

Canvass Activities Summary

November 4, 2008 Presidential General Election

Auditing of the Precincts

Each Inspector is responsible to complete a variety of forms and certifications after the close of the polls on Election Day. Elections staff then audits those forms to account for all ballots issued and returned. In November 2008, there were 147 precinct boards at 99 polling places: 30 were doubles, 3 were triples, and 4 were quadruples. All precincts were audited and where the paperwork reflected discrepancies, those discrepancies were thoroughly researched and resolved. In all cases these were poll worker errors such as simple mathematical errors, transcription errors, or recording information in multiple places on the same form (i.e. counting a spoiled surrendered vote-by-mail ballot as both a spoiled ballot and a surrendered vote-by-mail ballot therefore recording it as two ballots when only one existed).

1% Manual Tally

Per Elections Code Section 15360, 1% of precincts must be hand tallied to determine that the voting system is reading and tabulating votes correctly. For November 2008, there were 260 voting precincts, which meant that 2.6 or 3 precincts were fully counted. Additionally, one precinct was counted for each contest that was on the ballot. As such, additional precincts are randomly selected for each contest that is not included in the initial count. Santa Cruz County also has a policy of tallying a precinct from each of the supervisorial districts.

Precincts were randomly selected on Friday, November 7 at 10 a.m. by staff. All precincts are randomly selected by rolling 10 sided dice and creating a precinct number from the results. For November 2008, 17 precincts were required to catch all contest and all supervisorial districts. Three of the precincts were fully tallied (all contests) and 14 precincts only had the unique contests recounted. All votes cast in those precincts were tallied including Vote-By-Mail, Precinct Ballots, and votes cast on Touchscreens. The Voter Verified Paper Audit Trail (VVPAT) was left intact and read using a reel-to-reel mechanism. Blank ballots that were encountered (in any media) were tallied as undervotes for each contest. Spoiled, cancelled and otherwise invalidated ballots (such as voided ballots on the VVPAT) were not tallied as they are not valid ballots.

Vote-by-mail and paper ballots used at the polling places were tallied by audit teams of between 6 and 10 auditors. All auditors were grouped around a large table. The ballots were distributed between all the auditors. Each auditor had a random selection of the ballots. First, the ballots were counted for the total number in the pile. This allowed the auditor to balance the number of votes cast (including under and overvotes) with the number of ballots in their pile. Next, one staff person was the caller. They would call the contest to be counted and go around the table asking each of the auditors for the number of ballots that they had for a given candidate or choice. Each auditor had to balance the number of votes cast to their number of ballots and the total of the votes cast for all the auditors had to match the tally being taken. The tally is kept by a tally-keeper (one of the auditors) and is also tabulated by

the caller who is keeping track using a calculator. Both the tally-keeper and the caller had to match and the total had to balance. The results were later compared to the central tally count and if the totals did not match, then the hand tally began again.

Touchscreen votes were audited by reviewing the VVPAT records. VVPAT records were audited by teams of four. One person was assigned as the reader, another person as the verifier, and the other two as tally-takers. The tally-takers kept independent tallies. The tally-takers had to match one another at random check points and at the end of the tape, they had to match one another and the results tape. Those results were then compared against the central count. If the results did not match, then the hand tally began again.

Materials used to complete the tallies were minimal, but included specialized tally sheets, reel-to-reel mechanisms, pencils, scotch tape, calculators and the central count reports.

	1 st	2nd	3rd	4th	5th
President	1014	2208			5403
US Congress 14th District					5403
US Congress 17th District		2208			
Senate Dist 11		2208			
Senate Dist 15					5403
Assembly Dist 27	1014				5403
Assembly Dist 28				4321	
SC Board of Ed TA1	1014				5403
Board of Ed TA 4		2208			
Board of Ed TA 5		2053			
Cabrillo Comm Coll TA 3		2208			
West Valley Comm Coll TA 1	1032				
West Valley Comm Coll TA 3	1032				
Pajaro Valley USD TA 2				4018	
Pajaro Valley USD TA 3				4310	
Pajaro Valley USD TA 6		2049			
Los Gatos USD	1032	2208			
SC City USD		2208			
SV USD					5403
BD Elem USD			3004		
BD Elem USD ST			3004		
Lakeside USD					5054
Soquel Elem USD	1014	2208			
Soquel Elem USD ST	1014	2208			
County Brd of Sup 1st District	1014				
Capitola City Council		2208			
Capitola City Treas		2208			
SC City Council					5162
Watsonville City Council Dist 1				4310	
Watsonville City Council Dist 2				4321	

Watsonville City Council Dist 6				4361	
Aptos/La Selva Fire		2053			
Ben Lomond Fire					5012
Boulder Creek Fire FT					5021
Boulder Creek Fire ST					5021
Branciforte Fire	1014				
Felton Fire					5007
Lompico Water Dist					5027
SV Water Dist					5403
Soquel Creek Water Dist					
BC Recreation					5021
Port District					5162
Proposition 1A	1014	2208			5403
Proposition 2	1014	2208			5403
Proposition 3	1014	2208			5403
Proposition 4	1014	2208			5403
Proposition 5	1014	2208			5403
Proposition 6	1014	2208			5403
Proposition 7	1014	2208			5403
Proposition 8	1014	2208			5403
Proposition 9	1014	2208			5403
Proposition 10	1014	2208			5403
Proposition 11	1014	2208			5403
Proposition 12	1014	2208			5403
Measure A	1017				
Measure B	1014				
Measure C				4321	
Measure D		2208			
Measure E					5162
Measure F					5021

All contest balanced on the first pass, with the exceptions noted below:

- 1017
 - Vote-By-Mail Ballots: Measure A did not balance on first pass. It was recounted by hand again and balanced.
- 1032
 - Vote-By-Mail Ballots: West Valley Community College TA1 did not balance on first pass. It was recounted by hand again and balanced.
- 2053
 - Precinct Ballots: Aptos/La Selva Fire did not balance on first pass. It was recounted by hand again and balanced.
 - Vote-By-Mail Ballots: Aptos/La Selva Fire did not balance on first pass. It was recounted by hand again and balanced.
- 2208
 - Precinct Ballots: State Assembly 27th District, Propositions 3, 5, 7, and 10 did not balance on first pass. They were recounted by hand again and balanced.

- Vote-By-Mail Ballots: State Senate 11th District, Soquel Creek Water, Propositions 9, 10, and 11 did not balance on the first pass. They were recounted by hand again and balanced.
- 3004
 - Precinct Ballots: State Senate 11th District and Bonny Doon School Board did not balance on first pass. They were recounted by hand again and balanced.
 - Vote-By-Mail Ballots: Boon Doon School Board did not balance on first pass. They were recounted by hand again and balanced.
- 4361
 - Vote-By-Mail Ballots: Watsonville City Council District 6 did not balance on first pass. It was recounted by hand again and balanced.
- 5012
 - Vote-By-Mail Ballots: Ben Lomond Fire did not balance on first pass. It was recounted by hand again and balanced.
- 5021
 - Precinct Ballots: Boulder Creek Recreation and Measure F did not balance on first pass. They were recounted by hand again and balanced.
 - Vote-By-Mail Ballots: Boulder Creek Recreation and Measure F did not balance on first pass. They were recounted by hand again and balanced.
- 5162
 - Precinct Ballots: Santa Cruz Port District did not balance on first pass. It was recounted by hand again and balanced.
 - Vote-By-Mail Ballots: Santa Cruz Port District did not balance on first pass. It was recounted by hand again and balanced.
- 5403
 - Precinct Ballots: State Senate 15th District, Scotts Valley Water, Propositions 1A, 2, 3, 5, 7, 11, and 12 did not balance on first pass. They were recounted by hand again and balanced.
 - Vote-By-Mail Ballots: President, US Representative 14th District, County Board of Education, Scotts Valley School District, Scotts Valley City Council, Scotts Valley Water, Propositions 1A, 5, 10 and 11. They were recounted by hand again and balanced.

In the end, our machine tally matched the hand counts with 100% accuracy.

A few observers were present during the canvass, and we welcome observers at all times. Because the audit was conducted at central elections, no additional security measures were required above and beyond normal security precautions in place.

100% Manual Tally of Votes Cast on Touchscreens

In addition to the 1% manual tally mandated by state election code, the Secretary of State mandated that 100% of all votes cast on touchscreens must be hand tallied to confirm the electronic results. Santa Cruz County had 9811 qualified votes cast on touchscreens on Election Day, November 4, 2008.

In teams of four, each Voter Verified Paper Audit Trail was hand tallied. Duties were divided among team members with one member reading from the tape, one member verifying what was read, and the other two members keeping independent, simultaneous tallies. Periodically throughout the tape, team members would pause and compare results to ensure that the tally-takers were in sync. If they were not, they would go back to the last balance point, noted with X marks on the tally sheet and post-it notes on the tape, and begin the tally over. Once all the ballots for that machine had been read, then the totals on the tally sheets were compared against the results portion of the tape. The tallies must match. The supervisor for the 100% tally or other designated staff would then compare the tally sheets (which already balanced with the machine results printed at the polls on Election Day) to the central tally counts. This verified that the central county system was accurate reading and recording the votes from each unit. During this process, the votes from the tally sheets for the central and satellite touchscreens were added to the tally results for each corresponding precinct.

In the end, the results from the manual tally matched the machine results with 100% accuracy.

	Polling Place	Precinct	Number of Votes Cast	Bal. w/ Tape 1st Try?	Bal. w/ Tape 2nd Try?	Bal. against SOV?	Differences Reconciled?	Filed
1	Simpkins Center 1002	1002	63	Y	N/A	Y	Y	Y
2	Simpkins Center 1005	1005	79	Y	N/A	Y	Y	Y
3	Simpkins Center 1006	1006	74	Y	N/A	Y	Y	Y
4	Simpkins Center 1007	1007	102	Y	N/A	Y	Y	Y
5	Mail Ballot	1009	0	N/A	N/A	Y	Y	Y
6	Harbor Light Church 1010	1010	81	Y	N/A	Y	Y	Y
7	Mail Ballot	1011	0	N/A	N/A	Y	Y	Y
8	Santa Cruz ASA 1012	1012	44	Y	N/A	Y	Y	Y
9	Oakwood Chapel 1013	1013	79	Y	N/A	Y	Y	Y
10	Mail Ballot	1014	0	N/A	N/A	Y	Y	Y
11	Branciforte Fire 1015	1015	40	Y	N/A	Y	Y	Y
12	SC County Health 1016	1016	47	Y	N/A	Y	Y	Y
13	Pleasure Pt Church 1017	1017	78	Y	N/A	Y	Y	Y
14	Mail Ballot	1018	0	N/A	N/A	Y	Y	Y
15	Pleasure Pt Church 1019	1019	73	Y	N/A	Y	Y	Y
16	Mail Ballot	1020	0	N/A	N/A	Y	Y	Y
17	Mail Ballot	1021	0	N/A	N/A	Y	Y	Y
18	Best Western Capitola 1022	1022	88	Y	N/A	Y	Y	Y

19	Loma Prieta Center 1023	1023	42	Y	N/A	Y	Y	Y
20	Mail Ballot	1025	0	N/A	N/A	Y	Y	Y
21	Capitola Center 1026	1026	28	Y	N/A	Y	Y	Y
22	Floors Etc. 1027	1027	41	Y	N/A	Y	Y	Y
23	Mountain Elementary 1028	1028	71	Y	N/A	Y	Y	Y
24	First Christ Scientist Soquel 1029	1029	33	Y	N/A	Y	Y	Y
25	Mail Ballot	1031	0	N/A	N/A	Y	Y	Y
26	Mail Ballot	1032	0	N/A	N/A	Y	Y	Y
27	Mail Ballot	1033	0	N/A	N/A	Y	Y	Y
28	Santa Cruz Gardens 1035	1035	62	Y	N/A	Y	Y	Y
29	Mail Ballot	1036	0	N/A	N/A	Y	Y	Y
30	Skyland Community 1037	1037	119	Y	N/A	Y	Y	Y
31	Soquel High 1039	1039	94	Y	N/A	Y	Y	Y
32	Mail Ballot	1040	0	N/A	N/A	Y	Y	Y
33	Congregational 1041	1041	58	Y	N/A	Y	Y	Y
34	Mail Ballot	1042	0	N/A	N/A	Y	Y	Y
35	Mail Ballot	1043	0	N/A	N/A	Y	Y	Y
36	Mail Ballot	1044	0	N/A	N/A	Y	Y	Y
37	Soquel High 1045	1045	29	Y	N/A	Y	Y	Y
38	Mail Ballot	1046	0	N/A	N/A	Y	Y	Y
39	Mail Ballot	1047	0	N/A	N/A	Y	Y	Y
40	SC County Health 1048	1048	37	Y	N/A	Y	Y	Y
41	Best Western Capitola 1049	1049	3	Y	N/A	Y	Y	Y
42	SC County Health 1050	1050	44	Y	N/A	Y	Y	Y
43	Mail Ballot	1051	0	N/A	N/A	Y	Y	Y
44	Mail Ballot	1052	0	N/A	Y	Y	Y	Y
45	Mail Ballot	1053	0	N/A	N/A	Y	Y	Y
46	Mail Ballot	1054	0	N/A	N/A	Y	Y	Y
47	Mail Ballot	1055	0	N/A	N/A	Y	Y	Y
48	Mail Ballot	1056	0	N/A	N/A	Y	Y	Y
49	Mail Ballot	1057	0	N/A	N/A	Y	Y	Y

50	Mail Ballot	1058	0	N/A	N/A	Y	Y	Y
51	Mail Ballot	1059	0	N/A	N/A	Y	Y	Y
52	Congregational 1060	1060	63	Y	N/A	Y	Y	Y
53	Temple Beth El 1061	1061	54	Y	N/A	Y	Y	Y
54	Temple Beth El 1062	1062	64	Y	N/A	Y	Y	Y
55	Mail Ballot	1063	0	N/A	N/A	Y	Y	Y
56	Mail Ballot	1064	0	N/A	N/A	Y	Y	Y
57	Mail Ballot	1065	0	N/A	N/A	Y	Y	Y
58	Mail Ballot	1066	0	N/A	N/A	Y	Y	Y
59	Mail Ballot	1067	0	N/A	N/A	Y	Y	Y
60	Mail Ballot	1068	0	N/A	N/A	Y	Y	Y
61	Mail Ballot	1069	0	N/A	N/A	Y	Y	Y
62	Mail Ballot	1070	0	N/A	N/A	Y	Y	Y
63	Mail Ballot	1071	0	N/A	N/A	Y	Y	Y
64	Mail Ballot	1072	0	N/A	N/A	Y	Y	Y
65	Mail Ballot	1073	0	N/A	N/A	Y	Y	Y
66	Mail Ballot	1074	0	N/A	N/A	Y	Y	Y
67	Mail Ballot	1075	0	N/A	N/A	Y	Y	Y
68	Mail Ballot	1076	0	N/A	N/A	Y	Y	Y
69	Mail Ballot	1077	0	N/A	N/A	Y	Y	Y
70	Mail Ballot	1078	0	N/A	N/A	Y	Y	Y
71	Mail Ballot	1079	0	N/A	N/A	Y	Y	Y
72	Quaker Mtg House 1101	1101	121	Y	N/A	Y	Y	Y
73	SC County Health 1113	1113	60	Y	N/A	Y	Y	Y
74	Mail Ballot	1201	0	N/A	N/A	Y	Y	Y
75	Mail Ballot	1202	0	N/A	N/A	Y	Y	Y
76	Mail Ballot	1208	0	N/A	N/A	Y	Y	Y
77	Calabasas Elementary 2001	2001	94	Y	N/A	Y	Y	Y
78	Mail Ballot	2002	0	N/A	N/A	Y	Y	Y
79	Mail Ballot	2003	0	N/A	N/A	Y	Y	Y
80	Corralitos Cmty 2004	2004	45	Y	N/A	Y	Y	Y

81	Mail Ballot	2005	0	N/A	N/A	Y	Y	Y
82	Mail Ballot	2006	0	N/A	N/A	Y	Y	Y
83	Pinto Lake Estates 2008	2008	21	Y	N/A	Y	Y	Y
84	Mail Ballot	2009	0	N/A	N/A	Y	Y	Y
85	Christ Lutheran 2010	2010	68	Y	N/A	Y	Y	Y
86	Mail Ballot	2011	0	N/A	N/A	Y	Y	Y
87	Corralitos Cmty 2014	2014	47	Y	N/A	Y	Y	Y
88	Valencia Hall 2015	2015	50	Y	N/A	Y	Y	Y
89	Mail Ballot	2020	0	N/A	N/A	Y	Y	Y
90	Mail Ballot	2021	0	N/A	N/A	Y	Y	Y
91	Temple Beth El 2022	2022	35	Y	N/A	Y	Y	Y
92	First Baptist 2023	2023	61	Y	N/A	Y	Y	Y
93	Resurrection Church 2024	2024	84	Y	N/A	Y	Y	Y
94	Resurrection Church 2025	2025	61	Y	N/A	Y	Y	Y
95	Aegis of Aptos 2026	2026	96	Y	N/A	Y	Y	Y
96	Mail Ballot	2027	0	N/A	N/A	Y	Y	Y
97	Aegis of Aptos 2028	2028	63	Y	N/A	Y	Y	Y
98	Mail Ballot	2029	0	N/A	N/A	Y	Y	Y
99	Resurrection Church 2030	2030	93	Y	N/A	Y	Y	Y
100	Resurrection Church 2031	2031	67	Y	N/A	Y	Y	Y
101	Aptos Seascape Golf 2032	2032	94	Y	N/A	Y	Y	Y
102	Aptos Seascape Golf 2033	2033	113	Y	N/A	Y	Y	Y
103	Mail Ballot	2034	0	N/A	N/A	Y	Y	Y
104	La Selva Beach 2035	2035	95	Y	N/A	Y	Y	Y
105	Mail Ballot	2036	0	N/A	N/A	Y	Y	Y
106	Monterey Bay Academy 2037	2037	35	Y	N/A	Y	Y	Y
107	Mail Ballot	2038	0	N/A	N/A	Y	Y	Y
108	Mail Ballot	2039	0	N/A	N/A	Y	Y	Y
109	Holy Eucharist Catholic 2040	2040	95	Y	N/A	Y	Y	Y
110	Unitarian Universalist 2041	2041	54	Y	N/A	Y	Y	Y
111	Mail Ballot	2042	0	N/A	N/A	Y	Y	Y

112	Mail Ballot	2043	0	N/A	N/A	Y	Y	Y
113	Temple Beth El 2048	2048	80	Y	N/A	Y	Y	Y
114	Mail Ballot	2049	0	N/A	N/A	Y	Y	Y
115	Mail Ballot	2050	0	N/A	N/A	Y	Y	Y
116	La Selva Beach 2053	2053	74	Y	N/A	Y	Y	Y
117	St. Andrews 2054	2054	81	Y	N/A	Y	Y	Y
118	Valencia Hall 2055	2055	69	Y	N/A	Y	Y	Y
119	Mail Ballot	2059	0	N/A	N/A	Y	Y	Y
120	Mail Ballot	2062	0	N/A	N/A	Y	Y	Y
121	Mail Ballot	2063	0	N/A	N/A	Y	Y	Y
122	Mail Ballot	2064	0	N/A	N/A	Y	Y	Y
123	Capitola Center 2201	2201	74	Y	N/A	Y	Y	Y
124	Capitola City Hall 2202	2202	73	Y	N/A	Y	Y	Y
125	Capitola Gym 2204	2204	69	Y	N/A	Y	Y	Y
126	Capitola Gym 2205	2205	95	Y	N/A	Y	Y	Y
127	Capitola Gym 2208	2208	67	Y	N/A	Y	Y	Y
128	Mail Ballot	2209	0	N/A	N/A	Y	Y	Y
129	Pajaro Valley Health 2331	2331	49	Y	N/A	Y	Y	Y
130	Mail Ballot	2343	0	N/A	N/A	Y	Y	Y
131	Mail Ballot	2366	0	N/A	N/A	Y	Y	Y
132	Mail Ballot	3001	0	N/A	N/A	Y	Y	Y
133	Davenport Fire 3002	3002	32	Y	N/A	Y	Y	Y
134	Bonny Doon School 3003	3003	80	Y	N/A	Y	Y	Y
135	Bonny Doon Fire 3004	3004	70	Y	N/A	Y	Y	Y
136	Mail Ballot	3005	0	N/A	N/A	Y	Y	Y
137	Mail Ballot	3007	0	N/A	N/A	Y	Y	Y
138	St. Stephen's 3008	3008	74	Y	N/A	Y	Y	Y
139	Mail Ballot	3009	0	N/A	N/A	Y	Y	Y
140	Mail Ballot	3012	0	N/A	N/A	Y	Y	Y
141	Mail Ballot	3013	0	N/A	N/A	Y	Y	Y
142	Mail Ballot	3014	0	N/A	N/A	Y	Y	Y

143	Housing Authority 3101	3101	36	Y	N/A	Y	Y	Y
144	Santa Cruz Fire 3102	3102	47	Y	N/A	Y	Y	Y
145	Roundtree Recreation 3103	3103	71	Y	N/A	Y	Y	Y
146	High St. Church 3104	3104	60	Y	N/A	Y	Y	Y
147	High St. Church 3105	3105	60	Y	N/A	Y	Y	Y
148	Christian Life 3108	3108	79	Y	N/A	Y	Y	Y
149	Housing Authority 3113	3113	100	Y	N/A	Y	Y	Y
150	Shrine of Joseph 3114	3114	33	Y	N/A	Y	Y	Y
151	Garfield Park 3115	3115	67	Y	N/A	Y	Y	Y
152	Christian Life 3116	3116	74	Y	N/A	Y	Y	Y
153	Museum Of Art 3119	3119	79	Y	N/A	Y	Y	Y
154	Depot Plaza 3121	3121	81	Y	N/A	Y	Y	Y
155	Depot Plaza 3123	3123	87	Y	N/A	Y	Y	Y
156	The Ark 3125	3125	60	Y	N/A	Y	Y	Y
157	Shrine of Joseph 3130	3130	90	Y	N/A	Y	Y	Y
158	Housing Authority 3134	3134	73	Y	N/A	Y	Y	Y
159	Holy Cross Hall 3140	3140	102	Y	N/A	Y	Y	Y
160	Santa Cruz Bible 3145	3145	77	Y	N/A	Y	Y	Y
161	Seventh Day Adventist 3146	3146	78	Y	N/A	Y	Y	Y
162	City Museum 3151	3151	64	Y	N/A	Y	Y	Y
163	La Posada Senior 3153	3153	40	Y	N/A	Y	Y	Y
164	Mail Ballot	3154	0	N/A	N/A	Y	Y	Y
165	Masonic Center 3158	3158	65	Y	N/A	Y	Y	Y
166	Oakes College 3160	3160	86	Y	N/A	Y	Y	Y
167	Cowell College 3161	3161	77	Y	N/A	Y	Y	Y
168	Crown College 3163	3163	96	Y	N/A	Y	Y	Y
169	Porter College 3165	3165	73	Y	Y	Y	Y	Y
170	Porter College 3166	3166	72	Y	N/A	Y	Y	Y
171	Oakes College 3167	3167	43	N	Y	Y	Y	Y
172	College X 3169	3169	48	Y	N/A	Y	Y	Y
173	Santa Cruz Cmty Church 3171	3171	51	Y	N/A	Y	Y	Y

174	University Inn 3178	3178	104	Y	N/A	Y	Y	Y
175	Mail Ballot	4001	0	N/A	N/A	Y	Y	Y
176	SC County Fairgrounds 4007	4007	71	Y	N/A	Y	Y	Y
177	Mail Ballot	4009	0	N/A	N/A	Y	Y	Y
178	Mail Ballot	4014	0	N/A	N/A	Y	Y	Y
179	Amesti Elementary 4016	4016	67	Y	N/A	Y	Y	Y
180	Mail Ballot	4017	0	N/A	N/A	Y	Y	Y
181	Pinto Lake Estates 4018	4018	10	Y	N/A	Y	Y	Y
182	Mail Ballot	4023	0	N/A	N/A	Y	Y	Y
183	Alianza Charter 4026	4026	67	Y	N/A	Y	Y	Y
184	Mail Ballot	4027	0	N/A	N/A	Y	Y	Y
185	Pajaro Valley Fire 4030	4030	52	Y	N/A	Y	Y	Y
186	Watsonville Civic 4310	4310	20	Y	N/A	Y	Y	Y
187	Watsonville Civic 4311	4311	27	Y	N/A	Y	Y	Y
188	Cabrillo Wats 4321	4321	36	Y	N/A	Y	Y	Y
189	Mail Ballot	4324	0	N/A	N/A	Y	Y	Y
190	Green Valley Christian 4331	4331	56	Y	N/A	Y	Y	Y
191	Pajaro Valley Health 4333	4333	65	Y	N/A	Y	Y	Y
192	Green Valley Christian 4341	4341	87	Y	N/A	Y	Y	Y
193	Landmark Elementary 4344	4344	79	Y	N/A	Y	Y	Y
194	Rolling Hills 4345	4345	55	Y	N/A	Y	Y	Y
195	Valley Heights 4351	4351	76	Y	N/A	Y	Y	Y
196	U.C. Ag Ext. 4361	4361	61	Y	N/A	Y	Y	Y
197	U. C. Ag Ext 4363	4363	31	Y	N/A	Y	Y	Y
198	Mail Ballot	4367	0	N/A	N/A	Y	Y	Y
199	MacQuiddy Ele School 4371	4371	54	Y	N/A	Y	Y	Y
200	Ann Soldo Elementary 4372	4372	57	Y	N/A	Y	Y	Y
201	Pajaro Village 4373	4373	94	Y	N/A	Y	Y	Y
202	Mail Ballot	4375	0	N/A	N/A	Y	Y	Y
203	Mail Ballot	5001	0	N/A	N/A	Y	Y	Y
204	St. John's 5002	5002	88	Y	N/A	Y	Y	Y

205	Mail Ballot	5003	0	N/A	N/A	Y	Y	Y
206	CDF Felton 5004	5004	64	Y	N/A	Y	Y	Y
207	Mail Ballot	5005	0	N/A	N/A	Y	Y	Y
208	Felton Bible Church 5006	5006	65	Y	N/A	Y	Y	Y
209	Mail Ballot	5007	0	N/A	N/A	Y	Y	Y
210	Highland Park 5008	5008	48	Y	N/A	Y	Y	Y
211	Mail Ballot	5009	0	N/A	N/A	Y	Y	Y
212	Highland Park 5010	5010	86	Y	N/A	Y	Y	Y
213	Mail Ballot	5011	0	N/A	N/A	Y	Y	Y
214	Ss. Peter & Paul 5012	5012	80	Y	N/A	Y	Y	Y
215	Mail Ballot	5013	0	N/A	N/A	Y	Y	Y
216	Zayante Fire 5014	5014	56	Y	N/A	Y	Y	Y
217	Scotts Valley Center 5015	5015	55	Y	N/A	Y	Y	Y
218	SLV Water 5016	5016	84	Y	N/A	Y	Y	Y
219	Mail Ballot	5017	0	N/A	N/A	Y	Y	Y
220	Boulder Crk Fire DS 5018	5018	135	Y	N/A	Y	Y	Y
221	Boulder Crk Fire US 5019	5019	72	Y	N/A	Y	Y	Y
222	Redwood School 5020	5020	70	Y	N/A	Y	Y	Y
223	Redwood School 5021	5021	69	Y	N/A	Y	Y	Y
224	Las Cumbres 5022	5022	64	Y	N/A	Y	Y	Y
225	Ben Lomond Fire 5023	5023	49	Y	N/A	Y	Y	Y
226	Mail Ballot	5024	0	N/A	N/A	Y	Y	Y
227	Mail Ballot	5025	0	N/A	N/A	Y	Y	Y
228	Mail Ballot	5026	0	N/A	N/A	Y	Y	Y
229	Zayante Fire 5027	5027	55	Y	N/A	Y	Y	Y
230	Felton Fire 5028	5028	86	Y	N/A	Y	Y	Y
231	Mail Ballot	5029	0	N/A	N/A	Y	Y	Y
232	Boulder Creek Church 5030	5030	82	Y	N/A	Y	Y	Y
233	Mail Ballot	5031	0	N/A	N/A	Y	Y	Y
234	Mail Ballot	5032	0	N/A	N/A	Y	Y	Y
235	San Agustin 5033	5033	46	Y	N/A	Y	Y	Y

236	Vista Del Lago 5034	5034	40	Y	N/A	Y	Y	Y
237	Mail Ballot	5035	0	N/A	N/A	Y	Y	Y
238	Mail Ballot	5037	0	N/A	N/A	Y	Y	Y
239	Mail Ballot	5039	1	Y	N/A	Y	Y	Y
240	Mail Ballot	5041	0	N/A	N/A	Y	Y	Y
241	Mail Ballot	5049	0	N/A	N/A	Y	Y	Y
242	Mail Ballot	5050	0	N/A	N/A	Y	Y	Y
243	Loma Prieta Center 5051	5051	71	Y	N/A	Y	Y	Y
244	Harvey West 5052	5052	46	Y	N/A	Y	Y	Y
245	Mail Ballot	5053	0	N/A	N/A	Y	Y	Y
246	Mail Ballot	5054	0	N/A	N/A	Y	Y	Y
247	Harvey West 5101	5101	64	Y	N/A	Y	Y	Y
248	University Inn 5108	5108	70	Y	N/A	Y	Y	Y
249	Sr Citizen Op 5109	5109	78	Y	N/A	Y	Y	Y
250	Stevenson 5162	5162	77	Y	N/A	Y	Y	Y
251	Vista Del Lago 5401	5401	106	Y	N/A	Y	Y	Y
252	Oak Tree Villa 5402	5402	38	Y	N/A	Y	Y	Y
253	Scotts Valley City 5403	5403	82	Y	N/A	Y	Y	Y
254	Scotts Valley Center 5405	5405	90	Y	N/A	Y	Y	Y
255	San Agustin 5406	5406	100	Y	N/A	Y	Y	Y
256	Scotts Valley Center 5407	5407	80	Y	N/A	Y	Y	Y
257	Enterprise 5413	5413	47	Y	N/A	Y	Y	Y
258	Mail Ballot	5414	0	N/A	N/A	Y	Y	Y
259	Mail Ballot	5415	0	N/A	N/A	Y	Y	Y
260	Mail Ballot	5416	0	N/A	N/A	Y	Y	Y

Expanded 10% Post Election Manual Tally

Five contests met the criteria for the PEMT. Those contests were: Santa Cruz City Council, Capitola City Council, Soquel Elementary School Board (Regular Term), West Valley College TA 3, and Lompico Water District. A random drawing of the in the PEMT contests was conducted by pulling the precinct numbers from each contest out of a box.

In teams of four, all votes cast in those precincts were tallied including Vote-By-Mail, Precinct Ballots, and votes cast on Touchscreens. Duties were divided among team members with

one member reading from the tape, one member verifying what was read, and the other two members keeping independent, simultaneous tallies.

Below are the results:

Contest	Lompico Water District			Precinct 5027
	SOV	Hand Tally	Difference	
Kathleen Moyer	72	72	0	
Sean Wharton	134	133	-1	
Jane Wyckoff	204	204	0	
William Smallman	209	209	0	
Lois Henry	184	184	0	
Thomas Hudson	90	90	0	
Kenneth Kezeor	160	160	0	
Denise Bendori	182	182	0	

Contest	Santa Cruz City Council			Precincts 3113, 3123, 3163, 5162
	SOV	Hand Tally	Difference	
Tony Madrigal	1028	1028	0	
Lisa Molyneux	331	331	0	
Don Lane	1017	1017	0	
Tim Fitzmaurice	764	764	0	
J Craig Canada	131	133	2	
Blas Jacob Cabrera	185	185	0	
Ryan Coonerty	1191	1191	0	
Simba Kenyatta	455	455	0	
Katherine Beiers	825	825	0	
David Terrazas	709	709	0	

Contest	Capitola City Council			Precinct 2208
	SOV	Hand Tally	Difference	
Ellen Jennings	176	176	0	
Kirby Nicol	288	288	0	
Dennis Norton	231	231	0	
Michael Termini	230	230	0	

Contest	Soquel USD School Board			Precincts 1013, 1040, 1202, 2208, 2209
	SOV	Hand Tally	Difference	
Mary McGlenn-Cahalen	478	478	0	
Judy McGooden	468	468	0	
Lynette Hamby	506	506	0	
Kathy Hees	385	385	0	
Ted Donnelly	545	545	0	
Kim Nadeau	386	386	0	

Contest	West Valley School District TA3			Precinct 1032
	SOV	Hand Tally	Difference	
Frank Jewett	4	4	0	
Adrienne Grey	10	10	0	
Chris Constantin	8	8	0	
Kathi Tran	4	4	0	

Seals Audit

Each piece of voting equipment is protected under many levels of security. One level of that security is the visible seals used on the equipment both permanently and on Election Day. All visible seals were audited. Where questions arose regarding particular seals, extensive investigations were undertaken. In no case was there any break of security that endangered any votes. All instances of anomalies were traced back to poll worker or staff error such as typographical errors or not returning all the broken seals.

Equipment Incidents

Election Day went very smoothly in Santa Cruz County. 19 incidents were logged for voting equipment. Operator error incidents were omitted from this number. Of the 19 incidents, 8 incidents were on touchscreens, 2 incidents were in relation to the scanners, and the remaining 9 incidents involved printers for the touchscreens. There were an additional 6 incidents prior to Election Day that were identified during the testing and preparation process. Of these 6 incidents, 4 involved touchscreens and 2 related to audio packs.

A chart is attached detailing the incidents and the responses to those incidents. The chart for Election Day use also includes the incidents where operator errors were involved.

ELECTION DAY EQUIPMENT ISSUES:					
Precinct	EQ Type	Serial #	ISSUES	Action taken	Conclusion
1015	Edge IIs	35962	touchscreen dropped from vehicle	New touchscreen deployed	Human Error
1017	Edge IIs	51496	voters selection not being accepted	Hotline staff talked them through.	Human Error
1023	Edge IIs	51478	During the power outage the battery back up failed to keep the machine powered up.	None.	No Trouble Found. Most likely went into screen saver mode.

1035	Edge IIs	51522	touchscreen became unresponsive	Election Officers turned machine off and then back on.	No Trouble Found. Most likely went into screen saver mode.
1049	Edge IIs	35926	yellow results cartridge door seal was broken	New touchscreen deployed	Most likely, the seal was broken when the screen was lowered during testing.

Precinct	EQ Type	Serial #	ISSUES	Action taken	Conclusion
1049	Edge IIs	51572	red side sticker seal number does not match report	The discrepancy was a typo and the report was changed to match the correct seal number	Human Error
1061	Edge IIs	51543	screen did not accept votes	Staff recalibrated and machine worked properly	Calibration
2001	Edge IIs	35926	touchscreen not bringing up the write-in keyboard	Staff was unable to reach the election officer to walk them through recalibration and machine had no further issues	Calibration
2028	Edge IIs	35917	summary screen not matching vote selections	New touchscreen deployed	Calibration
2028	Edge IIs	35917	voter selections did not show for 2 races so voter switched to paper	Equipment replaced	Either a calibration issue or the voter was misreading the the summary / print out.
2037	Edge IIs	51482	machine was not properly registering votes	Office staff contacted them and walked them through recalibration.	Calibration
2041	Edge IIs	51554	touchscreen not allowing undervotes	Deployed staff to calibrate. Fixed problem.	Calibration

Precinct	EQ Type	Serial #	ISSUES	Action taken	Conclusion
3104	Edge IIs	51464	dropped from vehicle	New touchscreen deployed but old machine was working properly so left in place.	No trouble found.
3108	Edge IIs	51438	unit froze after audio voter	Hotline staff walked EVS through getting machine going again.	Human Error
4310	Edge IIs	51562	touchscreen stuck in election verify mode	Hotline staff was able to get machine working	No trouble found.
5012	Edge IIs	51538	voter claimed machine locked up	Voter had incorrectly used machine. Once voter was reinstructed, machine functioned properly.	Human Error
5014/5027	Edge IIs	- - -	serial number on machine does not match	It is actually the serial number on the results cartridge does not match the number printed on the form. The form contained the wrong merge field. The serial number for both the machine and results cartridge are correct.	Human Error

Precinct	EQ Type	Serial #	ISSUES	Action taken	Conclusion
5033	Edge IIs	51510	touchscreen hung up	Election Officer turned machine off and back on.	No trouble found.
5051	Edge IIs	51479	typo on ballot on touchscreen	When checked at the office, there was no typo.	No trouble found.
WA Civic	Edge IIs	51568	display is dim and cannot be adjusted	New touchscreen deployed but when it arrived, the first machine was fine.	No trouble found.
1010	Insight	510901	scanner appeared to be stuck	Hotline staff talked them through clearing the jam	Human Error
1039	Insight	511067	scanner not showing overvote information on tape	New scanner deployed	Trainers had indicated the office overvoted would appear on the tape. The machines were not programmed this way. No trouble found.
2001	Insight	510783	scanner would not turn on	Hotline staff talked them through turning the machine on	Human Error
2048	Insight	511081	scanner not accepting ballots; then began accepting ballots but printed overvote message and did not ask for an override but accepted the ballots	Tested and could not repeat error.	No trouble found.

Precinct	EQ Type	Serial #	ISSUES	Action taken	Conclusion
2208	Insight	510791	scanner missing a front "hook" and is not accepting ballots	Unit began to function. Hook was rehooked and the clamshell was closed. Warehouse staff checked the internal seals and found them to be intact.	Most likely, unit was dropped and shell popped open. Once closed functioned properly.
3003	Insight	510666	power suddenly cut off	Hotline staff had Election Officer check the internal connection to the power cable and once it was reconnected fully power came back on.	Loose connection
3103	Insight	511120	scanner not accepting ballots	New scanner deployed	Throat jammed
3178	Insight	511099	display reads PRNL and the ballot read light isn't on	Hotline staff talked them through engaging the printer	Human Error
5020	Insight	511026	read head failed and stopped accepting ballots	New scanner deployed	Read Head Failure
5021	Insight	511028	scanner jammed	Hotline staff talked them through clearing the jam	Human Error
1002	Printer	36281	printer jammed	Rover Replaced Printer	Machine failure

Precinct	EQ Type	Serial #	ISSUES	Action taken	Conclusion
1017	Printer	28787	printer paper low message	Hotline staff had them connect the power cable and resolved the problem	Human Error
1035	Printer	22885	printer paper low message	Hotline staff had them connect the power cable and resolved the problem	Human Error
1050	Printer	2274	paper was crooked and crinkling	Rover opened the printer and realigned the paper.	Machine failure
2010	Printer	17578	paper was not advancing	Rover Replaced Printer	Machine failure
2014	Printer	20641	printer jammed and rover fixed it, jammed again	Rover Replaced Printer	Machine failure
2015	Printer	36244	printer paper low message	Hotline staff had them connect the power cable and resolved the problem	Human Error
2030	Printer	36273	entire tab was missing for sealing printer	Rover Replaced Printer	Machine failure
3004	Printer	22299	after 33 voters, showed out of paper message	Rover Replaced Printer	Either the power cable became dislodged or the printer failed. More testing will be performed.

Precinct	EQ Type	Serial #	ISSUES	Action taken	Conclusion
3102	Printer	28919	printer paper low message	Hotline staff had them connect the power cable and resolved the problem	Human Error
3115	Printer	2260	printer paper low message	Hotline staff had them connect the power cable and resolved the problem	Human Error
3134	Printer	23505	printer jammed by rolling paper under itself. Rover repaired and that held for 1-2 voters then the black spool would not advance the paper.	Rover Replaced Printer	Machine failure
3160	Printer	22252	printer paper low message	Hotline staff had them connect the power cable and resolved the problem	Human Error
3167	Printer	36261	printer continually jams	Printer replaced	Machine failure
5030	Printer	363379	printer paper low message	Hot line staff had them connect the power cable and resolved the problem	Human Error
5030	Printer	28793	printer track seal was missing.	Rover supplied seal	Human Error
5109	Printer	28932	printer jammed	Printer replaced	Machine failure
5402	Printer	22247	printer paper low message	Hot line staff had them connect the power cable and resolved the problem	Human Error