

Progression of Canadian Swimming Records (50m)

| Time | Place/Series | Competitor | Competition | Venue | Date |
|----------------------------------|--------------|-------------------------|-----------------------------|---------------------|----------------|
| Men's 50 metre Freestyle | | | | | |
| 21.73 | 6sf2 | Brent Hayden | World Championships | Rome, ITA | 31 Jul 2009 |
| 21.94 | 1 | Hayden | CAN Nationals/WCTs | Montreal, Qc | 11 Jul 2009 |
| 22.01 | 1h | Hayden | CAN Nationals/WCTs | Montreal, Qc | 11 Jul 2009 |
| 22.19 | 2 | Hayden | Commonwealth Games | Melbourne, AUS | 21 Mar 2006 |
| 22.42 | 1 | Matthew Rose | CAN Olympic Trials | Etobicoke, On | 10 Jul 2004 |
| 22.80 | h | Rose | Pan American Games | Santo Domingo, DOM | 15 Aug 2003 |
| 22.81 | R | Mark Andrews | CSCA Invitational | Indianapolis, In | 10 Apr 1988 |
| 22.81 | 5 | Yannick Lupien | Pan Pacific Championships | Yokohama, JPN | 26 Aug 2002 |
| 22.93 | | Dean Kondziolka | World University Games | Buffalo, NY | 8 Jul 1993 |
| 23.30 | | Claude Lamy | Pan American Games | Indianapolis, In | 17 Aug 1987 |
| 23.33 | 1? | Lamy | CAN Nationals/Pan Am Trials | Calgary, Ab | 22 Jul 1987 |
| 23.54 | | Marcel Gery | | Winnipeg, Mb | 23 Mar 1987 |
| 23.54 | | Lamy | World University Games | Zagreb, YUG | 14 Jul 1987 |
| 23.57 | h | Blair Hicken | World Championships | Madrid, ESP | 22 Aug 1986 |
| 23.63 | 1? | Hicken | CAN Nationals/PPTs | Montreal, Qc | 3 Aug 1985 |
| 23.69 cwr | 1 | Graham Welbourn | "CAN Olympic Trials" | Etobicoke, On | 15 Jul 1980 |
| 23.75 cwr | 1R | Gary MacDonald | CAN Nationals | Montreal, Qc | 5 Aug 1977 |
| 23.75 cwr | 1h | Welbourn | "CAN Olympic Trials" | Etobicoke, On | 15 Jul 1980 |
| 24.00# cwr | 1? | Jim Adams [BRA] | CAN Nationals | Ottawa, On | 12 Aug 1974 |
| 24.00 cwr | 1 | MacDonald | CAN Nationals | Montreal, Qc | 2 Aug 1977 |
| 24.53 (nr?) | 1 | Stephen 'Steve' Pickell | Western Canada Games | Regina, Sk | 10-17 Aug 1975 |
| 24.71 | | Richard Zajchowski | | New Westminster, BC | 4 Aug 1973 |
| Men's 100 metre Freestyle | | | | | |
| 47.27 | 4 | Brent Hayden | World Championships | Rome, ITA | 30 Jul 2009 |
| 47.56 | 3R | Hayden | Olympic Games | Beijing, CHN | 11 Aug 2008 |
| 48.28 | 1Rh1 | Hayden | Olympic Games | Beijing, CHN | 10 Aug 2008 |
| 48.43 | =1 | Hayden | World Championships | Melbourne, AUS | 29 Mar 2007 |
| 48.55 | 2R | Hayden | World Championships | Melbourne, AUS | 25 Mar 2007 |
| 48.59 | 1fA | Hayden | Pan Pacific Championships | Victoria, BC | 18 Aug 2006 |
| 48.92 | 6 | Hayden | World Championships | Montreal, Qc | 28 Jul 2005 |
| 49.05 | 3sf1 | Hayden | World Championships | Montreal, Qc | 27 Jul 2005 |
| 49.19 | 1 | Hayden | CAN Olympic Trials | Etobicoke, On | 9 Jul 2004 |
| 49.53 | 4 | Hayden | Pan Pacific Championships | Yokohama, JPN | 28 Aug 2002 |
| 49.70 | 3sf2 | Hayden | Pan Pacific Championships | Yokohama, JPN | 27 Aug 2002 |
| 49.76 | 2h6 | Hayden | Pan Pacific Championships | Yokohama, JPN | 27 Aug 2002 |
| 49.90 | 2R | Yannick Lupien | Pan Pacific Championships | Yokohama, JPN | 24 Aug 2002 |
| 49.94 | 4 | Lupien | Pan Pacific Championships | Sydney, AUS | 26 Aug 1999 |
| 50.06 | 4 | Stephen Clarke | Pan Pacific Championships | Fukuoka, JPN | 11 Aug 1997 |
| 50.14 | 1h7 | Clarke | Olympic Games | Atlanta, Ga | 22 Jul 1996 |
| 50.18 | h | Clarke | World Championships | Rome, ITA | 7 Sep 1994 |
| 50.21 | 1 | Clarke | Commonwealth Games | Victoria, BC | 21 Aug 1994 |
| 50.45 | | Donald 'Sandy' Goss | | Calgary, Ab | 2 Aug 1989 |
| 50.50 | | Goss | CAN Nationals | Etobicoke, On | 18 Aug 1988 |
| 50.68 | | Marcel Gery | | Canet, FRA | 25 Jun 1988 |
| 50.89 | h | Gery | Pan Pacific Championships | Brisbane, AUS | 14 Aug 1987 |
| 50.92 | | Blair Hicken | | Montreal, Qc | 1 Aug 1985 |
| 50.92 | | Gery | CAN Nationals | Calgary, Ab | 23 Jul 1987 |
| 50.92 | | Vladimir Cerny | CAN Nationals | Calgary, Ab | 24 Jul 1987 |
| 51.03 | | Hicken | | Montreal, Qc | 1 Aug 1985 |
| 51.34 cwr | 2R | Graham Welbourn | CAN vs FRG Duel Meet | Etobicoke, On | 23 Jul 1980 |
| 51.48 cwr | 2 | Welbourn | CAN vs FRG Duel Meet | Etobicoke, On | 23 Jul 1980 |
| 51.62 cwr | 1 | Welbourn | "CAN Olympic Trials" | Etobicoke, On | 18 Jul 1980 |
| 51.72 cwr | 1h | Welbourn | "CAN Olympic Trials" | Etobicoke, On | 18 Jul 1980 |
| 51.78 cwr | 1R | William 'Bill' Sawchuk | CAN vs URS Duel | Etobicoke, On | 20 Apr 1978 |
| 51.81 cwr | 1 | Stephen 'Steve' Pickell | CAN Nationals | Montreal, Qc | 6 Aug 1977 |
| 51.87 cwr | 1 | Pickell | CAN Olympic Trials | Etobicoke, On | 5 Jun 1976 |
| 52.48 | 1h | Pickell | CAN Olympic Trials | Etobicoke, On | 5 Jun 1976 |
| 52.75 | 1 | Pickell | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |

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|--------|------|----------------|---------------------------|-----------------|-------------|
| 52.79? | 1h | Pickell | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 53.07 | | Brian Phillips | | Quebec City, Qc | 27 Jul 1973 |
| 53.51 | 1 | Phillips | CAN Olympic Trials | Winnipeg, Mb | 10 Aug 1972 |
| 53.76 | 3 | Robert Kasting | Pan American Games | Cali, COL | 11 Aug 1971 |
| 54.21 | 7h10 | Kasting | AAU Nationals | Los Angeles, Ca | 15 Aug 1970 |

Men's 200 metre Freestyle

| | | | | | |
|-------------|------|-------------------------|---------------------------------|------------------|----------------|
| 1:46.40 | 2h6 | Brent Hayden | Olympic Games | Beijing, CHN | 10 Aug 2008 |
| 1:46.85 | 4 | Hayden | World Championships | Montreal, Qc | 26 Jul 2005 |
| 1:47.16 | 1 | Rick Say | CAN Olympic Trials | Etobicoke, On | 7 Jul 2004 |
| 1:48.26 | 4 | Say | Pan Pacific Championships | Yokohama, JPN | 26 Aug 2002 |
| 1:48.50 | 3sf2 | Say | Olympic Games | Sydney, AUS | 17 Sep 2000 |
| 1:48.62 | 3h7 | Say | Olympic Games | Sydney, AUS | 17 Sep 2000 |
| 1:48.86 | 1 | Say | CAN Spring Nationals | Etobicoke, On | 8 Mar 2000 |
| 1:49.71 | 7 | Turlough O'Hare | World Championships | Perth, AUS | 7 Jan 1991 |
| 1:49.84 | 3 | Marcel Gery | Pan Pacific Championships | Brisbane, AUS | 13 Aug 1987 |
| 1:50.27 cwr | 1 | Peter Szmidt | "CAN Olympic Trials" | Etobicoke, On | 17 Jul 1980 |
| 1:51.59 cwr | 1h | Szmidt | "CAN Olympic Trials" | Etobicoke, On | 17 Jul 1980 |
| 1:51.85 cwr | h | Szmidt | US Spring Nationals | Austin, Tx | 11 Apr 1980 |
| 1:51.87 cwr | 2 | Szmidt | FINA Cup | Tokyo, JPN | 3 Sep 1979 |
| 1:51.94 cwr | 4 | Szmidt | World Championships | West Berlin, FRG | 20 Aug 1978 |
| 1:52.65 | 1h7 | Szmidt | World Championships | West Berlin, FRG | 20 Aug 1978 |
| 1:53.52 | 1 | Szmidt | CAN Nationals/CGTS-WCTs | Regina, Sk | 5 Jul 1978 |
| 1:53.66 | 1 | William 'Bill' Sawchuk | CAN Nationals | Montreal, Qc | 4 Aug 1977 |
| 1:53.86 | 3h5 | Stephen Badger | Olympic Games | Montreal, Qc | 19 Jul 1976 |
| 1:54.61 | 1 | Badger | CAN Olympic Trials | Etobicoke, On | 2 Jun 1976 |
| 1:55.66 | 1h | Badger | CAN Olympic Trials | Etobicoke, On | 2 Jun 1976 |
| 1:55.90 | 1h2 | Stephen 'Steve' Pickell | CAN Olympic Trials | Etobicoke, On | 2 Jun 1976 |
| 1:55.32# | 1 | Badger [AUS] | Canadian Dolphin SC Spring Meet | Vancouver, BC | 14-15 Mar 1976 |
| 1:55.57? | | Bruce Robertson | | | 1975 |
| 1:55.92 | 1 | Robertson | Western Canada Games | Regina, Sk | 16 Aug 1975 |
| 1:56.48 | 1 | Pickell | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |
| 1:56.84 | 2h7 | Ralph Hutton | Olympic Games | Munich, FRG | 29 Aug 1972 |

Men's 400 metre Freestyle

| | | | | | |
|-------------|-----|----------------|------------------------------|------------------|--------------|
| 3:43.46 | 1 | Ryan Cochrane | Commonwealth Games | Glasgow, GBR | 24 Jul 2014 |
| 3:44.85 | 4h5 | Cochrane | Olympic Games | Beijing, CHN | 9 Aug 2008 |
| 3:47.21 | 3 | Cochrane | Janet Evans Invitational | Los Angeles, Ca | 7 Jun 2008 |
| 3:47.92 | 1 | Cochrane | CAN Olympic Trials | Montreal, Qc | 1 Apr 2008 |
| 3:49.08 | 2 | Andrew Hurd | Commonwealth Games | Melbourne, AUS | 16 Mar 2006 |
| 3:49.67 | 1 | Hurd | CAN Olympic Trials | Etobicoke, On | 6 Jul 2004 |
| 3:49.99 | 1 | Rick Say | CAN Olympic Trials | Montreal, Qc | 28 May 2000 |
| 3:50.49 wr | 1 | Peter Szmidt | "CAN Olympic Trials" | Etobicoke, On | 16 Jul 1980 |
| 3:55.15 | 1h | Szmidt | US Spring Nationals | Austin, Tx | 10 Apr 1980 |
| 3:55.28 | 2 | Szmidt | FINA Cup | Tokyo, JPN | 1 Sep 1979 |
| 3:56.31 | 2 | Szmidt | URS vs CAN Duel | Moscow, URS | 19 Aug 1979 |
| 3:56.48 | 6 | Szmidt | World Championships | West Berlin, FRG | 23 Aug 1978 |
| 3:57.08 | 1h1 | Szmidt | World Championships | West Berlin, FRG | 23 Aug 1978 |
| 3:58.55 | 1 | Szmidt | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 3:59.45 | 1 | Stephen Badger | Cardinal Spring Meet | Winnipeg, Mb | 2-4 Apr 1976 |
| 4:04.37 | 1 | Michael Ker | Western Canada Games | Regina, Sk | 15 Aug 1975 |
| 4:05.03 | 1 | Ker | CDSC Age Group & Senior Meet | Vancouver, BC | 15 Jun 1975 |
| 4:06.5-h wr | 1 | Ralph Hutton | AAU Nationals | Lincoln, Ne | 1 Aug 1968 |

Men's 800 metre Freestyle

| | | | | | |
|---------|------|--------------------|---------------------------|----------------|-------------|
| 7:41.86 | 2 | Ryan Cochrane | World Championships | Shanghai, CHN | 27 Jul 2011 |
| 7:41.92 | 3 | Cochrane | World Championships | Rome, ITA | 29 Jul 2009 |
| 7:43.61 | 2h6 | Cochrane | World Championships | Rome, ITA | 28 Jul 2009 |
| 7:47.11 | 1h3+ | Cochrane | Olympic Games | Beijing, CHN | 15 Aug 2008 |
| 7:51.55 | 2h6 | Cochrane | World Championships | Melbourne, AUS | 27 Mar 2007 |
| 7:55.88 | 1h3 | Andrew Hurd | Pan Pacific Championships | Victoria, BC | 17 Aug 2006 |
| 7:58.63 | 1 | Kurtis MacGillvary | CAN Nationals/WCTs | Victoria, BC | 28 Jun 2003 |
| 8:00.22 | 1 | Chris Bowie | CAN Nationals | Etobicoke, On | 2 Aug 1990 |
| 8:02.18 | 3 | Bowie | Pan Pacific Championships | Tokyo, JPN | 18 Aug 1989 |
| 8:08.82 | | Gary Vandermeulen | CAN Nationals | Etobicoke, On | 20 Aug 1988 |
| 8:09.41 | 1 | Harry Taylor | CAN Olympic Trials | Montreal, Qc | 1 Jun 1988 |

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|----------|------|----------------------|---------------------------|-----------------|--------------|
| 8:09.54 | 4+ | Taylor | Pan Pacific Championships | Brisbane, AUS | 16 Aug 1987 |
| 8:09.62 | 3+ | Christopher Chalmers | Commonwealth Games | Edinburgh, GBR | 30 Jul 1986 |
| 8:13.00 | 3h4+ | David Shemilt | Olympic Games | Los Angeles, Ca | 3 Aug 1984 |
| 8:14.63 | 7 | Peter Szmidt | McDonalds International | Los Angeles, Ca | 14 Jul 1983 |
| 8:13.97? | ?+ | Szmidt | | Etobicoke, On | ?Aug 1980 |
| 8:15.81 | + | Szmidt | CAN vs FRG Duel Meet | Etobicoke, On | 23 Jul 1980 |
| 8:17.71 | fB | Alex Baumann | US Spring Nationals | Austin, Tx | 9 Apr 1980 |
| 8:18.56 | ?1+ | Stephen Badger | ?CAN Nationals | Vancouver, BC | ?10 Aug 1976 |
| 8:20.68 | 3h3+ | Paul Midgeley | Olympic Games | Montreal, Qc | 19 Jul 1976 |
| 8:26.77 | 1+ | Michael Ker | CAN Olympic Trials | Etobicoke, On | 2 Jun 1976 |
| 8:33.68 | Ker | | | Winnipeg, Mb | 19 May 1975 |
| 8:41.60 | 2+ | Mark Langdon | CAN Nationals | Ottawa, On | 15 Aug 1974 |
| 8:45.83 | | Ker | | Quebec City, Qc | 26 Jul 1973 |

Men's 1500 metre Freestyle

| | | | | | |
|-----------|------|----------------------|------------------------------------|-----------------|----------------|
| 14:39.63 | 2 | Ryan Cochrane | Olympic Games | London, GBR | 4 Aug 2012 |
| 14:40.84 | 1h3 | Cochrane | Olympic Games | Beijing, CHN | 15 Aug 2008 |
| 14:50.65 | 1 | Cochrane | Janet Evans Invitational | Los Angeles, Ca | 6 Jun 2008 |
| 14:54.66 | 1 | Cochrane | CAN Olympic Trials | Montreal, Qc | 6 Apr 2008 |
| 14:59.02 | | Cochrane | 1. Open EDF de Natation | Paris, FRA | 4 Aug 2007 |
| 15:08.25 | 1 | Cochrane | Bell Grand Prix-Mel Zajac Jr. Meet | Vancouver, BC | 3 Jun 2007 |
| 15:09.44 | 2 | Andrew Hurd | Commonwealth Games | Melbourne, AUS | 21 Mar 2006 |
| 15:11.38 | 1h | Kurtis MacGillvary | AUS Olympic Trials | Sydney, AUS | 2 Apr 2004 |
| 15:12.63 | 4 | Harry Taylor | Commonwealth Games | Auckland, NZL | 30 Jan 1990 |
| 15:16.00 | 1 | Taylor | CAN Olympic Trials | Montreal, Qc | 1 Jun 1988 |
| 15:18.05 | 3 | Christopher Chalmers | Commonwealth Games | Edinburgh, GBR | 30 Jul 1986 |
| 15:24.78 | 3h4 | David 'Dave' Shemilt | Olympic Games | Los Angeles, Ca | 3 Aug 1984 |
| 15:26.27 | 1 | Peter Szmidt | CAN vs FRG Duel Meet | Etobicoke, On | 23 Jul 1980 |
| 15:28.88 | 1 | Szmidt | "CAN Olympic Trials" | Etobicoke, On | 19 Jul 1980 |
| 15:40.85 | 8fA? | Szmidt | US Spring Nationals | Austin, Tx | 12 Apr 1980 |
| 15:45.34 | 4 | Alex Baumann | URS vs CAN Duel | Moscow, URS | 20 Aug 1979 |
| 15:46.27 | 1 | Stephen Badger | ?CAN Nationals | Vancouver, BC | ?10 Aug 1976 |
| 15:49.78 | 3h3 | Paul Midgeley | Olympic Games | Montreal, Qc | 19 Jul 1976 |
| 15:51.73 | 1 | Michael Ker | CAN Olympic Trials | Etobicoke, On | 2 Jun 1976 |
| 16:08.86 | 1h1 | Midgeley | CAN Olympic Trials | Etobicoke, On | 1 Jun 1976 |
| 15:48.97# | 1 | Badger [AUS] | Canadian Dolphin SC Spring Meet | Vancouver, BC | 14-15 Mar 1976 |
| 16:10.08 | 1 | Michael Ker | CAN Spring Nationals/WCTs | Winnipeg, Mb | 19 May 1975 |
| 16:22.29 | 2 | Ker | Canadian Dolphin Spring Invit'l | Vancouver, BC | 3 Mar 1975 |
| 16:22.65 | 2 | Doug Martin | CAN Nationals | Ottawa, On | 15 Aug 1974 |
| 16:35.99 | | Ker | | Quebec City, Qc | 26 Jul 1973 |

Men's 50 metre Backstroke

| | | | | | |
|-----------|------|-------------------------|------------------------|---------------|-------------|
| 25.13 | 1 | Russell Wood | CAN Nationals/WCTs | Toronto, On | 2 Apr 2015 |
| 25.13 | 8sf2 | Javier Acevedo | World Championships | Budapest, HUN | 29 Jul 2017 |
| 25.23 | 6h13 | Pascal Wollach | World Championships | Rome, ITA | 1 Aug 2009 |
| 25.37 | 1 | Wollach | CAN Nationals/WCTs | Montreal, Qc | 10 Jul 2009 |
| 25.61 | sf | Matthew Rose | World University Games | Belgrade, SRB | 7 Jul 2009 |
| 25.68 | h | Rose | World University Games | Belgrade, SRB | 7 Jul 2009 |
| 25.73 | 1R | Riley Janes | CAN Summer Nationals | Victoria, BC | 10 Aug 2002 |
| 25.79 | 1 | Janes | CAN Nationals | Etobicoke, On | 9 Aug 2001 |
| 25.81 cwr | 1R | Chris Renaud | CAN Nationals | Etobicoke, On | 6 Aug 1993 |
| 26.10 cwr | 3+ | Sean Murphy | Olympic Games | Seoul, KOR | 24 Sep 1988 |
| 27.03 | 1R | Stephen 'Steve' Pickell | CAN Nationals | Edmonton, Ab | 9 Aug 1979 |
| 28.65 | 1+ | Pickell | CAN Nationals | Montreal, Qc | 3 Aug 1977 |

Men's 100 metre Backstroke

| | | | | | |
|-----------|-----|------------------|---------------------------|----------------|-------------|
| 53.35 | 1 | Markus Thormeyer | CAN Nationals/WCTs | Toronto, On | 3 Apr 2019 |
| 53.63 | 1 | Pascal Wollach | CAN Nationals/WCTs | Montreal, Qc | 8 Jul 2009 |
| 53.98 cwr | 1 | Mark Tewksbury | Olympic Games | Barcelona, ESP | 30 Jul 1992 |
| 54.75 cwr | 1h6 | Tewksbury | Olympic Games | Barcelona, ESP | 30 Jul 1992 |
| 55.19 cwr | 2 | Tewksbury | Pan Pacific Championships | Edmonton, Ab | 22 Aug 1991 |
| 55.19 cwr | 1tt | Tewksbury | CAN Winter Nationals | Winnipeg, Mb | 22 Feb 1992 |
| 55.22 cwr | 1 | Sean Murphy | CAN Olympic Trials | Montreal, Qc | 1 Jun 1988 |

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|-----------|----|-------------------------|---------------------------|-------------------|-------------|
| 55.53 cwr | 1h | Murphy | CAN Olympic Trials | Montreal, Qc | 1 Jun 1988 |
| 55.89 cwr | 1 | Tewksbury | Pan Pacific Championships | Brisbane, AUS | 13 Aug 1987 |
| 56.45 cwr | R | Mike West | World University Games | Edmonton, Ab | 7 Jul 1983 |
| 56.64 | 1 | West | World University Games | Edmonton, Ab | 6 Jul 1983 |
| 56.88 | 1R | West | Commonwealth Games | Brisbane, AUS | 6 Oct 1982 |
| 57.12 | 1 | West | Commonwealth Games | Brisbane, AUS | 5 Oct 1982 |
| 57.16 | 1 | West | FRG vs URS vs CAN | Heidelberg, FRG | 30 Jul 1981 |
| 57.36 cwr | 1 | Stephen 'Steve' Pickell | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 57.58 cwr | 2R | Pickell | Olympic Games | Montreal, Qc | 22 Jul 1976 |
| 57.60 cwr | 1 | Pickell | CAN Nationals | Ottawa, On | Aug 1974 |
| 59.05 cwr | 1R | Pickell | Commonwealth Games | Christchurch, NZL | 1 Feb 1974 |
| 59.61 cwr | 4R | Erik Fish | Olympic Games | Munich, FRG | 4 Aug 1972 |

Men's 200 metre Backstroke

| | | | | | |
|-------------|------|-------------------------|---------------------------|------------------|----------------|
| 1:56.96 | 2sf1 | Markus Thormeyer | World Championships | Gwangju, KOR | 25 Jul 2019 |
| 1:57.34 | 1 | Matthew 'Matt' Hawes | CAN Nationals/WCTs | Montreal, Qc | 11 Jul 2009 |
| 1:58.50 | 7sf2 | Keith Beavers | Olympic Games | Beijing, CHN | 14 Aug 2008 |
| 1:58.64 | 1 | Hawes | CAN Spring Nationals | Victoria, BC | 23 Mar 2007 |
| 1:58.97 | 1 | Beavers | CAN Nationals/PPTs | Montreal, Qc | 29 Jul 2006 |
| 1:59.15 | 3 | Beavers | US Spring Nationals | Indianapolis, In | 2 Apr 2003 |
| 1:59.35 | 3 | Beavers | Pan Pacific Championships | Yokohama, JPN | 28 Aug 2002 |
| 1:59.39 cwr | 3 | Mark Versfeld | World Championships | Perth, AUS | 18 Jan 1998 |
| 1:59.61 | 2 | Versfeld | Pan Pacific Championships | Fukuoka, JPN | 12 Aug 1997 |
| 1:59.81 | | Chris Renaud | | | ?1 Aug 1996 |
| 2:00.54 | h | Kevin Draxinger | Pan Pacific Championships | Edmonton, Ab | 24 Aug 1991 |
| 2:01.18 | | Draxinger | | | ?1 Aug 1990 |
| 2:01.20 cwr | 1 | Mike West | CAN Olympic Trials | Etobicoke, On | 17 Jun 1984 |
| 2:01.63 cwr | 3 | West | World University Games | Edmonton, Ab | 4 Jul 1983 |
| 2:02.73 | 1 | Cameron Henning | CAN Summer Nationals | Montreal, Qc | 15 Jul 1981 |
| 2:03.45 | 1 | Henning | "CAN Olympic Trials" | Etobicoke, On | 15 Jul 1980 |
| 2:04.93 | 1h | Bruce Berger | "CAN Olympic Trials" | Etobicoke, On | 15 Jul 1980 |
| 2:05.09 | h | Wade Flemons | US Spring Nationals | Austin, Tx | 9 Apr 1980 |
| 2:05.33 | ?h | Henning | US Spring Nationals | Austin, Tx | 9 Apr 1980 |
| 2:06.07 | 1 | Daryl Skilling | CAN Nationals | Montreal, Qc | 2 Aug 1977 |
| 2:06.49 | 1 | Stephen 'Steve' Pickell | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 2:07.16 | 3h4 | Michael 'Mike' Scarth | Olympic Games | Montreal, Qc | 24 Jul 1976 |
| 2:07.46 | 1 | Scarth | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 2:07.76 | 1 | Pickell | CAN Spring Nationals/WCTs | Winnipeg, Mb | 18 May 1975 |
| 2:09.51 | 1 | Pickell | CAN Nationals | Ottawa, On | Aug 1974 |
| 2:10.71 | 3 | Steve Hardy | Santa Clara International | Santa Clara, Ca | Jun 1974 |

Men's 50 metre Breaststroke

| | | | | | |
|-------|------|---------------|-----------------------------|------------------|---------------|
| 27.45 | 4h16 | Scott Dickens | World Championships | Rome, ITA | 28 Jul 2009 |
| 27.81 | 1h | Dickens | CAN Nationals/WCTs | Montreal, Qc | 8 Jul 2009 |
| 28.22 | 1 | Morgan Knabe | CAN Nationals/WCTs | Victoria, BC | 27 Jun 2003 |
| 28.33 | sf | Knabe | World Championships | Fukuoka, JPN | 28 Jul 2001 |
| 28.44 | h | Knabe | World Championships | Fukuoka, JPN | 28 Jul 2001 |
| 29.4 | 1+ | Graham Smith | FINA Cup | Tokyo, JPN | 2 Sep 1979 |
| 29.46 | 2+ | Smith | World Championships | West Berlin, FRG | 20 Aug 1978 |
| 30.3 | 1+ | Smith | CAN Nationals/CGTS-WCTs | Regina, Sk | Jul 1978 |
| 31.0 | 1+ | Smith | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 31.30 | 1+ | Smith | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |

Men's 100 metre Breaststroke

| | | | | | |
|---------|------|---------------|---------------------|--------------|-------------|
| 59.85 | 2h5 | Scott Dickens | Olympic Games | London, GBR | 28 Jul 2012 |
| 1:00.23 | 1 | Dickens | CAN Nationals/WCTs | Montreal, Qc | 9 Jul 2009 |
| 1:00.23 | 8h15 | Mathieu Bois | World Championships | Rome, ITA | 26 Jul 2009 |
| 1:00.70 | 1tt | Morgan Knabe | CAN Nationals/WCTs | Victoria, BC | 30 Jun 2003 |
| 1:00.95 | 1 | Knabe | CAN Nationals/CGTs | Winnipeg, Mb | 21 Mar 2002 |
| 1:01.22 | 1sf | Knabe | CAN Nationals/CGTs | Winnipeg, Mb | 20 Mar 2002 |
| 1:01.25 | 4sf2 | Knabe | World Championships | Fukuoka, JPN | 23 Jul 2001 |
| 1:01.50 | h | Knabe | World Championships | Fukuoka, JPN | 23 Jul 2001 |
| 1:01.58 | 6 | Knabe | Olympic Games | Sydney, AUS | 17 Sep 2000 |

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|-------------|------|-----------------------|-----------------------------|------------------|---------------|
| 1:01.69 | 1h | Knabe | CAN Olympic Trials | Montreal, Qc | 27 May 2000 |
| 1:01.99 cwr | 2 | Victor Davis | Olympic Games | Los Angeles, Ca | 29 Jul 1984 |
| 1:02.82 cwr | 2 | Davis | World Championships | Guayaquil, ECU | 1 Aug 1982 |
| 1:03.06 cwr | 1h | Davis | World Championships | Guayaquil, ECU | 1 Aug 1982 |
| 1:03.45 | 1 | Davis | CAN Nationals/WCTs | Etobicoke, On | 1 Jul 1982 |
| 1:03.60 | 2 | Graham Smith | World Championships | West Berlin, FRG | 20 Aug 1978 |
| 1:03.81 | 1 | Smith | Commonwealth Games | Edmonton, Ab | 9 Aug 1978 |
| 1:03.92 cwr | 2sf2 | Smith | Olympic Games | Montreal, Qc | 19 Jul 1976 |
| 1:05.25 | 1 | Smith | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 1:06.38 | 1 | Smith | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 1:07.06 | 5sf1 | William 'Bill' Mahony | Olympic Games | Munich, FRG | 29 Aug 1972 |
| 1:07.14 | 2h1 | Mahony | Olympic Games | Munich, FRG | 29 Aug 1972 |

Men's 200 metre Breaststroke

| | | | | | |
|------------|------|-----------------------|---------------------------|-----------------|-------------|
| 2:08.84 | 1sf2 | Michael 'Mike' Brown | Olympic Games | Beijing, CHN | 13 Aug 2008 |
| 2:09.84 | 1h6 | Brown | Olympic Games | Beijing, CHN | 12 Aug 2008 |
| 2:11.01 | 1 | Brown | CAN Olympic Trials | Montreal, Qc | 3 Apr 2008 |
| 2:11.22 | 2 | Brown | World Championships | Montreal, Qc | 29 Jul 2005 |
| 2:11.26 | 2sf1 | Brown | World Championships | Montreal, Qc | 28 Jul 2005 |
| 2:11.94 | 6 | Brown | Olympic Games | Athens, GRE | 18 Aug 2004 |
| 2:12.14 | 2sf1 | Brown | Olympic Games | Athens, GRE | 17 Aug 2004 |
| 2:12.69 | 3h4 | Brown | Olympic Games | Athens, GRE | 17 Aug 2004 |
| 2:12.74 | 1 | Morgan Knabe | CAN Nationals/WCTs | Victoria, BC | 28 Jun 2003 |
| 2:12.74 | 1 | Brown | CAN Olympic Trials | Etobicoke, On | 8 Jul 2004 |
| 2:12.87 | 4 | Brown | Pan Pacific Championships | Yokohama, JPN | 27 Aug 2002 |
| 2:13.28 | 2sf1 | Brown | Pan Pacific Championships | Yokohama, JPN | 26 Aug 2002 |
| 2:13.29 | 1 | Knabe | CAN Nationals/CGTs | Winnipeg, Mb | 24 Mar 2002 |
| 2:13.34 wr | 1 | Victor Davis | Olympic Games | Los Angeles, Ca | 2 Aug 1984 |
| 2:14.58 wr | 1 | Davis | CAN Olympic Trials | Etobicoke, On | 19 Jun 1984 |
| 2:14.77 wr | 1 | Davis | World Championships | Guayaquil, ECU | 5 Aug 1982 |
| 2:16.47 | 1 | Davis | CAN Nationals/WCTs | Etobicoke, On | 3 Jul 1982 |
| 2:19.42 | 4 | Graham Smith | Olympic Games | Montreal, Qc | 24 Jul 1976 |
| 2:21.13 | 1 | Smith | CAN Olympic Trials | Etobicoke, On | 4 Jun 1976 |
| 2:21.49 | 1h | Smith | CAN Olympic Trials | Etobicoke, On | 4 Jun 1976 |
| 2:24.13 | 7 | Smith | World Championships | Cali, COL | 24 Jul 1975 |
| 2:26.14 | 1 | Smith | CAN Spring Nationals/WCTs | Winnipeg, Mb | 19 May 1975 |
| 2:26.71 | 2h1 | William 'Bill' Mahony | Olympic Games | Munich, FRG | 2 Sep 1972 |

Men's 50 metre Butterfly

| | | | | | |
|-----------|------|-------------------------|-------------------------|------------------|-------------|
| 23.30 | 4sf2 | Santo Condorelli | World Championships | Kazan, RUS | 2 Aug 2015 |
| 23.52 | 4 | Kelly Aspinall | World University Games | Kazan, RUS | 11 Jul 2013 |
| 23.66 | 1 | Thomas Kindler | CAN Nationals/WCTs | Montreal, Qc | 9 Jul 2009 |
| 23.81 | 1 | Kindler | CAN Nationals | Calgary, Ab | 27 Jul 2007 |
| 23.85 | 4sf2 | Michael 'Mike' Mintenko | World Championships | Montreal, Qc | 24 Jul 2005 |
| 23.97 | 6sf1 | Mintenko | World Championships | Barcelona, ESP | 20 Jul 2003 |
| 24.14 | 4h15 | Mintenko | World Championships | Barcelona, ESP | 20 Jul 2003 |
| 24.15 | 3sf2 | Mintenko | Commonwealth Games | Manchester, GBR | 31 Jul 2002 |
| 24.15 | 4 | Mintenko | Commonwealth Games | Manchester, GBR | 1 Aug 2002 |
| 24.23 | 1 | Mintenko | CAN Nationals/WCTs | Edmonton, Ab | 15 Mar 2001 |
| 24.40 | 2 | Mintenko | CAN Spring Nationals | Etobicoke, On | 11 Mar 2000 |
| 24.65 | | Stephen Clarke | | | 1996 |
| 25.56 cwr | 1h + | Dan Thompson | CAN Nationals | Edmonton, Ab | 12 Aug 1979 |
| 25.74 cwr | 2+ | Thompson | World Championships | West Berlin, FRG | 26 Aug 1978 |
| 25.9 | 1+ | Thompson | CAN Nationals/CGTS-WCTs | Regina, Sk | Jul 1978 |
| 27.75 cwb | 2+ | Bruce Robertson | Olympic Games | Munich, FRG | 31 Aug 1972 |

Men's 100 metre Butterfly

| | | | | | |
|-------|------|-------------------------|--------------------------|---------------------|-------------|
| 51.83 | 5sf1 | Santo Condorelli | Olympic Games | Rio de Janeiro, BRA | 11 Aug 2016 |
| 51.98 | 1fA | Condorelli | Arena Pro Swim Series | Indianapolis, In | 3 Jun 2016 |
| 52.28 | 1 | Joe Bartoch | CAN Olympic Trials | Montreal, Qc | 1 Apr 2008 |
| 52.44 | 1 | Michael 'Mike' Mintenko | US Open | Minneapolis, Mn | 6 Dec 2002 |
| 52.58 | =5 | Mintenko | Olympic Games | Sydney, AUS | 22 Sep 2000 |
| 52.88 | 1sf | Mintenko | CAN Nationals | Winnipeg, Mb | 4 Aug 2000 |
| 52.88 | 1 | Mintenko | CAN Nationals | Winnipeg, Mb | 4 Aug 2000 |
| 53.10 | h | Mintenko | Janet Evans Invitational | Los Angeles, Ca | 16 Jul 2000 |

| | | | | | |
|-----------|-----|----------------------|----------------------|-----------------|----------------|
| 53.33 | 7 | Stephen Clarke | Olympic Games | Atlanta, Ga | 24 Jul 1996 |
| 53.41 | 1h6 | Clarke | Olympic Games | Atlanta, Ga | 24 Jul 1996 |
| 53.73 | | Marcel Gery | World Cup | Gothenburg, SWE | 14 Feb 1990 |
| 53.77 | 1 | Thomas 'Tom' Ponting | CAN Olympic Trials | Montreal, Qc | 29 May 1988 |
| 54.34 cwr | 1 | Ponting | CAN Olympic Trials | Etobicoke, On | 17 Jun 1984 |
| 54.51 cwr | 1 | Dan Thompson | CAN Nationals | Montreal, Qc | 30 Jul 1983 |
| 54.71 cwr | 1 | Thompson | Commonwealth Games | Brisbane, AUS | 5 Oct 1982 |
| 54.89 cwr | 1 | Thompson | CAN Nationals | Edmonton, Ab | 12 Aug 1979 |
| 54.89 cwr | 1 | Thompson | CAN Summer Nationals | Montreal, Qc | 16 Jul 1981 |
| 55.03 cwr | 1h | Thompson | CAN Nationals | Edmonton, Ab | 12 Aug 1979 |
| 55.04 cwr | 1 | Thompson | Commonwealth Games | Edmonton, Ab | 8 Aug 1978 |
| 55.56 cwr | 2 | Bruce Robertson | Olympic Games | Munich, FRG | 31 Aug 1972 |
| 55.56 cwr | 1 | Robertson | Western Canada Games | Regina, Sk | 10-17 Aug 1975 |
| 56.45 cwr | 1h2 | Robertson | Olympic Games | Munich, FRG | 30 Aug 1972 |

Men's 200 metre Butterfly

| | | | | | |
|-------------|-----|----------------------|---------------------------|-------------------|----------------|
| 1:56.27 | 5fA | Mackenzie Darragh | Pan Pacific Championships | Tokyo, JPN | 10 Aug 2018 |
| 1:56.87 | 1 | Darragh | CAN Nationals | Montreal, Qc | 7 Aug 2017 |
| 1:56.90 | 2 | Zack Chetrat | Pan American Games | Toronto, On | 14 Jul 2015 |
| 1:57.01 | 1h3 | Stefan Hirniak | Commonwealth Games | Delhi, IND | 4 Oct 2010 |
| 1:57.31 | 3h2 | Hirniak | Pan Pacific Championships | Irvine, Ca | 18 Aug 2010 |
| 1:57.43 | 1h5 | Hirniak | World Championships | Rome, ITA | 28 Jul 2009 |
| 1:57.45 | 8h4 | Adam Sioui | Olympic Games | Beijing, CHN | 11 Aug 2008 |
| 1:57.98 | 1 | Sioui | CAN Olympic Trials | Montreal, Qc | 3 Apr 2008 |
| 1:58.08 | 1sf | Shamek Pietucha | CAN Olympic Trials | Montreal, Qc | 31 May 2000 |
| 1:58.14 | 1 | Thomas 'Tom' Ponting | CAN Olympic Trials | Montreal, Qc | 31 May 1988 |
| 1:58.54 | 2 | Ponting | Commonwealth Games | Edinburgh, GBR | 29 Jul 1986 |
| 1:58.69 | 1 | Ponting | USS Invitational | Austin, Tx | 8 Dec 1985 |
| 1:58.72 cwr | 1 | Ponting | CAN Olympic Trials | Etobicoke, On | 20 Jun 1984 |
| 2:00.78 | 1 | Peter Ward | FRG vs URS vs CAN | Heidelberg, FRG | 30 Jul 1981 |
| 2:00.83 | 1 | Ward | CAN Summer Nationals | Montreal, Qc | 13 Jul 1981 |
| 2:00.88 cwr | h | George Nagy | US Spring Nationals | Austin, Tx | 9 Apr 1980 |
| 2:01.62 | 3h2 | Nagy | World Championships | West Berlin, FRG | 23 Aug 1978 |
| 2:01.99 | 1 | Nagy | Commonwealth Games | Edmonton, Ab | 6 Aug 1978 |
| 2:02.38 | 1h | Nagy | Commonwealth Games | Edmonton, Ab | 6 Aug 1978 |
| 2:03.33 | 3 | Nagy | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 2:04.10 | 1h | Nagy | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 2:04.99 | 1h | Bruce Rogers | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 2:07.32 | 1 | Rogers | CAN Nationals | Ottawa, On | Aug 1974 |
| 2:07.76 | 1h | Rogers | CAN Nationals | Ottawa, On | Aug 1974 |
| 2:08.20 | 4 | Lome Kemmett | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 2:09.04 | 5h3 | Ronald Jacks | Olympic Games | Munich, FRG | 28 Aug 1972 |

Men's 200 metre Individual Medley

| | | | | | |
|-------------|------|-------------------------|-----------------------------|------------------|----------------|
| 1:59.19 | 4h5 | Keith Beavers | Olympic Games | Beijing, CHN | 13 Aug 2008 |
| 1:59.45 | 3h10 | Brian Johns | World Championships | Melbourne, AUS | 28 Mar 2007 |
| 2:00.38 cwr | 1 | Curtis Myden | Goodwill Games | East Meadow, NY | 31 Jul 1998 |
| 2:01.13 cwr | 3 | Myden | Olympic Games | Atlanta, Ga | 25 Jul 1996 |
| 2:01.24 cwr | 1 | Myden | CAN Nationals/PPTs | Winnipeg, Mb | 30 Jul 1995 |
| 2:01.42 wr | 1 | Alex Baumann | Olympic Games | Los Angeles, Ca | 4 Aug 1984 |
| 2:01.42 wr | 1 | Baumann | CAN Winter Nationals | Montreal, Qc | 4 Mar 1986 |
| 2:02.25 wr | 1 | Baumann | Commonwealth Games | Brisbane, AUS | 4 Oct 1982 |
| 2:02.78 wr | 1 | Baumann | FRG vs URS vs CAN | Heidelberg, FRG | 29 Jul 1981 |
| 2:03.65 wr | 1 | Graham Smith | World Championships | West Berlin, FRG | 24 Aug 1978 |
| 2:05.25 cwr | 1 | Smith | Commonwealth Games | Edmonton, Ab | 7 Aug 1978 |
| 2:05.31 wr | 1 | Smith | CAN Nationals | Montreal, Qc | 4 Aug 1977 |
| 2:08.37 | =1 | Smith | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 2:08.37 | =1 | William 'Bill' Sawchuk | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 2:10.65# | 1fB | Jim Adams [BRA] | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 2:11.21 | 1 | Stephen 'Steve' Pickell | CAN Spring Nationals/WCTs | Winnipeg, Mb | 18 May 1975 |
| 2:11.33 | | Pickell | | | 1975 |
| 2:11.53# | 1 | Adams [BRA] | CAN Nationals | Ottawa, On | Aug 1974 |

Men's 400 metre Individual Medley

| | | | | | |
|-------------|-----|--------------|---------------------------|-------------------|-------------|
| 4:11.41 | 2h3 | Brian Johns | Olympic Games | Beijing, CHN | 9 Aug 2008 |
| 4:15.33 cwr | 3 | Curtis Myden | Olympic Games | Sydney, AUS | 17 Sep 2000 |
| 4:15.52 cwr | 1 | Myden | Pan American Games | Winnipeg, Mb | 3 Aug 1999 |
| 4:16.28 cwr | 3 | Myden | Olympic Games | Atlanta, Ga | 21 Jul 1996 |
| 4:16.90 cwr | 1 | Myden | CAN Nationals/PPTs | Winnipeg, Mb | 27 Jul 1995 |
| 4:17.41 wr | 1 | Alex Baumann | Olympic Games | Los Angeles, Ca | 30 Jul 1984 |
| 4:17.53 wr | 1h | Baumann | CAN Olympic Trials | Etobicoke, On | 17 Jun 1984 |
| 4:19.80 cwr | 1 | Baumann | World University Games | Edmonton, Ab | 3 Jul 1983 |
| 4:22.39 cwr | 1 | Baumann | FRG vs URS vs CAN | Heidelberg, FRG | 28 Jul 1981 |
| 4:22.90 cwr | 1 | Baumann | CAN vs FRG Duel Meet | Etobicoke, On | 22 Jul 1980 |
| 4:25.25 cwr | 1 | Baumann | "CAN Olympic Trials" | Etobicoke, On | 18 Jul 1980 |
| 4:27.23 cwr | 2 | Baumann | US Spring Nationals | Austin, Tx | 11 Apr 1980 |
| 4:27.34 cwr | 1 | Graham Smith | Commonwealth Games | Edmonton, Ab | 5 Aug 1978 |
| 4:28.64 cwr | 5 | Smith | Olympic Games | Montreal, Qc | 25 Jul 1976 |
| 4:30.96 cwr | 1 | Smith | CAN Olympic Trials | Etobicoke, On | 5 Jun 1976 |
| 4:34.15 | 1h | Smith | CAN Olympic Trials | Etobicoke, On | 5 Jun 1976 |
| 4:35.70 cwr | 1 | Jim Fowlie | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |
| 4:37.65 | 1 | Fowlie | CAN Nationals | Ottawa, On | Aug 1974 |
| 4:39.14 | 1h | Fowlie | CAN Nationals | Ottawa, On | Aug 1974 |
| 4:44.01 | 1h1 | Paul Hughes | Commonwealth Games | Christchurch, NZL | Jan 1974 |

NATIONAL RELAY RECORDS

Men's 4x50 metre Freestyle Relay

| | | | | | |
|----------|---|-------------------------|-----------------------------|-----------------|---------------|
| 1:30.65? | ? | Simon Fraser Aquatics | LA Invitational Meet | Los Angeles, Ca | 17 Jul 2014 |
| 1:31.54 | 1 | Club Aquatique Montreal | Eastern Canadian Open | Montreal, Qc | 20 Feb 2016 |
| 1:31.86 | 1 | UBC Dolphins | CAN Spring Nationals | Toronto, On | 15 Mar 2009 |
| 1:32.14 | | CAN National team | Coupe des Trois-Nations | Quebec City, Qc | 1 Aug 2008 |
| 1:32.61 | 1 | Pacific Dolphins SA | CAN Spring Nationals | Victoria, BC | 17 Mar 1999 |
| 1:33.97 | | St.-Foy Select | | | Jan 1987 |
| 1:36.20 | 1 | Vancouver CDSC 'A' | CAN Nationals | Montreal, Qc | 5 Aug 1977 |
| 1:36.63 | 1 | Vancouver CDSC | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 1:37.38 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 1:37.64 | 1 | Vancouver CDSC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |

Men's 4x100 metre Freestyle Relay

| | | | | | |
|-------------|-----|-------------------|---------------------------|-------------------|-------------|
| 3:12.26 | 6 | CAN National team | Olympic Games | Beijing, CHN | 11 Aug 2008 |
| 3:13.68 | 4h1 | CAN National team | Olympic Games | Beijing, CHN | 10 Aug 2008 |
| 3:15.74 | 3 | CAN National team | Commonwealth Games | Melbourne, AUS | 16 Mar 2006 |
| 3:16.44 | 2 | CAN National team | World Championships | Montreal, Qc | 24 Jul 2005 |
| 3:16.83 | 7 | CAN National team | World Championships | Barcelona, ESP | 20 Jul 2003 |
| 3:17.69 | 3 | CAN National team | Pan Pacific Championships | Yokohama, JPN | 24 Aug 2002 |
| 3:19.39 | 3 | CAN National team | Commonwealth Games | Manchester, GBR | 30 Jul 2002 |
| 3:20.73 | 3 | CAN National team | Pan Pacific Championships | Sydney, AUS | 22 Aug 1999 |
| 3:21.27 | 2 | CAN National team | Commonwealth Games | Kuala Lumpur, MAS | 15 Sep 1998 |
| 3:21.74 | 2 | CAN National team | Pan Pacific Championships | Brisbane, AUS | 15 Aug 1987 |
| 3:22.98 | 2 | CAN National team | Commonwealth Games | Edinburgh, GBR | 28 Jul 1986 |
| 3:24.49 | 2 | CAN National team | Pan Pacific Championships | Tokyo, JPN | 17 Aug 1985 |
| 3:24.70 | 7 | CAN National team | Olympic Games | Los Angeles, Ca | 2 Aug 1984 |
| 3:25.94 | 5h3 | CAN National team | Olympic Games | Los Angeles, Ca | 2 Aug 1984 |
| 3:26.38 | 3 | CAN National team | World University Games | Edmonton, Ab | 5 Jul 1983 |
| 3:27.14 cwr | 4 | CAN National team | World Championships | West Berlin, FRG | 22 Aug 1978 |
| 3:27.94 cwr | 1 | CAN National team | Commonwealth Games | Edmonton, Ab | 4 Aug 1978 |
| 3:28.36 cwr | 1 | CAN National team | CAN vs URS Duel | Etobicoke, On | 20 Apr 1978 |
| 3:33.20 cwr | 5 | CAN National team | Olympic Games | Munich, FRG | 28 Aug 1972 |
| 3:35.64 | 3h2 | CAN National team | Olympic Games | Munich, FRG | 28 Aug 1972 |

Men's 4x200 metre Freestyle Relay

| | | | | | |
|---------|-----|-------------------|---------------------|--------------|-------------|
| 7:05.77 | 5 | CAN National team | Olympic Games | Beijing, CHN | 13 Aug 2008 |
| 7:08.04 | 3h1 | CAN National team | Olympic Games | Beijing, CHN | 12 Aug 2008 |
| 7:09.73 | 2 | CAN National team | World Championships | Montreal, Qc | 29 Jul 2005 |

| | | | | | |
|-------------|-----|--------------------|----------------------|-------------------|----------------|
| 7:13.33 | 5 | CAN National team | Olympic Games | Athens, GRE | 17 Aug 2004 |
| 7:17.17 | 2 | CAN National team | Commonwealth Games | Manchester, GBR | 1 Aug 2002 |
| 7:17.80 | 6 | CAN National team | World Championships | Fukuoka, JPN | 27 Jul 2001 |
| 7:21.45 | 3h1 | CAN National team | Olympic Games | Sydney, AUS | 19 Sep 2000 |
| 7:22.74 | 7 | CAN National team | World Championships | Perth, AUS | 8 Jan 1991 |
| 7:24.91 | 8 | CAN National team | Olympic Games | Seoul, KOR | 21 Sep 1988 |
| 7:26.29 | 4h2 | CAN National team | Olympic Games | Seoul, KOR | 21 Sep 1988 |
| 7:26.51 | 5 | CAN National team | Olympic Games | Los Angeles, Ca | 30 Jul 1984 |
| 7:28.31 | 3h2 | CAN National team | Olympic Games | Los Angeles, Ca | 30 Jul 1984 |
| 7:30.18 cwr | 2 | CAN National team | CAN vs FRG Duel Meet | Etobicoke, On | 23 Jul 1980 |
| 7:34.08 | 1 | CAN National team | CAN vs FRG Duel Meet | St. John's, NL | 13-14 Apr 1979 |
| 7:36.58 | 2 | CAN National team | Commonwealth Games | Edmonton, Ab | 7 Aug 1978 |
| 7:45.66@ | 1 | Vancouver CDSC 'A' | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 7:46.47 | 2 | Thunder Bay 'A' | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 7:46.72 | | Vancouver CDSC | | | > Olym 1976 |
| 7:53.21 | 6 | CAN National team | World Championships | Cali, COL | 25 Jul 1975 |
| 7:53.38 | 3 | CAN National team | Commonwealth Games | Christchurch, NZL | 30 Jan 1974 |
| 7:53.61 | 7 | CAN National team | Olympic Games | Munich, FRG | 31 Aug 1972 |
| 7:57.69 | 2h1 | CAN National team | Olympic Games | Munich, FRG | 31 Aug 1972 |

Men's 4x50 metre Medley Relay

| | | | | | |
|---------|---|------------------------|---------------------------|---------------|----------------|
| 1:41.03 | 1 | Univ of Calgary SC | CAN Summer Nationals | Etobicoke, On | 5 Aug 1998 |
| 1:42.63 | 4 | CAN National team | Pan Pacific Championships | Tokyo, JPN | 17 Aug 1989 |
| 1:45.04 | 1 | Etobicoke SC 'A' | CAN Nationals | Edmonton, Ab | 9 Aug 1979 |
| 1:46.18 | 1 | Olympium Etobicoke 'A' | CAN Nationals | Montreal, Qc | 2 Aug 1977 |
| 1:48.71 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 1:50.46 | 1 | Vancouver CDSC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |

Men's 4x100 metre Medley Relay

| | | | | | |
|-------------|--------|-------------------|---------------------------|-----------------|-------------|
| 3:31.02 | 3h5 | CAN National team | World Championships | Rome, ITA | 2 Aug 2009 |
| 3:34.99 | 1tt | CAN National team | CAN Olympic Trials | Montreal, Qc | 6 Apr 2008 |
| 3:37.94 | 7 | CAN National team | World Championships | Barcelona, ESP | 27 Jul 2003 |
| 3:38.17 | 3 | CAN National team | Pan Pacific Championships | Yokohama, JPN | 29 Aug 2002 |
| 3:38.91 | 3 | CAN National team | Commonwealth Games | Manchester, GBR | 4 Aug 2002 |
| 3:39.28 cwr | 2 | CAN National team | Olympic Games | Seoul, KOR | 25 Sep 1988 |
| 3:42.14 cwr | 2 | CAN National team | Pan Pacific Championships | Brisbane, AUS | 16 Aug 1987 |
| 3:43.23 cwr | 2 | CAN National team | Olympic Games | Los Angeles, Ca | 4 Aug 1984 |
| 3:45.94 cwr | 2 | CAN National team | Olympic Games | Montreal, Qc | 22 Jul 1976 |
| 3:52.26 cwr | 3 | CAN National team | Olympic Games | Munich, FRG | 4 Sep 1972 |
| 3:57.05 | 2h1 | CAN National team | Olympic Games | Munich, FRG | 4 Sep 1972 |
| 4:01.10 | 1 | CAN National team | Commonwealth Games | Edinburgh, GBR | 24 Jul 1970 |
| 3:44. | dq (1) | CAN National team | Commonwealth Games | Brisbane, AUS | 6 Oct 1982 |

Women's 50 metre Freestyle

| | | | | | |
|-----------|------|----------------------|---------------------------|-----------------|-------------|
| 24.26 | 2= | Taylor Ruck | Commonwealth Games | Gold Coast, AUS | 7 Apr 2018 |
| 24.39 | 5 | Chantal Vanlandeghem | World Championships | Kazan, RUS | 9 Aug 2015 |
| 24.52 | 4sf1 | Vanlandeghem | World Championships | Kazan, RUS | 8 Aug 2015 |
| 24.69 | 3fA | Vanlandeghem | Pan Pacific Championships | Gold Coast, AUS | 24 Aug 2014 |
| 24.75 | 7sf1 | Victoria Poon | World Championships | Rome, ITA | 1 Aug 2009 |
| 25.06 | 1 | Poon | CAN Nationals/WCTs | Montreal, Qc | 11 Jul 2009 |
| 25.12 | 1h | Poon | CAN Nationals/WCTs | Montreal, Qc | 11 Jul 2009 |
| 25.35 | 1 | Poon | Grand Prix-Coupe Canada | Montreal, Qc | 20 Jun 2009 |
| 25.42 | 2 | Poon | Charlotte Ultra Swim | Charlotte, NC | 16 May 2009 |
| 25.47 | 1 | Poon | CAN Olympic Trials | Montreal, Qc | 6 Apr 2008 |
| 25.52 | 2fA | Poon | US Nationals | Irvine, Ca | 7 Aug 2005 |
| 25.60 | 1 | Laura Nicholls | CAN Olympic Trials | Etobicoke, On | 9 Jul 2004 |
| 25.78 | 5 | Nicholls | Pan Pacific Championships | Yokohama, JPN | 27 Aug 2002 |
| 25.85 | 3sf2 | Laura Pomeroy | Commonwealth Games | Manchester, GBR | 2 Aug 2002 |
| 25.86 | 1 | Nicholls | CAN Nationals/PPTs | Victoria, BC | 19 Mar 1999 |
| 25.90 | 5 | Shannon Shakespeare | Pan Pacific Championships | Atlanta, Ga | 13 Aug 1995 |
| 26.01 cwr | 1 | Andrea Nugent | CAN Winter Nationals | Winnipeg, Mb | 2 Feb 1987 |
| 26.01 | 1 | Kristin Topham | Pan American Games | Havana, CUB | 18 Aug 1991 |

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|-------------|-----|----------------|----------------------|----------------|----------------|
| 26.25 | 1 | Carol Klimpel | "CAN Olympic Trials" | Etobicoke, On | 15 Jul 1980 |
| 26.35 cwr | 3 | Anne Jardin | US Spring Nationals | Austin, Tx | 10 Apr 1980 |
| 26.53 (nr?) | 1so | Jardin | US Spring Nationals | Austin, Tx | 10 Apr 1980 |
| 26.74 wr | 1 | Jardin | CAN Summer Nationals | Etobicoke, On | 19 Aug 1978 |
| 26.74 (nr?) | h | Jardin | US Spring Nationals | Austin, Tx | 10 Apr 1980 |
| 26.95 wr | 1 | Johanna Malloy | Canada Summer Games | St. John's, NL | 16 Aug 1977 |
| 27.02 | 1 | Jardin | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 27.12 | 1h | Jardin | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 27.33 | 1 | Becky Smith | Western Canada Games | Regina, Sk | 10-17 Aug 1975 |
| 27.40 | | Barbara Clark | | | 1975 |

Women's 100 metre Freestyle

| | | | | | |
|-------|------|----------------------|---------------------------|---------------------|-------------|
| 52.70 | =1 | Penelope Oleksiak | Olympic Games | Rio de Janeiro, BRA | 11 Aug 2016 |
| 52.72 | 2sf2 | Oleksiak | Olympic Games | Rio de Janeiro, BRA | 10 Aug 2016 |
| 53.31 | 1fA | Oleksiak | CAN Olympic Trials | Toronto, On | 9 Apr 2016 |
| 53.83 | 1 | Chantal Vanlandeghem | Pan American Games | Toronto, On | 14 Jul 2015 |
| 54.08 | 2sf1 | Erica Morningstar | World Championships | Melbourne, AUS | 29 Mar 2007 |
| 54.30 | 2h16 | Morningstar | World Championships | Melbourne, AUS | 29 Mar 2007 |
| 55.36 | 5fA | Morningstar | Pan Pacific Championships | Victoria, BC | 18 Aug 2006 |
| 55.40 | =4 | Morningstar | Commonwealth Games | Melbourne, AUS | 18 Mar 2006 |
| 55.57 | 1 | Morningstar | CAN C/wealth Games Trials | Victoria, BC | 24 Nov 2005 |
| 55.69 | | Laura Nicholls | Quebec Cup | Montreal, Qc | 30 Jun 2001 |
| 55.87 | 1Rh1 | Marianne Limpert | Olympic Games | Sydney, AUS | 16 Sep 2000 |
| 55.94 | 4 | Nicholls | Pan Pacific Championships | Sydney, AUS | 27 Aug 1999 |
| 56.05 | Rh3 | Shannon Shakespeare | Olympic Games | Atlanta, Ga | 22 Jul 1996 |
| 56.29 | R | Limpert | World University Games | Buffalo, NY | 14 Jul 1993 |
| 56.53 | | Andrea Nugent | | Montreal, Qc | 13 May 1992 |

| | | | | | |
|-------------|-----|---------------|---------------------------|-------------------|-------------|
| 56.60 cwr | R | Carol Klimpel | FRG vs URS vs CAN | Heidelberg, FRG | 29 Jul 1981 |
| 56.75 cwr | 2 | Anne Jardin | US Spring Nationals | Austin, Tx | 9 Apr 1980 |
| 57.17 cwr | 1R | Gail Amundrud | CAN vs URS Duel | Etobicoke, On | 20 Apr 1978 |
| 57.43 cwr | 1 | Amundrud | CAN vs URS Duel | Etobicoke, On | Apr 1978 |
| 57.48 cwr | 1 | Jardin | CAN Olympic Trials | Etobicoke, On | 1 Jun 1976 |
| 58.12 | 1h3 | Jardin | CAN Olympic Trials | Etobicoke, On | 1 Jun 1976 |
| 58.15 (nr?) | ?h | Amundrud | CAN Olympic Trials | Etobicoke, On | 1 Jun 1976 |
| 58.25 (nr?) | ?h | Debbie Clarke | CAN Olympic Trials | Etobicoke, On | 1 Jun 1976 |
| 58.63 | 1R | Amundrud | Pan American Games | Mexico City, MEX | 23 Oct 1975 |
| 58.66 | 1 | Jardin | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |
| 58.75 | | Amundrud | | | 1974 |
| 58.87 | 1R | Amundrud | Commonwealth Games | Christchurch, NZL | 26 Jan 1974 |
| 59.36 (nr?) | 2 | Amundrud | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 59.88 | R | Amundrud | World Championships | Belgrade, YUG | 8 Sep 1973 |

Women's 200 metre Freestyle

| | | | | | |
|-------------|------|------------------|---------------------------------|-------------------|-------------|
| 1:54.44 | 1fA | Taylor Ruck | Pan Pacific Championships | Tokyo, JPN | 9 Aug 2018 |
| 1:54.81 cwr | 1 | Ruck | Commonwealth Games | Gold Coast, AUS | 5 Apr 2018 |
| 1:56.94 | 1fA | Brittany MacLean | CAN Olympic Trials | Toronto, On | 7 Apr 2016 |
| 1:56.97 | 5R | Genevieve Saumur | World Championships | Rome, ITA | 30 Jul 2009 |
| 1:57.20 | 1 | Heather MacLean | CAN Nationals/WCTs | Montreal, Qc | 8 Jul 2009 |
| 1:58.00 | 2Rh1 | Stephanie Horner | Olympic Games | Beijing, CHN | 13 Aug 2008 |
| 1:58.35 | 5h4 | Horner | Olympic Games | Beijing, CHN | 11 Aug 2008 |
| 1:58.73 | 1 | Julia Wilkinson | CAN Olympic Trials | Montreal, Qc | 3 Apr 2008 |
| 1:59.38 | 1Rh1 | Sophie Simard | World Championships | Montreal, Qc | 28 Jul 2005 |
| 1:59.85 | 5R | Marianne Limpert | Olympic Games | Sydney, AUS | 20 Sep 2000 |
| 2:00.21 | 1R | Jessica Deglau | Pan American Games | Winnipeg, Mb | 2 Aug 1999 |
| 2:00.61 | 1? | Patricia Noall | CAN Nationals | | Aug 1988 |
| 2:01.08 | | Jane Kerr | | | 1985 |
| 2:01.20 | 1 | Wendy Quirk | CAN vs FRG Duel Meet | Etobicoke, On | 22 Jul 1980 |
| 2:02.03 | 1 | Quirk | "CAN Olympic Trials" | Etobicoke, On | 17 Jul 1980 |
| 2:02.35 | 3 | Quirk | US Spring Nationals | Austin, Tx | 11 Apr 1980 |
| 2:02.48 cwr | 1 | Gail Amundrud | AAU Nationals | Mission Viejo, Ca | 19 Aug 1977 |
| 2:02.63 cwr | 1 | Amundrud | CAN Olympic Trials | Etobicoke, On | 6 Jun 1976 |
| 2:03.42 cwr | 2 | Shannon Smith | Canadian Dolphin SC Spring Meet | Vancouver, BC | 14 Mar 1976 |
| 2:04.63 | 1 | Amundrud | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 2:06.26 | 1h | Amundrud | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |

| | | | | | |
|---------|-----|-------------|-----------------------------|---------------------|-------------|
| 2:06.59 | 4 | Wendy Quirk | New Zealand Games | Christchurch, NZL | 2? Jan 1975 |
| 2:06.71 | 1 | Amundrud | Pointe Claire International | Pointe Claire, Qc | ?Jan 1975 |
| 2:06.75 | 1 | Anne Jardin | CAN Nationals | Ottawa, On | Aug 1974 |
| 2:07.03 | 3 | Amundrud | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 2:07.36 | 2h2 | Amundrud | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 2:08.74 | 1 | Quirk | CAN C/wealth Games Trials | New Westminster, BC | Dec 1973 |

Women's 400 metre Freestyle

| | | | | | |
|---------------|-----|------------------|---------------------------------|---------------------|-------------|
| 4:03.43 | 3h3 | Brittany MacLean | Olympic Games | Rio de Janeiro, BRA | 7 Aug 2016 |
| 4:03.84 | 1fA | MacLean | CAN Olympic Trials | Toronto, On | 5 Apr 2016 |
| 4:05.06 | 2h4 | MacLean | Olympic Games | London, GBR | 29 Jul 2012 |
| 4:06.08 | 1 | MacLean | CAN Olympic Trials | Montreal, Qc | 27 Mar 2012 |
| 4:07.32 | 4 | Brittany Reimer | World Championships | Montreal, Qc | 24 Jul 2005 |
| 4:09.34 | 5 | Reimer | World Championships | Barcelona, ESP | 20 Jul 2003 |
| 4:11.55 | 2h4 | Reimer | World Championships | Barcelona, ESP | 20 Jul 2003 |
| 4:12.00 | 1 | Reimer | CAN Nationals/WCTs | Victoria, BC | 26 Jun 2003 |
| 4:12.64 | 3 | Joanne Malar | Pan American Games | Winnipeg, Mb | 4 Aug 1999 |
| 4:12.83 | 1 | Julie Daigneault | CAN Nationals | Montreal, Qc | 29 Jul 1983 |
| 4:14.60 cwr | 3 | Shannon Smith | Olympic Games | Montreal, Qc | 20 Jul 1976 |
| 4:16.70 | 2h4 | Smith | Olympic Games | Montreal, Qc | 20 Jul 1976 |
| 4:19.03 | 1h | Smith | AAU Nationals | Long Beach, Ca | Apr 1976 |
| 4:19.06 | 1 | Smith | Canadian Dolphin SC Spring Meet | Vancouver, BC | 15 Mar 1976 |
| 4:20.11 | 3 | Wendy Quirk | New Zealand Games | Christchurch, NZL | 2? Jan 1975 |
| 4:22.96 | 2 | Quirk | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 4:25.50 (nr?) | 1h3 | Quirk | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 4:27.89 | 1 | Quirk | CAN C/wealth Games Trials | New Westminster, BC | Dec 1973 |

Women's 800 metre Freestyle

| | | | | | |
|---------|-----|-------------------|---------------------------------|---------------------|----------------|
| 8:20.02 | 3fA | Brittany MacLean | Pan Pacific Championships | Gold Coast, AUS | 21 Aug 2014 |
| 8:20.91 | 3 | MacLean | Commonwealth Games | Glasgow, GBR | 28 Jul 2014 |
| 8:24.91 | 1 | MacLean | CAN Nationals/CGTs | Victoria, BC | 5 Apr 2014 |
| 8:27.59 | 2 | Brittany Reimer | World Championships | Montreal, Qc | 30 Jul 2005 |
| 8:28.73 | 4 | Reimer | World Championships | Barcelona, ESP | 26 Jul 2003 |
| 8:35.76 | 2h3 | Reimer | World Championships | Barcelona, ESP | 25 Jul 2003 |
| 8:36.24 | 3h3 | Debbie Wurzburger | Olympic Games | Seoul, KOR | 23 Sep 1988 |
| 8:39.19 | | Wurzburger | | | Mar 1985 |
| 8:41.10 | 1fA | Julie Daigneault | CAN Nationals | Montreal, Qc | 30 Jul 1983 |
| 8:45.47 | 1 | Daigneault | CAN Nationals/WCTs | Etobicoke, On | 4 Jul 1982 |
| 8:46.39 | 1 | Shannon Smith | AAU Spring Nationals | Long Beach, Ca | Apr 1976 |
| 8:57.29 | 1+ | Smith | Canadian Dolphin SC Spring Meet | Vancouver, BC | 13-14 Mar 1976 |
| 9:01.14 | 1 | Smith | Western Canada Games | Regina, Sk | 10-17 Aug 1975 |
| 9:01.23 | 4 | Wendy Quirk | New Zealand Games | Christchurch, NZL | 26 Jan 1975 |
| 9:05.29 | 5 | Quirk | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 9:10.32 | 2h1 | Quirk | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 9:17.11 | 1 | Quirk | CAN C/wealth Games Trials | New Westminster, BC | Dec 1973 |

Women's 1500 metre Freestyle

| | | | | | |
|----------|-----|------------------|-----------------------------------|------------------|----------------|
| 15:57.15 | 3 | Brittany MacLean | Pan Pacific Championships | Gold Coast, AUS | 24 Aug 2014 |
| 16:07.73 | 3 | Brittany Reimer | World Championships | Montreal, Qc | 26 Jul 2005 |
| 16:15.98 | 6 | Reimer | World Championships | Barcelona, ESP | 22 Jul 2003 |
| 16:16.21 | 2h3 | Reimer | World Championships | Barcelona, ESP | 21 Jul 2003 |
| 16:24.39 | 1 | Reimer | CAN Nationals/WCTs | Victoria, BC | 27 Jun 2003 |
| 16:33.28 | 5 | Reimer | US Spring Nationals | Indianapolis, In | 5 Apr 2003 |
| 16:37.54 | | Reimer | Australian Youth Olympic Festival | Sydney, AUS | 9 Jan 2003 |
| 16:39.45 | | Shyanne Shannon | | | ?8 Jan 1990 |
| 16:40.60 | | Elissa Purvis | | | Jul 1986 |
| 16:43.98 | 1 | Shannon Smith | Santa Clara International | Santa Clara, Ca | 8-10 Jul 1977 |
| 16:47.10 | 1 | Smith | Canadian Dolphin SC Spring Meet | Vancouver, BC | 13-14 Mar 1976 |
| 17:26.14 | 4 | Wendy Quirk | AAU Nationals | Concord, Ca | 25 Aug 1974 |
| 17:30.98 | | Liz McKinnon | | | 1974 |

Women's 50 metre Backstroke

| | | | | | |
|-------------|------|---------------------|------------------------------------|-----------------|-------------|
| 27.64 | 6sf2 | Kylie Masse | World Championships | Budapest, HUN | 26 Jul 2017 |
| 27.67 | 1h5 | Masse | Trofeo Sette Colli | Rome, ITA | 24 Jun 2016 |
| 27.84 | 1 | Masse | Championnat Canadien Universitaire | Quebec City, Qc | 26 Feb 2016 |
| 27.97 | 3 | Brooklynn Snodgrass | Commonwealth Games | Glasgow, GBR | 29 Jul 2014 |
| 28.09 | =6 | Julia Wilkinson | World Championships | Shanghai, CHN | 28 Jul 2011 |
| 28.10 | 2sf1 | Wilkinson | World Championships | Shanghai, CHN | 27 Jul 2011 |
| 28.13 | 1 | Wilkinson | CAN Nationals/WCTs | Victoria, BC | 30 Mar 2011 |
| 28.47 | 3h2 | Wilkinson | Pan Pacific Championships | Irvine, Ca | 19 Aug 2010 |
| 28.53 | 1h | Wilkinson | CAN Summer Nationals | Winnipeg, Mb | 18 Jul 2008 |
| 28.63 | 1 | Wilkinson | Mel Zajac Jr. International Meet | Vancouver, BC | 24 May 2008 |
| 28.65 cwr | 4 | Jennifer Carroll | World Championships | Barcelona, ESP | 24 Jul 2003 |
| 28.90 | 1 | Carroll | CAN Nationals/WCTs | Victoria, BC | 28 Jun 2003 |
| 28.94 | 1 | Carroll | CAN Nationals/CGTs | Winnipeg, Mb | 23 Mar 2002 |
| 28.98 | 1sf | Carroll | CAN Nationals/CGTs | Winnipeg, Mb | 22 Mar 2002 |
| 29.11 | 1 | Carroll | CAN Nationals/WCTs | Edmonton, Ab | 14 Mar 2001 |
| 30.14 (nr?) | 1h | Michelle Lischinsky | CAN Spring Nationals | Etobicoke, On | 10 Mar 2000 |
| 30.46 cwr | 2+ | Wendy Hogg (Cook) | Olympic Games | Montreal, Qc | 21 Jul 1976 |
| 30.72 cwr | 1+ | Hogg | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 31.16 | + | Nancy Garapick | World Championships | Cali, COL | 23 Jul 1975 |

Women's 100 metre Backstroke

| | | | | | |
|---------------|------|------------------------|---------------------------|---------------------|-------------|
| 58.10 wr/CWR | 1 | Kylie Masse | World Championships | Budapest, HUN | 25 Jul 2017 |
| 58.18 | 1sf2 | Masse | World Championships | Budapest, HUN | 24 Jul 2017 |
| 58.21 | 1fA | Masse | CAN Nationals/WCTs | Victoria, BC | 6 Apr 2017 |
| 58.42 | 1h4 | Masse | CAN Nationals/WCTs | Victoria, BC | 6 Apr 2017 |
| 58.66 | 1Rh1 | Masse | Olympic Games | Rio de Janeiro, BRA | 12 Aug 2016 |
| 58.76 | =3 | Masse | Olympic Games | Rio de Janeiro, BRA | 8 Aug 2016 |
| 59.06 | 1fA | Masse | CAN Olympic Trials | Toronto, On | 6 Apr 2016 |
| 59.06 | 4sf2 | Masse | Olympic Games | Rio de Janeiro, BRA | 7 Aug 2016 |
| 59.17 | 1h6 | Masse | CAN Olympic Trials | Toronto, On | 6 Apr 2016 |
| 59.68 | 3sf1 | Sinead Russell | World Championships | Shanghai, CHN | 25 Jul 2011 |
| 59.80 | 1h7 | Russell | World Championships | Shanghai, CHN | 25 Jul 2011 |
| 1:00.21 | 1 | Katelyn 'Katy' Murdoch | British Tri-Nations | London, GBR | 1 Aug 2009 |
| 1:00.37 | 7R | Julia Wilkinson | World Championships | Rome, ITA | 1 Aug 2009 |
| 1:00.38 | 1h4 | Wilkinson | Olympic Games | Beijing, CHN | 10 Aug 2008 |
| 1:00.59 | 1 | Wilkinson | CAN Summer Nationals | Winnipeg, Mb | 17 Jul 2008 |
| 1:01.41 | 1 | Wilkinson | CAN Olympic Trials | Montreal, Qc | 2 Apr 2008 |
| 1:01.76 | 1h | Wilkinson | CAN Olympic Trials | Montreal, Qc | 2 Apr 2008 |
| 1:01.93 | 1 | Erin Gammel | CAN Nationals/WCTs | Montreal, Qc | 11 May 2005 |
| 1:02.03 | 2 | Gammel | US Spring Nationals | Indianapolis, In | 3 Apr 2003 |
| 1:02.14 | 1 | Kelly Stefanyshyn | Pan American Games | Winnipeg, Mb | 4 Aug 1999 |
| 1:02.57 | 1? | Stefanyshyn | CAN Summer Nationals | Etobicoke, On | ?5 Aug 1998 |
| 1:02.75 | 4R | Julie Howard | Pan Pacific Championships | Atlanta, Ga | 13 Aug 1995 |
| 1:03.16 | | Howard | | | 1995 |
| 1:03.28 cwr | 1h2 | Nancy Garapick | Olympic Games | Montreal, Qc | 20 Jul 1976 |
| 1:04.17 cwr | 3R | Wendy Hogg (Cook) | Olympic Games | Montreal, Qc | 18 Jul 1976 |
| 1:04.30 cwr | 1 | Garapick | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 1:04.73 cwr | 3 | Garapick | World Championships | Cali, COL | 23 Jul 1975 |
| 1:04.78 wr | 1R | Cook | Commonwealth Games | Christchurch, NZL | 31 Jan 1974 |
| 1:05.19 cwr | 1h2 | Cook | Commonwealth Games | Christchurch, NZL | 28 Jan 1974 |
| 1:05.84 cwr | | Cook | | | 1973 |
| 1:06.27 cwr | 1h2 | Cook | World Championships | Belgrade, YUG | 5 Sep 1973 |
| 1:06.27 cwr | 3 | Cook | World Championships | Belgrade, YUG | 5 Sep 1973 |
| 1:06.40 (nr?) | | Donna Marie Gurr | | Winnipeg, Mb | Aug 1972 |
| 1:06.7-h cwr | 2 | Elaine Tanner | Olympic Games | Mexico City, MEX | 23 Oct 1968 |
| 1:07.07 wr | 1R? | Tanner | Pan American Games | Winnipeg, Mb | 30 Jul 1967 |
| 1:07.3-h wr | 1 | Tanner | Pan American Games | Winnipeg, Mb | 27 Jul 1967 |

Women's 200 metre Backstroke

| | | | | | |
|---------|------|-----------------|------------------------|----------------|-------------|
| 2:05.94 | 1 | Kylie Masse | CAN World Champ Trials | Toronto, On | 5 Apr 2019 |
| 2:05.97 | 2sf2 | Masse | World Championships | Budapest, HUN | 28 Jul 2017 |
| 2:06.80 | 3 | Hilary Caldwell | World Championships | Barcelona, ESP | 3 Aug 2013 |
| 2:07.15 | 2sf2 | Caldwell | World Championships | Barcelona, ESP | 2 Aug 2013 |
| 2:07.81 | 2h2 | Caldwell | World Championships | Barcelona, ESP | 2 Aug 2013 |

| | | | | | |
|---------|------|-------------------|------------------------|---------------|-------------|
| 2:08.04 | 1 | Sinead Russell | CAN Olympic Trials | Montreal, Qc | 1 Apr 2012 |
| 2:08.80 | 4sf1 | Russell | World Championships | Shanghai, CHN | 29 Jul 2011 |
| 2:08.89 | 1 | Russell | CAN Nationals/WCTs | Victoria, BC | 2 Apr 2011 |
| 2:10.03 | 5h7 | Lauren Lavigna | World Championships | Rome, ITA | 31 Jul 2009 |
| 2:11.16 | 4 | Jennifer Fratesi | World Championships | Fukuoka, JPN | 25 Jul 2001 |
| 2:11.65 | sf2 | Fratesi | World Championships | Fukuoka, JPN | 24 Jul 2001 |
| 2:12.42 | 1 | Fratesi | Youth Olympic Festival | Sydney, AUS | 11 Jan 2001 |
| 2:13.17 | 1h | Fratesi | Youth Olympic Festival | Sydney, AUS | 11 Jan 2001 |
| 2:13.24 | 3 | Kelly Stefanyshyn | Pan American Games | Winnipeg, Mb | 7 Aug 1999 |
| 2:14.17 | 1? | Stefanyshyn | CAN Summer Nationals | Etobicoke, On | ?5 Aug 1998 |

| | | | | | |
|---------------|-----|------------------|-----------------------|-------------------|-------------|
| 2:14.23 cwr | 3 | Cheryl Gibson | World Championships | West Berlin, FRG | 24 Aug 1978 |
| 2:15.60 cwr | 3 | Nancy Garapick | Olympic Games | Montreal, Qc | 25 Jul 1976 |
| 2:16.09 cwr | 2 | Garapick | World Championships | Cali, COL | 25 Jul 1975 |
| 2:16.33 wr | 1 | Garapick | Eastern Championships | Brantford, On | 27 Apr 1975 |
| 2:18.24 (nr?) | 1 | Wendy Cook | New Zealand Games | Christchurch, NZL | ?7 Jan 1975 |
| 2:18.69 cwr | 1 | Cook | CAN Nationals | Ottawa, On | Aug 1974 |
| 2:20.31 cwr | 1h2 | Cook | Commonwealth Games | Christchurch, NZL | 31 Jan 1974 |
| 2:22.50 (nr?) | | Donna Marie Gurr | | Winnipeg, Mb | Aug 1972 |
| 2:24.44 wr | 1 | Elaine Tanner | Pan American Games | Winnipeg, Mb | 26 Jul 1967 |

Women's 50 metre Breaststroke

| | | | | | |
|-----------|-----|----------------|---------------------------|----------------|-------------|
| 30.23 wr | 1 | Amanda Reason | CAN Nationals/WCTs | Montreal, Qc | 8 Jul 2009 |
| 31.24 | 1 | Reason | Sr. Provincials & AGI | Etobicoke, On | 6 Jun 2009 |
| 31.25 | 1sf | Reason | World Youth Championships | Monterrey, MEX | 8 Jul 2008 |
| 31.57 | 1 | Annamay Pierse | Dutch Open Swim Cup | Eindhoven, NED | 8 Dec 2007 |
| 31.73 | 1sf | Rhiannon Leier | Canada Cup | Calgary, Ab | 7 Mar 2003 |
| 32.09 | 1 | Leier | CAN Nationals | Winnipeg, Mb | 9 Aug 2000 |
| 32.18 cwr | 3+ | Allison Higson | Olympic Games | Seoul, KOR | 23 Sep 1988 |
| 33.92 | + | Ottenbrite | World Championships | Guayaquil, ECU | 5 Aug 1982 |
| 34.4 | 1+ | Judy Garay | CAN Nationals | Montreal, Qc | 5 Aug 1977 |
| 35.7 | 1+ | Marian Stuart | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |

Women's 100 metre Breaststroke

| | | | | | |
|-------------|----|-------------------|----------------------------------|---------------------|----------------|
| 1:05.74 | 1 | Annamay Pierse | CAN Nationals/WCTs | Montreal, Qc | 9 Jul 2009 |
| 1:06.77 | 1h | Pierse | CAN Nationals/WCTs | Montreal, Qc | 9 Jul 2009 |
| 1:07.31 | 1 | Pierse | Grand Prix-Coupe Canada | Montreal, Qc | 21 Jun 2009 |
| 1:07.32 | 1 | Pierse | Mel Zajac Jr. International Meet | Vancouver, BC | 22 May 2009 |
| 1:07.78 | 1h | Pierse | Pan American Games | Rio de Janeiro, BRA | 17 Jul 2007 |
| 1:08.14 | 1 | Rhiannon Leier | CAN Olympic Trials | Etobicoke, On | 7 Jul 2004 |
| 1:08.66 | 3 | Lauren van Oosten | World Championships | Perth, AUS | 13 Jan 1998 |
| 1:08.86 cwr | 4 | Allison Higson | Olympic Games | Seoul, KOR | 23 Sep 1988 |
| 1:08.88 cwr | 1 | Higson | CAN Olympic Trials | Montreal, Qc | 1 Jun 1988 |
| 1:09.64 cwr | 4 | Higson | World Championships | Madrid, ESP | 21 Aug 1986 |
| 1:10.24 cwr | 2 | Cindy Ounpuu | USS Invitational | Austin, Tx | 6 Dec 1985 |
| 1:10.25 cwr | 1 | Ounpuu | Pan Pacific Championships | Tokyo, JPN | 16 Aug 1985 |
| 1:10.63 cwr | 1 | Anne Ottenbrite | Pan American Games | Caracas, VEN | 20 Aug 1983 |
| 1:10.96 cwr | 1 | Ottenbrite | CAN Nationals | Montreal, Qc | 28 Jul 1983 |
| 1:10.99 cwr | 1 | Ottenbrite | CAN Summer Nationals/CGTs | Edmonton, Ab | 26 Aug 1982 |
| 1:11.03 cwr | =2 | Ottenbrite | World Championships | Guayaquil, ECU | 5 Aug 1982 |
| 1:11.36 | h | Ottenbrite | World Championships | Guayaquil, ECU | 5 Aug 1982 |
| 1:11.87 | 1 | Ottenbrite | CAN Nationals/WCTs | Etobicoke, On | 3 Jul 1982 |
| 1:12.11 | 1h | Ottenbrite | CAN Nationals/WCTs | Etobicoke, On | 3 Jul 1982 |
| 1:12.35 cwr | 1 | Robin Corsiglia | AAU Nationals | Mission Viejo, Ca | 22 Aug 1977 |
| 1:13.39 | 1 | Corsiglia | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 1:13.92 cwr | 1 | Corsiglia | CAN Olympic Trials | Etobicoke, On | 5 Jun 1976 |
| 1:14.56 cwr | 1h | Corsiglia | CAN Olympic Trials | Etobicoke, On | 5 Jun 1976 |
| 1:14.70 cwr | 1 | Joann Baker | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 1:14.98 | 1 | Marian Stuart | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |
| 1:16.18 | | Stuart | | | 1973 |

Women's 200 metre Breaststroke

| | | | | | |
|----------------|------|----------------|---------------------|--------------|-------------|
| 2:20.12 wr/CWR | 1sf2 | Annamay Pierse | World Championships | Rome, ITA | 30 Jul 2009 |
| 2:20.71 | 1 | Pierse | CAN Nationals/WCTs | Montreal, Qc | 10 Jul 2009 |

| | | | | | |
|---------------|------|-----------------|---------------------------------|---------------------|----------------|
| 2:23.77 | 6 | Pierse | Olympic Games | Beijing, CHN | 15 Aug 2008 |
| 2:23.94 | 3sf2 | Pierse | Olympic Games | Beijing, CHN | 14 Aug 2008 |
| 2:24.65 | 1 | Pierse | CAN Olympic Trials | Montreal, Qc | 6 Apr 2008 |
| 2:25.22 | 1 | Pierse | Dutch Open Swim Cup | Eindhoven, NED | 6 Dec 2007 |
| 2:25.73 | 3 | Pierse | World University Games | Bangkok, THA | 11 Aug 2007 |
| 2:26.79 | 2 | Pierse | Pan American Games | Rio de Janeiro, BRA | 22 Jul 2007 |
| 2:27.27 wr | 1 | Allison Higson | CAN Olympic Trials | Montreal, Qc | 29 May 1988 |
| 2:29.80 cwr | 1 | Cindy Ounpuu | CAN Winter Nationals | Montreal, Qc | 28 Feb 1986 |
| 2:30.38 cwr | 1 | Anne Ottenbrite | Olympic Games | Los Angeles, Ca | 30 Jul 1984 |
| 2:30.55 cwr | 1 | Ottenbrite | CAN Nationals | Montreal, Qc | 30 Jul 1983 |
| 2:32.07 cwr | 1 | Ottenbrite | Commonwealth Games | Brisbane, AUS | 2 Oct 1982 |
| 2:33.05 cwr | 3 | Ottenbrite | World Championships | Guayaquil, ECU | 2 Aug 1982 |
| 2:33.19 cwr | h | Ottenbrite | World Championships | Guayaquil, ECU | 2 Aug 1982 |
| 2:33.23 cwr | 1 | Ottenbrite | CAN Nationals/WCTs | Etobicoke, On | 1 Jul 1982 |
| 2:34.27 cwr | 1h | Ottenbrite | CAN Nationals/WCTs | Etobicoke, On | 1 Jul 1982 |
| 2:35.21 cwr | 1 | Sheila Dezeeuw | FINA Cup | Tokyo, JPN | 1 Sep 1979 |
| 2:35.75 | 1 | Anne Gagnon | Pan American Games | San Juan, PUR | 1-15 Jul 1979 |
| 2:36.74 cwr | 1 | Joann Baker | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 2:37.17 cwr | 1h | Baker | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 2:40.97 cwr | 1 | Baker | Canadian Dolphin SC Spring Meet | Vancouver, BC | 13-14 Mar 1976 |
| 2:41.02 cwr | 1 | Baker | CAN Spring Nationals/WCTs | Winnipeg, Mb | 19 May 1975 |
| 2:43.02 | 2 | Marian Stuart | Santa Clara International | Santa Clara, Ca | Jun 1974 |
| 2:44.79 | 2h1 | Stuart | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 2:46.88 (nr?) | | Stuart | | | 1973 |

Women's 50 metre Butterfly

| | | | | | |
|-------------|------|-------------------|---------------------------------|-----------------|----------------|
| 25.62 | 5 | Penelope Oleksiak | World Championships | Budapest, HUN | 29 Jul 2017 |
| 25.66 | 3sf1 | Oleksiak | World Championships | Budapest, HUN | 28 Jul 2017 |
| 25.76 | 2 | Oleksiak | Mare Nostrum | Barcelona, ESP | 14 Jun 2017 |
| 25.92 | 1h | Katerine Savard | 41e Coupe du Quebec | Quebec City, Qc | 25 Jun 2016 |
| 25.92 | 1 | Savard | Championnat Provincial AAA | Montreal, Qc | 9 Jul 2016 |
| 25.93 | 3 | Oleksiak | Mare Nostrum | Canet, FRA | 9 Jun 2016 |
| 25.97 | 2 | Oleksiak | Arena Pro Swim Series | Charlotte, NC | 14 May 2016 |
| 26.03 | 1h | Oleksiak | Arena Pro Swim Series | Charlotte, NC | 14 May 2016 |
| 26.05 | 2 | Savard | World University Games | Kazan, RUS | 11 Jul 2013 |
| 26.35 | 1 | Noemie Thomas | CAN Nationals/WCTs | Victoria, BC | 3 Apr 2013 |
| 26.49 | 1 | Savard | Coupe Canada/Coupe Quebec | Montreal, Qc | 2 Jul 2011 |
| 26.71 | 1 | Victoria Poon | Grand Prix-Coupe Canada | Montreal, Qc | 19 Jun 2009 |
| 27.17 | 1 | Shona Kitson | CAN Summer Nationals | Winnipeg, Mb | 4 Aug 2000 |
| 27.34 (nr?) | 1sf? | Kitson | CAN Summer Nationals | Winnipeg, Mb | 4 Aug 2000 |
| 27.87 (nr?) | 1h? | Kitson | CAN Summer Nationals | Winnipeg, Mb | 4 Aug 2000 |
| 27.93 (nr?) | 1fA | Kitson | CAN Spring Nationals | Etobicoke, On | 9 Mar 2000 |
| 28.06 | 3 | Sarah Evanetz | World Championships | Perth, AUS | 6 Jan 1991 |
| 29.14 | 1+ | Wendy Quirk | Commonwealth Games | Edmonton, Ab | 6 Aug 1978 |
| 29.42 | 4+ | Quirk | Olympic Games | Montreal, Qc | 22 Jul 1976 |
| 31.20 | 1+ | Susan Sloan | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 31.35 | 1+ | Anne Boivin | Canadian Dolphin SC Spring Meet | Vancouver, BC | 13-14 Mar 1976 |

Women's 100 metre Butterfly

| | | | | | |
|-----------|------|-------------------|----------------------------|---------------------|-------------|
| 55.83 CWR | 1 | Margaret MacNeil | World Championships | Gwangju, KOR | 22 Jul 2019 |
| 56.46 | 2 | Penelope Oleksiak | Olympic Games | Rio de Janeiro, BRA | 7 Aug 2016 |
| 56.73 | 2h6 | Oleksiak | Olympic Games | Rio de Janeiro, BRA | 6 Aug 2016 |
| 56.99 | 1fA | Oleksiak | CAN Olympic Trials | Toronto, On | 5 Apr 2016 |
| 57.27 | 1 | Katerine Savard | CAN Nationals/CGTs | Victoria, BC | 4 Apr 2014 |
| 57.31 | 3h6 | Savard | World Championships | Barcelona, ESP | 28 Jul 2013 |
| 57.40 | 1 | Savard | Fran Crippen Memorial Meet | Mission Viejo, Ca | 9 Jun 2013 |
| 57.80 | 1 | Savard | Canada Cup | Etobicoke, On | 27 Nov 2011 |
| 57.97 | 1 | Savard | CAN Nationals/WCTs | Victoria, BC | 1 Apr 2011 |
| 58.52 | 1h | Savard | CAN Nationals/WCTs | Victoria, BC | 1 Apr 2011 |
| 58.67 | 1h8 | Audrey Lacroix | World Championships | Rome, ITA | 26 Jul 2009 |
| 58.70 | 1h | Kendra Chernoff | CAN Nationals/WCTs | Montreal, Qc | 10 Jul 2009 |
| 58.89 | 3 | Lacroix | Commonwealth Games | Melbourne, AUS | 19 Mar 2006 |
| 59.21 | 2sf1 | Lacroix | Commonwealth Games | Melbourne, AUS | 18 Mar 2006 |
| 59.67 | 2h3 | Lacroix | Commonwealth Games | Melbourne, AUS | 18 Mar 2006 |

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|---------------|------|-----------------|---------------------------------|-------------------|-------------|
| 59.68 | 4 | Jennifer Button | Pan Pacific Championships | Yokohama, JPN | 25 Aug 2002 |
| 59.76 | 2sf1 | Button | Pan Pacific Championships | Yokohama, JPN | 24 Aug 2002 |
| 1:00.19 | 2sf2 | Button | Commonwealth Games | Manchester, GBR | 1 Aug 2002 |
| 1:00.24 | 3 | Jessica Amey | Pan Pacific Championships | Atlanta, Ga | 12 Aug 1995 |
| 1:01.18 (nr?) | | Kristin Topham | | | 1991 |
| 1:01.27 cwr | 1 | Wendy Quirk | CAN vs FRG Duel Meet | Etobicoke, On | 22 Jul 1980 |
| 1:01.54 cwr | 3sf2 | Quirk | Olympic Games | Montreal, Qc | 21 Jul 1976 |
| 1:01.93 cwr | 1h4 | Quirk | Olympic Games | Montreal, Qc | 21 Jul 1976 |
| 1:02.41 cwr | 1 | Susan Sloan | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 1:02.68 cwr | 1h | Sloan | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 1:03.65 cwr | 1h | Helene Boivin | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 1:03.88 cwr | 1 | Barbara Clark | Canadian Dolphin Spring Invit'l | Vancouver, BC | ?3 Mar 1975 |
| 1:04.05 cwr | 1 | Quirk | New Zealand Games | Christchurch, NZL | 2? Jan 1975 |
| 1:04.69 | 1 | Quirk | CAN Nationals | Ottawa, On | Aug 1974 |
| 1:04.91 | 1h | Quirk | CAN Nationals | Ottawa, On | Aug 1974 |
| 1:05.06 | 1h2 | Quirk | Commonwealth Games | Christchurch, NZL | Jan 1974 |

Women's 200 metre Butterfly

| | | | | | |
|-------------|-----|--------------------|---------------------------------|-------------------|----------------|
| 2:05.95 | 7 | Audrey Lacroix | World Championships | Rome, ITA | 30 Jul 2009 |
| 2:06.67 | 3h5 | Lacroix | World Championships | Rome, ITA | 29 Jul 2009 |
| 2:06.83 | 1 | Lacroix | World University Games | Bangkok, THA | 14 Aug 2007 |
| 2:07.73 | 5 | Lacroix | World Championships | Melbourne, AUS | 29 Mar 2007 |
| 2:08.12 | 1h8 | Lacroix | World Championships | Melbourne, AUS | 28 Mar 2007 |
| 2:09.64 | 1 | Jessica Deglau | Pan American Games | Winnipeg, Mb | 7 Aug 1999 |
| 2:11.26 | 6 | Deglau | World Championships | Perth, AUS | 18 Jan 1998 |
| 2:11.29 | | Deglau | | | ?1 Jan 1998 |
| 2:11.40 | 6 | Deglau | Olympic Games | Atlanta, Ga | 26 Jul 1996 |
| 2:11.40 | | Deglau | | | ?1 Aug 1997 |
| 2:11.48 | 1 | Jill Horstead | CAN Nationals | Montreal, Qc | 31 Jul 1985 |
| 2:11.72 | | Donna McGinnis | | | ?10 Oct 1984 |
| 2:11.72 | | McGinnis | | | ?1 Jan 1985 |
| 2:12.15 | 2 | Wendy Quirk | JPN Nationals | Tokyo, JPN | 28 Aug 1980 |
| 2:12.42 | 2 | Quirk | US Spring Nationals | Austin, Tx | 9 Apr 1980 |
| 2:12.49 | h | Quirk | US Spring Nationals | Austin, Tx | 9 Apr 1980 |
| 2:13.65 | 2 | Quirk | Commonwealth Games | Edmonton, Ab | 8 Aug 1978 |
| 2:13.68 cwr | 5 | Quirk | Olympic Games | Montreal, Qc | 19 Jul 1976 |
| 2:14.30 | 2h4 | Quirk | Olympic Games | Montreal, Qc | 19 Jul 1976 |
| 2:15.37 cwr | 1h | Cheryl Gibson | CAN Olympic Trials | Etobicoke, On | Jun 1976 |
| 2:15.78 cwr | 1 | Quirk | Canadian Dolphin SC Spring Meet | Vancouver, BC | 13-15 Mar 1976 |
| 2:17.07 cwr | 1 | Quirk | New Zealand Games | Christchurch, NZL | 2? Jan 1975 |
| 2:20.52 | 2 | Patti Stenhouse | CAN Nationals | Ottawa, On | Aug 1974 |
| 2:20.66 | 2 | Stenhouse | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 2:22.36 | 2h2 | Stenhouse | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 2:23.64 | 2h1 | France Latendresse | Commonwealth Games | Christchurch, NZL | Jan 1974 |

Women's 200 metre Individual Medley

| | | | | | |
|-------------|-------|-------------------|----------------------------------|------------------|-------------|
| 2:08.61 | 2 | Sydney Pickrem | Champions Swim Series | Indianapolis, In | 1 Jun 2019 |
| 2:08.71 | 1 | Pickrem | CAN Nationals | Toronto, On | 7 Apr 2019 |
| 2:09.07 | 2fA | Pickrem | Pan Pacific Championships | Tokyo, JPN | 11 Aug 2018 |
| 2:09.17 | 1sf1 | Pickrem | World Championships | Budapest, HUN | 23 Jul 2017 |
| 2:09.56 | 1fA | Pickrem | CAN Nationals/WCTs | Victoria, BC | 9 Apr 2017 |
| 2:10.08 | 2sf1 | Pickrem | World Championships | Kazan, RUS | 2 Aug 2015 |
| 2:10.94 | 1h2 | Pickrem | World Championships | Kazan, RUS | 2 Aug 2015 |
| 2:11.16 | 2h3 | Pickrem | Pan American Games | Toronto, On | 18 Jul 2015 |
| 2:11.23 | 1 | Erica Morningstar | CAN Nationals/WCTs | Victoria, BC | 2 Apr 2011 |
| 2:11.32 | 4fA | Julia Wilkinson | Pan Pacific Championships | Irvine, Ca | 21 Aug 2010 |
| 2:12.03 | =2sf2 | Wilkinson | Olympic Games | Beijing, CHN | 12 Aug 2008 |
| 2:12.56 | 5h3 | Wilkinson | Olympic Games | Beijing, CHN | 11 Aug 2008 |
| 2:13.43 | 1 | Morningstar | Mel Zajac Jr. International Meet | Vancouver, BC | 24 May 2008 |
| 2:13.44 cwr | 4 | Marianne Limpert | Olympic Games | Sydney, AUS | 19 Sep 2000 |
| 2:13.59 cwr | 2sf1 | Joanne Malar | Olympic Games | Sydney, AUS | 18 Sep 2000 |
| 2:13.63 cwr | 1 | Malar | Pan Pacific Championships | Sydney, AUS | 24 Aug 1999 |
| 2:13.95 cwr | 1sf | Malar | Pan Pacific Championships | Sydney, AUS | 23 Aug 1999 |
| 2:14.18 cwr | 1 | Malar | Pan American Games | Winnipeg, Mb | 6 Aug 1999 |

| | | | | | |
|---------------|-----|---------------------|---------------------------------|-------------------|----------------|
| 2:14.35 cwr | 2 | Limpert | Olympic Games | Atlanta, Ga | 24 Jul 1996 |
| 2:15.12 | 1h4 | Limpert | Olympic Games | Atlanta, Ga | 24 Jul 1996 |
| 2:15.15 | 1 | Limpert | CAN Olympic Trials | Montreal, Qc | 1 May 1992 |
| 2:15.61 cwr | 1 | Nancy Sweetnam | Commonwealth Games | Auckland, NZL | 29 Jan 1990 |
| 2:16.89 | 1 | Allison Higson | CAN Olympic Trials | Montreal, Qc | 31 May 1988 |
| 2:17.51 | 1 | Michelle MacPherson | CAN Olympic Trials | Etobicoke, On | 20 Jun 1984 |
| 2:18.00 | 1 | MacPherson | CAN Nationals | Montreal, Qc | 29 Jul 1983 |
| 2:18.51 cwr | 1 | Becky Smith | CAN Nationals | Montreal, Qc | 4 Aug 1977 |
| 2:20.64 cwr | 1 | Smith | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 2:22.07 cwr | 1 | Smith | CAN Spring Nationals/WCTs | Winnipeg, Mb | 18 May 1975 |
| 2:23.18 | 1 | Smith | Canadian Dolphin Spring Invit'l | Vancouver, BC | ?3 Mar 1975 |
| 2:23.23 | 1 | Smith | New Zealand Games | Christchurch, NZL | ?2? Jan 1975 |
| 2:23.63 | 1 | Smith | CAN Nationals | Ottawa, On | Aug 1974 |
| 2:24.13 | 1 | Leslie Cliff | Commonwealth Games | Christchurch, NZL | Jan 1974 |
| 2:24.83 | 5 | Cliff | Olympic Games | Munich, FRG | 28 Aug 1972 |
| 2:25.59 (nr?) | 2h2 | Cliff | Olympic Games | Munich, FRG | 28 Aug 1972 |

Women's 400 metre Individual Medley

| | | | | | |
|---------------|-----|----------------|---------------------------------|-------------------|----------------|
| 4:32.52 | 3 | Emily Overholt | World Championships | Kazan, RUS | 9 Aug 2015 |
| 4:35.84 | 2h5 | Tanya Hunks | World Championships | Rome, ITA | 2 Aug 2009 |
| 4:38.46 cwr | 1 | Joanne Malar | Pan American Games | Winnipeg, Mb | 2 Aug 1999 |
| 4:41.20 cwr | 1 | Malar | CAN Nationals/PPTs | Victoria, BC | 20 Mar 1999 |
| 4:43.39 | 1 | Malar | CAN Olympic Trials | Montreal, Qc | 30 Mar 1996 |
| 4:43.64 | | Malar | CAN Nationals/PPTs | Winnipeg, Mb | ?1 Mar 1995 |
| 4:44.79 (nr?) | 4 | Malar | World Championships | Rome, ITA | 5 Sep 1994 |
| 4:45.58 | 1 | Nancy Sweetnam | CAN Olympic Trials | Montreal, Qc | 13 May 1992 |
| 4:47.62 | 6 | Sweetnam | World Championships | Perth, AUS | 7 Jan 1991 |
| 4:48.10 cwr | 2 | Cheryl Gibson | Olympic Games | Montreal, Qc | 24 Jul 1976 |
| 4:52.70 cwr | 1 | Becky Smith | CAN Olympic Trials | Etobicoke, On | 4 Jun 1976 |
| 4:56.35 cwr | 1h | Smith | CAN Olympic Trials | Etobicoke, On | 4 Jun 1976 |
| 4:57.20 cwr | 1 | Gibson | AAU Nationals | Long Beach, Ca | Apr 1976 |
| 4:58.66 cwr | 1 | Gibson | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |
| 5:00.55 cwr | 1 | Smith | Canadian Dolphin Spring Invit'l | Vancouver, BC | ?3 Mar 1975 |
| 5:01.04 cwr | 1 | Smith | Coca Cola International | London, GBR | 29/30 Mar 1975 |
| 5:01.35 | 1 | Leslie Cliff | Commonwealth Games | Christchurch, NZL | 1 Feb 1974 |
| 5:03.57 | 2 | Cliff | Olympic Games | Munich, FRG | 31 Aug 1972 |
| 5:08.64 (nr?) | 1h5 | Cliff | Olympic Games | Munich, FRG | 31 Aug 1972 |

NATIONAL RELAY RECORDS

Women's 4x50 metre Freestyle Relay

| | | | | | |
|---------|---|-------------------------|-------------------------------|-----------------|-------------|
| 1:40.46 | 1 | CAN National team | Eastern Canadian Open | Montreal, Qc | 20 Feb 2016 |
| 1:42.74 | | Club Aquatique Montreal | Invitation Provinciale AA-AAA | Montreal, Qc | 11 Dec 2015 |
| 1:43.21 | | CAN National team | Nations Cup | Victoria, BC | 6 Aug 2010 |
| 1:43.76 | | CAN National team | Coupe des Trois-Nations | Quebec City, Qc | 2 Aug 2008 |
| 1:45.09 | 1 | EPS | CAN Summer Nationals | Victoria, BC | 2 Aug 1989 |
| 1:45.85 | 1 | CAN National team | | ???, CAN | 12 Aug 1983 |
| 1:47.03 | 1 | Ontario Team | Canada Summer Games | Thunder Bay, On | Aug 1981 |
| 1:48.54 | 1 | Pointe Claire SC 'A' | CAN Nationals | Montreal, Qc | 5 Aug 1977 |
| 1:49.11 | | Pointe Claire SC | | | > Olym 1976 |
| 1:50.05 | 1 | Pointe Claire SC | | | 1975 |
| 1:50.12 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 1:54.93 | 1 | Thunder Bay T 'A' | CAN Nationals | Ottawa, On | Aug 1974 |

Women's 4x100 metre Freestyle Relay

| | | | | | |
|---------|-----|-------------------|---------------------------|---------------------|-------------|
| 3:31.78 | 3 | CAN National team | World Championships | Gwangju, KOR | 21 Jul 2019 |
| 3:32.89 | 3 | CAN National team | Olympic Games | Rio de Janeiro, BRA | 6 Aug 2016 |
| 3:33.84 | 3h2 | CAN National team | Olympic Games | Rio de Janeiro, BRA | 6 Aug 2016 |
| 3:36.44 | 5 | CAN National team | World Championships | Kazan, RUS | 2 Aug 2015 |
| 3:36.80 | 1 | CAN National team | Pan American Games | Toronto, On | 14 Jul 2015 |
| 3:37.09 | 5 | CAN National team | World Championships | Barcelona, ESP | 28 Jul 2013 |
| 3:38.03 | 1h1 | CAN National team | World Championships | Barcelona, ESP | 28 Jul 2013 |
| 3:38.14 | 3 | CAN National team | Pan Pacific Championships | Irvine, Ca | 20 Aug 2010 |

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|-------------------------------------|--------|------------------------|---------------------------|---------------------|----------------|
| 3:38.22 | 5h3 | CAN National team | World Championships | Rome, ITA | 26 Jul 2009 |
| 3:38.32 | 8 | CAN National team | Olympic Games | Beijing, CHN | 10 Aug 2008 |
| 3:38.82 | 4h2 | CAN National team | Olympic Games | Beijing, CHN | 9 Aug 2008 |
| 3:41.83 | 2 | CAN National team | Pan Pacific Championships | Victoria, BC | 19 Aug 2006 |
| 3:42.84 | 3 | CAN National team | Commonwealth Games | Melbourne, AUS | 20 Mar 2006 |
| 3:42.92 | 7 | CAN National team | Olympic Games | Sydney, AUS | 16 Sep 2000 |
| 3:43.82 | 3h1 | CAN National team | Olympic Games | Sydney, AUS | 16 Sep 2000 |
| 3:44.50 | 3 | CAN National team | Pan Pacific Championships | Sydney, AUS | 22 Aug 1999 |
| 3:44.90 | 6 | CAN National team | World Championships | Perth, AUS | 14 Jan 1998 |
| 3:45.66 | 3h3 | CAN National team | Olympic Games | Atlanta, Ga | 22 Jul 1996 |
| 3:45.89 | 6 | CAN National team | World Championships | Rome, ITA | 7 Sep 1994 |
| 3:46.75 | 6 | CAN National team | Olympic Games | Seoul, KOR | 22 Sep 1988 |
| 3:47.86 cwr | 1 | CAN National team | CAN vs FRG Duel Meet | Etobicoke, On | 23 Jul 1980 |
| 3:48.81 cwr | 3 | CAN National team | Olympic Games | Montreal, Qc | 25 Jul 1976 |
| 3:49.69 cwr | 2h2 | CAN National team | Olympic Games | Montreal, Qc | 25 Jul 1976 |
| 3:53.37 cwr | 3 | CAN National team | World Championships | Cali, COL | 26 Jul 1975 |
| 3:54.48 cwr | 1h2 | CAN National team | World Championships | Cali, COL | 26 Jul 1975 |
| 3:57.14 cwr | 1 | CAN National team | Commonwealth Games | Christchurch, NZL | 26 Jan 1974 |
| 4:00.20 cwr | 4 | CAN National team | World Championships | Belgrade, YUG | 8 Sep 1973 |
| 4:01.44 cwr | 1h2 | CAN National team | World Championships | Belgrade, YUG | 8 Sep 1973 |
| 4:03.83 cwr | 7 | CAN National team | Olympic Games | Munich, FRG | 30 Aug 1972 |
| Women's 4x200 metre Freestyle Relay | | | | | |
| 7:44.35 | 3 | CAN National team | World Championships | Gwangju, KOR | 25 Jul 2019 |
| 7:45.39 | 3 | CAN National team | Olympic Games | Rio de Janeiro, BRA | 10 Aug 2016 |
| 7:49.14 | 8 | CAN National team | World Championships | Rome, ITA | 30 Jul 2009 |
| 7:50.29 | 1h3 | CAN National team | World Championships | Rome, ITA | 30 Jul 2009 |
| 7:56.26 | 4h1 | CAN National team | Olympic Games | Beijing, CHN | 13 Aug 2008 |
| 8:02.24 | 3 | CAN National team | Commonwealth Games | Melbourne, AUS | 18 Mar 2006 |
| 8:02.65 | 5 | CAN National team | Olympic Games | Sydney, AUS | 20 Sep 2000 |
| 8:05.56 | 1 | CAN National team | Pan American Games | Winnipeg, Mb | 2 Aug 1999 |
| 8:05.59 | 4 | CAN National team | World Championships | Perth, AUS | 17 Jan 1998 |
| 8:07.79 | 3 | CAN National team | Pan Pacific Championships | Atlanta, Ga | 11 Aug 1995 |
| 8:11.52 (nr?) | 5 | CAN National team | World Championships | Rome, ITA | 5 Sep 1994 |
| 8:14.97 (nr?) | 3 | CAN National team | Commonwealth Games | Victoria, BC | 19 Aug 1994 |
| 8:15.35 (nr?) | 5 | CAN National team | World Championships | Perth, AUS | 7 Jan 1991 |
| 8:16.29 | 3 | CAN National team | Pan Pacific Championships | Tokyo, JPN | 18 Aug 1989 |
| 8:16.82 | 3 | CAN National team | Pan Pacific Championships | Brisbane, AUS | 14 Aug 1987 |
| 8:21.41 | 1 | Ontario Team | Canada Summer Games | Thunder Bay, On | Aug 1981 |
| 8:24.86 | 1 | Edmonton Keyano SC 'A' | "CAN Olympic Trials" | Etobicoke, On | 19 Jul 1980 |
| 8:26.00 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 8:36.05 | 2 | CAN National team | New Zealand Games | Christchurch, NZL | 24 Jan 1975 |
| 8:07.82 | dq (1) | CAN National team | Commonwealth Games | Auckland, NZL | 25 Jan 1990 |
| Women's 4x50 metre Medley Relay | | | | | |
| 1:53.30 | 1 | CAN National team | CAN Summer Nationals | Winnipeg, Mb | 20 Jul 2008 |
| 1:55.16 | 4 | CAN National team | Pan Pacific Championships | Tokyo, JPN | 17 Aug 1989 |
| 1:57.93 | 1 | CAN National team | | ???, CAN | 12 Aug 1983 |
| 1:59.16 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| Women's 4x100 metre Medley Relay | | | | | |
| 3:53.58 | 3 | CAN National team | World Championships | Gwangju, KOR | 28 Jul 2019 |
| 3:54.86 | 4 | CAN National team | World Championships | Budapest, HUN | 30 Jul 2017 |
| 3:55.49 | 5 | CAN National team | Olympic Games | Rio de Janeiro, BRA | 13 Aug 2016 |
| 3:56.80 | 1h1 | CAN National team | Olympic Games | Rio de Janeiro, BRA | 12 Aug 2016 |
| 3:57.87 | 6 | CAN National team | World Championships | Rome, ITA | 1 Aug 2009 |
| 3:58.23 | 2h4 | CAN National team | World Championships | Rome, ITA | 1 Aug 2009 |
| 4:01.35 | 7 | CAN National team | Olympic Games | Beijing, CHN | 17 Aug 2008 |
| 4:02.13 | 5h2 | CAN National team | Olympic Games | Beijing, CHN | 15 Aug 2008 |
| 4:05.59 | 4 | CAN National team | Pan Pacific Championships | Victoria, BC | 20 Aug 2006 |

| | | | | | |
|-------------|-----|----------------------|---------------------------|-------------------|-------------|
| 4:05.69 | 3 | CAN National team | Pan Pacific Championships | Yokohama, JPN | 29 Aug 2002 |
| 4:07.25 | 4 | CAN National team | Commonwealth Games | Manchester, GBR | 4 Aug 2002 |
| 4:07.55 | 6 | CAN National team | Olympic Games | Sydney, AUS | 23 Sep 2000 |
| 4:08.29 | 5 | CAN National team | Olympic Games | Atlanta, Ga | 24 Jul 1996 |
| 4:09.26 | 6 | CAN National team | Olympic Games | Barcelona, ESP | 30 Jul 1992 |
| 4:10.49 cwr | 3 | CAN National team | Olympic Games | Seoul, KOR | 24 Sep 1988 |
| 4:12.98 | 3 | CAN National team | Olympic Games | Los Angeles, Ca | 3 Aug 1984 |
| 4:13.84 | 2 | CAN National team | Pan American Games | Caracas, VEN | 21 Aug 1983 |
| 4:14.33 | 1 | CAN National team | Commonwealth Games | Brisbane, AUS | 5 Oct 1982 |
| 4:14.36 cwr | 2 | CAN National team | CAN vs FRG Duel Meet | Etobicoke, On | 22 Jul 1980 |
| 4:15.22 cwr | 3 | CAN National team | Olympic Games | Montreal, Qc | 18 Jul 1976 |
| 4:20.10 cwr | 1h2 | CAN National team | Olympic Games | Montreal, Qc | 18 Jul 1976 |
| 4:23.77 cwr | 4 | CAN National team | World Championships | Cali, COL | 22 Jul 1975 |
| 4:24.42 cwr | 1 | Pointe Claire SC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 19 May 1975 |
| 4:24.77 cwr | 1 | CAN National team | Commonwealth Games | Christchurch, NZL | 31 Jan 1974 |
| 4:29.60 cwr | 5 | CAN National team | World Championships | Belgrade, YUG | 4 Sep 1973 |
| 4:31.56 | 7 | CAN National team | Olympic Games | Munich, FRG | 3 Sep 1972 |
| 4:31.87 | 4h2 | CAN National team | Olympic Games | Munich, FRG | 3 Sep 1972 |

Mixed 4x50 metre Freestyle Relay

Mixed 4x100 metre Freestyle Relay

| | | | | | |
|---------|-----|-------------------|---------------------|---------------|-------------|
| 3:22.54 | 4 | CAN National team | World Championships | Gwangju, KOR | 27 Jul 2019 |
| 3:23.55 | 3 | CAN National team | World Championships | Budapest, HUN | 29 Jul 2017 |
| 3:25.07 | 2h3 | CAN National team | World Championships | Budapest, HUN | 29 Jul 2017 |

Mixed 4x200 metre Freestyle Relay

Mixed 4x50 metre Medley Relay

Mixed 4x100 metre Medley Relay

| | | | | | |
|---------|-----|-------------------|---------------------|---------------|-------------|
| 3:41.25 | 3 | CAN National team | World Championships | Budapest, HUN | 26 Jul 2017 |
| 3:44.46 | 2h2 | CAN National team | World Championships | Budapest, HUN | 26 Jul 2017 |

CLUB RELAY RECORDS

Men's 4x50 metre Freestyle Relay

| | | | | | |
|----------|---|-------------------------|-----------------------------|-----------------|---------------|
| 1:30.65? | ? | Simon Fraser Aquatics | LA Invitational Meet | Los Angeles, Ca | 17 Jul 2014 |
| 1:31.54 | | Club Aquatique Montreal | Eastern Canadian Open | Montreal, Qc | 20 Feb 2016 |
| 1:31.86 | 1 | UBC Dolphins SC | CAN Spring Nationals | Toronto, On | 15 Mar 2009 |
| 1:32.61 | 1 | Pacific Dolphins SA | CAN Spring Nationals | Victoria, BC | 17 Mar 1999 |
| 1:33.97 | | St.-Foy Select | | | Jan 1987 |
| 1:36.20 | 1 | Vancouver CDSC 'A' | CAN Nationals | Montreal, Qc | 5 Aug 1977 |
| 1:36.63 | 1 | Vancouver CDSC | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 1:37.38 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 1:37.64 | 1 | Vancouver CDSC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |

Men's 4x100 metre Freestyle Relay

| | | | | | |
|---------|---|-------------------------|---------------------------|------------------|----------------|
| 3:19.65 | 1 | UBC Dolphins SC | CAN Summer Nationals | Winnipeg, Mb | 18 Jul 2008 |
| 3:21.31 | 1 | Island Swimming | CAN Nationals/PPTs | Montreal, Qc | 29 Jul 2006 |
| 3:23.36 | | UBC Dolphins SC | | | 2004 |
| 3:23.50 | 1 | UBC Dolphins SC | US Spring Nationals | Indianapolis, In | 3 Apr 2003 |
| 3:23.82 | 1 | North York Aquatic Club | CAN Nationals | | Jul 1987 |
| 3:29.48 | 1 | Etobicoke SC 'A' | "CAN Olympic Trials" | Etobicoke, On | 15 Jul 1980 |
| 3:30.61 | 1 | Etobicoke SC 'A' | CAN Nationals | Edmonton, Ab | 11 Aug 1979 |
| 3:32.98 | 1 | Olympium Etobicoke 'A' | CAN Nationals | Montreal, Qc | 6 Aug 1977 |
| 3:33.42 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 3:35.00 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 18 May 1975 |

| | | | | | |
|-------------------------------------|---|--------------------------------|----------------------------------|------------------|----------------|
| 3:37.48 | 1 | Vancouver CDSC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| Men's 4x200 metre Freestyle Relay | | | | | |
| 7:19.46 | 1 | UBC Dolphins SC | US Spring Nationals | Indianapolis, In | 4 Apr 2003 |
| 7:29.61 | 1 | Univ of Calgary SC | CAN Nationals | | Aug 1988 |
| 7:36.59 | 1 | Vancouver Can. Dolphins SC 'A' | CAN Summer Nationals | Montreal, Qc | 14 Jul 1981 |
| 7:39.48 | 1 | Edmonton Keyano SC 'A' | "CAN Olympic Trials" | Etobicoke, On | 19 Jul 1980 |
| 7:42.87 | 1 | Canadian Dolphin SC 'A' | CAN Nationals | Edmonton, Ab | 10 Aug 1979 |
| 7:45.66@ | 1 | Vancouver CDSC 'A' | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 7:46.47 | 2 | Thunder Bay 'A' | CAN Nationals | Montreal, Qc | 3 Aug 1977 |
| 7:46.72 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 7:53.21 | 6 | Vancouver CDSC/CAN | World Championships | Cali, COL | 25 Jul 1975 |
| 7:55.20 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |
| 7:56.94 | 1 | Vancouver CDSC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| Men's 4x50 metre Medley Relay | | | | | |
| 1:41.03 | 1 | Univ of Calgary SC | CAN Summer Nationals | Etobicoke, On | 5 Aug 1998 |
| 1:41.71 | | Pacific Dolphins SA | | | ?1 Jan 1998 |
| 1:45.04 | 1 | Etobicoke 'A' | CAN Nationals | Edmonton, Ab | 9 Aug 1979 |
| 1:46.18 | 1 | Olympium Etobicoke 'A' | CAN Nationals | Montreal, Qc | 2 Aug 1977 |
| 1:48.71 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 1:50.46 | 1 | Vancouver CDSC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| Men's 4x100 metre Medley Relay | | | | | |
| 3:40.84 | 1 | UBC Dolphins SC | Mel Zajac Jr. International Meet | Vancouver, BC | 24 May 2009 |
| 3:41.14 (nr?) | | Univ of Calgary SC | CAN Summer Nationals | Winnipeg, Mb | 19 Jul 2008 |
| 3:42.44 | 1 | Univ of Calgary SC | CAN Summer Nationals | Etobicoke, On | 4 Aug 1990 |
| 3:49.80 | 1 | Vancouver Can. Dolphins SC 'A' | CAN Summer Nationals | Montreal, Qc | 16 Jul 1981 |
| 3:51.96 | 1 | Vancouver Can. Dolphins SC 'A' | "CAN Olympic Trials" | Etobicoke, On | 17 Jul 1980 |
| 3:54.13 | f | Edmonton Keyano SC | US Spring Nationals | Austin, Tx | 12 Apr 1980 |
| 3:54.39 | 1 | Olympium Etobicoke 'A' | CAN Nationals | Montreal, Qc | 4 Aug 1977 |
| 3:55.69 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 3:56.21 | 1 | Vancouver CDSC 'A' | Western Canada Games | Regina, Sk | 10-17 Aug 1975 |
| 3:57.39 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 19 May 1975 |
| 3:57.73 | 1 | Vancouver CDSC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| Women's 4x50 metre Freestyle Relay | | | | | |
| 1:42.74 | | Club Aquatique Montreal | Invitation Provinciale AA-AAA | Montreal, Qc | 11 Dec 2015 |
| 1:44.89 | | Etobicoke SC | Division 1 Team Champs | Toronto, On | 18 Apr 2009 |
| 1:45.09 | 1 | EPS | CAN Summer Nationals | Victoria, BC | 2 Aug 1989 |
| 1:47.03 | 1 | Ontario Team | Canada Summer Games | Thunder Bay, On | Aug 1981 |
| 1:48.54 | 1 | Pointe Claire SC 'A' | CAN Nationals | Montreal, Qc | 5 Aug 1977 |
| 1:49.11 | 1 | Pointe Claire SC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 1:50.05 | 1 | Pointe Claire SC 'A' | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 1:50.12 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 16 May 1975 |
| 1:54.93 | 1 | Thunder Bay T 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| Women's 4x100 metre Freestyle Relay | | | | | |
| 3:42.76 | | C.N. Piscine du Parc Olympique | CAN Nationals | Victoria, BC | 30 Jul 2010 |
| 3:43.62 | | Etobicoke SC | CAN Nationals/WCTs | Montreal, Qc | 10 Jul 2009 |
| 3:45.38 | | TO* | US Spring Nationals | Orlando, Fl | 12 Apr 2004 |
| 3:47.90 | 1 | Pacific Dolphins SA | CAN Spring Nationals | Victoria, BC | Mar 1999 |
| 3:52.98 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 3:57.86 | 1 | Pointe Claire SC 'A' | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 3:57.98 | 1 | Pointe Claire SC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 18 May 1975 |
| 4:00.09 | | Pointe Claire SC | | | 1974 |
| 4:00.54 | 1 | Pointe Claire SC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| 4:03.54 | 1 | Pointe Claire SC | Santa Clara International | Santa Clara, Ca | Jun 1974 |

| | | | | | |
|-------------------------------------|---|-----------------------------|-----------------------------|-----------------|----------------|
| Women's 4x200 metre Freestyle Relay | | | | | |
| 8:09.93 | | Etobicoke SC | Canada Cup | Etobicoke, On | 26 Nov 2011 |
| 8:10.22 | | Etobicoke SC | CAN Nationals/WCTs | Montreal, Qc | 9 Jul 2009 |
| 8:12.36 | 1 | Pacific Dolphins SA | CAN Spring Nationals | Victoria, BC | 19 Mar 1999 |
| 8:22.87 | 1 | Pointe Claire Swim Club 'A' | CAN Nationals | Montreal, Qc | 28 Jul 1983 |
| 8:21.41** | 1 | Ontario Team | Canada Summer Games | Thunder Bay, On | Aug 1981 |
| 8:24.86 | 1 | Edmonton Keyano SC 'A' | "CAN Olympic Trials" | Etobicoke, On | 19 Jul 1980 |
| 8:26.00 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 8:36.98 | 1 | Vancouver CDSC | CAN Nationals/Pan Am Trials | Calgary, Ab | 8-11 Aug 1975 |
| 8:38.28 | 1 | Vancouver CDSC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 17 May 1975 |
| 8:40.97 | 1 | Pointe Claire SC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| 8:59.02 | | Vancouver CDSC | | | 1974 |

| | | | | | |
|---------------------------------|---|--------------------|---------------------------|---------------|----------------|
| Women's 4x50 metre Medley Relay | | | | | |
| 1:55.16 | 4 | CAN National team | Pan Pacific Championships | Tokyo, JPN | 17 Aug 1989 |
| 1:55.98 | | Etobicoke SC | Division 1 Team Champs | Toronto, On | 19 Apr 2009 |
| 1:56.44 | 1 | Univ of Calgary SC | CAN Summer Nationals | Edmonton, Ab | 28 Jul 1993 |
| 1:59.16 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |

| | | | | | |
|----------------------------------|---|--------------------------------|---------------------------|-----------------|----------------|
| Women's 4x100 metre Medley Relay | | | | | |
| 4:05.89 | 1 | UBC Dolphins SC | CAN Nationals/WCTs | Victoria, BC | 2 Apr 2011 |
| 4:08.71 | | C.N. Piscine du Parc Olympique | GP-Coupe Canada | Montreal, Qc | 21 Jun 2009 |
| 4:10.27 | 1 | UBC Dolphins SC | CAN Spring Nationals | Victoria, BC | 25 Mar 2007 |
| 4:11.55 | 1 | UBC Dolphins SC | | | 2006 |
| 4:12.93 | 1 | Canadian Kodiak SC | CAN Summer Nationals | Etobicoke, On | 9 Aug 1998 |
| 4:18.80 | 1 | Vancouver CDSC | CAN Nationals | Vancouver, BC | 18-22 Aug 1976 |
| 4:24.42 cwr | 1 | Pointe Claire SC 'A' | CAN Spring Nationals/WCTs | Winnipeg, Mb | 19 May 1975 |
| 4:28.62 | 1 | Pointe Claire SC 'A' | CAN Nationals | Ottawa, On | Aug 1974 |
| 4:31.94 | 1 | Pointe Claire SC | Santa Clara International | Santa Clara, Ca | Jun 1974 |

Mixed 4x50 metre Freestyle Relay

Mixed 4x100 metre Freestyle Relay

Mixed 4x200 metre Freestyle Relay

Mixed 4x50 metre Medley Relay

Mixed 4x100 metre Medley Relay

Key:

- CWR = current Commonwealth Record
- wr = former World Record
- cwr = former Commonwealth Record
- cwb = former Commonwealth Best
- (nr?) = unsure of National Record status
- # = unsure of competitors national status
- @ = unsure of teams national status
- ? = unsure of result or generally unsure of full details of result