

A COMPACT CATALOGUE OF CANADIAN METEORITES

Graham C. Wilson

Turnstone Geological Services Limited

3rd edition, January 5th, 2005, partial update of April 19th, 2010 (source file CANAMET3)

The 4th edition of the Natural History Museum catalogue of meteorites (Graham *et al.*, 1985), lists only 46 authenticated meteorites for Canada, the world's second-largest country, compared with, e.g., Chile (35 from <8% of Canada's surface area) and India (33% of the area, yielding 124 meteorites from 18 states, 38 from the state of Uttar Pradesh alone). 15 years later, the 5th edition (Grady, 2000) lists 50 Canadian meteorites, not counting Leeds, which was downgraded to synonym status. The Canadian meteorite-recovery rate is modest: only 16 have been recovered in the province of Ontario, which has an area 154% the size of Texas, big enough to hold five states the size of Kansas (>110 known meteorites!). Obviously, low population density and inclement winter weather may conspire with terrain and land-use factors to hinder recovery of falls and finds alike, relative to more southerly "hunting grounds" such as Texas and New Mexico. Traill (1980) noted that the National Museum in Ottawa had samples of a majority of known Canadian meteorites. There are few discrepancies in nomenclature between his catalogue and that of Graham *et al.* and White (1984); Traill omitted Wynyard, which was unknown to him at the time, and included the now-discredited Akpohon. The ongoing research of Traill's successor, Richard Herd, indicates that 39 of 46 Canadian meteorites recognized up to 1990 are represented in the National Collection (exceptions: De Cewsville; Edmonton (Canada); Ferintosh; Great Bear Lake; Homewood; Kinsella; Vilna). The past 19 years have been remarkably productive, with at least 27 new meteorites (falls, finds and "belated recognitions") and one "loss" (Leeds --- a synonym for Toluca; Kissin *et al.*, 1999). The following list contains 72 actual (or possible) and 7 discredited names from nine jurisdictions (Nunavut Territory aside, only Nova Scotia, P.E.I. and Newfoundland lack any contenders for "provincial meteorite"!). Note that the Yukon irons, formerly known as Klondike (Gay Gulch and Skookum Gulch) are now called Gay Gulch and Skookum, the earlier names persisting as synonyms in the literature.

The total as quoted herein is **73 "Canadian" meteorites**; 17 falls and 56 finds. Information on new material tends to filter slowly into the public domain: expect this number to grow! According to data available to the compiler, unique status as a Canadian meteorite is confirmed for all, except perhaps some of the latest reported finds. Note that IAB and IIICD irons are currently termed "IAB complex". Basic data are needed for at least 9 meteorites, new & old;

1. Ni content and confirmation of associated data: **Gilbert Plains, Green Lake**
2. Petrographic grade: **Holman Island**,
3. Olivine composition: **Kinley**,
4. Olivine, petrographic grade, class: **Saskatchewan Landing, Hodgeville, Lake Eliza, Montney, Churchill**.

The source of this compilation, CANAMET, is a "metadatabase" of Canadian meteorite data, maintained by the compiler. It may prove useful in two contexts:

1. Planning research projects. The class, capsule history and known mass of each meteorite is shown. A glimpse of research history is seen in the number of references to each find or fall in the compiler's MINLIB, an annotated bibliographic database. MINLIB comprises ~80,000 records; >6,000 records are relevant to meteorites and nucleosynthesis, and >9,000 to the larger field of meteorites, tektites, impact events and planetary science. MINLIB citations for 110 meteorite names are totalled in the table. Amongst Canadian meteorites, the unique Tagish Lake chondrite rose to third place in this unofficial citation index within 2 years of its fall!
2. Provenance and authenticity. See class, Ni (wt.%) and/or the fayalite content in olivine. Much information may be retrieved from the smallest meteorites such as Vilna: see Smith *et al.*, 1973! One wonders whether more Revelstoke exists. These two are the only Canadian meteorites much below one ounce (28.35 g) in weight. The largest, Bruderheim, totals 303 kg. The total from Buzzard Coulee (November 2008 fall) is growing fast, and appears already to exceed 200 kg and 1,000 fragments. An idle thought: might Red Deer Hill and Blaine Lake be paired? --
- a recent examination suggests not.

Acknowledgements: the accuracy of this catalogue was much improved by advice from Richard Herd, Steve Kissin & others. The original MIAC web-page format was engineered by Mike Higgins. Further updates and errata welcome!

CANADIAN METEORITES - MAIN LISTING (73): 59 “official”. *Italics*: provisional name & status (14 still need publication in *Meteoritical Bulletin*). CANAMET output, with meteorite citations updated October 29, 2006 or beyond

| <i>Meteorite</i> | <i>Type</i> | <i>Class</i> | <i>Ni%</i> _{METAL} | <i>Fa%</i> _{OLIV} | <i>History</i> | <i>Date</i> | <i>Mass (kg)</i> | <i>Refs</i> _{MINLIB} | <i>Earliest</i> |
|------------------------------|-------------|--------------|-----------------------------|----------------------------|----------------|-------------|------------------|-------------------------------|-----------------|
| ALBERTA (18) | | | | | | | | | |
| Abee | Chondrite | EH5 | - | - | Fall | 1952 | 107 | 120 | 1960 |
| Belly River | Chondrite | H6 | - | 20 | Find | 1943 | 7.9 | 10 | 1953 |
| <i>Belly River Buttes</i> | Chondrite | L6 | - | 25 | Find | 1992 | 1.5 | 3 | 2004 |
| Bruderheim | Chondrite | L6 | - | 24 | Fall | 1960 | 303 | 83 | 1961 |
| Edmonton (Canada) | Iron | IIA | 5.37 | - | Find | 1939 | 17.34 | 5 | 1969 |
| Ferintosh | Chondrite | L6 | - | 26 | Find | 1965 | 2.201 | 4 | 1984 |
| Innisfree | Chondrite | LL5 | - | 27 | Fall | 1977 | 4.58 | 26 | 1978 |
| Iron Creek | Iron | IIIA | 7.72 | - | Find | 1866 | 145.85 | 11 | 1886 |
| Kinsella | Iron | IIIB | 8.78 | - | Find | 1946 | 3.72 | 4 | 1978 |
| <i>Lake Eliza</i> | Chondrite | H(?) | - | - | Find | 2005 | 0.350 | - | ---- |
| Mayerthorpe | Iron | IA | 7.19 | - | Find | 1964 | 12.61 | 6 | 1971 |
| Millarville | Iron | IVA-ANOM | 9.78 | - | Find | 1977 | 15.636 | 6 | 1979 |
| Peace River | Chondrite | L6 | - | 23 | Fall | 1963 | 45.76 | 35 | 1967 |
| Redwater | Chondrite | H4 | - | 19 | Find | 2009 | 0.230 | - | ---- |
| Skiff | Chondrite | H4 | - | 18 | Find | 1966 | 3.54 | 6 | 1980 |
| Vilna | Chondrite | L5 | - | 25 | Fall | 1967 | 0.00014 | 5 | 1973 |
| Vulcan | Chondrite | H6 | - | 20 | Find | 1962 | 19 | 11 | 1967 |
| Whitecourt | Iron | IIIAB | 8.11 | - | Find | 2007 | 5.4 | 5 | 2007 |
| BRITISH COLUMBIA (5) | | | | | | | | | |
| Beaver Creek | Chondrite | H4 | - | 19 | Fall | 1893 | 14 | 19 | 1963 |
| <i>Montney</i> | Chondrite | H6(?) | - | - | Fall | 2005 | 0.15 | - | ---- |
| Revelstoke | Chondrite | CI1 | - | - | Fall | 1965 | 0.001 | 15 | 1967 |
| Tagish Lake | Chondrite | CI2 | - | 0-29 | Fall | 2000 | .11.0 | 105 | 2000 |
| <i>Green Lake (Whistler)</i> | Iron | (?) | - | - | Find | 1991 | (?) | - | ---- |
| MANITOBA (9) | | | | | | | | | |
| <i>Bernic Lake</i> | Iron | IAB | 6.53 | - | Find | 2002 | 9.8 | 4 | 2004 |
| <i>Churchill</i> | Chondrite | (?) | - | - | Find | 2007 | 0.850 | 1 | 2007 |
| <i>Elm Creek</i> | Chondrite | H4 | - | 18 | Find | 1997 | 8.2 | 7 | 2002 |
| <i>Gilbert Plains</i> | Iron | IA | - | - | Find | 2001 | 0.113 | 1 | 2001 |
| Giroux | Stony iron | Pallasite | 10.3 | 11 | Find | 1954 | 4.275 | 10 | 1967 |
| Homewood | Chondrite | L6 | - | 25 | Find | 1970 | 0.325 | 5 | 1976 |

| <i>Meteorite</i> | <i>Type</i> | <i>Class</i> | <i>Ni%_{METAL}</i> | <i>Fa%_{OLIV}</i> | <i>History</i> | <i>Date</i> | <i>Mass (kg)</i> | <i>Refs_{MINLIB}</i> | <i>Earliest</i> |
|-----------------------------|-------------|--------------|----------------------------|---------------------------|----------------|-------------|------------------|------------------------------|-----------------|
| <i>Lone Island Lake</i> | Iron | IAB | 7.62 | - | Find | 2005 | >5.0 | 2 | 2005 |
| <i>Pinawa</i> | Iron | IAB | 7.57 | - | Find | 1999 | 2.5 | 3 | 2005 |
| Riverton | Chondrite | H5 | - | 20 | Find | 1960 | 0.103 | 2 | 1976 |
| N.W.T. (2) | | | | | | | | | |
| Great Bear Lake | Chondrite | H6 | - | 19 | Find | 1936 | 0.04 | 2 | 1963 |
| Holman Island | Chondrite | LL(?) | - | 29 | Find | 1951 | 0.552 | 8 | 1963 |
| NEW BRUNSWICK (1) | | | | | | | | | |
| Benton | Chondrite | LL6 | - | 31 | Fall | 1949 | 2.84 | 6 | 1964 |
| ONTARIO (16) | | | | | | | | | |
| Blithfield | Chondrite | E6 | - | - | Find | 1910 | 1.83 | 18 | 1922 |
| De Cewsville | Chondrite | H6 | - | 18 | Fall | 1887 | 0.340 | 3 | 1900 |
| Dresden (Ontario) | Chondrite | H6 | - | 20 | Fall | 1939 | 47.7 | 21 | 1939 |
| Grimsby | Chondrite | H5 | - | 18 | Fall | 2009 | 0.215 | 1 | 2010 |
| Hagersville | Iron | IAB | 6.89 | - | Find | 1999 | 30.0 | 2 | 2001 |
| Kitchener | Chondrite | L6 | - | 26 | Fall | 1998 | 0.202 | 12 | 1998 |
| Madoc | Iron | IIIA | 7.52 | - | Find | 1854 | 167.5 | 24 | 1855 |
| Manitouwabing | Iron | IIIA | 7.34 | - | Find | 1962 | 38.6 | 17 | 1964 |
| Midland | Iron | IA | 8.37 | - | Find | 1960 | 0.034 | 4 | 1971 |
| Osseo | Iron | IA | 6.51 | - | Find | 1931 | 46.3 | 11 | 1938 |
| Shelburne | Chondrite | L5 | - | 24 | Fall | 1904 | 18.6 | 12 | 1904 |
| Southampton | Stony iron | Pallasite | 9.47 | 12.5 | Find | 2001 | 3.58 | 3 | 2002 |
| Thurlow | Iron | IIIB | 9.92 | - | Find | 1888 | 5.5 | 5 | 1900 |
| Toronto | Iron | IAB | 7.04 | - | Find | 1997 | 2.715 | 4 | 1997 |
| Welland | Iron | IIIA | 8.77 | - | Find | 1888 | 8.16 | 19 | 1891 |
| Wood Lake | Chondrite | H4 | - | 19 | Find | 2003 | 0.35 | 1 | 2004 |
| QUEBEC (5) | | | | | | | | | |
| Chambord | Iron | IIIA | 7.53 | - | Find | 1904 | 6.6 | 5 | 1963 |
| <i>Chibougamau</i> | Iron | IAB | 6.54 | - | Find | 1972 | 1.452 | 2 | 2000 |
| Lac Dodon | Iron | IAB | 8.64 | - | Find | 1993 | 0.800 | 4 | 1995 |
| Penouille | Iron | IAB | 9.40 | - | Find | 1984 | 0.072 | 3 | 1995 |
| St-Robert | Chondrite | H5 | - | 19 | Fall | 1994 | 25.4 | 23 | 1994 |
| For historical reference: | | | | | | | | | |
| Leeds [= Toluca, see below] | Iron | IA | 8.08 | - | Find | 1931 | 1.445 | 10 | 1939 |

| <i>Meteorite</i> | <i>Type</i> | <i>Class</i> | <i>Ni%_{METAL}</i> | <i>Fa%_{OLIV}</i> | <i>History</i> | <i>Date</i> | <i>Mass (kg)</i> | <i>Refs_{MINLIB}</i> | <i>Earliest</i> |
|-----------------------------|-------------|--------------|----------------------------|---------------------------|----------------|-------------|------------------|------------------------------|-----------------|
| SASKATCHEWAN (15) | | | | | | | | | |
| Annaheim | Iron | IA-ANOM | 7.74 | - | Find | 1916 | 11.84 | 13 | 1921 |
| Blaine Lake | Chondrite | L6 | - | 26 | Find | 1974 | 1.896 | 5 | 1978 |
| Bruno | Iron | IIA | 5.79 | - | Find | 1931 | 13 | 6 | 1936 |
| Burstall | Iron | IAB | 6.57 | - | Find | 1992 | 0.359 | 4 | 1998 |
| Buzzard Coulee | Chondrite | H4 | - | 18 | Fall | 2008 | ≥200 | 5 | 2008 |
| Catherwood | Chondrite | L6 | - | 25 | Find | 1965 | 3.92 | 8 | 1973 |
| <i>Delaine Lake</i> | Chondrite | H5 | - | 19 | Find | 2000 | 3.0 | 5 | 2000 |
| Fillmore | Iron | IA | 7.18 | - | Find | 1916 | 0.200 | 3 | 1971 |
| Garden Head | Iron | IRANOM | 16.96 | - | Find | 1944 | 1.296 | 5 | 1971 |
| <i>Hodgeville</i> | Chondrite | H3-H4(?) | - | - | Find | 1996 | 7.000 | 1 | 2002 |
| Kinley | Chondrite | L6 | - | - | Find | 1965 | 2.44 | 4 | 1971 |
| Red Deer Hill | Chondrite | L6 | - | 26 | Find | 1975 | 25.0 | 5 | 1978 |
| <i>Saskatchewan Landing</i> | Stone;(?) | Stone | - | - | Find | 1980 | 8.5 | 3 | 2000 |
| Springwater | Stony iron | Pallasite | 12.6 | 18 | Find | 1931 | 67.6 | 52 | 1932 |
| Wynyard | Chondrite | H5 | - | 18 | Find | 1968 | 3.479 | 4 | 1980 |
| YUKON (2) | | | | | | | | | |
| Gay Gulch | Iron | IRANOM | 15.06 | - | Find | 1901 | 0.483 | 7 | 1915 |
| Skookum | Iron | IVB | 17.13 | - | Find | 1905 | 15.88 | 18 | 1915 |

OTHERS (7 – countless “meteorwrongs” have been reported)

| <i>Name</i> | <i>Status</i> | <i>Area</i> | <i>Likely explanation</i> | <i>Refs_{MINLIB}</i> | <i>Earliest</i> |
|---------------|---------------|-------------|---------------------------------------|------------------------------|-----------------|
| Akpohon | Discredited | N.W.T. | Dubious - synonym of Cape York | 1 | 1980 |
| Eastman | Discredited | Quebec | Dubious - no material | 1 | 1968 |
| Leeds | Discredited | Quebec | Dubious - synonym of Toluca | 10 | 1939 |
| Malaspina | Discredited | B.C. | Dubious - pseudometeorite | 1 | 2001 |
| Otasawian | Discredited | Alberta | Dubious - synonym of Canyon Diablo? | 2 | 1969 |
| Prince George | Discredited | B.C. | Dubious - fireball event, no material | 1 | 1971 |
| Takysie Lake | Discredited | B.C. | Dubious - pseudometeorite | 2 | 1967 |

NOTES

Mass and some other information are provisional in the case of some of the most-recent falls and finds. Physical specimens have been documented for Akpohon, Leeds and Otasawian (iron meteorites) and Takysie Lake (volcanic rock). No material was recovered in the case of Eastman and Prince George, which are included here only for consistency with earlier meteorite catalogues. Hundreds of "meteorwrongs" have been diagnosed over the years by Canadian museum and university staff: all kinds of slag and metallurgical products ("Malaspina", a steel, may be remembered by a few!), mafic-ultramafic rocks, hematite nodules, pyrite spheroids, geodes and other natural terrestrial rocks considered remarkable by their finders, for reasons of circumstance, density, texture, shape and other features. The finders should not be discouraged; in every few hundred meteorwrongs there is often a meteorite. The latter are sometimes part of an abundant shower or major find (Holbrook, Canyon Diablo), and sometimes a true unknown, new to science: the January 2000 fall of Tagish Lake appears to be in this invaluable category. For further details on all but the latest finds and falls, see the recent 5th edition of the N.H.M. meteorite catalogue (Grady, 2000). See also the web sites of the Meteoritical Society and MIAC, and of the Prairie Meteorite Search, a regional recovery project led by MIAC members, which has been responsible for bringing to light a number of newly-recognized meteorites.

The most obvious deficiency in this compilation is the increasing backlog of meteorites which have not been submitted or, at the least, not yet approved by the Meteoritical Bulletin: eight stones and six irons. Out of the 73 meteorites attributed to Canada, 29 [40%] are irons. BUT the actual falls are all stones: 0/30 irons, 0/3 stony-irons and 17/40 stony meteorites (chondrites). The distribution of falls and finds amongst provinces is also intriguing, and not unrelated to the distribution of arable land.

REFERENCES

- GRADY,MM (2000) Catalogue of Meteorites. Natural History Museum, London / Cambridge University Press, 5th edition, 690pp. plus CD-ROM.
- GRAHAM,AL, BEVAN,AWR and HUTCHISON,R (1985) Catalogue of Meteorites. British Museum (Natural History), London, 4th edition, 460pp.
- KISSIN,SA, PLOTKIN,H and BORDELEAU,A (1999) The Leeds, Quebec meteorite: its strange history and a re-evaluation of its identity. J.Roy.Astron.Soc.Canada 93, 135-139.
- SMITH,DGW, FOLINSBEE,RE and HALL-BEYER,M (1973) A note on the mineralogy and classification of the Vilna meteorite. Meteoritics 8, 197-199.
- TRAILL,RJ (1980) Catalogue of the National Meteorite Collection of Canada Revised to December 31, 1979. Geol.Surv.Canada Pap. 80-17, 19pp.
- WHITE,R (1984) Canadian Meteorites. Provincial Museum of Alberta, 43pp.

MIAC

<http://miac.uqac.ca>

METEORITICAL SOCIETY and Meteoritical Bulletin

<http://www.meteoriticalsociety.org>

PRAIRIE METEORITE SEARCH

<http://www.geo.ucalgary.ca/PMSearch/>

| <i>Meteorite</i> | <i>Type</i> | <i>Class</i> | <i>Ni%_{METAL}</i> | <i>Fa%_{OLIV}</i> | <i>History</i> | <i>Date</i> | <i>Mass (kg)</i> | <i>Refs_{MINLIB}</i> | <i>Earliest</i> |
|---------------------------------------|-------------|-----------------|----------------------------|---------------------------|----------------|-------------|------------------|------------------------------|-----------------|
| WORLDWIDE, for comparison (38) | | | | | | | | | |
| ALH84001 | Achondrite | SNC | - | - | Find | 1984 | 1.900 | 153 | 1991 |
| Allende | Chondrite | CV3 | - | - | Fall | 1969 | 2000 | 496 | 1970 |
| Bishunpur | Chondrite | LL3.1 | - | - | Fall | 1895 | 1.039 | 86 | 1932 |
| Bjurbole | Chondrite | L4 | - | 26 | Fall | 1899 | 330 | 56 | 1960 |
| Brenham | Stony iron | Pallasite | 11.1 | 12.5 | Find | 1890 | 1490 | 55 | 1890 |
| Campo del Cielo | Iron | IA | 6.62 | - | Find | 1576 | 15000 | 51 | 1932 |
| Canyon Diablo | Iron | IA | 6.98 | - | Find | 1891 | 30000 | 204 | 1891 |
| Chainpur | Chondrite | LL3.4 | - | 8-45 | Fall | 1907 | 8.66 | 83 | 1932 |
| Chassigny | Achondrite | SNC;chassignite | - | - | Fall | 1815 | 4.0 | 83 | 1940 |
| Coahuila | Iron | IIA | 5.49 | - | Find | 1837 | 2060 | 58 | 1855 |
| Cold Bokkeveld | Chondrite | CM2 | - | 0-91 | Fall | 1838 | 5.14 | 55 | 1966 |
| EET79001 | Achondrite | SNC;shergottite | - | - | Find | 1979 | 7.942 | 73 | 1983 |
| Ergheo | Chondrite | L5 | - | 25 | Fall | 1889 | 20.0 | 21 | 1962 |
| Gibeon | Iron | IVA | 7.68 | - | Find | 1836 | 18600 | 83 | 1961 |
| Hoba | Iron | IVB | 16.56 | - | Find | 1920 | 60000 | 46 | 1926 |
| Holbrook | Chondrite | L6 | - | 25 | Fall | 1912 | 219 | 43 | 1912 |
| Imilac | Stony iron | Pallasite | 9.9 | 12 | Find | 1822 | 366 | 31 | 1906 |
| Indarch | Chondrite | EH4 | - | - | Fall | 1891 | 27 | 73 | 1962 |
| Jilin | Chondrite | H5 | - | 18 | Fall | 1976 | 4000 | 57 | 1976 |
| Juvinas | Achondrite | Eucrite | - | - | Fall | 1821 | 91 | 58 | 1940 |
| Knyahinya | Chondrite | L5 | - | 25 | Fall | 1866 | 500 | 43 | 1880 |
| Kodaikanal | Iron | III-E-ANOM | 8.22 | - | Find | 1898 | 16 | 47 | 1906 |
| Mezo-Madaras | Chondrite | L3 | - | 26 | Fall | 1852 | 22.7 | 45 | 1901 |
| Murchison | Chondrite | CM2 | - | - | Fall | 1969 | 100 | 381 | 1972 |
| Nakhla | Achondrite | SNC;nakhlite | - | - | Fall | 1911 | 40 | 120 | 1940 |
| Negrillos | Iron | IIA | 5.41 | - | Find | 1936 | 28.5 | 36 | 1941 |
| Norton County | Achondrite | Aubrite | - | - | Fall | 1948 | 1080 | 43 | 1962 |
| Orgueil | Chondrite | CI | - | - | Fall | 1864 | 10.5 | 170 | 1939 |
| Paneth's Iron | Iron | III-E | 8.98 | - | Find | 1873 | 150 | 8 | 1976 |
| Parnallee | Chondrite | LL3.6 | - | 5-29 | Fall | 1857 | 68.9 | 53 | 1861 |
| Portales Valley | Chondrite | H6 | - | 19 | Fall | 1998 | 71.384 | 35 | 1998 |
| Semarkona | Chondrite | LL3.0 | - | 20 | Fall | 1940 | 0.691 | 147 | 1963 |
| Shergotty | Achondrite | SNC;shergottite | - | - | Fall | 1865 | 5.000 | 89 | 1932 |
| Sikhote Alin | Iron | IIB | 5.87 | - | Fall | 1947 | 23000 | 49 | 1961 |
| Tieschitz | Chondrite | H3.6 | - | 10-55 | Fall | 1878 | 28 | 84 | 1939 |
| Toluca | Iron | IA | 8.07 | - | Find | 1776 | 2100 | 101 | 1899 |
| Willamette | Iron | IIIAB | 7.62 | - | Find | 1902 | 15000 | 17 | 1904 |
| Zagami | Achondrite | SNC | - | - | Fall | 1962 | 18.16 | 94 | 1983 |

DEFINITE or POSSIBLE CANADIAN IMPACT SITES
05 January 2005 / 08 December 2007 (partial revision)

| <i>Site</i> | <i>Refs_{MINLIB}</i> | <i>Earliest</i> | <i>Total refs. on area</i> |
|------------------------------------------|------------------------------|-----------------|----------------------------|
| Boreal (Shebandowan area, NW Ontario) | 1 | 2006 | |
| Brent | 27 | 1960 | |
| Carswell Lake | 14 | 1960 | 40, 1960- |
| Charlevoix (La Malbaie, Baie St. Paul) | 16 | 1968 | |
| Clearwater Lakes | 31 | 1960 | |
| Deep Bay (on Reindeer Lake) | 14 | 1960 | |
| Eagle Butte | 2 | 1994 | |
| Elbow | 1 | 1998 | |
| Gow Lake | 1 | 1991 | |
| Gulf of St. Lawrence | 3 | 1960 | |
| Haughton | 45 | 1981 | |
| Holleford | 21 | 1960 | |
| Ile Rouleau | 1 | 1976 | |
| Lac Couture | 5 | 1960 | |
| Lac de la Presqu'île | 2 | 1990 | |
| Lake St. Martin | 9 | 1979 | |
| Manicouagan | 42 | 1960 | 98, 1960- |
| Maple Creek | 3 | 1992 | |
| Mecatina | 3 | 1960 | |
| Menihek Lake | 3 | 1960 | |
| Mistastin | 9 | 1969 | |
| Montagnais | 3 | 1990 | |
| Nicholson Lake | 3 | 1968 | |
| Pilot Lake | 1 | 1968 | |
| Pingualuit (New Quebec, Ungava, Chubb) * | 21 | 1960 | |
| Sept-Iles (Banc Ouellet) | 0 | ---- | |
| Skeleton Lake | 3 | 1970 | |
| Skootamatta Lake | 1 | 1978 | 23, 1940- |
| Slate Islands | 32 | 1978 | |
| Steen River | 5 | 1977 | |
| Sudbury | 183 | 1969 | 1282, 1889- |
| Wanapitei | 16 | 1971 | 82, 1917- |
| West Hawk Lake | 9 | 1960 | |

Notes

33 definite / suggested impact sites. Others (e.g., Des Plaines, La Moine) are not mentioned in current MINLIB records. Thanks to Burkhard Dressler and Michael Higgins for spotting omissions!

* See also a beautifully illustrated guide to the lake, the new park and the local ecology:

http://www.fapaq.gouv.qc.ca/en/consultation/pingualuit/synthese_ping_A.pdf
ou (en français)

http://www.fapaq.gouv.qc.ca/fr/consultation/pingualuit/synthese_ping_F.pdf