VIRTUAL Teacher's Guide for "Track Data Collection Sheet"

This sheet has examples on how students might fill out their data sheets, including measurements and other data for tracks and scat. Measurements within 0.5 cm of what's on the teacher's guide should be considered acceptable.

Tracks

Students will choose one track from each animal to report on in their data collections sheets. It doesn't matter what track they choose. Students from the same group should all report on the same track.

For each track students identify:

1. The area they found the track in (A, B, C or D).
2. The track "number," found above each track (this is for teacher identification).
3. Whether it's from a front or back foot.
4. The number of toes in the track (this can be different from the actual number of toes on the animal).
5. The length of the track, in centimeters.
6. The width of the track, in centimeters.

Scat

Students can examine the scat images. We don't ask students to measure the scat or scat pellets, but they can if they wish.

Students should mark:

1. The shape of the scat (circle or oval shape, tubular, chain, or other)
2. If there's a single scat or multiple scat
3. The animal the scat is from

For both the tracks and scat, students compare their observations and collected data to the animal information sheets and identify the animal that visited the station.

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Teacher's Guide for "Track Data Collection Sheet"

Measurements for Tracks and Scat:

See below for measurement estimate for each individual track.

Please be aware - if your files were resized this information could be incorrect

Measurements below are rounded to the nearest 0.5 cm. However, small differences in ruler angle can easily change the measurement by +/- 0.5cm. Measurements with 0.5 cm, or even 1.0cm, should be considered acceptable.

Otter (Area A):

Track #1 - Length is ≈7.0 cm
Width is ≈5.5 cm

Track #2 - Length is ≈ 5.5 cm
Width is ≈ 5.0 cm

width is a challenge to measure on this track, other answers may be acceptable

Track #3 - Length is ≈5.5 cm
Width is ≈ 4.0 cm

Track #4 - Length ≈5.5 cm
Width ≈ 5.0 cm

Scat is ≈ 8.0 cm long

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Measurements for Tracks and Scat (cont):

Measurements below are approximate to the nearest 0.5 cm

Porcupine (Area B):

Track #1 - Length is ≈ 9.5 cm
Width is ≈ 3.5 cm

Track #2 - Length is ≈ 8.5 cm
Width is ≈ 3.0 cm

Track #3 - Length is ≈ 5.5 cm
Width is ≈ 2.5 cm

Track #4 - Length is ≈ 5.5 cm
Width is ≈ 3.0 cm

Scat pellets are ≈ 0.5 cm long

Elk (Area C):

Track #1 - Length is ≈8.0 cm
Width is ≈6.5 cm

Track #2 - Length is ≈7.5 cm
Width is ≈ 6.5 cm

Scat pellets are ≈ 1.5 cm long

Rabbit (Area D):

Track #1 - Length is ≈ 3.0 cm
Width is ≈ 1.5 cm

Track #2 - Length is ≈7.5 cm
Width is ≈ 2.5 cm

Scat pellets are a little less than 0.5 cm long

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Track Data Collection Sheet

Track is from Area *A: Klamath River, Hehlkeek 'We-Roy* Track # *4*

Is the track from a FRONT foot or BACK foot? *Front*

How many toes do you see? *5*

What is the LENGTH of the track? *5.5 cm*

What is the WIDTH of the track? *5.0 cm*

This track is from (circle one) Elk **River Otter** Rabbit Porcupine

Track is from Area *B: Forest, Tepoonohl* Track # *2*

Is the track from a FRONT foot or BACK foot? *Back*

How many toes do you see? *5*

What is the LENGTH of the track? *8.5 cm*

What is the WIDTH of the track? *3.0 cm*

This track is from (circle one) Elk River Otter Rabbit **Porcupine**

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Track Data Collection Sheet

Track is from Area *C: Prairie, Sepolah* Track # *1*

Is the track from a FRONT foot or BACK foot? *Front*

How many toes do you see? *2*

What is the LENGTH of the track? *8.5 cm*

What is the WIDTH of the track? *6.5 cm*

This track is from (circle one) Elk River Otter Rabbit Porcupine

Track Data Collection Sheet

Track is from Area *D: Creek, Raak* Track # *2*

Is the track from a FRONT foot or BACK foot? *Back*

How many toes do you see? *4*

What is the LENGTH of the track? *7.5 cm*

What is the WIDTH of the track? *2.5 cm*

This track is from (circle one) Elk River Otter Rabbit Porcupine

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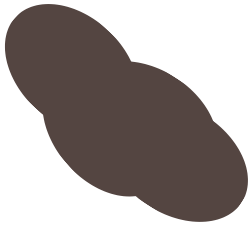
Scat Data Collection Sheet

Scat can be

Circle/Oval Shape

Tubular (like a tube)



In a chain

Scat is from Area _____*A*

Either answer is acceptable for shape. This illustration looks tublar, and the scat can be that shape. But scat is often mostly fish bones and scale and can be amorphous. Look up some real otter scat image to show students!

Scat is (circle one)

Circle/Oval Shape Tubular Chain Other

How many scat? (circle one)

One scat Many scat

Scat is from a (circle one)

Elk River Otter Rabbit Porcupine

Scat is from Area _____*B*

Scat is (circle one)

Circle/Oval Shape Tubular Chain Other

How many scat? (circle one)

One scat Many scat

Scat is from a (circle one)

Elk River Otter Rabbit Porcupine

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Scat Data Collection Sheet

Scat can be

Circle/Oval Shape

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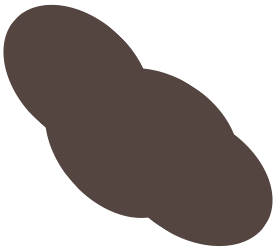

In a chain

Scat is from Area _____C_____

Scat is (circle one)
Circle/Oval Shape Tubular Chain Other

How many scat? (circle one)
One scat Many scat

Scat is from a (circle one)
Elk River Otter Rabbit Porcupine

Scat is from Area _____D_____

Scat is (circle one)
Circle/Oval Shape Tubular Chain Other

How many scat? (circle one)
One scat Many scat

Scat is from a (circle one)
Elk River Otter Rabbit Porcupine

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Final Report

What animals did you find in the different areas during your survey?

Area A: River

What animals tracks and scat did you find? *Otter*

Area B: Forest

What animals tracks and scat did you find? *Porcupine*

Area C: Prairie

What animals tracks and scat did you find? *Elk*

Area D: Creek

What animals tracks and scat did you find? *Rabbit*

Notes:

Students can write notes of challenges or successes they had. Maybe one of the tracks was harder to measure or identify, maybe they were unsure of the shape of some of the scat.

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