

Table 9-17. Observed and simulated mean monthly flows, percent differences in flows, and Nash-Sutcliffe coefficients for monthly data. All flow values are in cubic feet per second (cfs). Contributing basins that are not in the active cells of the NFSEG MODFLOW model domain are indicated by an asterisk. Monthly Percent Bias and Monthly Nash-Sutcliffe Coefficient shading as used in Table 9-16

Model (HUC8)	HSPF Model Reach	Calibration Gauge	USGS Data Quality Water Year 2009*	Observed Mean Monthly (cfs)	Simulated Mean Monthly (cfs)	Monthly Percent Bias (%)	Monthly Nash-Sutcliffe
03050207	10	02175500	fair	280	282	-1	0.74
03050208	7	02176500	poor	123	109	11	0.76
03060101*	23	02185200		171	179	-5	0.83
	3	02186000	good	174	166	5	0.85
	7	02186645		115	114	1	0.92
	5	02186699	good	55	52	5	0.84
03060102*	1	02176930		208	161	22	0.75
	22	02177000	good	637	576	10	0.85
	18	02178400	good	178	142	20	0.70
	24	02181580	fair	58	293	-403	-25.55
				This gauge does not represent the entire flow from the upstream subwatersheds. It is located ABOVE the powerhouse discharge from Tallulah Falls Lake reservoir. Model flows should be significantly larger than gauge flows.			
	9	02182000		52	68	-30	0.68
There is a diversion 2 miles upstream of gauge for the City of Toccoa water supply which isn't represented in the model. Model flows should be larger than gauge flows.							
03060103*	16	02187910	good	121	125	-3	0.82
	8	02188600	good	73	55	25	0.73
03060104*	16	02191300	fair	825	828	0	0.89
	5	02191743		163	177	-9	0.85
	21	02192000	good	1571	1506	4	0.92
03060105*	4	02193340	good	24	25	-1	0.82
	20	02193500	good	209	218	-4	0.85