

**Table E19-2. Relative Percent Differences in Algal Counts Between the Upstream and Downstream Portions of the Lower Basin**

Date	Data Source	Lower Basin -Upstream (cells or units per ml)					Lower Basin -Downstream (cells or units per ml)					Delta Temp. (Deg. F)	Relative Percent Difference		Change B-G % *	
		Location	Blue-Greens	Total Algae	B-G %	Temp. (Deg. F)	Location	Blue-Greens	Total Algae	B-G %	Temp. (Deg. F)		Blue-Greens	Total Algae		
<b>2001</b>																
8/20/2001	Mirant	MIT	12587	22234	56.6%	78.3	Diffuser	10515	20356	51.7%	77.8	-0.5	-16.5	-8.4	-5.0%	
8/29/2001	Mirant	MIT	9951	20132	49.4%	77.8	Diffuser	12629	22377	56.4%	78.7	0.9	26.9	11.2	7.0%	
9/3/2001	Mirant	MIT	13284	25764	51.6%	73.9 <sup>(1)</sup>	Diffuser	25638	38426	66.7%	75.4 <sup>(1)</sup>	1.5	93.0	49.1	15.2%	
9/20/2001	Mirant	MIT	18341	27885	65.8%	70.4	Diffuser	8642	16754	51.6%	71.1	0.7	-52.9	-39.9	-14.2%	
<b>2002</b>																
7/9/2002	EPA	TMDL21	20	2059	1.0%	78.9	CRBL11	18	985	1.8%	82.7	3.8	-10.0	-52.2	0.9%	
8/6/2002	EPA	TMDL21	364	9893	3.7%	80.8	CRBL11	73	9456	0.8%	84.0	3.2	-79.9	-4.4	-2.9%	
9/10/2002	EPA	TMDL21	1163	4110	28.3%	74.0	CRBL11	1195	2137	55.9%	78.8	4.8	2.8	-48.0	27.6%	
<b>2003 Comparison between upstream and downstream in the Lower Basin</b>																
8/7/2003	Mirant	A	78	2507	3.1%	78.0	B&C <sup>(2)</sup>	403	2088	19.3%	80.8	2.8	416.7	-16.7	16.2%	
8/14/2003	Mirant	A	150	1601	9.4%	79.5	B&C <sup>(2)</sup>	248	1383	17.9%	82.9	3.4	65.3	-13.6	8.6%	
8/21/2003	Mirant	A	351	1991	17.6%	78.7	B&C <sup>(2)</sup>	510	2186	23.3%	82.9	4.2	45.3	9.8	5.7%	
8/28/2003	Mirant	A	168	1618	10.4%	75.0	B&C <sup>(2)</sup>	472	2147	22.0%	78.1	3.1	181.0	32.7	11.6%	
9/3/2003	Mirant	A	281	1425	19.7%	71.0	B&C <sup>(2)</sup>	390	1156	33.7%	72.5	1.5	38.8	-18.9	14.0%	
9/17/2003	Mirant	A	373	1659	22.5%	71.9	B&C <sup>(2)</sup>	1426	2938	48.5%	74.6	2.7	282.3	77.1	26.1%	
9/24/2003	Mirant	A	176	1278	13.8%	69.7	B&C <sup>(2)</sup>	1801	3084	58.4%	71.7	2.0	923.3	141.3	44.6%	
9/30/2003	Mirant	A	314	1607	19.5%	67.4	B&C <sup>(2)</sup>	1339	2325	57.6%	68.9	1.5	326.4	44.7	38.1%	
<b>2003 Comparison between Mirant Stations A and B</b>																
8/7/2003	Mirant	A	78	2507	3.1%	78.0	B	376	2150	17.5%	80.2	2.2	382.1	-14.2	14.4%	
8/14/2003	Mirant	A	150	1601	9.4%	79.5	B	281	1119	25.1%	82.1	2.6	87.3	-30.1	15.7%	
8/21/2003	Mirant	A	351	1991	17.6%	78.7	B	525	2225	23.6%	82.5	3.8	49.6	11.8	6.0%	
8/28/2003	Mirant	A	168	1618	10.4%	75.0	B	378	2282	16.6%	77.1	2.1	125.0	41.0	6.2%	
9/3/2003	Mirant	A	281	1425	19.7%	71.0	B	426	1186	35.9%	72.5	1.5	51.6	-16.8	16.2%	
9/17/2003	Mirant	A	373	1659	22.5%	71.9	B	1553	3169	49.0%	74.2	2.3	316.4	91.0	26.5%	
9/24/2003	Mirant	A	176	1278	13.8%	69.7	B	1834	3199	57.3%	70.9	1.2	942.0	150.3	43.6%	
9/30/2003	Mirant	A	314	1607	19.5%	67.4	B	1223	2314	52.9%	68.3	0.9	289.5	44.0	33.3%	
<b>2003 Comparison between Mirant Stations A and C</b>																
8/7/2003	Mirant	A	78	2507	3.1%	78.0	C	429	2027	21.2%	81.5	3.5	450.0	-19.1	18.1%	
8/14/2003	Mirant	A	150	1601	9.4%	79.5	C	275	1648	16.7%	83.7	4.2	83.3	2.9	7.3%	
8/21/2003	Mirant	A	351	1991	17.6%	78.7	C	496	2150	23.1%	83.2	4.5	41.3	8.0	5.4%	
8/28/2003	Mirant	A	168	1618	10.4%	75.0	C	566	2013	28.1%	79.1	4.1	236.9	24.4	17.7%	
9/3/2003	Mirant	A	281	1425	19.7%	71.0	C	355	1125	31.6%	72.5	1.5	26.3	-21.1	11.8%	
9/17/2003	Mirant	A	373	1659	22.5%	71.9	C	1301	2707	48.1%	75.1	3.2	248.8	63.2	25.6%	
9/24/2003	Mirant	A	176	1278	13.8%	69.7	C	1769	2969	59.6%	72.4	2.7	905.1	132.3	45.8%	
9/30/2003	Mirant	A	314	1607	19.5%	67.4	C	1454	2336	62.2%	69.5	2.1	363.1	45.4	42.7%	

(2) Represents average of data from Mirant stations B and C

(\*) a positive % indicates an increase in Blue\_Green Algae when traveling from the upstream station to the downstream station. A negative % indicates a decrease.