

The provincial distribution of the 1936 production of stone, sand and gravel is shown in Table 5, p. 351, while the chief purposes for which these materials were produced are shown in Table 31 below.

**31.—Production of Sand and Gravel, and Stone in Canada, Showing the Principal Purposes, calendar years 1934-36.**

| Material and Purpose.                  | 1934.             |                  | 1935.             |                  | 1936.             |                  |
|--|-------------------|------------------|-------------------|------------------|-------------------|------------------|
|  | Quantity.         | Gross Value.     | Quantity.         | Gross Value.     | Quantity.         | Gross Value.     |
|  | tons.             | \$               | tons.             | \$               | tons.             | \$               |
| <b>Sand—</b>                           |                   |                  |                   |                  |                   |                  |
| Moulding sand.....                     | 13,229            | 13,415           | 13,213            | 14,674           | 16,725            | 16,951           |
| For building, concrete, roads, etc.... | 686,631           | 209,002          | 787,412           | 264,435          | 956,502           | 362,542          |
| Other.....                             | 49,519            | 12,391           | 44,082            | 10,609           | 15,096            | 5,795            |
| <b>Sand and Gravel—</b>                |                   |                  |                   |                  |                   |                  |
| For railway ballast.....               | 1,454,618         | 266,292          | 2,267,195         | 415,092          | 6,318,681         | 1,054,703        |
| For concrete, roads, etc.....          | 12,418,408        | 3,411,751        | 17,531,047        | 5,357,331        | 14,336,640        | 5,216,942        |
| Crushed gravel.....                    | 231,754           | 122,626          | 570,540           | 327,299          | 480,516           | 264,466          |
| <b>Totals, Sand and Gravel.....</b>    | <b>14,854,159</b> | <b>4,035,477</b> | <b>21,213,489</b> | <b>6,389,440</b> | <b>22,124,160</b> | <b>6,921,399</b> |
| <b>Stone—</b>                          |                   |                  |                   |                  |                   |                  |
| Building.....                          | 52,665            | 490,095          | 200,899           | 1,258,741        | 42,335            | 714,616          |
| Monumental and ornamental.....         | 9,359             | 316,366          | 15,163            | 342,950          | 8,975             | 281,656          |
| Limestone for agriculture.....         | 81,564            | 142,126          | 87,884            | 134,716          | 94,031            | 116,397          |
| <b>Chemical Uses—</b>                  |                   |                  |                   |                  |                   |                  |
| Flux.....                              | 237,362           | 177,015          | 269,629           | 186,858          | 279,299           | 187,240          |
| Pulp and paper.....                    | 149,997           | 144,362          | 160,870           | 165,784          | 197,957           | 197,523          |
| Other.....                             | 102,221           | 126,052          | 107,300           | 131,067          | 137,951           | 168,834          |
| Rubble and riprap.....                 | 175,405           | 108,192          | 314,484           | 198,537          | 475,845           | 250,581          |
| Crushed.....                           | 3,229,388         | 2,486,463        | 3,132,384         | 2,723,191        | 3,702,153         | 3,043,407        |
| <b>Totals, Stone<sup>1</sup>.....</b>  | <b>4,077,016</b>  | <b>4,152,329</b> | <b>4,316,818</b>  | <b>5,303,234</b> | <b>4,961,665</b>  | <b>5,128,739</b> |

<sup>1</sup> Totals include minor items not specified.

The quantities and values of stone produced, given in the table above, represent only the production of those establishments which actually quarry their own stone and are exclusive of the products of the stone-dressing industry comprising those establishments which buy rough stone and dress, polish or finish it; although dressing operations are frequently carried on right at the quarry and to that extent cannot be separated from the primary production. Of the total quantity of stone produced in 1936 about 75 p.c. was limestone, 19 p.c. granite, less than 6 p.c. sandstone and less than 0.5 p.c. marble. The average value per ton was \$0.84 for limestone, \$1.40 for granite, \$1.74 for sandstone and \$7.42 for marble. Prices averaged lower in 1936 than in 1935 because a larger proportion of all stone except marble was used for riprap and crushed stone. The marble was used chiefly for stucco dash, in pulp and paper mills and other industrial processes, and for poultry grit and building stone. Large quantities of limestone were used for fluxing and other chemical purposes, but by far the largest part of all stone except marble was used as crushed stone.