

Richland 2016 Statewide Runoff Audit Report

Richland Ballot Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:58:21, Thu Jun 30, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0111	Ward 11	12	0	12	0	12	0	0	0	
0126	Ward 26	6	0	6	0	6	0	0	0	
0405	Bluff	261	0	261	0	261	0	0	0	
0409	Bookman	153	0	153	0	153	0	0	0	
0413	Bridge Creek	141	0	141	0	141	0	0	0	
0423	Eastover	345	0	345	0	345	0	0	0	
0425	Estates	106	0	106	0	106	0	0	0	
0434	Gadsden	421	0	421	0	421	0	0	0	
0435	Garners	68	0	68	0	68	0	0	0	
0441	Hopkins	343	0	343	0	343	0	0	0	
0442	Hopkins 2	342	0	342	0	342	0	0	0	
0451	Lake Carolina	42	0	42	0	42	0	0	0	
0456	Mallet Hill	24	0	24	0	24	0	0	0	
0463	North Springs 1	79	0	79	0	79	0	0	0	
0464	North Springs 2	1	0	1	0	1	0	0	0	
0465	North Springs 3	71	0	71	0	71	0	0	0	
0470	Olympia	74	0	74	0	74	0	0	0	
0473	Parkway 1	194	0	194	0	194	0	0	0	
0474	Parkway 2	181	0	181	0	181	0	0	0	
0475	Parkway 3	150	0	150	0	150	0	0	0	
0482	Polo Road	45	0	45	0	45	0	0	0	
0483	Pontiac 1	34	0	34	0	34	0	0	0	
0485	Rice Creek 1	100	0	100	0	100	0	0	0	
0486	Rice Creek 2	194	0	194	0	194	0	0	0	
0487	Ridge View 1	191	0	191	0	191	0	0	0	
0488	Ridge View 2	187	0	187	0	187	0	0	0	
0509	Valley State Park	74	0	74	0	74	0	0	0	
0511	Webber	86	0	86	0	86	0	0	0	
0514	Wilwood	8	0	8	0	8	0	0	0	
0515	Woodfield	68	0	68	0	68	0	0	0	
Precincts Total:		4001	0	4001	0	4001	0	0	0	
0750	Absentee	465	311	154	0	156	311	0	-2	Missing PEB data Machine - Ballots 5127483 - 21 5128457 - 18 5137569 - 117
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Failsafe	2	0	2	0	2	0	0	0	
0900	Provisional	3	3	0	0	0	3	0	0	
Virtual Precincts Total:		470	314	156	0	158	314	0	-2	
Grand Total:		4471	314	4157	0	4159	314	0	-2	

NOTE: Any manual entries shown on this report are supported by the Manual Entry Log (EL68).

Richland 2016 Statewide Runoff Audit Report

Auditor's Comments:

Total number of iVotronic ballots cast containing no votes: 13
 The following precincts have no ballots cast in them: Emergency
 Note: PEB Data is missing

County Comment:

Had to remove a coded ballot and got an error message. Cobol error. It turns out that the election was set up as a closed primary and the stat counters were off. ES&S talked the county Unity Operator through changes in HPM to correct the issue.

EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots.

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots
4157	4159	4160
Delta from EL30A	2	3
	Delta from EL155	1
	Cast By Voter	4159
	Cast By Poll Wkr	1
	Blank Cast by PW	0
	Cancelled Ballots	64
	Wrong Ballot	6
	Voter Left AB	1
	Voter Left BB	1
	Voter Request	7
	Printer Problem	3
	Terminal Problem	11
	Other Reason	35

(AB = After ballot selected by poll worker.)
 (BB = Before ballot selected by poll worker.)

Number of audio (ADA) events in this election: 0

Note: The following machines(s) have audit records but no ballots were cast on them: 5107307, 5122873, 5135820
 Because they do not have ballots cast, they cannot be matched to a precinct. This is not an issue as long as the EL30A Ivo Ballots, the EL155 Ballots and the EL152 Ballots match in the table immediately above.

How to read this report.

This is the ballot level report. It compares the number of ballots cast in the tabulation report, the EL30A with the number of ballots cast in the audit data.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precinct line values.

Richard 2016 Statewide Runoff Audit Report

The Opt totals are the total number of ballots cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into two master audit files, the EL155 Vote image log and the EL152 iVotronic event log. The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine. Counting the number of asterisks in a precinct we get the number of ballots cast in that precinct. That number should always match the number in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total does not match the EL30A Total value, the auditor is prompted to read the paper report from the optical scanner and enter the total ballots cast into the auditing program.

If the sum of the audit iVotronic and Optical ballots cast still do not match the EL30A total value, then the audit software reads the EL68 Manual Entry log for any changes made in that precinct to either the iVo or Opt totals by the CEC staff. It displays any manual entries to the auditor for inclusion into the totals. If accepted by the auditor these entries are automatically added to the Man column from the Manual Entry log.

Finally, the audit software calculates the Delta value which should be zero unless the sum of the iVo, the Opt and the Man do not match the EL30A Total column. If the Delta is greater than zero then audit data is missing. A comment will be placed on that line in the report indicating missing audit data. If the Delta value is less than zero then there are more ballots in the audit data than there are in the tabulated data and a comment will be placed on that line in the report.

Wherever possible, the audit system will attempt to indicate where the difference is by displaying the iVotronic machine numbers and the number of ballots cast on that machine that exist in the audit data. In the case of missing tabulated data, it might be possible to identify a machine that has the same number of ballots cast as the delta value and that number and ballot count will be highlighted with a < sign. If there is a non zero Delta value there will be an entry by the auditor explaining the variance.

Finally, there is a EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots table in the report. This table should indicate that the number of ballots cast in the EL30A match the numbers in the EL155 and the EL152 report. Then there are some statistics pulled from the EL152 report that indicate how many ballots were cast by the voter and the number cast by the poll worker. Lastly the number of ballots that were cancelled and the reason they were cancelled. It should be noted that the reason cancelled is chosen from a pull down menu presented to the poll worker when a ballot is cancelled, there is no way to validate the poll worker's choice.

Richland 2016 Statewide Runoff Audit Report

Richland Vote Level Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 13:07:49, Thu Jun 30, 2016

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0111 Ward 11 County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		6 6	0 0	6 6	0 0	6 6	0 0	
0126 Ward 26 County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		2 4	0 0	2 4	0 0	2 4	0 0	
0405 Bluff County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		159 101	0 0	159 101	0 0	159 101	0 0	
0409 Bookman State House of Rep Dist 79 State House of Rep Dist 79	Moni ca El ki ns Ivory Thi gpen		58 95	0 0	58 95	0 0	58 95	0 0	
0413 Bridge Creek State House of Rep Dist 79 State House of Rep Dist 79	Moni ca El ki ns Ivory Thi gpen		42 99	0 0	42 99	0 0	42 99	0 0	
0423 Eastover County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		165 177	0 0	165 177	0 0	165 177	0 0	
0425 Estates State House of Rep Dist 79 State House of Rep Dist 79	Moni ca El ki ns Ivory Thi gpen		46 60	0 0	46 60	0 0	46 60	0 0	
0434 Gadsden County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		333 87	0 0	333 87	0 0	333 87	0 0	
0435 Garners County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		42 26	0 0	42 26	0 0	42 26	0 0	
0441 Hopki ns County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		272 68	0 0	272 68	0 0	272 68	0 0	
0442 Hopki ns 2 County Council District 10 County Council District 10	Dal hi Myers Berni ce Scott		263 78	0 0	263 78	0 0	263 78	0 0	

Richland 2016 Statewide Runoff Audit Report

0451 Lake Carolina							
State House of Rep Dist 79	Monica Elkins	10	0	10	0	10	0
State House of Rep Dist 79	Ivory Thi gpen	32	0	32	0	32	0
0456 Mallet Hill							
County Council District 10	Dal hi Myers	22	0	22	0	22	0
County Council District 10	Berni ce Scott	2	0	2	0	2	0
0463 North Springs 1							
State House of Rep Dist 79	Monica Elkins	33	0	33	0	33	0
State House of Rep Dist 79	Ivory Thi gpen	45	0	45	0	45	0
0464 North Springs 2							
State House of Rep Dist 79	Monica Elkins	0	0	0	0	* No Audit Data expected or found	
State House of Rep Dist 79	Ivory Thi gpen	1	0	1	0	1	0
0465 North Springs 3							
State House of Rep Dist 79	Monica Elkins	24	0	24	0	24	0
State House of Rep Dist 79	Ivory Thi gpen	47	0	47	0	47	0
0470 Olympia							
County Council District 10	Dal hi Myers	45	0	45	0	45	0
County Council District 10	Berni ce Scott	29	0	29	0	29	0
0473 Parkway 1							
State House of Rep Dist 79	Monica Elkins	74	0	74	0	74	0
State House of Rep Dist 79	Ivory Thi gpen	120	0	120	0	120	0
0474 Parkway 2							
State House of Rep Dist 79	Monica Elkins	59	0	59	0	59	0
State House of Rep Dist 79	Ivory Thi gpen	122	0	122	0	122	0
0475 Parkway 3							
State House of Rep Dist 79	Monica Elkins	51	0	51	0	51	0
State House of Rep Dist 79	Ivory Thi gpen	99	0	99	0	99	0
0482 Polo Road							
County Council District 10	Dal hi Myers	36	0	36	0	36	0
County Council District 10	Berni ce Scott	9	0	9	0	9	0
0483 Pontiac 1							
County Council District 10	Dal hi Myers	18	0	18	0	18	0
County Council District 10	Berni ce Scott	16	0	16	0	16	0
0485 Rice Creek 1							
State House of Rep Dist 79	Monica Elkins	37	0	37	0	37	0
State House of Rep Dist 79	Ivory Thi gpen	62	0	62	0	62	0
0486 Rice Creek 2							
State House of Rep Dist 79	Monica Elkins	70	0	70	0	70	0
State House of Rep Dist 79	Ivory Thi gpen	123	0	123	0	123	0

Richland 2016 Statewide Runoff Audit Report

0487	Ridge View 1							
	State House of Rep Dist 79	Monica Elkins	67	0	67	0	67	0
	State House of Rep Dist 79	Ivory Thi gpen	124	0	124	0	124	0
0488	Ridge View 2							
	State House of Rep Dist 79	Monica Elkins	61	0	61	0	61	0
	State House of Rep Dist 79	Ivory Thi gpen	126	0	126	0	126	0
0509	Valley State Park							
	State House of Rep Dist 79	Monica Elkins	21	0	21	0	21	0
	State House of Rep Dist 79	Ivory Thi gpen	53	0	53	0	53	0
0511	Webber							
	County Council District 10	Dal hi Myers	49	0	49	0	49	0
	County Council District 10	Berni ce Scott	36	0	36	0	36	0
0514	Wildewood							
	County Council District 10	Dal hi Myers	6	0	6	0	6	0
	County Council District 10	Berni ce Scott	2	0	2	0	2	0
0515	Woodfi el d							
	County Council District 10	Dal hi Myers	53	0	53	0	53	0
	County Council District 10	Berni ce Scott	15	0	15	0	15	0
0750	Absentee							
	State House of Rep Dist 79	Monica Elkins	68	57	11	0	11	0
	State House of Rep Dist 79	Ivory Thi gpen	67	45	22	0	22	0
	County Council District 10	Dal hi Myers	215	139	76	0	76	0
	County Council District 10	Berni ce Scott	115	70	45	0	47	-2 PEB Data

Audi tor' s Comments:

Total number of iVotronic ballots cast containing no votes: 13
 The following precincts have no ballots cast in them: Emergency
 Note: PEB Data is missing

County Comment:

Had to remove a coded ballot and got an error message. Cobol error. It turns out that the election was set up as a closed primary and the stat counters were off. ES&S talked the county Unity Operator through changes in HPM to correct the issue.

0800	Emergency							
	State House of Rep Dist 79	Monica Elkins	0	0	0	0	0	* No Audit Data expected or found
	State House of Rep Dist 79	Ivory Thi gpen	0	0	0	0	0	* No Audit Data expected or found
	County Council District 10	Dal hi Myers	0	0	0	0	0	* No Audit Data expected or found
	County Council District 10	Berni ce Scott	0	0	0	0	0	* No Audit Data expected or found
0850	Fai l safe							
	State House of Rep Dist 79	Monica Elkins	0	0	0	0	0	* No Audit Data expected or found
	State House of Rep Dist 79	Ivory Thi gpen	0	0	0	0	0	* No Audit Data expected or found
	County Council District 10	Dal hi Myers	2	0	2	0	2	0
	County Council District 10	Berni ce Scott	0	0	0	0	0	* No Audit Data expected or found

Richland 2016 Statewide Runoff Audit Report

0900 Provisional						
State House of Rep Dist 79	Monica Elkins	0	0	0	0	* No Audit Data expected or found
State House of Rep Dist 79	Ivory Thiopen	2	2	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.
County Council District 10	Dalhi Myers	0	0	0	0	* No Audit Data expected or found
County Council District 10	Bernice Scott	1	1	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.

There was no unmatched audit data.

How to read this report.

This is the vote level report. It compares the number of votes cast for each candidate in the tabulation report with the number of ballots cast in the audit data for each candidates in each precinct.

The tabulated values as read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. In the EL30A report all Write-in votes are added together and reported as one candidate name - Write-in. The EL30A does not report individual Write-in candidates.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into a master audit file, the EL155 Vote image log.

The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine counting the number of times a candidate name for a contest appears in a precinct we get the number of votes cast in that precinct for that candidates. That number should always match the number of votes cast for that candidate in that contest in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total votes does not match the EL30A iVo value one of two things will occur. The first is if the iVotronic tabulated is zero and the Total tabulated votes match the tabulated Optical votes the following comment is made in the Audit side of the report; All votes cast for this candidate in this precinct are optical No Audit Data for optical, or secondly, if the iVotronic total is not zero, a notation indicating which data Audit data In the event a candidate or the combined Write-in candidates did not receive any votes in a precinct the EL30A will report a zero vote count. If there are no votes for this candidate in a precinct in the audit data,

Richland 2016 Statewide Runoff Audit Report

the following comment will be placed into the audit report by the auditing software; No Audit Data expected or found.

Finally the audit software will search the audit data for any votes that were not found on the EL30A report. If it finds some, it will report those vote totals by contest, candidate name and precinct. if it does not find any unmatched audit data it will report; There was no unmatched audit data

 Richland EL30A45A Comparison Report
 Election: 2016 Statewide Runoff
 Audit Date: 13:12:38, Thu Jun 30, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
County Council District 10	Dalhi Myers		1688	139	1549	0	1688	139	1549	0	0
County Council District 10	Bernice Scott		772	71	701	0	772	71	701	0	0
State House of Rep Dist 79	Monica Elkins		721	57	664	0	721	57	664	0	0
State House of Rep Dist 79	Ivory Thiopen		1277	47	1230	0	1277	47	1230	0	0

How to read this report.

This is EL30A EL45A Crosscheck Report. It sums each candidates vote totals in each precinct in the EL30A Precinct Detail Report and compares it to the EL45A Election Summary Report that contains the tabulated total for each candidate in the county.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precince line values.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values read from the EL45A report are reported in same four categories; Total, Optical (Opt), iVotronic (iVo) and Flash as the EL30A. Like the EL30A they are parsed from the actual EL45A report. The summary candidate totals are compared against the calculated sums for each candidate from, the EL30A report. Each of the values in each line on the EL30A side must match the same value on the EL45A side and the Delta value must be zero.

Richland PEB Use Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:58:21, Thu Jun 30, 2016

Precinct	PEBs Used	Comments
North Springs 3	152683	
Olympia	152813	
Parkway 1	157395	
Parkway 2	153324	
Parkway 3	152615	
Pol o Road	153430	
Pontiac 1	157205	
Rice Creek 1	153000	
Rice Creek 2	157445	
Ridge View 1	153413	
Ridge View 2	152609	
Valley State Park	157681	
Webber	153337	
Wildewood	153003	
Woodfield	153161	
Absentee	152603	
Fail safe	152603	
Ward 11	152662	
Ward 26	157332	
Bluff	152700	
Bookman	187343	
Bridge Creek	153418	
Eastover	142540	
Estates	153070	
Gadsden	134538	
Garners	153074	
Hopkins	157413	
Hopkins 2	208104	
Lake Carolina	152944	
Mallet Hill	152644	
North Springs 1	153422	
North Springs 2	157684	

32 precincts processed

The following precinct(s) have no ballots cast in them: Emergency
 Note: if there are no ballots cast in a precinct the machines in that precinct cannot be identified so these precinct(s) will not appear in this report.

How to read this report.

Richard 2016 Statewide Runoff Audit Report

This is the PEB Used report. It lists the precincts found in the Audit data and lists all the PEBs that were used by the poll workers to open and close the iVotronic machines in that precinct.

If more than one PEB is used to open and close all the iVotronic machines in a precinct, then the County Election Commission must read ALL the PEBs used in that precinct to assure that they have collected all the ballots from that precinct. A county whose report shows a precinct that has machines open or closed by more than one PEB should double check the Ballot Audit Report against the iVotronic paper tapes and the Poll Book to make sure that all the ballots have been collected and tabulated.

Richard PEB Exceptions Report
 Election: 2016 Statewide Runoff
 Election date: 06/28/2016
 Audit Date: 12:58:21, Thu Jun 30, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5127483	152603	06/21/2016 15:37:03	152603	06/28/2016 19:02:37	>>Open Date<<	Absentee - 21
5127483	152603	06/21/2016 15:37:03	152603	06/28/2016 19:02:37	Open Time	Absentee - 21
5128457	152603	06/21/2016 15:40:13	152603	06/28/2016 19:05:37	>>Open Date<<	Absentee - 18
5128457	152603	06/21/2016 15:40:13	152603	06/28/2016 19:05:37	Open Time	Absentee - 18
5137569	152603	06/21/2016 15:38:53	152603	06/28/2016 19:04:24	>>Open Date<<	Absentee - 117 Fail safe - 2
5137569	152603	06/21/2016 15:38:53	152603	06/28/2016 19:04:24	Open Time	Absentee - 117 Fail safe - 2

The following machines(s) have audit records but no ballots were cast on them: 5107307, 5122873, 5135820
 Because they do not have ballots cast, they cannot be matched to a precinct.

How to read this report.

This is the PEB Exceptions Report. It checks for the following conditions in the iVotronic Event Log;

- 1: A machine that was opened and closed by different PEBs
- 2: A Machine that was not opened on Election Date - could be either an absentee or test machine
- 3: A Machine that was not closed on Election Date - could have had problem closing
- 4: A Machine that was not opened by 7 am - note most Absentee machines will show up here
- 5: A Machine that was closed before 7pm - polls close at 7 PM
- 6: A Machine that was not closed ever.
- 7: A machine that has no ballots cast on it.

Each of the events above detected are reported on a separate line, each line contains the following information: iVotronic machine number, Opening PEB Number, Open Time, Closing PEB Number, Closing Time, the Exception Type and the Precinct and the Ballots Cast on that machine.

Absentee and Fail safe precinct machines are opened during the middle of the day several days before the election date

of 06/28/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.