Trout Cave Bat Counts -- 1982-2010

Area of the Cave	Type	1982	1983	1984	1985	1987	1989	1991	1993	1995	1997	1999	2001	2003	2005	2006	2007	2009	2010	2011
Area A (entrance area)	Pip		5	10	10	17	4	3	4	5	9	0	2	3	5		3		22	
	BB		23	30	17	24	22	8	8	17	9	3	5	4	9		25	20	7	
	LB		3	1	1	4	4	3			8						6	7	2	
	SF		1			1		1	1	1					1		2			
	LE													1			3	2		
	IN	1		10		13	8							1						
	All	1	32	51	28	59	38	15	13	23	26	3	7	9	15		39	29	31	
Area B (side passage)	Pip		5						4	4	1				3				2	
	BB								1	1	1									
	LB		1						1		4							1	6	
	SF																			
	LE												1		0					
	IN		20						10	17	15	7	12	18	79		123	99	40	
	All	0	26	0	0	0	0	0	16	22	21	7	13	18	82		123	100	48	
Area C (split to 8-foot drop)	Pip		31	108	102	154	148	82	67	75	135	99	115	60	169		108	59	75	
	BB		3	1	1		24		2	1		1	5	1	1					
	LB		10	3	2	8	15	4	8	8	3	3	5	5	2		6		9	
	SF				1			1							1		2	1		
	LE				1			1						1			0			
	IN			4	2	1	11	10	2		9	12	12		15		35	40	42	
	All	0	44	116	109	163	198	98	79	84	147	115	137	67	188		151	100	126	
Area D (8-foot drop to J-19)	Pip		177	29	23	52	56	29	27	20	38	34	43	50	33		16	29	20	
	BB					1						2					0			
	LB										2						0			
	SF																			
	LE																			
	IN																			
	All	0	177	29	23	53	56	29	27	20	40	36	43	50	33		16	29	20	
Area E (maze)	Pip		85	122	183	283	191	141	127	163	161	117	160	110	221		170	79	80	
	BB										2									
	LB			6	3	5	4	11	8	2	4	1	0	4	1		2	5		
	SF																			
	LE																1			
	IN													1	1					
	All	0	85	128	186	288	195	152	135	165	167	118	160	115	223		173	84	80	
Area F (J-19 to end of trunk)	Pip		152	119	137	146	109	97	106	87	114	87	82	52	91		53	46	33	
	BB		0					1												
	LB		133	82	127	158	121	107	65	120	194	127	84	93	115		127	91	11	
	SF																			
	LE																			
	IN		1							9										
	All	0	286	201	264	304	230	205	171	216	308	214	166	145	206		180	137	44	
Area G (end of trunk to Square Room)	Pip		56	15	27	25	14	18	13	21	17	25	15	14	25		9	20		
	BB													1						
	LB		2				1				1									
	SF																			
	LE																			
	IN		0																	
	All	0	58	15	27	25	15	18	13	21	18	25	15	15	25		9	20	0	
Area H (Square Room)	Pip		21	9	13	21	16	36	17	19	28	37	56	24	52		73	36		
	BB																			
	LB		34	18	13	49	31	10	11	23	24	27	24	17	17			8		
	SF																			
	LE																			
	IN																			

	All	0	55	27	26	70	47	46	28	42	52	64	80	41	69		73	44	0	
Totals	Pip		532	412	495	698	538	406	365	394	503	399	473	313	599		432	269	232	
	BB		26	31	18	25	46	9	11	19	12	6	10	6	10		25	20	7	
	LB		183	110	146	224	176	135	93	153	240	158	113	119	135		141	112	28	
	SF		1		1	1		2	1	1					2		4	1	0	
	LE				1			1					1	2	0		4	2	0	
	IN	1	21	14	2	14	19	10	12	26	24	19	24	20	95	93	158	139	82	
	All	1	763	567	663	962	779	563	482	593	779	582	621	460	841		764	543	349	
See note number		1	2	3	3	3	3	3,4								5		6	7	

Notes:

1. The obviously incomplete count of one bat in 1982 is included here only because it has been previously published.
2. Two unidentified bats were seen in Area A of Trout in 1983. They are included in the Pip count.
3. From 1984 through 1991 the Area B side passage was not counted separately and its bats are included in the Area A count.
4. One Septentrionalis bat was seen in Area F in 1991. It is not included in the count.
5. A partial count was done in Trout Cave in 2006. Only Indiana bats were counted and there were 93 of them.
6. Trout Cave was gated in September, 2008, and is closed during the winter hibernating season.
7. A partial count was done in Trout Cave in 2010. Areas G and H were not counted.

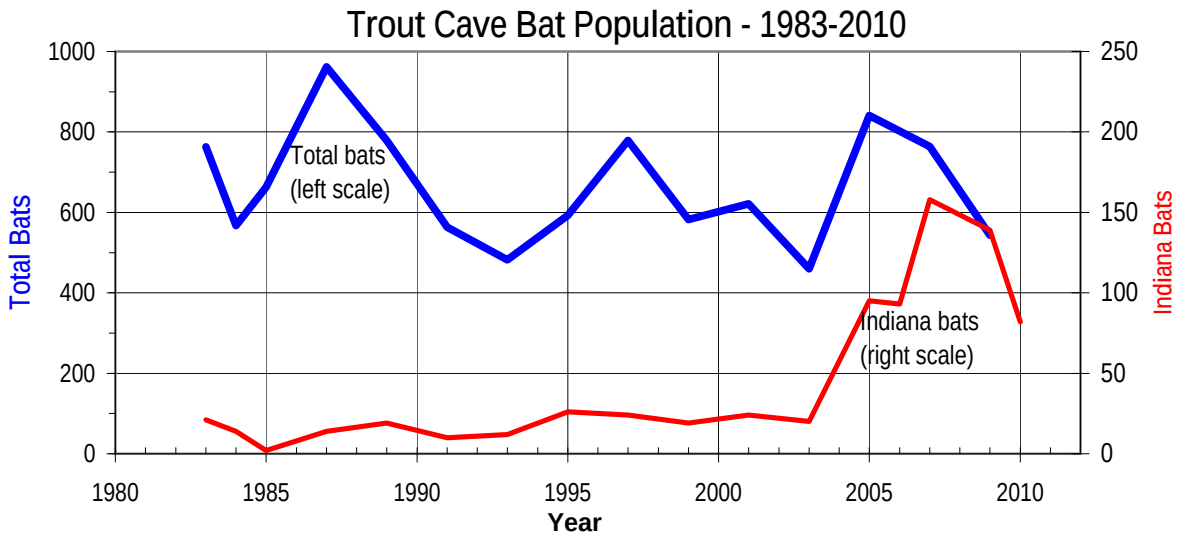
Bat Type Abbreviations:

Pip Pipistrelle
BB Big Brown
LB Little Brown
SF Small Footed bat (formerly Leibei)
LE Northern Long Ear
IN Indiana (*Myotis sodalis*)

Cave Description and Counting Procedure: The cave is generally horizontal and dry (except for the damp Square Room).
The first 200 feet get daylight and wind from the very large entrance.
The same well defined areas are counted each year. No attempt is made to look for additional bat concentrations outside the standard counting areas. The goal is to develop a long-term database showing population changes over the years.

Count Dates and Participants:

1983 Feb. 26 Ed Ricketts, Tom Kaye, Bob Hoke, Mike Lipske, and Ginny Tipton
1984 Feb. 4 Tom Kaye and others
1985 Feb. 10 Tom Kaye, Marilyn Templeton, Debbie Lapiere
1987 Mar. 1 Tom Kaye, Dave Dalton, Jim Crum
1989 Feb. 25 Tom Kaye and others
1991 Jan. 19 Tom Kaye and others
1993 Feb. 13 Tom Kaye and others
1995 Feb. 18 Tom Kaye and others
1997 Feb. 15 Tom Kaye and others
1999 Feb. 6 Bob Hoke, Arnie Weisbrot, Roxanne Shively, Rachel Shively, Fred Grady, Craig Stihler, Jeff Wallace, and Elisa Bowman
2001 Feb. 10 Roxanne Shively, Fred Grady, Bob Hoke, Craig Stihler, Kieren O'Malley, and Rebecca McKee
2003 Feb. 8 Dave West, Karen Willmes, Meredith Hall Johnson, Craig Stihler, and Kieren O'Malley
2005 Feb. 12 Dave West, Karen Willmes, Craig Stihler, and Kieren O'Malley
2006 Feb 10 Dave West, Craig Stihler, and Karen Willmes
2007 Feb. 9 Dave West, Craig Stihler, and Kieran O'Malley, and Barbara Douglas
2009 Jan. 30 Craig Stihler, Kieren O'Mally, Barbara Douglas, and Tabitha Viner
2010 Mar. 3 Craig Stihler, Rick Doyle, Barbara Douglas, and Kieran O'Malley


Trout Cave Bat Population - 1983-2010
Total Bats
Indiana Bats
Total bats
(left scale)
Indiana bats
(right scale)
1000
800
600
400
200
0
250
200
150
100
50
0
1980
1985
1990
1995
2000
2005
2010
Year