

Table 47. Dissolved Oxygen (DO) (mg/L) Breakdown by Station for BRI July 1991

River Miles	BAC	DO Difference	Summation of DO gains or losses in all CE between stations						DO Loss Breakdown in %			
			Reaeration*	Algae	SOD	BOD	Nitrification	Total	Algae	SOD	BOD	Nitrification
		Predicted	Gain	Gain/Loss	Loss	Loss	Loss	Loss				
26.8 - 25.0	BAC02-BAC03	-0.15	4.3	-0.2	-4.1	-0.1	-0.1	-4.4	4.1	92.3	2.0	1.6
25.0 - 22.4	BAC03-BAC06	-0.18	15.7	-0.1	-14.3	-0.2	-1.3	-15.9	0.6	89.8	1.5	8.1
22.4 - 21	BAC06-BAC07	-0.59	15.2	0.1	-14.7	-0.4	-0.7	-15.8	0.0	92.9	2.4	4.7
21 - 18.2	BAC07-BAC12	-0.13	25.7	0.1	-21.6	-0.7	-3.6	-26.0	0.0	83.3	2.7	14.0
18.2 - 13.8	BAC12-BAC15	-0.53	37.8	0.5	-29.7	-1.1	-7.0	-37.8	0.0	78.6	2.8	18.6
13.8 - 10.0	BAC15-BAC17	1.07	31.1	15.4	-33.2	-1.7	-10.5	-45.5	0.0	73.0	3.8	23.1
10.0 - 6.0	BAC17-BAC21	0.63	10.7	17.3	-19.2	-1.3	-6.9	-27.3	0.0	70.1	4.7	25.2
6.0 - 1.6	BAC21-BAC22	0.1	4.7	14.4	-13.7	-0.9	-4.4	-19.0	0.0	71.8	4.9	23.3

CE = Computational Elements; * This column only includes the stream reaeration. The reaeration from dams is already incorporated in the predicted values; The source of oxygen associated with reaeration is subject to change since the model did not allow macrophytes to be simulated. Below BAC16 Algae Productivity becomes a source of DO.