



# Boundary Area Investment Profile 2011

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## Welcome

Thank you for your interest in the Boundary area. We are confident that you will be impressed with the business and lifestyle opportunities that exist in our growing and vibrant region. *Invest Kootenay* is a joint-initiative of local governments, economic development organizations and Chambers of Commerce with the aim of attracting, retaining, and expanding investment. The majority of statistics provided in this profile include the municipality of Grand Forks and rural Electoral Areas C and D of the Kootenay Boundary Regional District, including the communities of Midway, Christina Lake, and Greenwood.



We invite you to come and discover the advantages of doing business in the Kootenay region – where opportunity meets lifestyle. For a customized investor package or to learn more about our Ambassador Program, please contact:

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## Demographics

| <b>Population</b>    |                   |                       |
|----------------------|-------------------|-----------------------|
| <b>Age Group</b>     | <b>Population</b> | <b>% Distribution</b> |
| Under 18 years       | 1,580             | 18.3%                 |
| 18 – 34 years        | 1,150             | 13.3%                 |
| 35 – 54 years        | 2,380             | 27.5%                 |
| 55 – 74 years        | 2,630             | 30.4%                 |
| 75 years and over    | 910               | 10.5%                 |
| Total – Age Groups   | 8,650             | 100.0%                |
| % Change 2001 - 2006 | 1.2%              |                       |
| Median Age           | 49.5              |                       |

|             |       |
|-------------|-------|
| Grand Forks | 4,036 |
| Rural Areas | 4,611 |

| <b>Household Income (2006)</b>  |               |                       |
|---------------------------------|---------------|-----------------------|
| Number of Households in 2006    | 3,805         |                       |
| Median Household Income in 2006 | C \$41,567    |                       |
| <b>Household Income Group</b>   | <b>Number</b> | <b>% Distribution</b> |
| Under - \$35,000 CDN            | 1,520         | 39.9%                 |
| \$35,000 CDN - \$49,999 CDN     | 715           | 18.8%                 |
| \$50,000 CND - \$74,999 CDN     | 710           | 18.7%                 |
| \$75,000 CDN and over           | 845           | 22.2%                 |

*Source: Statistics Canada, Census, 2006*

| <b>Language Knowledge (age 15 to 64) – Ability to Hold a Conversation</b> |                     |                   |
|---|---------------------|-------------------|
|   | <b>Total Number</b> | <b>% of Total</b> |
| English   | 7,245               | 99.6%             |
| Russian   | 800                 | 11.0%             |
| French  | 385                 | 5.3%              |
| German  | 265                 | 3.6%              |
| Panjabi   | 120                 | 1.6%              |
| Spanish   | 90                  | 1.2%              |
| Dutch   | 85                  | 1.2%              |
| Italian   | 45                  | 0.6%              |
| Ukrainian   | 40                  | 0.5%              |
| Hindi   | 40                  | 0.5%              |

*Source: Statistics Canada, Census, 2006*

## Housing

### Average Housing Costs

|                     |           |
|---------------------|-----------|
| Single Family Homes | \$205,726 |
| Multi-Family Homes  | \$141,504 |

### Taxes and Charges on a Representative House

|  |         |
|--|---------|
| Residential Property Taxes and Charges | \$2,126 |
|--|---------|

*Source: Ministry of Community Development, 2007/2008*

## Labour Force

### Labour Force Participation Rate (15-64 years)

|        |       |
|--------|-------|
| Male   | 58.5% |
| Female | 51.8% |
| Total  | 55.0% |

### Civilian Labour Force

|                   |           |
|-------------------|-----------|
| Unemployment Rate | 7% (2006) |
|-------------------|-----------|

### Labour Force by Sector

#### Non-Agricultural Labour Force Reported by Place of Residence

|  | Total Number Employed | % of Total Employed Persons |
|--|-----------------------|-----------------------------|
| Forestry & Logging                             | 115                   | 3.2%                        |
| Mining and Oil & Gas                           | 25                    | 0.7%                        |
| Construction                                   | 285                   | 7.9%                        |
| Manufacturing                                  | 630                   | 17.5%                       |
| Transportation, Warehousing & Public Utilities | 145                   | 4.0%                        |
| Wholesale Trade                                | 60                    | 1.7%                        |
| Retail Trade                                   | 520                   | 14.5%                       |
| Services                                       | 1400                  | 38.9%                       |
| Finance, Insurance, Real Estate & Leasing      | 145                   | 4.0%                        |
| Government                                     | 205                   | 5.7%                        |
| Total  | 3,595                 | 100.0%                      |

*Source: Statistics Canada, Census, 2006*

**Labour Force by Occupation  
Reported by Place of Residence**

|                                     | <b>Total Number Employed</b> | <b>% of Total Employed Persons</b> |
|-------------------------------------|------------------------------|------------------------------------|
| Administrative/Clerical             | 415                          | 11.0%                              |
| Executive                           | 0                            | 0.0%                               |
| Farming/Forestry                    | 215                          | 5.7%                               |
| Labourers/Handlers                  | 565                          | 15.0%                              |
| Machine Operators                   | 370                          | 9.8%                               |
| Management                          | 235                          | 6.2%                               |
| Precision Production                | 80                           | 2.1%                               |
| Professional                        | 145                          | 3.8%                               |
| Protective Services                 | 25                           | 0.7%                               |
| Sales                               | 325                          | 8.6%                               |
| Services                            | 1,030                        | 27.3%                              |
| Technician                          | 275                          | 7.3%                               |
| Transportation and Public Utilities | 90                           | 2.4%                               |
| Total                               | 3,770                        | 100.0%                             |

Source: Statistics Canada, Census, 2006

**Leading Employers**

| <b>Sector</b> | <b>Company</b>                              | <b># Employees</b> |
|---------------|---|--------------------|
| Health        | Interior Health Authority – Boundary Sites  | 250                |
| Education     | School District #51                         | 167                |
| Manufacturing | Roxul (West) Inc.                           | 152                |
| Agriculture   | Bron & Sons Nursery (Feb to Nov)            | 70/80              |
| Retail        | Extra Foods                                 | 90                 |
| Retail        | Overwaitea Foods                            | 59                 |
| Financial     | Grand Forks & District Savings Credit Union | 60                 |
| Construction  | Argosy Construction                         | 50                 |
| Government    | Corporation of the City of Grand Forks      | 36                 |
| Manufacturing | Unifab                                      | 40                 |
| Agriculture   | Advance Orchard Co. Ltd.                    | 40                 |

Source: Invest Kootenay Research 2007; Kootenay Biz Magazine 2009, UBCM website (<http://www.civicnet.bc.ca/siteengine/activepage.asp>), 2009

**Workforce Education Attainment (25-64 Years of Age)**

|   |       |      |
|---|-------|------|
| Less than High School Diploma                 | 680   | 17 % |
| High School Diploma Only                      | 1,350 | 34%  |
| Apprenticeship/Trades Certificate/Diploma     | 695   | 17%  |
| College/University Certificate/Diploma        | 850   | 21%  |
| University Bachelors Degree                   | 265   | 7%   |
| University Medical/Dentistry/Optometry Degree | 0     | 0%   |
| University Graduate Degree/Certificate        | 160   | 4%   |

*Source: Statistics Canada, Census, 2006*

**Economic Dependencies (After-Tax Incomes)**

|                   |     |
|-------------------|-----|
| Public Sector     | 17% |
| Transfer Payments | 24% |
| Forestry          | 23% |
| Other Non-Emp.    | 18% |
| Construction      | 7%  |
| Tourism           | 3%  |
| Other Basic       | 4%  |
| Mining            | 2%  |
| High Tech         | 0%  |
| Agriculture       | 4%  |

*Source: BC Stats Economic Dependencies, 2006*

# Transportation

| <b>Distance to Major Centres</b> |                   |              |
|----------------------------------|-------------------|--------------|
| <b>Metro Area</b>                | <b>Kilometres</b> | <b>Miles</b> |
| Kelowna, BC                      | 209               | 130          |
| Kamloops, BC                     | 364               | 226          |
| Vancouver, BC                    | 521               | 323          |
| Seattle, Washington              | 540               | 336          |
| Victoria, BC                     | 602               | 374          |
| Calgary, AB                      | 709               | 441          |
| Portland, Oregon                 | 769               | 478          |
| Edmonton, AB                     | 1,000             | 621          |

*Source: Invest BC, based on Google Maps, 2009*

| <b>Major Carriers / Trucks</b>              |   |
|---|---|
| No. of Common Carriers Serving the Area     | 5 |
| No. of Common Carriers with Local Terminals | 5 |

*Source: Invest BC, 2006*

## Closest Commercial Airports

| <b>Castlegar Airport</b>  |  |
|---|--|
| Website   | <a href="http://www.castlegar.ca/devserv_air.htm">www.castlegar.ca/devserv_air.htm</a> |
| Hub Status  | Regional   |
| Distance from Community   | 94 kilometers, 58 miles  |
| No. of Runways  | 1  |
| Runway Lengths  | 1,615 metres, 5329.5 ft  |
| Carriers - Passenger  | Air Canada Jazz, Highland Helicopters, High Alpine Air Services, Inc.                  |
| No. of days Closed due to Inclement Weather in the Last 3 Years | 6  |
| Flights to Largest Cities Served                                | Weekly Non-stop flights  |
| Calgary   | 7  |
| Vancouver   | 19   |

| <b>Grand Forks Airport</b> |                        |
|----------------------------|------------------------|
| Distance from Community    | Located in Grand Forks |
| No. of Runways             | 1                      |
| Runway Lengths             | 1310 metres, 4,300 ft. |

### **Kelowna Airport**

|   |  |
|---|--|
| Website   | <a href="http://www.kelownairport.com">www.kelownairport.com</a>           |
| Hub Status  | International  |
| Distance from Community   | 204 kilometers, 127 miles  |
| Hours of Operation  | 4:30 am – 11:30 pm   |
| No. of Runways  | 1  |
| Runway Lengths  | 2,225 meters, 7342.5 ft.   |
| Carriers - Passenger  | Air Canada, Horizon Air, WestJet Airlines, Regional1, Central Mountain Air |
| Carriers - Charter  | Carson Air, Northwestern Air   |
| Carriers - Air Cargo  | Air Canada, Horizon Air, WestJet Airlines, Central MountainAir             |
| No. of days Closed due to Inclement Weather in the Last 3 Years | 0  |
| Total Weekly Non-Stops to All Cities Served                     | 224  |
| Flights to Largest Cities Served                                | Weekly Non-stop Flights  |
| Calgary   | 70   |
| Edmonton  | 35   |
| Seattle   | 28   |
| Vancouver   | 84   |
| Victoria  | 7  |

### **Canadian Rockies International Airport**

|   |  |
|---|--|
| Website   | <a href="http://www.flycanadianrockies.com">www.flycanadianrockies.com</a> |
| Hub Status  | International  |
| Distance from Community   | 325 kilometers, 202 miles  |
| Hours of Operation  | 24 hours / 7 days  |
| No. of Runways  | 1  |
| Runway Lengths  | 1,829 meters   |
| Carriers - Passenger  | Air Canada, Pacific Coastal, Delta   |
| Carriers – Charter  | Kootenay Airways   |
| No. of days Closed due to Inclement Weather in the Last 3 Years | 1  |
| Total Weekly Non-Stops to All Cities Served                     | 56   |
| Flights to Largest Cities Served                                | Weekly Non-stop Flights  |
| Calgary   | 35   |
| Vancouver   | 21   |

| <b>Canadian Border Services Information</b>   |                |
|---|----------------|
| Canadian Rockies Airport  | (250)417-2223  |
| Kingsgate (south of Yahk) 24 yrs.   | (250) 424-5292 |
| Eastport (US side)  | (208) 267-3966 |
| Rykerts (south of Creston)<br>8am – 12am Oct. 31-April 23<br>7am-11pm April 24-Oct 30 | (250) 428-2575 |
| Nelway (south of Salmo) 8am-12am  | (250)357-9940  |
| Port Hill (US side)   | (208) 267-5309 |
| Waneta (south of Fruitvale) 9am-5pm   | (250) 367-9656 |
| Paterson (south of Rossland) 24hrs.<br>US side 8am-12am                               | (250) 362-7341 |
| Cascade (south of Christina Lake) 8am-12am  | (250)447-9418  |

Canadian Border Services Information (1-800-461-9999)

## Taxation

| <b>Municipal Tax Rate (2008)</b> |                    |                  |                       |                       |                 |             |
|----------------------------------|--------------------|------------------|-----------------------|-----------------------|-----------------|-------------|
| <b>Community</b>                 | <b>Residential</b> | <b>Utilities</b> | <b>Major Industry</b> | <b>Light Industry</b> | <b>Business</b> | <b>Farm</b> |
| Grand Forks                      | 2.4653             | 34               | 50.5944               | 11.515                | 9.4743          | 6           |
| Greenwood                        | 5.6727             | 19.8545          | 0                     | 17.0181               | 11.629          | 0           |
| Midway                           | 3.192              | 20.20            | 14                    | 13                    | 6.7             | 4.7         |

\*Dollars of tax per \$1,000 taxable value

Source: UBCM website (<http://www.civicinfo.bc.ca/81.asp>), 2009

| <b>Development Cost Charges: \$ per Square Meter</b> |                   |                   |                    |
|--|-------------------|-------------------|--------------------|
|  | <b>Commercial</b> | <b>Industrial</b> | <b>Residential</b> |
| Grand Forks  | 9.04              | 6.73              | 4812               |

Source: Ministry of Community Development, February 2008

| <b>Corporate Income Tax / Franchise Tax</b> |                       |            |                |
|---|-----------------------|------------|----------------|
| <b>Federal</b>                              | <b>Small Business</b> | <b>Mfg</b> | <b>Non-Mrg</b> |
| Rate (range)                                | 11.0%                 | 19%        | 19%            |
| Formula (e.g. Sales, Property & Payroll)    | N/A                   | N/A        | N/A            |
| Accelerated Depreciation Permitted          | Yes                   | Yes        | Yes            |

| Provincial   |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
| Rate (range)   | 3.5%            | 11.0%           | 11.0%           |
| Formula (e.g. Sales, Property & Payroll)                 | Sales & Payroll | Sales & Payroll | Sales & Payroll |
| Accelerated Depreciation Permitted                       | No              | No              | No              |
| <b>Total Federal and Provincial Corporate Income Tax</b> | <b>14.5%</b>    | <b>30%</b>      | <b>30%</b>      |

Source: InvestBC, 2009

| Personal Income Tax Rate (Range) |               |                    |       |
|----------------------------------|---------------|--------------------|-------|
|                                  | Federal       | Provincial (State) | Local |
| Capital Gains                    | 7.50%-14.50%  | 2.53%-7.35%        | N/A   |
| Earned Income                    | 15.00%-29.00% | 5.06%-14.70%       | N/A   |
| Unearned Income (e.g. Dividend)  | 0.00%-14.55%  | 0.00%-3.92%        | N/A   |

Source: InvestBC, 2009

| Sales / Use Tax Rate                     |      |  |
|--|------|--|
|  | Rate | Notes  |
| Federal (Goods and Service Tax) -- GST   | 5.0% | GST on business inputs is fully recoverable  |
| Local                                    | N/A  | British Columbia has no local sales tax  |
| Provincial (State) Sales Tax -- PST      | 7.0% | Exemptions include: production machinery and equipment, direct materials, catalysts, reagents, software development equipment, construction labour |
| Total (Effective Combined Rate) Business | 7.0% | GST on business inputs is fully recoverable  |

Source: InvestBC, 2009

| Telephone Subject to Sale / Use Tax |      |  |
|-------------------------------------|------|--|
| Type                                | Rate | Notes  |
| Local                               | 7.0% | GST is fully recoverable   |
| Long Distance In Province           | 7.0% | Toll free inbound service is tax-exempt. GST is fully recoverable. |
| Long Distance out of Province       | 7.0% | Toll free inbound service is tax-exempt. GST is fully recoverable. |

Source: InvestBC, 2009

**Sales Tax Rate by Utility**

|                 | <b>Rate</b> | <b>Notes</b>             |
|-----------------|-------------|--------------------------|
| Electric Power  | 7.0%        | GST is fully recoverable |
| Natural Gas     | 7.0%        | GST is fully recoverable |
| Fuel Oil        | 7.0%        | GST is fully recoverable |
| Water           | 0%          |                          |
| Sewer           | 0%          |                          |
| Hazardous Waste | 7.0%        | GST is fully recoverable |

*Source: InvestBC, 2009*

**Machinery & Equipment Subject to Sale / Use Tax**

| <b>Type</b>                             | <b>Rate</b> | <b>Notes</b>   |
|---|-------------|--|
| Production                              | 0%          |  |
| Non-Production                          | 7.0%        | Equipment used directly in software development is tax-exempt. GST is fully recoverable. |
| Pollution Control                       | 0%          | GST is fully recoverable.  |
| Office Furniture / Fixtures / Equipment | 0%          | GST is fully recoverable.  |

*Source: InvestBC, 2009*

**Sales / Use Tax on Tangible Property**

| <b>Type</b>                                | <b>Rate</b> | <b>Notes</b>              |
|--|-------------|---------------------------|
| Office Building Construction Materials     | 7.0%        | GST is fully recoverable. |
| Industrial Building Construction Materials | 7.0%        | GST is fully recoverable. |
| Manufacturers' Raw Materials               | 0%          | GST is fully recoverable. |
| Standard Software                          | 7.0%        | GST is fully recoverable. |
| Custom Software                            | 7.0%        | GST is fully recoverable. |

*Source: InvestBC, 2009*

**Sales / Use Tax on Intangible Property**

| <b>Type</b>                  | <b>Rate</b> | <b>Notes</b> |
|------------------------------|-------------|--------------|
| Accounts Receivable          | 0%          |              |
| Capital Stock                | 0%          |              |
| Stock / Bond Transaction Fee | 0%          |              |

*Source: InvestBC, 2009*

## Payroll Costs

| Payroll Taxes                                     |            |  |
|---|------------|--|
| Workers Compensation                              |            | Notes  |
| Average Cost for All Industries per \$100 Payroll | C \$1.90   | Rates set by employer's business activity. Applies up to maximum gross earnings of C \$62,400 per year.  |
| Average Rate for Office Workers per \$100 Payroll | C \$0.30   | There is no separate rating for office occupations in British Columbia – the applicable industry rating applies to all workers. Rates for Business Services range from \$0.08 - \$0.70 per \$100 of payroll (average \$0.30). Applies up to maximum gross earnings of C \$62,400 per year. |
| Maximum Weekly Benefit                            | C \$808.16 | Maximum per employee set at 90% of average net earnings (after deductions for income taxes, Canada Pension Plan & Employment Insurance), up to a maximum wage of C\$62,400 per year.   |

Source: InvestBC, 2009

| Unemployment Insurance (Employment Insurance) |               |   |
|---|---------------|---|
| Taxable Base                                  | Gross Payroll | Up to a gross per worker salary of C \$39,000 per year.   |
| Percentage Rate (Employer Premium)            |               |   |
| Average Among Existing Employers              | 2.618%        | Maximum annual contribution per worker is C\$1,021. Employees also contribute at a rate of 1.87% up to an annual maximum of C\$729. |
| Average Among New Employers                   | 2.618%        | Maximum annual contribution per worker is C\$1,021. Employees also contribute at a rate of 1.87% up to an annual maximum of C\$729. |
| Maximum Weekly Benefits                       | C \$413.00    |   |

Source: InvestBC, 2009

# Utilities

## Water & Sewer Water Availability

|                                     |   |
|-------------------------------------|---|
| % Population Provided Sewer Service | 90%   |
| Major Water Sources                 | Four deep wells and does not require chlorine treatment |

## Water Supply

|                             |                         |
|-----------------------------|-------------------------|
| <b>Name of Provider</b>     | The City of Grand Forks |
| Cost per year (Industrial)  | \$235.34                |
| Cost per year (Residential) | \$324.61                |

## Electric Power

|  |  |
|--|--|
| Name of Company                                      | Corporation of the City of Grand Forks |
| Minimum Charge (Residential)                         | \$ 0.0631/kWH                          |
| Bi-Monthly (Residential)                             | \$21.00                                |
| Minimum Charge (Commercial/Industrial/Institutional) | \$ 0.09214/kWH                         |
| Bi-Monthly (Commercial/Industrial/Institutional)     | \$45.68                                |

*Source: Invest Kootenay Research, 2007*

|  |   |
|--|---|
| Name of Company  | FortisBC  |
| Communities Served   | Castlegar, Creston, Grand Forks, Kelowna, Oliver, Osoyoos, Penticton, Summerland, Trail |
| Average Cost per kWh - \$CDN (2004)                              |   |
| Commercial Electricity Rates                                     |   |
| Small – 28% Load Factor (300 kW & 120,000 kWh)                   | 7.01  |
| Medium – 56% Load Factor (1,000 kW & 400,000 kWh)                | 5.60  |
| Large 1 – 56% Load Factor (4,000 kW & 1,600,000 kWh)             | 5.48  |
| Large 2 – 85% Load Factor (50,000 kVA)                           | 4.32  |
| Average Electrical Service Availability Index - Most Recent Year | 99.9714   |
| Average Electrical Service Availability Index - Last Five Years  | 99.9563   |
| Name of Power Pool Membership                                    | Formal membership in WSCC & WSPP  |
| State Electric Power Deregulated                                 | Wholesale competition allowed   |

*Source: Invest BC, 2009*

### Natural Gas

|                                |  |
|--------------------------------|--|
| Name of Provider               | Terasen Gas 1-888-224-2710             |
| Rate Territory                 | British Columbia                       |
| Firm Contract Rates (2003)     |  |
| Type of Customer               | General Firm Service (Rate Schedule 5) |
| Basic Charge (per month)       | C \$553.00                             |
| Administration Fee (per month) | N/A                                    |
|                                | Per Thousand Cubic Feet (Mcf)          |
| Demand Charge                  | C \$12.63                              |
| Delivery and Gas Charge        | C \$7.90                               |

*Source: Invest BC, 2009*

### Landfill & Waste Management

|  |  |
|--|--|
| Nearest Licensed Hazardous Waste Disposal Site | There are no hazardous waste disposal sites in British Columbia. |
| Residential Garbage Collection                 | Weekly   |

### Landfill Location(s)

#### Location

Grand Forks Sanitary Landfill

*Source: Invest Kootenay Research, 2007*

### Telecommunications

|                                   |   |
|-----------------------------------|---|
| Number of Local Service Providers | 1   |
| Name of Provider                  | Telus Internet Services; Uniserve.com;<br>Sunshine Communications   |
| Additional Information            | <a href="http://www.telus.com">www.telus.com</a> ; <a href="http://www.uniserve.com">www.uniserve.com</a> ;<br><a href="http://www.sunshinecable.com">www.sunshinecable.com</a> |

*Source: Invest Kootenay Research, 2007*

## Quality of Life

| <b>Climate</b>                             |             |            |                |
|--|-------------|------------|----------------|
| <b>Average Daily Temperature (Celsius)</b> | <b>High</b> | <b>Low</b> | <b>Average</b> |
| January                                    | -1.5°C      | -8.5°C     | -5°C           |
| July                                       | 28°C        | 11°C       | 19.5°C         |
| Average Annual Rainfall                    | 391.10 mm   |            |                |
| Average Annual Snowfall                    | 118.70 cm   |            |                |
| Weather Station Elevation                  | 531.90 m    |            |                |
| Weather Station Name                       | Grand Forks |            |                |

*Source: Environment Canada, 2005*

| <b>Culture and Recreation</b>                         |                |
|---|----------------|
| <b>Top Annual Events</b>                              | <b>Date(s)</b> |
| Gifts from the Gallery                                | November       |
| Grand Forks Art Gallery Wine Tasting                  | November       |
| International Invitations Amateur Baseball Tournament | September      |
| Festival of Freedom at the Forks (music)              | July           |
| Garden Tour   | July           |

*Source: Invest Kootenay Research, 2007*

## Education

### Selkirk College

Website: [www.selkirk.bc.ca](http://www.selkirk.bc.ca)

Main Campus: Castlegar Area

Other Campuses: Castlegar (main campus), Grand Forks, Kaslo, Midway, Nakusp, Nelson, Trail, Winlaw

| <b>Selkirk College Enrolment</b> | <b>2003-04</b> | <b>2004-05</b> | <b>2005-06</b> | <b>2006-07</b> |
|----------------------------------|----------------|----------------|----------------|----------------|
| Domestic Students                | 10,700         | 9,958          | 10,995         | 12,244         |
| International Students           | 254            | 275            | 298            | 252            |
| Total Student Headcount          | 10,954         | 10,233         | 11,253         | 12,496         |

*Source: BC Ministry of Advanced Education, 2008*

| <b>Enrollment by Program</b> | <b>Full Time</b> | <b>Part Time</b> | <b>Total</b> |
|------------------------------|------------------|------------------|--------------|
| Adult Basic Education        | -                | -                | 888          |
| Adult Special Education      | -                | -                | 5,969        |
| Applied and Professional     | -                | -                | 4,362        |
| Arts and Science             | -                | -                | -            |
| English Language Training    | -                | -                | 196          |
| Other                        | -                | -                | -            |

*Source: Ministry of Advanced Education - Post-Secondary Central Data Warehouse Standards Report (June 2004), 2005.*

## **Boundary School District 20**

Website: [www.sd51.bc.ca](http://www.sd51.bc.ca)

School District No. 51 Boundary welcomes families and students to our School District. Applications are accepted from residents in Christina Lake, Grand Forks, Greenwood, Midway, Rock Creek, Beverdell, and Big White. School District 51 has 8 elementary, 2 secondary schools, a K-12 school and 2 alternate education facilities.

| <b>Average Class Size (2008)</b> | <b>Kindergarten</b> | <b>Grade 1-3</b> | <b>Grade 4-7</b> | <b>Grade 8-12</b> |
|----------------------------------|---------------------|------------------|------------------|-------------------|
| Kootenay Lake School District 20 | 14.9                | 19.3             | 23.8             | 19.7              |
| Province of British Columbia     | 17.7                | 20.6             | 25.8             | 24.4              |

Number of reported classes with assigned assistants: 39

Number of reported schools in school district: 10

Number of reported classes in school district: 160

Number of reported classes in school district with more than 30 students: 1

| <b>School Name</b>           | <b>Kindergarten</b> | <b>Grade 1 - 3</b> | <b>Grade 4 - 7</b> | <b>Grade 8 - 12</b> |
|------------------------------|---------------------|--------------------|--------------------|---------------------|
| Beaverdell Elementary        | 13.0                | 13.0               | -                  | -                   |
| Big White Community School   | -                   | 12.0               | 11.2               | 9.0                 |
| Boundary Central Secondary   | -                   | -                  | -                  | 14.5                |
| Christina Lake Elementary    | 11.0                | 18.0               | 23.5               | -                   |
| Dr. D.A.Perley Elementary    | 20.0                | 20.6               | 26.2               | -                   |
| Grand Forks Secondary School | -                   | -                  | -                  | 22.4                |
| Greenwood Elementary         | -                   | -                  | 20.5               | -                   |
| John A. Hutton Elementary    | 12.5                | 21.8               | 24.9               | -                   |
| Midway Elementary            | 15.0                | 18.8               | -                  | -                   |
| West Boundary Elementary     | 12.0                | 16.8               | 24.0               | -                   |

*Source: BC Ministry of Education, 2009*

| <b>Number of Students</b>    | <b>2003/04</b> | <b>2004/05</b> | <b>2005/06</b> | <b>2006/07</b> | <b>2007/08</b> |
|------------------------------|----------------|----------------|----------------|----------------|----------------|
| Total                        | 1,922          | 1,896          | 1,812          | 1,649          | 1,529          |
| Female                       | 906            | 903            | 868            | 772            | 726            |
| Male                         | 1,016          | 992            | 944            | 877            | 803            |
| Kindergarten                 | 108            | 108            | 98             | 114            | 97             |
| Grade 1                      | 103            | 106            | 117            | 103            | 100            |
| Grade 2                      | 120            | 107            | 106            | 104            | 96             |
| Grade 3                      | 129            | 123            | 103            | 109            | 96             |
| Grade 4                      | 128            | 121            | 124            | 87             | 101            |
| Grade 5                      | 145            | 139            | 133            | 113            | 83             |
| Grade 6                      | 149            | 149            | 135            | 131            | 111            |
| Grade 7                      | 166            | 148            | 151            | 127            | 131            |
| Grade 8                      | 170            | 174            | 155            | 134            | 130            |
| Grade 9                      | 177            | 184            | 175            | 139            | 142            |
| Grade 10                     | 169            | 182            | 170            | 167            | 131            |
| Grade 11                     | 159            | 162            | 161            | 157            | 150            |
| Grade 12                     | 152            | 151            | 147            | 164            | 151            |
| Secondary Ungraded           | 46             | 42             | 37             | -              | 10             |
| School-age                   | 1,893          | 1,855          | 1,780          | 1,636          | 1,519          |
| Adult                        | 29             | 41             | 32             | 13             | 10             |
| Aboriginal                   | 313            | 334            | 327            | 312            | 290            |
| English as a Second Language | -              | -              | -              | 1              | -              |
| French Immersion             | -              | -              | -              | -              | -              |
| Non-Resident                 | 8              | 6              | -              | 2              | 3              |

| <b>Number of Students in Programs</b>      | <b>2003/04</b> | <b>2004/05</b> | <b>2005/06</b> | <b>2006/07</b> | <b>2007/08</b> |
|--|----------------|----------------|----------------|----------------|----------------|
| Aboriginal Students in Aboriginal Programs | 352            | 330            | 335            | 323            | 367            |
| Female                                     | 167            | 154            | 163            | 158            | 179            |
| Male                                       | 185            | 176            | 172            | 165            | 188            |
| Career Preparation Program                 | 639            | 509            | 457            | 318            | 279            |
| Career Technical Program                   | -              | -              | 18             | 6              | -              |
| Co-operative Education Program             | 1              | 1              | -              | -              | -              |
| Continuing Education Program               | 26             | 25             | 24             | 18             | 19             |
| Distributed Learning Program*              | -              | -              | -              | 9              | -              |
| Secondary School Apprenticeship Program    | 12             | 1              | 12             | 4              | -              |
| English as a Second Language Program       | 19             | 13             | 7              | 16             | 20             |

|                          |              |              |              |              |              |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Female                   | 8            | 6            | 3            | 7            | 8            |
| Male                     | 11           | 7            | 4            | 9            | 12           |
| <b>French Programs</b>   | <b>3,073</b> | <b>2,933</b> | <b>2,364</b> | <b>3,122</b> | <b>2,794</b> |
| Female                   | 1,569        | 1,483        | 1,238        | 1,560        | 1,436        |
| Male                     | 1,504        | 1,450        | 1,126        | 1,562        | 1,358        |
| Core French              | 2,951        | 2,778        | 2,224        | 2,949        | 2,624        |
| French Immersion         | 122          | 155          | 140          | 173          | 170          |
| Programme Francophone    | -            | -            | -            | -            | 1            |
| Home School Registration | -            | -            | -            | 1            | 1            |
| Female                   | -            | -            | -            | -            | -            |
| Male                     | -            | -            | -            | -            | -            |

| <b>Number of Public Schools</b> | <b>2003/04</b> | <b>2004/05</b> | <b>2005/06</b> | <b>2006/07</b> | <b>2007/08</b> |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| Total                           | 16             | 16             | 16             | 17             | 17             |
| Elementary                      | 8              | 8              | 8              | 8              | 8              |
| Elementary Junior Secondary     | -              | -              | -              | 1              | -              |
| Elementary Secondary            | 2              | 3              | 3              | 3              | 3              |
| Junior Secondary                | -              | -              | -              | -              | 1              |
| Middle School                   | 1              | -              | -              | -              | -              |
| Secondary                       | 5              | 4              | 4              | 5              | 5              |
| Senior Secondary                | -              | 1              | 1              | -              | -              |

| <b>Number of Teachers</b> | <b>2003/04</b> | <b>2004/05</b> | <b>2005/06</b> | <b>2006/07</b> | <b>2007/08</b> |
|---------------------------|----------------|----------------|----------------|----------------|----------------|
| Female (Count)            | 171            | 167            | 165            | 155            | 162            |
| Male (Count)              | 104            | 100            | 100            | 99             | 89             |
| Female (FTE)              | 153.8          | 148.8          | 149.8          | 143.1          | 147.0          |
| Male (FTE)                | 100.3          | 96.6           | 96.0           | 95.4           | 86.5           |

| <b>Number of Principals, Vice-Principals and other District Administrative Staff</b> | <b>2003/04</b> | <b>2004/05</b> | <b>2005/06</b> | <b>2006/07</b> | <b>2007/08</b> |
|--|----------------|----------------|----------------|----------------|----------------|
| Total (Count)  | 24             | 20             | 24             | 25             | 26             |
| Total (FTE)  | 24             | 20             | 24             | 25             | 26             |

| <b>Number of Educators</b> | <b>2003/04</b> | <b>2004/05</b> | <b>2005/06</b> | <b>2006/07</b> | <b>2007/08</b> |
|----------------------------|----------------|----------------|----------------|----------------|----------------|
| Total (Count)              | 299            | 287            | 289            | 279            | 277            |
| Total (FTE)                | 278.1          | 265.4          | 269.8          | 263.5          | 259.5          |
| Average Educator Age       | 47.7           | 47.8           | 48.0           | 48.4           | 48.1           |

Source: BC Ministry of Education, 2009

# Health

The Grand Forks Local Health Area (LHA) is one of 31 LHAs within Interior Health and one of 7 located in the Kootenay Boundary Health Service Area (KBHSA).

## Population and Demographics

The population (9,210) of the Grand Forks LHA is the fourth largest of the 7 LHAs located within the Kootenay Boundary Health Service Area (KBHSA). Over the last 10 years, the median age of the Grand Forks population has increased by 7.0 years from 42.7 to 49.7; a trend seen throughout Interior Health. The median age of the Grand Forks LHA population is the third highest among the 7 KBHSA LHAs.

The population of the Grand Forks LHA is projected to increase by 0.4% over the period from 2009 to 2014 while the Interior Health growth rate is projected to increase by 4.4% over the same period. Over the next 5 years, the youth population (less than 20) is projected to decrease by 9.7%. The 45-64 age groups are also expected to experience a decrease, while the remaining age groups are projected to increase in population, with the largest growth projected for the 85+ age group.

## Health Status

Health Status indicators focus on a range of measures such as health conditions, human function, wellbeing, and death.

Grand Forks's life expectancy at birth of 79.8 years is lower than that for the KBHSA (79.9) and IH (80.0), but lower than British Columbia (80.9). Low birth weight infants (< 2,500 grams) have increased risks of morbidity and premature death. The Grand Forks rate of low birth weight infants is 56.6 per 1,000 live births, which is higher than the KBHSA (54.1), Interior Health (53.8) and British Columbia (54.7) rates. The Standardized Mortality Ratio (SMR) is the ratio of the number of deaths occurring to residents of a geographic area (e.g. Grand Forks LHA) to the expected number of deaths in that area based on provincial age-specific mortality rates. An SMR less than 1 indicates fewer observed deaths than expected while an SMR greater than 1 indicates more deaths than expected. The SMR (all causes of death) for Grand Forks is 1.02 which means there were more deaths than expected, given provincial rates. Diseases of the Circulatory System were the leading cause of death in the Grand Forks LHA and accounted for 33.7% of the total deaths in the LHA.

## Non-Medical Determinants of Health

Non-medical determinants of health describe behaviours, living and working conditions, personal resources, and environmental factors that have the potential to influence human health.

**Median Share of Income** - This indicator shows the percentage of the total personal income that was earned by households below the median household income. Median share of income is a measure of income inequality with a value of 50% representing no inequality because the lowest half of income earners is earning half of the total income. As the median share of income decreases, there is an increase in income inequality. Research has shown that income inequality is a predictor of health status and a major contributor to health inequities. The Grand Forks LHA residents had a higher median share of income than British Columbia and the Kootenay Boundary HSA, but lower than Interior Health.

**Housing affordability** – The percentage of households (renters, owners, and total) spending 30% or more of total household income on shelter expenses. Shelter expenses include payments

for electricity, oil, gas, coal, wood or other fuels, water and other municipal services, monthly mortgage payments, property taxes, condominium fees and rent. As a general rule, households are considered to have affordability problems if more than 30% of household income is spent on housing costs. At that level of spending, it is likely that inadequate funds will be available for other necessities such as food, clothing, and transportation. Housing affordability problems affect renters more than owners. Band housing on Indian reserves was not included in the calculation of housing affordability. The Grand Forks LHA had a lower rate of Affordable Housing than residents of Interior Health and British Columbia, meaning smaller percentage of residents spent 30% or more on shelter expenses than residents of these regions, but had higher rate than the Kootenay Boundary HSA residents.

**High School Graduation** – The percentage of population aged 25 to 29 who have a high school graduation certificate. It is a measure of educational attainment and socio-economic status. The Grand Forks unemployment rate is higher than the British Columbia rate, but lower than the Kootenay Boundary HAS and Interior Health rate.

**Unemployment (youth and adult)** - Labour force aged 15 and over (and for youths, aged 15 to 24 years) who did not have a job during the reference period. This indicator is a traditional measure of the economy. Unemployed people tend to experience more health problems. The Grand Forks unemployment rate (youth and adult) is higher than the Kootenay Boundary HSA, Interior Health, and British Columbia rates.

**Leisure-Time Physical Activity** - This indicator identifies the proportion of the population over the age of 12 who were classified as active or moderately active based on responses to questions about the frequency, duration and intensity of their leisure-time physical activity. Regular physical activity reduces the risk of developing chronic diseases, helps to control weight and promotes psychological well-being. Studies have shown that an increase in physical activity would reduce healthcare expenditures.

**Healthy Eating** - This indicator shows the proportion of the population over the age of 12 who eat the daily recommended level of fruits and vegetables. 30% of cancer and diabetes cases and 20% of cardiovascular disease can be attributed to poor nutrition. Illness resulting from poor nutrition is estimated to cost the province over \$800 million per year. Hospital costs for major diet-related diseases alone exceed \$80 million per year in British Columbia.

**Overweight/Obesity** - This indicator identifies the proportion of population over the age of 18, excluding pregnant females, classified as overweight or obese based on self-reported height and weight (Body Mass Index). Obesity is a major risk factor for many chronic illnesses, including cardiovascular diseases, type 2 diabetes and some types of cancer.

**Tobacco Use** - This shows the proportion of population over the age of 15 who are daily or occasional smokers. Cigarette smoking is the primary risk factor for the top three causes of death in Canada: diseases of the circulatory system, cancers and respiratory diseases. Preventing and reducing tobacco use can also have immediate impacts on hospital admissions for many diseases, such as asthma and hypertension.

Kootenay Boundary HSA residents have a higher percentage of population who are physically active in their leisure time, and a higher percentage of people who eat healthy when compared to Interior Health and BC. The KBHSA has a higher rate of tobacco use and obesity than British Columbia, but lower rates than Interior Health.

## Health Service Performance

Accessibility is a key measure of health care services provided in any jurisdiction. Interior Health's network of health care facilities provides for the provision of basic acute care services in rural communities, while centralizing specialized services in nearby urban centres. Residents

from the Grand Forks LHA receive urgent care services at the Grand Forks & District Community Health Centre in Grand Forks while those requiring acute care services and specialized services travel to the Kootenay Boundary Regional Hospital in Trail. Over two-thirds (69.9%) of Grand Forks inpatients received treatment at Kootenay Boundary Regional Hospital (KBRH). Overall, over 80% of Grand Forks LHA inpatient cases were treated at hospitals within the Kootenay Boundary Health Service Area (KBHSA).

## Community and Health System Characteristics

The availability of assisted living units in the Grand Forks LHA is higher than the equivalent rate for IH as a whole, while the number of residential care beds is lower than the equivalent rate for IH as a whole. Utilization measures indicate that Grand Forks LHA residents use the available residential care and home support services at rates less than those for IH as a whole, while assisted living services are used at rates exceeding those for IH as a whole.

| Indicators  | Grand Forks LHA | Kootenay Boundary HSA | Interior Health |
|---|-----------------|-----------------------|-----------------|
| Residential Care Beds per 1,000 Population 75+ (2008) | 64.6            | 83.1                  | 81.4            |
| Assisted Living Units per 1,000 Population 75+ (2008) | 17.8            | 15.8                  | 14.9            |
| Home Support Clients per 1,000 Population 65+ (2008)  | 39.4            | 36.4                  | 29.4            |
| Residential Care Days per 1,000 Population 75+ (2008) | 20,224          | 29,386                | 27,728          |
| Assisted Living Days per 1,000 Population 75+ (2008)  | 6,223           | 5,761                 | 5,042           |
| Home Support Hours per 1,000 Population 65+ (2008)    | 9,870           | 12,815                | 11,188          |

Source: Grand Forks Local Health Area Profile, 2009