Bird Counts
Cargill Pond 7C, Redwood City, San Mateo Co., CA
Observations made from Bedwell Bayfront Park
Birds on inner east levee included in pond total
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
BBPL		
SEPL		
SNPL		
KILL		
BNST		
AMAV		
WILL		
WESA		
LESA		
DUNL		
XWLS		
XWLD		
CANG		
XSCA		
BUFF		
COGO		
UNGU		25
TOTAL	0	25

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

start count time	1520	1315
end count time	1530	1330
cloud cover (est.%)	0%	0
wind	slight	0
PPT	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	XWLS
SNPL	Snowy Plover	XWLD
KILL	Killdeer	small shorebird
BNST	Black-necked Stilt	CANG
AMAV	American Avocet	XSCA
WILL	Willet	BUFF
WESA	Western Sandpiper	COGO
LESA	Least Sandpiper	UNGU

10/30/2011	11/13/2011	11/27/2011	12/23/2011	1/22/2012	2/12/2012	3/3/2012	3/25/2012
5				16			
					2	1	
				15			
				5	2		
		30					
98			59	75	75	35	75
103	0	30	59	111	79	36	75

BBPL roosting on inner east levee								WILL and BBPL roosting on inner east levee		KILL roosting on inner east levee. LESA foraging on levee		KILL roosting on inner east levee			
	1300		1435		1450		1135		1210		1430		1000		1400
	1310		1440		1500		1140		1220		1440		1015		1405
	0		0		0		0		100		90		0		40
slight		slight		very slight			0		0	slight-mod			0	5-8 mph	
	0		0		0		0	light showers			0		0		0

SPECIES	4/5/2012	4/22/2012	5/6/2012
Dunlin			
Western or Least Sandpiper			
Western/Least/Dunlin			
"small shorebird" could include small *Charadrius* and/or small *Calidris* species			
Canada Goose			
Greater/Lesser Scaup			
Bufflehead			
Common Goldeneye			
Unidentified Gull			
		12	
	2		
	2	12	0

CANG roosting on inner east levee

XWLD all foraging in pond water

	1050	1330	1520
	1100	1345	1530
	5	0	0
6-10 mph		6-10 mph	2-5 mph
	0	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
	3							
4		4		4				
			65	6	30			
					48			
			2		3			
	25							
				2				
					10			
				13				
	60	65			5			
4	88	69	67	25	96	420	0	0

KILL roosting on inner east levee	BBPL and LESA on inner east levee	KILL roosting on inner east levee	BNST: all 6 foraging in pond. KILL and CANG on inner east levee	BNST: 18 foraging + 12 roosting. AMAV: 32 foraging + 16 roosting. WILL: 2 foraging + 1 roosting	Mixed flock of BNST,AMAV and WILL cannot separate all to species due to lighting			
1230	1225	1148	1512	1205	1310	1557	1151	1548
1235	1230	1153	1520	1215	1325	1612	1155	1558
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
		1			3		
							6
			26	46	85	182	72
0	0	1	26	46	88	182	78

	KILL roosting on inner east levee			KILL roosting on inner east levee			LESA: all foraging in pond
1121	1720	1305	845	1125	1115	1430	1150
1128	1729	1320	900	1136	1123	1443	1159
5	100	5<	1	3	0	70	100
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	0	0	0	0	0	0	0

3/16/2014	4/1/2014	4/27/2014	5/11/2014	5/30/2014			8/8/2014	8/26/2014	9/19/2014
2									
29									
31	0	0	0	0			0	0	0

CANG:
roosting on
inner east
levee

1120	1402	1115	1100	1250	1318	1439	1209
1134	1413	1125	1109	1259	1324	1444	1215
1	95	70	0	0	0	0	90
0-1 mph	1-4 mph	0-2 mph	1-4 mph	3-5 mph	0-1 mph	0-1 mph	0-1 mph
0	0	0	0	0	0	0	0

10/8/2014	10/22/2014	11/5/2014	11/21/2014	12/4/2014	12/23/2014	1/8/2015	1/22/2015	2/7/2015
				15				
	2					1		
				2	8	5	117	160
						85	133	345
							3	76
				45				
					50		46	7
						2		
							6	
		6	42	14			15	
0	2	6	42	3676	58	93	320	588

	KILL roosting on inner east levee		In addition, a flock of 3600 SEPL and unidentifiable peeps too far away to separate to species	BNST: 5 foraging + 3 roosting. XWLD too far to ID to species	BNST: all foraging in pond. Levee between 7C and 7B has flock of 120 roosting WILL	BNST: all foraging. AMAV: 54 foraging + 79 roosting. WILL: 2 foraging + 1 roosting. XWLD all foraging. UNGU all foraging	BNST: 80 foraging + 80 roosting. AMAV: 225 foraging + 120 roosting. WILL: 56 foraging + 20 roosting. XWLD: all foraging.			
	1201	1333	958	1005	907	1110	1210	1227		1248
	1212	1343	1007	1016	930	1125	1222	1259		1308
	0	10	5	50	30	0	100	5<		100
1-3 mph	0-2 mph		0	0-1 mph	1-2 mph	0-1 mph	0	0-6 mph	0-1 mph	
	0	0	0	0	0	0	0	0	occ. light showers	

2/18/2015	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
1		1	1	1					
228									
291	27								
86									
	30			10					
33									
1	2	1	2	4	1	2			
372									
1012	59	2	3	15	1	2	0	0	0

BNST: 182 foraging + 46 roosting. AMAV: 233 foraging + 58 roosting. WILL: 12 foraging + 74 roosting. XWLD all foraging. UNGU all foraging. Levee between 7C and 7B has 20 roosting UNGU	AMAV: 2 foraging + 25 roosting. LESA: all foraging	KILL and CANG roosting on inner east levee	KILL and CANG roosting on inner east levee	KILL roosting on outer east levee. LESA: 10 on inner east levee, 2 foraging + 8 roosting. 3 roosting on outer east levee. CANG: roosting on inner east levee. One roosting CANG on 7A/7B levee and one roosting on 7A/7B levee.	CANG roosting on inner east levee	CANG roosting on inner east levee

930	1425	944	1027	1008	1015	1135	1236	1504	1340
951	1445	1000	1043	1028	1032	1150	1253	1515	1351
100	100	0	5	0	1	100	1<	1	75
0-1 mph	0-9 mph	0-1 mph	1-3 mph	0-1 mph	0-1 mph	4-9 mph	1-7 mph	2-9 mph	0-10 mph
0	0	0	0	0	0	0	0	0	0

7/16/2015	8/3/2015	8/14/2015	8/31/2015	9/16/2015	9/30/2015	10/16/2015	10/29/2015
		2	3				
0	0	2	3	0	0	0	0

			KILL roosting on inner east levee	KILL: 1 on inner east levee, 2 on outer east levee		1 BBPL, 3 KILL and 2 WESA roosting on top of outer east levee		
1237		1410	1211	1302	1329	1348	1230	1200
1246		1420	1222	1314	1342	1402	1243	1211
0		1<	1<	0	95	100	1	0
1-2 mph		0-10 mph	0-9 mph	0-8 mph	0-12 mph	0 mph	0-4 mph	0-3 mph
0		0	0	0	0	0	0	0

11/11/2015	11/25/2015	12/9/2015	12/23/2015	1/7/2016	1/21/2016	2/9/2016	2/24/2016	3/8/2016	3/25/2016
	500	700							
	2								
1			1	2	1	1			
							6	11	2
					28	41	29	16	58
						1	124	35	2
	300	1200	20			56			
66	296		60	50	1	33		7	4
1	300	200				5			1
							250		
									2
59	114		56	42	155		75	121	
127	1512	2100	137	94	185	137	484	190	69

LESA: 4 foraging in pond + 45 foraging on inner east levee + 17 roosting on inner east levee. DUNL and KILL roosting on inner east levee	LESA and WESA: a few birds foraging	All birds roosting in pond	WESA: all foraging. LESA 30 foraging + 30 roosting. KILL roosting on inner east levee.	**NOT A HIGH TIDE COUNT - 3 hour window ended at 1258.** KILL roosting inner east levee. LESA: 40 foraging + 10 roosting at base up to 1/2 way up levee.	KILL on inner east levee. LESA one bird foraging in pond, all other species roosting.	KILL on inner east levee. WESA, LESA, DUNL, WILL all foraging. AMAV all roosting.	KILL on inner east levee. XWLD too far to separate to species. BNST: 4 foraging, 2 roosting. AMAV, WILL all roosting. UNGU: 14 foraging, 61 roosting.	BNST: 2 foraging + 9 roosting. WILL: 1 foraging + 24 roosting. LESA: 2 foraging + 5 roosting. UNGU all roosting	LESA and DUNL all foraging. All other shorebirds roosting. CANG: one on nest on top of inner east levee.
923	947	932	901	1257	1121	1025	1209	944	1259
945	1040	1007	922	1310	1130	1047	1228	956	1319
0	30	100	0	20	30	30	5	20	1
0 mph	0-4 mph	0 mph	1-12 mph	0-3 mph	0-2 mph	0-1 mph	0-1 mph	0-1 mph	0-6 mph
0	0	0	0	0	0	0	0	0	0

4/7/2016	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
2									
6									
	88								
	235								
3	2	2	1						
6									
17	325	2	1	0	0	0	0	0	0

LESA all foraging. AMAV roosting. CANG 2 swimming, one on same nest as on 3/25/16.	XWLS and XWLD all foraging. CANG on inner east levee. CANG seen on nest on 3/25/16 and 4/7/16 not present.	CANG: on to of east inner levee, foraging	*Spotting scope not available today. CANG: on to of east inner levee, roosting.	*Spotting scope not available today.

1110	1100	1040	951	1035	928	847	1039	1237	1245
1124	1120	1055	1000	1044	945	858	1049	1246	1255
60	100	100	0	0	10	0	0	0	0
0-3 mph	0-2 mph	0-1 mph	0-1 mph	0-3 mph	4-8 mph	0-1 mph	0-5 mph	0-6 mph	1-6 mph
0	0	0	0	0	0	0	0	0	0

8/30/2016	9/13/2016	9/28/2016	10/18/2016	11/3/2016	11/16/2016	12/1/2016	12/16/2016	Date (MM/DD/YYYY)
								BBPL
						1		SEPL
								SNPL
					1			KILL
								BNST
								AMAV
								WILL
								WESA
						23	27	LESA
								DUNL
								XWLS
							63	XWLD
				3330				small shorebird
								CANG
								XSCA
								BUFF
								COGO
	20		33	46	53		71	UNGU
0	20	0	33	3376	54	24	161	TOTAL

	UNG all roosting on top of inner east levee	UNGU all roosting on salt spits			KILL roosting on inner east levee. UNGU all roosting on salt surface	LESA all foraging. SEPL roosting	LESA: all roosting. XWLD: too far to identify, but all *Calidris* and all foraging. UNGL all roosting.	NOTES
1239	1207	1221	1457	1427	1304	1252	1157	start count time
1246	1212	1231	1508	1500	1315	1309	1207	end count time
0	20	0	0	10	1<	0	100	cloud cover (est.%)
1-5 mph	0-10 mph	0-6 mph	0 - 6 mph	0-1 mph	0-12 mph	0 -3 mph	0-1 mph	wind
0	0	0	0	0	0	0	0	PPT

PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP

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