

2001 Trout Rock Bat Counts

by Bob Hoke

The annual bat counts in the three major caves in the NSS-owned John Guilday Cave Preserve (Trout Rock) were completed on February 10-11, 2001. Trout Cave is only counted in odd-numbered years to reduce the impact on its small colony of endangered Indiana bats. Hamilton and New Trout caves are counted annually. The goal is to develop a long-term database that includes the same areas of each cave each year.

The counters in Trout Cave included Roxanne Shively, Fred Grady, Bob Hoke, Craig Stihler, Kieren O'Malley, and Rebecca McKee. New trout was counted by Fred Grady, Bob Hoke, Roxanne Shively, Rebecca McKee, Jim Gildea, and Carolyn Ingle. Hamilton was counted by Bob Hoke, Roxanne Shively, Fred Grady, and Rebecca McKee.

There were no unusual bat locations this year, although there seemed to be an increased dispersion of *Sodalis* bats in the main trunk passage in Trout between the left turn and the climb down to the register. The bats are usually found around the turn, but this year there were several much further along in the passage. Temperatures along the passage rose from 48.1° at the turn to 49.1° near the climb down. The side passage with 12 *Sodalis* bats was 44°.

TROUT CAVE - 2001

Area	Pip	Big Brown	Little Brown	VA Big Ear	Sodalis	Total
Entrance area	2	5	0	0	0	7
Side Passage	0	0	0	1	12	13
Split in Trunk to 8-Ft Drop	115	5	5	0	12	137
8-Ft Drop to J-19	43	0	0	0	0	43
Maze Area	160	0	0	0	0	160
J-19 to End of Trunk	82	0	84	0	0	166
End of Trunk to Sq Room	15	0	0	0	0	15
Square Room	56	0	24	0	0	80
TOTALS	473	10	113	1	24	621

TOTAL COUNTS BY YEAR

Year	Trout	New Trout	Hamilton
1982	1(?)	22	no count
1983	763	10	no count
1984	567	no count	32
1985	663	21	55
1986	no count	32	58
1987	874	43	101
1988	no count	44	114
1989	779	37	105
1990	no count	56	90
1991	564	37	106
1992	no count	41	161
1993	482	43	190
1994	no count	39	207
1995	593	61	273
1996	no count	58	316
1997	779	60	360
1998	no count	51	292
1999	584	29	381
2000	no count	30	547
2001	621	29	480

NEW TROUT CAVE - 2001

Area	Pip	Big Brown	Lelbi	Total
Entrance Passage	6	0	1	7
First Room	0	0	0	0
1st to 2nd Room Passage	0	0	0	0
Second Room	0	0	0	0
Bone Site	1	0	0	1
Big Room	19	2	0	21
TOTAL	26	2	1	29

HAMILTON CAVE - 2001

Area	Pip	L. Brown	Total
Entr to U-survey	45	0	45
U-Survey	23	0	23
Big Slab Room	42	2	44
Mud Ball Room	9	0	9
Big Slab Rm to C-12	83	1	84
C12 to Roselyn Esc.	72	2	74
Below Ros. Esc.	41	0	41
Ros. Esc to Pre-Form Rm	12	0	12
Pre-Formation Room	64	0	64
Formation Room	82	2	84
TOTAL	473	7	480