

Swan & Goose **ID**entification

It's Important to Know



Reports from wildlife watchers and sportsmen will help the biologists monitor the recovery of trumpeter swans (*Cygnus buccinator*). Positive identification is essential, as trumpeters often mix with flocks of the relatively common tundra (whistling) swans (*C. columbianus*) throughout their migration and winter range. Distinguishing trumpeters from tundras is not easy, but it is possible by paying close attention to a few distinctive characteristics.

The mute swan (*C. olor*) is an introduced Eurasian species that occurs in North American avicultural collections and in the wild primarily along the east coast, Great Lakes and in other limited areas of the United States and Western British Columbia. It is included here for clarification in those areas where it occurs with our native trumpeter and tundra swans.

VOICE Some of the best ways to spot differences between the five species are calls: an absolute method of species identification.

Trumpeter: resonant, sonorous, loud, low-pitched, bugle like call.

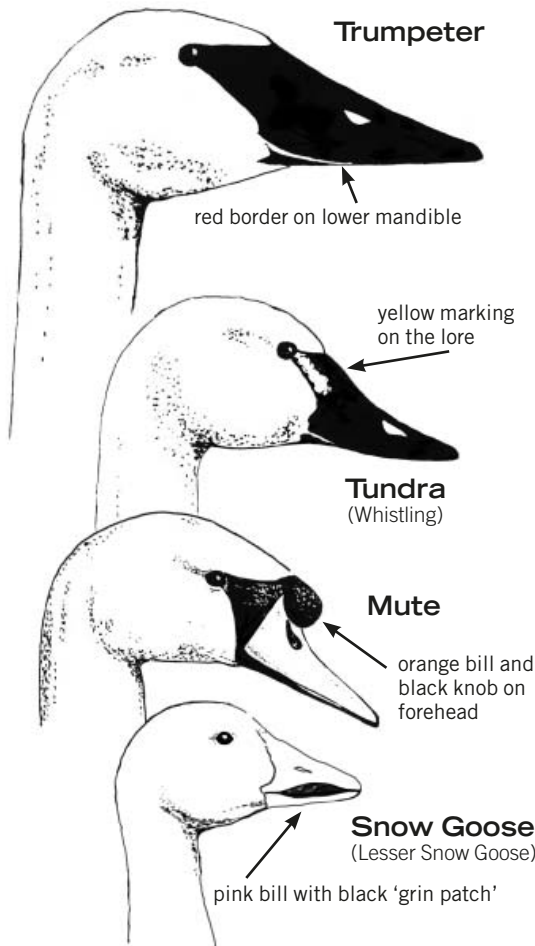
Tundra: high pitched often quavering oo-oo-oo accentuated in the middle; or who, who-ho: woo-oo-woo; or who-who.

Mute: generally silent but not 'mute'; hissing sounds are common and occasional snorting noises.

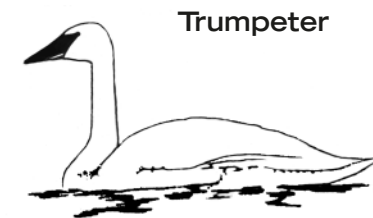
Canada Geese: Ha-lonk, ha-lonk

Snow geese: high pitched awu-unk, awu-unk and kuk, kuk, kuk

Head Profiles



Trumpeters, afloat, on shore, resting, or in a mild state of alertness, generally have the neck kinked back at the base so that it appears to rise from the forepart of the back forming a reverse angular C-shape (swimming swan) rather than from the very front of the body as in tundra swans. When in a state of alertness, trumpeters hold their bodies at an angle as compared to tundras which are held horizontal (standing swan). In general, body postures of trumpeters are angular and tundra postures are curved or round. **Mutes** generally hold the neck curved gracefully and bill pointed somewhat downward. Wings may be arched over back giving a bulky appearance. Also, note size comparison – especially the length of neck – between swans and geese. See flying, standing, and swimming graphics throughout this brochure.

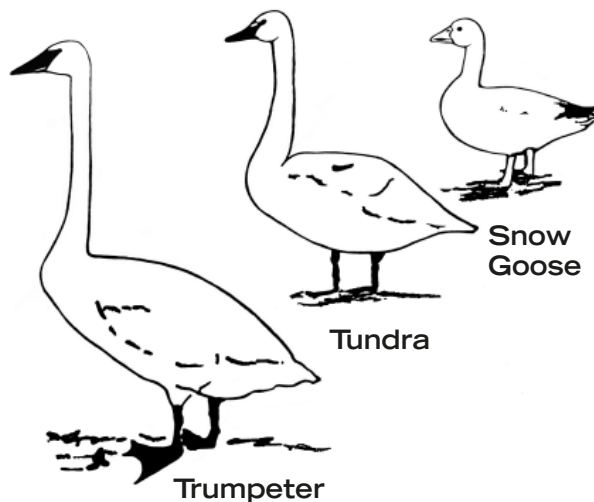


Proportions of the neck to body length

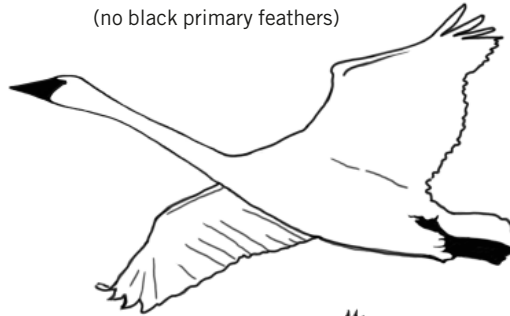
Trumpeter swans have longer necks in proportion to their body lengths than do **tundras**. There is no standard ratio formula, but this is a noticeable characteristic when the birds are either standing or swimming. It is not reliable in flight.

Size Information

	Wing Span	Weight	Length
Trumpeter	84-96 in.	21-30 lbs.	60 in.
Tundra	72-80 in.	13-18 lbs.	52 in.
Mute	82-94 in.	20-30 lbs.	57 in.
Snow Goose	36-44 in.	4-6 lbs.	27 in.



Trumpeter Swan
(no black primary feathers)



Snow Goose
(black primary feathers,
short neck)



Flight Profiles and Takeoff Behavior

Trumpeter swans, following the takeoff run and just as they become airborne, will pull their necks into a shallow “S” curve. This is seen only for a very brief time during their first wing beats to stay airborne.

Tundra swans hold their necks straight the entire time of the takeoff run and initial flight. This characteristic applies to both land and water takeoffs.

Trumpeter swans may be the last birds in a mixed flock to take off. They may stay up to one or more minutes longer than the tundra swans. This happens when trumpeter and tundra swans occur together but are not entirely intermingled (trumpeters remain at one end of the flock as a group). This is a subtle characteristic for separating trumpeters from tundras and must be used in conjunction with other identification methods.

Note the differences in size and color between swans and snow geese. **Swans** are large all-white (adult) or gray (juvenile) birds with a wing span of 6 to 8 feet. **Snow geese** of all ages have black wing tips and a wing span of about 3 feet.

Canada Goose—black neck and head with a white cheek patch; dark body in varying shades of gray-brown with the rear 1/3 being white. The tail is black. They have a short neck, and a flight pattern similar to snow geese.

IMPORTANT: Some trumpeter swans are marked with identifying neck bands. Please note the collar color and number or letters as well as date and location.

For additional information on swans or to report swan sightings contact:

● **The Trumpeter Swan Society – WA Field Office**

Martha Jordan

PMB 272

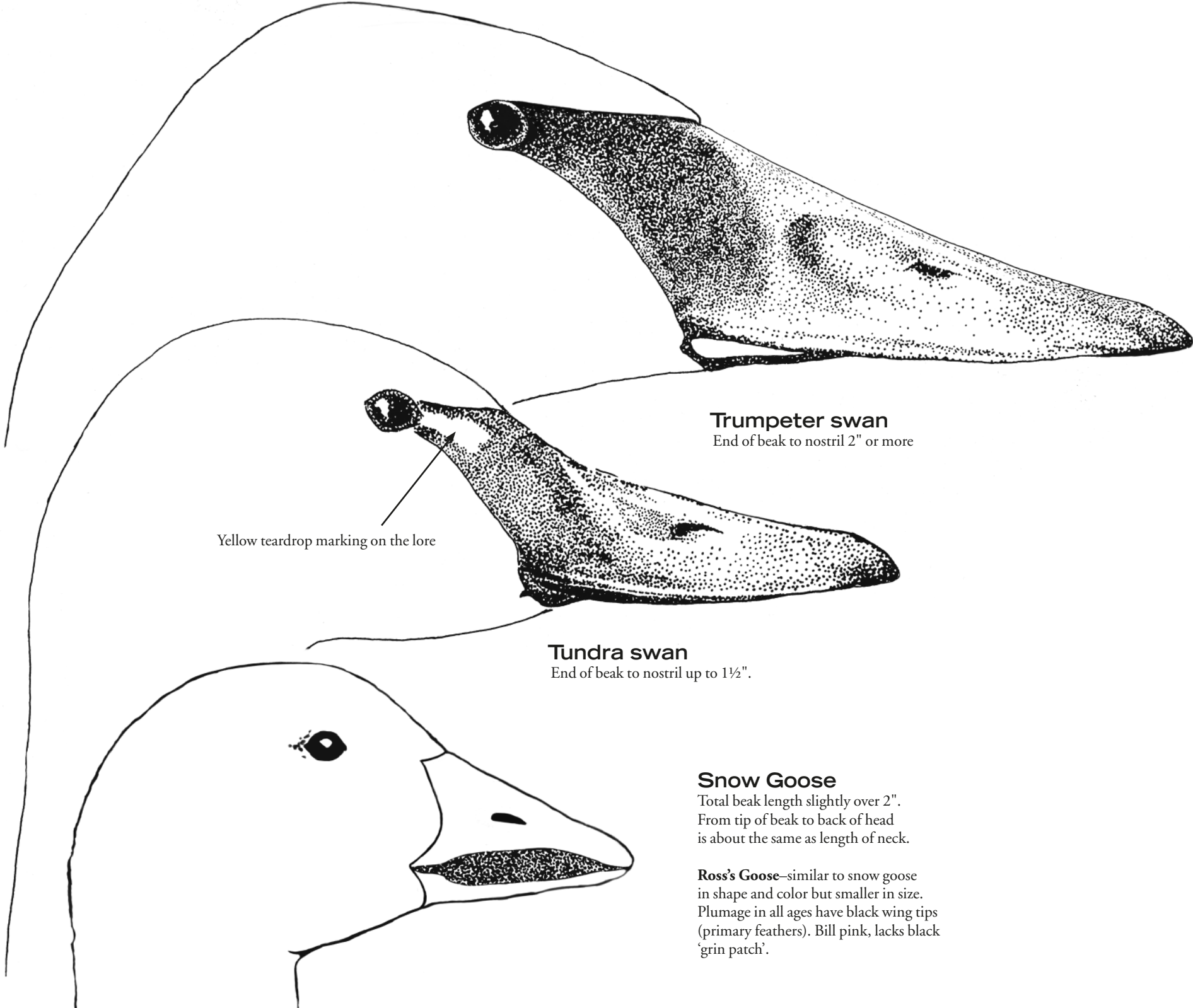
914 - 164th St. SE Mill Creek, WA 98012

phone: 425-787-0258

www.swansociety.org

swaninfo@swansociety.org

For more information on swans or for additional copies of this identification brochure, contact the **TTSS Washington Field Office**



Trumpeter swan

End of beak to nostril 2" or more

Yellow teardrop marking on the lore

Tundra swan

End of beak to nostril up to 1½".

Snow Goose

Total beak length slightly over 2".
From tip of beak to back of head
is about the same as length of neck.

Ross's Goose—similar to snow goose
in shape and color but smaller in size.
Plumage in all ages have black wing tips
(primary feathers). Bill pink, lacks black
'grin patch'.

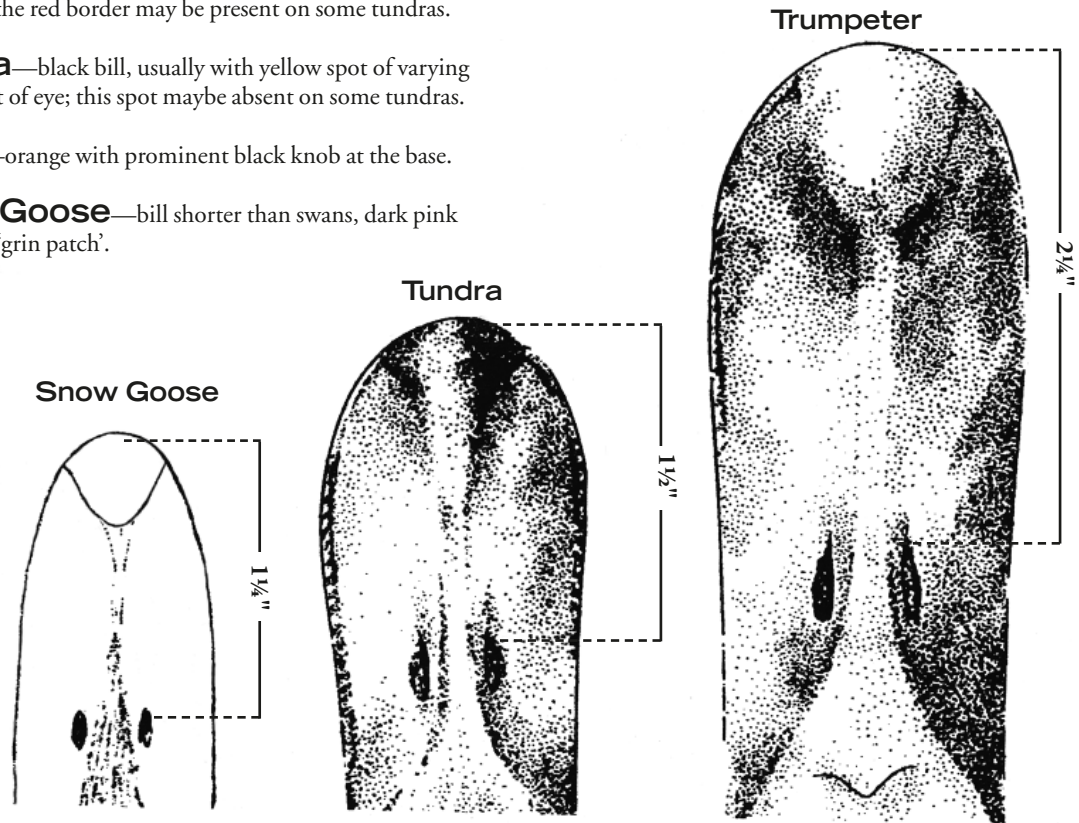
●●● Bill Color

Trumpeter—black bill with red border on lower mandible; the red border may be present on some tundras.

Tundra—black bill, usually with yellow spot of varying size in front of eye; this spot maybe absent on some tundras.

Mute—orange with prominent black knob at the base.

Snow Goose—bill shorter than swans, dark pink with black 'grin patch'.



Head and Neck Movement ●●●

Trumpeter swans frequently bob their head and necks up and down (head bobbing). With this motion they also have a variety of vocalizations. This combined activity apparently serves as a form of communication between individuals and within the group. Head bobbing and vocalization activity increase when the birds are disturbed and reaches maximum intensity just prior to the birds taking flight. This behavior may be brief or absent if the birds are suddenly startled and take flight.

Tundra swans do not bob their head and neck in this manner. Occasionally tundra's will nod only their head up and down. There is no defined preflight display as in the trumpeter. While vocalizing they may hold their head and neck out at a 45° angle.

●●● Head and Bill Shape

Trumpeter—bill heavy in proportion to head with a straight profile. Angular head shape somewhat resembling canvasback duck. Eye not distinct from bill.

Tundra—bill more dish-shaped in profile, bill smaller in proportion to head compared to trumpeter. Head smoothly rounded; eye usually distinct from bill.

The shape of the head profile may vary between individual birds. Tundra swans especially, have a wide range of head-bill shapes, some having very obvious concave bills, while others appear straighter. Look carefully at the eye area for any yellow on the lore and to see if the eye is distinct from the bill.

Snow Goose—less than one-half the size of a swan; total bill length is about 2"; bill is shorter compared to head length than in swans; bill does not extend very close to eye. Neck length is about the same length and distance from tip of bill to back of head.

Juvenile Identification—both *Trumpeter* and *Tundra* juveniles have a gray body coloration. *Tundra* juveniles are brighter silvery gray with black legs and feet. *Trumpeters* are darker sooty gray, especially in the head and neck area, leg and foot color is primarily yellow-orange mottling with some black. From late December on, *Tundra* juveniles begin turning white and by mid March are nearly all white. *Trumpeters* remain dark gray. *Tundra* bill color is usually mottled pink with black tip; *Trumpeters* are black at base and tip with a pink middle. Bill color late in the season gradually fades from pink with black borders to all black in both species.

Mute juvenile plumage white with brownish splotches; bill gray with black base. Legs and feet are black.

Snow goose juveniles are gray with black wing tips. Bills are grayish in color.

CAUTION

Exercise caution and respect while watching and photographing wildlife—For species like trumpeter and tundra swans and snow geese, continual disturbance during the critical months (winter and spring) can lead to increased deaths from stress-induced disease and can result in nesting failure on northern breeding grounds. Please leave feeding and resting birds alone.

Stay in your car—it is an excellent observation and photographic blind.

Move slowly and quietly—when you do get out to hike, bike, canoe or kayak.

Use binoculars, spotting scopes and telephoto lenses—they allow you to sneak up on wildlife without leaving your car or disturbing their normal activities.

Respect private property—do not trespass onto farm fields or other private property to 'get a closer look'.

NOTE Sportsmen must exercise caution while hunting snow and Canada geese. Swans may mix with these geese and in the excitement of the hunt, shooting mistakes can occur. Trumpeter and Tundra swans are protected in Washington and many other states.

Use Non-toxic shot while hunting.

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