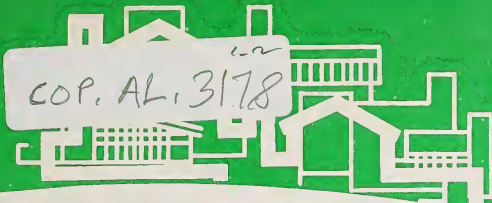
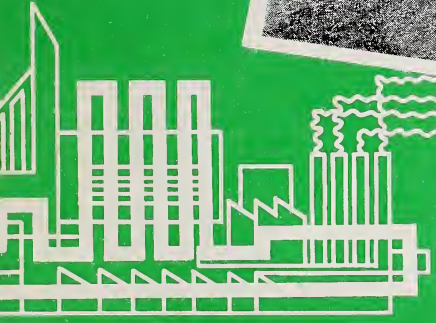


Bowden (Alta)



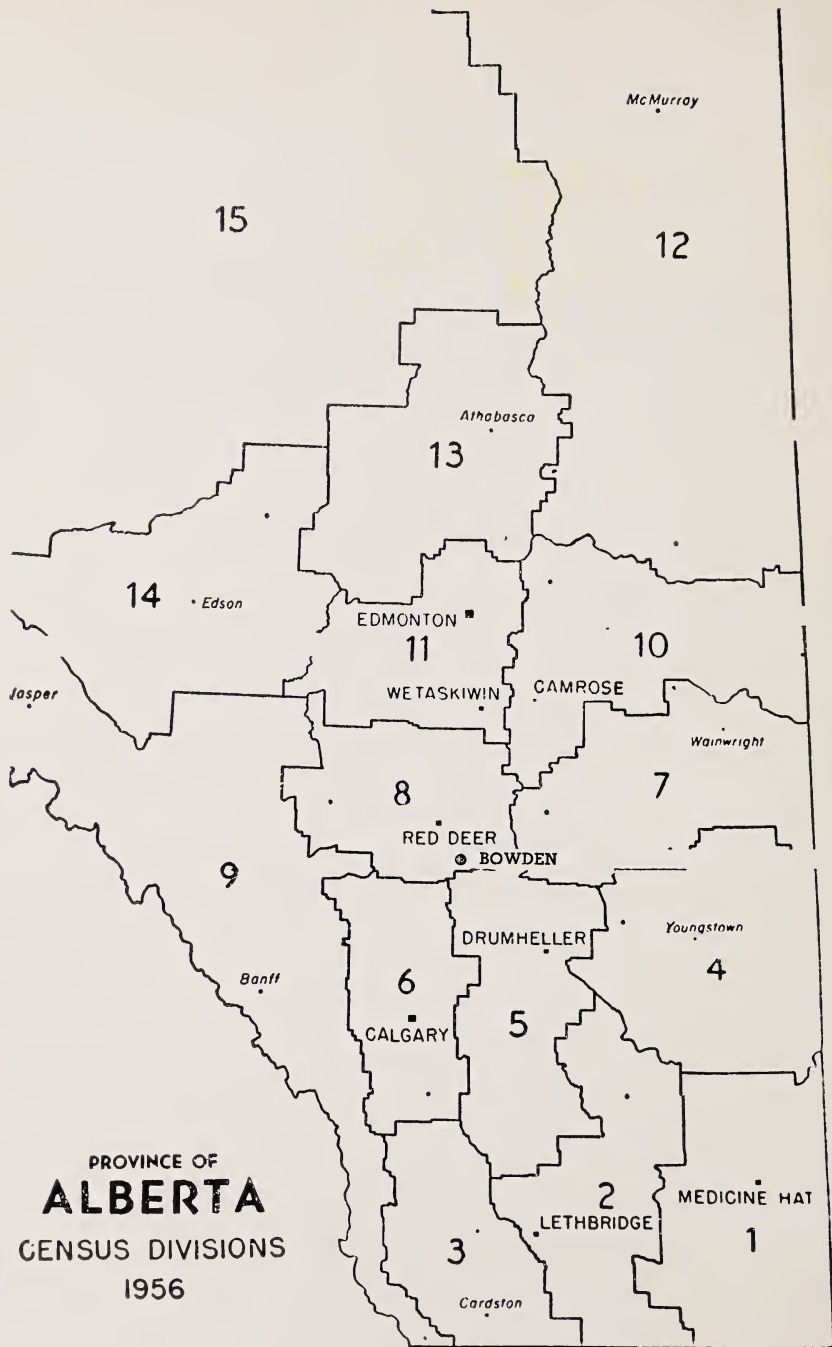
Survey of

BOWDEN



Prepared By

INDUSTRIAL DEVELOPMENT BRANCH
DEPARTMENT OF INDUSTRY & DEVELOPMENT
Government of the Province of Alberta



PROVINCE OF
ALBERTA
 CENSUS DIVISIONS
 1956

Village of Bowden

(Revised October 1963)

1. LOCATION

Section 23-34-1-W5 in Census Division No. 8. Bowden is 27 miles south of Red Deer on the Calgary - Edmonton branch of the Canadian Pacific Railway and on Highway No. 2.

2. ALTITUDE

3,275 feet. Latitude - 51/55 Longitude - 114/02

3. TEMPERATURE

Average summer - 54 degrees F.

Average winter - 23 degrees F.

Average annual - 36 degrees F.

4. RAINFALL

Average annual rainfall - 15.74 inches.

Average annual snowfall - 49.9 inches.

Average annual precipitation - 20.63 inches.

(Note - Sections 3 and 4 are taken from the weather station at Olds.)

5. GEOLOGY

The underlying rocks in the Bowden district are shales and sandstones which were deposited by the streams in lakes and deltas. They were thus fresh water in origin and are several hundred feet thick. The rocks are grouped together by geologists who call them the Paskapoo Formation, and give them an early Tertiary Age, which began some fifty million years ago. Since these rocks were deposited, the North American Continent has been uplifted; consequently, the rocks have eroded and only a fraction of their original thickness remains. During the Ice Age glaciers moved over this area, depositing boulder clay on the surface and similar glacial deposits. Many of the hills and smaller elevations in this area consist of glacial deposits.

6. SOIL

Bowden is in the black soil zone.

Vegetation - Grassland which has been partially invaded by woodlands (mainly deciduous trees) often referred to as parkland.

Soil Profile - The normal profile has a black to very dark brown surface horizon that averages about 12 to 14 inches in depth. The more compact horizon is brown to dark brown and the lime layer is usually found 30 to 40 inches below the surface.

Fertility - Soils in this zone are the most fertile in the province and they have in their surface foot, three to four times as much nitrogen and organic matter as there is in the average brown or grey wooded soil.

Land Use - A high percentage of the zone is arable. Wheat of fairly good quality can be grown, but mixed farming, including the use of fertilizers when needed, is most popular from the standpoint of both profit and permanence.

7. HISTORY

Prior to the Agricultural survey of 1885, the Bowden district settlers

were engaged in ranching, but following the survey, they changed to mixed farming. The Edmonton - Calgary branch of the Canadian Pacific Railway was completed to Bowden in 1891, and with the arrival of the railroad came a large influx of settlers. As the railway failed to reach an agreement with the land owners on the purchase price of property for a townsite, it was decided to locate the new townsite one and a half miles north of the existing site on property owned by the railroad. This change in location forced all business establishments to move to the new site.

The first church in the district was Anglican, followed by a Presbyterian Church. In 1904 the first hotel was built, and the following year a four-roomed brick school house was completed. Bowden was incorporated as a village in 1904.

In the early 1900's the settlers' main source of income was from hay and dairy products, and by 1906 the local output of butter amounted to 145,000 pounds, the second largest in the province.

Over a period of years fire has plagued the growth of the village, destroying the business section in 1906, the general store in 1923, between 70 and 80 buildings in 1925, and the creamery in 1935. In 1954 a propane gas explosion destroyed the first building which had been built in the village.

In 1959, Canadian Oil Companies Limited commenced construction of a \$4,000,000 refinery in the district, and with the completion of the plant the economy of the village and district has been greatly improved. In 1960 a \$4,000,000 natural gas processing plant was constructed, creating employment for 30 to 40 persons.



A view of one of the main streets of the town.

8 LIVING CONDITIONS

Bowden is the shopping and education centre for a prosperous mixed farming area.

The Red Lodge Provincial Park is located nine miles west of the village. It is located on a river and is surrounded by stalwart evergreens and native poplar trees. This is a favourite summer spot for many of the local residents. The park is well equipped with playground accessories, a wading pool, ball diamond, horse shoe pitch, etc. There are inside and out of door camp kitchens as well as picnic tables. The park is served with rural electrification.

For the sportsman there is good hunting and fishing in the area.

There are approximately 180 homes in the village and about 80% of them are owner occupied.

9. ADMINISTRATION

The village is governed by a mayor selected from the council for a one year term and four councillors, two elected each year for a three year term. The secretary-treasurer administers the affairs of the village in accordance with the policies set by the council.

10. LAWS AND REGULATIONS

The village hires one police constable.

Building Regulations - Bowden is a member of the Red Deer and District Planning Commission. All new buildings, repairs to buildings or removal of buildings must first be approved by council after which a permit is issued.

Electrical installations must comply with the Alberta Electrical Protection Act.

Sanitary installations must comply with the Provincial Health Regulations.

Gas installations must comply with the Alberta Gas Protection Act.

11. FIRE PROTECTION

The fire brigade consists of a fire chief and 15 volunteer firemen.

Equipment - One 1956 - 500 GPM pumper with 420 gallon tank, 900 feet of 2½ inch hose, 250 feet of 1½ inch hose, spray nozzle, ladders, coats, boots, axes, etc.

Water Supply - Water is obtained from wells and is pumped into a 40,000 gallon elevated tower and a 3,000 gallon reservoir.

There are 12 fire hydrants conveniently located throughout the village.

12. TAX STRUCTURE

	1963 Net Assessment
Land, 100% of value	\$ 50,790
Improvements, 60% of 1958 value	560,370
Business	87,450
Power	8,970
Pipelines	7,460
Total Assessment	<u>\$745,379</u>

Mill Rate

Municipal	School	Hospital	Total
34	25	5	64 mills

13. AREAS

Total area of village - 150.9 acres.
 Streets and lanes - 16 acres.
 Parks and playgrounds - 15 acres.

Miles of Roads, Streets and Lanes

	Gravel	Other Surfaces	Improved Earth	Total
Streets and roads	2.5	.75	.25	3.5
Lanes	1	.25	.25	1.5
			Total Miles	5

There are approximately 2.5 miles of cement sidewalk.

14. SEWER AND WATER MAIN MILEAGE

Storm sewers - nil.
 Sanitary sewers - 1.5 miles.
 Water mains - 2 miles.

15. POWER

Three phase 60 cycle power is supplied under a franchise to Calgary Power Limited.



In recent years, a modern school was built to serve students of town and district.

Domestic Rates

Available only for lighting, cooking, domestic power and other ordinary uses in private houses and individual apartments used exclusively for residential purposes.

First 20 KWH or less used per month - \$2.60 gross minimum, subject to 30c prompt payment discount, making - \$2.30 net minimum.

All over 20 KWH used per month - 1.5c net per KWH.

The above are monthly rates but meters normally are read, and bills rendered, every two months, or three months in the case of rural service.

Discount - The discount for prompt payment is the difference between the gross and net minimum charge. The energy rates are net.

Commercial Rates

Available for all purposes where other rates listed do not apply.

Demand charge - per KVA - \$1.00.

First 100 KWH used per month Energy consumption (per KVA of demand) - 5c per KWH.

Excess KWH used per month Energy consumption (per KVA of demand) - 1½c per KWH.

"Demand" is the maximum 30 minute rate of power delivery expressed in Kilivold-amperes (KVA), during the previous 12 months, and not less than 1 KVA. Alternatively, the demand may, at the company's option, be measured and billed in Kilowatts or may be estimated by testing or from the consumer's connected load.

Minimum charge is the demand charge but not less than the domestic service minimum for the same location.

The above are net rates applicable to accounts paid within 10 days of the date rendered. Net bills are increased by 5% and not less than 30c, after the discount date. The rates are quoted on a monthly basis but meters normally are read and bills rendered every two months, or three months in the case of rural services.

Power Rates

Available only for three-phase motors or x-ray apparatus, welding transformers, etc., of rated capacity 3 horsepower (or KVA) and over.

Demand charge - Per KVA of installation (monthly charge) - \$1.00.

One motor horsepower or one kilowatt in heating apparatus considered equal to one kilovolt-ampere (KVA). The company may, at its option, estimate the demand or may install a thermal demand meter. When a demand meter is installed the billing demand is the maximum 30 minute KVA demand in the preceding 12 months.

Energy charge - First 50 KWH per month per KVA of installation - 5c per KWH.

Next 50 KWH per month per KVA of installation - 3 1/3c per KWH.

All over 100 KWH per month per KVA of installation - 1 2/3c per KWH.

Discount - 10% - 10 days based on the dollars only.

Minimum charge - \$3.00 net, or demand charge if greater.

The rates are quoted on a monthly basis but meters normally are read and bills rendered every two months, or three months in the case of rural services.

16. WATER

Water is obtained from three wells, each 200 feet deep. The water is pumped into a 40,000 gallon elevated tower and a 3,000 gallon reservoir and then into the water mains. There is ample supply of water available for domestic or industrial use.

Domestic Rates

Monthly rate - \$4.00 plus \$3.00 sewerage charge.

Commercial rate - Monthly flat rate - \$4.00 plus \$3.00 to \$30.00 sewerage charge.

Water Analysis

Parts per Million

Total solids	558
Ignition Loss	104
Hardness	150
Sulphates	62
Chlorides	29
Alkalinity	350
Nature of Alkalinity - Bicarbonate of Lime, Magnesium and a trace of Soda.	
Nitrites	nil
Nitrates	nil
Iron	.4
Fluorine	nil

Remarks: Chemically this water is suitable.



Local residents are justly proud of the gardens that surround many local homes.

17. GAS

Natural gas is supplied under a franchise by the Canadian Western Natural Gas Company Limited.

Rate No. 1 - General

Available to all customers.

First 2 MCF or less used per month - \$3.00

All additional MCF used per month - 51c per MCF.

Minimum monthly charge - \$3.00.

When accounts are not paid on or before the due date, the charge per MCF other than the first 2 MCF shall be increased by 4c and the gross rate so arrived at shall apply.

Rate No. 2 - Optional

A) Available to all customers whose annual consumption is more than 2,800 MCF.

Fixed charge - \$35.00 per month.

Plus commodity charge - 37c per MCF.

Minimum monthly charge - \$35.00.

When accounts are not paid on or before the due date, the charge per MCF shall be increased by 3c and the gross rate so arrived at shall apply.

B) Available to all customers whose annual consumption is more than 150,000 MCF.

Fixed charge - \$300.00 per month.

Plus commodity charge - 35c per MCF.

Minimum monthly charge - \$300.00.

General Conditions

Rate No. 2 schedules are available only on annual contract, which shall continue from year to year thereafter until either party shall give to the other party, at least thirty days prior to the expiration of any such year, a written notice of desire to terminate same, whereupon at the expiration of such year, it shall cease and determine.

18. L.P. GAS

Heat Value - 2,521 b.t.u. per cu. ft. at 60 degrees F.

100 lb. cylinders - \$6.50.

Bulk - 15c per gallon.

Storage capacity - 25,000 gallons.

19. DIESEL FUEL

Heat value - 135,000 to 140,000 b.t.u. per gallon at 60 degrees F.

Winter grade - 18.2c per gallon.

Summer grade - 17.2c per gallon.

Storage capacity - 15,000 gallons.

20. COAL

No coal is used in the village .

21. RESOURCES

Wheat and coarse grains, horses, cattle, sheep, hogs, poultry products, dairy products, straw, sand, gravel, oil and gas.

22. GOVERNMENT OFFICES AND SERVICES

Federal

Post Office.

Provincial

Alberta Government Telephones, Alberta Treasury Branch Agency, Red Lodge Provincial Park (9 miles west).

Municipal

Village Hall housing Council Chamber, Secretary-Treasurer, Police Department, Utility Man, Fire Department.

23. HEALTH SERVICES

There is no hospital in the village. Bowden is a unit of the Innisfail Hospital District No. 16.

Health Facilities

Red Deer Health Unit maintains continuous service in the village when required.

Clinic of doctors - office hours - 2 to 6 p.m. daily, 1 drug store.



Modern new residences are being erected in large numbers in the town.

Bowden is a member of the Parkland Foundation, operating a Senior Citizens Home at Innisfail.

24. PROFESSIONAL AND SKILLED PERSONAL SERVICES

(Excluding Health Services)

Type of Service	No. of Establishments
Accountant	1
Barbers	1
Beauty Parlors	2

25. TRANSPORTATION

Canadian Pacific Railway - three trains daily each way between Calgary and Edmonton via Bowden. Trains stop on flag only.

Greyhound Bus Lines - six buses daily each way, Calgary to Edmonton, via Bowden.

Numerous truck firms pass through Bowden going north and south.

26. NEWSPAPERS

Nil.

27. COMMUNICATIONS

Alberta Government Telephones, Canadian Pacific Telegraphs, Post Office.

Nearest Radio Station - Red Deer (CKRD).

Nearest T.V. Station - Red Deer (CHCA - TV).

Good radio and TV reception from Calgary.

28. FINANCIAL FACILITIES

Bank of Nova Scotia, Alberta Treasury Branch Agency.

29. HOTELS

	No. of Rooms	Rates	Licensed
Bowden Hotel	16	\$2.50 up	yes

30. TOURIST CAMP

Nil.

Trailer Park.

Bowden Trailer Park, Alberta Government Park, Red Lodge Park.

31. CHURCHES

Anglican, Nazarene, United.

32. LODGES AND SERVICE CLUBS

Masonic, Order of the Eastern Star, I.O.O.F., Rebekah's, Chamber of Commerce and Agriculture, Canadian Legion, Women's Auxiliary Canadian Legion, Women's Institute.

33. SOCIETIES AND ASSOCIATIONS

Red Cross Society, Home and School Association, Livestock Marketing Association, Community Hall Association, Bowden Cemetery Association, Athletic Association, Bowden Library Association.

34. EDUCATION

The village school district is a unit of the Red Deer School Division. Grades 1 to 11 are taught at the school, the grade 12 students are transported by bus to Red Deer.

The village school population is made up as follows:

	Grades	No. of Teachers	No. of Pupils
Elementary	1-6	7	225
Junior High	7-9	8	117
High	10-11		44

Grade 12 will be taught in the village after the completion of a new addition to the school.

35. THEATRES AND HALLS

	Capacity	Stage	Piano
Community Hall	600	yes	yes
Oddfellows Hall	150	no	yes
Masonic Hall	110	no	yes
Legion Hall	150	no	yes

36. CULTURAL ACTIVITIES

The Bowden Library is a branch of the Parkland Regional Library. The Library is open every Thursday from 12 to 1 p.m. and Saturday from 2 to 5 p.m. The Library is sponsored by the Library Association, Municipal District, Provincial Government grant and membership fees. There are approximately 1,800 volumes in the library.

Other Activities

Handicraft club, art club, dramatic club, voice and piano teacher, square dancing. School activities contribute to the cultural and recreational opportunities of the residents.

37. YOUTH ACTIVITIES

Boys - Scouts, Cubs, 4-H Club.

Girls - C.G.I.T., Explorers, 4-H Club.

38. SPORTS

Baseball (senior and junior), hockey, curling, basketball, swimming at Red Lodge Provincial Park, golf.

Facilities - Covered curling rink (three sheets artificial ice), open air hockey and skating rink, baseball diamond, children's playgrounds, school grounds, 9 hole golf course.

39. FAIRS

Sports day only.

40. HISTORIC SITES

Nil.

41. CO-OPERATIVES

Co-op Livestock Marketing Association, Bowden Mutual Telephone, Alberta Wheat Pool, United Grain Growers, Bowden Credit Union.

42. INDUSTRY AND BUSINESS

Type of Industry or Business	No. of Establishments	Producer or Manufacturer	Wholesale	Retail
Agricultural Feeds and Supplements	1			1
Accountant	1			
Auto Body Shop	1	1		1
Banks	2			
Bakery	1	1	1	1
Barber	1			
Beauty Parlors	2			
Blacksmith	1	1		1
Building Contractor	3			
Building Supplies	1		1	1
Butcher Shops	2			2
Cartage Delivery	1			
Cattle Buyer	1			
Clothing (men's)	1			1
Clothing (women's and children's)	2			2
Coal Dealer	1			1
Cold Storage Locker and Processing	1	1	1	1
Concrete Products	1		1	1
Creamery	1	1	1	1
Drug Store	1			1
Electrical Appliances	1			1
Electrical Contractor	1			
Electrical Repairs	1			
Garages and Service Stations	6			6
Grain Elevators	4 (Total capacity 362,000 bushels)			
Groceries	2			2
Hardware Store	1			1
Hotel	1			
Implements (farm)	2			2
Laundry and Dry Cleaners	2 (agencies)			
Lumber Yard	1		1	1
Machine Shop	1	1	1	
Medical Clinic	1			
Milk Distributors	1		1	1
Music Teachers	2			
Nurseries	1	1	1	1
Novelties	1		1	
Oil Distributor	4		4	
Oil Refinery	1	1	1	
Painter & Decorator	1			
Plumber	1			

Continued:

Type of Industry or Business	No. of Establishments	Producer or Manufacturer	Wholesale	Retail
Pool Room	1			
Propane Gas Distributor	1		1	1
Real Estate and Insurance	2			
Restaurants	3			
Sand and Gravel	1		1	1
Shoe & Saddle Repairs	1	1		1
Shoe Store	1			1
Sulphur Plant	1	1	1	
Trailer Court	1			
Transport	2			
Welding	3	3		3

43. SITES

Good industrial and residential lots can be purchased from the village at reasonable prices. There are no vacant buildings for rent or sale in the village.

44. INDUSTRIAL DEVELOPMENT

Bowden is in the centre of a good mixed farming area. The farm cash income for cattle was 40 percent, grain 33 1/3 per cent, hogs 10 per cent, dairying 10 per cent. The average acres planted were: barley 80, oats 30, wheat 15, tame hay 30, improved pasture 25, summer fallow 50. There are approximately 50 cattle, 5 sheep, and 22 hogs on the average farm.

Farm mechanization in the district is about average for the province, except that with more than 80% of the farms electrified, progress in this regard is above average.

The Canadian Oil Company's refinery and the sulphur extracting plant, located outside of the village has changed the economy of the area and has resulted in approximately 35 additional families moving into Bowden.

45. TRADING AREA

North - 4 miles.

West - 20 miles.

South - 9 miles.

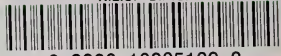
East - 15 miles.

46. POPULATION

Trading area population, 1961 Dominion Census - 4,010.

Village population, 1961 Dominion Census - 437.

N.L.C. - B.N.C.



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