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8/7/16



9/10/20

Red-necked Phalarope
at Hornsby



9/13/23



REFERENCE BIRDS



Lesser Yellowlegs



Killdeer

Photo by Jeffrey E. Patterson

REFERENCE BIRDS

Lesser
Yellowlegs



Photo by Jeffrey E. Patterson

REFERENCE BIRDS

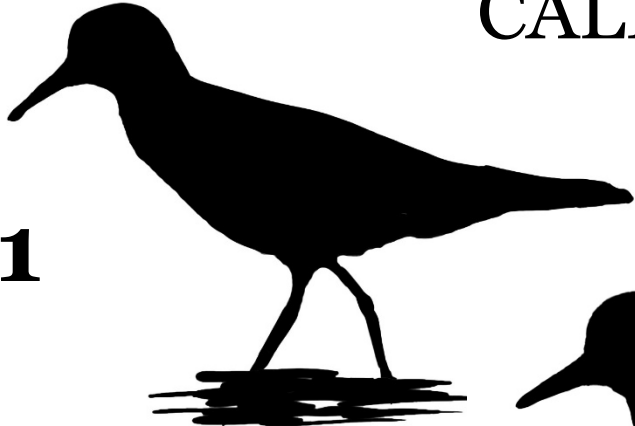


Least

Photo by Jeffrey E. Patterson

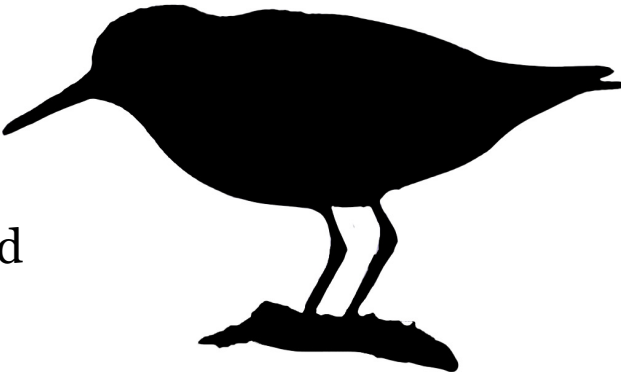
ID GROUP 4
CALIDRIS PEEPS

White-rumped

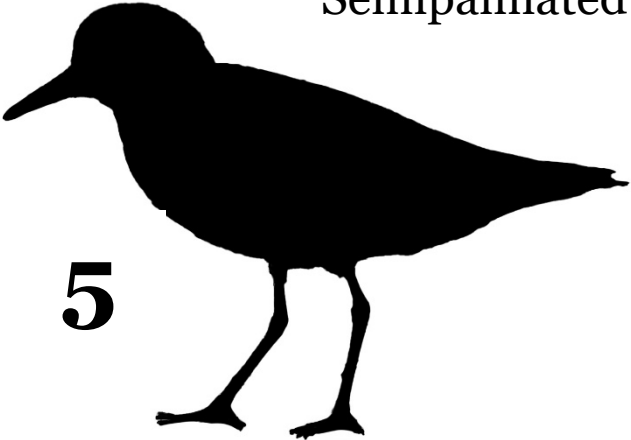


Western

2

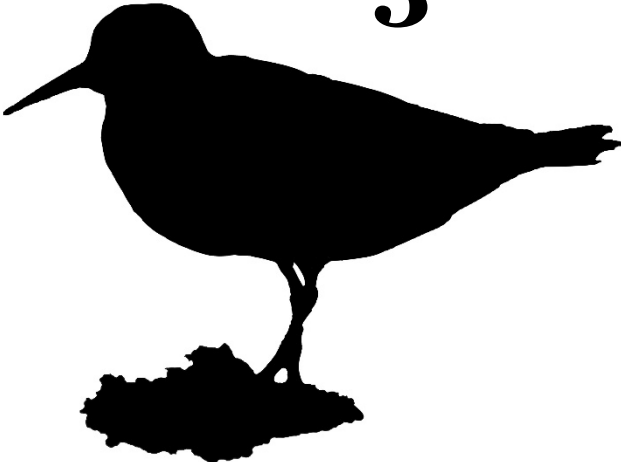


Semipalmated



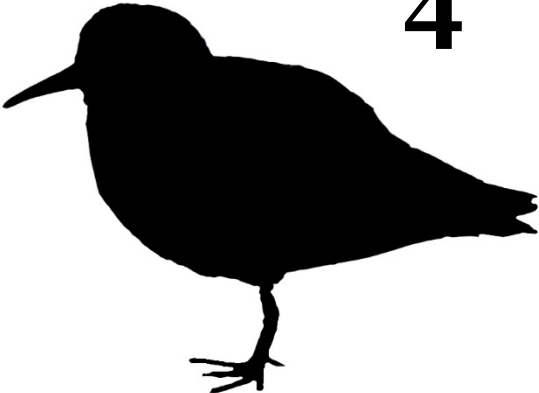
Baird's

3



Least

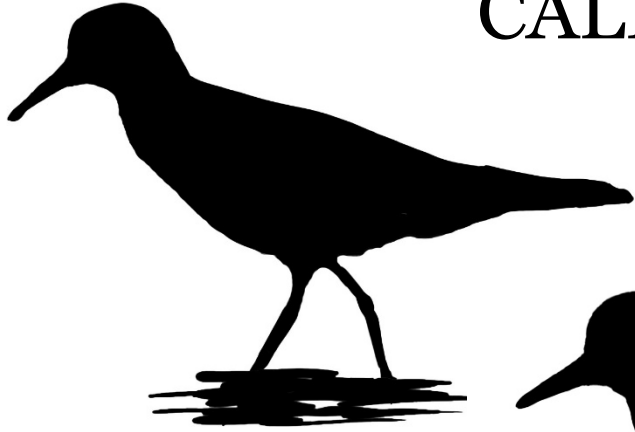
4



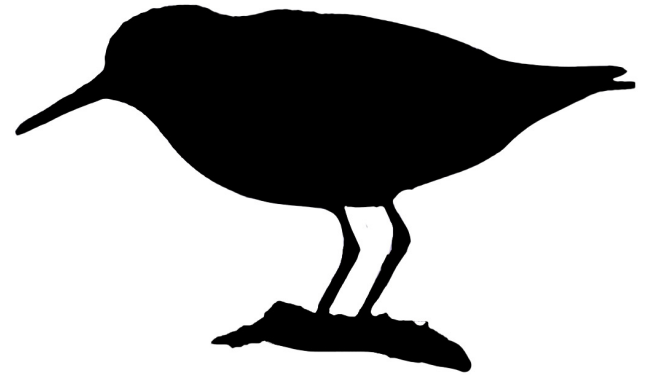
How many
calidris
peeps are
there?

ID GROUP 4
CALIDRIS PEEPS

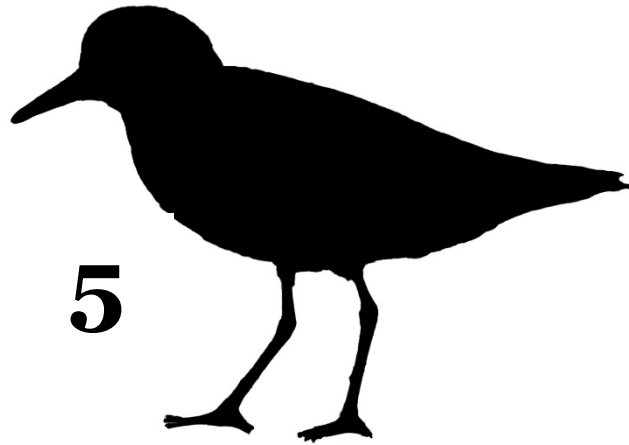
1



2

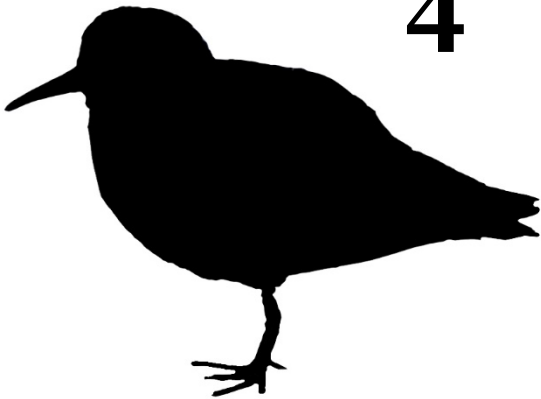


5

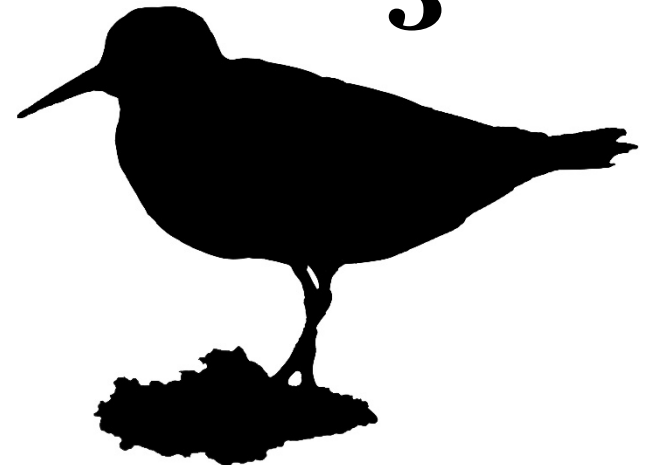


Which of these
peeps has long
wings?

4

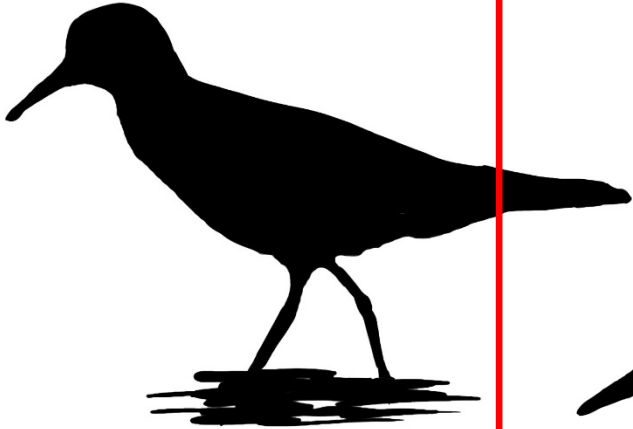


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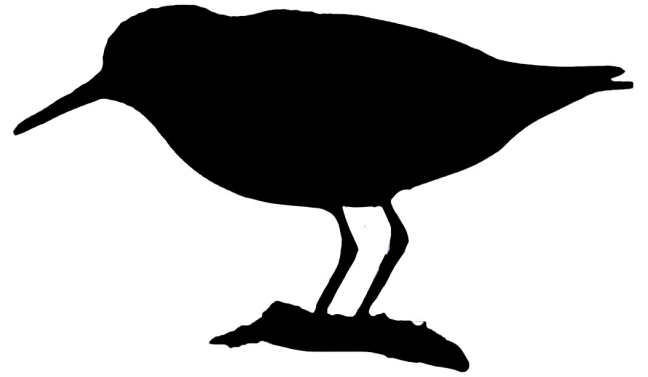
CALIDRIS PEEPS

1

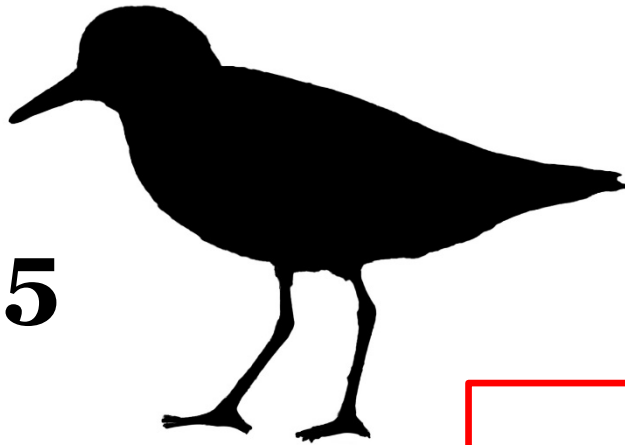


Long-winged

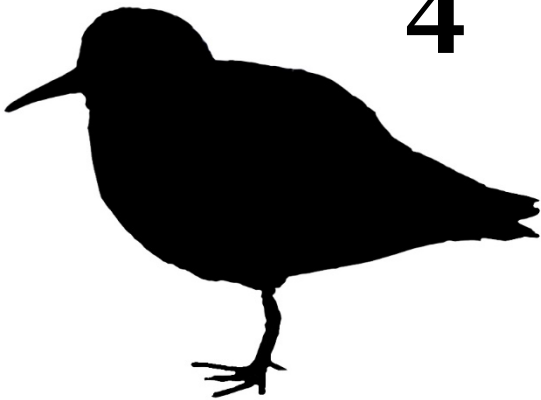
2



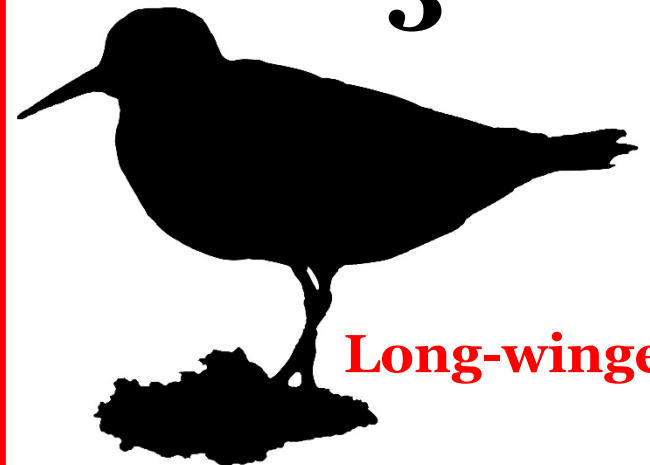
5



4



3



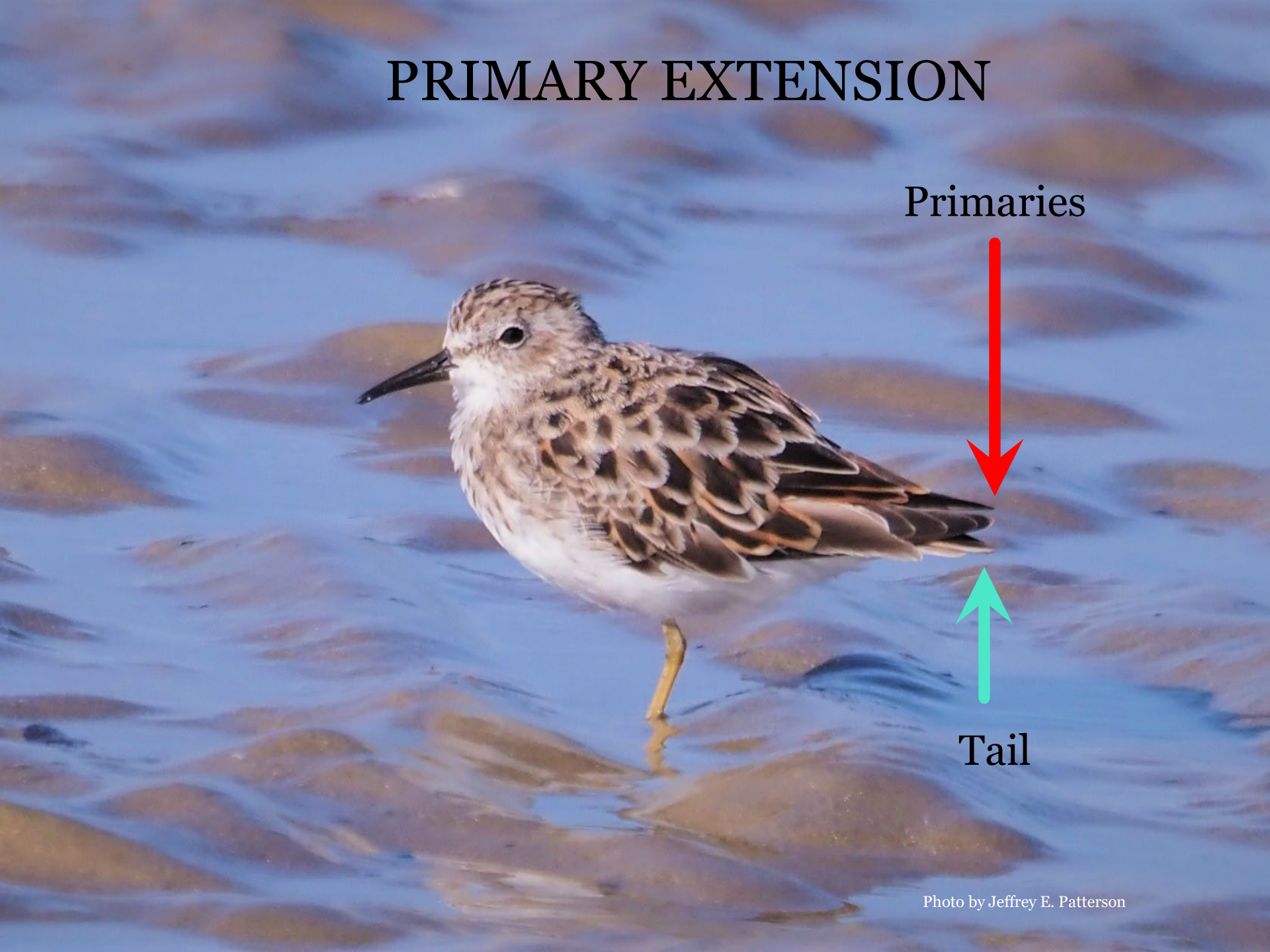
Long-winged

PRIMARY EXTENSION

Primaries



Tail



PRIMARY EXTENSION

Primaries

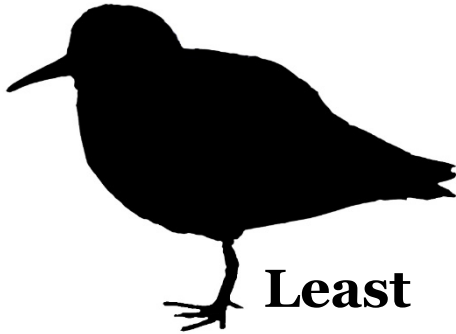


Tail

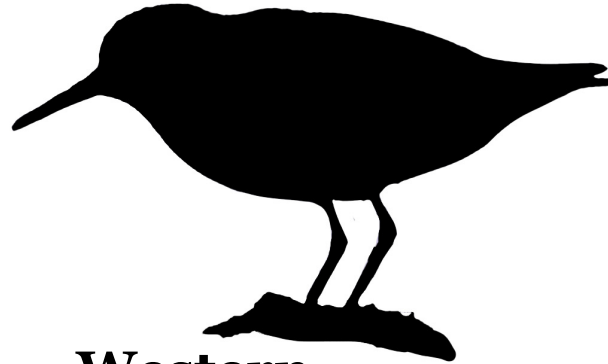


CALIDRIS PEEPS

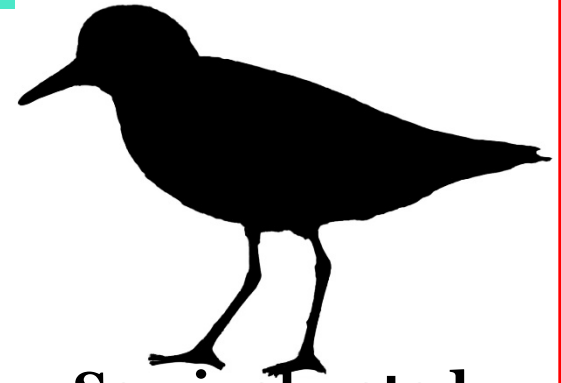
Short-winged



Least



Western

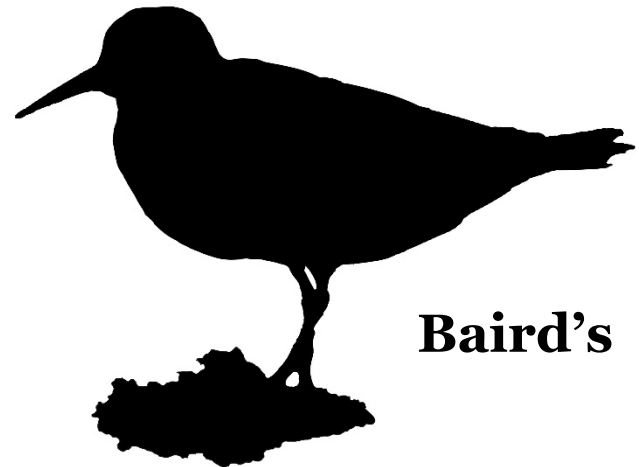


Semipalmated

Long-winged



White-rumped

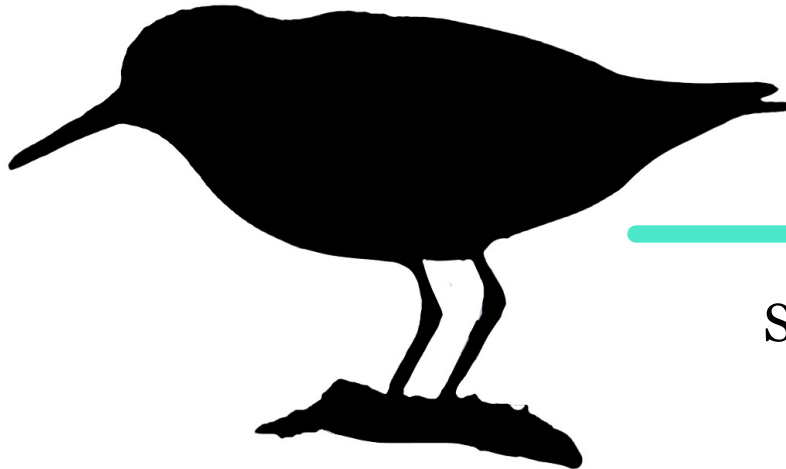
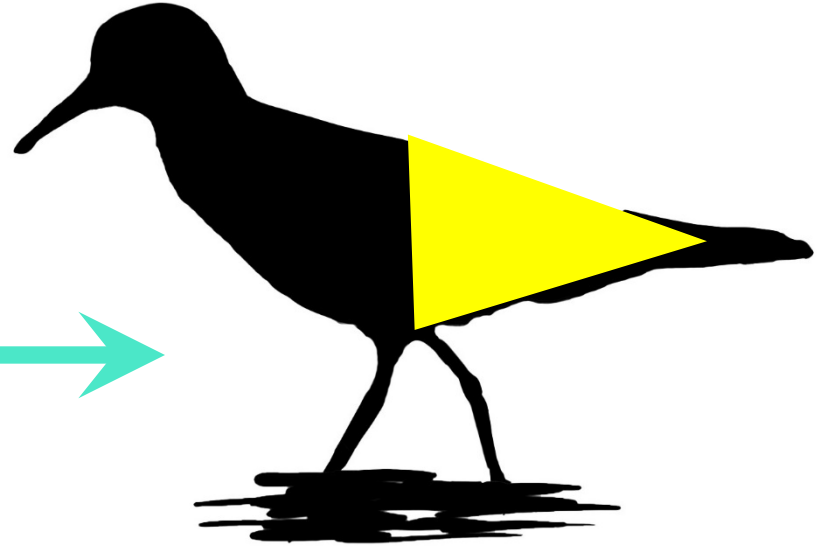
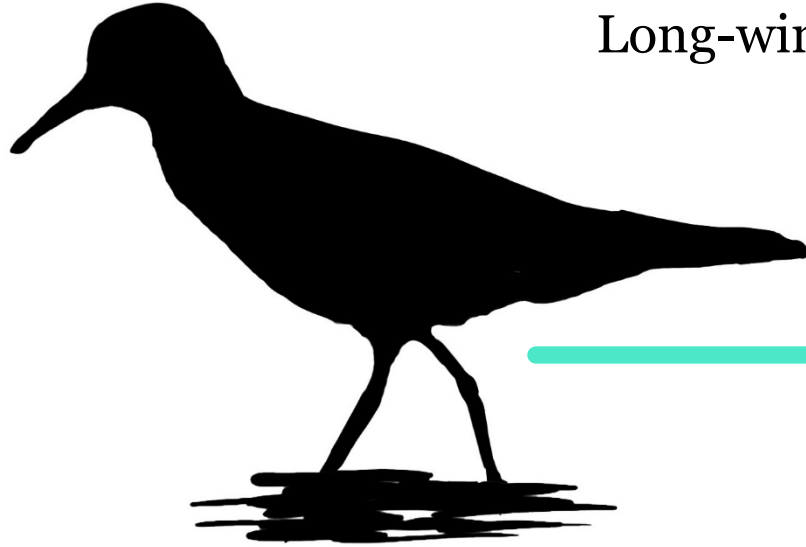


Baird's

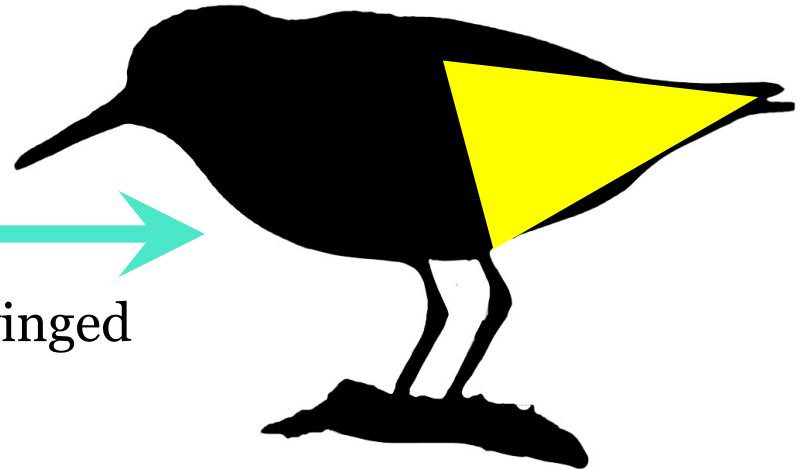
Proportions are different

CALIDRIS PEEPS

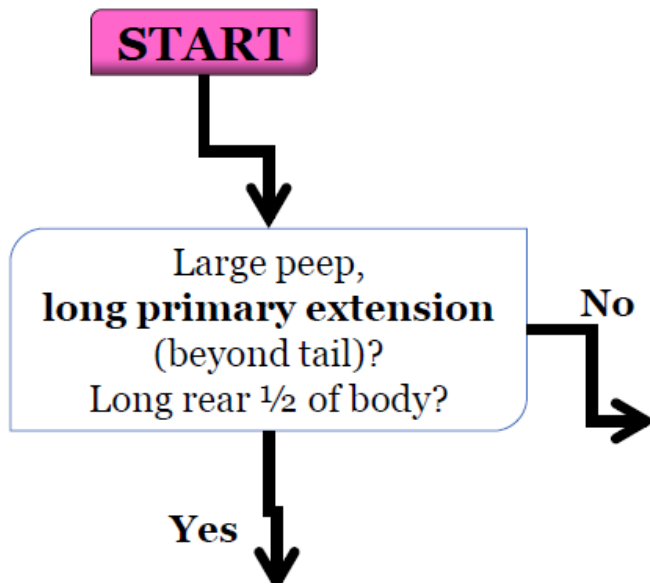
Long-winged



Short-winged



“Peeps”



1



CALIDRIS PEEPS

2



5



Which one has yellow legs?

4



3

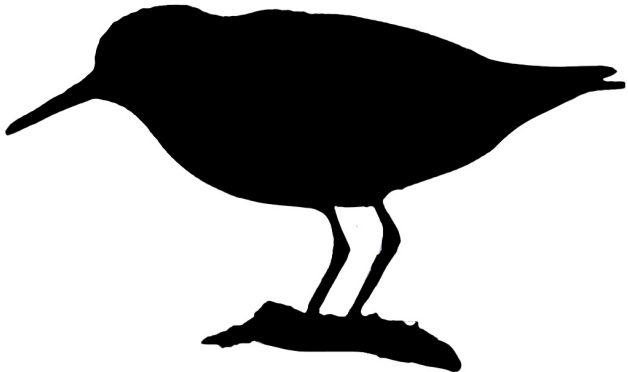


ID GROUP 4
CALIDRIS PEEPS

1

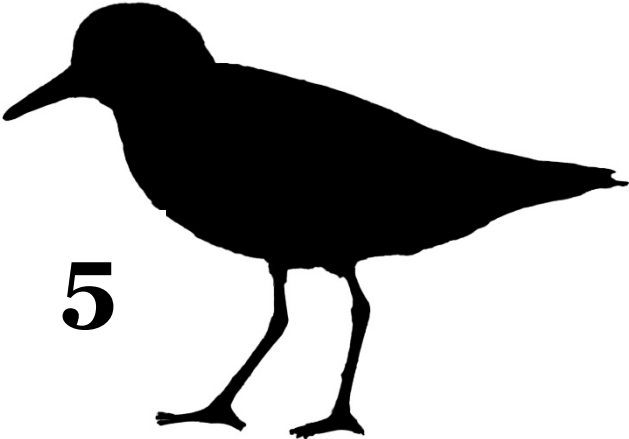


2

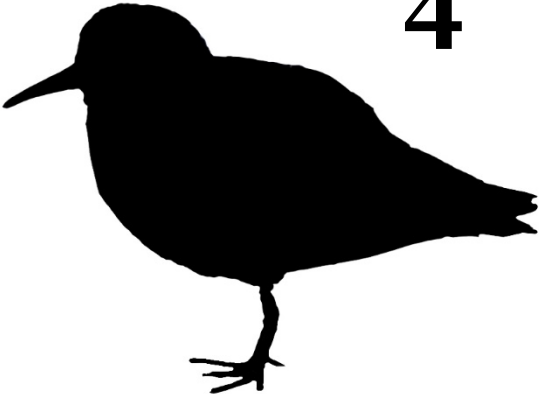


Which have
fine-tipped bills?

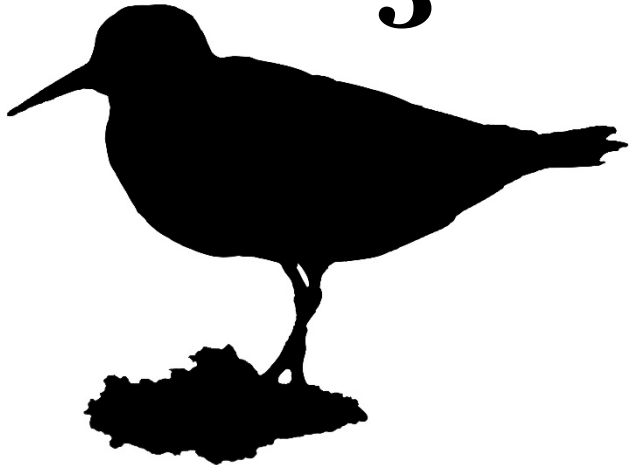
5



4

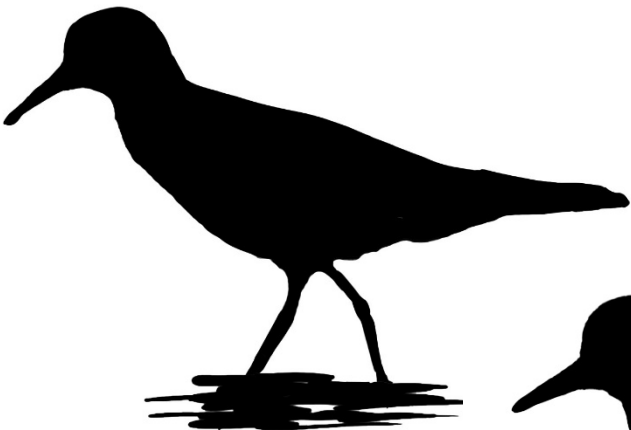


3

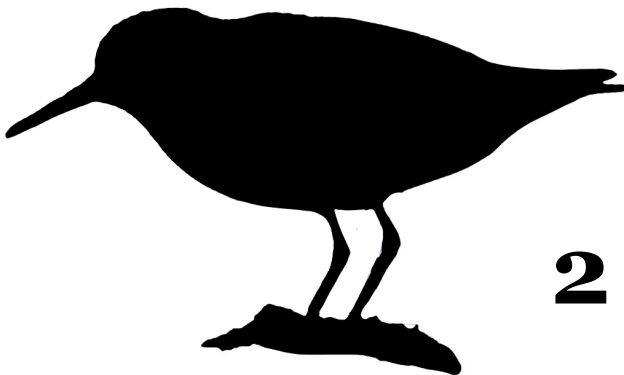


CALIDRIS PEEPS

1

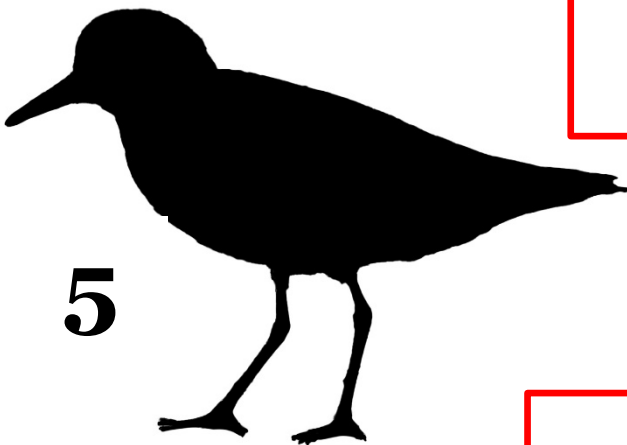


**Fine-tipped
(sometimes)**



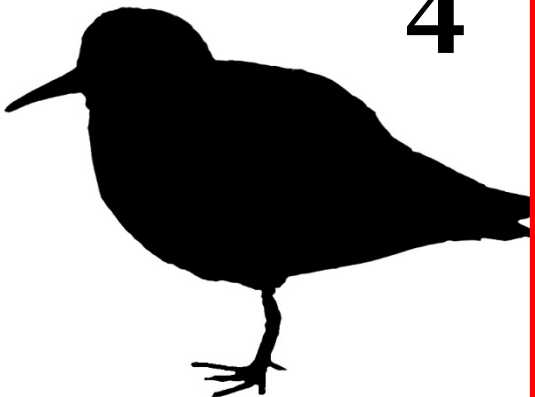
2

5

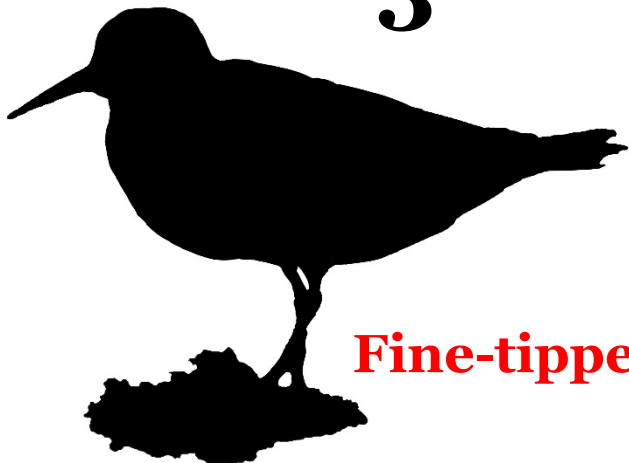


Fine-tipped

4



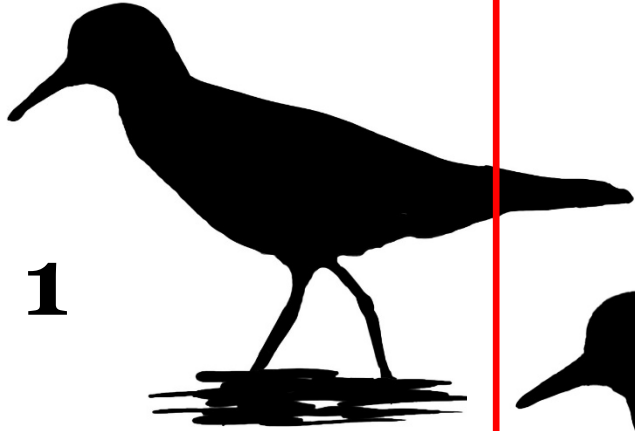
3



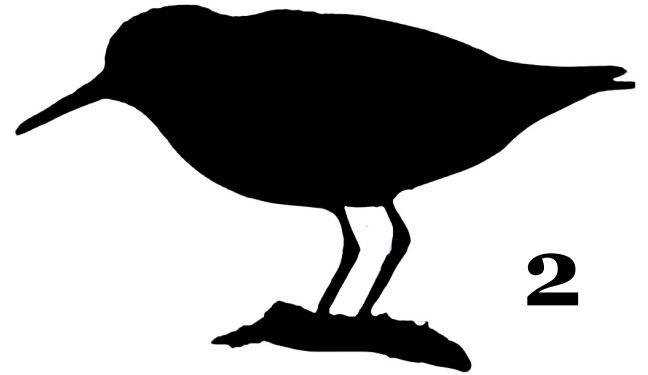
Fine-tipped

CALIDRIS PEEPS

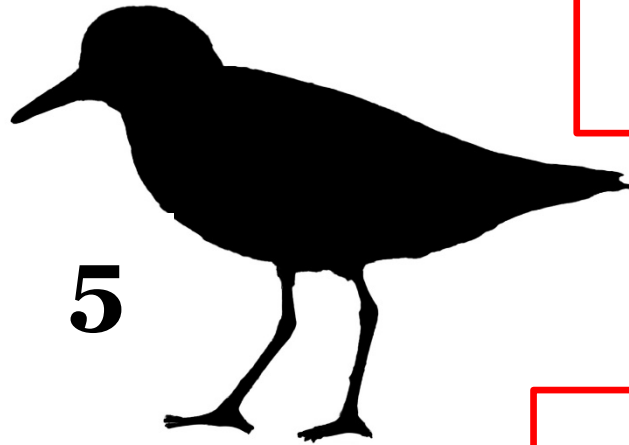
Down-turned



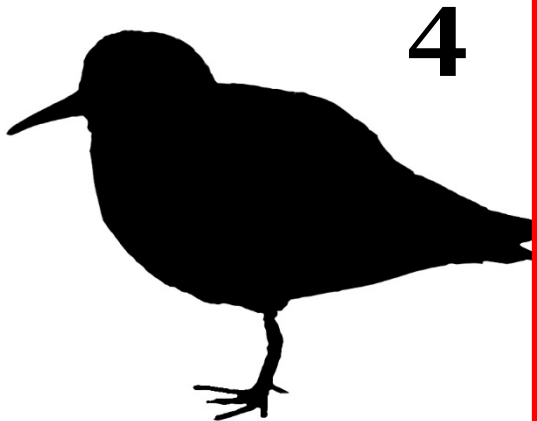
Down-turned



5

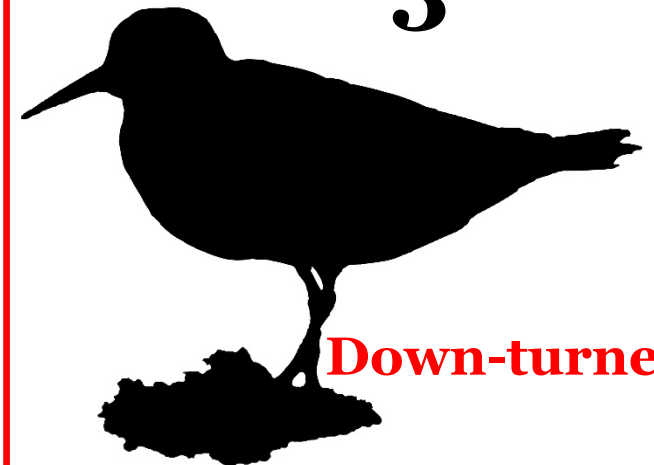


Down-turned



Which ones
have down-
turned bills?

3



1



CALIDRIS PEEPS

2



Which ones are more colorful?

Which ones are frostier?

5



4



Which ones are browner?

3



1



Colorful

CALIDRIS PEEPS

2



Colorful

5



Frosty

4



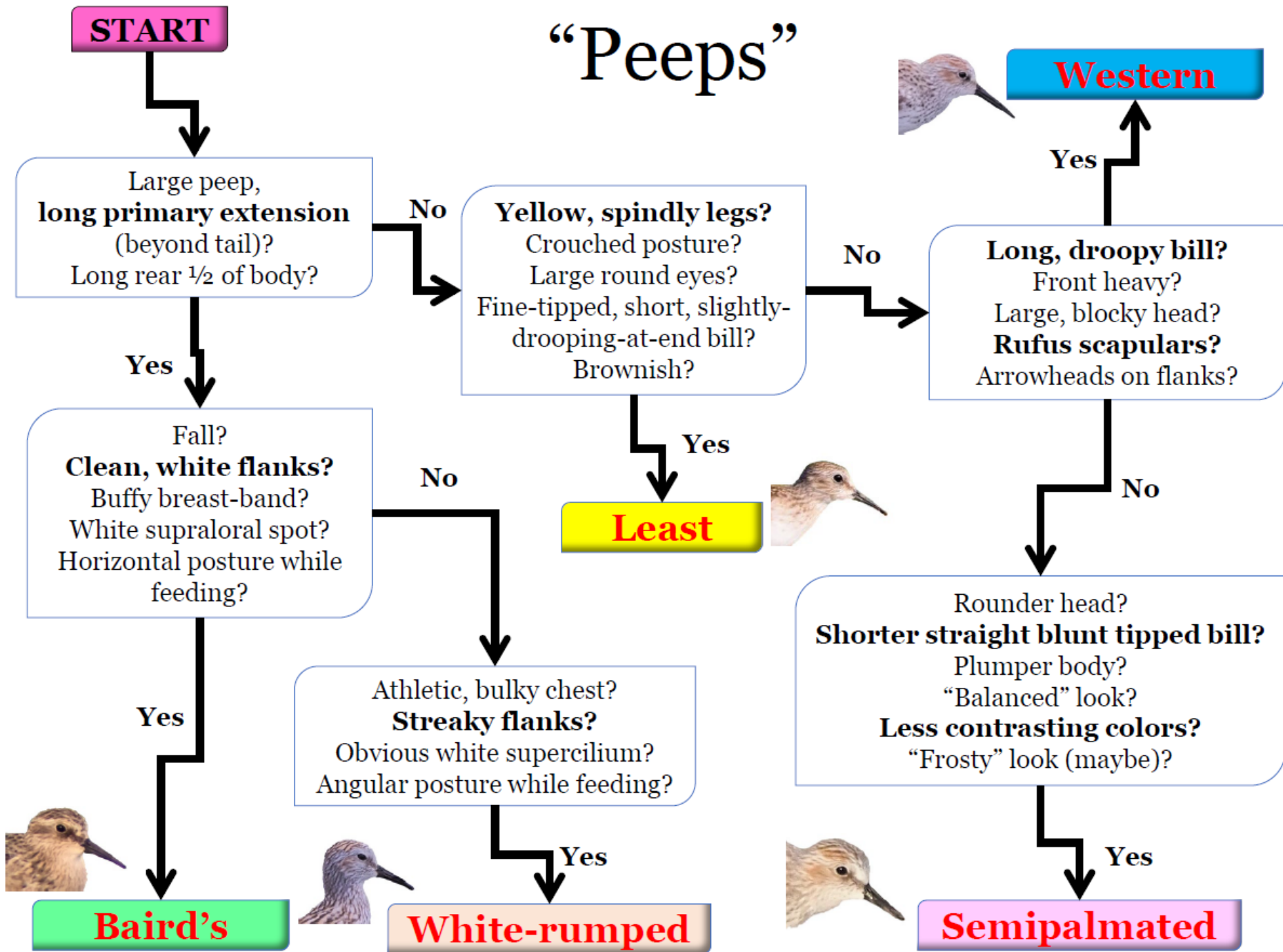
Brown

Brown



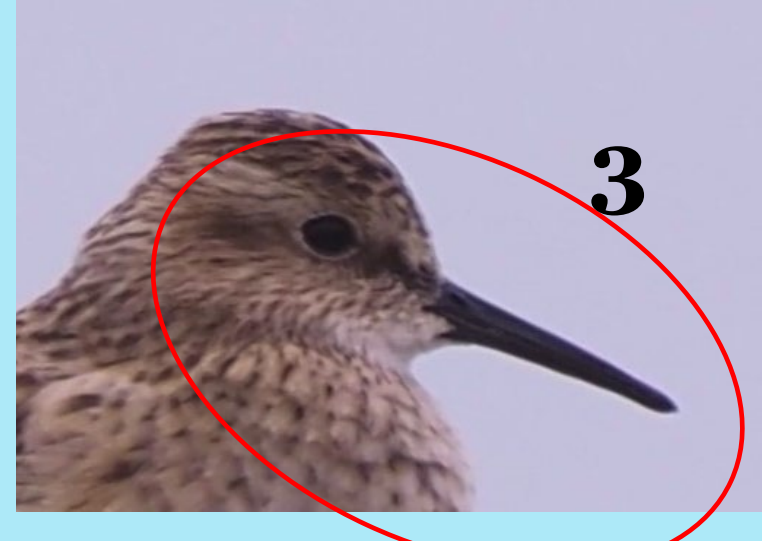
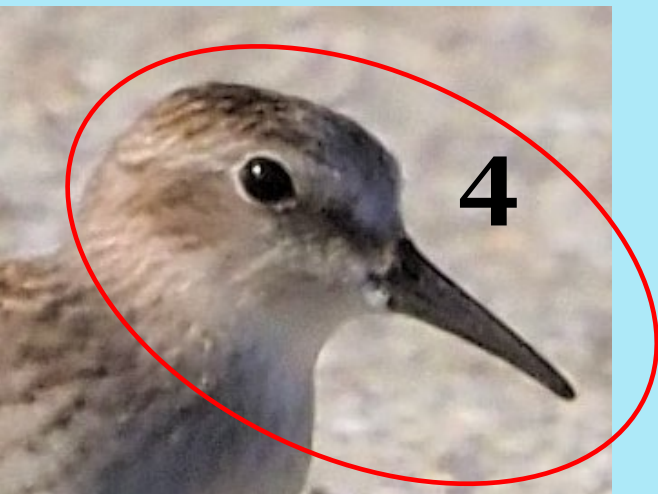
3

“Peeps”





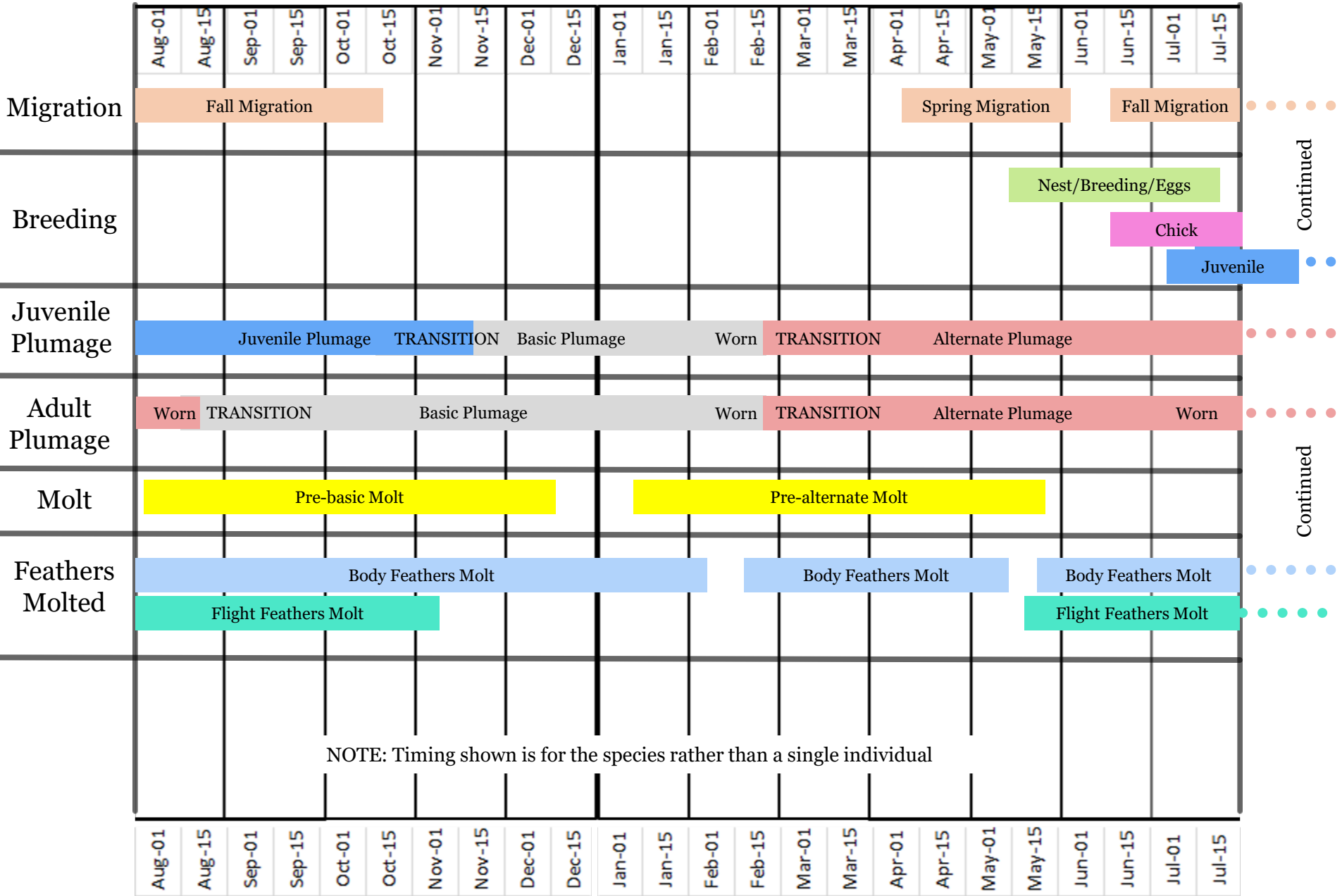
Which ones
have fine-
tipped bills?



PEEP DISTRIBUTION AT HORNSBY

- ▶ Least
 - ▶ Year round 90% of the shorebirds are Least
 - ▶ Almost always present
- ▶ Western
 - ▶ Moderate numbers in spring, fall and winter
- ▶ Semipalmated
 - ▶ Moderate numbers in spring and fall
 - ▶ None in winter
- ▶ Baird's
 - ▶ Small numbers in spring
 - ▶ Generally a few more in fall
- ▶ White-rumped
 - ▶ Small numbers in spring
 - ▶ Very, very rare in fall

Generic Sandpiper Annual Life Cycle



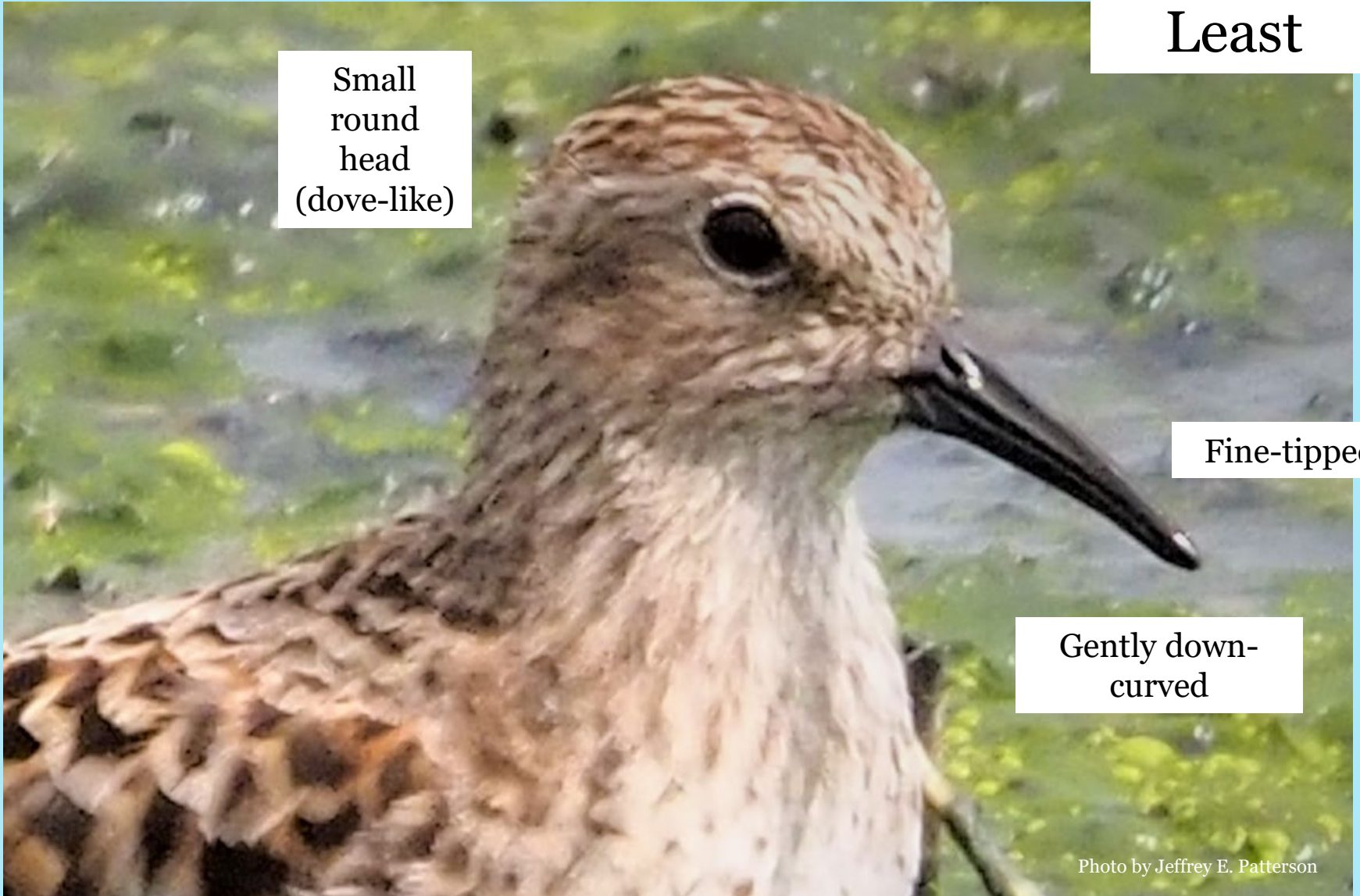
LEAST SANDPIPER

THE PEEP WITH DRY FEET

Population Estimate
700,000



THE BILL & HEAD



Small
round
head
(dove-like)

Least

Fine-tipped

Gently down-
curved

Photo by Jeffrey E. Patterson

Jan Feb Mar Apr May Jun Jul Aug **Sep** Oct Nov Dec

Small,
round
head

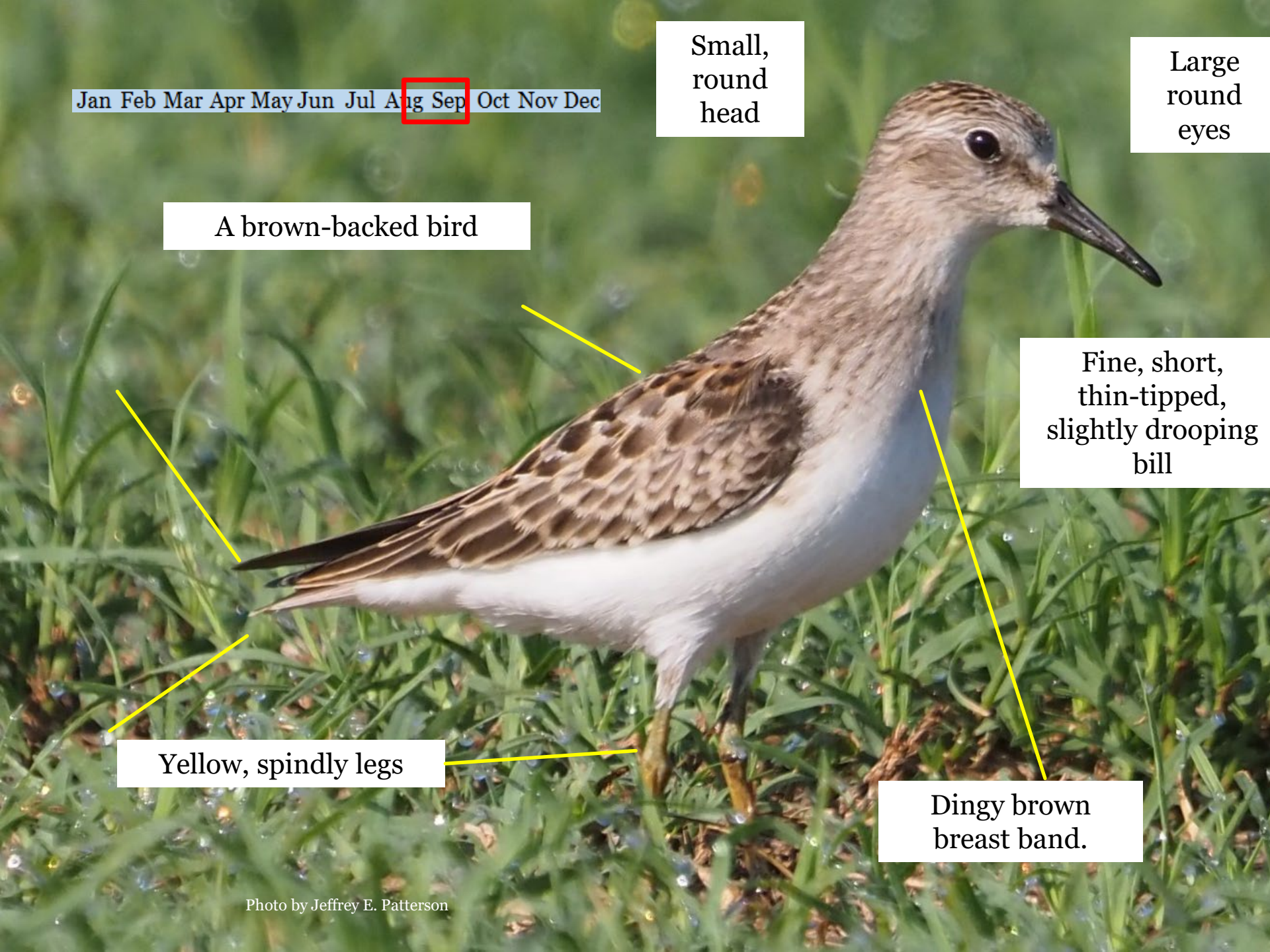
Large
round
eyes

A brown-backed bird

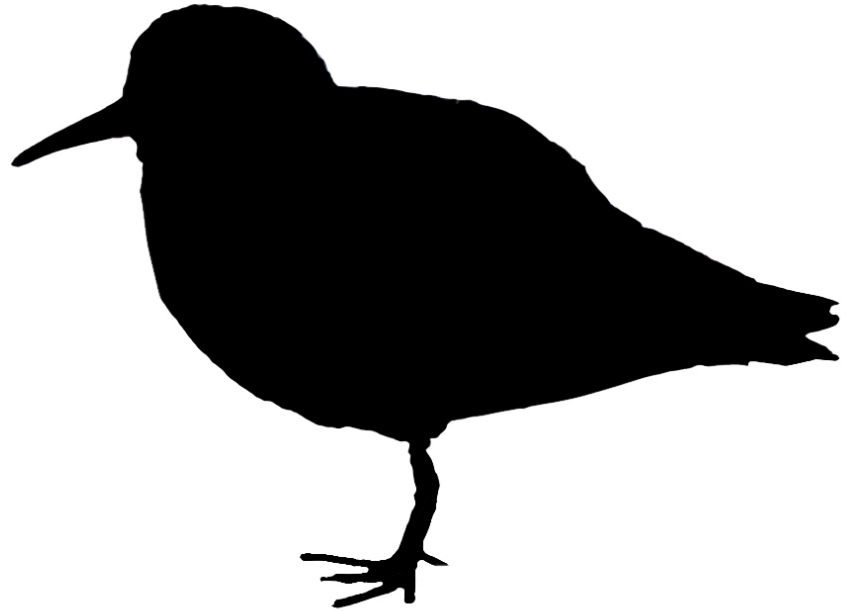
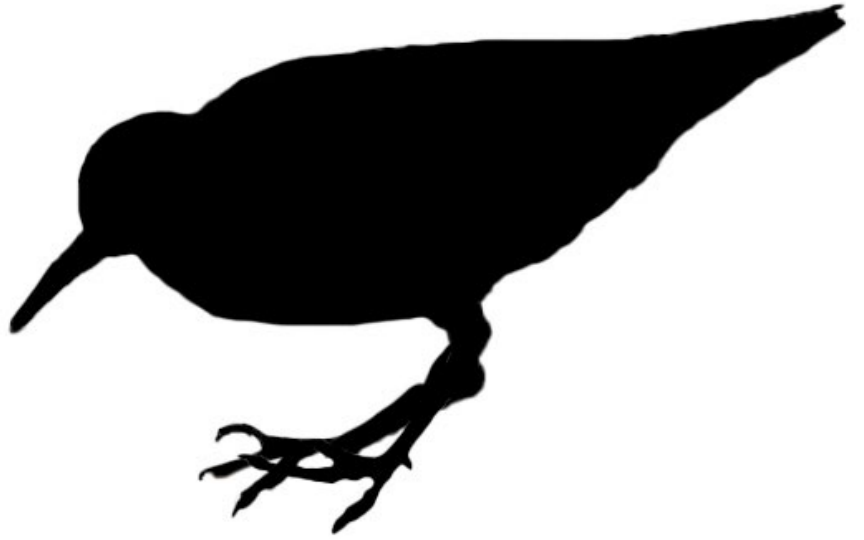
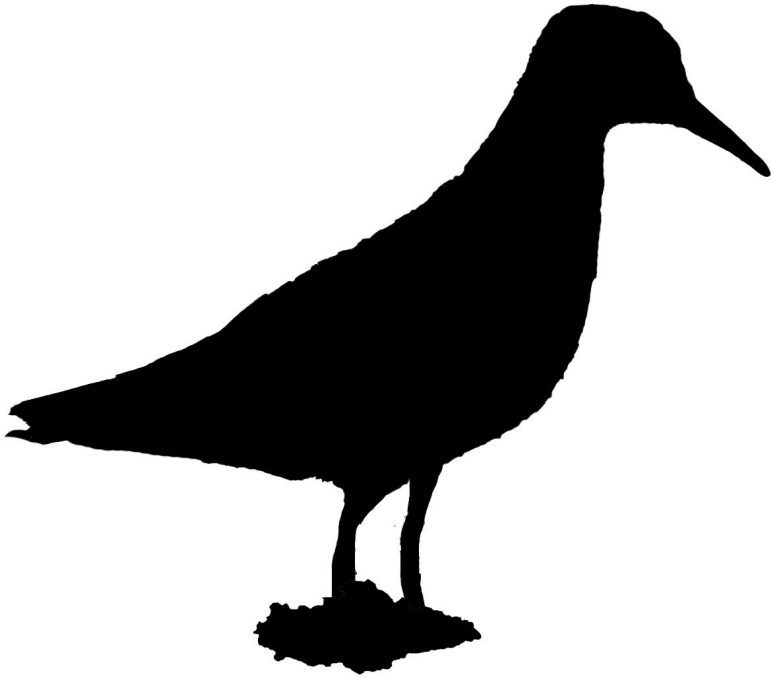
Fine, short,
thin-tipped,
slightly drooping
bill

Yellow, spindly legs

Dingy brown
breast band.



LEAST



Jan Feb Mar Apr May Jun Jul Aug Sep Oct **Nov** Dec

Warm brown

Grayer brown

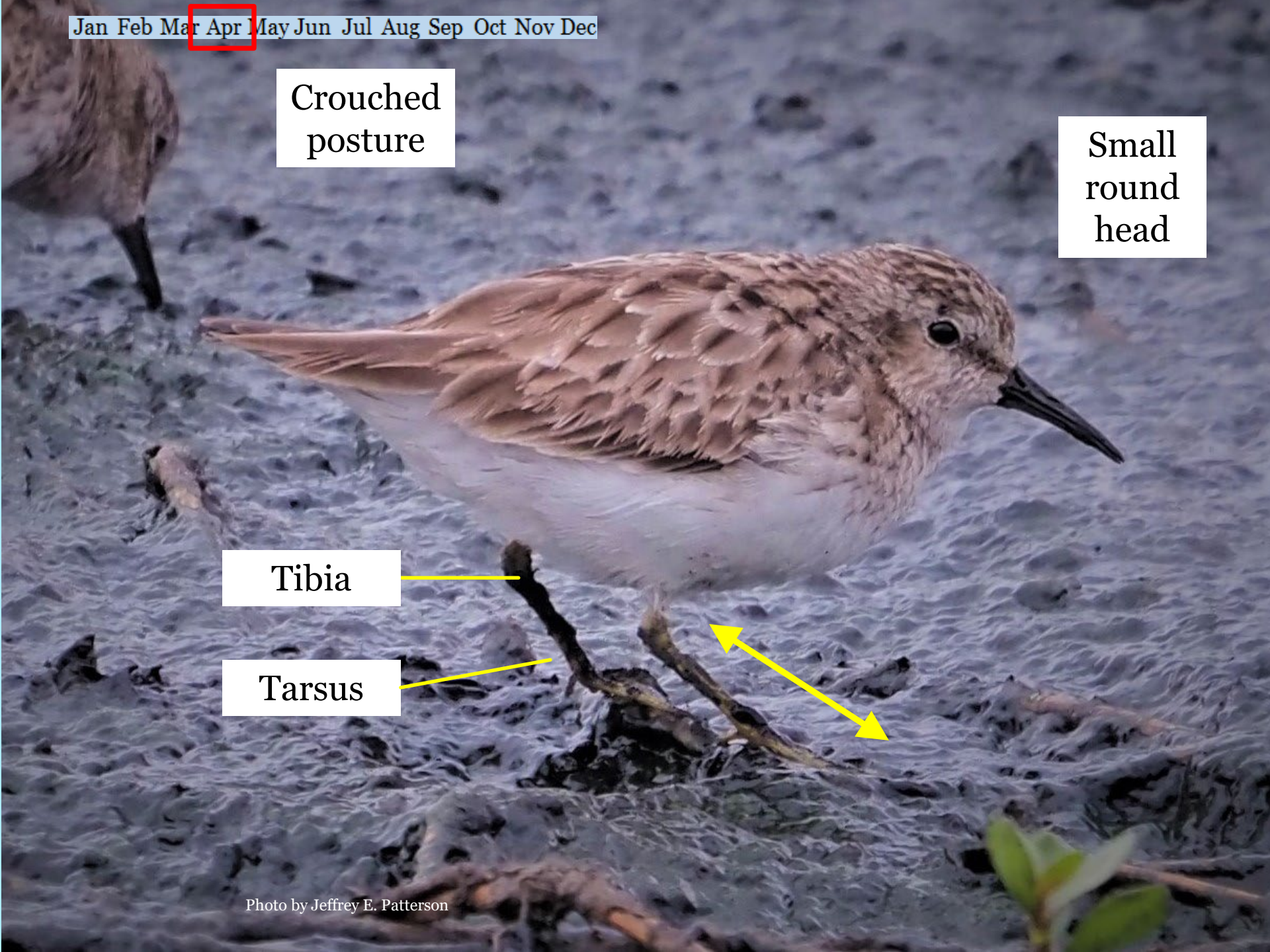


Crouched posture

Small round head

Tibia

Tarsus



Jan Feb Mar Apr May Jun Jul Aug **Sep** Oct Nov Dec

Seems to feed
just in front of toes

Crouched
posture



Secondaries

(white)

Tertials

(green)

Scapulars

(red)

Mantle

(white)

Primaries

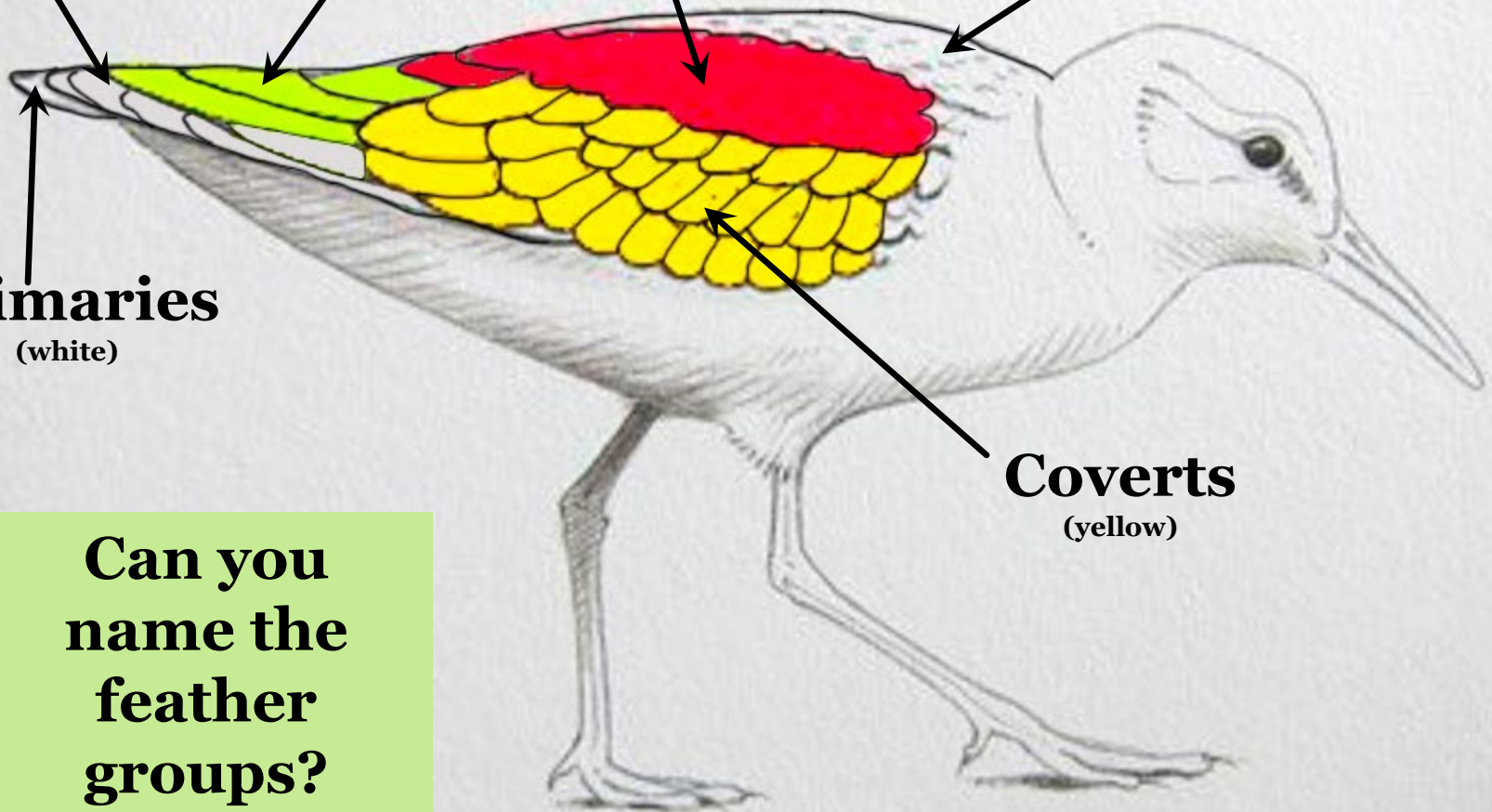
(white)

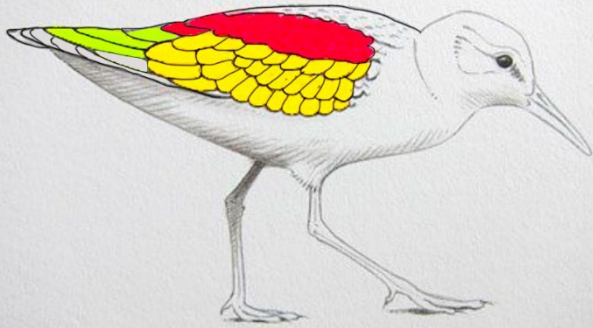
Coverts

(yellow)

**Can you
name the
feather
groups?**

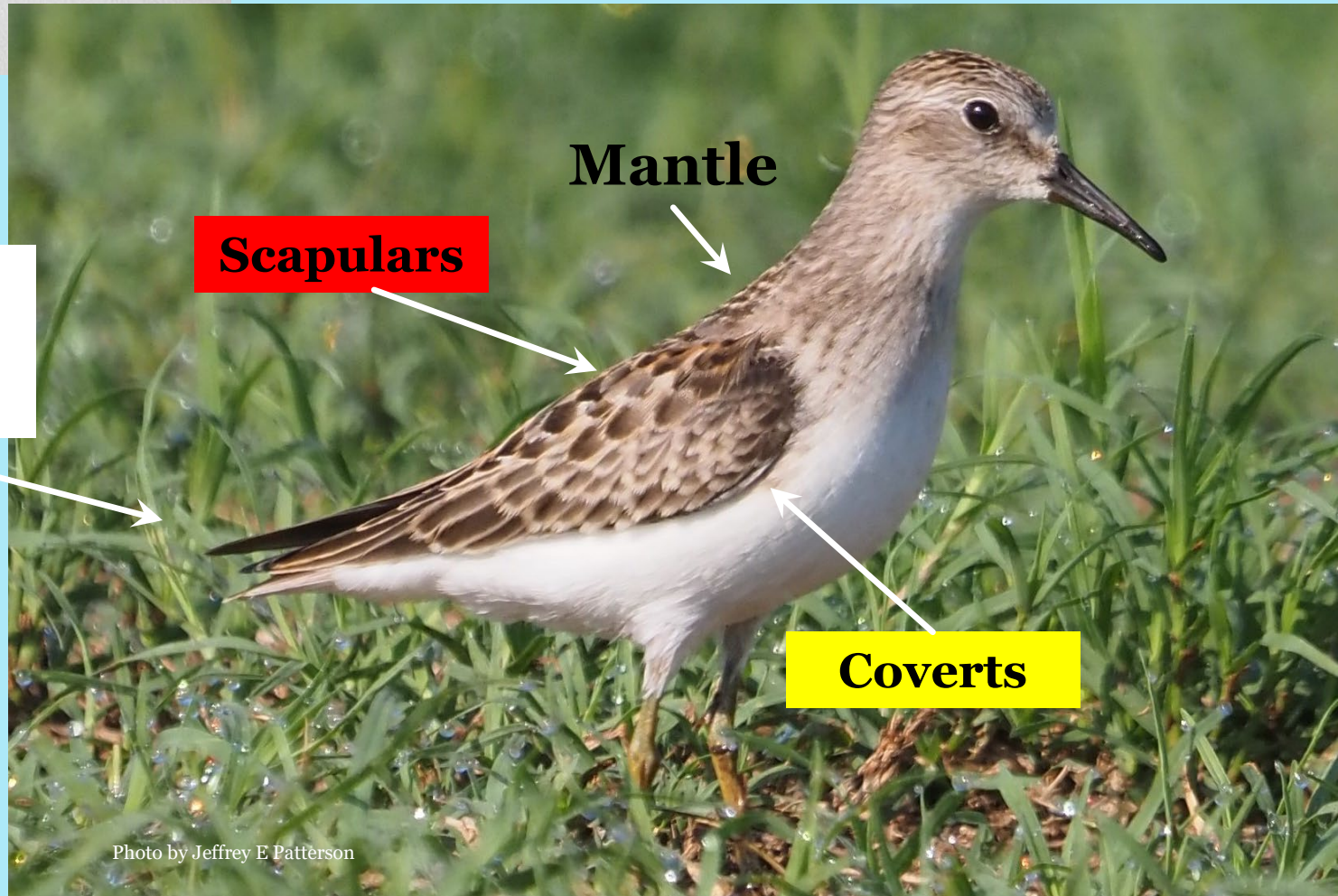
Least Sandpiper





Least Sandpiper

**Primaries,
secondaries,
tertials**



Mantle

Scapulars

Coverts

Least Sandpiper



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Basic ~ Winter



Photo by Jeffrey E. Patterson

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

Transitioning to alternate



Photo by Jeffrey E. Patterson

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec



Alternate ~ Spring

Photo by Jeffrey E. Patterson

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Juvenile



Least Sandpiper Crouching



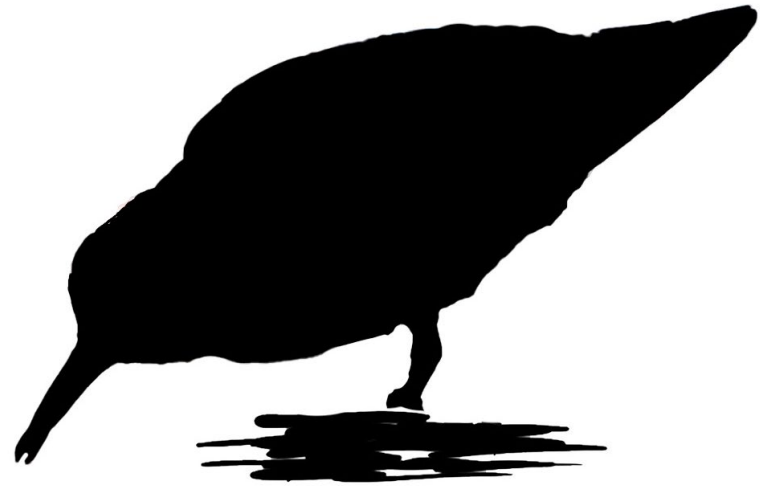
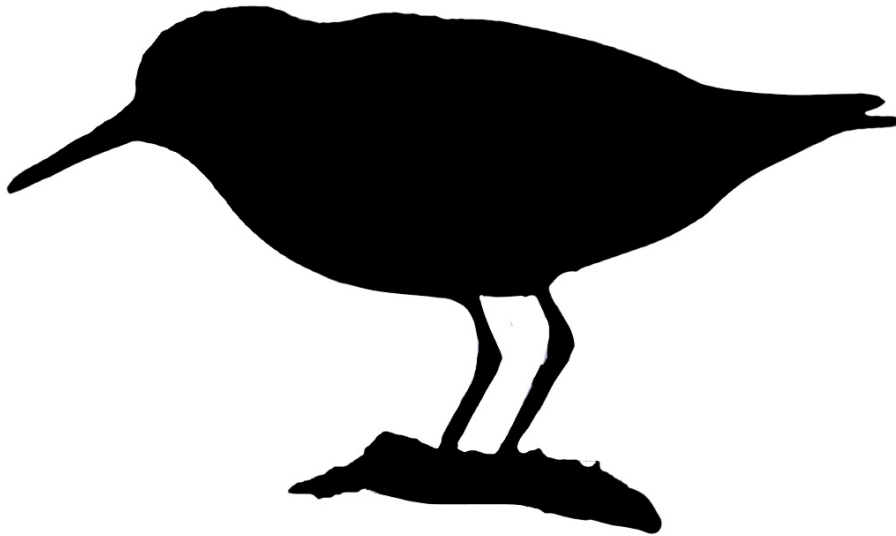
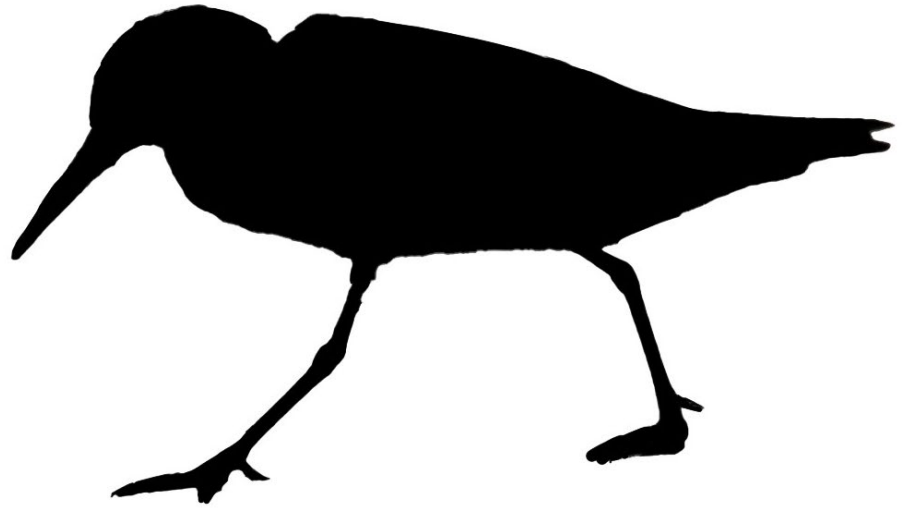
WESTERN SANDPIPER

THE GNOME

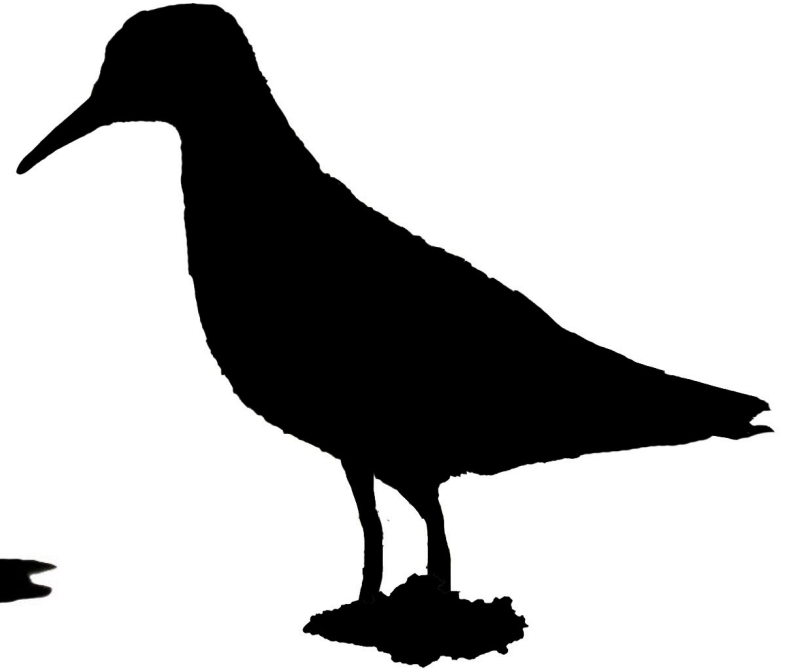
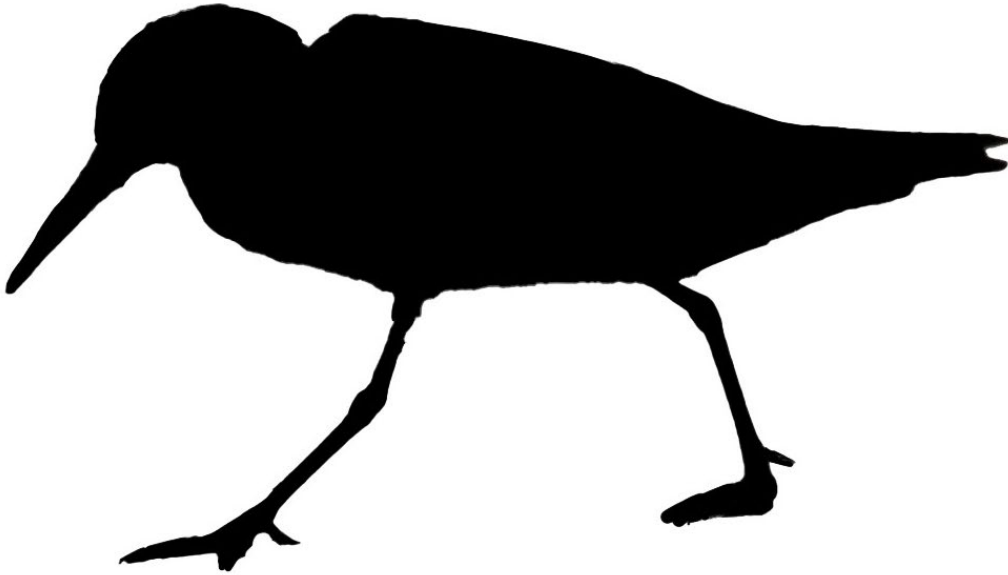
Population
Estimate
3.5 million



Western



Western



Least

Western

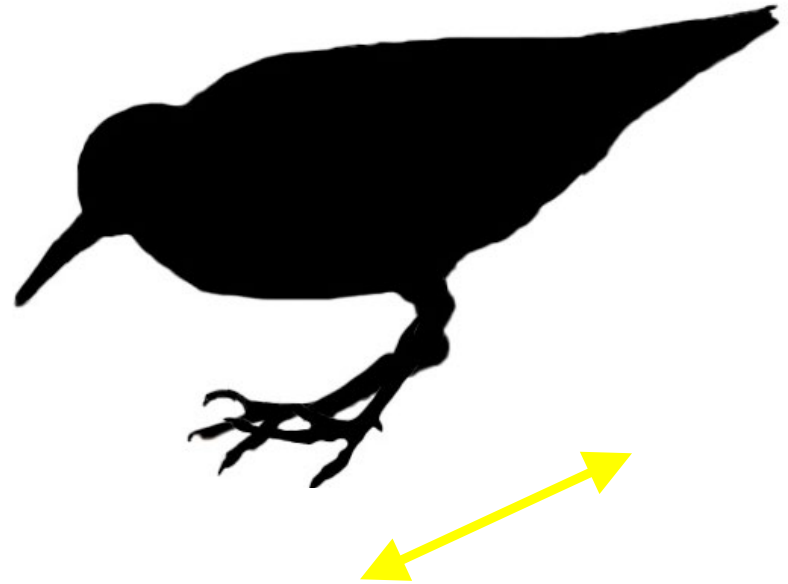
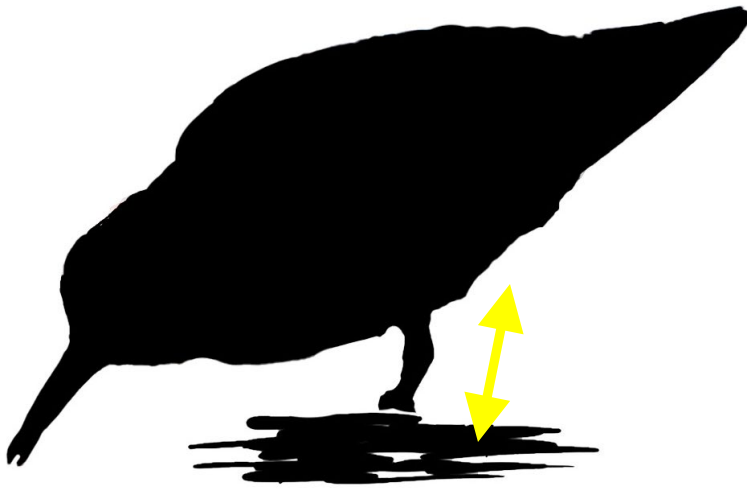


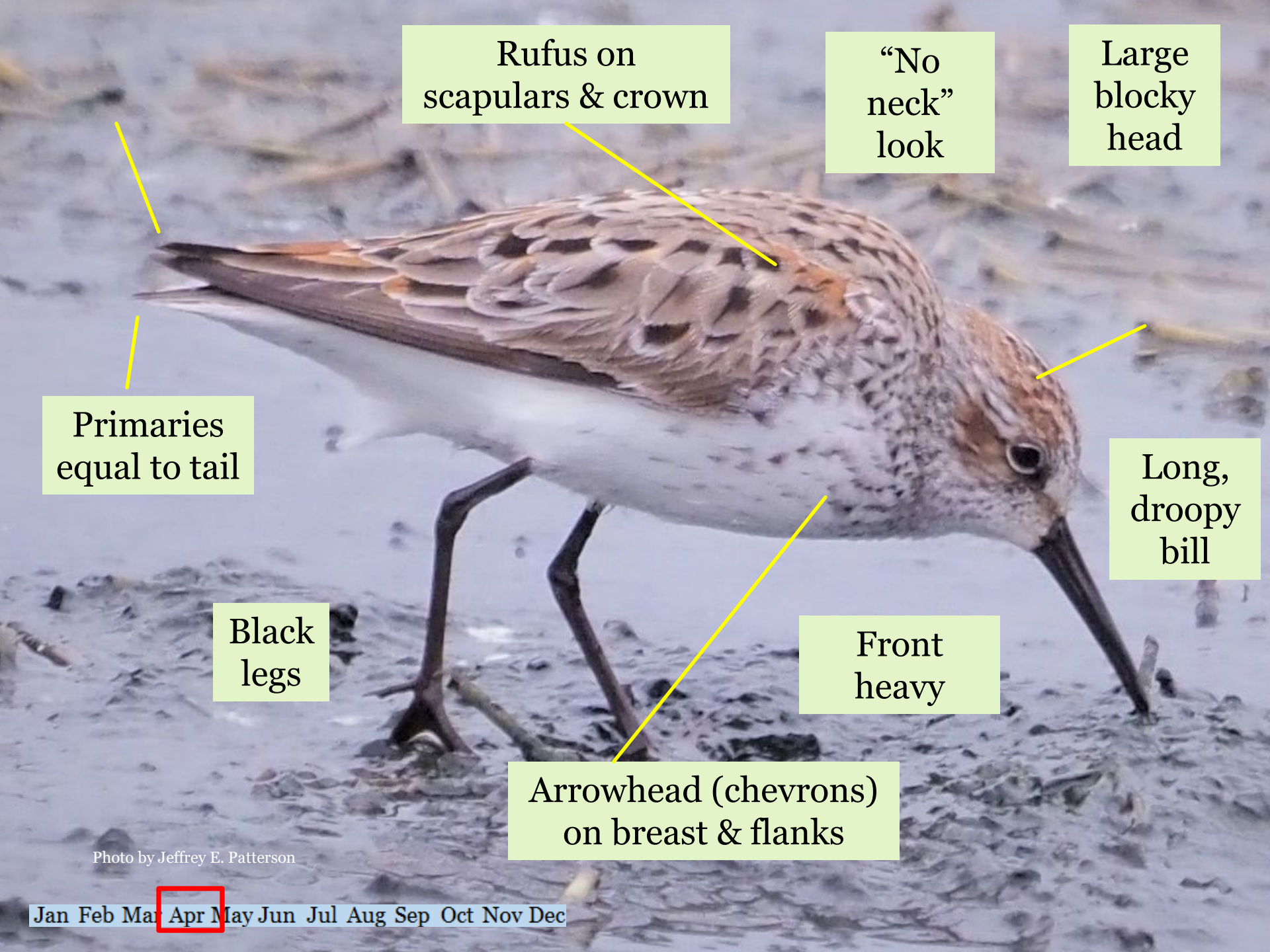
Least



Western

Least





Rufus on
scapulars & crown

“No
neck”
look

Large
blocky
head

Primaries
equal to tail

Long,
droopy
bill

Black
legs

Front
heavy

Arrowhead (chevrons)
on breast & flanks

Photo by Jeffrey E. Patterson

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec



Alternate

Where's the color ?

Front Heavy

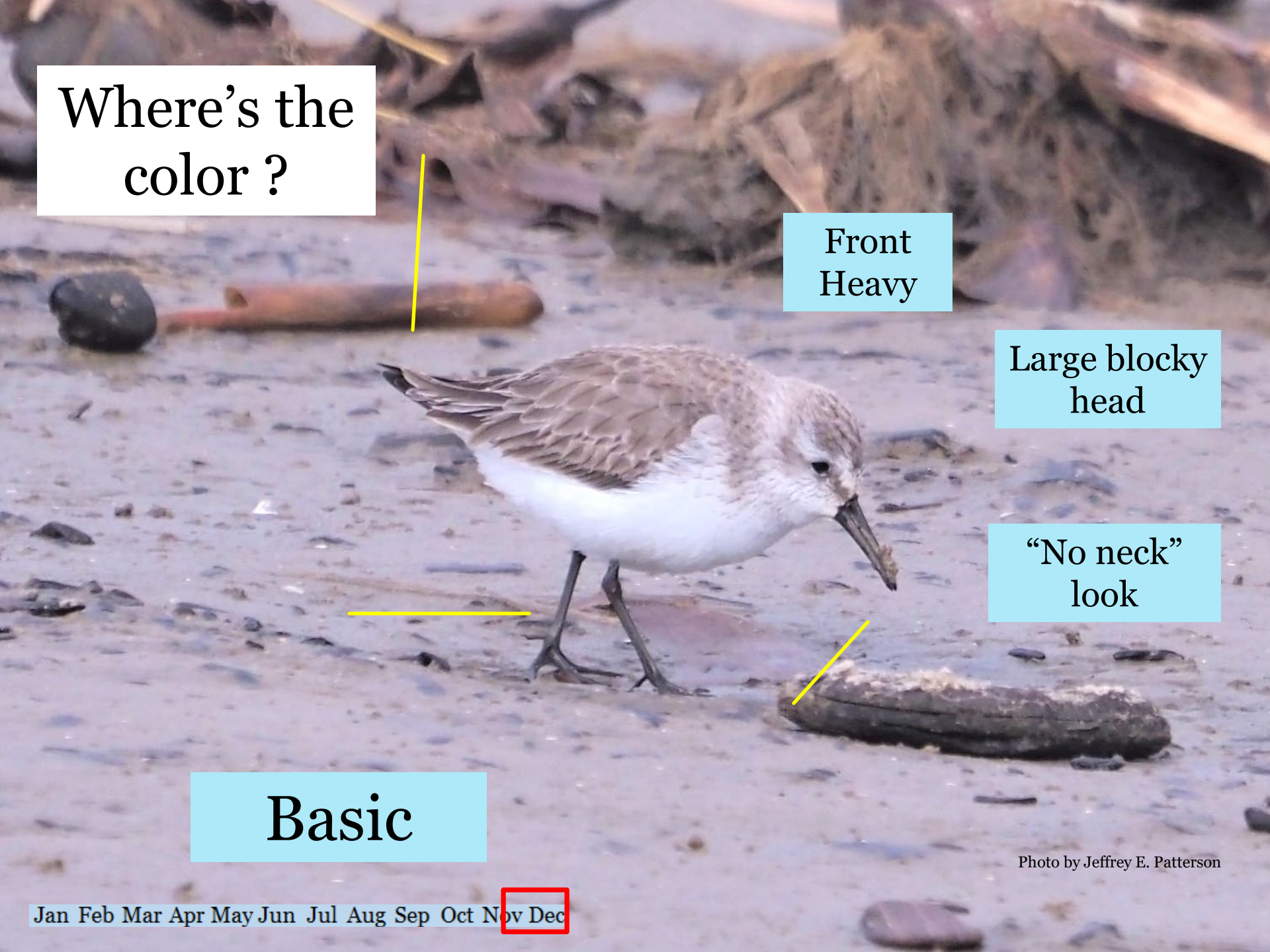
Large blocky head

"No neck" look

Basic

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Photo by Jeffrey E. Patterson



Jan Feb Mar Apr May Jun Jul Aug Sep **Oct** Nov Dec

What
plumage
am I in?



Worn
alternate

Can you ID?

Western

Least

Photo by Jeffrey E. Patterson

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

Western



Least



Photo by Jeffrey E. Patterson

Jan Feb Mar Apr May Jun Jul Aug **Sep** Oct Nov Dec



SEMIPALMATED SANDPIPER

“BLUNT BILL”

Population
Estimate
2.3 million



SHORE-BIRDING IS COMPARATIVE BIRDING

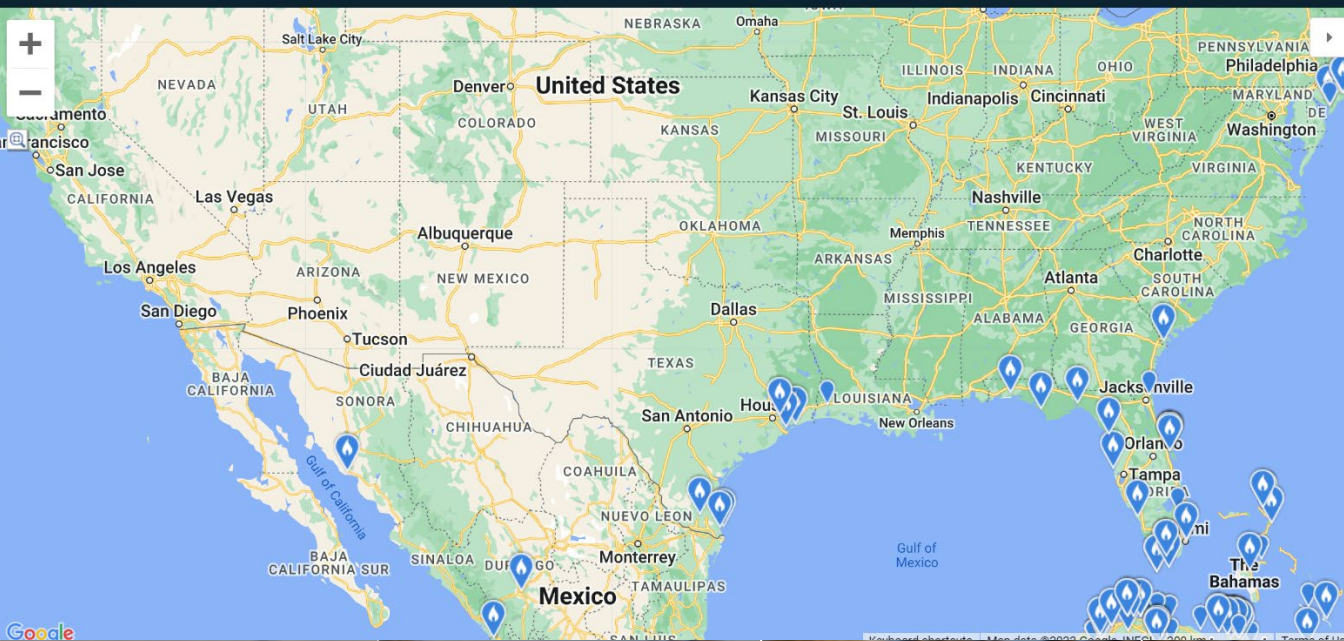
Lefty

Righty



What's different?
What's the same ?

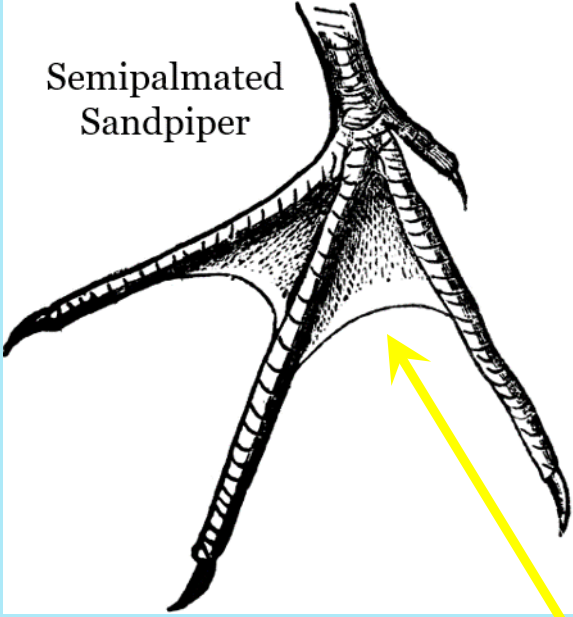
Species: Semipalmated Sandpiper DATE: Dec-Feb, Past 10 years LOCATION:



Semipalmated Sandpiper
 Last 10 years
Texas sightings
in winter
 (Dec, Jan, Feb)



“SEMI-PALMATED”



Drawing by Florida Center for Instructional Technology

A close-up photograph of a Western Sandpiper's bill and feet on a sandy beach. The bird's bill is long and straight, with a distinct hook at the tip. The feet are long and thin. The sand is light-colored and textured. A yellow arrow points to the hook at the tip of the bill. A red rectangular box contains the text "Western Sandpiper".

**Western
Sandpiper**



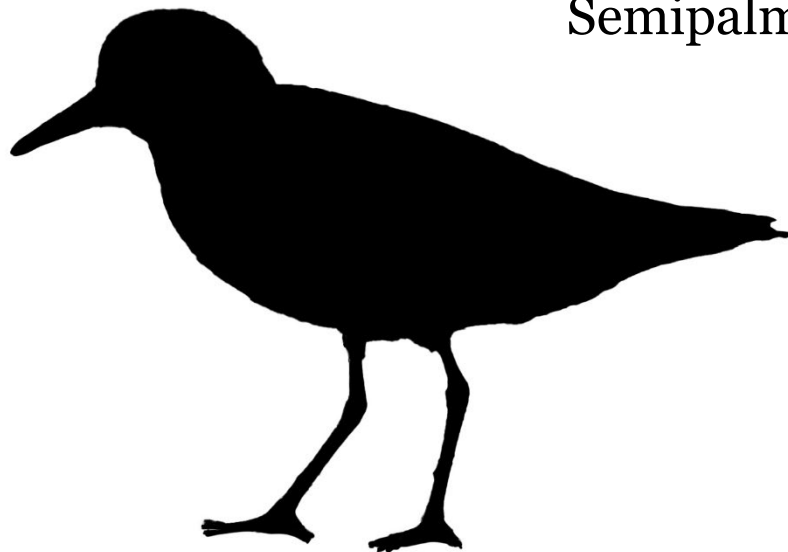
Piping Plover



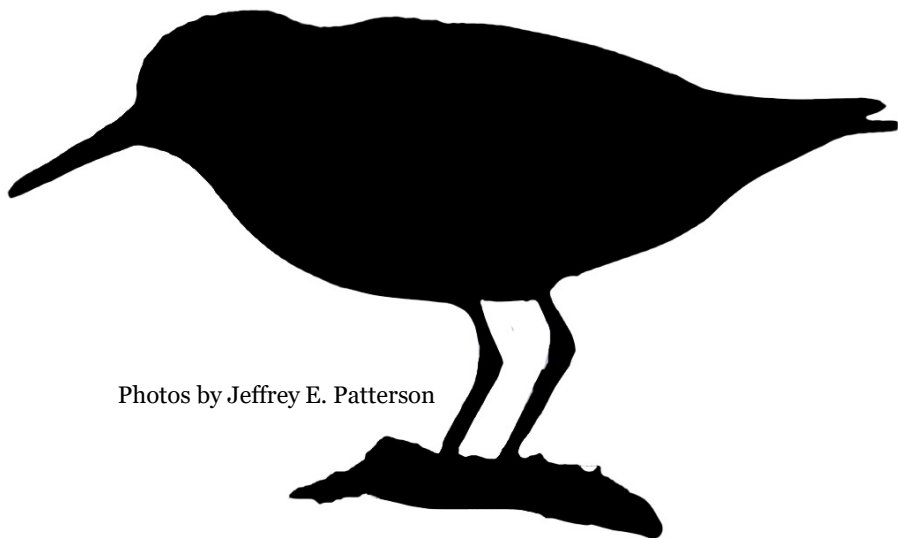
Western Sandpiper

Can you
ID?

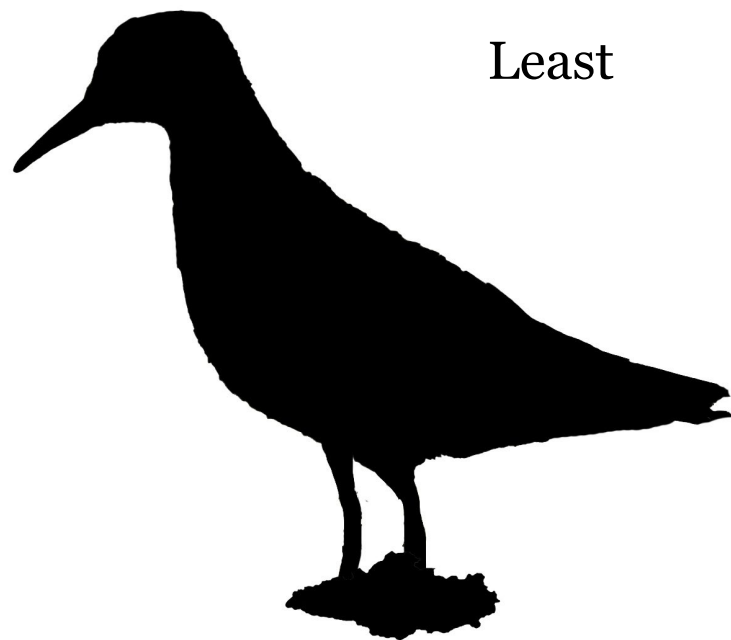
Semipalmated



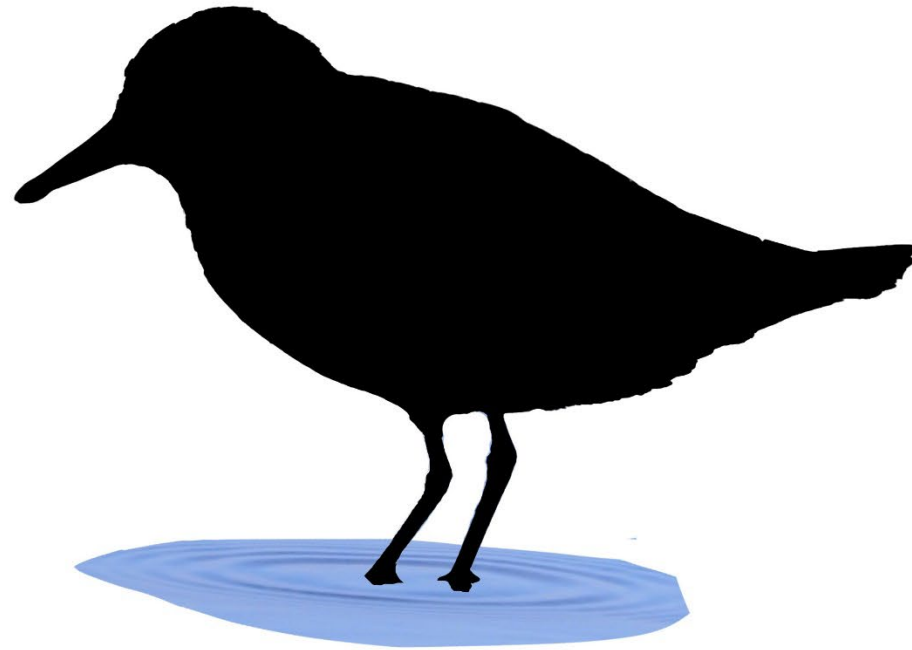
Western



Least



Photos by Jeffrey E. Patterson



Which one
is colorful?



Which one
is frosty ?

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

Which one
is brown ?

“Big-eyed”
look

Rounder, Less
Blocky Head

Grayer
Back

Primaries
equal to
Tail

Straight,
blunt-
tipped
Bill

Clean
White
Throat

Whiter
Belly &
Flanks

Black
legs

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

Photo by Jeffrey E. Patterson

Semipalmated

Bill
sometimes
bulbous



Semipalmated

Straight,
blunt-
tipped Bill



Semipalmated



Photo by Jeffrey E. Patterson

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

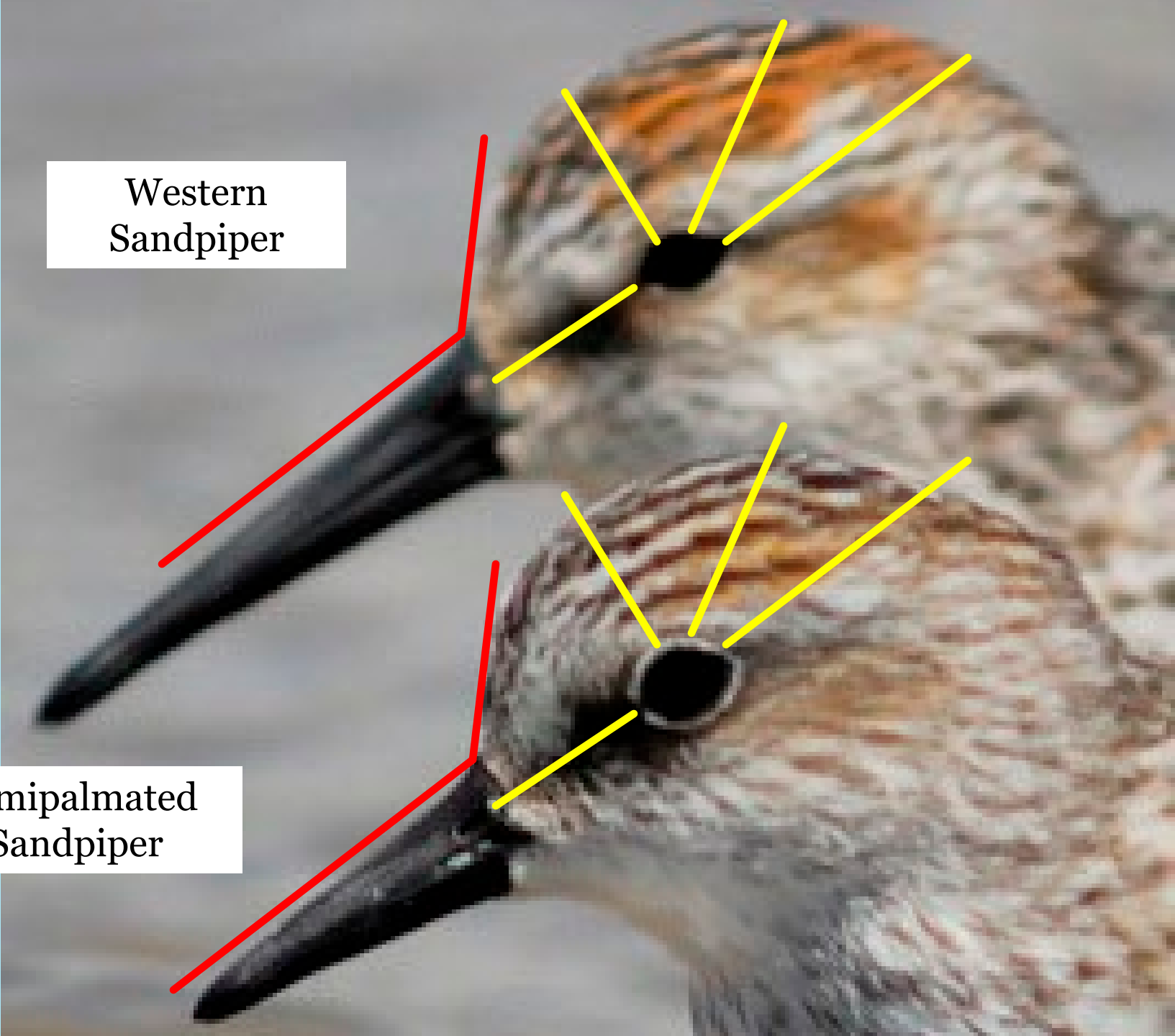
A photograph of two Semipalmated plovers standing in shallow, rippling water. The birds have long, dark bills and are covered in intricate brown and white mottled patterns on their heads and backs. The foreground bird is in sharp focus, while the second bird behind it is slightly blurred. The water is a light, muddy brown color.

Western

Semipalmated

Western
Sandpiper

Semipalmated
Sandpiper



Semipalmated

Worn
Alternate

Same
date/location
(August)

Western

Basic

What
plumage
am I in?

ID ?

What
plumage
am I in?

Photo by Jeffrey E. Patterson

Jan Feb Mar Apr May Jun Jul **Aug** Sep Oct Nov Dec

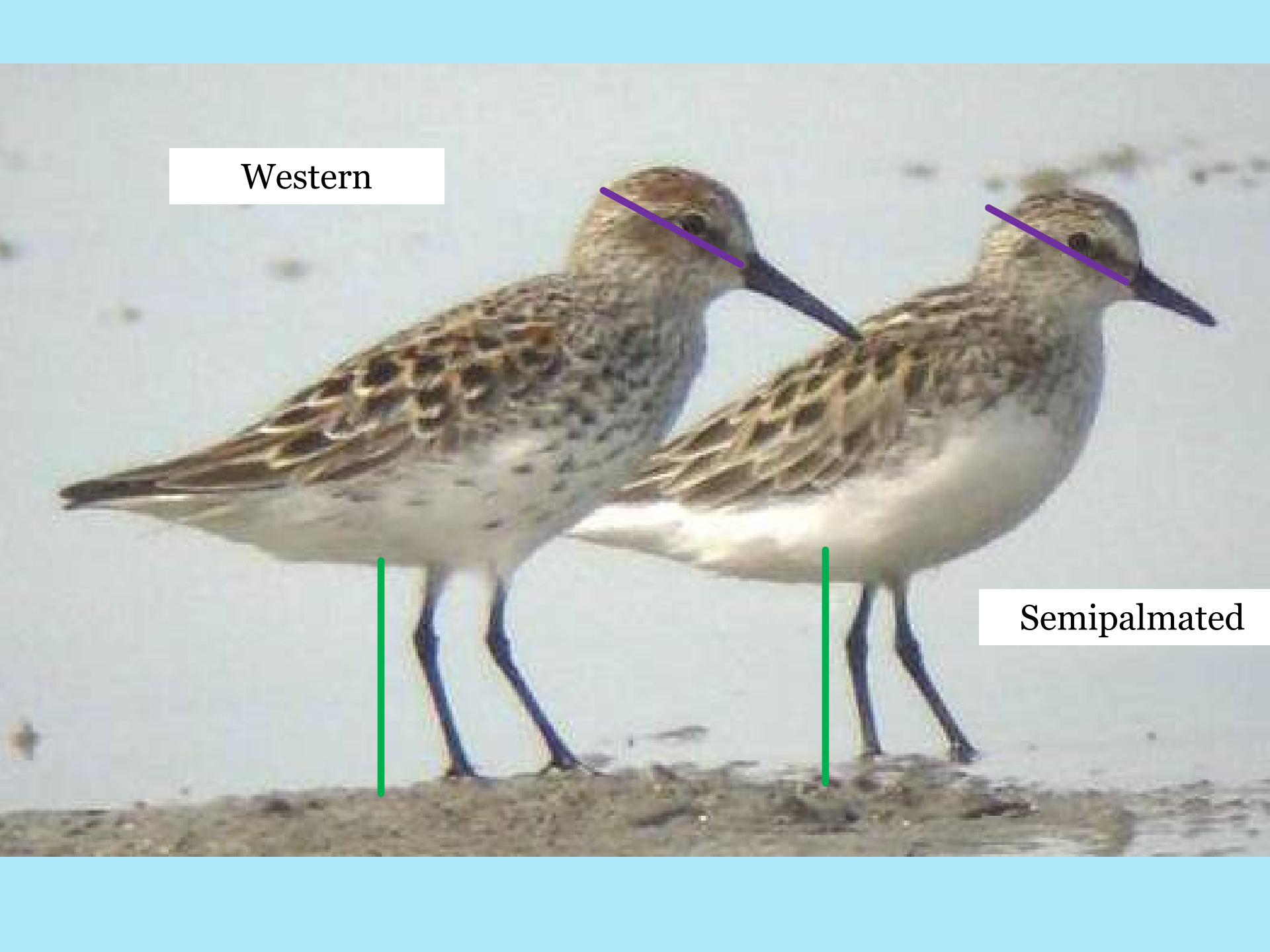
A photograph of two shorebirds standing on a sandy beach. The bird on the left is labeled 'Western' and has a reddish-brown cap and a dark, straight bill. The bird on the right is labeled 'Semipalmated' and has a more mottled brown and white pattern on its head and neck, and a dark, straight bill. Both birds have long, thin legs and are facing right. The background is a light, sandy beach with some sparse vegetation.

Western

Semipalmated

Western

Semipalmated



Western



Semipalmated

A photograph of two Least Semipalmated plovers in a shallow, blue-tinted wetland. The birds have mottled brown and white plumage and long, dark bills. One bird is in the foreground, facing left, with its reflection clearly visible in the water. The second bird is slightly behind and to the right, also facing left. The water is shallow and reflects the sky and the birds. The background is a soft-focus expanse of the wetland.

Least

Semipalmated

Photo by Jeffrey E. Patterson

A photograph of a juvenile bird, possibly a sandpiper, standing in shallow, rippling water. The bird has a white underbelly and a back with intricate brown and black mottled patterns. Its head is turned to the right, showing a dark, pointed beak and a dark eye. The background is a soft-focus blue sky and water.

Juvenile Plumage

“Frosty”
look

Semipalmated
Sandpiper

Basic



Photo by Cin Ty Lee

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



Photo by James Giroux

Western

Can you
name
them?

Semipalmated

Least

Photo by Jeffrey E. Patterson

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec

BAIRD'S SANDPIPER

THE LONG-WINGED GENTLEMEN PEEP

Population
Estimate
300,000



Baird's



Photo by Jeffrey E. Patterson

Baird's

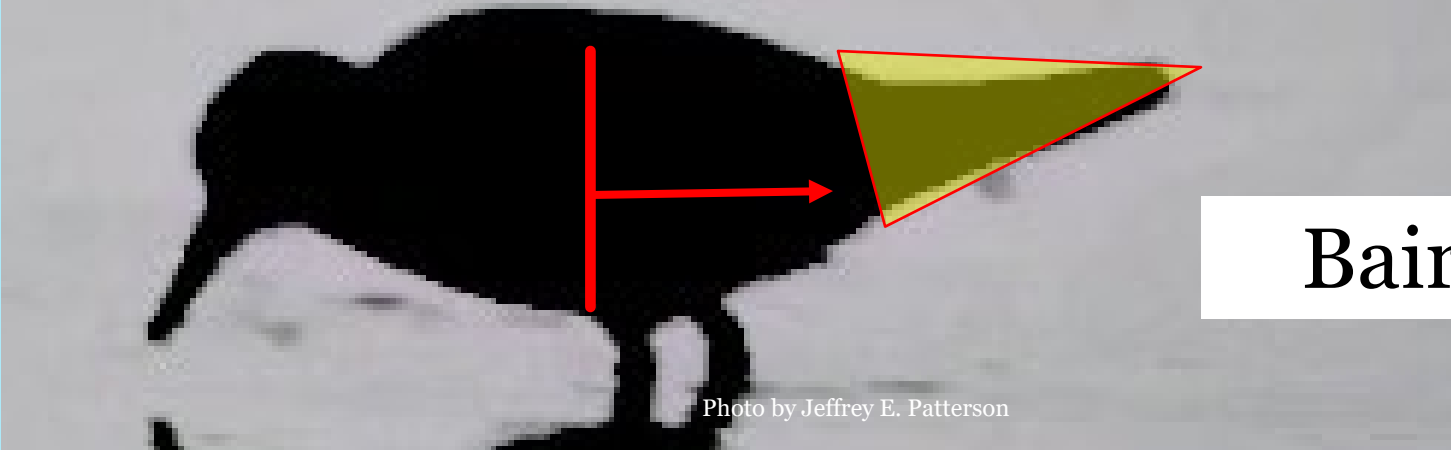


Least

Baird's



Least



Baird's

Photo by Jeffrey E. Patterson

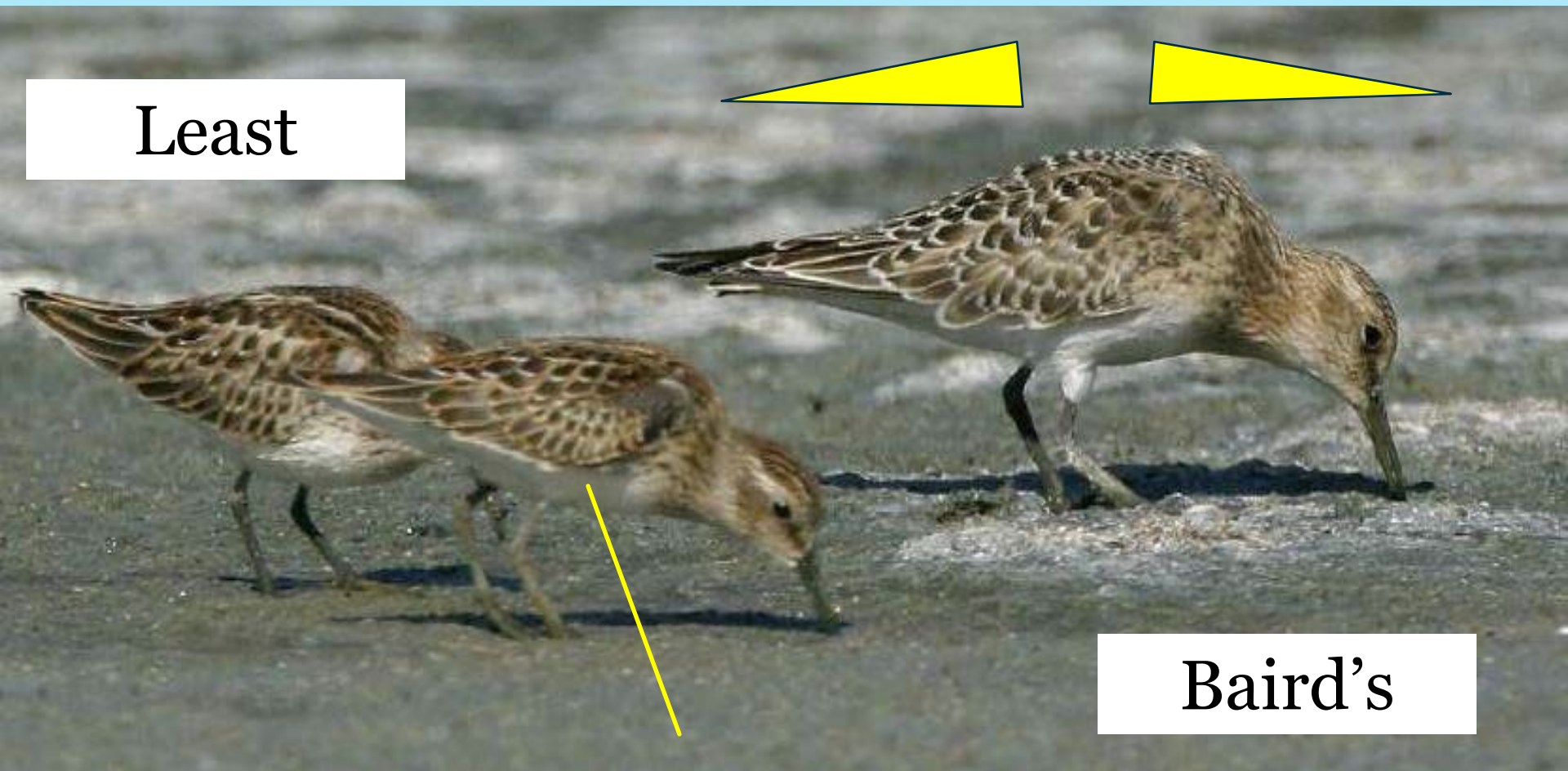
VIDEO

Photo by Jeffrey E. Patterson

Least



Baird's



Steep forehead

Warm brown

Fairly straight,
fine-tipped bill

Primaries

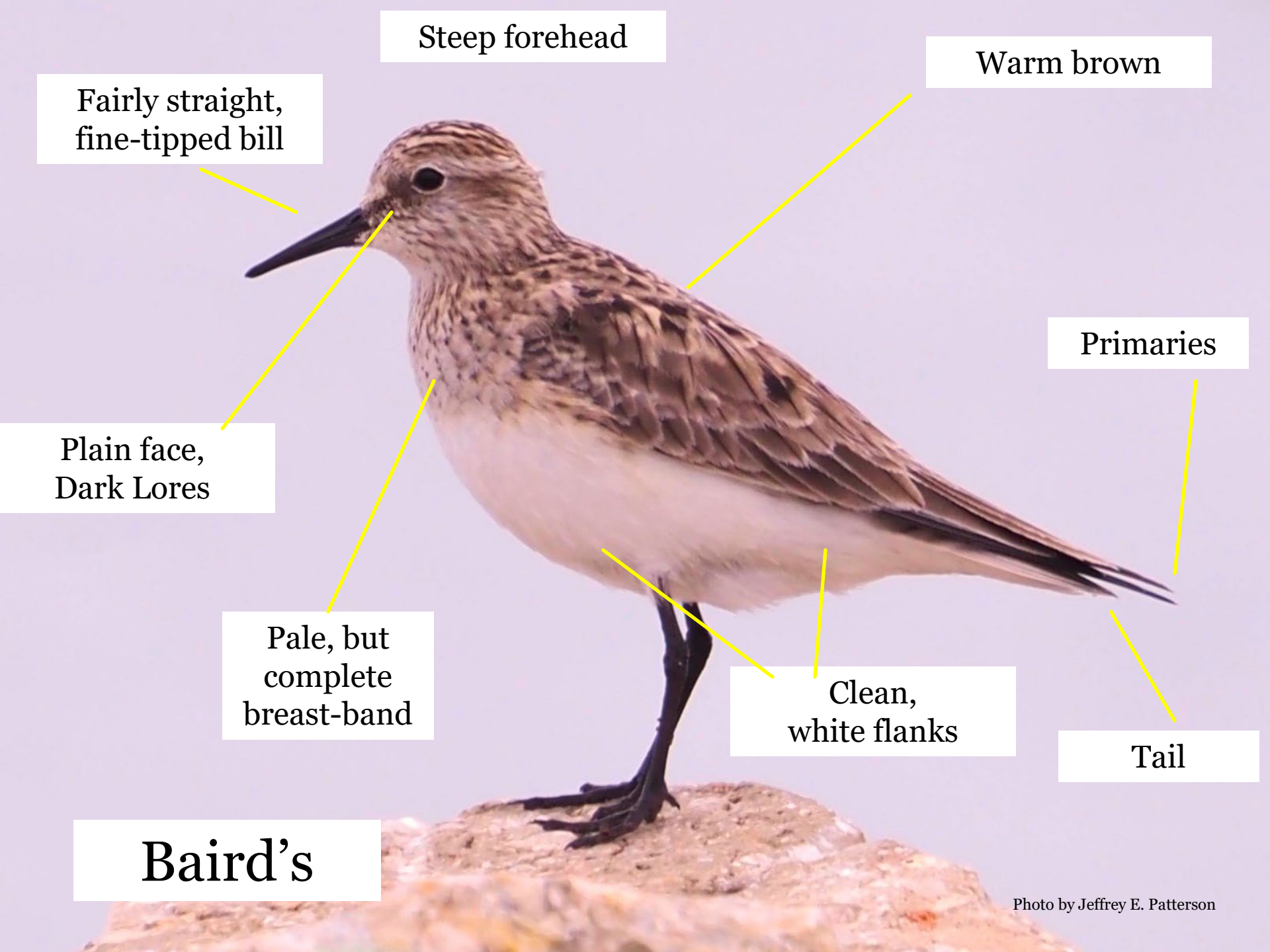
Plain face,
Dark Lores

Pale, but
complete
breast-band

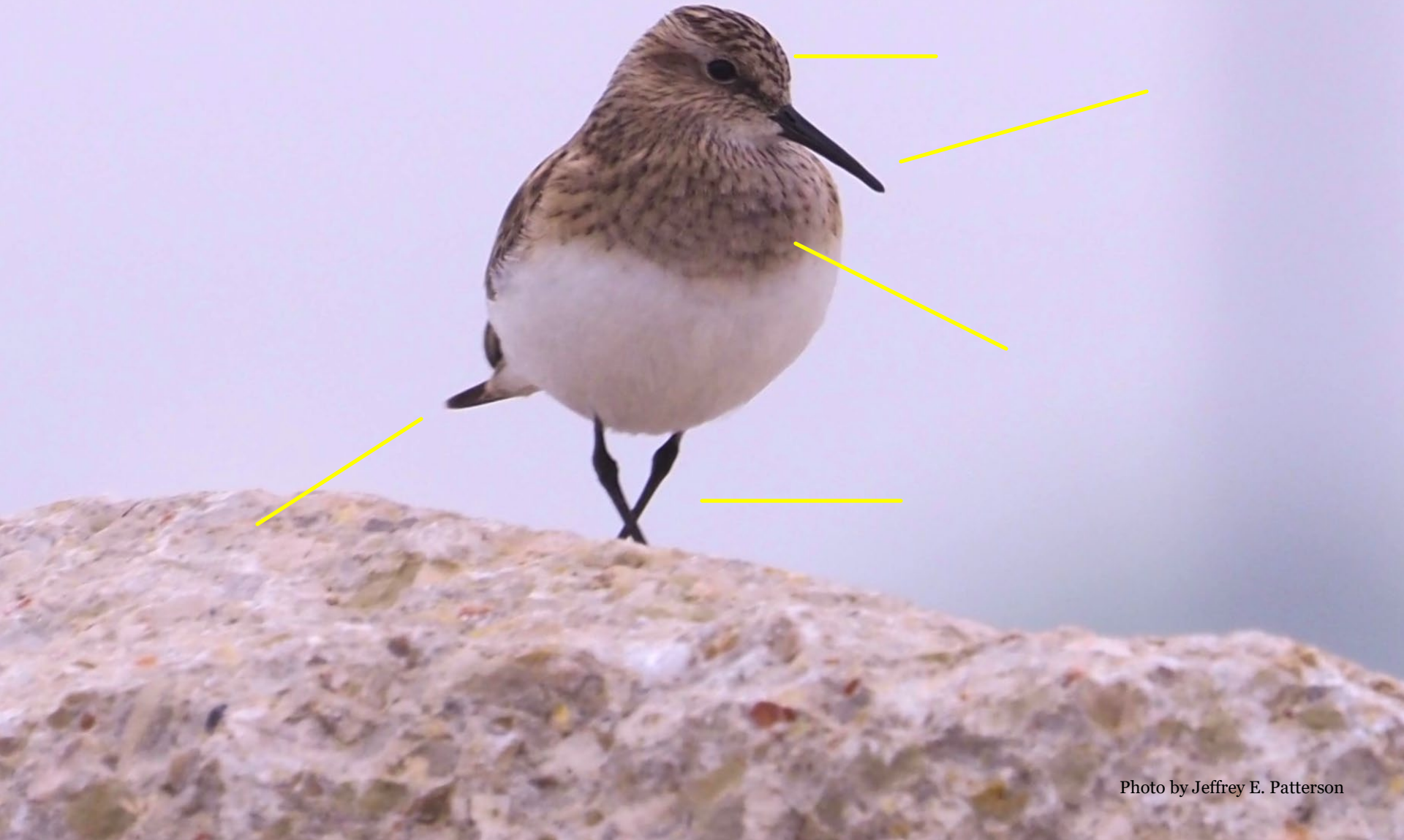
Clean,
white flanks

Tail

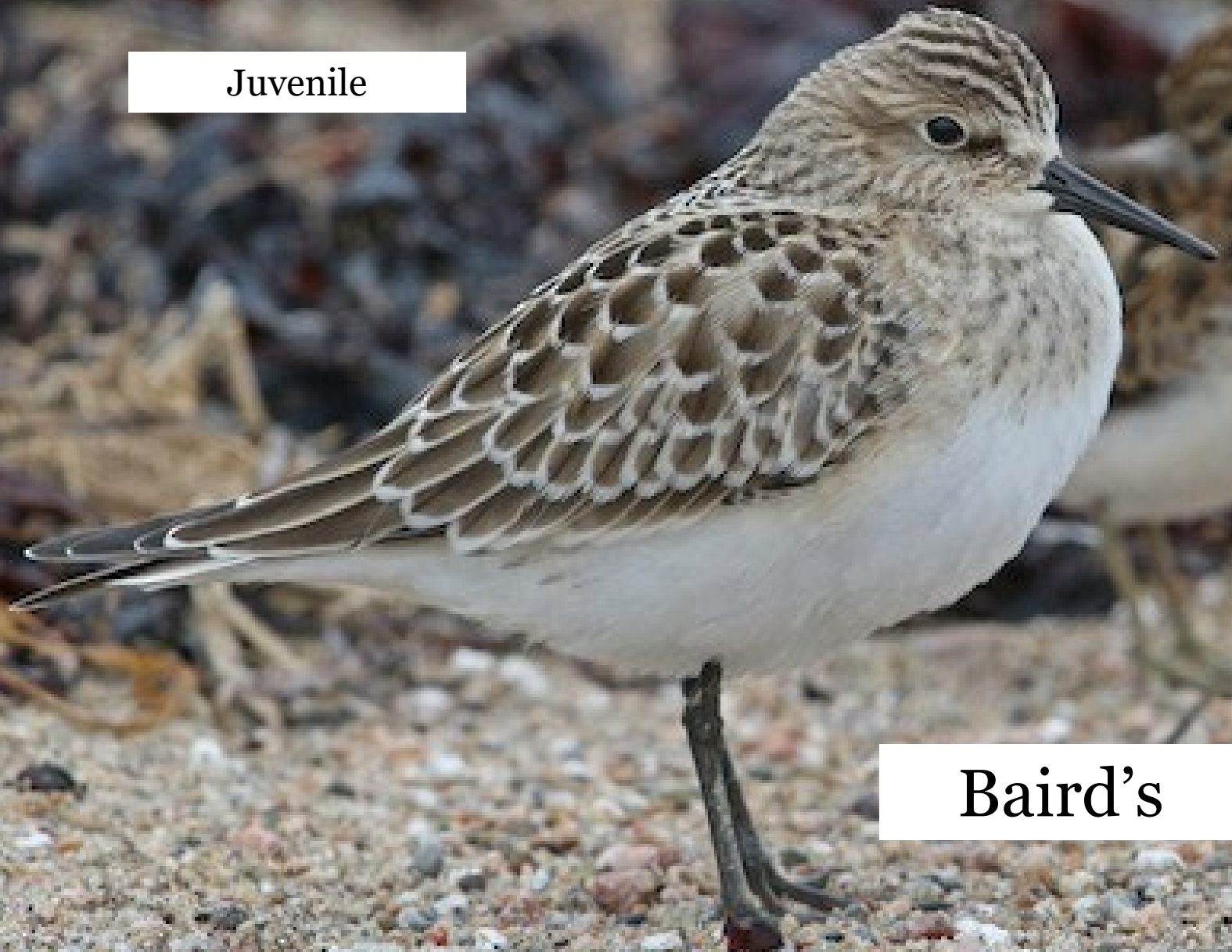
Baird's



Baird's



Juvenile



Baird's

Baird's



Photo by Jeffrey E. Patterson

“ELLIPTICAL” MIGRANTS

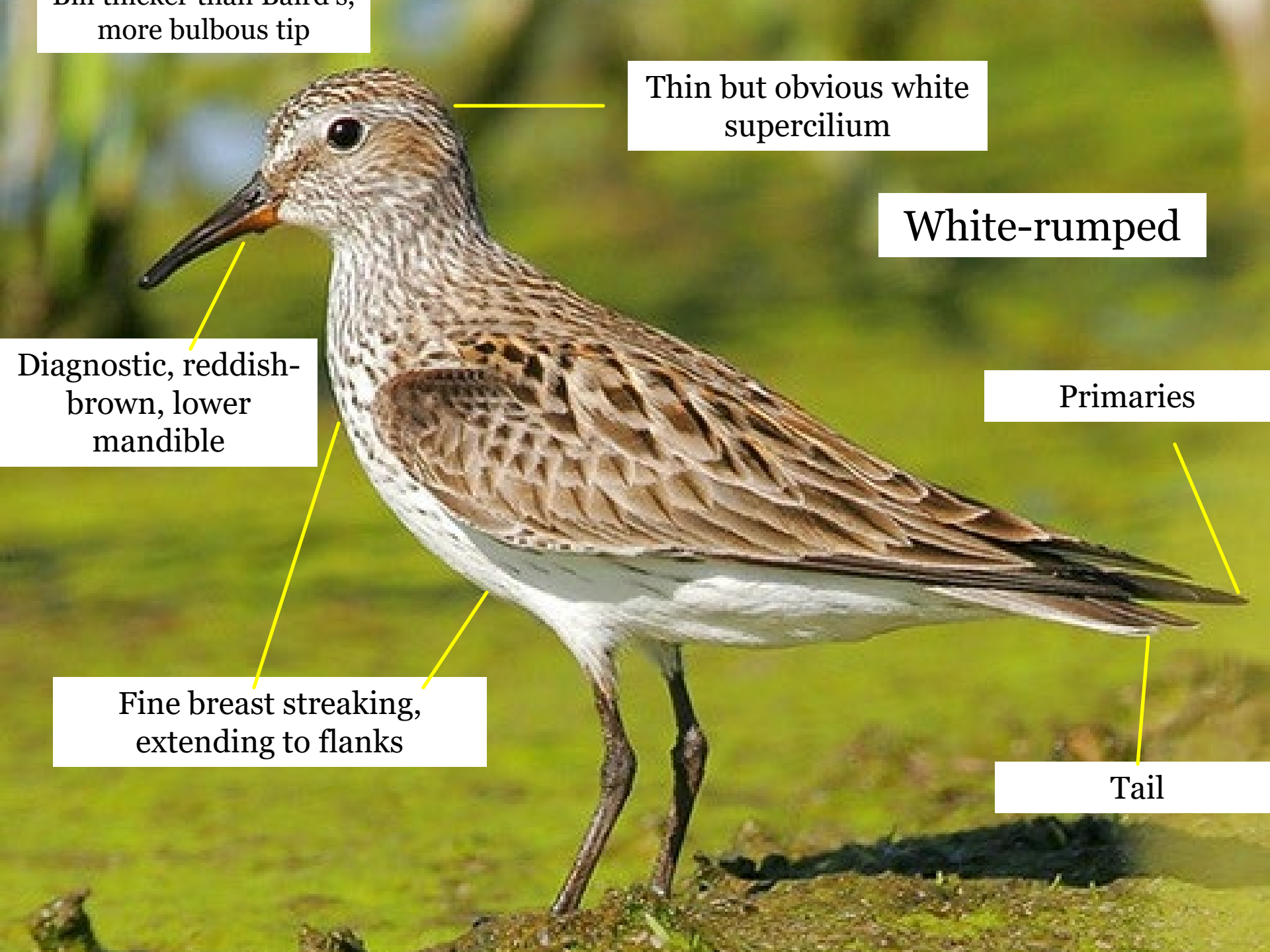
White-rumped Sandpiper
Whimbrel
Hudsonian Godwit
American Golden Plover



WHITE-RUMPED SANDPIPER LONG-WINGED STREAKY-FLANKED PEEP

Population
Estimate
1.7 million





Bill thicker than Barn's,
more bulbous tip

Thin but obvious white
supercilium

White-rumped

Primaries

Diagnostic, reddish-
brown, lower
mandible

Fine breast streaking,
extending to flanks

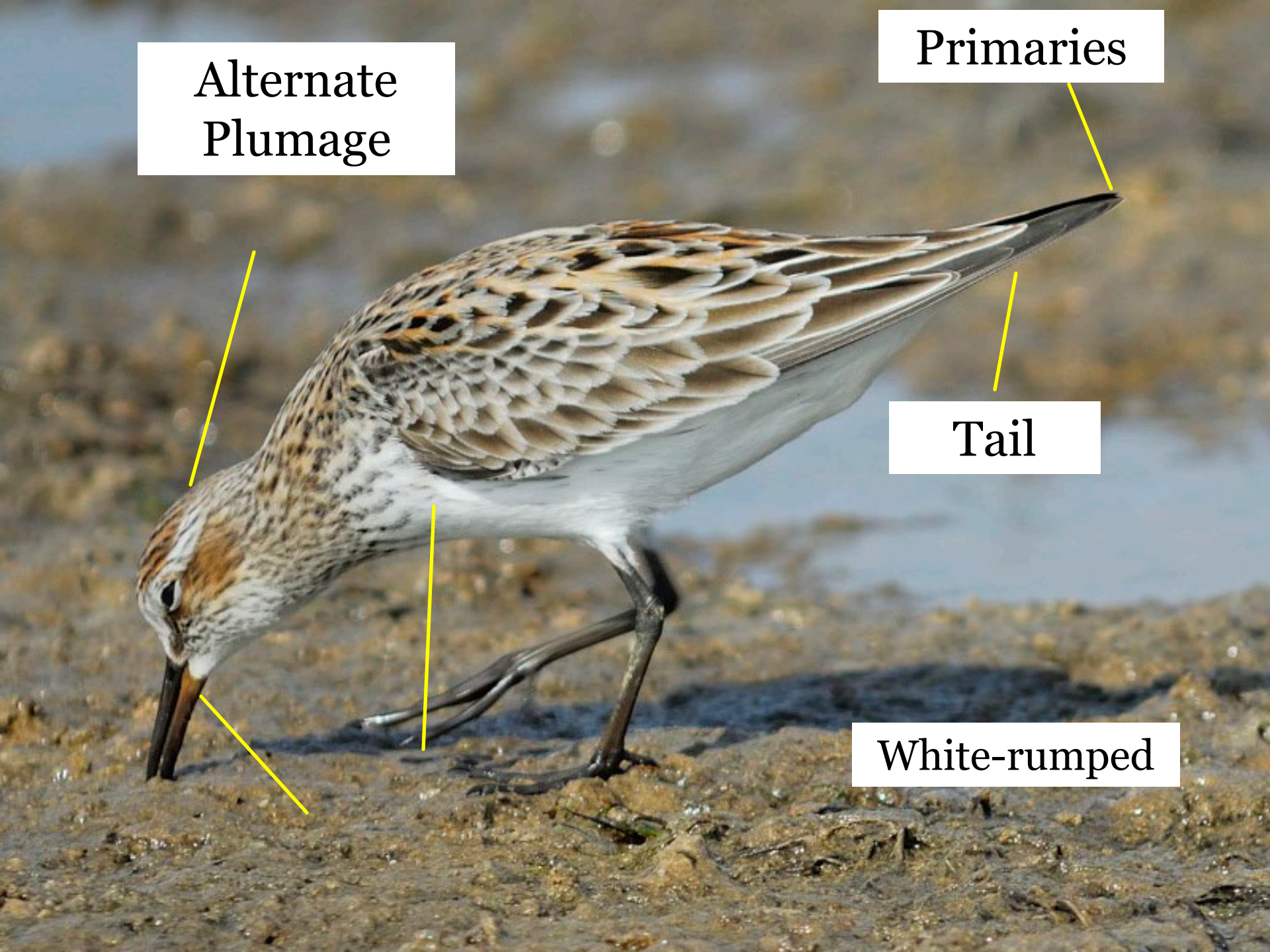
Tail

Alternate
Plumage

Primaries

Tail

White-rumped

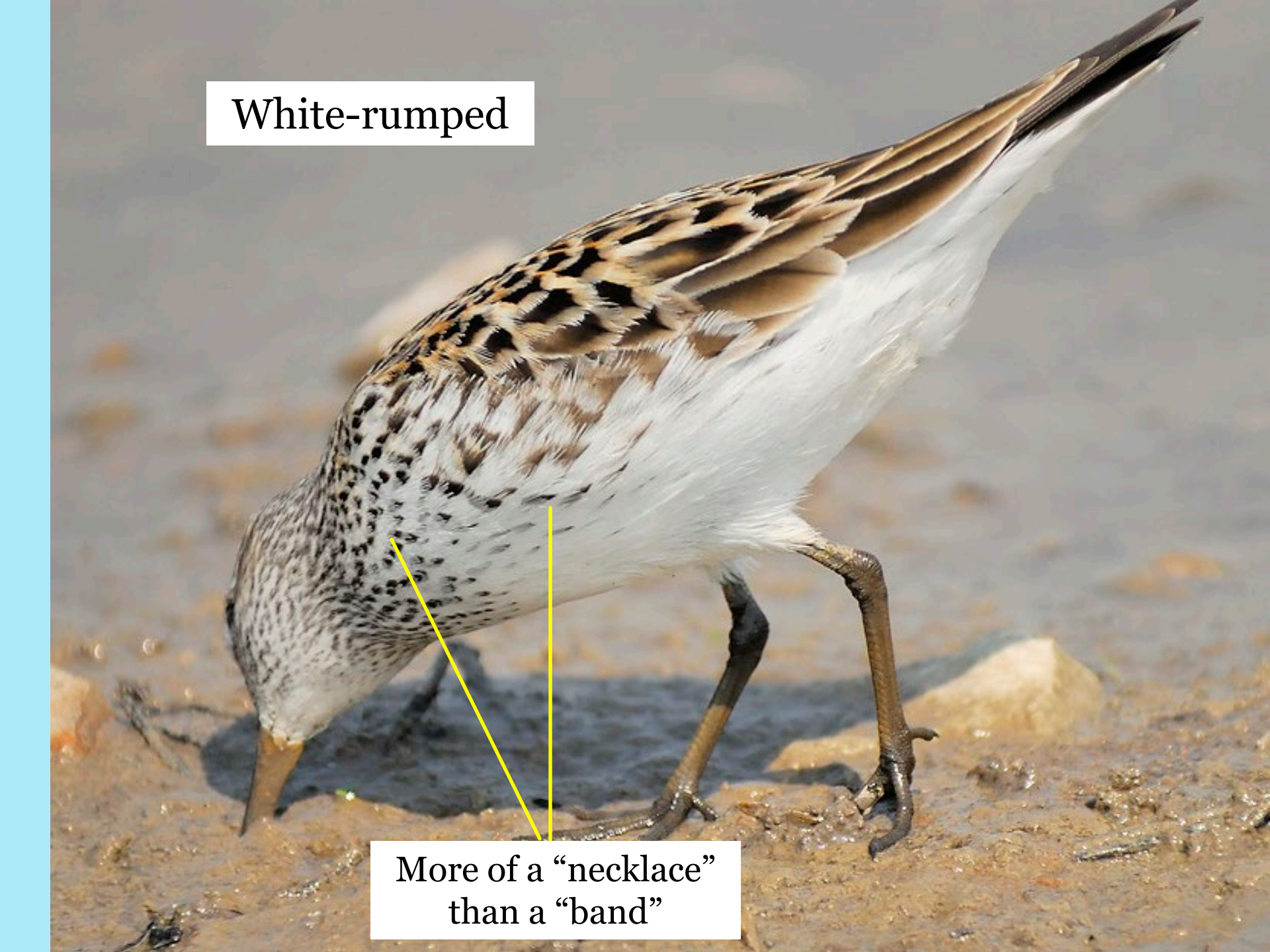


Long “attenuated” look



White-rumped

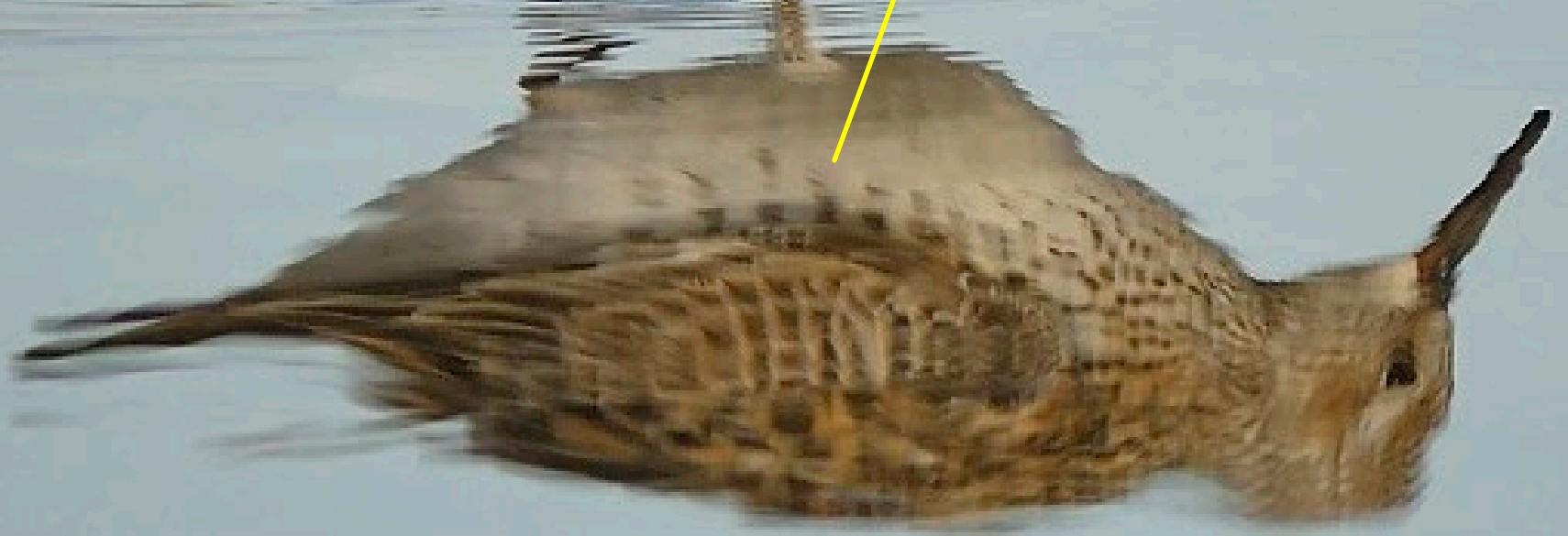
White-rumped



More of a “necklace”
than a “band”

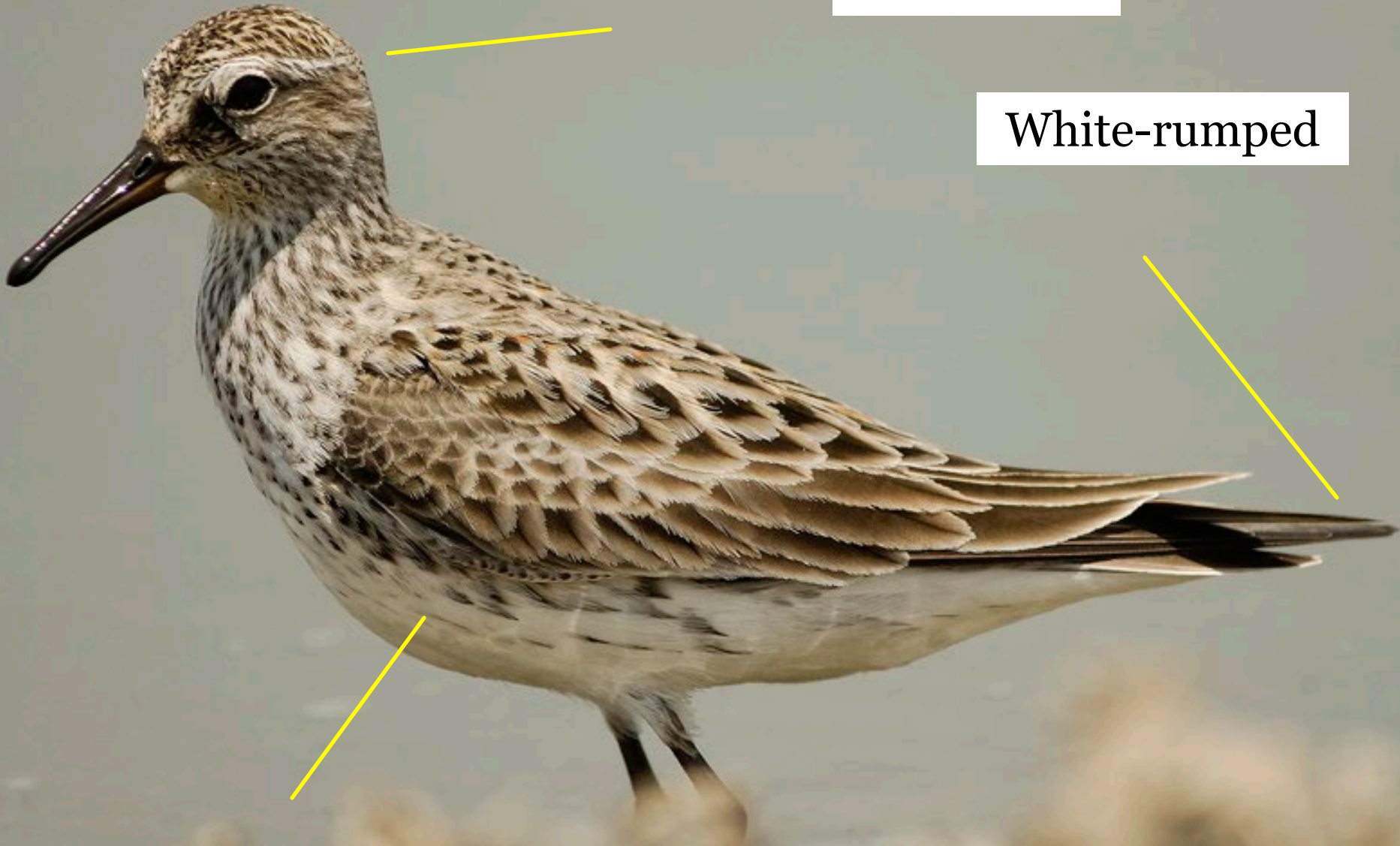


White-rumped



Basic

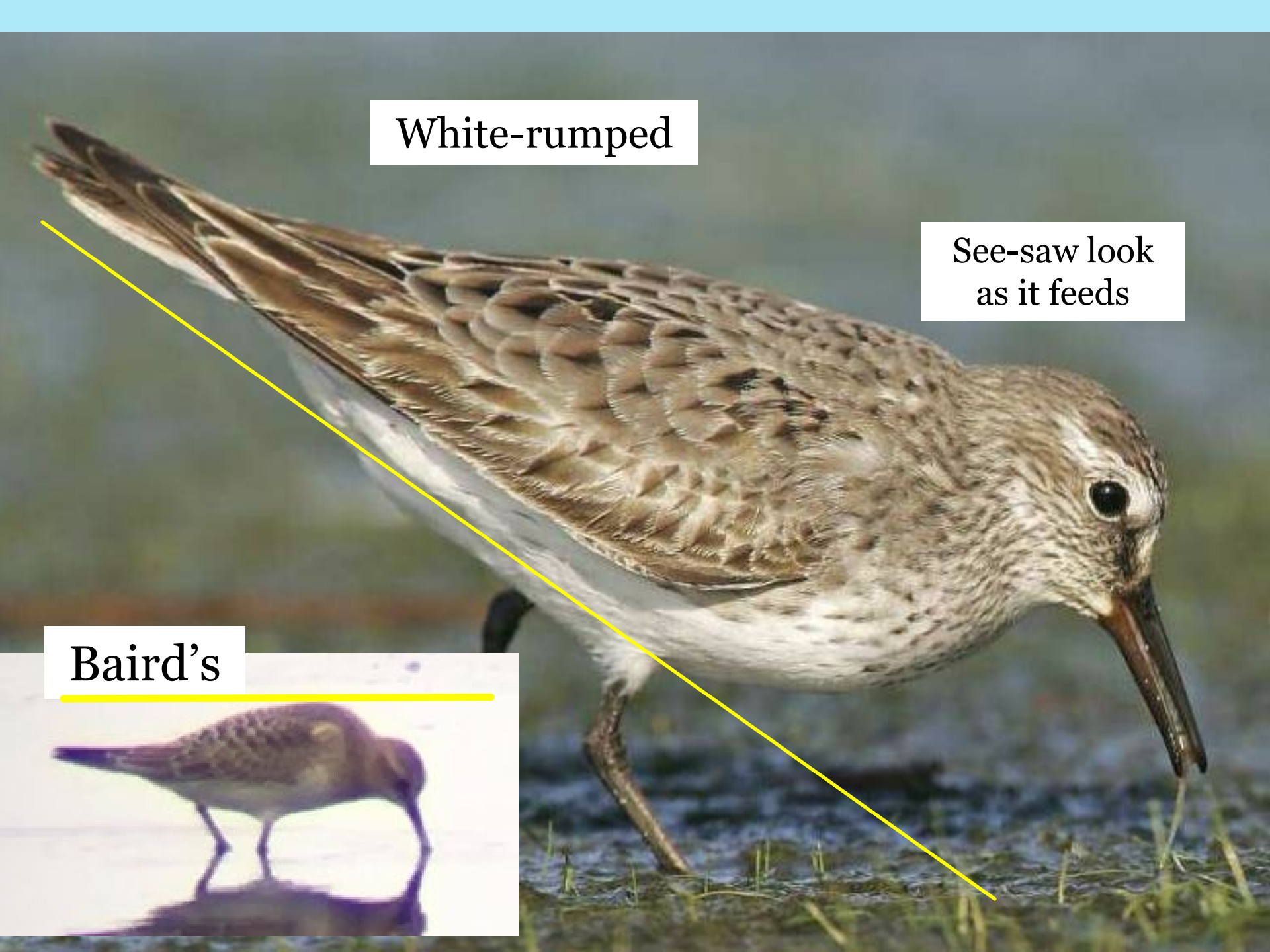
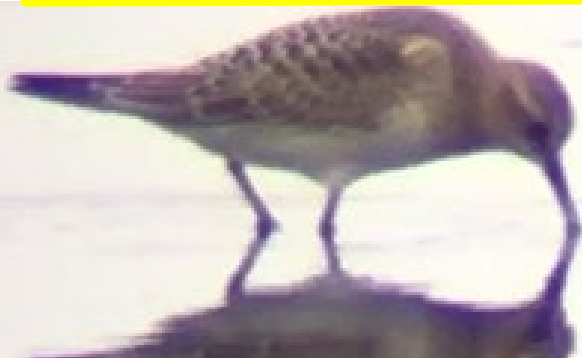
White-rumped



White-rumped

See-saw look
as it feeds

Baird's



FEEDING STYLES

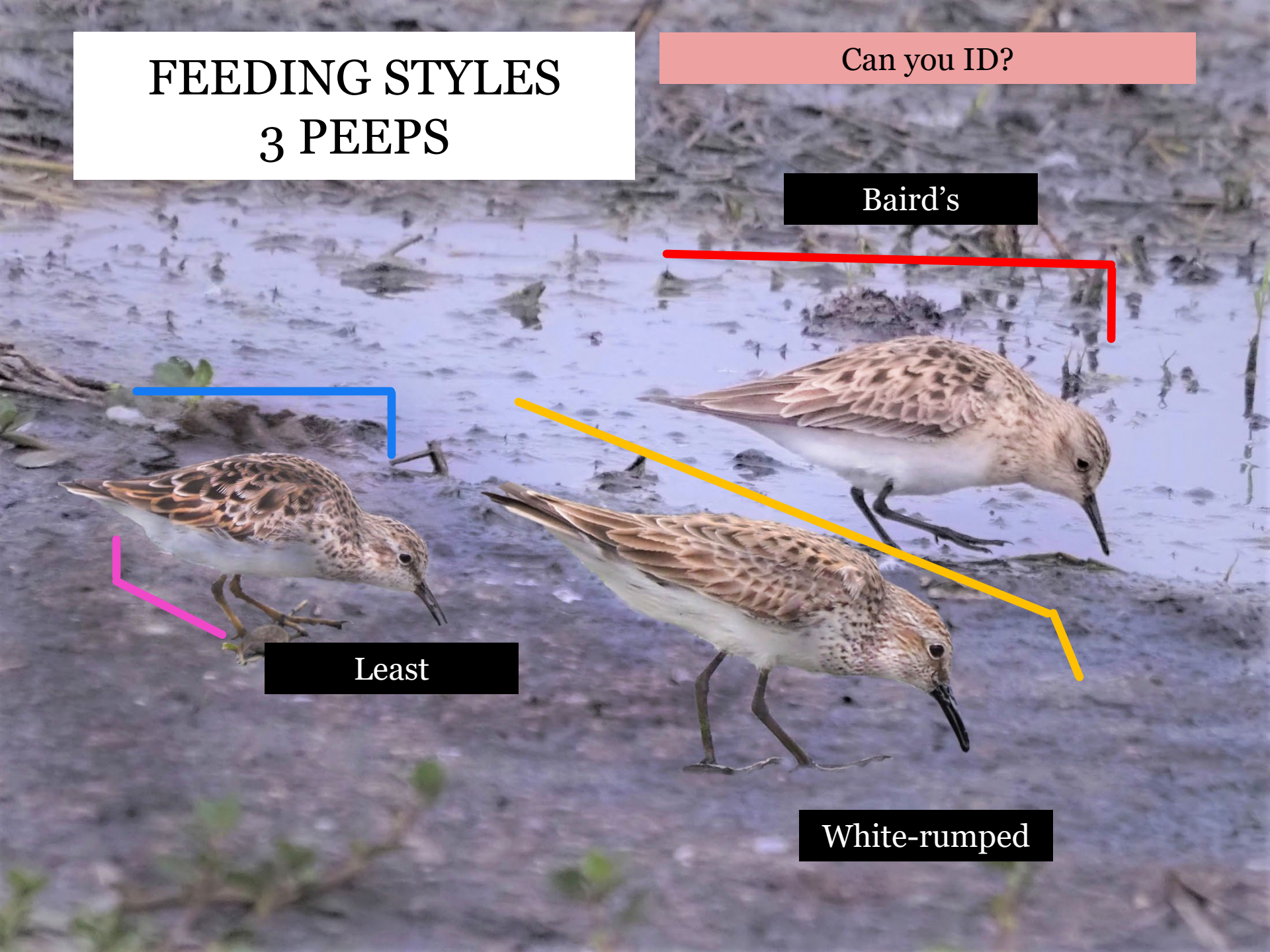
3 PEEPS

Can you ID?

Baird's

Least

White-rumped



White-rumped



Photo by Jeffrey E. Patterson



White
rump

Photo by Jeffrey E. Patterson



CALIDRIS PEEPS



CALIDRIS PEEPS



Least



Western



Semipalmated



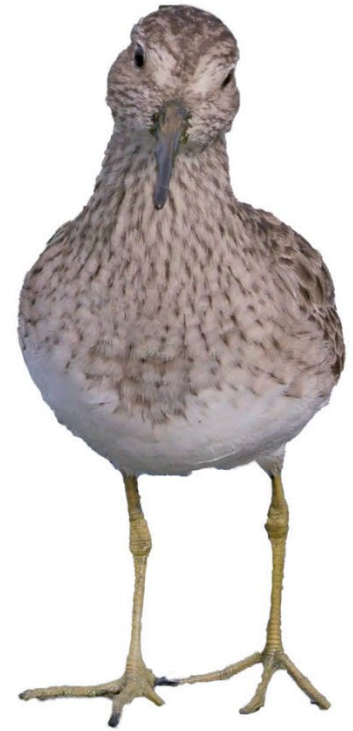
White-rumped



Baird's

GROUP QUIZ

3 Brown Birds



Photos by Jeffrey E. Patterson



Paintings by David A. Sibley

3 Brown Birds

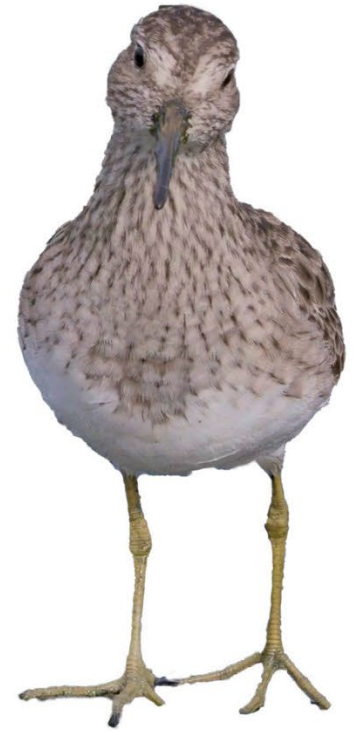
Least



Baird's



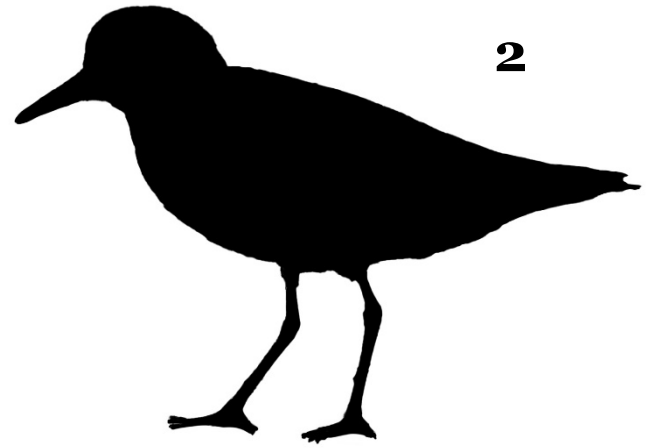
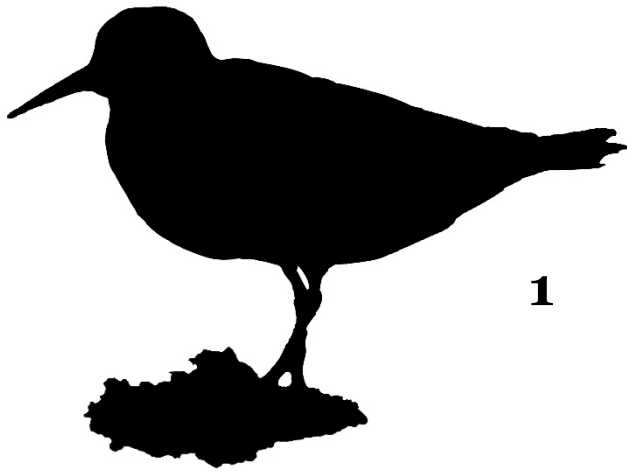
Pectoral



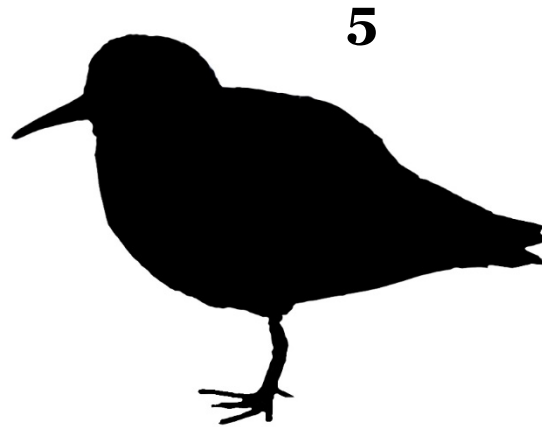
Photos by Jeffrey E. Patterson



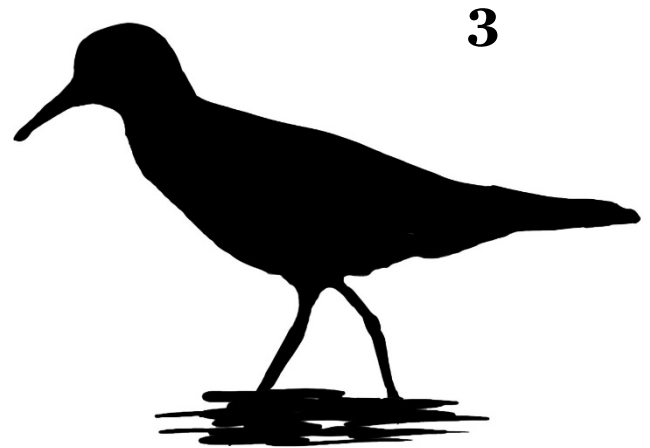
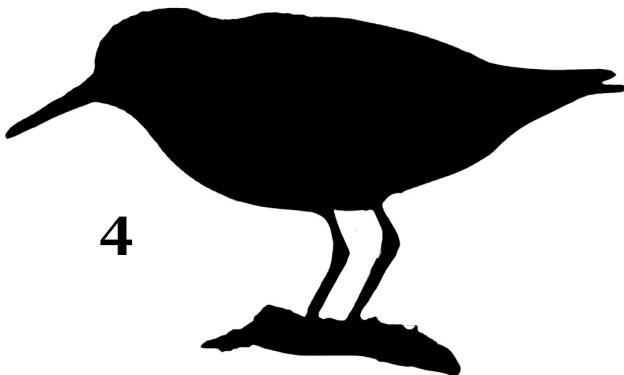
Paintings by David A. Sibley

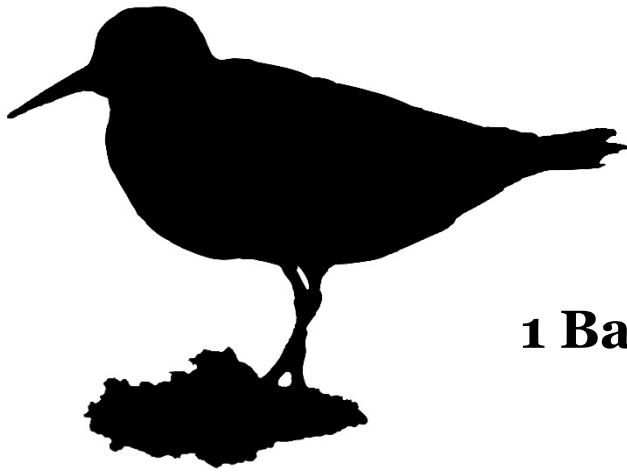


And tell me
why?



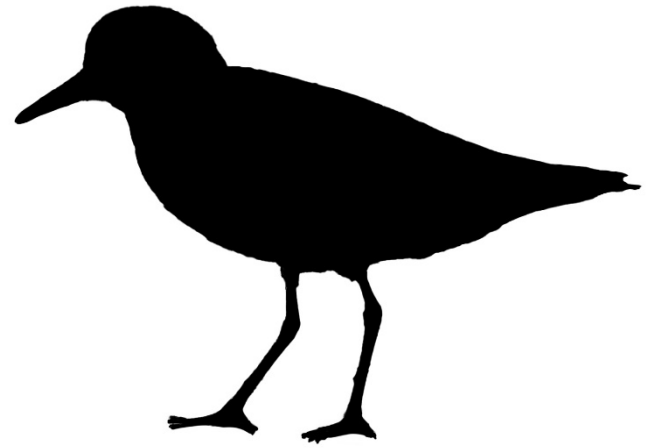
Can you name
them?





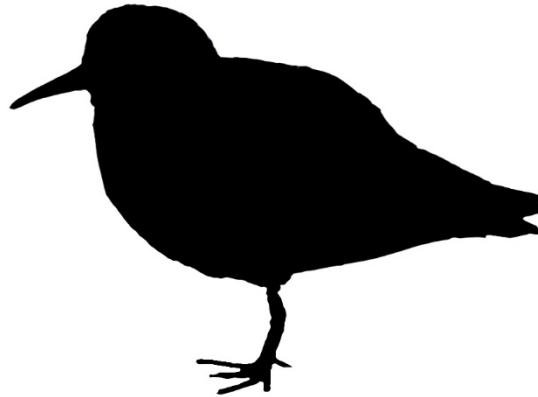
1 Baird's

2 Semipalmated



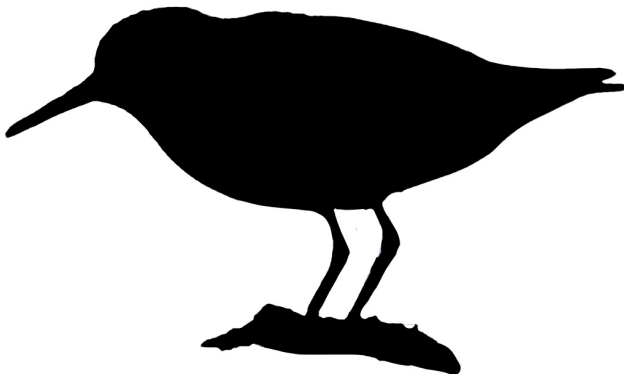
5 Least

And tell me
why?

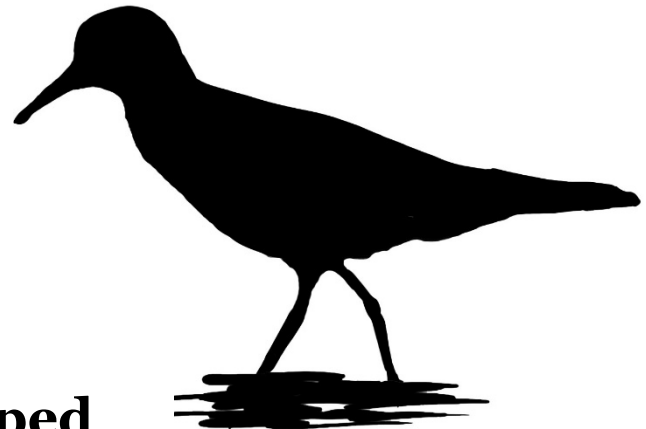


Can you name
them?

4 Western



3 White-rumped

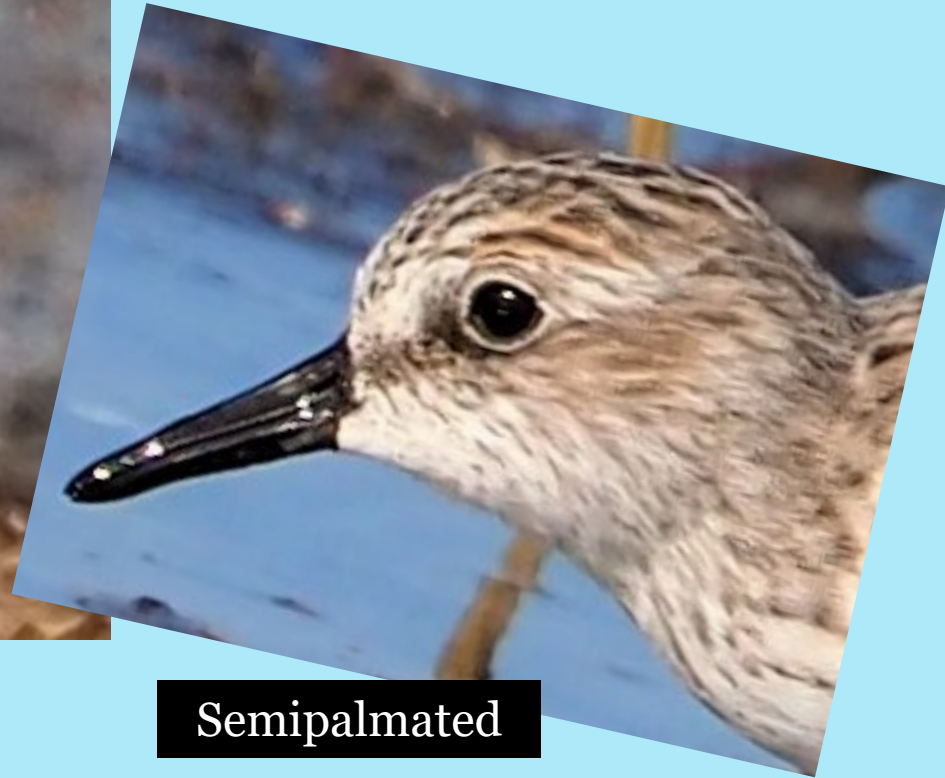


Can you ID?

Least



Semipalmated



Can you ID?

Semipalmated



Western



Can you ID?

White-rumped



Least



Can you ID?

White-rumped

Semipalmated

Least



White-rumped

Can you ID?



Photo by Deny Swaby

Baird's



Photo by Brian Sullivan

Can you ID?



Baird's



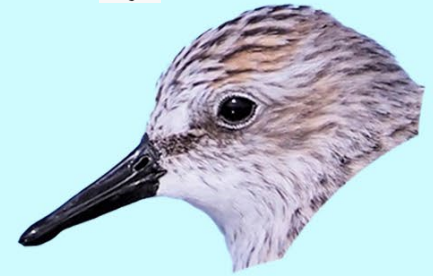
Pectoral

Photos by Jeffrey E. Patterson

Where's
Western ?



Western



Least

Where's
Least ?



Western



Photos by Jeffrey E. Patterson

Jan Feb Mar **Apr** May Jun Jul Aug Sep Oct Nov Dec



Photos by Jeffrey E. Patterson