**Scat Dichotomy Key: Michigan**

1. **General shape/description of Scat**
   1. Is the scat solid and/or dimensional?.......................................................................................................................................2
   2. Is the scat in a dried spray or fluid form (often light in color)…...............................................................................................2
2. **Nitrogenous (white) tip or color**
   1. The scat does have a nitrogenous tip/color.............................................................................................................................3
   2. The scat does not have a nitrogenous tip/color………………………………………………………………………………………………………………….4
3. **Size of nitrogenous scat**
   1. Scat is <1/2” long…………………………………………………………………………………………………………………………………………………………..……E
   2. Scat is >1/2” long………………………………………………………………………………………………………………………………………………………….……D
4. **Location of scat:** 
   1. Was the scat found on land?....................................................................................................................................................5
   2. Was the scat found in water?..................................................................................................................................................C
5. **General size of Scat**
   1. Is the scat <1/2” and seed-like (pencil lead form)?..................................................................................................................A
   2. Is the scat >1/2”.......................................................................................................................................................................6
6. **Specific shape of scat**
   1. Is the scat in pellet form?.........................................................................................................................................................7
   2. Is the scat tubular?...................................................................................................................................................................8
   3. Is the scat in cord form with nipple present?..........................................................................................................................G
7. **Pellet-form, nipple presence**
   1. Does the scat have nipples?.....................................................................................................................................................8
   2. Is the scat smooth and round with no nipples?.......................................................................................................................E
8. **Length of scat**
   1. Is the tubular scat <1” long?...................................................................................................................................................10
   2. Is the tubular scat >1” long?...................................................................................................................................................11
   3. Is the pellet scat <1” long?.......................................................................................................................................................F
   4. Is the pellet scat >1” long?.......................................................................................................................................................9
9. **Specific shape of pellet scat >1” long**
   1. Is the pellet more rounded?....................................................................................................................................................U
   2. Is the pellet more elongated?..................................................................................................................................................T
10. **Description of tubular scat <1” long**
    1. Is the scat rounded on both ends, semi smooth and appear dull?........................................................................................12
    2. Is the scat not rounded on both ends? Irregular rough texture?...........................................................................................13
11. **Description of tubular scat >1” long**
    1. Does the scat have flattened threads?.....................................................................................................................................I
    2. Is the scat round-ish and not flat?..........................................................................................................................................14
    3. Does the scat look like large thick cords with blunt ends?......................................................................................................V
12. **Composition of rounded tubular scat <1” long**
    1. The scat contains woody or nutshell fibers…………………………………………………………………………………………………………………….…. J
    2. The scat does not contain woody fibers…………………………………………………………………………………………………………………..……….. K
13. **Composition of non-rounded tubular scat <1” long**
    1. Does the scat contain little to no insect parts?........................................................................................................................L
    2. Does the scat sparkle with insect exoskeletons?....................................................................................................................M
14. **End shape of tubular scat >1” long**
    1. Is the scat tubular and rounded on both ends?.....................................................................................................................15
    2. Is the scat tubular, tapered and pointed at one end?.............................................................................................................N
    3. Is the scat tubular and tapered at both ends?.........................................................................................................................O
15. **Composition of scat >1” long**
    1. Hair, solitary piles, usually not covered, semi smooth, constrictions possible?......................................................................P
    2. Usually covered, grouped, granular, even diameter, may have nuts, berries, corn?..............................................................Q
    3. Not smooth, covered, insect parts possible, little or no plant parts, usually dark?.................................................................R
    4. Non-distinctive, varies with food, usually smooth, Insect parts possible?...............................................................................S
16. Mouse
17. Songbird
18. Turtle
19. Snake
20. Salamander/Skink
21. White-tailed Deer
22. Frog/Toad
23. Rabbit
24. Weasel Family
25. Ground Squirrel
26. Tree Squirrel
27. Rats
28. Bats
29. Feline Family
30. Fox
31. Canine Family
32. Raccoon
33. Skunk
34. Opossum
35. Moose
36. Elk
37. Black Bear