Annual Peak-Flow Frequency Analysis
For more information on the contents of this documentation, see Kessler and others (2013).

Streamgage number and name:

05128000 Namakan River at outlet of Lac La Croix, Ontario, Canada

Peak-flow information:

Number of systematic peak flows in record	14
Systematic period begins	1997
Systematic period ends	2010
Length of systematic record	14
Years without information	0
Number of historical peak flows in record	0

Frequency analysis options:

Method	Bulletin 17B
Skew option	Weighted
Generalized skew	-0.038
Standard error of generalized skew	0.426
Low-outlier method	Bulletin 17B Grubbs-Beck test

Bulletin 17B systematic record analysis results:

Moments of the common logarithms of the peak flows:

Mean	Standard deviation	Skewness
3.9040	0.2203	-0.175

Outlier criteria and number of peak flows exceeding:

Low	2609.2	0
High	24635.3	0

Bulletin 17B Final analysis results:

Moments of the common logarithms of the peak flows:

Mean	Standard deviation	Skewness
3.9040	0.2203	-0.084

Annual frequency curve at selected exceedance probabilities:

Exceedance probability	Peak estimate	Lower-95 level	Upper-95 level
0.9950	2,090	1,040	3,060
0.9900	2,390	1,260	3,410
0.9500	3,440	2,120	4,580
0.9000	4,170	2,770	5,390
0.8000	5,240	3,770	6,610
0.6667	6,480	4,940	8,100
0.5000	8,080	6,380	10,200
0.4292	8,840	7,040	11,300
0.2000	12,300	9,760	17,200
0.1000	15,300	11,800	22,900
0.0400	19,200	14,300	31,500
0.0200	22,200	16,200	38,700
0.0100	25,300	18,000	46,500
0.0050	28,400	19,700	55,100
0.0020	32,800	22,100	67,600

Peak-flow data used in the analysis:

Explanation of symbols and codes

−− none

Water year	Peak flow	Peak-flow code
1997	9,570	−−
1998	3,630	−−
1999	8,930	−−
2000	7,380	−−
2001	16,600	−−
2002	6,250	−−
2003	3,670	−−
2004	8,860	−−
2005	11,800	−−
2006	8,370	−−
2007	4,310	−−
2008	16,500	−−
2009	14,000	−−
2010	5,970	−−