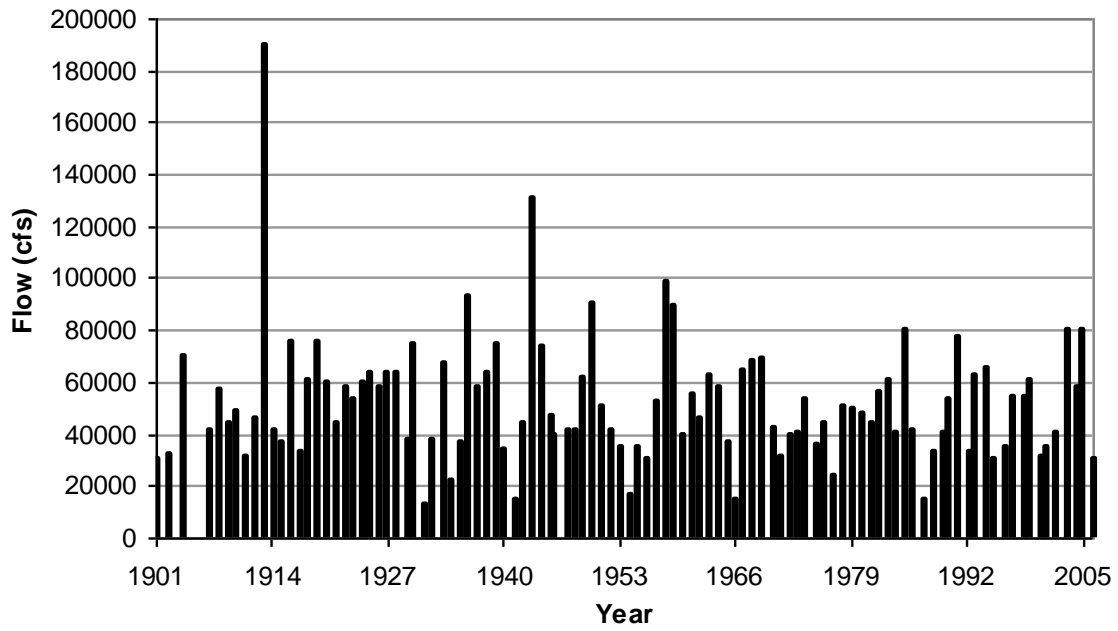


# 44200 Introduction to Hydrology

## Assignment 18

Name: \_\_\_\_\_

1. The following chart shows annual maximum peaks for 106 years for Wabash River at Lafayette. Compute the average recurrence interval and exceedance probability for the following flowrates: (1) 60,000 cfs and (2) 80,000 cfs.



2. Given annual maximum series for a river, compute the return period for 40,000 and 50,000 cfs flow.

Year	Peak Flow	Sorted	Rank	EP	T (years)
3/12/1901	30800	190000			
7/1/1902	32000	70000			
3/27/1904	70000	57000			
3/15/1907	41500	49000			
3/7/1908	57000	45900			
2/25/1909	44000	44000			
1/19/1910	49000	41500			
1/29/1911	31000	41100			
3/20/1912	45900	37300			
3/26/1913	190000	32000			
4/9/1914	41100	31000			
2/7/1915	37300	30800			

