

Transportation Safety Board of Canada

**Table 1**  
**Aviation Occurrence and Casualty Statistics - April 2006**

|   | April     |           |                      | Year To Date |            |                      |
|---|-----------|-----------|----------------------|--------------|------------|----------------------|
|   | 2006      | 2005      | 2001-2005<br>Average | 2006         | 2005       | 2001-2005<br>Average |
| <b>Canadian-Registered Aircraft Accidents<sup>1</sup></b> | <b>17</b> | <b>18</b> | <b>19</b>            | <b>48</b>    | <b>54</b>  | <b>62</b>            |
| Aeroplanes Involved <sup>2</sup>                          | 16        | 17        | 16                   | 45           | 48         | 53                   |
| Airliners   | 0         | 0         | 0                    | 3            | 3          | 1                    |
| Commuters   | 0         | 0         | 1                    | 0            | 1          | 2                    |
| Air Taxis   | 3         | 3         | 2                    | 11           | 10         | 9                    |
| Aerial Work   | 1         | 2         | 1                    | 1            | 2          | 1                    |
| State   | 0         | 0         | 0                    | 1            | 0          | 1                    |
| Corporate   | 0         | 1         | 0                    | 0            | 1          | 1                    |
| Private/Other <sup>3</sup>                                | 12        | 11        | 12                   | 29           | 31         | 37                   |
| Helicopters Involved                                      | 2         | 1         | 3                    | 5            | 9          | 10                   |
| Other Aircraft Involved <sup>4</sup>                      | 0         | 0         | 1                    | 0            | 0          | 1                    |
| <b>Fatal Accidents</b>                                    | <b>1</b>  | <b>1</b>  | <b>2</b>             | <b>4</b>     | <b>5</b>   | <b>6</b>             |
| Aeroplanes Involved                                       | 1         | 1         | 1                    | 3            | 3          | 4                    |
| Airliners   | 0         | 0         | 0                    | 0            | 0          | 0                    |
| Commuters   | 0         | 0         | 0                    | 0            | 0          | 0                    |
| Air Taxis   | 0         | 1         | 0                    | 2            | 2          | 1                    |
| Aerial Work   | 0         | 0         | 0                    | 0            | 0          | 0                    |
| State   | 0         | 0         | 0                    | 0            | 0          | 0                    |
| Corporate   | 0         | 0         | 0                    | 0            | 0          | 0                    |
| Private/Other <sup>3</sup>                                | 1         | 0         | 1                    | 1            | 1          | 3                    |
| Helicopters Involved                                      | 0         | 0         | 0                    | 1            | 2          | 1                    |
| Other Aircraft Involved                                   | 0         | 0         | 0                    | 0            | 0          | 1                    |
| <b>Fatalities</b>   | <b>2</b>  | <b>2</b>  | <b>2</b>             | <b>7</b>     | <b>7</b>   | <b>10</b>            |
| <b>Serious Injuries</b>                                   | <b>3</b>  | <b>0</b>  | <b>2</b>             | <b>10</b>    | <b>2</b>   | <b>5</b>             |
| <b>Canadian-Registered Ultralight Aircraft Accidents</b>  | <b>1</b>  | <b>1</b>  | <b>2</b>             | <b>2</b>     | <b>7</b>   | <b>6</b>             |
| Fatal Accidents   | 0         | 1         | 0                    | 0            | 3          | 1                    |
| Fatalities  | 0         | 1         | 0                    | 0            | 4          | 2                    |
| Serious Injuries  | 0         | 0         | 0                    | 0            | 0          | 1                    |
| <b>Foreign-Registered Aircraft Accidents in Canada</b>    | <b>1</b>  | <b>2</b>  | <b>1</b>             | <b>2</b>     | <b>4</b>   | <b>4</b>             |
| Fatal Accidents   | 0         | 0         | 0                    | 0            | 0          | 1                    |
| Fatalities  | 0         | 0         | 0                    | 0            | 0          | 1                    |
| Serious Injuries  | 0         | 0         | 0                    | 1            | 3          | 1                    |
| <b>All Aircraft: Reportable Incidents</b>                 | <b>60</b> | <b>63</b> | <b>67</b>            | <b>279</b>   | <b>279</b> | <b>292</b>           |
| Risk of Collision/Loss of Separation                      | 13        | 18        | 15                   | 59           | 59         | 59                   |
| Declared Emergency  | 11        | 10        | 19                   | 89           | 76         | 97                   |
| Engine Failure  | 9         | 10        | 11                   | 35           | 51         | 51                   |
| Smoke/Fire  | 10        | 10        | 8                    | 32           | 36         | 38                   |
| Collision   | 3         | 1         | 2                    | 11           | 3          | 7                    |
| Other   | 14        | 14        | 12                   | 53           | 54         | 41                   |

<sup>1</sup> Ultralight aircraft excluded.

<sup>2</sup> As some accidents may involve multiple aircraft, the number of aircraft involved may differ from the total number of accidents.

<sup>3</sup> Other: contains, but is not limited to, organizations that rent aircraft (i.e. flying schools, flying clubs, etc.).

<sup>4</sup> Includes gliders, balloons and gyrocopters.

Figures are preliminary as of May 9, 2006.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.

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**Table 2**  
**Canadian-Registered Fixed Wing and Rotary Wing Aircraft Involved in Accidents - April 2006**  
**By Type of Operation**

|   | April     |           |                      | Year To Date |           |                      |
|---|-----------|-----------|----------------------|--------------|-----------|----------------------|
|   | 2006      | 2005      | 2001-2005<br>Average | 2006         | 2005      | 2001-2005<br>Average |
| <b>Canadian-Registered Aircraft Accidents<sup>1</sup></b> | <b>17</b> | <b>18</b> | <b>19</b>            | <b>48</b>    | <b>54</b> | <b>62</b>            |
| <b>Aeroplanes Involved</b>                                | <b>16</b> | <b>17</b> | <b>16</b>            | <b>45</b>    | <b>48</b> | <b>53</b>            |
| Training  | 2         | 2         | 1                    | 8            | 8         | 9                    |
| Pleasure/Travel   | 11        | 6         | 9                    | 22           | 19        | 26                   |
| Business  | 0         | 1         | 0                    | 0            | 3         | 2                    |
| Forest Fire Management                                    | 0         | 0         | 0                    | 1            | 0         | 0                    |
| Test/Demonstration/Ferry                                  | 0         | 0         | 0                    | 0            | 1         | 2                    |
| Aerial Application  | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Inspection  | 0         | 1         | 0                    | 0            | 1         | 1                    |
| Air Transport   | 3         | 3         | 2                    | 13           | 10        | 10                   |
| Air Ambulance   | 0         | 0         | 0                    | 1            | 0         | 1                    |
| Other/Unknown   | 0         | 4         | 2                    | 0            | 6         | 2                    |
| <b>Helicopters Involved</b>                               | <b>2</b>  | <b>1</b>  | <b>3</b>             | <b>5</b>     | <b>9</b>  | <b>10</b>            |
| Training  | 0         | 0         | 0                    | 0            | 1         | 2                    |
| Pleasure/Travel   | 0         | 0         | 0                    | 0            | 1         | 0                    |
| Business  | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Forest Fire Management                                    | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Test/Demonstration/Ferry                                  | 0         | 0         | 0                    | 0            | 0         | 1                    |
| Aerial Application  | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Inspection  | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Air Transport   | 1         | 1         | 1                    | 1            | 3         | 4                    |
| Air Ambulance   | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Other/Unknown   | 1         | 0         | 0                    | 4            | 4         | 3                    |
| <b>Fatal Accidents</b>                                    | <b>1</b>  | <b>1</b>  | <b>2</b>             | <b>4</b>     | <b>5</b>  | <b>6</b>             |
| <b>Aeroplanes and Helicopters Involved</b>                | <b>1</b>  | <b>1</b>  | <b>1</b>             | <b>4</b>     | <b>5</b>  | <b>5</b>             |
| Training  | 0         | 0         | 0                    | 0            | 0         | 1                    |
| Pleasure/Travel   | 1         | 0         | 0                    | 1            | 2         | 2                    |
| Business  | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Forest Fire Management                                    | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Test/Demonstration/Ferry                                  | 0         | 0         | 0                    | 0            | 0         | 1                    |
| Aerial Application  | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Inspection  | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Air Transport   | 0         | 1         | 0                    | 2            | 3         | 1                    |
| Air Ambulance   | 0         | 0         | 0                    | 0            | 0         | 0                    |
| Other/Unknown   | 0         | 0         | 0                    | 1            | 0         | 0                    |
| <b>Fatalities</b>   | <b>2</b>  | <b>2</b>  | <b>2</b>             | <b>7</b>     | <b>7</b>  | <b>10</b>            |
| <b>Serious Injuries</b>                                   | <b>3</b>  | <b>0</b>  | <b>2</b>             | <b>10</b>    | <b>2</b>  | <b>5</b>             |

<sup>1</sup> Ultralight aircraft excluded.

Figures are preliminary as of May 9, 2006.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.

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**Table 3**  
**Canadian-Registered Aircraft Involved in Incidents - April 2006**  
**Selected Reportable Incident Types by First Event**

|   | April     |           |                      | Year To Date |           |                      |
|---|-----------|-----------|----------------------|--------------|-----------|----------------------|
|   | 2006      | 2005      | 2001-2005<br>Average | 2006         | 2005      | 2001-2005<br>Average |
| <b>Risk of Collision/Loss of Separation</b> | <b>18</b> | <b>22</b> | <b>20</b>            | <b>89</b>    | <b>85</b> | <b>80</b>            |
| Air Proximity                               | 9         | 13        | 6                    | 30           | 24        | 21                   |
| Air Traffic Services Event                  | 6         | 8         | 10                   | 49           | 49        | 46                   |
| Altitude Related                            | 0         | 1         | 1                    | 1            | 6         | 3                    |
| Runway Incursion                            | 0         | 0         | 1                    | 2            | 2         | 5                    |
| Other                                       | 3         | 0         | 1                    | 7            | 4         | 4                    |
| <b>Declared Emergency</b>                   | <b>8</b>  | <b>8</b>  | <b>16</b>            | <b>61</b>    | <b>46</b> | <b>73</b>            |
| Landing Gear Failure                        | 2         | 1         | 2                    | 17           | 10        | 12                   |
| Hydraulic Failure                           | 2         | 2         | 2                    | 6            | 11        | 9                    |
| Electrical Failure                          | 0         | 0         | 1                    | 1            | 2         | 3                    |
| Other Component Failure                     | 4         | 3         | 5                    | 28           | 16        | 24                   |
| Other                                       | 0         | 2         | 7                    | 9            | 7         | 25                   |
| <b>Engine Failure</b>                       | <b>6</b>  | <b>10</b> | <b>9</b>             | <b>27</b>    | <b>41</b> | <b>41</b>            |
| Power Loss                                  | 5         | 3         | 4                    | 16           | 17        | 18                   |
| Component Failure                           | 1         | 6         | 5                    | 11           | 22        | 20                   |
| Other                                       | 0         | 1         | 1                    | 0            | 2         | 3                    |
| <b>Smoke/Fire</b>                           | <b>7</b>  | <b>9</b>  | <b>7</b>             | <b>23</b>    | <b>31</b> | <b>33</b>            |
| Fire/Explosion                              | 5         | 9         | 6                    | 19           | 24        | 24                   |
| Component Failure                           | 2         | 0         | 1                    | 4            | 7         | 8                    |
| Other                                       | 0         | 0         | 0                    | 0            | 0         | 1                    |
| <b>Difficulty in Controlling Aircraft</b>   | <b>1</b>  | <b>2</b>  | <b>3</b>             | <b>12</b>    | <b>12</b> | <b>11</b>            |
| Component Failure                           | 1         | 2         | 2                    | 3            | 7         | 6                    |
| Weather Related                             | 0         | 0         | 1                    | 5            | 3         | 3                    |
| Other                                       | 0         | 0         | 1                    | 4            | 2         | 3                    |

Figures are preliminary as of May 9, 2006.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.