

**Table 6.** Trend analysis of stages related to the mean annual discharge and median annual peak discharge at selected streamflow-gaging stations in the study area  
[--, not determined]

Map number (fig. 1)	Station number	Station name	Variable tested	tau	p value	Trend slope (feet per year)	Number of years in test
2	07182510	Neosho River at Burlington, KS	Stage for mean annual discharge (feet)	-0.04	0.77	--	29
			Stage for median annual peak discharge (feet)	-.89	<.01	-0.104	29
3	07183000	Neosho River near Iola, KS					
		Pre-dam	Stage for mean annual discharge (feet)	-.24	.06	--	47
			Stage for median annual peak discharge (feet)	+.57	<.01	+.017	47
		Post-dam	Stage for mean annual discharge (feet)	-.54	<.01	-.005	29
			Stage for median annual peak discharge (feet)	-.58	<.01	-.046	29
4	07183500	Neosho River near Parsons, KS					
		Pre-dam	Stage for mean annual discharge (feet)	+.14	<.01	+.003	43
			Stage for median annual peak discharge (feet)	-.62	.02	--	43
		Post-dam	Stage for 10-percent exceedance discharge (feet)	+.10	.64	--	29
			Stage for mean annual discharge (feet)	+.46	.85	--	29