# Stone Canyon Creek BIRD CENSUS FORM

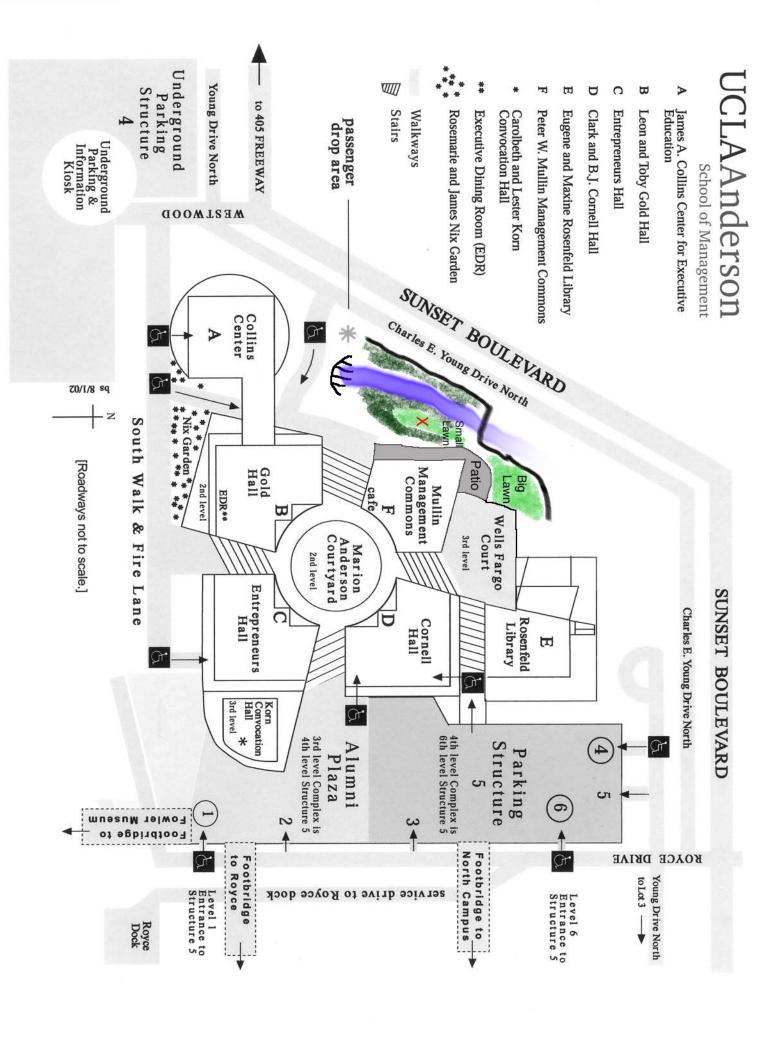
### **INSTRUCTIONS**

The goal of this bird census to get some idea of the species composition and relative abundance of birds at Stone Canyon Creek. By counting birds from a set location for a set duration, we'll gather data that can be directly compared to data collected at other times using the same protocol. Here's what to do when you conduct a bird census:

- 1. Go to Stone Canyon Creek; it's located behind the Collins Building at the Anderson Business School.
- 2. Next, simply start counting birds and filling in the chart as you go. Start at the "center" of the count area, the red X on the attached map, but feel free to move around as much as you need to in order to get a better view of birds in the area (you can move north to the Big Lawn and south to the grated culvert). Under "Qty" write the number of a particular species observed, check "S" if the species was seen, "H" if it was heard. Use the notes section to write down characteristics of unknown birds or describe how the birds you're observing are using the stream area.
- 3. End the count after 10 minutes. If you find new birds after that, begin a new census or just make a note of them.
- **4.** After your count, send an e-mail of your results to <u>creeksurvey@birdsofwestwood.com</u>, or drop them off in the marked envelope of the M.E.M. Botanical Garden Office, or in the CALPIRG box outside 160 Kerckhoff.

**TIPS:** Once you've identified a bird, move on and try to find and identify others. If there's a bird with which you're unfamiliar, jot down some brief notes describing it and then move on to counting other birds around you. Also, only count birds in the stream area; if you hear a bird far away or see one flying high overhead, make a note of it, but don't count it. Finally, try to keep track of individual birds and count each only once.

	C	OUN	T FOF	RM
Date: Weather/Conditions Affecting Count:	Observe	r(s):		
Weather/Conditions Affecting Count:	•			<u> </u>
START TIM	E:		_DURA	ATION:
Species Observed	Qty	S?	H?	Notes
Additional Species or Notes:				



## **Guide to Birds of Stone Canyon Creek**

Assembled by Bobby Walsh, photos by Jason Finley, Sean Hoppes, Jay Fahlen, and Bobby Walsh.

The guide is far from comprehensive, but it, along with the recordings of birds available for download, will hopefully allow you to identify a number of the birds that live near Stone Canyon Creek.

The best way to use this guide would be to familiarize yourself with it first and *then* go out into the field, preferably with binoculars. In that way, when you see a new bird you won't need to juggle the tasks of observing it and leafing through a list of things it might be all at once.

Also be sure to listen to the bird recordings before heading out (don't worry, they're not very long), because noting the sounds a bird makes can help a lot in identifying it. If you can, it would be a good idea to bring the sounds with you on an mp3 or CD player, that way you can listen to them again soon after you've heard a bird.

Birds are grouped here not taxonomically but behaviorally. That is, apart from 5 distinct & familiar birds, all other species are classified either as "skulkers", "gleaners", or "chatty flockers" based on what you'll most often see them doing.

- ~ *Distinctive/Familiar* species are those that are either familiar or distinct enough to make identifying them very straightforward. The birds that immediately provoke a mental image—crow, robin, hummingbird, woodpecker—fall into this category, as does the black phoebe, a highly visible bird with a unique appearance and behavior.
- ~ *Skulkers* are birds that move stealthily through low vegetation and are infrequently seen, though often heard. If you see a bird moving through low brush, staying well out of sight, check this category first. Two towhees, a sparrow, and a thrush are included.
- $\sim$  *Gleaners* are in some cases like skulkers in that they move through dense vegetation, but they tend to be much more energetic. All birds in this category are relatively small and always on the move, flitting from tree to tree or shrub to shrub in search of insects that they glean from leaves and branches. This category includes the two common wrens, kinglets, and a number of warblers.
- ~ *Chatty Flockers* are those birds who you'll never or only rarely find away from a group. These groups tend to be noisy ones. Waxwings and bushtits represent the ultradevoted end of the flocking spectrum while house finches and lesser goldfinches form somewhat looser groups. If you see a rather loose or casual flock, however, its constituent species need not be in this category—crows and some warblers, for example, can also travel in groups.

So if you're completely stuck as to where to begin with identifying a bird, start by looking at what it's doing, and then investigate the members of the category into which it falls. Taking notes is also a great idea. In this way, you can remember precise details long after the unknown bird has flown away. If you go straight to the guide in the field, it's likely the bird will fly away before you find its match and that you won't remember as many details as if you had simply watched the bird rather than tried to immediately identify it.

There will inevitably be some species encountered that are not on this list. To determine their identity, start by consulting Birds of Westwood (<a href="http://www.birdsofwestwood.com">http://www.birdsofwestwood.com</a>), and if that fails, look to a normal "Field Guide" for birds (available at the College and Biomed library) such as the *National Geographic Field Guide to the Birds of North America*. Good luck birding!

# **DISTINCTIVE & FAMILIAR BIRDS**

ANNA'S HUMMINGBIRD $\sim$ 4" You'll often hear these hummingbirds giving a distinctive, scratchy-squeaky call. When not feeding, they tend to perch in one place and allow a fairly close approach. Be sure to compare to Allen's Hummingbird (see "Confusing Pairs" page).
NUTTALL'S WOODPECKER ~ 7.5" Despite their bold patterning, Nuttall's Woodpeckers are more easily heard than seen. They give a loud, harsh rattling call that almost has a machine-gun quality. You probably won't hear them drumming against wood – their rattle call is far more often heard. Males have a red patch on their crown. Compare to Downy Woodpecker (see "Confusing Pairs" page).
BLACK PHOEBE ~ 7" A cheerful little bird with black upper parts and a white belly. You'll usually see it perching out in the open giving a high-pitched "chip!" call and bobbing its tail. It darts out to catch insects in flight or off the ground. Common at the creek; usually seen singly.
AMERICAN ROBIN ~ 10" We're used to seeing robins pulling earthworms out of lawns, but these birds also spend much of their time up in trees. Be sure to listen to its vocalizations – often heard after dawn and near dusk.
AMERICAN CROW ~ 18"  Hopefully you know what a crow looks like! They're big and black and, well, that just about sums them up. If your "crow" looks unusually large, compare it to the Common Raven (see "Confusing Pairs" page). Crows usually travel in groups and are much more frequently encountered at the creek than ravens.

# **SKULKERS**

<b>HERMIT THRUSH</b> $\sim$ 7" One of the shyest birds around. They are usually found quite low to the ground and are always in or near dense cover. Listen for it's rather sharp " <i>chut</i> " call and then look for movement. Brown back with white breast and underparts. Numerous dark spots extend from the throat to belly.
<b>SPOTTED TOWHEE</b> $\sim$ 9" A beautiful bird with rufous-colored sides and black back with whie markings on the wing. White belly. Demonic little red eye. The only time this bird isn't stealthy is when singing; it will pick an open perch and give a long, buzzy call, something like "Thuuurrrrrrrr". (That's quite a lot of rs). Fairly common.
CALIFORNIA TOWHEE ~ 9" A very drab, uniformly brown bird except for a splash of pale orange-red near the base of its tail. Its song is a series of metallic chips that accelerate in the pattern of a bouncing ball: chipchip-chip-chip-chchchchip. Call is one of those notes on its own. Very often heard near the creek.
SONG SPARROW ~ 6" These birds like low, brushy vegetation. They are basically a brown bird with coarse, dark streaks marking their white undersides. Rather stocky birds. Make a distinctive call, something like a loud, flat "Rhit!".

#### GLEANERS

GLEANERS		
	BEWICK'S WREN ~ 5 1/4"	
	See "Confusing Pairs" page for full treatment of the wrens.	
	HOUSE WREN ~ 4 <sup>3</sup> / <sub>4</sub> "	
	See "Confusing Pairs" page for full treatment of the wrens.	
	RUBY-CROWNED KINGLET ~ 4 1/4"	
	Tiny bird with attitude. All over the creek in winter and are often the first bird you'll hear – a somewhat scolding call. They're more or less green with some black and thin white barring on the wings and a prominent white eye-ring. Quite unafraid of humans. Hop around busily. Red crest usually not visible.	
	ORANGE-CROWNED WARBLER ~ 5"	
	An easy bird to miss if you're not looking for it. It's olive green-ness just	
	disappears into the vegetation. Usually fairly low in trees or near ground. Don't	
	look for an orange crown; you won't see it.	
	YELLOW-RUMPED WARBLER ~ 5 ½"	
	Another common winter birds, yellow-rumped warblers are usually found in loose flocks. The birds busily glean insects from trees and sometimes dart out to catch them in the air. Listen for terse little "chip"s and look for, as the name suggests, yellow rumps. Body is brownish-gray to gray with some darker streaking.	
	BLACK-THROATED GRAY/TOWNSEND'S WARBLER ~	
	5"	
	These are essentially the same bird; Black-throated Gray simply lacks all the yellow of the Townsend's. Both work at mid-level through trees. Not nearly as	
	abundant as Yellow-rumped Warblers, but you may encounter them flitting	
	through trees in search of insects. B.T.G. is on left, Townsend's on right.	
	COMMON YELLOWTHROAT ~ 5"	
	Another bird with attitude, yellowthroats are basically skulking, secretive	
	warblers. Males have a distinctive black face mask and yellow front, females (not pictured) are the same minus the black mask and with a bit less or duller	
	yellow on the throat.	
	WILSON'S WARBLER ~ 4 3/4"	
	This last warbler is an active little ball of yellow feathers. Its back has more	
	greenish overtones and males have a tidy little black cap. Often seen in pairs. Usually a bird of summer, but some may linger through autumn.	
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#### **CHATTY FLOCKERS**



http://www.birdsofwestwood.com/creeksurvey.htm

## **TOUGH PAIRS**

Some birds are easy to confuse with one another, but if you know what to look (or listen) for, then you should be able to put a name to most birds that you'll observe. The critical, distinguishing features that allow you to make these IDs are called "field marks" as they are usually readily seen in the field. Below are a few of the more challenging species you may encounter and how to tell them apart:

#### The Wrens: House vs. Bewick's

Both wrens are mostly brown with lighter undersides and are behaviorally similar. They hop through dense brush and make calls that seem too loud and harsh to come out of such tiny birds. And, unfortunately, neither tend to give observers a very good view. Still, they can be told apart: look for the eyebrow first; it's the best single field mark.

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	BEWICK'S WREN	HOUSE WREN	
	Distinctive, bright white eyebrow	No eyebrow (or very faint) but distinct white eye-ring	0
	All gray bill	Yellow on lower bill	
The Park	Dark, grayish legs	Light, pinkish-gray legs	
	Flits tail (relatively longer than House Wren's, though it doesn't look that way here) side to side	Tail relatively shorter, may be cocked up but not really flicked side to side	THE REAL PROPERTY.

## The Hummingbirds: Allen's vs. Anna's

Anna's Hummingbird appears to be the more common at the creek, but Allen's could certainly wander over the creek. The basic rule is that Anna's are the green hummingbirds, allen's are the rufous(orange)-and-green ones.







Female and male Allen's Hummingbirds (left) and male and female Anna's Hummingbirds (right).

Note that there is always some brown or rufous(orange) on an Allen's Hummingbird regardless of gender: in males it's very widespread while on females it only shows up on the belly, flanks, and tail. Anna's hummingbirds, on the other hand, have no brown whatsoever and they have much more extensive green plumage covering their backs, tails, and flanks. Males of both species have bright pink-red patches on their throat/head called "gorgets". These can appear as dark patches unless the light hits them at the proper angle.

#### **Two Potentially Confusing Pairs**

It's easy to mix up American Crow/Common Raven and Nuttall's Woodpecker/Downy Woodpecker if you're just looking for, say a "really big black bird" or a "run-of-the-mill woodpecker," respectively. And most of the time, it would be OK to just look for those things as ravens tend to avoid the creek while crows love it and Downy Woodpeckers are relatively uncommon here while Nuttall's Woodpeckers are all over. Still, a couple of field marks will let you know that what you're looking at really is a crow or Nuttall's Woodpecker and not something else. (Note: cartoons are simplified for clarity – don't expect a bird in the field to match up to them)

Nuttal's Woodpecker	Downy Woodpecker
Back has a row of horizontal	Back has a big white rectangle
stripes	and spots, but no stripes

American Crow	Common Raven
Smaller (18" long) with	Larger (24" long) with very
slimmer beak than raven	heavy bill
In flight, look for "fan-shaped	In flight, look for soaring
tail" and constant flapping	(crows never soar) and "wedge-
	shaped tail"
*	4