is year-round housing with vacation homes accounting for only a small percentage of new construction.

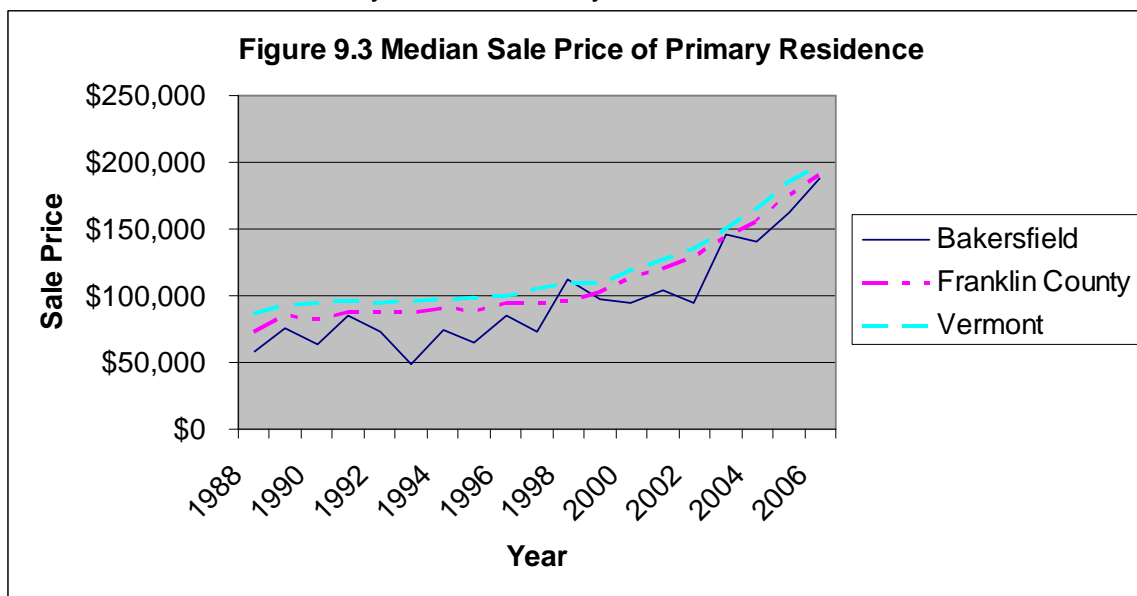


Affordable Housing

The demand for affordable housing is an important issue in many Vermont communities. In a survey of Bakersfield residents, approximately 40 percent noted that support for affordable housing is an important or very important planning goal for the town.

High housing costs place a greater strain on lower income households than on households that are economically better off. Therefore, affordable housing initiatives generally emphasize the importance of providing affordable housing to households that are at or below the median income of the area.

The price of housing in Bakersfield has generally followed the regional and statewide trends (Figure 9.3). According to the Vermont Housing Data website in 2006, the median sale price of a primary residence in Bakersfield (\$187,500) was slightly below that of Franklin County (\$190,000) and the state as a whole (\$197,000). However, when compared with other local housing markets, including St. Albans Town (\$230,371), Fairfield (\$224,150), and Fletcher (\$220,000), Bakersfield appears to be a more affordable community in which to buy a home.



According to Vermont Statute, housing is considered affordable when a household earning not more than 80 percent of the county median income or the metropolitan statistical area's median income, if it applies, pays no more than thirty percent of their income on housing.

All municipalities in Franklin County are deemed part of the Burlington-South Burlington Metropolitan Statistical Area by the U.S. Department of Housing and Urban Development. The figures for median income, however, do not paint an accurate picture for many of the municipalities within Franklin County, including Bakersfield. The 1999 median household income for the Burlington-South Burlington MSA was \$46,732, while it was \$41,659 in Franklin County (2000 US Census). For this reason, the Northwest Regional Planning Commission uses the county median household income to compute affordability statistics.

Table 9.1 shows the affordability gap for Bakersfield, which is the difference between the maximum affordable mortgage and the median sale price for primary residences. 100 percent of the median income represents moderate-income households, 80 percent represents low-income households, 50 percent represents very low-income, and 30 percent represents very, very low-income households.

Table 9.1: Bakersfield Affordability Gap for Home Ownership

Percent of HH Median Income	County Median HH Income 2004 (est)	30% of Income		Taxes & Insurance	Income Available for Housing/ Month	Maximum Affordable Mortgage	Median Sale Price for Primary Residences (2006)	Affordability Gap
		Per Year	Per Month					
100	45,145	13,544	1,129	240	889	\$148,956	\$187,500	-38,544
80	36,116	10,835	903	240	663	\$111,119	\$187,500	-76,381
50	22,573	6,772	564	240	324	\$54,363	\$187,500	-133,137
30	13,544	4,063	339	240	72	\$12,069	\$187,500	-175,431

Data Source: Median income based on U.S. Census Bureau estimates; median sale price from Vermont Housing Data; taxes and insurance are an estimate; all other figures computed by the NRPC

Moderate-income households can afford a mortgage with monthly payments that do not exceed 30 percent of their monthly income. In Franklin County, this equates to a mortgage of not more than \$148,956. This figure is lower than the 2004 median sale price for single-family dwellings of \$187,500. This leaves an affordability gap of negative \$38,544, which indicates that affordable housing is not readily available in Bakersfield according to the definition of affordable housing in Title 24 VSA, Chapter 117, Section 4303. For those with an income below the median, owning a home is even further beyond their reach.

Senior Housing

Currently, the town of Bakersfield does not have specific group housing for senior citizens. The 2000 US Census reported that 8.7 percent of Bakersfield residents were age 65 and over. The median age for Bakersfield residents was 32.2 years in 1990 and increased to 35.2 in 2000. This is similar to the median age of Franklin County (35.7 years) and slightly lower than the state of Vermont (37.7 years). The town, county, and the state have all seen an increase in their median ages since 1970. Because the population is aging as a whole, steps need to be taken to ensure that there is adequate and affordable housing available for senior citizens. The Brigham Academy building has been identified as a potential location for senior housing.

Planned Unit Developments

One of the intents of this plan is to keep living and housing costs affordable in Bakersfield, and to provide for the growth of residential facilities without speculative development. Planned Unit Development (PUDs) have the potential to help Bakersfield attain its goals for land use and housing as they allow for the clustering of development, conserving rural countryside, protecting contiguous woodlands and the working landscape, and providing a more efficient and affordable means of housing development.

However, the effect of major subdivisions on school facilities, town roads and other town facilities must be carefully considered. In order to lessen these impacts, these developments should be phased in gradually, and appropriate conditions should be set to ensure that the impacts on town services, neighbors, and community character are reduced.

Goals:

- To ensure the provision of adequate, safe and affordable housing for all income and age groups in an environment that is safe and visually attractive
- To promote new and renovated residential development that reinforces and reflects the traditional forms and historic patterns of residential community settlements and efficiently utilizes existing and planned infrastructure
- To encourage construction and renovation of housing that promotes energy efficiency

Policies:

- Promote innovative approaches to developing affordable housing, including planned unit developments
- Determine residential densities on the basis of topography, soil conditions, proximity to highways, cost of providing mandated public services, and conservation of natural resources, as well as capacity to meet Vermont Health Department requirements
- Conserve and protect the quality and vitality of existing residential neighborhoods or areas, and encourage the renovation of old and deteriorating dwellings

- Encourage siting of new housing development to preserve the greatest amount of open space and blend harmoniously with the surrounding landscape
- Allow the building of accessory apartments within or attached to single family residences in accordance with state law
- Support efforts that assist elderly and disabled residents who want to remain in their homes, and community-based health care systems that enable elderly and disabled people to remain in their communities
- To the extent possible, locate new housing for elderly and disabled residents in proximity to Bakersfield village and existing infrastructure and services, including consideration of the Brigham Academy building for this purpose.
- Promote the use of natural, non-toxic energy efficient materials in the renovation of existing and the construction of new housing

Chapter 10. Land Use

In developing the land use plan for Bakersfield, it is important to recognize the mainly physical constraints to development. Steep slopes limit development in many areas of town, and nearly a third of the land (8,610 acres) has a slope greater than 20 percent. The town also has two small bodies of water, Brown's and Kings Hill Ponds, with a total area of only 16 acres and 1057 acres of class 2 wetlands which account for almost 4 percent of its land area.

Land Use and Development Trends

Currently, the highest concentration of residential development in Bakersfield lies within the village area. This is also the district where commercial development is considered to be most appropriate. The higher density development that exists within the village creates a strong sense of community and is an efficient use of land. The village also provides important public services including the Town Hall, Post Office, school, library and historical society.

The village is an important asset and should be promoted and preserved by encouraging historic preservation, economic development, and the adaptive reuse of existing structures. The village sidewalk project, efforts to renovate the Brigham Academy, and other projects intended to maintain and improve the quality of life in Bakersfield village should be encouraged and supported through thoughtful land use decisions. Sprawling development patterns that fragment the landscape and detract from Bakersfield's rural character should be discouraged.

Agriculture and forestry continue to be important components of the local culture and economy. It is important to remember that owners of farms and forests provide a public benefit by not developing their property, and cost the town little in terms of municipal services. From popular scenic vistas, to important wildlife habitat, these contributions to the well-being of the town cannot be overlooked.

The development of farms and forests for residential use is becoming more profitable for the individual land owners. This creates pressures for development. It is important that this development be guided by good land use planning in order to maintain the unique character of our community and ensure that local services are not overwhelmed.

The use of planned unit development (PUD) may provide a tool to enable Bakersfield to accommodate some residential development, while protecting the working landscape and open land. PUDs allow for a more flexible design approach and provide an opportunity for the planning commission to work with landowners and developers to create subdivisions that reflect the goals and values of Bakersfield, including clustered development, the provision of common land, and the protection of prime agricultural soils.

Existing Zoning Districts

The town of Bakersfield currently divides its land use into the following zoning districts: Village, High Density Residential, Low Density Residential, Rural, Conservation, Watershed, Aquifer, and Flood Hazard. The purposes of these districts are summarized below and a complete description can be found in the town of Bakersfield Zoning Bylaws adopted in July of 2006.

Village District. This district is comprised of the area where development is preferred and likely to occur: the village of Bakersfield and its surroundings. Designation of this district is intended to support the concept of this village area as the focus of activity in the town; to provide for high-density residential, commercial, public, and other compatible uses to serve the needs of the residents; and to maintain the character of the village, including its historic and scenic qualities.

High Density Residential. This district consists of eight areas of the town where residential development is preferred at a slightly lower density than in the Village District.

Low Density Residential. This district consists of areas of town where residential development is preferred at a lower density than in the Village or High Density Residential Districts.

Rural District. It is intended that this district remain rural, agricultural and silvicultural. The preservation of farmland is a major objective. Rural residential development and compatible rural uses, at a density the land can support are permitted.

Conservation District. This district is designated to protect the natural resource and scenic value of lands which lack direct access to public roads, are important for wildlife and wildlife habitat, and which are poorly suited for development. Included are areas of steep slopes and swamplands. Concern must be given to building on any slope greater than 15 percent because the soils in these areas tend to be thin and unstable, making them unsuitable for development. Only limited development is to be permitted in these areas.

Watershed District. The purpose of this district is to protect the public health and safety by preserving and maintaining the community ground water source from incompatible development.

Aquifer District. The purpose of the Aquifer District is to protect the public health and safety by preserving and maintaining the community water source from incompatible development.

Flood Hazard District. The purpose of this district is to minimize future public and private losses caused by development in flood hazard areas. Designation of

this district is also required for continued town eligibility in the National Flood Insurance Program.

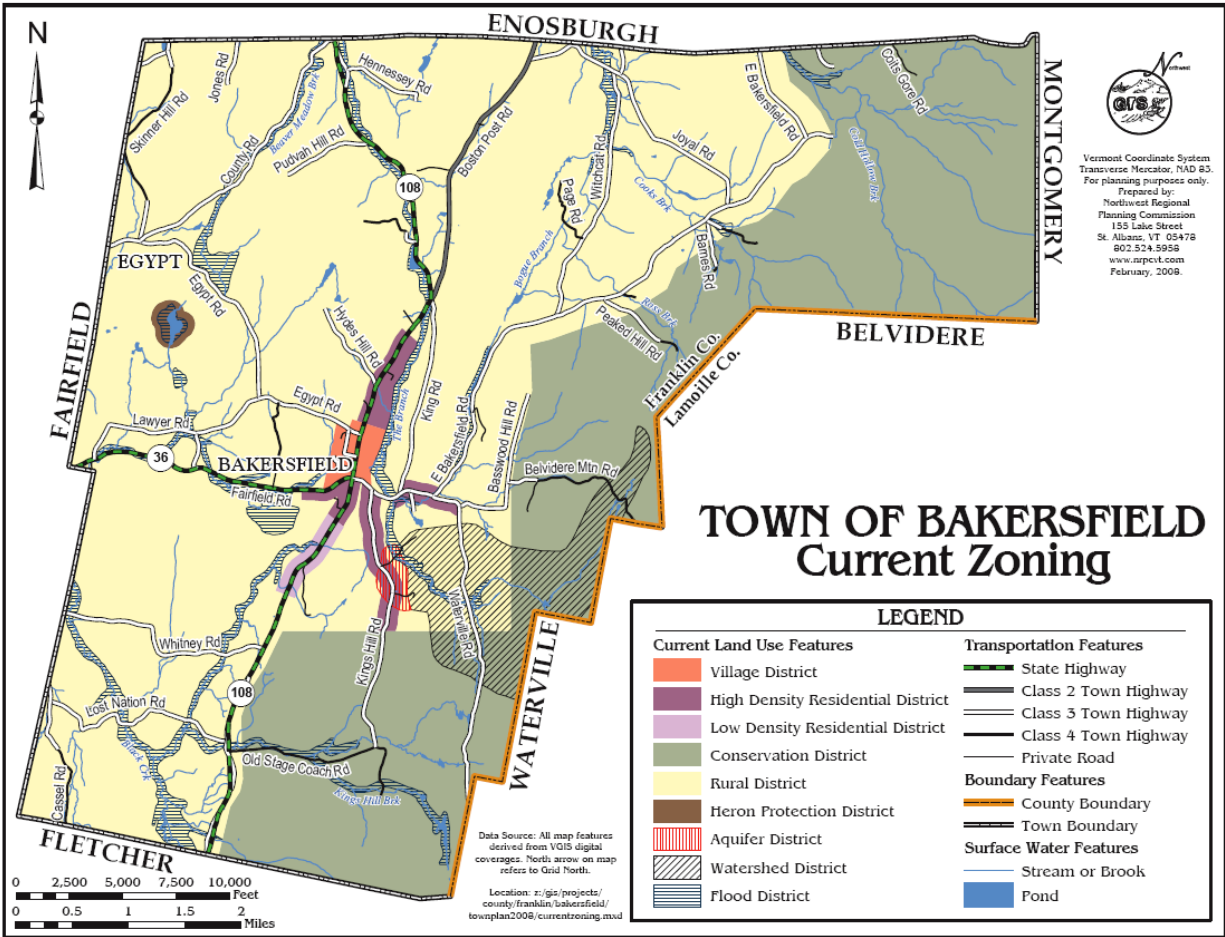


Figure 10.1 Current Bakersfield Zoning Districts

Proposed Zoning Districts

The Bakersfield Planning Commission is proposing to make changes to the zoning districts in order to better reflect the goals and policies of the Town Plan. The proposed districts are described below.

Village Center District. The Village Center represents the historic center of Bakersfield. This district has a distinct historic character which features mixed residential, commercial and public uses in a historic village setting. Development in this district should protect and preserve existing historic resources, promote pedestrian access and maintain the village character, including its historic settlement pattern, scenic character and sense of community.

High Density Residential District. This district is comprised of the area around the village center where additional high-density development could be accommodated. This district provides a transition between the compact development of the village center and the rural areas of Bakersfield. It is designed to allow a radial pattern of development around the village in an effort to discourage linear sprawl. Development in this district should complement and extend the character and traditional development pattern of the village core. Interconnected street networks and pedestrian access are encouraged in this district.

Rural District. It is intended that this district remain rural, agricultural and silvicultural. The preservation of farmland and prime agricultural soils is a major objective. Rural residential development and compatible rural uses, at a density the land can support are permitted. Clustered development that protects large, contiguous tracts of farmland or open space is appropriate in this district. Within the rural district, additional restrictions are included to protect an important Heron Rookery in northwestern Bakersfield, consistent with the requests of the Vermont Department of Fish and Wildlife.

Conservation District. This district is designated to protect the natural resources and scenic value of mainly forested lands that lack direct access to public roads, are important for wildlife and wildlife habitat, and which are poorly suited for development. Included are areas of high elevation, steep slopes and swamplands. Concern must be given to building on any slope greater than 15% because the soils in these areas tend to be thin and unstable, making them unsuitable for development. The Conservation District includes the watershed that provides Bakersfield's municipal water supply and land uses that might reduce the water quality in this area are restricted. Only limited, low-density development is to be permitted in this district.

Aquifer Overlay District. The purpose of the Aquifer Overlay District is to protect the public health and safety by preserving and maintaining the community water source from incompatible development. No new construction is permitted within the Aquifer Overlay District.

Flood Hazard Overlay District. The purpose of the Flood Hazard Overlay District is to minimize and prevent the loss of life and property, the disruption of commerce, and the extraordinary costs that result from flooding and other flood-related hazards. Within this district, the design and construction of development should be accomplished in a manner that minimizes or eliminates the potential for flooding and loss or damage to life and property. Uses in the flood hazards areas shall be restricted to agriculture, conservation and outdoor recreation.

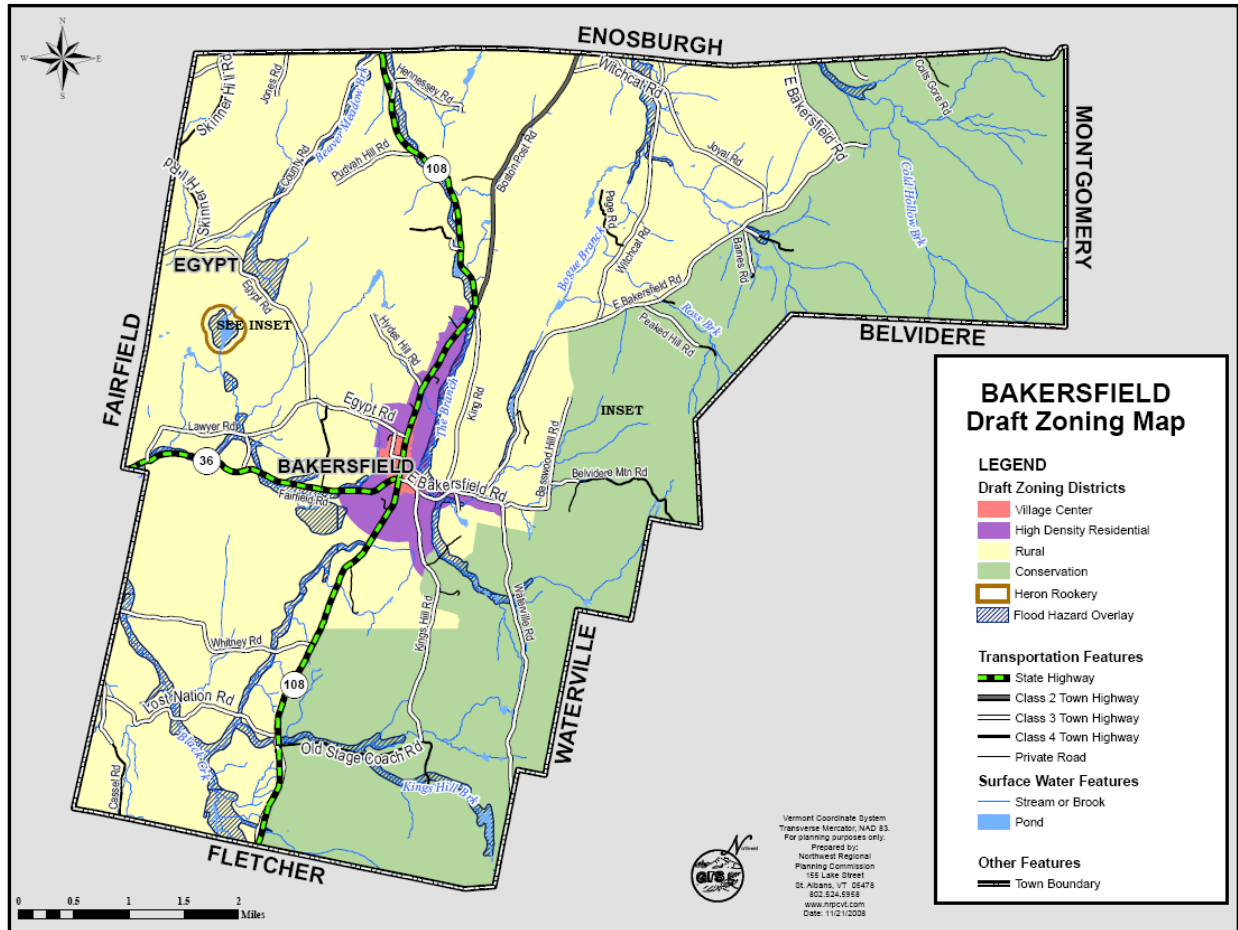


Figure 10.2 Proposed Bakersfield Zoning Map

Goals:

- To maintain Bakersfield’s rural character and scenic resources through informed land use decisions
- To accommodate future growth in patterns, densities, and locations that respect traditional patterns of development, and that do not compromise the integrity of natural, historic and cultural resources
- To establish public policies that balance development with the town's ability to provide services
- To protect and promote the continuation of agriculture and forestry as integral component’s of Bakersfield’s local economy and culture through land use planning

Policies:

- Encourage low development densities where low levels of services are provided, and higher densities only where residences and businesses can be properly served
- Design clustered housing, including housing specifically designed to be affordable, to fit into the cultural, aesthetic, and natural resource landscape of Bakersfield

- Promote anti-sprawl initiatives as a measure to maintain the appropriate use of the town's land resources
- Protect the vitality and importance of the village center by designating it as the primary focus for commerce, while simultaneously preserving its essential historic character and beauty
- Promote new development in areas of existing infrastructure (roads, power, and water) and discourage development in areas without existing infrastructure
- Discourage development in areas which are hazardous to human health and safety
- In subdivision review, encourage lot layouts that respect the natural features of the landscape and do not create long, narrow lots which contribute to sprawl and waste irreplaceable agricultural and silvicultural resources
- Protect prime recreational resources from incompatible land uses and protect scenic qualities of agricultural, forest and riparian lands from unnecessary despoliation
- Permit development only in a manner that is safe for existing drinking water supplies, both public and private
- Protect water quality by limiting development in Wellhead Protection Areas, wetlands, and along stream banks
- Protect river corridors by establishing a minimum setback or "buffer" between development and the streambank
- Promote environmentally sound construction practices, including control of runoff and erosion during all phases of construction and treatment of wastes off of steep slopes
- Protect scenic ridgelines by regulating their development, including the siting of cellular and wind towers
- Steer development away from areas where soils will not support it due to shallow depth to bedrock, instability, or high water table
- Prohibit land development on slopes greater than 25 percent, and maintain vegetative cover
- Conduct development on slopes greater than 15 percent carefully in order to avoid environmental degradation and conditions that create health hazards
- Protect public health, welfare, and safety by prohibiting development in the flood plain and continuing to participate in the National Flood Insurance Program (NFIP)
- Support and encourage participation in land preservation measures, such as those promoted by the Vermont Land Trust
- Maintain the character of existing neighborhoods in the village and avoid potential conflicts between incompatible land uses
- Conserve agriculturally productive lands by accommodating development in areas apart from most farming activity and from areas of prime agricultural soils
- Encourage sustainable agricultural and silvicultural practices to both protect the use of land and water resources, and to keep a working rural landscape based on a practice of stewardship
- Strongly encourage landscaping and site design that reduces adverse impacts of new development

- Pursue village designation with the state of Vermont in order to access tax credits, incentives and other funding for village revitalization efforts
- Protect and promote forestry as a valuable land use in Bakersfield through the creation of a town forest
- Promote alternative small farms which produce products such as cheese, yogurt, market garden, etc.
- Provide incentives for appropriate commercial growth in the village district

Chapter 11. Compatibility with Surrounding Towns

Land use patterns are shaped by many factors beyond the borders of a community, including the economy, the housing market, employment trends, transportation opportunities, energy costs, etc. In working to attain the desired land use patterns, it is important that planning efforts be coordinated across municipal boundaries. The town of Bakersfield shares borders with the towns of Fletcher, Fairfield, Enosburgh, Montgomery in Franklin County and the town of Belvidere in Lamoille County. This chapter will provide a summary of the land use plans and regulations implemented by each of the communities and consider the compatibility of these efforts. While this will provide a snapshot in time, it is also important to seek opportunities for on-going coordination between communities and at the regional level to avoid potential conflicts and effectively work towards common goals.

Compatibility with Fletcher

The town of Fletcher borders Bakersfield to the south. Fletcher adopted its most recent town plan on September 19, 2005. The plan seeks to maintain the rural character of the community, to provide for orderly development that enhances the quality of life for Fletcher residents, and to require that all development be pursued with strict regard to the capacity of the land. From 1990-2000, Fletcher experienced similar population growth rates as compared with Bakersfield.

To regulate land use, Fletcher has adopted zoning and subdivision regulations. These regulations were most recently adopted October 24, 2002. Along its border with Bakersfield, to the west of route 108 is Fletcher's forest district, which shares similar goals to Bakersfield's conservation district and requires a similar density of development. To the east is Fletcher's conservation district, which requires a density of one unit per 10 acres, similar to the density requirement in Bakersfield's adjoining rural district. Along route 108, Fletcher has designated the rural residential/ag district, the purpose of which is "to provide for and protect residential, agricultural, forestry and compatible commercial and recreational uses." While this district allows for a greater density of development (2 acres/unit) than the adjoining land in Bakersfield, this is not considered an incompatible use of land in this area.

Compatibility with Fairfield

To the west of Bakersfield, lies Fairfield. According to the town plan, adopted on February 27, 2002, "It is the primary and fundamental intention of Fairfield to remain a rural, agricultural town." Fairfield is currently in the process of updating its town plan, including its Growth Management Plan. The current Growth Management Plan has established a cap of ten building permits issued per year, which serves to slow growth to a rate the community can accommodate.

Fairfield most recently revised its zoning and subdivision regulations on March 2, 2004. The town is divided into seven zoning districts: Agricultural/Rural Residential, Chester

A. Arthur Scenic District, East Fairfield District, Fairfield Center District, Fairfield Swamp District, Lake District, and the Uplands District.

Bakersfield has designated the entire length of this boundary to be in the rural district. In Fairfield, south of route 36 is designated to be in the uplands district, in which agricultural and forestry uses and essential public services are the only permitted uses. Much of northern Fairfield is designated as agricultural/rural residential, which is intended to preserve rural character and protect agricultural resources while providing for residential, agricultural, forestry, and compatible commercial and recreational uses. Along the Chester A. Arthur Road, Fairfield has designated a scenic district which intersects the northwestern corner of Bakersfield. These land uses are compatible with the adjoining rural district in Bakersfield.

Along 36 is the area designated as the East Fairfield district, which provides for residential, commercial and other compatible development that serve the needs of the town and maintain the traditional, social and physical character of the village. Maintaining the vitality of East Fairfield village is consistent with the goals of the Bakersfield plan. By designating the area between East Fairfield village and Bakersfield village as rural, the town of Bakersfield seeks to limit the potential for strip development along route 36 and to maintain the two centers as distinct.

Compatibility with Enosburgh

Enosburgh lies to the north of Bakersfield. Enosburgh is currently in the process of updating their town plan. According to their most recent plan, adopted on September 26, 2001, the town of Enosburgh seeks to preserve its unique character, protect natural resources, promote agriculture and forestry, and provide employment opportunities and a high quality of life for residents. From 1990-2000, Enosburgh's rate of growth was less than half that of Bakersfield.

Enosburgh most recently updated its zoning regulations on August 3, 2007 and its subdivision regulations on February 18, 2003. The town is divided into five zoning districts: Village of Enosburg Falls, Agricultural, Rural Residential, Conservation and Wellhead Protection. There are also three overlay districts: Natural Resources Overlay, Wetland Overlay, and Flood Hazard Overlay.

Along most of its border with Bakersfield, Enosburgh is designated as Rural Residential. The mountainous area to the east is within the Conservation Zone. These areas are compatible with the adjacent Rural and Conservation Districts in Bakersfield.

Compatibility with Montgomery

Bakersfield shares a short border to the east with Montgomery. This border is mountainous and sparsely populated. There are no roads connecting Bakersfield directly to Montgomery.

The Montgomery Town Plan, adopted on September 19, 2005, calls for preserving the town's rural character, protecting its natural resources, and maintaining unique cultural resources including its two historic villages and six covered bridges.

Montgomery implements its land use policies through zoning regulations (most recently adopted on March 1, 2005) but does not have subdivision regulations. The area bordering Bakersfield is designated as the Conservation II district. This district requires a 20 acre minimum lot size and the only permitted uses are agriculture, forestry, water storage and reservoirs, and wildlife refuge. Camps are considered a conditional use in this district. These regulations are consistent with the adjoining conservation district in Bakersfield.

Compatibility with Belvidere

The town of Belvidere is located in Lamoille County to the east of Bakersfield. The Town Plan was adopted on May 5, 2005. The goals of the Town Plan are to control growth to avoid undue tax burden on residents, to protect natural resources, to promote agriculture and forestry practices, and to ensure that land use decisions are made locally. The town of Belvidere does not have zoning or subdivision regulations, but does regulate development within the floodplain in accordance with the National Flood Insurance Program.

Compatibility with Waterville

Waterville is also located in Lamoille County to the east of Bakersfield. Like Belvidere, Waterville does not have zoning or subdivision regulations. They did, however, adopt a town plan on September 22, 2003. Goals of this plan include: "Keep Waterville small and rural in order to preserve the quality of life here" and "Encourage preservation of Waterville's natural resources and scenic beauty, including water resources, open land, mountaintops and ridges, forest and agricultural land, trails and views."

Compatibility with Northwest Regional Plan

The town of Bakersfield is an active member of the Northwest Regional Planning Commission. Each of the municipalities in Franklin and Grand Isle Counties has representation on the Board of Commissioners. Bakersfield currently has one member regularly represented at Board meetings and one vacancy. The most recent Northwest Regional Plan became effective on October 3, 2007. The Bakersfield Town Plan will be reviewed by the Regional Planning Commission in order to ensure compatibility and receive regional confirmation and approval.

Based on this analysis, none of the goals, objectives or recommendations in the Bakersfield Town Plan will adversely affect the plans or development trends of the neighboring communities or the region. Bakersfield will continue to work with neighboring municipalities when implementing this plan.

Chapter 12. Implementation Plan

Throughout this Town Plan, goals and policies have been identified which are intended to move Bakersfield closer to the vision described in Chapter 1. There are a number of ways that towns can implement a town plan, including but not limited to:

- Plans and studies;
- Land Use Regulations, including zoning and subdivision regulations;
- Financial measures including capital expenditures for town facilities, use of town resources, tax policies, and grants; and
- Public education and outreach.

Furthering the goals and policies of the town plan is not only the responsibility of the Planning Commission or Selectboard, but of all town boards, employees, and citizens. A list of municipal roles and responsibilities is included as Appendix II of this Town Plan.

Top Action Items

Over the next five years the Bakersfield Selectboard, Planning Commission and other groups are **strongly** recommended to take action to implement the following:

Selectboard

The Selectboard should...

1. Assist the Planning Commission in updating the zoning bylaws to reflect the goals and policies of the 2009 Bakersfield Town Plan.
2. Facilitate the Planning Commission's efforts to apply for village designation for Bakersfield village through the Vermont Downtown Program.
3. Continue to work with and seek support from other agencies and organizations in the process of achieving the goals that were set forth in the Town Plan.
4. Seek opportunities for ongoing training and education.
5. Seek ongoing input into planning decisions.

Planning Commission

The Planning Commission should...

1. Take the lead in updating Zoning and Subdivision Ordinances to reflect the goals and policies of the 2009 Bakersfield Town Plan.
2. Take the lead on an application to earn village designation for Bakersfield village through the Vermont Downtown Program.
3. Continue to work with and seek support from other agencies and organizations in the process of achieving the goals that were set forth in the Town Plan.
4. Seek opportunities for ongoing training and education.
5. Seek ongoing input into planning decisions.

Bakersfield Historical Society

The Historical Society should...

1. Assist the Bakersfield Planning Commission in the Bakersfield village designation application.

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Appendix I. Summary of Goals and Policies

Historic and Archaeological Resources

Goals:

- To preserve important historic and archaeological resources in Bakersfield
- To recognize and respect Bakersfield's rich history in decisions regarding land use and development

Policies:

- Protect sites of archaeological and/or historical significance
- Encourage the adaptive reuse of the Brigham Academy and other historic buildings to meet the needs of the community
- Encourage efforts to secure grants and raise funds for the preservation of historic and archaeological resources
- Identify sites of potential archaeological and/or historical significance, and produce a document and map that locates and describes these sites
- Encourage appropriate land use and building design that is compatible with the historic character of the village
- Encourage the planting of trees in the schoolyard and parks, and throughout the town

Utilities, Facilities and Services

Goals:

- To provide municipal services and facilities that adequately protect the health, safety and welfare of the people of Bakersfield
- To provide for the physical safety of residents with high quality fire, emergency medical, and law enforcement services
- To promote communication of Bakersfield residents with each other and with a wider community

Policies:

- Look ahead and predict the town's future needs in regard to public facilities and services based on patterns of growth and development
- Consider other growth control measures, including development of a capital budget, a yearly limit on the maximum number of building permits, and phasing of building construction, to reduce the impact of development on municipal services
- Identify equipment and facilities that need to be upgraded and develop methods of financing the replacements
- Evaluate the extension of municipal services based on system adequacy and fiscal feasibility
- Explore opportunities to coordinate in the provision of septic services for buildings within the village core

- Consider if and when a municipal wastewater system would be appropriate and cost effective to service the village area
- Ensure that the municipal water system continues to provide adequate, healthy, clean drinking water for village residents and that the water supply remains public and is not privatized
- Identify and pursue opportunities for funding to enhance police protection in Bakersfield
- Continue to recruit and train volunteers for fire and emergency services
- Consider opportunities for the adaptive reuse of historic buildings
- Provide adequate recreational facilities to meet the needs of community residents
- Encourage intergenerational programs that promote healthful living
- Restore the Brigham Academy building to serve as a multi-purpose municipal facility for education, senior/affordable housing, recreation, and/or other community use
- Ensure that designated emergency shelters are handicap accessible and properly equipped
- Continue to provide library services that meet the needs of the community
- Support efforts to educate residents about solid waste disposal and recycling options, currently available through NWSWD, in order to reduce junk and hazardous materials from being disposed of improperly
- Discourage the unregulated storage of unlicensed vehicles and other waste on properties in Bakersfield and encourage clean-up of existing sites
- Support the enhancement of the telecommunications network when such facilities do not have significant adverse health, environmental or scenic impacts
- Establish and maintain a website that provides information on Bakersfield town governance and a calendar of town activities
- Support the retention of the US Post Office in the village

Transportation

Goals:

- To provide and maintain a safe, convenient, cost-effective, and functional transportation network for vehicular, pedestrian, and recreational use within the town
- To promote public transit and carpooling and to provide commuter parking

Policies:

- Assure the town's ability to provide public safety for any development by town regulation of all classes of roads, including access to private roads
- Maintain town roads and bridges according to a systematic review of condition and levels of use
- Reclassify Class 4 roads, which are not expected to serve public uses for motorized traffic, to legal trail status so that they may continue to be used for recreational uses with the right-of-way kept for future use

- Ensure that Class 4 roads that are in public use are included in the town's VAOT General Highway map prior to February of 2009
- Conduct research to determine the location of unidentified "ancient" roads in Bakersfield and consider whether it is appropriate to retain them as public assets
- Provide road signs, where necessary, for safety and traffic control purposes
- Assess the traffic impact of any new development on local roads before granting building or subdivision permits
- Limit road or driveway extension into important resource areas, including critical natural areas, wellhead protection areas, large blocks of intact forest, and important agricultural lands
- Design all future roads, including culverts and ditching, that are to be taken over and/or maintained by the town to standards approved by the Selectboard
- Maintain the scenic character of the town's rural byways
- Participate in the Northwest Regional Planning Commission's Transportation Advisory Committee (TAC)
- Encourage the construction of sidewalks within the village, including the current Bakersfield Sidewalk Project, to provide improved pedestrian access and safety
- Reduce the speed limit to 25 miles/hour within the Village District

Energy

Goals:

- To promote energy efficiency, availability, and affordability through conservation and sustainable management of renewable energy resources
- To ensure public health and safety, aesthetic and environmental quality through the most efficient and environmentally sound use of energy
- To support renewable energy systems that are appropriately sited, scaled and consistent with the environmental, aesthetic and cultural values of Bakersfield

Policies:

- Consider and promote energy efficiency as a factor in all new construction or renovation of public, residential, and community buildings
- Encourage conservation of fuel used for transportation by supporting local and in-home businesses, residential development near the village center, clustering of buildings in planned unit developments, car-pooling and improved efficiency of municipal vehicles
- Solicit advice from organizations that provide consumers with information on how to become more energy efficient
- Encourage appropriate development and use of renewable sources of electricity
- Encourage local and renewable resources for heating, including wood heat from clean burning wood stoves
- Minimize visual effects of electrical generation, transmission, and distribution facilities
- Promote state and regional mass transit programs that serve Bakersfield

Education and Childcare

Goals:

- To provide exemplary educational services to the children of Bakersfield.
- To ensure that regulation of land development in Bakersfield does not negatively impact the availability of safe and affordable childcare

Policies:

- Establish fair and effective measures to control the pace and impact of development on educational services.
- Assess the need for and availability of childcare services in Bakersfield
- Support programs such as “Caring Communities,” the Teen Center, and “Success by Six”
- Encourage pre-school at the public school
- Support restoration of existing buildings that can provide code compliant space for intergenerational education and childcare services.

Natural Resources

Goals:

- To protect the natural integrity and quality of wetlands and watercourses, wildlife habitats, ground water and aquifers, populations of rare and endangered species, forests and all other irreplaceable natural resources
- To enhance environmental quality, preserve the character of Bakersfield, and protect its natural assets

Policies:

- Prohibit all land development on slopes greater than 25 percent and maintain vegetative cover
- Conduct development on slopes greater than 15 percent carefully in order to avoid environmental degradation and conditions that create health hazards
- Carefully control runoff and erosion should during all phases of construction
- Inventory the town for high quality wetlands and watercourses, wildlife habitats, ground water and aquifers, populations of rare and endangered species, forests or other natural resources
- Restrict the density of development in these critical areas to levels that will have minimal impact
- Protect groundwater resources by prohibiting development in those areas where the water table is less than 1.5 feet below the surface
- Permit development only in a manner that is safe to existing water supplies, both public and private
- Prohibit new construction within the Wellhead Protection Area, as designated by the Vermont DEC
- Minimize the impact of development on streams and floodplains to allow them to perform their natural functions

- Encourage the use of Low Impact Development (LID) strategies to treat stormwater on-site
- Promote the natural balance of the hydrologic regime by controlling excess runoff and maintaining natural water infiltration and storage capacities
- Encourage development within shoreline areas of streams, lakes or ponds that is compatible with the natural beauty of the area
- Require sufficient setbacks to prevent erosion along streambanks or shorelands and pollution from subsurface sewage disposal systems, and to retain visual and physical access to the water bodies
- Prohibit land development resulting in the loss of wetland storage capacity
- Prohibit additions to wetlands of any substances that are likely to increase the concentration of materials beyond their assimilative capacities
- Promote development in proximity to wetlands and streams that preserves their value for education, science, aesthetics and recreation
- Incorporate vegetated buffers into Bakersfield's zoning bylaws in order to better protect water quality
- Develop and utilize Fluvial Erosion Hazard Maps to minimize losses from flooding and erosion
- Develop a plan to establish a town forest

Housing

Goals:

- To ensure the provision of adequate, safe and affordable housing for all income and age groups in an environment this is safe and visually attractive
- To promote new and renovated residential development that reinforces and reflects the traditional forms and historic patterns of residential community settlements and utilizes existing and planned infrastructure efficiently
- To encourage construction and renovation of housing that promotes energy efficiency

Policies:

- Promote innovative approaches to developing affordable housing, including planned unit developments
- Determine residential densities on the basis of topography, soil conditions, proximity to highways, cost of providing mandated public services, and conservation of natural resources, as well as capacity to meet Vermont Health Department requirements
- Conserve and protect the quality and vitality of existing residential neighborhoods or areas, and encourage the renovation of old and deteriorating dwellings
- Encourage siting of new housing development to preserve the greatest amount of open space and blend harmoniously with the surrounding landscape
- Allow the building of accessory apartments within or attached to single family residences, which provide supervision and affordable care for disabled or elderly persons, in accordance with state law

- Support efforts that assist elderly and disabled residents who want to remain in their homes, and community-based health care systems that enable elderly and disabled people to remain in their communities
- To the extent possible, locate new housing for elderly and disabled residents in proximity to Bakersfield village and existing infrastructure and services, including consideration of the Brigham Academy building for this purpose.
- Promote the use of natural, non-toxic energy efficient materials in the renovation and the construction of buildings

Land Use

Goals:

- To maintain Bakersfield's rural character and scenic resources through informed land use decisions
- To promote a vision of future growth that respects traditional patterns of development, and that does not compromise the integrity of natural, historic and cultural resources
- To establish public policies that balance development with the town's ability to provide services
- To protect and promote the continuation of agriculture and forestry as integral component's of Bakersfield's local economy and culture through land use planning

Policies:

- Encourage low development densities where low levels of services are provided, and higher densities only where residences and businesses can be properly served
- Design clustered housing, including housing specifically designed to be affordable, to fit into the cultural, aesthetic, and natural resource landscape of Bakersfield
- Promote anti-sprawl initiatives as a measure to maintain the appropriate use of the town's land resources
- Protect the vitality and importance of the village center by designating it as the primary focus for commerce, while simultaneously preserving its essential historic character and beauty
- Promote new development where there is existing infrastructure (roads, power, and water) and discourage development in areas without existing infrastructure
- Discourage development in areas which are hazardous to human health and safety
- In subdivision review, encourage lot layouts that respect the natural features of the landscape and do not create long, narrow lots which contribute to sprawl and waste irreplaceable agricultural and silvicultural resources
- Protect prime recreational resources from incompatible land uses and protect scenic qualities of agricultural, forest and riparian lands from unnecessary despoliation
- Permit development only in a manner that is safe for existing drinking water supplies, both public and private

- Protect water quality by limiting development in Wellhead Protection Areas, wetlands, and along stream banks
- Protect river corridors by establishing a minimum setback or “buffer” between development and the streambank
- Promote environmentally sound construction practices, including control of runoff and erosion during all phases of construction
- Protect scenic ridgelines by regulating their development, including the siting of cellular and wind towers
- Steer development away from areas where soils will not support it due to shallow depth to bedrock, instability, or high water table
- Prohibit land development on slopes greater than 25 percent, and maintain vegetative cover
- Conduct development on slopes greater than 15 percent carefully in order to avoid environmental degradation and conditions that create health hazards
- Protect public health, welfare, and safety by prohibiting development in the flood plain and continuing to participate in the National Flood Insurance Program (NFIP)
- Support and encourage participation in land preservation measures, such as those promoted by the Vermont Land Trust
- Maintain the character of existing neighborhoods in the town and avoid potential conflicts between incompatible land uses
- Conserve agriculturally productive lands by accommodating development in areas apart from most farming activity and from areas of prime agricultural soils
- Encourage sustainable agricultural and silvicultural practices to both protect the use of land and water resources, and to keep a working rural landscape based on a practice of stewardship
- Strongly encourage landscaping and site design that reduces adverse impacts of new development
- Pursue village designation with the state of Vermont in order to access tax credits, incentives and other funding for village revitalization efforts
- Protect and promote forestry as a valuable land use in Bakersfield through the creation of a town forest
- Promote alternative small farms that produce value-added products such as cheese, yogurt, market garden, and crafts and encourage community supported agriculture (CSA) and agri-tourism.
- Provide incentives for appropriate commercial growth in the Village District
- Support a local farmers market for specialty foods, arts and crafts

Appendix II. Municipal Roles and Responsibilities

Adapted from: <http://www.sec.state.vt.us/municipal/pubs/who'swho.html>

Agent to Convey Real Estate (*appointed*) - Executes the deeds on behalf of the town. 24 V.S.A. § 1061

Auditor (*elected*) – Review and audit all town accounts and prepare the annual town report. Should be very detail oriented. Good writing skills are a plus. 17 V.S.A. § 2649

Building Inspector and Deputy Inspector (*appointed*) - Appointed only in towns that have adopted a building code. Performs inspections and enforces the local building code. 24 V.S.A. § 3102, 3103, 3108

Cemetery Commissioner (*elected*) – Responsible for the care and management of the town’s cemeteries. If no cemetery commissioners are elected the Selectboard fulfills this role. 18 V.S.A. § 5431 et seq

Chairperson for Civil Defense (*appointed*) - responsible for the organization, administration and operation of the local committee that is formed for emergency management in the town or city. The emergency management chairperson is under the direct control of the selectboard but may coordinate his or her emergency management efforts with neighboring towns and cities and with the state emergency management division, and with the federal government. 20 V.S.A. § 6

Collector of Current Taxes (*elected*) - Collects the taxes for the town. In many towns this function is performed by the Treasurer or Town Manager. Should be detail oriented and good with numbers. 17 V.S.A. § 2646(8)

Collector of Delinquent Taxes (*elected*) – Collects delinquent taxes for the town. Should be good with numbers and also able to work with people who are in difficult circumstances. Should also have thick skin. 17 V.S.A. § 2646(9)

Constable (*elected*) – In some towns the constable is the town’s local law enforcement officer, with all powers of search, seizure and arrest within the town. In other towns the constable only has the power to serve civil process, assist the health officer in the discharge of his or her duties, destroy unlicensed dogs, kill injured deer, remove disorderly people from town meeting, and, if the First Constable, to collect taxes, if no tax collector is elected. Should be good at de-escalating and resolving conflicts. 17 V.S.A. § 2646(7)

Conservation Commission Members (*appointed*) – Inventory the natural resources of a community and purchase and administer municipal lands for the purpose of conservation. 24 V.S.A. § 4502

Fence Viewers (*appointed*) - Three viewers are appointed by the selectboard each year. When called upon, they examine fences and other boundaries within the town. 24 V.S.A. § 871

Grand Juror (*elected*) – Helps to prosecute criminal offenses that occur in the town by giving information to state and local law enforcement. (Generally not a very active position.) 17 V.S.A. § 2646(10)

Health Officer (*appointed*) - Appointed by the Commissioner of Health to a 3-year term after recommendation by the town selectboard. Enforces the rules and regulations for the prevention and abatement of public health hazards. 18 V.S.A. § 601

Inspectors of Lumber (*appointed*) – Appointed upon request to examine, measure, and classify the quality of lumber, shingles and wood sold within the town. 24 V.S.A. § 871

Inspector of Wiring (*appointed*) – Inspects electrical wiring in buildings on request of the selectboard. 24 V.S.A. § 1033

Listers (*elected*) – Appraise property within the town for the purpose of property tax assessment. Should be able to be polite, yet firm, and not be oversensitive to criticism. 17 V.S.A. § 2646(5)

Moderator (*elected*) – Runs the Annual and Special Town/School Meeting. Should have a good sense of humor, be good at group process, and have experience following Roberts Rules of Order. 17 V.S.A. § 2646(1)

Municipal manager (*appointed*) - If the manager system has been adopted by the electorate, the town manager is the official administrator of local government and has general supervisor of the affairs of the town. 24 V.S.A. § 1232, 1233

Patrolmen (*elected*) – Patrols town highways under the direction of the selectboard – if the town so orders. (Generally not an active position.) 17 V.S.A. 2646(15)

Planning Commissioners (*appointed or elected*) - Appointed unless town votes to elect. Duties include preparing a municipal plan, making recommendations on matters of land development, conservation, and preservation, and participating in a regional planning program. Makes site plan and subdivision permit decisions unless there is a Development Review Board in town. Should have a good working knowledge of all aspects of the town and be able to listen to many sides of an issue. 24 V.S.A. § 4323

Poundkeeper (*appointed*) – Cares for the animals that are impounded within the town. 20 V.S.A. § 3381

Regional Planning Commission Representative (*appointed*) – Helps develop the regional plan and assess municipal land use plans. 24 V.S.A. § 4341 et seq.

Road Commissioners (*elected or appointed*) – Can be elected or appointed. Has no independent authority, but can assist the selectboard in overseeing town highways at the request of the board. Should have experience with town highways and be a good communicator. 17 V.S.A. § 2646(16), 17 V.S.A. § 2651

Selectboard members (*elected*) – General supervision and control over town, enacts ordinances, regulations and policies for town, oversees town property and personnel, prepares, presents and manages budget, oversees roads, including laying out, discontinuing and reclassifying roads. Sits as local board of health, liquor control commission and sewer commission. Should know the

town well, be able to understand all sides of complex issues, and have very thick skin. 17 V.S.A. § 2646(4); 17 V.S.A. § 2649

Town Administrator (*appointed*) - Hired by the selectboard, the town administrator, sometimes called the administrative assistant to the selectboard, assists the selectboard in managing the business of the town. The town administrator has no independent statutory authority. The scope of his or her duties is determined by the selectboard.

Town Agent (*elected*) – The town agent used to prosecute and defend suits. The selectboard now have that authority. Thus, the Town Agent’s duty consists merely of assisting when litigation is in progress at the request of the selectboard. (Generally not a very active position.) 17 V.S.A. § 2646(11)

Town Clerk (*elected*) — Records, preserves and certifies the public records of the town, issues dog, marriage, civil union and hunting and fishing licenses and motor vehicle renewals. Runs the local elections, serves as clerk of the Board of Civil Authority, and hears tax abatement requests and tax appeals. Should have the patience of a saint and be a good ambassador for the town. 17 V.S.A. § 2646(2)

Town Energy Coordinator (*appointed*) – Responsible for developing the town energy plan and conducting the town energy audit. 24 V.S.A. § 1131

Town Forest Fire Warden (*appointed*) - Appointed by the fire commissioner with the approval of the selectboard. Prevents forest fires in the town by enforcing the laws designed to prevent forest fires. 10 V.S.A. § 2641

Town Services Officer (*appointed*) - Appointed on or before April 15th of each year. Assists individuals within the town who require emergency food, fuel or shelter assistance when the Vermont Department of Social Welfare is not available. 33 V.S.A. § 2102 et seq.

Town Treasurer (*elected*) - Keeps the town and school’s accounts (unless a separate school treasurer is elected), invests money (with the approval of the legislative body,) keeps a record of the taxes voted and pays orders drawn on him or her. Should be very precise, detail oriented and good at math. 17 V.S.A. § 2646(3)

Town Tree Warden (*appointed*) - Plans and implements a shade tree preservation program for the purpose of shading and beautifying public places. Removes diseased, dying or dead trees which create a hazard to public safety or threaten the effectiveness of disease or insect control programs. 24 V.S.A. § 871

Trustee of Public Funds (*elected*) – Manages, invests and reports on real and personal property held in trust by the town. This includes cemetery trust funds. Should like investing money. 17 V.S.A. § 2646(12); 24 V.S.A. § 2431 et seq.

Trustee of Public Money (*elected*) – Oversees "United States Public Money" received under the Act of 1836 held by the town. (It is unlikely any Vermont town still has these funds.) 17 V.S.A. § 2646(13)

Water Commissioners (*elected or appointed*) –Water commissioners supervise the town’s water department by establishing water rates and all the rules and regulations for the control and operation of the department. Should be a good manager and detail oriented. 17 V.S.A.§2646(17), 17 V.S.A. § 2652

Weighers of Coal (*appointed*) – Serves as a referee over weights of contested loads of coal. 24 V.S.A. § 871

Zoning administrator (*appointed*) - Appointed by the planning commission with the approval of the selectboard. Approves or denies applications for zoning permits. Administers the municipal bylaws literally. Enforces regulations pertaining to the zoning ordinance. 24 V.S.A. § 4448

Zoning board of adjustment or development review board members (*appointed*) –Holds hearings and makes decisions on land use permit applications and appeals from decisions of the zoning administrator. 24 V.S.A. § 4460