Results

Water Quality

In late September 2009, the water quality at most of the sampling sites met water quality standards. Only 4.5 percent (9 of 200) of water quality values exceeded their respective limits. The majority of the exceedances were for total orthophosphate and total sodium. Exceedances are summarized in Table 6 and Figure 2.

Table 6. Number of Exceeds per Parameter

Parameter	Limit	# of Exceedences
Total Orthophosphate	>0.05 mg/l	3
Total Sodium	>20mg/l	2
Total Organic Carbon	>10 mg/l	1
Total Phosphorus	>1.0 mg/l	1
Chloride	>250mg/l	1
Total Nitrite	>0.06 mg/l	1

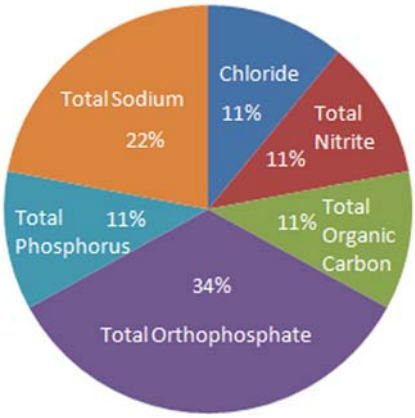

Figure 2. Parameters Exceeding Water Quality Standards

Biological Conditions

Biological conditions are summarized in Figure 3. Nonimpaired biological conditions were found at four of the eight sites (50 percent), slightly impaired conditions were found at three sites (37.5 percent), and moderately impaired conditions were found at one site (12.5 percent). No sites were rated as severely impaired.

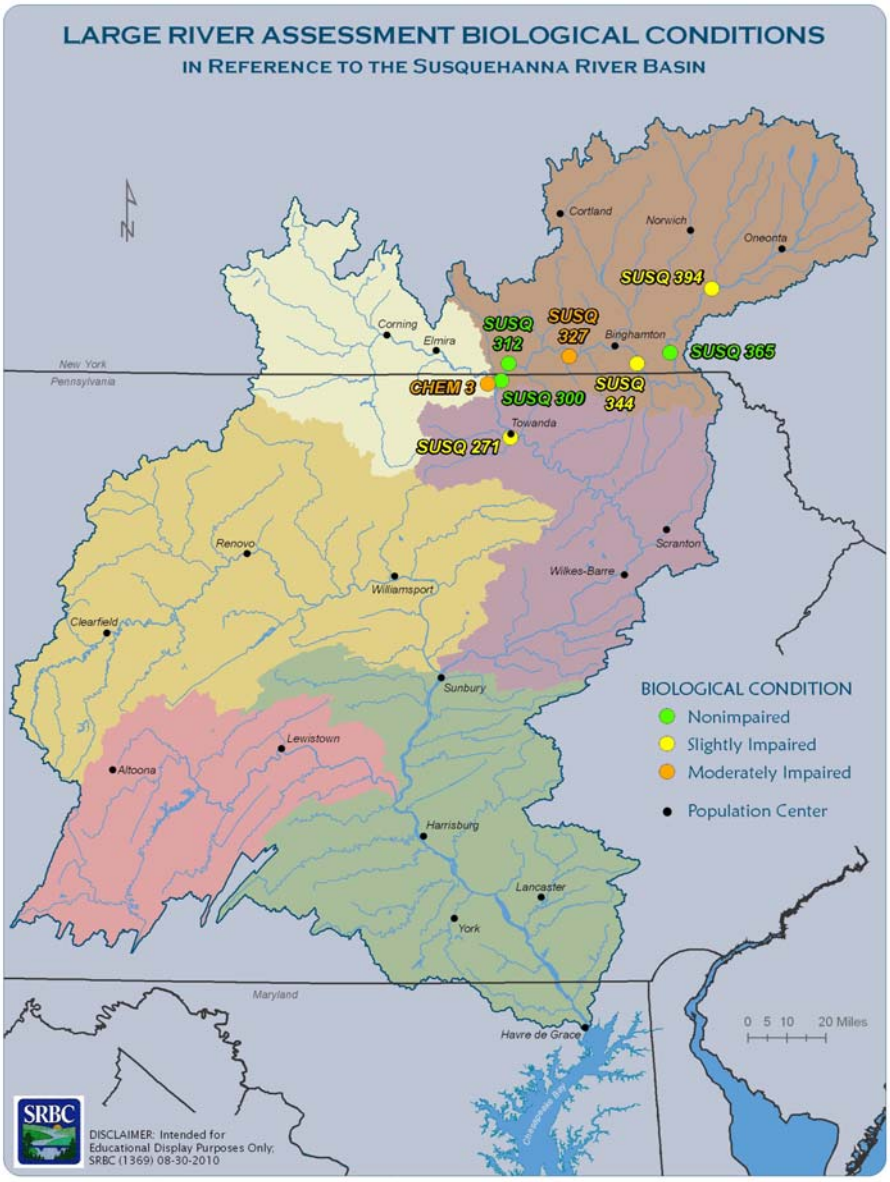

Figure 3. Biological Conditions in 2009