

Yearly Distribution of Odonata at Ten Acre Pond from 1955 to 2004

Decade	1950's				1960's				1970's				1980's				1990's				2000's				Number of Years Observed																					
	Year	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		8	9	0	1	2	3	4	5													
Zygoptera Species																																														
<i>Calopteryx maculata</i>						X										X																X	X	7												
<i>Archilestes grandis</i>																																X	X	X	3											
<i>Lestes congener</i>	X	X				X	X	X	X	X		X	X	X	X								X	X	X	X	X	X	X	X	X	X	X	X	X	28										
<i>d. australis</i>						X	X	X	X	X	X	X	X	X	X	X							X	X	X	X	X	X	X	X	X	X	X	X	X	35										
<i>dryas</i>						X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	29										
<i>eurinus</i>	X	X				X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	33										
<i>forcipatus</i>	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	38										
<i>inaequalis</i>	X	X				X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24										
<i>rectangularis</i>	X					X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	37										
<i>unguiculatus</i>	X	X				X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24									
<i>vigilax</i>		X				X	X				X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19									
<i>Nehalennia gracilis</i>						X																															3									
<i>irene</i>		X				X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	32									
<i>Chromagrion conditum</i>						X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30									
<i>Coenagrion resolutum</i>																																						4								
<i>Argia moesta</i>																																						1								
<i>translata</i>																																						1								
<i>Enallagma aspersum</i>	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	41								
<i>boreale</i>	X																																					1								
<i>civile</i>		X	X			X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	31								
<i>cyathigerum</i>	X					X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	38								
<i>ebrium</i>						X											X	X	X	X	X	X																10								
<i>exsulans</i>																																						1								
<i>gemmatum</i>						X	X	X	X								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	23								
<i>hageni</i>	X	X				X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	39							
<i>signatum</i>						X	X	X									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22							
<i>triviatum</i>																																							8							
<i>vesperum</i>						X																																	5							
<i>Ischnura hastata</i>	X	X	X			X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24								
<i>posita</i>						X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30							
<i>verticalis</i>	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	45							
Number of species (Zygoptera)	1	2	4	7	0	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2										
	2	4	7	0	9	0	7	5	0	2	3	0	0	8	1	5	5	5	5	9	3	8	7	1	9	3	4	3	3	7	6	9	7	9	3											
Total Odonata Species	3	1	2	5	4	3	3	3	1	3	2	4	3	3	3	1	4	4	2	2	1	3	3	3	4	4	5	4	3	5	4	5	3	3	4	4	5	6	5	4	5	5	6	6	7	85

Data for 1955 through 1962 taken from
H. B. White (1963) Seasonal Distribution and Sbundance of Odonata at a Large Pond in Central Pennsylvania, Ent. Soc Am.- N. Cent. Br. Proc. 58, 120-124.
Data for 1963 through 1994 taken with corrections from
C. N. Shiffer and H. B. White (1995) Four Decades of Stability and Change in the Odonata Populations at Ten Acre Pond in Central Pennsylvania, Bull. Am. Odonatology 3(2), 31-41.