

## Moth Survey Results

**Date:** Aug. 3, 2013

**Location:** Red Fern Timber

**Number of trees baited:** 0

**Weather:** 20:50, 67°, 0 wind, 50% clear.

23:12, 64°, 0 wind, clear.

### Circuits and Moths per Tree

20:15 – 20:26 N/A

21:36 – 21:43 N/A

### Comments

1. No moon. Sunset 8:31 p.m.

2. Light on at 8:50. Lights off at 11:12

3. Used 80-watt fixture with 2 battery packs.

### Captures and Time

1. Small dark moth at UV/fluor. light, env. AAA – 20:51
2. Tiny-small moth at UV/fluor. light, env. BBB – 20:54
3. Small **sphinx** moth at UV/fluor. light, env. CCC – 20:58
4. Small moth at UV/fluor. light, env. DDD – 21:01
5. Small **sphinx** moth at UV/fluor. light, env. EEE – 21:03
6. Smallish moth at UV/fluor. light, env. FFF – 21:10
7. Tiny dark moth at UV/fluor. light, env. GGG – 21:11
8. Medium-large **underwing** moth at UV/fluor. light, env. HHH – 21:14
9. Small black **underwing** moth at UV/fluor. light, env. III – 21:20
10. Small-medium **sphinx** moth at UV/fluor. light, env. JJJ – 21:22
11. Small-medium **underwing** moth at UV/fluor. light, env. KKK – 21:25
12. Small moth at UV/fluor. light, env. LLL – 21:28
13. Small moth at UV/fluor. light, env. MMM – 21:29
14. Medium moth at UV/fluor. light, env. NNN – 21:32
15. Small green moth at UV/fluor. light, env. OOO – 21:36
16. Small **underwing** moth at UV/fluor. light, env. PPP – 21:37
17. Small moth at UV/fluor. light, env. QQQ – 21:39
18. Smallish gray moth at UV/fluor. light, env. RRR – 21:41
19. Smallish light moth at UV/fluor. light, env. SSS – 21:43
20. Small green moth at UV/fluor. light, env. TTT – 21:44
21. Smallish light moth at UV/fluor. light, env. UUU – 21:48
22. Small green moth at UV/fluor. light, env. VVV – 21:49
23. Smallish moth at UV/fluor. light, env. WWW – 21:52
24. Smallish-medium Datana moth at UV/fluor. light, env. XXX – 21:55
25. Smallish dark moth at UV/fluor. light, env. YYY – 21:58
26. Small black & white moth at UV/fluor. light, env. ZZZ – 21:59
27. Smallish Acronicta moth at UV/fluor. light, env. 4A – 22:09
28. Pero moth at UV/fluor. light, env. 4B – 22:16
29. Small moth at UV/fluor. light, env. 4C – 22:19
30. Tiny bird-dropping moth at UV/fluor. light, env. 4D – 22:21
31. Smallish moth at UV/fluor. light, env. 4E – 22:26
32. Small-smallish moth at UV/fluor. light, env. 4F – 22:28
33. Small moth at UV/fluor. light, env. 4G – 22:37
34. Small moth at UV/fluor. light, env. 4H – 22:39
35. **Small dark skipper (!)** at UV/fluor. light, env. 4I – 22:42
36. Medium **underwing** moth at UV/fluor. light, env. 4J – 22:45
37. Tiny-small moth at UV/fluor. light, env. 4K – 22:49
38. Smallish moth at UV/fluor. light, env. 4L – 22:53
39. Tiny-small moth at UV/fluor. light, env. 4M – 22:57
40. Small white moth at UV/fluor. light, env. 4N – 22:59
41. Small-smallish light moth at UV/fluor. light, env. 4O – 23:09
42. Medium moth on battery, env. 4P – 23:28

At lights out there were up to 60 moths on the sheet. At 10:04 p.m. a fresh male **Luna moth** showed up and stayed until end of session. A second **Luna** flew by at a height of 20-30 feet at 10:31. An Orange Wing also came to the sheet.

The older of the two powerful batteries died after just 62 minutes.