

# Service bulletin Sawmills



## January 2012 — Revised

### Highlights

- In January, monthly lumber production by sawmills increased 18.8% to 4,468.5 thousand cubic meters. Compared with the same month last year, lumber production increased 2.3%.
- In January, sawmills shipped 4,153.7 thousand cubic meters of lumber, an increase of 7.6% from December.
- In January 2012, a number of changes were made to the sampling and estimation methods for the Monthly Sawmills Survey. CANSIM table 303-0009 has been terminated. Starting with January 2012 data are now available in CANSIM tables 303-0064 and 303-0065. Historically revised data based on the new methodology are also available in CANSIM table 303-0064 from January 2003 to December 2011.

### Note to users:

The January publication was revised on June 7<sup>th</sup>, 2012 in order to represent these changes. The statistical tables have also been reorganized in the following way:

Table 1, Production, shipments and stocks of lumber – information is now found in Table 1.

Table 2, Production and stocks of lumber, British Columbia, by species – information is now found in:

Table 4 for reference month's production

Table 5 for year-to-date production, and

Table 6 for stocks.

Table 3, Production and stocks of lumber by province and species – information is now found in:

Table 2 for reference month's production,

Table 3 for year-to-date, and

Table 7 for stocks.

Table 4, Revised data for production, shipments and stocks of lumber – information is now found in CANSIM table 303-0064.

Table 5, Canadian lumber exports – information is now found in Table 9.

Table 6, Production, shipments and stocks of pulp chips – information is now found in Table 8.

## Statistical tables

**Table 1**  
**Production, shipments and stocks of lumber, 2012**

|                                | January        |                |                | Year-to-date   |                |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                | Production     | Shipments      | Stocks         | Production     | Shipments      |
| thousands of cubic meters      |                |                |                |                |                |
| <b>Canada</b>                  | <b>4,468.5</b> | <b>4,153.7</b> | <b>6,286.7</b> | <b>4,468.5</b> | <b>4,153.7</b> |
| Newfoundland and Labrador      | x              | x              | x              | x              | x              |
| Prince Edward Island           | x              | x              | x              | x              | x              |
| Nova Scotia                    | 56.6           | 63.4           | 91.7           | 56.6           | 63.4           |
| New Brunswick                  | 178.9          | 169.8          | 147.2          | 178.9          | 169.8          |
| Quebec                         | 880.1          | 843.1          | 1,966.5        | 880.1          | 843.1          |
| Ontario                        | 214.2          | 181.1          | x              | 214.2          | 181.1          |
| Manitoba                       | x              | x              | x              | x              | x              |
| Saskatchewan                   | x              | x              | 34.0           | x              | x              |
| Alberta                        | 662.3          | 578.6          | x              | 662.3          | 578.6          |
| British Columbia               | 2,447.3        | 2,280.9        | 2,749.0        | 2,447.3        | 2,280.9        |
| Coast                          | 322.9          | 209.8          | 398.8          | 322.9          | 209.8          |
| Interior                       | 2,124.4        | 2,071.1        | 2,350.1        | 2,124.4        | 2,071.1        |
| Northern interior <sup>1</sup> | 1,069.9        | 1,088.9        | 1,087.6        | 1,069.9        | 1,088.9        |
| Southern interior              | 1,054.5        | 982.2          | 1,262.6        | 1,054.5        | 982.2          |

1. Northern interior includes: the northern interior of British Columbia, Yukon, Northwest Territories and Nunavut.

Source(s): Statistics Canada, CANSIM table 303-0064.

**Table 2**  
**Production and shipments of lumber, January 2012**

|                                | Production of lumber by species and SCG <sup>1</sup> |   |                             |                            |                             | Total shipments |
|--------------------------------|--|---|-----------------------------|----------------------------|-----------------------------|-----------------|
|                                | Spruce, pine and fir<br>[4407.10.31]                 | Total softwood, not including spruce, pine and fir <sup>2</sup> | Total softwood<br>[4407.10] | Total hardwood<br>[4407.9] | Total softwood and hardwood |                 |
| thousands of cubic meters      |  |   |                             |                            |                             |                 |
| <b>Canada</b>                  | <b>3,774.6</b>                                       | <b>604.2</b>  | <b>4,378.8</b>              | <b>89.7</b>                | <b>4,468.5</b>              | <b>4,153.7</b>  |
| Newfoundland and Labrador      | x  | 0.0   | x                           | 0.0                        | x                           | x               |
| Prince Edward Island           | x  | 0.0   | x                           | x                          | x                           | x               |
| Nova Scotia                    | 56.6   | 0.0   | 56.6                        | 0.0                        | 56.6                        | 63.4            |
| New Brunswick                  | x  | x   | x                           | x                          | 178.9                       | 169.8           |
| Quebec                         | 639.5  | F   | 831.8                       | F                          | 880.1                       | 843.1           |
| Ontario                        | x  | x   | x                           | x                          | 214.2                       | 181.1           |
| Manitoba                       | x  | x   | x                           | 0.0                        | x                           | x               |
| Saskatchewan                   | x  | 0.0   | x                           | 0.0                        | x                           | x               |
| Alberta                        | 662.3  | 0.0   | 662.3                       | 0.0                        | 662.3                       | 578.6           |
| British Columbia               | 2,053.8  | 393.5   | 2,447.3                     | 0.0                        | 2,447.3                     | 2,280.9         |
| Coast                          | x  | x   | 322.9                       | 0.0                        | 322.9                       | 209.8           |
| Interior                       | x  | x   | 2,124.4                     | 0.0                        | 2,124.4                     | 2,071.1         |
| Northern interior <sup>3</sup> | 1,069.9  | 0.0   | 1,069.9                     | 0.0                        | 1,069.9                     | 1,088.9         |
| Southern interior              | x  | x   | 1,054.5                     | 0.0                        | 1,054.5                     | 982.2           |

1. Standard Classification of Goods (SCG).

2. This combines Standard Classification of Goods (SCG) codes 4407.10 excluding code 4407.10.31

3. Northern interior includes: the northern interior of British Columbia, Yukon, Northwest Territories and Nunavut.

Source(s): Statistics Canada, CANSIM table 303-0064.

**Table 3**  
**Year-to-date, Production and shipments of lumber, January 2012**

|                                | Production of lumber by species and SCG <sup>1</sup> |   |                             |                            |                             | Total shipments |
|--------------------------------|--|---|-----------------------------|----------------------------|-----------------------------|-----------------|
|                                | Spruce, pine and fir<br>[4407.10.31]                 | Total softwood, not including spruce, pine and fir <sup>2</sup> | Total softwood<br>[4407.10] | Total hardwood<br>[4407.9] | Total softwood and hardwood |                 |
|                                | thousands of cubic meters                            |   |                             |                            |                             |                 |
| <b>Canada</b>                  | <b>3,774.6</b>                                       | <b>604.2</b>  | <b>4,378.8</b>              | <b>89.7</b>                | <b>4,468.5</b>              | <b>4,153.7</b>  |
| Newfoundland and Labrador      | x  | 0.0   | x                           | 0.0                        | x                           | x               |
| Prince Edward Island           | x  | 0.0   | x                           | x                          | x                           | x               |
| Nova Scotia                    | 56.6   | 0.0   | 56.6                        | 0.0                        | 56.6                        | 63.4            |
| New Brunswick                  | x  | x   | x                           | x                          | 178.9                       | 169.8           |
| Quebec                         | 639.5  | F   | 831.8                       | F                          | 880.1                       | 843.1           |
| Ontario                        | x  | x   | x                           | x                          | 214.2                       | 181.1           |
| Manitoba                       | x  | x   | x                           | 0.0                        | x                           | x               |
| Saskatchewan                   | x  | 0.0   | x                           | 0.0                        | x                           | x               |
| Alberta                        | 662.3  | 0.0   | 662.3                       | 0.0                        | 662.3                       | 578.6           |
| British Columbia               | 2,053.8  | 393.5   | 2,447.3                     | 0.0                        | 2,447.3                     | 2,280.9         |
| Coast                          | x  | x   | 322.9                       | 0.0                        | 322.9                       | 209.8           |
| Interior                       | x  | x   | 2,124.4                     | 0.0                        | 2,124.4                     | 2,071.1         |
| Northern interior <sup>3</sup> | 1,069.9  | 0.0   | 1,069.9                     | 0.0                        | 1,069.9                     | 1,088.9         |
| Southern interior              | x  | x   | 1,054.5                     | 0.0                        | 1,054.5                     | 982.2           |

1. Standard Classification of Goods (SCG).

2. This combines Standard Classification of Goods (SCG) codes 4407.10 excluding code 4407.10.31

3. Northern interior includes: the northern interior of British Columbia, Yukon, Northwest Territories and Nunavut.

Source(s): Statistics Canada, CANSIM table 303-0064.

**Table 4**  
**Production of lumber by species, British Columbia, January 2012**

| Species                           | Standard Classification of Goods | British Columbia          | Coast | Interior | Northern interior <sup>1</sup> | Southern interior |
|-----------------------------------|----------------------------------|---------------------------|-------|----------|--------------------------------|-------------------|
|                                   | code                             | thousands of cubic meters |       |          |                                |                   |
| Spruce, pine and fir              | [4407.10.31]                     | 2,053.8                   | x     | x        | 1,069.9                        | x                 |
| Douglas fir and western larch     | [4407.10.32]                     | 123.7                     | 55.7  | 68.0     | 0.0                            | 68.0              |
| Western hemlock and amabilis fir  | [4407.10.33]                     | x                         | x     | x        | 0.0                            | x                 |
| Sitka spruce                      | [4407.10.42]                     | x                         | x     | 0.0      | 0.0                            | 0.0               |
| Western red cedar                 | [4407.10.71]                     | x                         | x     | 14.1     | 0.0                            | 14.1              |
| Yellow cedar                      | [4407.10.72]                     | x                         | x     | 0.0      | 0.0                            | 0.0               |
| Softwood, not elsewhere specified | [4407.10.99]                     | 0.0                       | 0.0   | 0.0      | 0.0                            | 0.0               |
| Total softwoods                   | ...                              | 2,447.3                   | 322.9 | 2,124.4  | 1,069.9                        | 1,054.5           |
| Hardwood                          | [4407.9]                         | 0.0                       | 0.0   | 0.0      | 0.0                            | 0.0               |
| Total softwood and hardwood       | ...                              | 2,447.3                   | 322.9 | 2,124.4  | 1,069.9                        | 1,054.5           |

1. Northern interior includes: the northern interior of British Columbia, Yukon, Northwest Territories and Nunavut.

Source(s): Statistics Canada, CANSIM table 303-0064

**Table 5**  
**Production of lumber by species, British Columbia, 2012 Year to Date**

|                                    | Standard<br>Classification of<br>Goods | British<br>Columbia       | Coast        | Interior       | Northern<br>interior <sup>1</sup> | Southern<br>interior |
|------------------------------------|--|---------------------------|--------------|----------------|-----------------------------------|----------------------|
|                                    | code                                   | thousands of cubic meters |              |                |                                   |                      |
| <b>Species</b>                     |  |                           |              |                |                                   |                      |
| Spruce, pine and fir               | [4407.10.31]                           | 2,053.8                   | x            | x              | 1,069.9                           | x                    |
| Douglas fir and western larch      | [4407.10.32]                           | 123.7                     | 55.7         | 68.0           | 0.0                               | 68.0                 |
| Western hemlock and amabilis fir   | [4407.10.33]                           | x                         | x            | x              | 0.0                               | x                    |
| Sitka spruce                       | [4407.10.42]                           | x                         | x            | 0.0            | 0.0                               | 0.0                  |
| Western red cedar                  | [4407.10.71]                           | x                         | x            | 14.1           | 0.0                               | 14.1                 |
| Yellow cedar                       | [4407.10.72]                           | x                         | x            | 0.0            | 0.0                               | 0.0                  |
| Softwood, not elsewhere specified  | [4407.10.99]                           | 0.0                       | 0.0          | 0.0            | 0.0                               | 0.0                  |
| <b>Total softwoods</b>             | ...                                    | <b>2,447.3</b>            | <b>322.9</b> | <b>2,124.4</b> | <b>1,069.9</b>                    | <b>1,054.5</b>       |
| Hardwood                           | [4407.9]                               | 0.0                       | 0.0          | 0.0            | 0.0                               | 0.0                  |
| <b>Total softwood and hardwood</b> | ...                                    | <b>2,447.3</b>            | <b>322.9</b> | <b>2,124.4</b> | <b>1,069.9</b>                    | <b>1,054.5</b>       |

1. Northern interior includes: the northern interior of British Columbia, Yukon, Northwest Territories and Nunavut.

Source(s): Statistics Canada, CANSIM table 303-0064.

**Table 6**  
**Stocks of lumber by species, British Columbia, January 2012**

|                                    | Standard<br>Classification of<br>Goods | British<br>Columbia       | Coast        | Interior       | Northern<br>interior <sup>1</sup> | Southern<br>interior |
|------------------------------------|--|---------------------------|--------------|----------------|-----------------------------------|----------------------|
|                                    | code                                   | thousands of cubic meters |              |                |                                   |                      |
| <b>Species</b>                     |  |                           |              |                |                                   |                      |
| Spruce, pine and fir               | [4407.10.31]                           | 2,241.1                   | F            | 2,188.1        | 1,087.6                           | 1,100.5              |
| Douglas fir and western larch      | [4407.10.32]                           | x                         | 53.9         | x              | 0.0                               | x                    |
| Western hemlock and amabilis fir   | [4407.10.33]                           | 163.9                     | x            | x              | 0.0                               | x                    |
| Sitka spruce                       | [4407.10.42]                           | 0.0                       | 0.0          | 0.0            | 0.0                               | 0.0                  |
| Western red cedar                  | [4407.10.71]                           | 209.6                     | 147.1        | 62.5           | 0.0                               | 62.5                 |
| Yellow cedar                       | [4407.10.72]                           | x                         | x            | 0.0            | 0.0                               | 0.0                  |
| Softwood, not elsewhere specified  | [4407.10.99]                           | 0.0                       | 0.0          | 0.0            | 0.0                               | 0.0                  |
| <b>Total softwoods</b>             | ...                                    | <b>2,749.0</b>            | <b>398.8</b> | <b>2,350.1</b> | <b>1,087.6</b>                    | <b>1,262.6</b>       |
| Hardwood                           | [4407.9]                               | 0.0                       | 0.0          | 0.0            | 0.0                               | 0.0                  |
| <b>Total softwood and hardwood</b> | ...                                    | <b>2,749.0</b>            | <b>398.8</b> | <b>2,350.1</b> | <b>1,087.6</b>                    | <b>1,262.6</b>       |

1. Northern interior includes: the northern interior of British Columbia, Yukon, Northwest Territories and Nunavut.

Source(s): Statistics Canada, CANSIM table 303-0064.

**Table 7**  
**Stocks of lumber by species, January 2012**

|                                | Spruce,<br>pine and fir<br>[4407.10.31] | Total<br>softwood, not<br>including spruce,<br>pine and fir <sup>1</sup> | Total<br>softwood<br>[4407.10] | Total<br>hardwood<br>[4407.9] | Total<br>softwood and<br>hardwood |
|--------------------------------|---|--|--------------------------------|-------------------------------|-----------------------------------|
| thousands of cubic meters      |   |  |                                |                               |                                   |
| <b>Canada</b>                  | <b>5,159.9</b>                          | <b>1,003.3</b>   | <b>6,163.2</b>                 | <b>F</b>                      | <b>6,286.7</b>                    |
| Newfoundland and Labrador      | x                                       | 0.0  | x                              | 0.0                           | x                                 |
| Prince Edward Island           | 0.1                                     | 0.0  | 0.1                            | x                             | x                                 |
| Nova Scotia                    | x                                       | x  | 91.7                           | 0.0                           | 91.7                              |
| New Brunswick                  | x                                       | x  | x                              | x                             | 147.2                             |
| Quebec                         | 1,450.1                                 | F  | 1,867.8                        | F                             | 1,966.5                           |
| Ontario                        | 253.8                                   | F  | 309.4                          | x                             | x                                 |
| Manitoba                       | x                                       | x  | x                              | 0.0                           | x                                 |
| Saskatchewan                   | 34.0                                    | 0.0  | 34.0                           | 0.0                           | 34.0                              |
| Alberta                        | 932.8                                   | 0.0  | 932.8                          | x                             | x                                 |
| British Columbia               | 2,241.1                                 | 507.8  | 2,749.0                        | 0.0                           | 2,749.0                           |
| Coast                          | F                                       | 345.8  | 398.8                          | 0.0                           | 398.8                             |
| Interior                       | 2,188.1                                 | 162.0  | 2,350.1                        | 0.0                           | 2,350.1                           |
| Northern interior <sup>2</sup> | 1,087.6                                 | 0.0  | 1,087.6                        | 0.0                           | 1,087.6                           |
| Southern interior              | 1,100.5                                 | 162.0  | 1,262.6                        | 0.0                           | 1,262.6                           |

1. This combines Standard Classification of Goods (SCG) codes 4407.10 excluding code 4407.10.31

2. Northern interior includes: the northern interior of British Columbia, Yukon, Northwest Territories and Nunavut.

**Source(s):** Statistics Canada, CANSIM table 303-0064.

**Table 8**  
**Production, shipments and stocks of pulp chips, 2012**

|                                     | January        |                |             | Year-to-date   |                |
|-------------------------------------|----------------|----------------|-------------|----------------|----------------|
|                                     | Production     | Shipments      | Stocks      | Production     | Shipments      |
| thousands of oven-dry metric tonnes |                |                |             |                |                |
| <b>Canada</b>                       | <b>1,274.6</b> | <b>1,250.6</b> | <b>92.5</b> | <b>1,274.6</b> | <b>1,250.6</b> |
| British Columbia                    | 548.1          | 527.3          | 47.9        | 548.1          | 527.3          |
| Coast                               | 82.8           | 82.3           | 10.9        | 82.8           | 82.3           |
| Interior                            | 465.3          | 445.0          | 37.0        | 465.3          | 445.0          |
| Northern interior <sup>1</sup>      | 226.6          | 214.6          | 22.3        | 226.6          | 214.6          |
| Southern interior                   | 238.7          | 230.4          | 14.6        | 238.7          | 230.4          |
| Other provinces                     | 726.5          | 723.3          | 44.6        | 726.5          | 723.3          |

1. Northern interior includes: the northern interior of British Columbia and the Yukon, Northwest Territories and Nunavut.

**Source(s):** Statistics Canada, CANSIM table 303-0065.

**Table 9**  
**Canadian lumber exports, 2012<sup>1</sup>**

|                           | January                   |                |              |                | Year-to-date |                |              |                |
|---------------------------|---------------------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
|                           | Rail                      | Truck          | Water        | Total          | Rail         | Truck          | Water        | Total          |
|                           | thousands of cubic meters |                |              |                |              |                |              |                |
| <b>Canada</b>             | <b>366.8</b>              | <b>1,165.5</b> | <b>948.7</b> | <b>2,480.9</b> | <b>366.8</b> | <b>1,165.5</b> | <b>948.7</b> | <b>2,480.9</b> |
| Newfoundland and Labrador | 0.3                       | 2.5            | 0.0          | 2.9            | 0.3          | 2.5            | 0.0          | 2.9            |
| Prince Edward Island      | 0.0                       | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            |
| Nova Scotia               | 5.7                       | 21.4           | 4.9          | 32.0           | 5.7          | 21.4           | 4.9          | 32.0           |
| New Brunswick             | 40.3                      | 99.3           | 0.5          | 140.1          | 40.3         | 99.3           | 0.5          | 140.1          |
| Quebec                    | 97.7                      | 166.5          | 19.7         | 283.8          | 97.7         | 166.5          | 19.7         | 283.8          |
| Ontario                   | 42.0                      | 73.3           | 2.0          | 117.2          | 42.0         | 73.3           | 2.0          | 117.2          |
| Manitoba                  | 1.8                       | 0.0            | 0.0          | 1.8            | 1.8          | 0.0            | 0.0          | 1.8            |
| Saskatchewan              | 18.4                      | 2.1            | 0.0          | 20.6           | 18.4         | 2.1            | 0.0          | 20.6           |
| Alberta                   | 34.3                      | 123.0          | 25.8         | 183.1          | 34.3         | 123.0          | 25.8         | 183.1          |
| British Columbia          | 126.2                     | 677.4          | 895.8        | 1,699.4        | 126.2        | 677.4          | 895.8        | 1,699.4        |
| Yukon                     | 0.0                       | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            |
| Northwest Territories     | 0.0                       | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            |
| Nunavut                   | 0.0                       | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            | 0.0          | 0.0            |

1. Canadian lumber exports by province of origin as reported by the International Division of Statistics Canada.

**Note(s):** Totals may not add due to small transactions with unclear mode of transportation which appear only in the totals.

## Concepts, methodology and data quality

This survey measures, on a monthly basis, the quantities of lumber that are produced and shipped by Canadian manufacturers. The target population for this survey includes all sawmills in Canada classified to the North American Industry Classification System (NAICS), 321111.

### General Methodology

This is a sample survey with a cross-sectional design.

The frame used for sampling purposes is the Statistics Canada Business Register. The statistical unit is the establishment. The survey population includes all sawmills establishments above certain thresholds that vary by province and by reference year.

Data are collected each month from survey respondents using a mail-out / mail-back process as well as electronic questionnaire. Data capture and preliminary editing are performed simultaneously to ensure validity of the data. Businesses from whom no response has been received or whose data may contain errors are followed-up by telephone, email or fax. To estimate the contribution of units below sampling thresholds, the system derives ratios from Goods and Services Tax (GST) files using a statistical model. The model accounts for the difference between units above the threshold and those below the threshold as well as the time lag between the reference period of the survey and the reference period of the GST file.

Missing data for the current month are imputed automatically using a number of statistical techniques that use survey data collected during the current cycle as well as auxiliary information sources. These auxiliary sources include survey data from a previous cycle (historical), donor questionnaires and administrative data. Opening stocks are set equal to the value of the closing stocks from the previous month. Closing stocks are calculated by adding production to opening stocks and then subtracting shipments and waste values. The option exists for the subject matter analyst to manually override these imputations with better estimates based on pertinent knowledge about the industry or the business.

As part of the estimation process, survey data are weighted and combined with administrative data to produce final industry estimates.

Various confidentiality rules are applied to all data that are released or published to prevent the publication or disclosure of any information deemed confidential. If necessary, data are suppressed to prevent direct or residual disclosure of identifiable data.

Direct disclosure may occur when the value in a tabulation cell is composed of a few respondents or when the cell is dominated by a few companies. Residual disclosure may occur when confidential information can be derived indirectly by piecing together information from different sources or data series.

Under normal circumstance, data are collected, captured, edited, tabulated and published within 6-8 weeks after the end of the reference month.

## **Revisions**

Monthly, preliminary estimates are provided for the reference month and revised estimates, based on late responses, are provided for the previous month.

Once every year (normally in July), the monthly Sawmills series are revised. These revisions incorporate any data that may have been received after the close of the collection cycle during the previous reference year.

The revised estimates are published in CANSIM.

## **Data accuracy**

While considerable efforts have been taken to ensure high standards throughout all stages of collection and processing, the resulting estimates are inevitably subject to a certain degree of non-sampling error. These errors are not related to sampling and may occur for various reasons including non-response, inaccurate reporting and processing. Errors relating to non-response can be measured. All attempts are made to control inaccurate reporting and processing errors.

### **Non-response error**

Some respondents may be unable to provide data for numerous reasons (i.e. fire, theft, strike, economic hardship, etc.), while others may be late in responding. To minimize non-response, delinquent respondents are followed up rigorously by phone, e-mail or fax. Data for non-responding units are imputed using industry trend and other related information. Data are revised based on the revision policy for questionnaires that are received after the end of the monthly collection cycles.

Non-response error is calculated using the number of non-responses divided by the number of total expected responses for the units in the sample.

### **Inaccurate response**

Inaccuracy may result from poor questionnaire design or an inability on the part of respondents to provide the requested information or from misinterpretation of the survey questions. To reduce such errors the format and wording in the questionnaire are reviewed from time to time and modified based on feedback from survey respondents and data users. Respondents are also reminded of the importance of their contribution and of the accuracy of reported information.

### **Processing errors**

These errors may occur at various stages in the processing of survey data such as data entry, verification, editing and tabulation. Data are examined for such errors using automated edits along with an analytical review by subject

matter experts. Several checks are performed on the collected data to verify internal consistency and comparability over time.

## Definitions

### Production

Production refers to the quantity of products manufactured in Canada during a reference period including intermediate products. These products may be shipped or retained in inventory.

### Shipments

Shipments refer to the quantity of manufactured goods that are shipped, during the reference period from the plant to customers, in domestic or export markets.

### Exports

More detailed data are available from the Annual Survey of Manufactures and Logging, CANSIM Table 301-0006; and also from custom product 31C0023 (National and Provincial Principal Statistics from the Annual Survey of Manufactures and Logging). In addition, a service on Products Shipped by Canadian Manufacturers (31C0020) by contacting the *Statistics Canada's National Contact Centre* (toll-free 1-800-263-1136; 613-951-8116; [infostats@statcan.gc.ca](mailto:infostats@statcan.gc.ca)).

Specific enquiries should be directed to: The *Statistics Canada's National Contact Centre* (toll-free 1-800-263-1136; 613-951-8116; [infostats@statcan.gc.ca](mailto:infostats@statcan.gc.ca)).



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### Symbols

The following standard symbols are used in Statistics Canada publications:

|                |  |
|----------------|--|
| .              | not available for any reference period   |
| ..             | not available for a specific reference period  |
| ...            | not applicable   |
| 0              | true zero or a value rounded to zero   |
| 0 <sup>s</sup> | value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded |
| P              | preliminary  |
| r              | revised  |
| x              | suppressed to meet the confidentiality requirements of the <i>Statistics Act</i>                                   |
| E              | use with caution   |
| F              | too unreliable to be published   |
| *              | significantly different from reference category ( $p < 0.05$ )   |

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