Moth Survey Results

Date: Aug. 21, 2015
Location: Matsell Bridge Park

Weather: 20:30, 71º, 2-6 S wind, clear.
22:10, 62º, 2-5 S wind, clear.

Circuits and Moths per Tree
20:15 – 20:26   See below
21:36 – 21:43   N/A

Comments
1. Moon at 1st quarter. Sunset 7:57 p.m.
2. Light on at 8:18. Lights off at 10:15
3. Used 80-watt fixture and **4 battery packs**

Captures and Time
1. Smallish moth at UV/fluor. light, env. A – 20:30
2. Small moth at UV/fluor. light, env. B – 20:33
3. Small moth at UV/fluor. light, env. C – 20:42
4. Smallish moth at UV light, env. D – 20:54 Note now using only UV bulb
5. Small moth at UV light, env. E – 20:57
6. Smallish moth at UV light, env. F – 20:58
7. Small moth at UV light, env. G – 21:04
8. Small moth at UV light, env. H – 21:10
9. Small moth at UV light, env. I – 21:16
10. Smallish moth at UV light, env. J – 21:18
11. Small moth at UV light, env. K – 21:21
12. Small moth at UV light, env. L – 21:22
13. Small moth at UV light, env. M – 21:25
14. Smallish moth at UV light, env. N – 21:27
15. Tiny-small moth at UV light, env. O – 21:30
16. Tiny moth at UV light, env. P – 21:32
17. Small moth at UV light, env. Q – 21:39
18. Small moth at UV light, env. R – 21:42
19. Tiny moth at UV light, env. S – 21:43
20. Smallish-medium moth at UV light, env. T – 21:54
21. Smallish moth at UV light, env. U – 22:13
22. Smallish moth at UV light, env. V – 22:15

At lights out, about 80 moths were on the sheet, including several dozen scabras. Also on the sheet: Xanthotype sospeta, fresh Luna at 9:08, costalis, renigera, orange wing, scopula limboundata.

Had numerous battery problems: the first large battery (the oldest) didn't have enough power to do anything but make the two bulbs flicker; the second large battery lasted just 33 minutes, at which time I disconnected the fluorescent tube to make the next battery last longer; the third battery lasted one hour 18 minutes powering just the UV bulb; and the small battery couldn't even power the one UV bulb. So I gave up around 10:15 p.m.

Heard coyotes howling far away for about 5 minutes.