

Table 7. ANOVA of Straits Pond pre- versus post-Abate application midge abundance, 2001

Pre-application sampling was conducted on March 28, 2001.

Abate application was conducted on April 11, 2001 and Post-application sampling was conducted on April 19, June 4, July 6, August 13, and September 28, 2001.

ANOVA Comparison	March 28, 2001 Mean	Comparison Date(s) Mean	F Value	P Value
March 28 vs. April 19, 2001	2,427	2,958	0.562	0.456
March 28 vs. June 4, 2001	2,427	6,395	6.191	0.016*
March 28 vs. July 6, 2001	2,427	2,127	0.266	0.608
March 28 vs. August 13, 2001	2,427	10	50.417	1.987x10 ⁻⁹ *
March 28 vs. September 28, 2001	2,427	35	49.292	2.70x10 ⁻⁹ *
March 28 vs. All post-larvicide data ¹	2,427	2,305	0.053	0.818

¹ = The pre-application sampling date (March 28, 2001) is compared to all post-application dates combined (April 19, June 4, July 6, August 13, and September 28, 2001).

* = Result is significant at $\alpha < 0.05$.

Table 8. ANOVA of Straits Pond mean 2001 (all sample dates for 2001) pre- and post-application pond zone comparisons

Sample stations are located within three discrete pond zones; nearshore, offshore, and deepwater areas.

ANOVA Comparison	Pre-Application				Post-Application		
	Mean 1	Mean 2	F value	P value	Mean 1	Mean 2	F value
nearshore vs. offshore	1,570	2,775	1.709	0.207	3,300	2,051	1.218
offshore vs. deepwater	2,775	2,935	0.098	0.758	2,051	1,564	0.604
nearshore vs. deepwater	1,570	2,935	2.119	0.163	3,300	1,564	2.754

* = Result is significant at $\alpha < 0.05$.

P value
0.273
0.439
0.100