







Scatology Formula

Family	Shape	Color	Size	Notes
Cat		brown, black, grey and white	Bobcat 3"x3/4" Mt Lion 4"x 1"	will cover scat, located in or around high ground and scent post, usually without crushed bones, hair found in scat
Dog		white, grey, brown, black	Gray Fox 2x 5/8 Coyote 3 x 3/4	bone fragments, hair, used as territorial markings, intersections of trails
Deer		brown, black, dark greenish	3/8	found in clumps
Rabbit		brownish green	3/8	around beds and feeding areas
Raccoon		black, brown, red white	3x3/4	base of home tree, along travel routes
Weasel		black, brown, dark green	LongTail 1 1/2 x 3/16 Skunk 4x 3/4	feeding areas travel routes

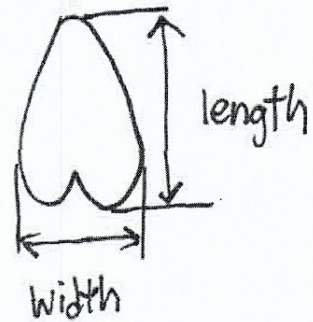
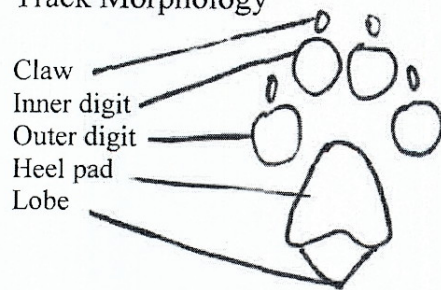
Under Step Walk 	Straddle Walk (Opossum)
Direct Register Walk 	2X2 Walk (Raccoon)
Over Step Walk 	2 Bound (Weasels)
Under Step Trot 	3 Bound (Skunks)
Direct Register Trot 	Side Trot
Over Step Trot 	Straddle Trot
Transverse Lope 	Angled Jump (Rabbits)
Transverse Gallop 	Paired Jump (Squirrels)
Rotary Gallop 	Pronk (Mule Deer/Pronghorn)

Direction of Travel →

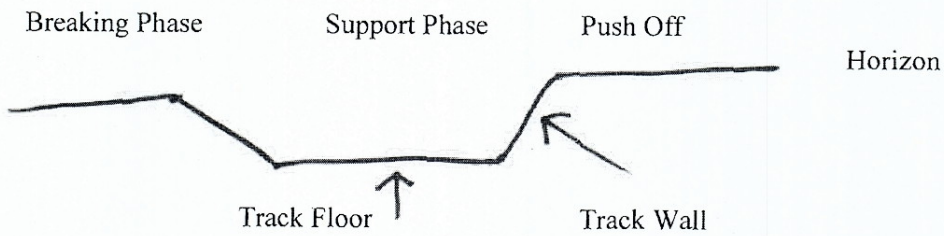
○ = Front Foot

● = Hind Foot

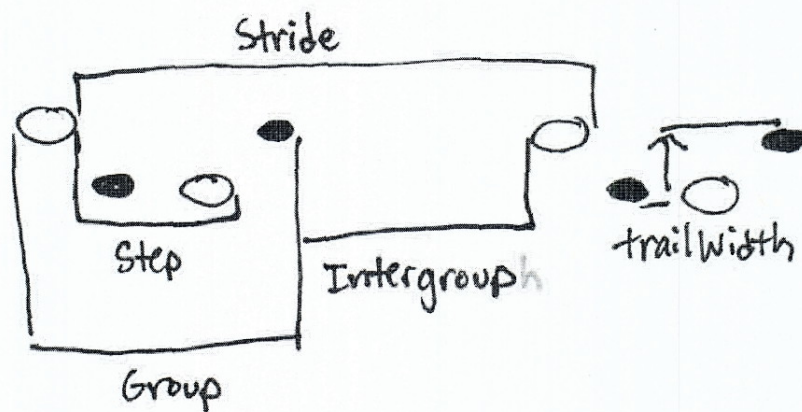
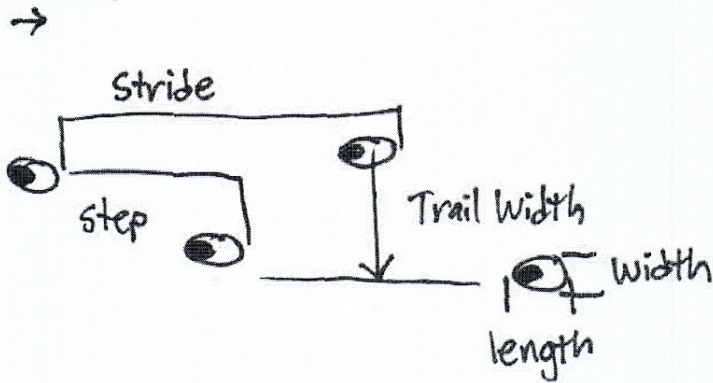
Track Morphology





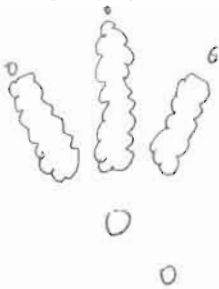
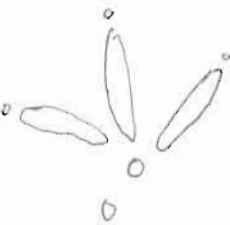
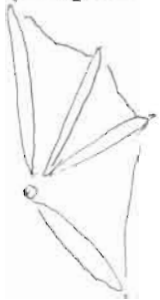
Three Phases to Creating a Track







Measurements




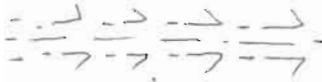
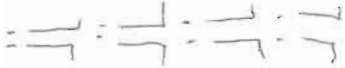
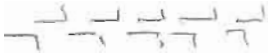


Bird Tracks

Anisodactyl	Zygodactyl	Shore Birds Game Birds	Palmate	Totipalmate
				

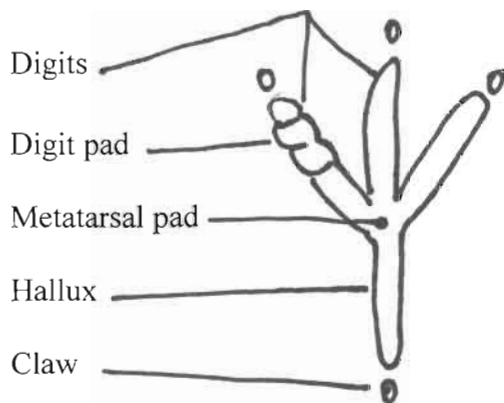
Gaits

Walking	Running
	
Hopping	Skipping
	

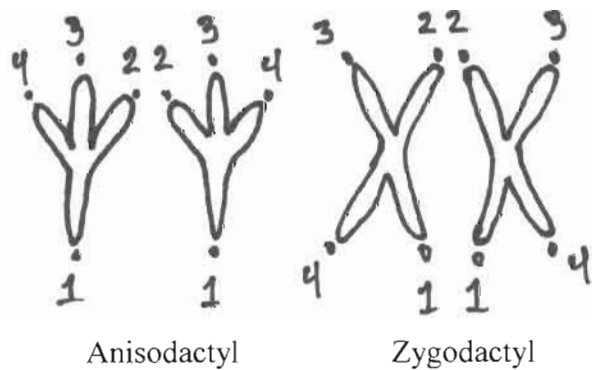
Snake	Lizard	Land Turtle
		
Cricket	Grasshopper	Beetle
		

Birds

Bird Foot Morphology



Digit Formula



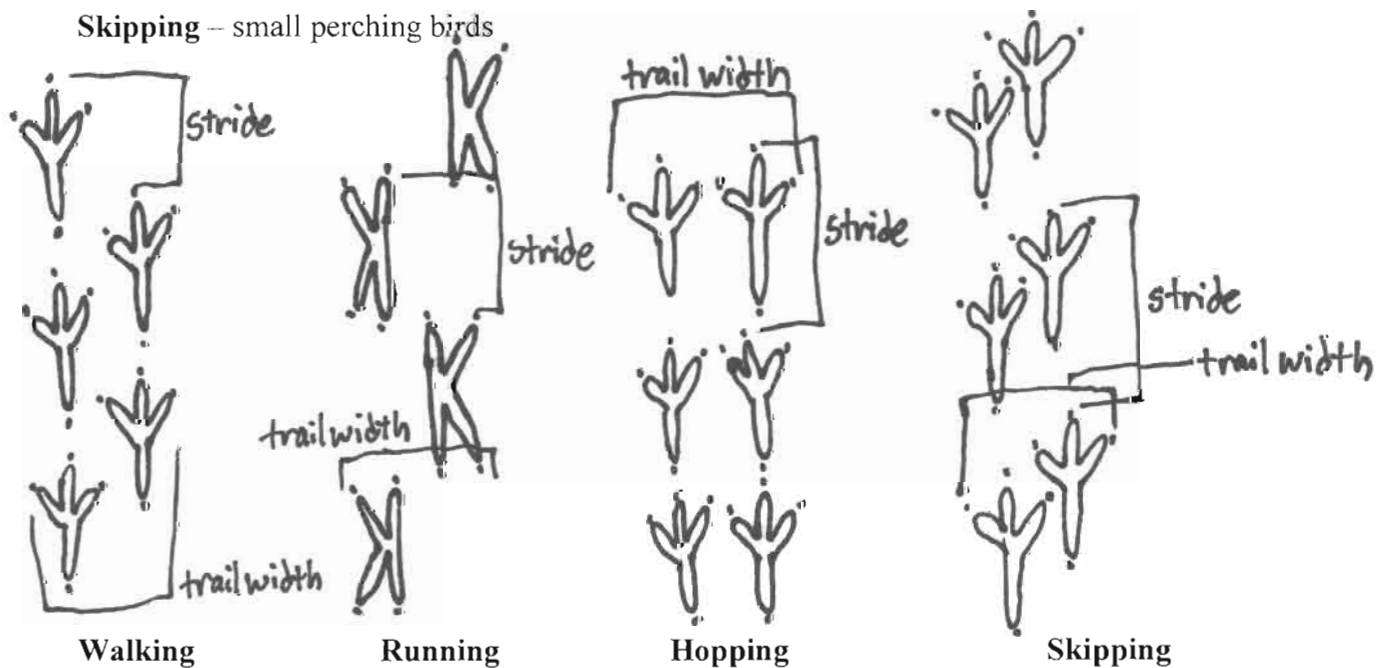
Gaits

Walking – ducks, wading birds, gulls, grouse, quail, most raptors, crows, ravens, pipits, Magpies

Running – robins, shore birds, waders

Hopping – juncos, finches

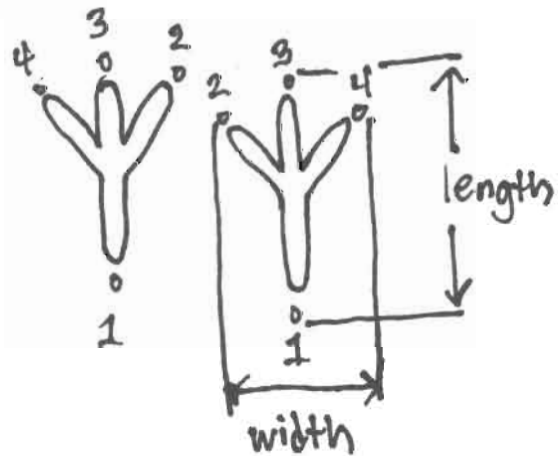
Skipping – small perching birds



Classic Bird Tracks

Anisodactyl (different feet)

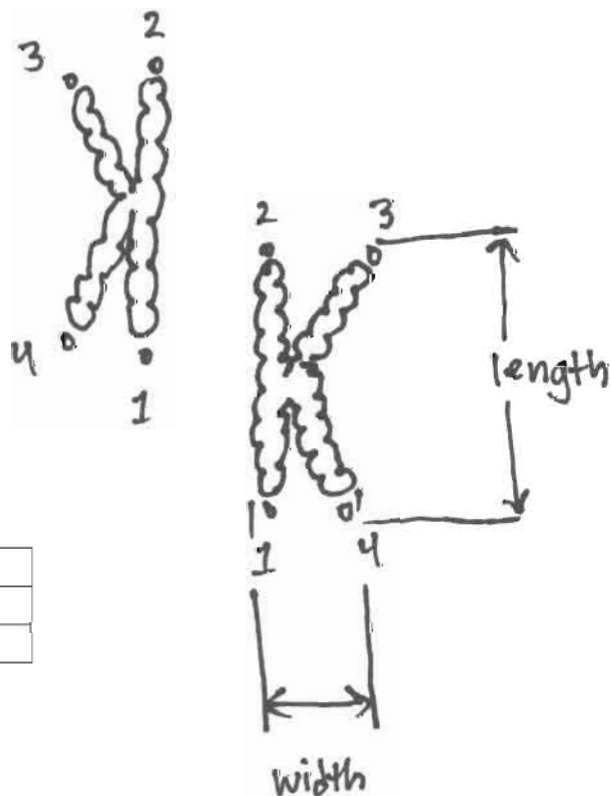
- measure with claws !!!



Families

Bitterns	finches	larks	shrikes	vultures
cardinals	flycatchers	magpies	sparrows	warblers
cowbirds	grackles	meadowlarks	starlings	waxwings
creepers	hawks	mimics	swallows	wrens
crows	herons	moorhens	tanagers	
dippers	ibises	nutcrackers	thrashers	
doves	jays	nuthatches	thrushes	
eagles	kingfishers	orioles	titmice	
egrets	kinglets	pipits	towhees	
falcons	larks	ravens	vireos	

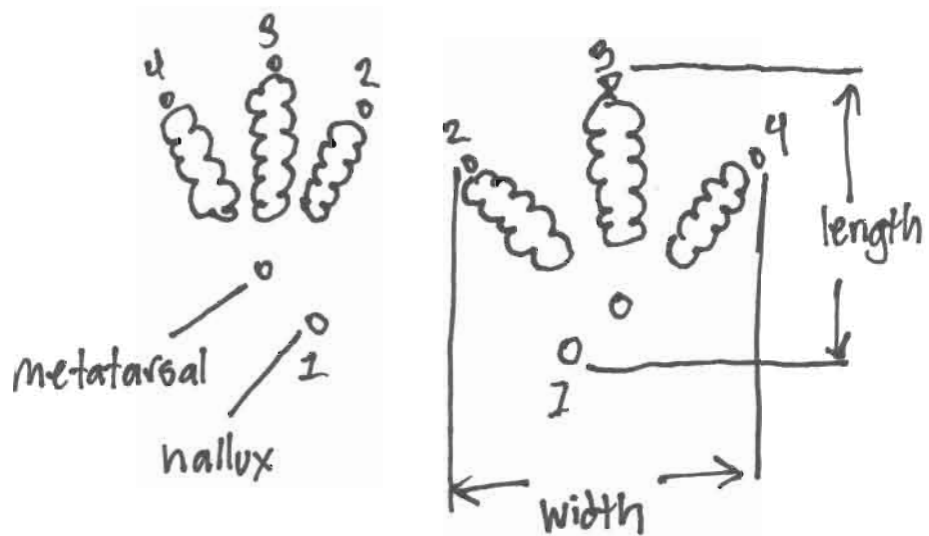
Zygodactyl (same feet)



Families:

Cuckoo	Owls
Parrots	woodpeckers
Osprey	

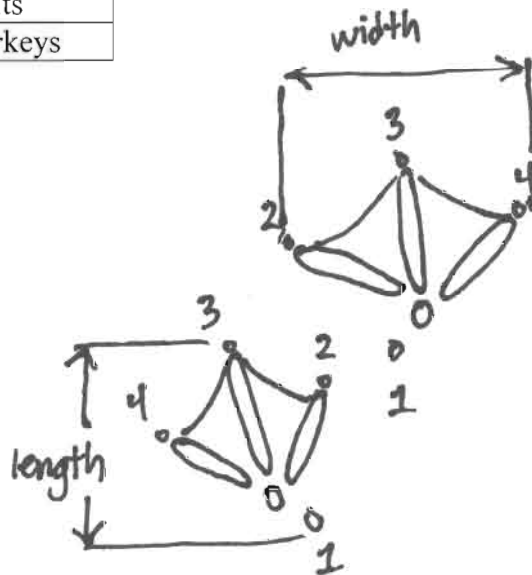
Game Birds



Families:

Coots	Phalaropes	Ptarmigan	Sandpipers
Cranes	Pheasants	Quail	Stilts
Grouse	Plovers	Rails	Turkeys

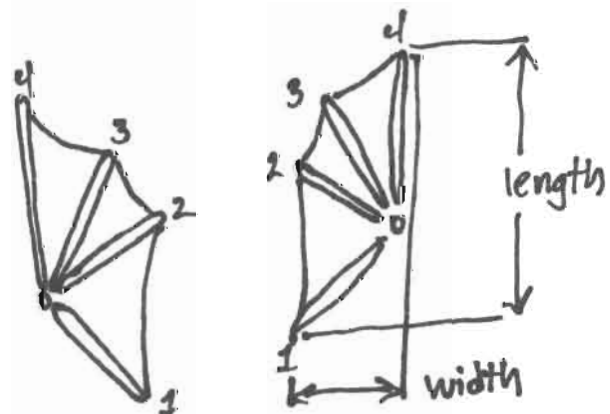
Palmate (webbed) Tracks



Families:

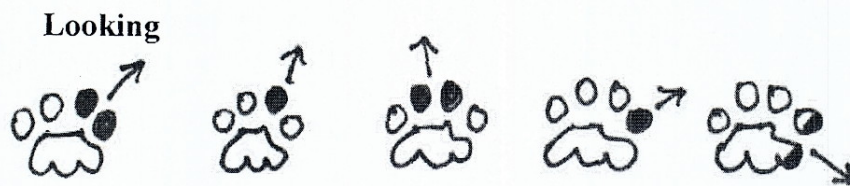
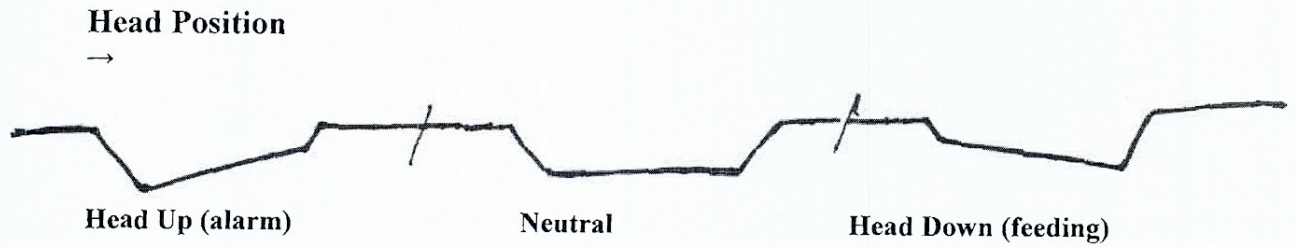
Avocets	Geese	Loons	Terns
Ducks	Gulls	Swans	

Totipalmate



Families:

Boobies	Cormorants	Gannets	Pelicans
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Dominance- Right or Left tendencies










- 1) Dominant foot is slightly larger
- 2) Measure Strides
 - a. Side with the larger side = opposite foot dominant
Larger left stride = right foot dominant

Sexing

- 1) Male – bolder, more robust tracks tend to be male
- 2) Hips vs shoulder
Wide shoulders = male
Wide hips = female



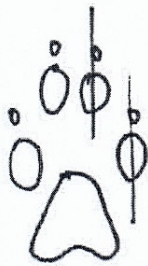
O = front ● = hind

# Front Toes	# Hind Toes	Claws	Compression Shape	Family	Common Gait
4	4	No Claws		Cat	Walk
4	4	Claws		Dog	Walk / Trot
4	4	Claws Rarely		Rabbit	Angled Jump
5	5	Claws Occasionally		Weasel	Bound
4	5	Claws Rarely		Rodent	Bound / Paired- Jump
2	3	Claws		Armadillo	Walk
5	5	Claws Occasionally		Opossum	Walk (straddle)
5	5	Claws Occasionally		Raccoon	2X2 Walk
2	2	No Claws		Deer	Walk

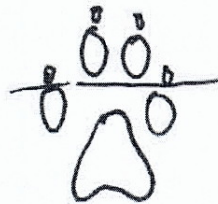
Coyote Vs Dog Tracks

Coyote

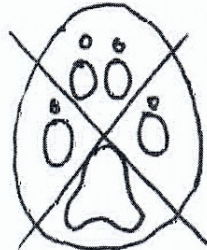
Straight in line toes
(sharp claws)



Line Between Toes



"X factor"
(Oval Shape)



Grey Fox Broken "H"

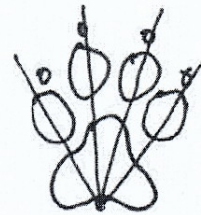


Red Fox heel bar

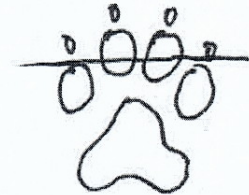


Dog

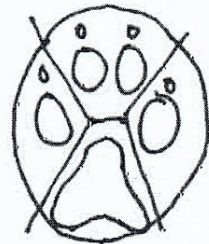
Toes pointing out
(Bold Claws)



Line Cross Toes



Broken "H"
(Rounder Shape)



CAT

Lead toe, two lobes, "C"
ridge, round shape, no claws

