

Example Data Sets

1907	41500	1950	90000
1908	57000	1951	50600
1909	44000	1952	41900
1910	49000	1953	35000
1911	31000	1954	16500
1912	45900	1955	35300
1913	190000	1956	30000
1914	41100	1957	52600
1915	37300	1958	99000
1916	76000	1959	89000
1917	33200	1960	39500
1918	61200	1961	55400
1919	76000	1962	46000
1920	59800	1963	63000
1921	44400	1964	58300
1922	58400	1965	36500
1923	53600	1966	14600
1924	59800	1967	64900
1925	63300	1968	68500
1926	57700	1969	69100
1927	64000	1970	42600
1928	63500	1971	31000
1929	38000	1972	39400
1930	74600	1973	40700
1931	13100	1974	53400
1932	37600	1975	36000
1933	67500	1976	43900
1934	21700	1977	23600
1935	37000	1978	50500
1936	93500	1979	49700
1937	58500	1980	48100
1938	63300	1981	44500
1939	74400	1982	56400
1940	34200	1983	60800
1941	14600	1984	40400
1942	44200	1985	80400
1943	13100	1986	41600
1944	73300	1987	14700
1945	46600	1988	33300
1946	39400	1989	40700
1947	41200	1990	53300
1948	41300	1991	77400
1949	62000		

Data format for Tool

41500,57000,44000,49000,31000,45900,190000,41100,37300,76000,33200,61200,76000,59800,44400,58400,53600,59800,63300,57700,64000,63500,38000,74600,13100,37600,67500,21700,37000,93500,58500,63300,74400,34200,14600,44200,13100,73300,46600,39400,41200,41300,62000,90000,50600,41900,35000,16500,35300,30000,52600,99000,89000,39500,55400,46000,63000,58300,36500,14600,64900,68500,69100,42600,31000,39400,40700,53400,36000,43900,23600,50500,49700,48100,44500,56400,60800,40400,80400,41600,14700,33300,40700,53300,77400

After Data in Tool Box in above prescribed format: Click on the Estimate parameters and calculate return period discharge

Time Series Discharge Data (comma-separated):

7500, 21700, 37000, 93500, 58500, 63300, 74400, 34200, 14600, 44200, 13100, 73300, 46600, 39400, 41200, 41300, 62000, 90000, 50600, 41900, 35000, 16500, 35300, 30000, 52600, 99000, 89000, 39500, 55400, 46000, 63000, 58300, 36500, 14600, 64900, 68500, 69100, 42600, 31000, 39400, 40700, 53400, 36000, 43900, 23600, 50500, 49700, 48100, 44500, 56400, 60800, 40400, 80400, 41600, 14700, 33300, 40700, 53300, 77400

Estimate Parameters and Calculate Return Periods

Estimated Parameters

Shape Parameter (β): 18642.18

Location Parameter (μ): 40473.66

Return Period Analysis

Return Period (years)	Estimated Discharge (cumec)
2	47306.26
5	68435.82
10	82425.42
25	100101.32
50	113214.32
100	126230.49
200	139199.16
500	156308.87
1000	169239.97