

The date: 2/9/2021

The week number: 6

The walk number: 1597

The weather: 59 F; partly cloudy

The walkers: Alan Cummings, Viveca Sapin-Areeda, Chris Moreno, Lynn Harper

The birds (23)

7	Western	Bluebird
2	Red-whiskered	Bulbul
27		Bushtit
1	American	Crow
6	Mourning	Dove
14	House	Finch
21	American	Goldfinch
10	Lesser	Goldfinch
2	Anna's	Hummingbird
10	Dark-eyed	Junco
4	Ruby-crowned	Kinglet
2		Mallard
2	Northern	Mockingbird
2	Yellow-chevroned	Parakeet
3	Black	Phoebe
1	Say's	Phoebe
16	Band-tailed	Pigeon
10	Common	Raven
1	Lincoln's	Sparrow
1	California	Towhee
14	Yellow-rumped	Warbler
40	Cedar	Waxwing
5	Acorn	Woodpecker

Walk lasted between 12:00 and 14:10. Tournament Park still closed.

No record this week but there were a lot of birds. Lots of Cedar Waxwings and American Goldfinches, to name a couple. The big news is that I finished my bird entry project and there are new plots at

http://birdwalks.caltech.edu/bird_data/number_times_obs_by_week.htm

http://birdwalks.caltech.edu/bird_data/probability_obs_by_year.htm

and

http://birdwalks.caltech.edu/bird_data/estimated_prob_obs_2021.htm

The first shows the number of times a species was observed during a week over the years 1986-2020. This is handy to see when during the year you might expect to see a certain species. For example, Yellow-rumped Warblers are only in town from week 40 to week 16 of the next year. The second plot shows the probability of observing a species during a year and plotted from 1987 through 2020. There are very interesting trends and variations. Spotted Doves used to be common way back when but are long gone. Some species have trended down over the years and some have come on strong. There is an interesting dip in the probability for seeing Acorn Woodpeckers between 2010 and 2015. Finally, the third set of plots shows the probability a species was observed during a week based on the last 7 years of data, which I take as the estimated probability of seeing a species in 2021. I chose the last 7 years based on the probability of observation by year plots. I then used that data to make a check list for each week of 2021. There is a unique check list for each week and it shows the ~30-40 most probable sightings. I show below the filled out form for this walk and a slightly improved form for next week. The check list is arranged in alphabetical order by last name, so it is easy to find a bird in the list. The check list fits in my back pocket. In the improved version for next week, I show the minimum, median, and maximum from 1987-2020 (see http://birdwalks.caltech.edu/bird_data/species_time.html) and the predicted number (sum of probabilities for all birds for the week). Kind of neat, I think.

Alan,
2/11/2021

Walk 1597

check_list

Caltech Weekly Checklist

Date: 2/9/71
Week No.: 6
Weather: 59F partly cloudy
Walk start-stop: 12:01 - 12:16
Walkers: A.C. Vazara, Lynn Chong

Added many birds, many predicted

Name	prob
7 Bluebird, Western	0.57
7 Bulbul, Red-whiskered	0.71
27 Bushtit	0.86
1 Crow, American	1.00
6 Dove, Mourning	0.86
14 Finch, House	1.00
21 Goldfinch, American	0.29
10 Goldfinch, Lesser	1.00
Hawk, Cooper's	0.43
Hawk, Red-shouldered	0.43
Hawk, Red-tailed	0.86
Hummingbird (Selasphorus)	0.43
Hummingbird, Anna's	0.86
7 Junco, Dark-eyed	1.00
4 Kinglet, Ruby-crowned	0.71
2 Mallard	0.57
2 Mockingbird, Northern	0.71
2 Parakeet, Yellow-chevroned	0.57
Parrot, Red-crowned	0.43
3 Phoebe, Black	1.00
1 Phoebe, Say's	0.29
16 Pigeon, Band-tailed	1.00
10 Raven, Common	0.86
Robin, American	0.29
Scrub-Jay, California	0.29
Sparrow, House	0.43
Tanager, Western	0.29
Taraxia, Hermit	0.29
1 Towhee, California	0.86
Vulture, Turkey	0.43
Warbler, Orange-crowned	0.71
Warbler, Townsend's	0.71
Warbler, Yellow-rumped	1.00
14 Waxwing, Cedar	0.43
5 Woodpecker, Acorn	1.00
Woodpecker, Downy	0.29
Woodpecker, Nuttall's	0.29
Wren, Bewick's	0.86

Spurred, Lincolns

23

check_list

Caltech Weekly Checklist

Date: _____
Week No.: _____ Walk No. _____
Weather: _____
Walk start-stop: _____
Min: 15; Max: 21; Max: 20; Pred: 25.9
Walkers: _____

week 7

Name	prob
Bluebird, Western	0.57
Bulbul, Red-whiskered	0.86
Bushtit	0.86
Crow, American	1.00
Dove, Mourning	1.00
Finch, House	1.00
Flicker, Northern	0.29
Goldfinch, Lesser	1.00
Gull, sp.	0.43
Hawk, Cooper's	0.43
Hawk, Red-shouldered	0.57
Hawk, Red-tailed	0.71
Hummingbird (Selasphorus)	0.43
Hummingbird, Anna's	1.00
Junco, Dark-eyed	0.57
Kinglet, Ruby-crowned	1.00
Mallard	0.57
Mockingbird, Northern	0.86
Parakeet, Yellow-chevroned	0.29
Phoebe, Black	1.00
Phoebe, Say's	0.29
Pigeon, Band-tailed	1.00
Raven, Common	1.00
Robin, American	0.43
Scrub-Jay, California	0.29
Sparrow, House	0.29
Swift, White-throated	0.43
Titmouse, Oak	0.29
Towhee, California	0.57
Vireo, Plumbeous	0.29
Warbler, Orange-crowned	0.29
Warbler, Townsend's	0.71
Warbler, Yellow-rumped	1.00
Woodpecker, Acorn	1.00
Woodpecker, Nuttall's	0.71
Wren, Bewick's	0.57
Wren, House	0.29

