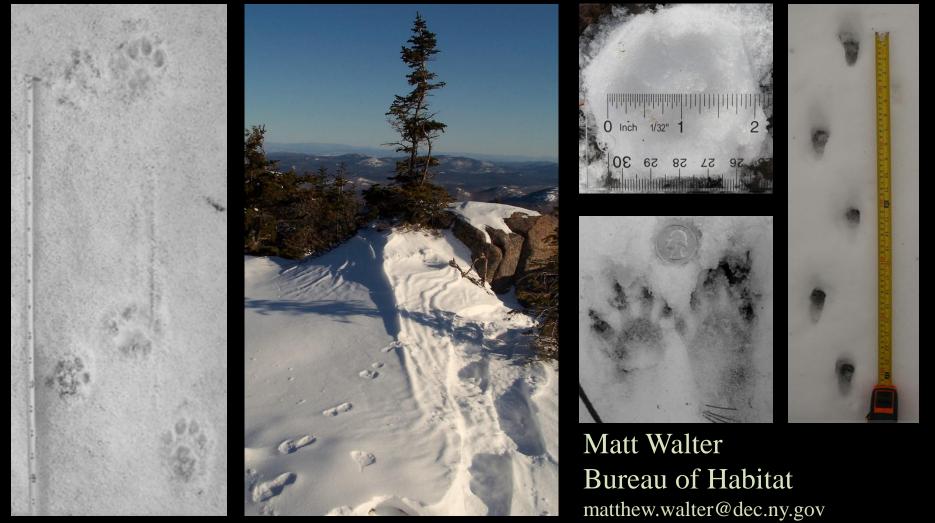
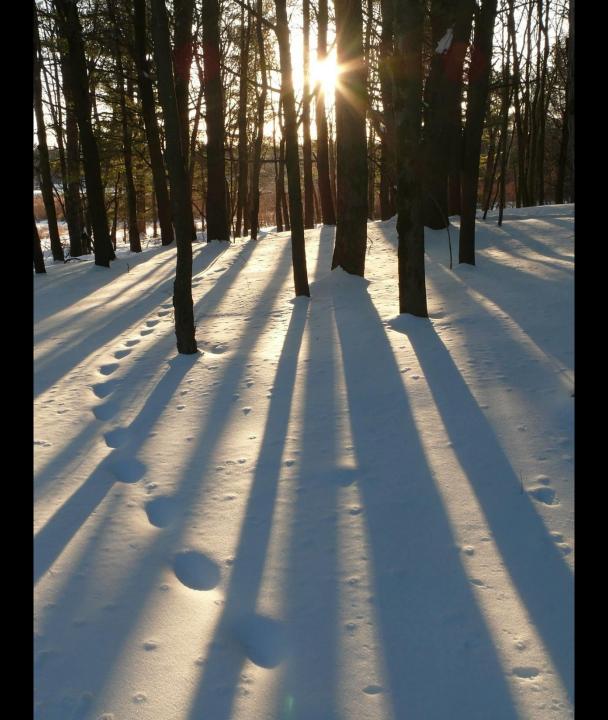
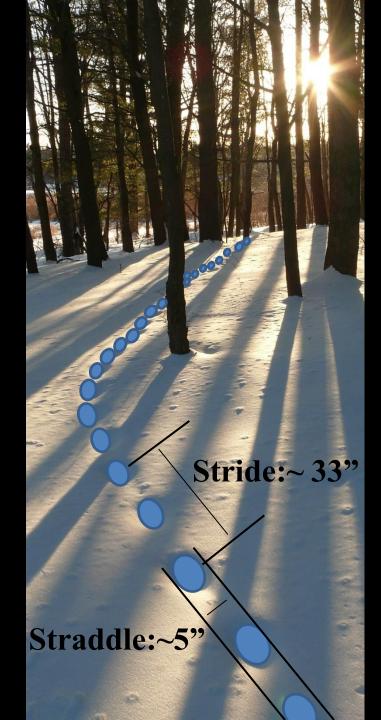


New York State Department of Environmental Conservation Division of Fish & Wildlife

Wildlife Tracking Skills: Identifying Trails Based on Track Patterns & Dimensions













Stride:~ 33"

Straddle:~5"

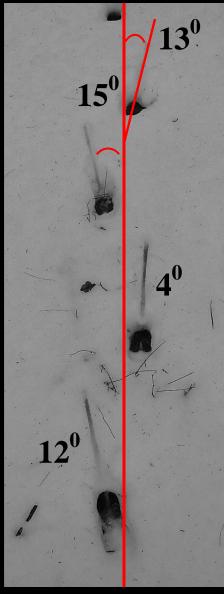








In white-tailed deer, prints may be angled 1^{0} - 20^{0} outward from the line of travel.



Odocoileus virginianus



Canis latrans





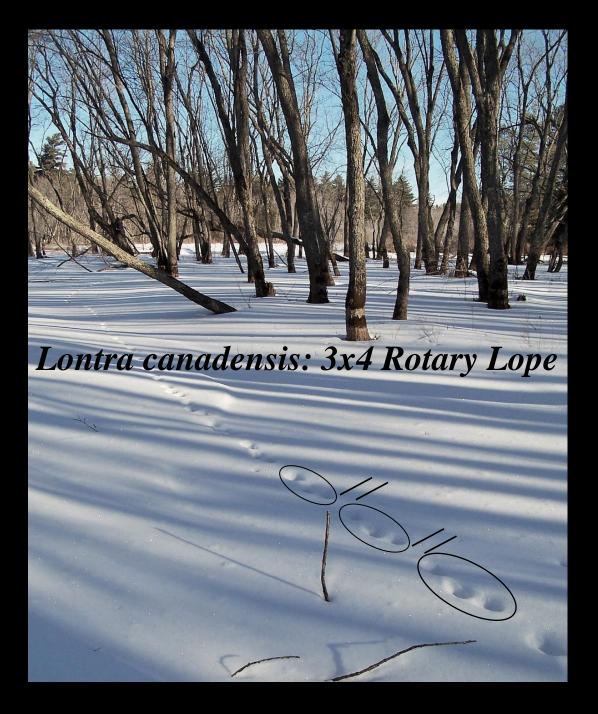


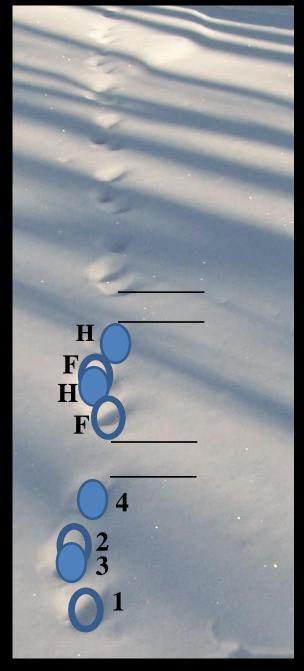




Erithizon dorsatum







Track / Print



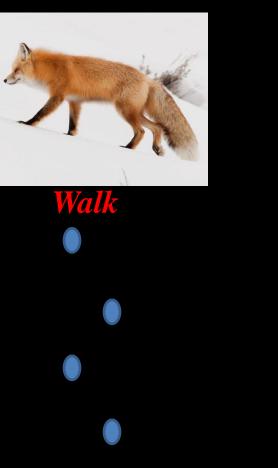
Trail - A series of tracks or prints reflecting movement.



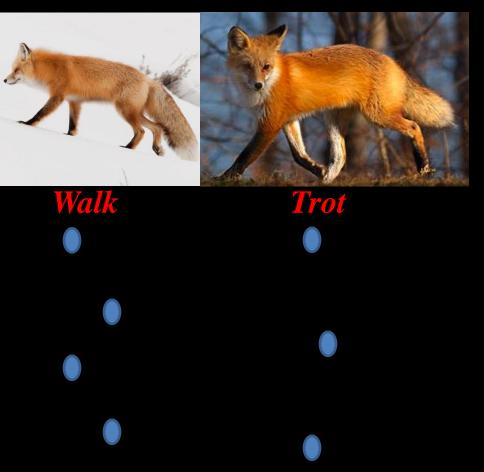
Trail or Track Pattern - The orientation of prints within a trail reflecting the *gait* of the animal that left them.

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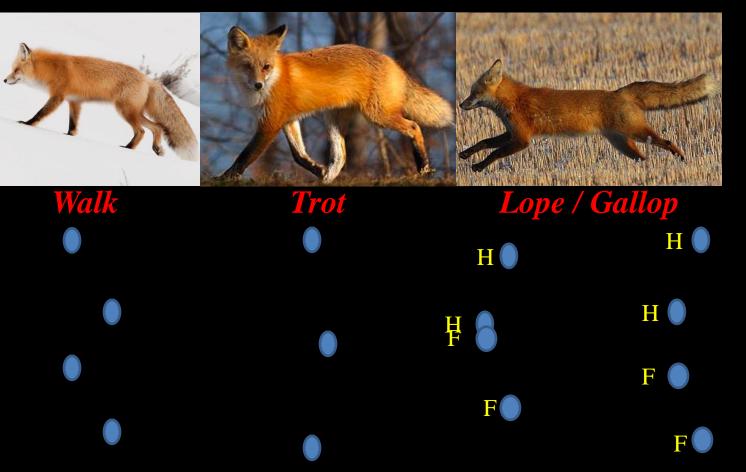
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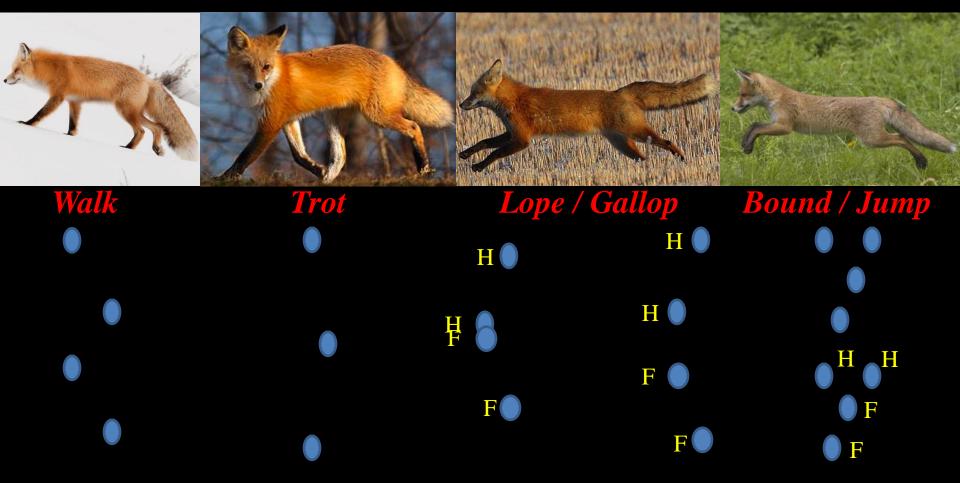
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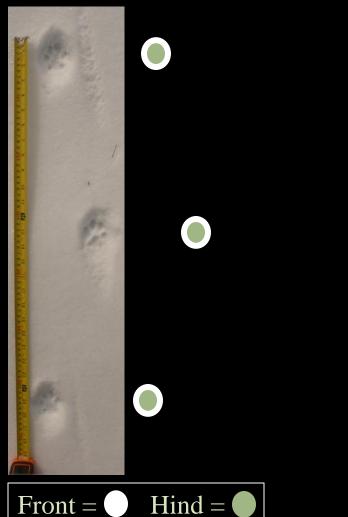
Trail or Track Pattern - The orientation of prints within a trail reflecting the *gait* of the animal that left them.



Walk - A slow gait in which each limb moves independently with no loss of contact with the ground at any point while stepping forth.

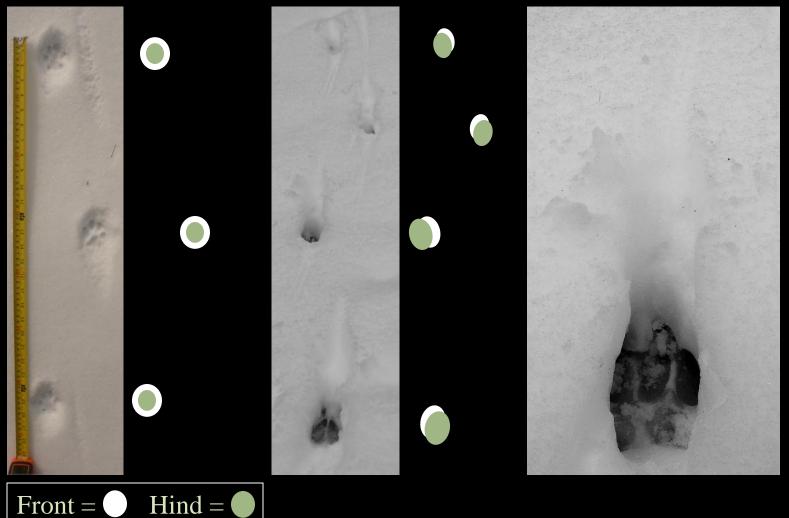
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Direct Register Walk



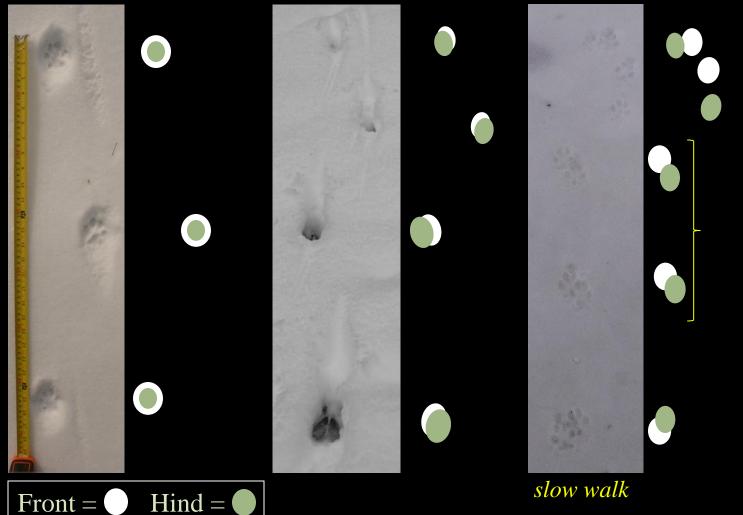
Walk - A slow gait in which each limb moves independently with no loss of contact with the ground at any point while stepping forth.

Direct Register Walk Indirect Register Walk



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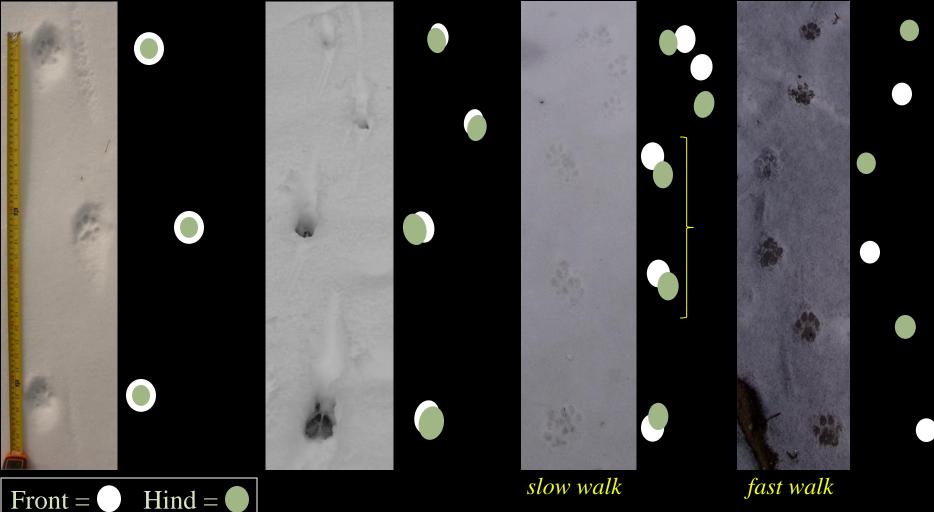
Direct Register Walk Indirect Register Walk Understep Walk



Walk - A slow gait in which each limb moves independently with no loss of contact with the ground at any point while stepping forth.

Direct Register Walk Indirect Register Walk Understep Walk

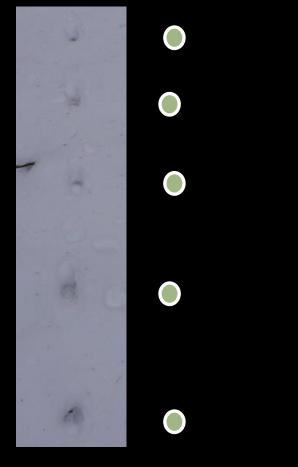
Overstep Walk



Trot - Paired movements of diagonal limbs. Faster than a walk, trotting creates a *longer stride* and a *narrower trail* width than walking.

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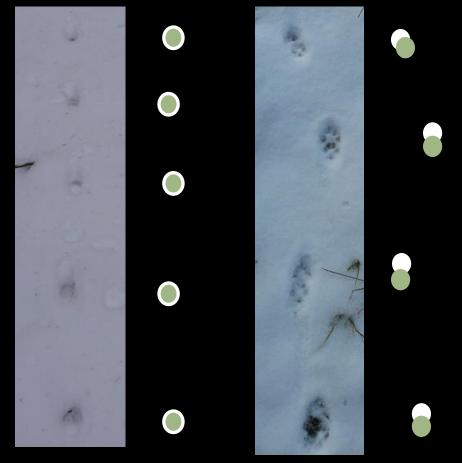
Direct Register Trot





Trot - Paired movements of diagonal limbs. Faster than a walk, trotting creates a *longer stride* and a *narrower trail* width than walking.

Direct Register Trot Indirect Register Trot





Trot - Paired movements of diagonal limbs. Faster than a walk, trotting creates a *longer stride* and a *narrower trail* width than walking.

Direct Register Trot Indirect Register Trot Side Trot





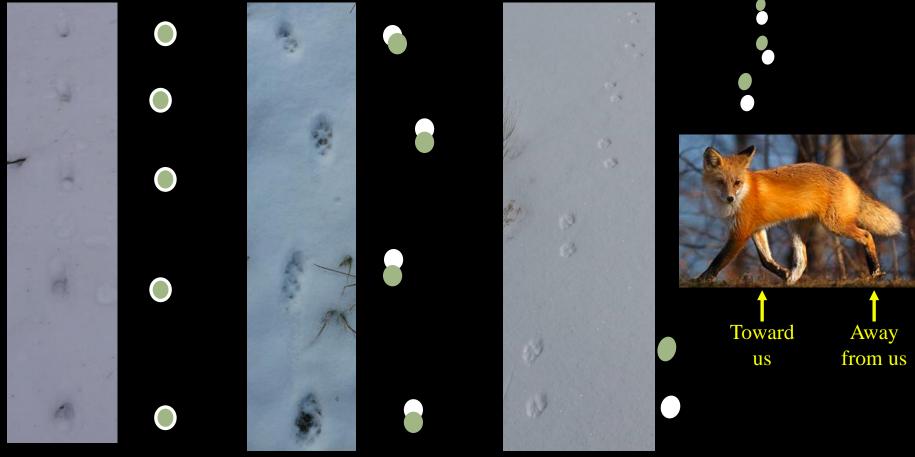


Trot - Paired movements of diagonal limbs. Faster than a walk, trotting creates a *longer stride* and a *narrower trail* width than walking.

Direct Register Trot Indirect Register Trot Side Trot

Hind =

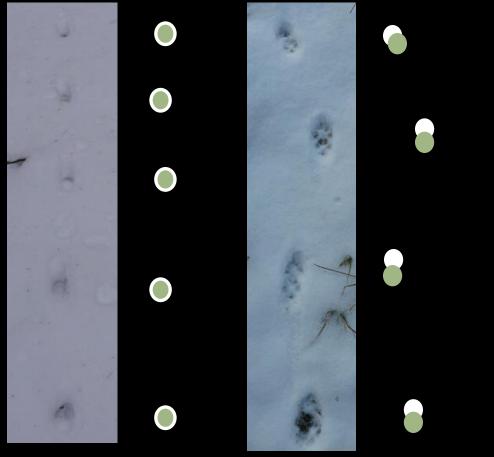
Front =





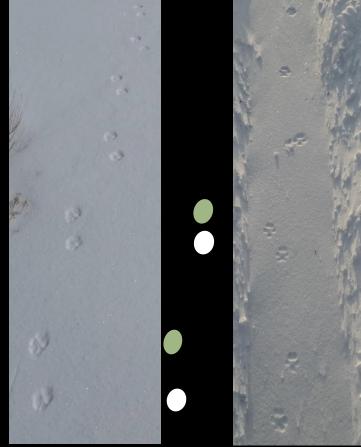
Trot - Paired movements of diagonal limbs. Faster than a walk, trotting creates a *longer stride* and a *narrower trail* width than walking.

Direct Register Trot Indirect Register Trot Side Trot



Hind =

Front =



Straddle Trot

Looking to the right

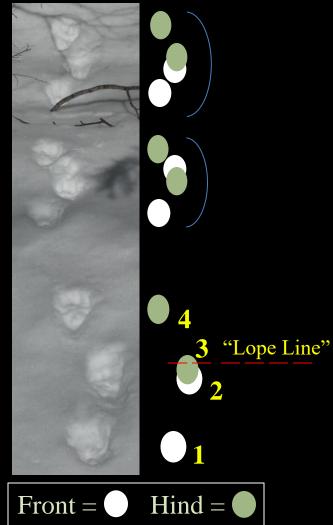
Lope – Two periods when all four feet are airborne.

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Gallop – Elongated gait, also having two airborne periods per cycle.

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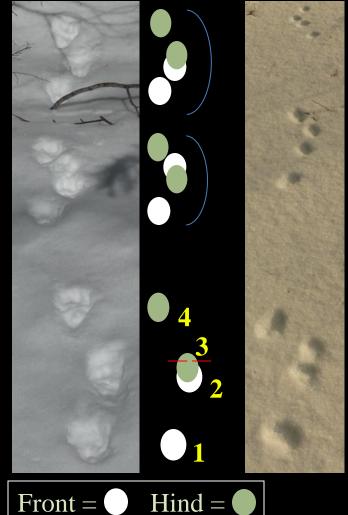
Rotary Lope



Lope – Two periods when all four feet are airborne. Gallop – Elongated gait, also having two airborne periods per cycle.

Rotary Lope

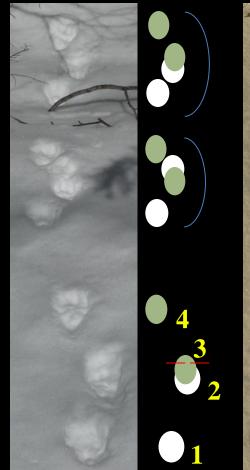
Front =



Rotary Gallup

Lope – Two periods when all four feet are airborne. Gallop – Elongated gait, also having two airborne periods per cycle.

Rotary Lope



Front =

Hind =

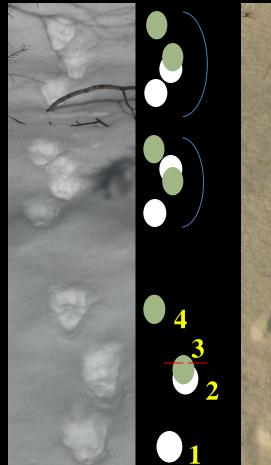
Rotary Gallup Transverse Lope (a)



Lope – Two periods when all four feet are airborne. *Gallop* – Elongated gait, also having two airborne periods per cycle.

Rotary Lope

Front =

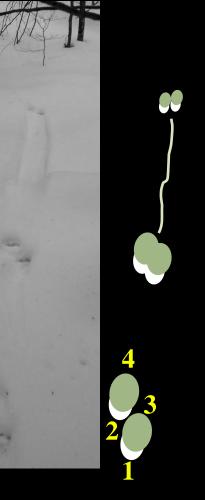


Hind =

Rotary Gallup

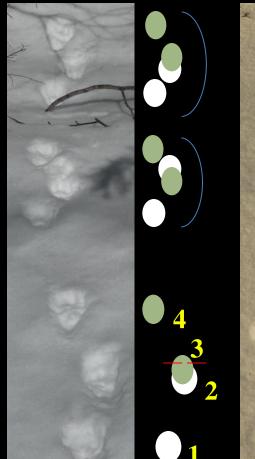


<u>Transverse Lope</u> (b)



Lope – Two periods when all four feet are airborne. *Gallop* – Elongated gait, also having two airborne periods per cycle.

Rotary Lope



Front =

Hind =

Rotary Gallup





Bound - Similar to gallop, but hind feet land & push off side by side.

Bound - Similar to gallop, but hind feet land & push off side by side.Faster than a hop w/ greater distance bet. front and hind feet

Tracking Terminology

Bound - Similar to gallop, but hind feet land & push off side by side.

- Faster than a hop w/ greater distance bet. front and hind feet

Bound

Front =



Hind =

Tracking Terminology

Bound - Similar to gallop, but hind feet land & push off side by side.

- Faster than a hop w/ greater distance bet. front and hind feet.

Bound

<u>Hop</u> – Hop – Hop!





Tracking Terminology

Bound - Similar to gallop, but hind feet land & push off side by side.

- Faster than a hop w/ greater distance bet. front and hind feet.

Bound

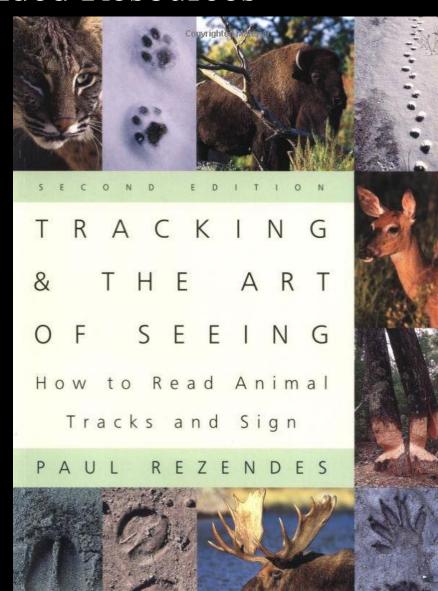
<u>Hop</u> – Hop – Hop!

Ok, So what now?...

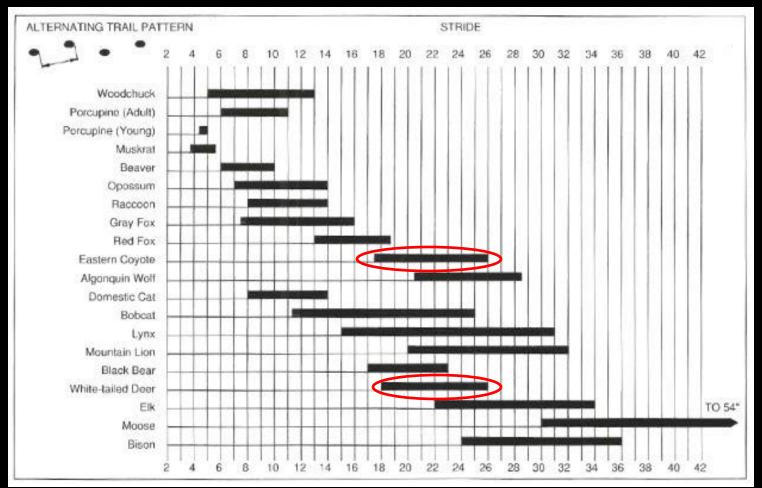




- Excellent photos and diagrams.
- Clear, concise descriptions of gaits and track patterns.
- ➢ Great natural history information.
- Get the 2nd edition which includes track and trail dimension quick reference charts.

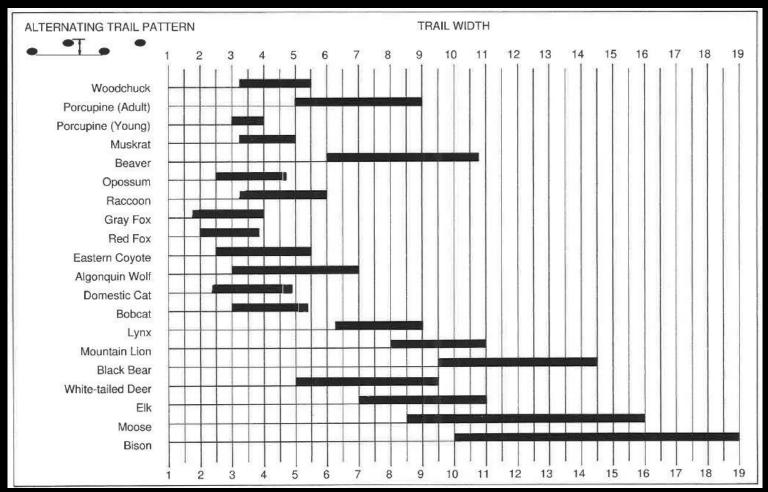


Tracking & the Art of Seeing: How to Read Animal Tracks and Sign, by Paul Rezendes



Stride

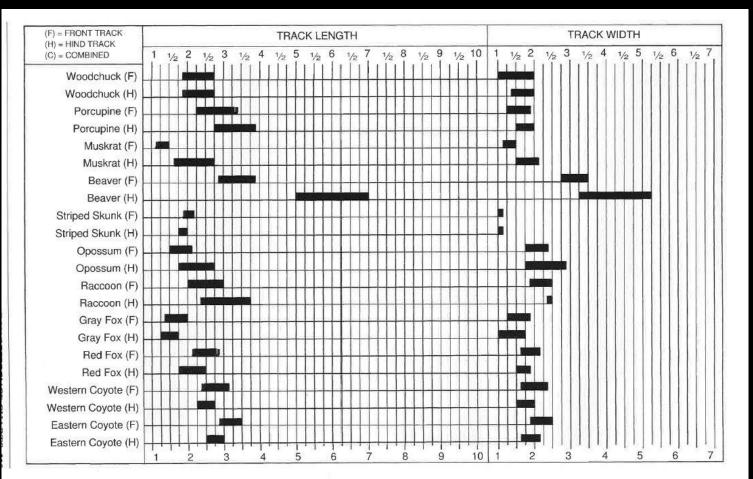
Tracking & the Art of Seeing: How to Read Animal Tracks and Sign, by Paul Rezendes



Straddle

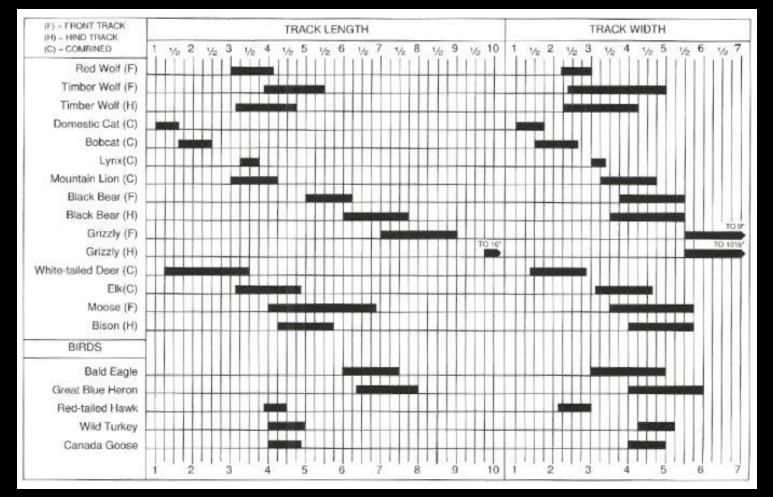
Tracking & the Art of Seeing: How to Read Animal Tracks and Sign, by Paul Rezendes

Track Dimensions

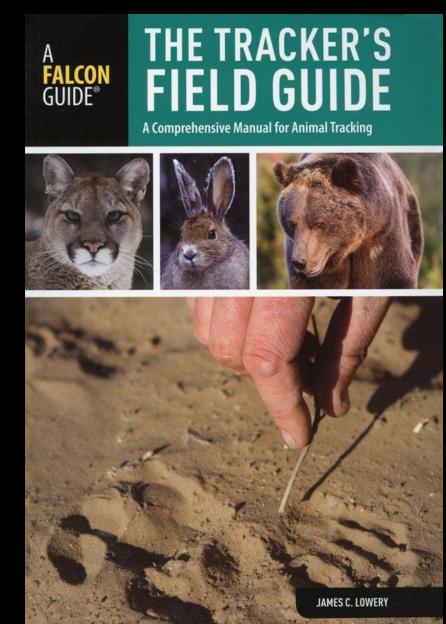


Tracking & the Art of Seeing: How to Read Animal Tracks and Sign, by Paul Rezendes

Track Dimensions

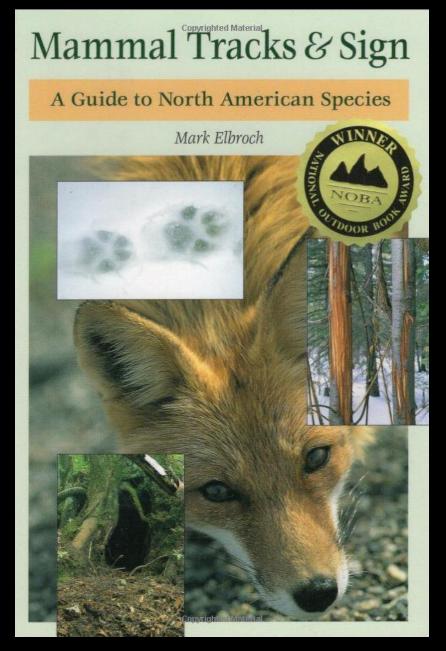


- Outstanding for tips on how to improve your trail interpretation skills.
- Very clear, easily understood descriptions of various gaits and associated track patterns.
- Excellent photos, print illustrations.
- ➢ Nice track summary charts.
- See Jim's webpage for additional free tracking articles at: www.earthskills.com



Comprehensive!

- Fantastic section on gaits with multiple diagrams and clear descriptions changes in modes of locomotion and the resulting trail patterns.
- More excellent track and trail photos and descriptions to learn from.
- Nice den and other sign descriptions and photos.



Free!

General Technical Report PSW-GTR-157 Pacific Southwest Research Station ***See Chapter 5: Snow Tracking

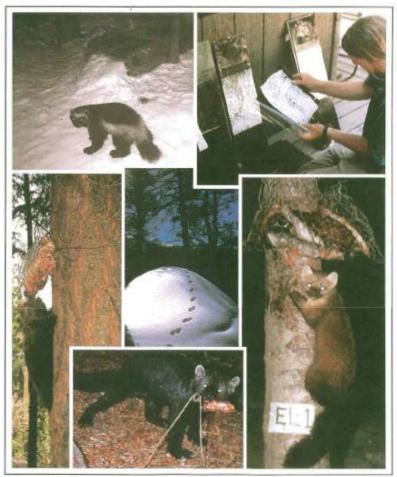
- ➢ Gaits & Technical Terminology
- Good, basic diagrams & photos illustrating changes in speed and foot placement.
- Collaboratively written by many popular tracking experts.
- Additional photos of carnivore spp.
- ➢ Info on photo-documentation.
- Snow tracking protocol info.



American Marten, Fisher, Lynx, and Wolverine: Survey Methods for Their Detection



William J. Zielinski Thomas E. Kucera





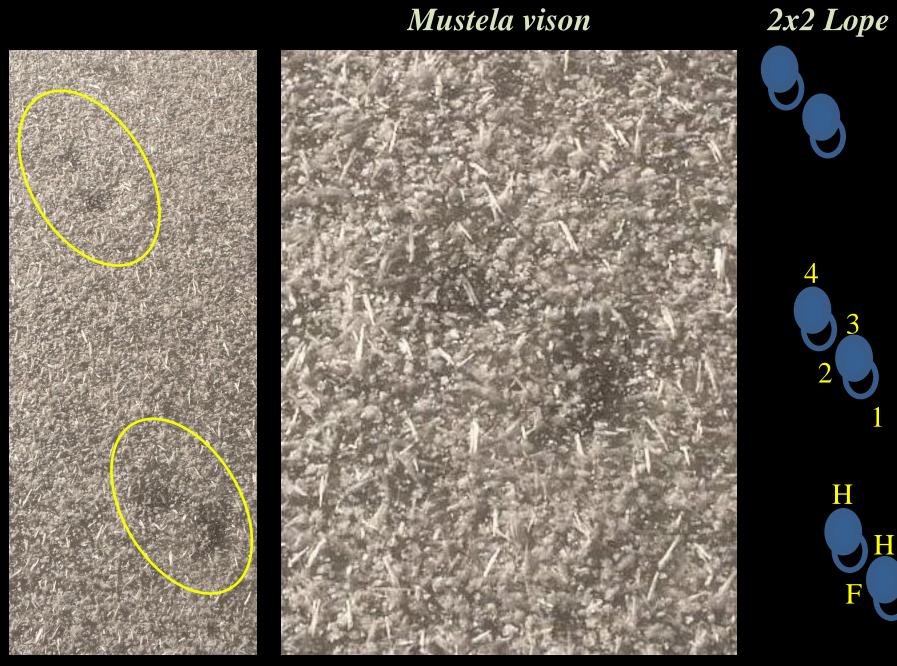


Red fox, Vulpes vulpes, direct register walk.

Kiwasa Lake, Saranac Lake, NY March, 2008



Mustela vison



F

