Bird Counts
Cargill Pond 7B, Redwood City, San Mateo Co., CA
Observations made from Bedwell Bayfront Park
Unless otherwise noted, all counts made within 3 hours of high tide
Blank cells = no birds
Bird seasons separated by two empty columns
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Date (MM/DD/YYYY)	9/14/2011	10/7/2011	10/30/2011
SEPL			
SNPL			
KILL			
BNST			
AMAV			
XYEL			
WILL			
WESA			
LESA			
DUNL			
XWSD			
XWLS			
XWLD			
XSMS			
CANG			
BUFF			
COGO			
UNGU			
TOTAL	0	0	0

NOTES: Numbers in red indicate that at least some birds were foraging

start count time		1535	1315	1310
end count time		1545	1330	1315
cloud cover (est.%)		0%	0	0
wind	slight		0 slight	
PPT		0	0	0

wind speed measured with Sper Sci. LTD Model 850070 Min. Env. Qual. Meter

CODE	SPECIES	CODE
BBPL	Black-bellied Plover	DUNL
SEPL	Semipalmated Plover	XWSD
SNPL	Snowy Plover	XWLS
KILL	Killdeer	XWLD
BNST	Black-necked Stilt	small shorebird
AMAV	American Avocet	CANG
XYEL	Greater/Lesser Yellowlegs	BUFF
WILL	Willet	COGO
WESA	Western Sandpiper	UNGU
LESA	Least Sandpiper	

11/13/2011	11/27/2011	12/23/2011	1/22/2012	2/12/2012	3/3/2012	3/25/2012	4/5/2012
					40		
						2	
	300		12	300			
						35	2
					3		9
0	300	0	12	300	43	37	11

				XWLS all foraging			XWLD all foraging	XWLD both foraging. One KILL on 7C/7B levee roosting	
	1445	1500	1140	1225		1445	1020	1410	1105
	1450	1510	1145	1235		1515	1028	1420	1115
	0	0	0	100		90	0	40	5
slight	very slight		0	0	slight-mod		0	5-8 mph	6-10 mph
	0	0	0	light showers		0	0	0	0

SPECIES	4/22/2012	5/6/2012
Dunlin		
Western Sandpiper/Dunlin		
Western or Least Sandpiper		
Western/Least/Dunlin		
"small shorebird" could include small *Charadrius* and/or small *Calidris* species		
Canada Goose		
Bufflehead		
Common Goldeneye		
Unidentified Gull	21	
	21	0

XWLD all foraging

	1350	1535
	1355	1545
	0	0
6-10 mph	2-5 mph	
	0	0

10/14/2012	10/28/2012	11/12/2012	12/2/2012	1/9/2013	2/9/2013	3/16/2013	4/6/2013	5/9/2013
					1			
					120			
			60		8	105		
0	0	0	60	0	129	105	0	0

					BNST,XWLD and UNGU all birds foraging	74 plovers, all identifiable are BBPL roosting on 7C/7B levee		
1230	1240	1202	1525	1220	1329	1618	1204	1605
1235	1250	1210	1530	1230	1335	1635	1210	1610
70	0	0	95	100	0	1<	100	2
1-3 mph	1-3 mph	0-2 mph	0-3 mph	1< mph	0-3 mph	3-6 mph	0-2 mph	1-5 mph
0	0	0	0	0	0	0	0	0

9/15/2013	10/27/2013	11/22/2013	12/14/2013	1/2/2014	1/18/2014	2/20/2014	3/2/2014	3/16/2014
				100				
								3
								6
							5	
		250	400	150				300
0	0	250	400	250	0	0	5	309

LESA: 2
foraging +
3 roosting

1134	1735	1321	903	1139	1124	1444	1200	1135
1140	1744	1331	915	1155	1133	1456	1210	1145
5	100	5<	1	3	0	70	100	1
0-1 mph	5-10 mph	1-3 mph	0-1 mph	1-2 mph	0-1 mph	0-2 mph	0-2 mph	0-1 mph
0	0	0	0	0	0	0	0	0

4/1/2014	4/27/2014	5/11/2014	5/30/2014	8/8/2014	8/26/2014	9/19/2014	10/8/2014
2500							
2500	0	0	0	0	0	0	0

Two CANG
on east
levee
roosting

1414	1125	1110	1300
1426	1135	1115	1308
95	70	0	0
1-4 mph	0-2 mph	1-4 mph	3-5 mph
0	0	0	0

1318	1429	1158	1212
1324	1439	1208	1222
0	0	90	0
0-1 mph	0-1 mph	0-1 mph	1-3 mph
0	0	0	0

10/22/2014	11/5/2014	11/21/2014	12/4/2014	12/23/2014	1/8/2015	1/22/2015		2/7/2015	2/18/2015
	150	660							
								2	
					20	58		2	
				30	2			46	7
								7	
								12	3
								1	
	12	90						29	
				34		91			
		1200	3700						
					5				
					1	41		7	
			21	16				57	362
0	162	1950	3721	80	28	190		163	372

			XSMS: too far to separate all to species; one flock near enough to identify has a ratio of 20 SEPL:1 LESA, but that ration may not apply to all birds in the pond	XWLD: all foraging	BNST, BUFF and COGO all foraging. Male northern harrier flies in over levee.	BNST, XWLD and COGO all foraging	BNST, XYEL, WILL, LESA, WESA and COGO all foraging. AMAV: 16 foraging + 30 roosting.	AMAV: 4 foraging + 3 roosting. WILL all foraging. UNGU: 340 foraging + 22 roosting		
1343	1007	1016	930	1125	1223	1259	1248	1004		
1355	1125	1032	945	1140	1231	1313	1308	1020		
10	5	50	30	0	100	5<	100	100		
0-2 mph	0	0-1 mph	1-2 mph	0-1 mph	0	0-6 mph	0-1 mph	0-1 mph		
0	0	0	0	0	0	0	occ. light showers	0		

3/10/2015	3/18/2015	4/1/2015	4/16/2015	5/1/2015	5/17/2015	6/2/2015	6/17/2015	7/1/2015	7/16/2015
					1				
			7						
			1						
0	0	0	8	0	1	0	0	0	0

	2 BBPL, 2 AMAV, 1 WILL and 1 KILL roosting on 7C/7B levee top.	2 AMAV roosting together on top of 7C/7B levee.	LESA: 1 foraging + 6 roosting.	2 CANG on east levee sleeping. 1 CANG roosting 7C/7B levee					1 KILL roosting on east levee.
1445	944	1044	1030	1034	1155	1255	1517	1352	1248
1457	1000	1050	1041	1042	121	1305	1523	1358	1253
100	0	5	0	1	100	1<	1	75	0
0-7 mph	0-1 mph	1-3 mph	0-1 mph	0-1 mph	3-5 mph	1-5 mph	2-7 mph	1-6 mph	1-2 mph
0	0	0	0	0	0	0	0	0	0

8/3/2015	8/14/2015	8/31/2015	9/16/2015	9/30/2015	10/16/2015	10/29/2015	11/11/2015
							4
0	0	0	0	0	0	0	4

SNPL: all foraging

	1422	1223	1315	1344	1409	1245	1213	949
	1432	1231	1323	1354	1415	1253	1220	1003
1<	1<		0	95	100	1	0	0
8-10 mph	0-5 mph	1-6 mph	0-2 mph	0 mph	0-3 mph	0-1 mph	0 mph	
0	0	0	0	0	0	0	0	

11/25/2015	12/9/2015	12/23/2015	1/7/2016	1/21/2015	2/9/2016	2/24/2016	3/8/2016	3/25/2016	4/7/2016
						1			
				5	5			230	
						3		174	16
					143	6		47	59
		100			67				
		10			12		20	4	56
		150			138				340
			3030						
						38			
							4		
		110	27	200	185			13	
0	0	370	3057	205	550	48	24	468	471

		LESA: all foraging	NOT A HIGH TIDE COUNT - 3 hour window ended at 1258. XWSD: ratio of about 3 WESA: 1 DUNL. 30 foraging WESA, rest roosting with DUNL.		BNST: all foraging. WILL: 103 foraging, 40 roosting. WESA: 54 foraging, 13 roosting. LESA all foraging. DUNL: 10 foraging, 128 roosting. UNGU: 40 foraging, 145	XWLS all foraging, all other species roosting.	LESA: all foraging	BNST: 123 foraging + 107 roosting. AMAV: 117 foraging + 57 roosting. LESA: all foraging. WILL: 12 foraging + 35 roosting. UNGU: 10 foraging + 3 roosting.	AMAV: 3 foraging + 13 roosting. DUNL: 320 foraging + 20 roosting. WILL: 15 foraging + 44 roosting. LESA: all foraging.
1042	1009	924	1312	1132	1050	1230	925	1321	1127
1048	1016	939	1328	1139	1116	1242	939	1343	1143
30	100	0	20	30	30	5	20	1	60
0-4 mph	0 mph	1-12 mph	0-1 mph	0-2 mph	0 mph	0-1 mph	0-1 mph	3-7 mph	0-3 mph
0	0	0	0	0	0	0	0	0	0

4/21/2016	5/5/2016	5/17/2016*	6/2/2016*	6/15/2016	6/29/2016	7/16/2016	8/3/2016	8/16/2016	8/30/2016
					1	1			
7	4								
34									
200									
3									
244	4	0	0	0	1	1	0	0	0

AMAV: 2 foraging + 5 roosting. XWLS: all foraging. XWLD: 147 foraging + 53 roosting. CANG swimming in pond.	AMAV: 3 roosting, one swimming inwater, not foraging.	*Spotting scope not available today.	*Spotting scope not available today.		KILL foraging on top of east levee	KILL foraging on top of east levee			
1126	1058	1003	1046	948	901	1051	1248	1258	1248
1140	1106	1009	1052	954	908	1059	1254	1303	1253
95	100	0	0	10	0	0	0	0	0
0-1 mph	0-1 mph	0-1 mph	0-3 mph	4-6 mph	0-1 mph	2-4 mph	0-6 mph	3-6 mph	4-6 mph
0	0	0	0	0	0	0	0	0	0

9/13/2016	9/28/2016	10/18/2016	11/3/2016	11/16/2016	12/1/2016	Date (MM/DD/YYYY)
						SEPL
						SNPL
						KILL
						BNST
						AMAV
						XYEL
						WILL
						WESA
						LESA
						DUNL
						XWSD
						XWLS
						XWLD
				250	2700	small shorebird
						CANG
						BUFF
						COGO
						UNGU
0	0	0	0	250	2700	TOTAL

				small shorebirds all roosting	small shorebird all roosting	NOTES
1219	1232	1511	1512	1316	1311	start count time
1224	1238	1517	1519	1327	1323	end count time
20	0	0	10	1<	0	cloud cover (est.%)
2-5 mph	3-7 mph	1 - 3 mph	0-1 mph	4-7 mph	1-2 mph	wind
0	0	0	0	0	0	PPT