

Table 9-17 -- Continued

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
03080102	25	02237293	fair	31	47	-51	0.61
				Managed water control system upstream of the gauge not represented in the HSPF model. Discharge computed from relation between discharge, head and spillway gate openings.			
	27	02237700	fair	53	56	-7	0.40
				Managed water control system upstream of the gauge not represented in the HSPF model. Discharge computed from relation between discharge, head and gate openings. Starting March 2, 2009, flow regulated by Nutrient Reduction Facility (NURF) which bypasses the lock and dam structure. Discharge is computed by the index velocity and stage in the NURF outlet channel and added to any structure discharge.			
	28	02238000	fair	142	133	6	0.66
	7	02238500	fair	152	153	-1	0.64
	4	02239501		591	612	-4	0.30
				Volume matches very well. Spring flow representation in HSPF is coarse and the timing suffers, as shown by the low Nash-Sutcliffe.			
	10	02240000	good	812	797	2	0.76
	13	02240500	fair	885	851	4	0.80
31	02240902		51	29	43	0.59	
			Since Dec. 23, 1956, flow regulated at station by manipulation of gates in spillway. Discharge computed from relation between discharge, head, gate openings and lockages.				