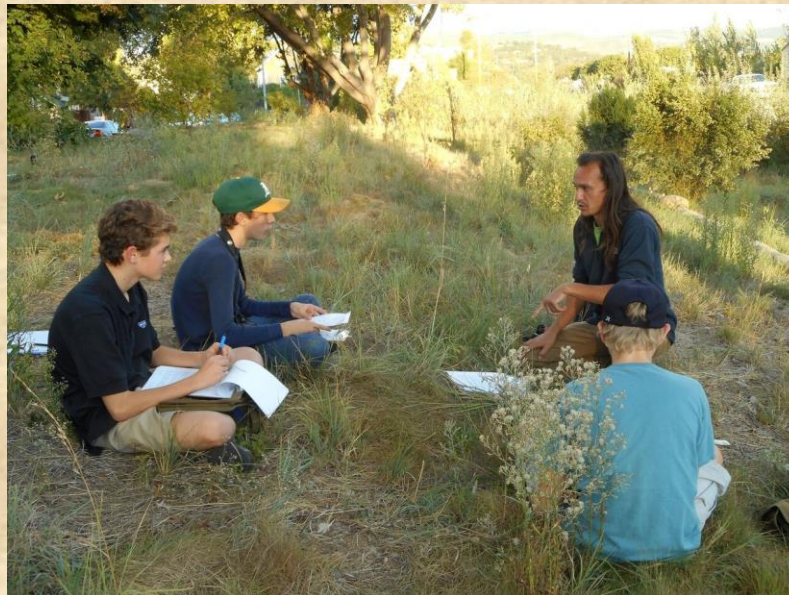




Napa Creek Bird Diversity Project

A Project of the Napa Creek Monitors



Napa Creek Restoration



Monitor Group Unites

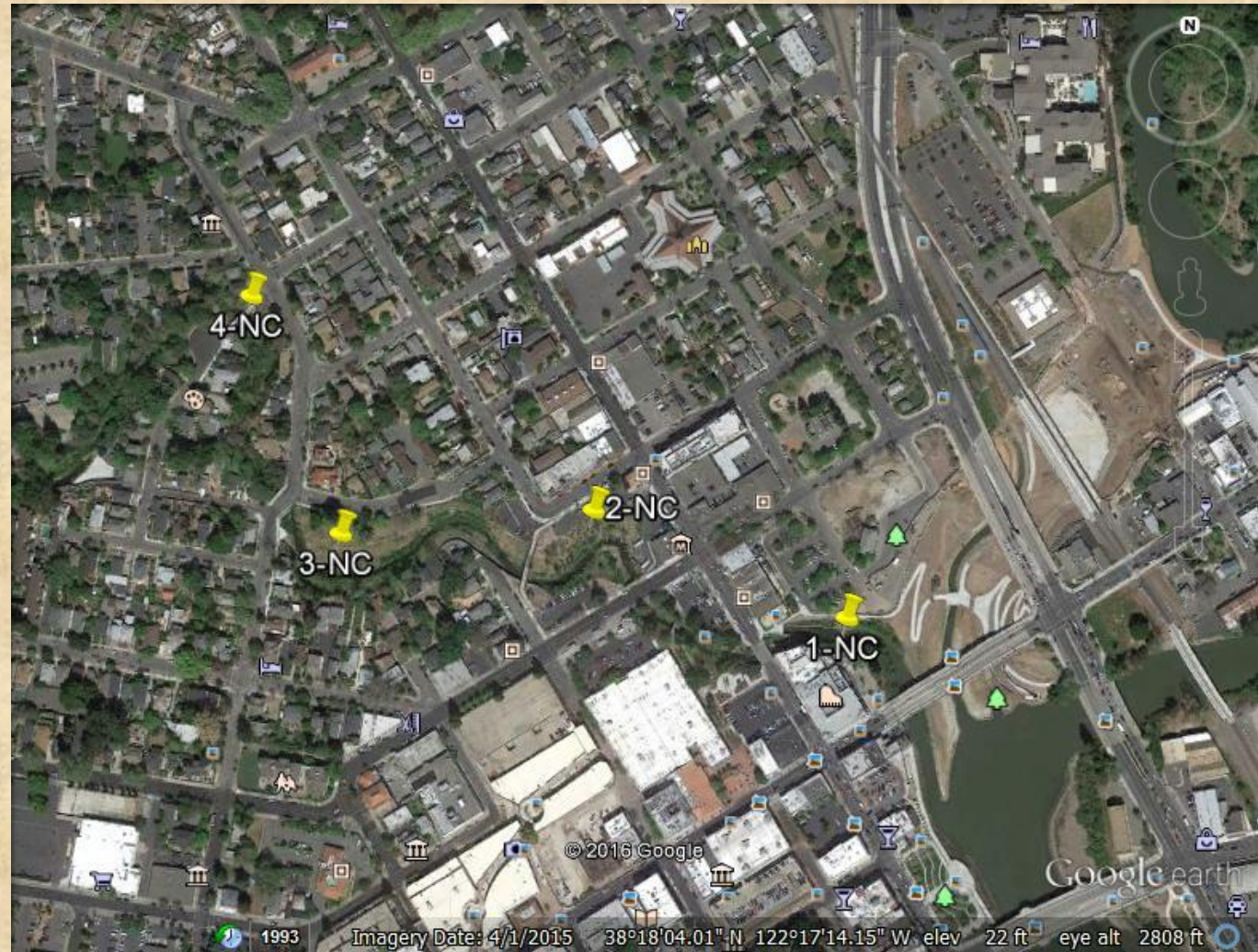


Study Design

- Sampling technique: **Point Counts**
- Duration: 4 seasons; 1 year
- Periodicity: twice/month
- Originally hoped to compare restored and non-restored: unable to access non-restored.

Survey Route

- 4 point counts
- 200m apart
- ½ mile of creek



The Points

1



2



3



4



Survey Protocol

- 8 minute surveys
- 1 observer, 1 recorder
- Survey at dawn!



Datasheet

Microsoft Access Database

The screenshot displays the Microsoft Access interface for a database named "Napa Creek Data". The main window shows a table with the following data:

ID	Date	Point #	Minute	Species	Distance	Call	Song	Visual	Habitat	Sex	Flyover	Number	Cluster	Notes	Click to Add
1	11/24/2015	1	1	UNGU	108	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input checked="" type="checkbox"/>	1			
2	11/24/2015	1	1	HOFI	12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	5			
3	11/24/2015	1	1	CEWA	26	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RR		<input type="checkbox"/>	3			
4	11/24/2015	1	2	MALL	17	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	4			
5	11/24/2015	1	2	AMCR	83	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input checked="" type="checkbox"/>	1			
6	11/24/2015	1	2	YRWA	13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
7	11/24/2015	1	3	UNGU	34	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	3			
8	11/24/2015	1	3	SNEG	50	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input checked="" type="checkbox"/>	2			
9	11/24/2015	1	4	CALT	28	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	2			
10	11/24/2015	1	4	BLPH	26	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
11	11/24/2015	1	5	SOSP	9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
12	11/24/2015	1	6	UNBI	58	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RR		<input type="checkbox"/>	1			
13	11/24/2015	1	6	RCKI	5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
14	11/24/2015	1	7	NOBI	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	0			
15	11/24/2015	1	8	NOBI	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	0			
16	11/24/2015	2	1	BUSH	16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	10			
17	11/24/2015	2	1	CALT	32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
18	11/24/2015	2	1	AMCR	107	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
19	11/24/2015	2	2	ANHU	24	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RR		<input type="checkbox"/>	1			
20	11/24/2015	2	2	RCKI	13	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
21	11/24/2015	2	2	BLPH	52	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RR		<input type="checkbox"/>	1			
22	11/24/2015	2	3	HOFI	44	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RR		<input type="checkbox"/>	1			
23	11/24/2015	2	4	YRWA	18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RR		<input type="checkbox"/>	1			
Total												4880			

The interface includes a ribbon with tabs for File, Home, Create, External Data, Database Tools, Fields, and Table. The Home tab is active, showing options for Filter, Sort & Filter, Records, Find, and Text Formatting. The left sidebar shows a list of tables and queries, with the "Data" table selected. The status bar at the bottom indicates "Record: 1 of 1572" and "No Filter".

Results

- 77 total species!

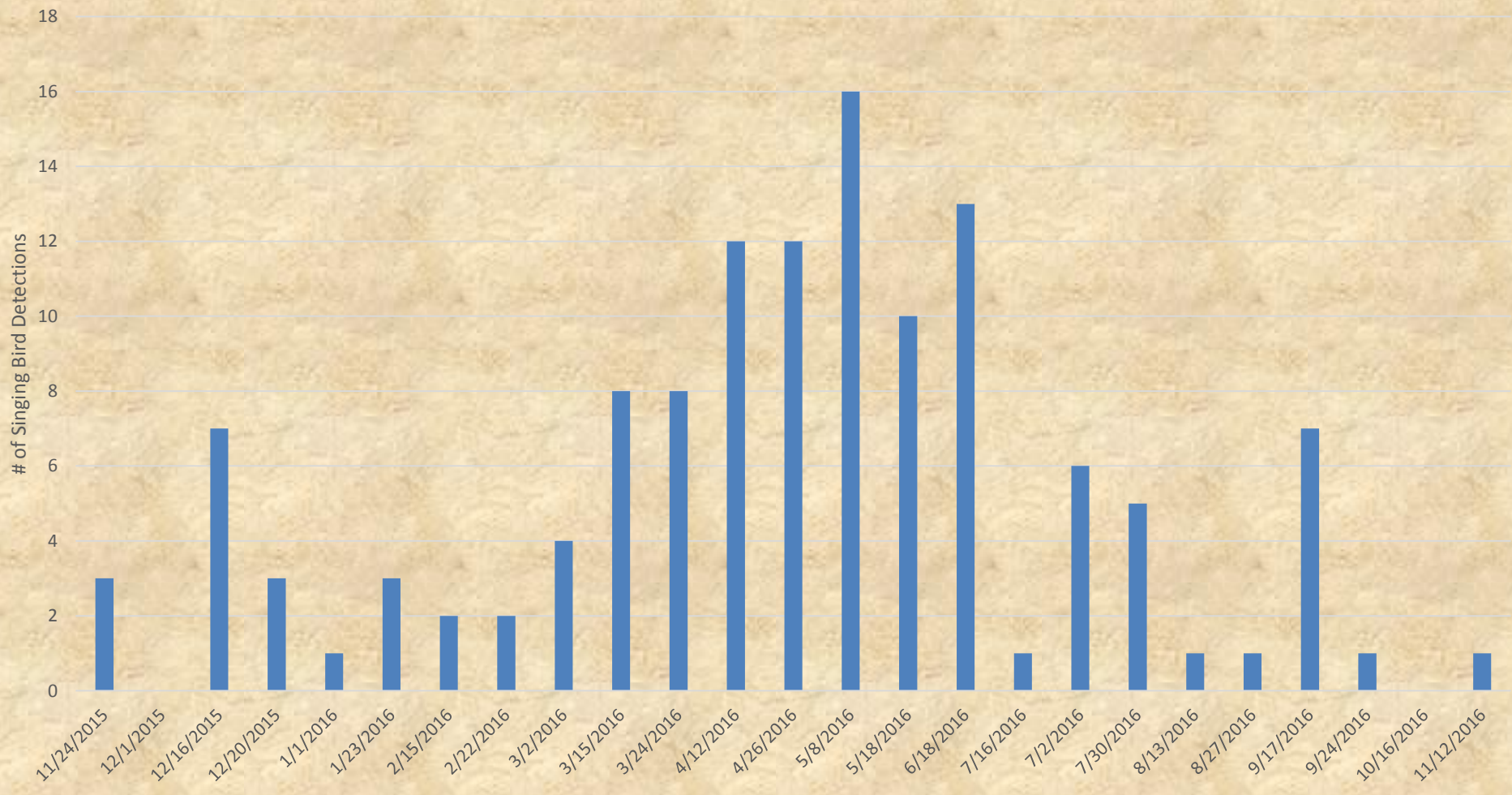
Expected Species



Bird Diversity by Date



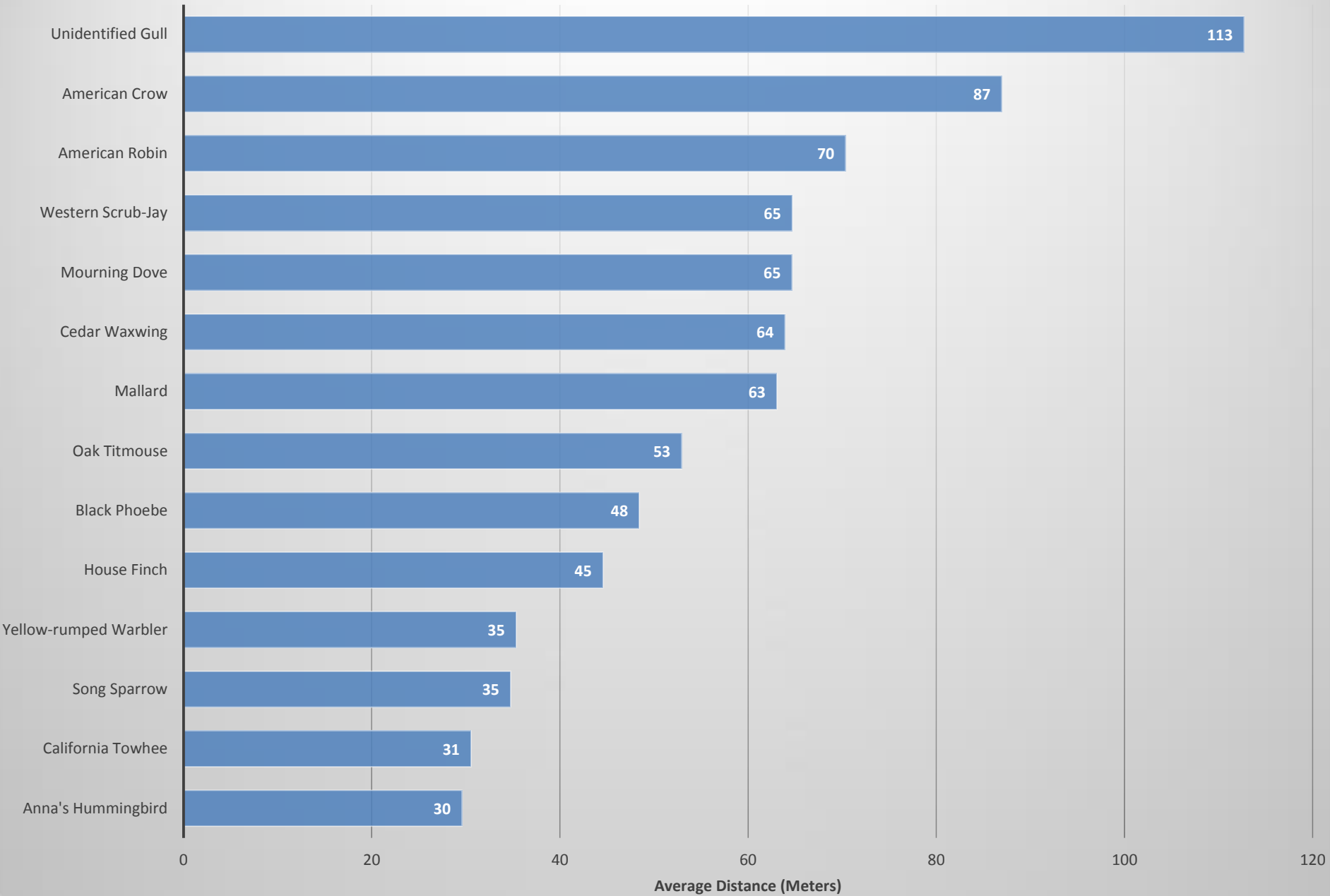
Singing Birds by Date



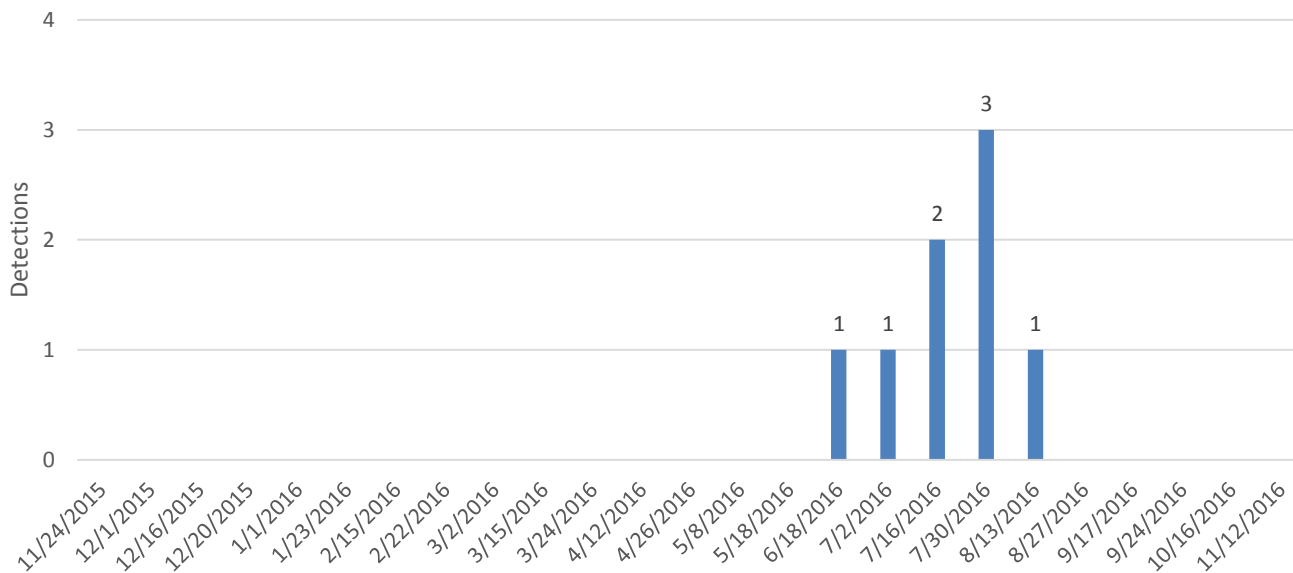
Unexpected Species



Most Common Birds by Distance

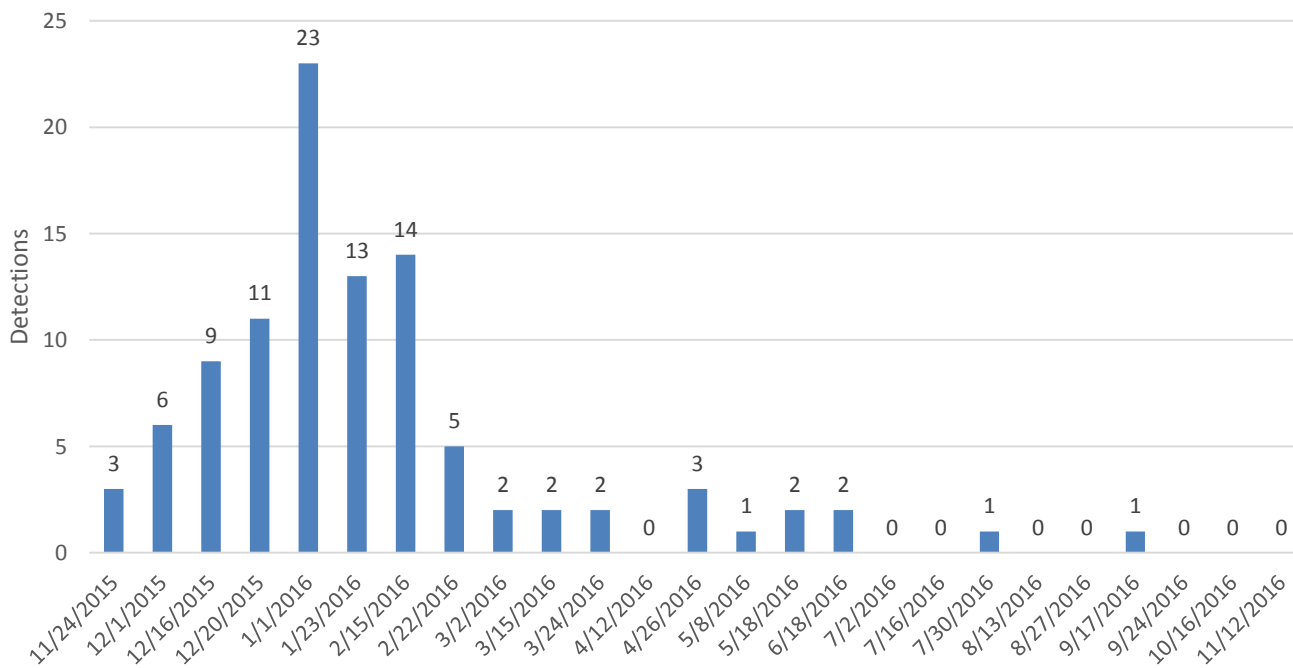


Hooded Oriole Detections by Date



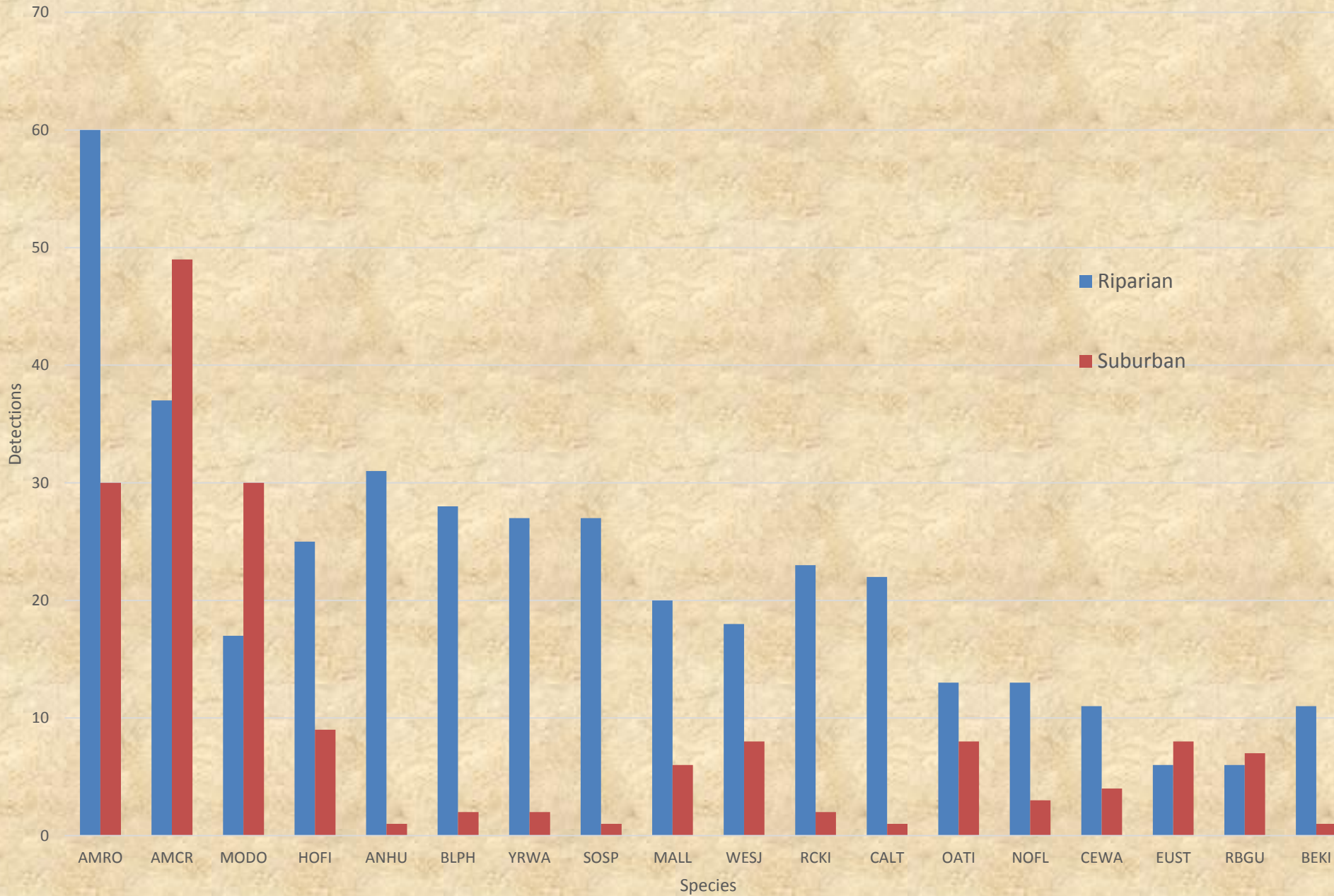
Summer Resident

American Robin Detections by Date



Winter Resident

Species Detections by Habitat



Thank You!