Table 1 Comparison of 90% confidence intervals for various estimators at 100- and 500-year flood for the Santa Cruz River (1915-2000)

Estimator	100-year Flood				500-year Flood			
	Estimated Flood (cms.)	Confidence Interval			Estimated Flood (cms.)	Confidence Interval		
		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)
EVI	860	1,133	527	606	1,124	1,493	670	823
LN	896	1,181	657	524	1,374	1,912	951	961
LPIII	960	1,496	570	926	1,540	2,952	737	2,215
LOCFIT	1,462	1,567	637	930	1,817	1,821	670	1,151

Table 2 Comparison of 90% confidence intervals for various estimators at 100- and 500-year flood for the American River (1905-2000)

Estimator	100-year Flood				500-year Flood			
	Estimated Flood (cms.)	Confidence Interval			Estimated Flood (cms.)	Confidence Interval		
		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)
EVI	3,134	3,615	2,584	1,031	4,071	4,701	3,339	1,362
LN	4,801	6,051	3,674	2,377	8,099	10,591	5,936	4,655
LPIII	4,470	5,692	3,352	2,340	7,203	10,109	4,910	5,199
LOCFIT	3,360	3,528	2,796	732	3,530	3,754	2,965	789

Table 3 Comparison of 90% confidence intervals for various estimators at 100- and 500-year flood for the American River (1905-1945)

Estimator	100-year Flood				500-year Flood			
	Estimated Flood (cms.)	Confidence Interval			Estimated Flood (cms.)	Confidence Interval		
		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)
EVI	2,842	3,435	2,149	1,286	3,648	4,414	2,732	1,682
LN	3,659	4,871	2,584	2,287	5,537	7,672	3,687	3,985
LPIII	3,726	5,006	2,515	2,491	5,706	8,649	3,388	5,261
LOCFIT	2,927	3,025	2,467	558	3,046	3,207	2,928	279

Table 4 Comparison of 90% confidence intervals for various estimators at 100- and 500-year flood for the American River (1946-2000)

Estimator	100-year Flood				500-year Flood			
	Estimated Flood (cms.)	Confidence Interval			Estimated Flood (cms.)	Confidence Interval		
		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)		upper limit (cms.)	lower limit (cms.)	Interval width (cms.)
EVI	3,340	4,027	2,500	1,527	4,370	5,265	3,247	2,018
LN	5,383	7,546	3,553	3,993	9,644	14,154	6,006	8,148
LPIII	5,645	7,837	3,668	4,169	10,434	16,666	5,811	10,855
LOCFIT	3,502	3,682	2,937	745	3,619	3,961	2,927	1,034