



2022 Primary Election Risk-limiting Audit Discrepancy Report

The attached report represents the discrepancies reported by audit boards during the 2022 Primary Election. It is generated using the Colorado Risk-limiting Audit Software with annotations by the Voting Systems team in the Colorado Secretary of State's office. For the original version of the report used, see the report labeled CVR to audit board interpretation comparison (Round 2) on the Audit Center of the Secretary of State's website.

This report contains the following columns:

- **county_name** – The county that audited the ballot on which the discrepancy occurred
- **contest_name** – The contest on the ballot that had the discrepancy
- **imprinted_id** – This is the unique number assigned to each ballot. In the Democracy Suite voting system the imprinted_id is a three-part number (X-XXX-XXX). The first part represents the tabulator the ballot was tabulated on. The second part represents the batch number of that tabulator. The third part represents the ballot position within the batch. The ClearVote system uses a similar notation, with the addition of a notation for the election added. Rows are also colored or not to show discrepancies that are on the same ballot, but in different contests.
- **choice_per_voting_computer** – The choice that was tabulated by the voting system according to the cast vote record
- **audit_board_selection** – The choice that was reported by the audit board
- **audit_reason** – Denotes a targeted race on a ballot by listing the type of audit reason (state or county)
- **Discrepancy Reason** – The Voting Systems team determination on the most probable reason for the discrepancy.

After the audit has concluded, counties are required to send images of each ballot that had a discrepancy (regardless of it being a targeted contest or not). The Voting Systems team at the Secretary of State's office then compares the images to reports and uses any information given by the county to try to determine the most likely reason for the discrepancy. In the 2022 Primary Election the following reasons were most likely responsible for all discrepancies:

- **Audit Board Error** – The audit board entered incorrect information which did not accurately represent the voter markings.
- **Wrong ballot** – The audit board retrieved a different ballot than the ballot required by the RLA software, and therefore entered in incorrect choices

- Voting System Limitation – A narrow circumstance where the voting system tabulates a vote for a selection the voter corrected because the voter did not choose a different choice in the contest. (A different selection would result in an overvote and the system would out-stack the ballot for adjudication by election judges.) In this case, the voting system is incapable of discerning true voter intent.
- Ambiguous Voter Intent – The voter marked their ballot in a way that is not easy to interpret. Because of this ambiguity the adjudication judges and audit board disagreed about how the voter’s intent should be interpreted.
- Voter Mistake – The voter marked their ballot in a way that was contrary to on-ballot instructions that resulted in the voting system incorrectly determining voter intent. For example, the voter marked certain races outside of the target areas of certain choices.
- Adjudication Error – When the ballot was presented for adjudication during tabulation, the bipartisan team of adjudication judges did not correctly adjudicate the ballot according to the Secretary of State’s Voter Intent Guide.
- CDOS Instructions Deficiency—The ClearVote voting system tabulates write-in votes in the CVR differently from the Democracy Suite system. This difference had the potential to cause a misreport in the Colorado RLA Software. Steps were given to the two counties that use ClearVote to mitigate this issue. However, the mitigation technique did not cover all potential scenarios which resulted in reported discrepancies by the software. Write-in votes were tabulated correctly by the voting system.

The reasons for the discrepancies are an interpretation by the Voting Systems team based on the ballot image as well as some supporting data found in the audit reports or provided by county staff. It is not definitive. Likewise, this list of types of discrepancies is not exhaustive, but are the only types that were found by the Voting Systems team in this election.

county_nam	contest_name	imprinted_id	choice_per_voting_computer	audit_board_selection	audit_reason	Discrepancy Reason
Adams	Adams County Sheriff - REP	1-185-81	"Mike "Mac" McIntosh"			Adjudication Error
Adams	Adams County Coroner - DEM	7-64-19	"Monica Broncucia-Jordan"			Voting System Limitation
Arapahoe	Arapahoe County Commissioner - District 2 - DEM	3-142-82	"Jessica Campbell-Swanson"			Voting System Limitation
Bent	State Representative - District 47 - DEM	2-14-9		"Edwin Dean Ormiston"		Voter Mistake
Cheyenne	Cheyenne County Assessor - REP	2-9-7	"Lacey Welsh"			Audit Board Error
Cheyenne	Cheyenne County Coroner - REP	2-9-7	"Raymond Dean Kern"			Audit Board Error
Cheyenne	Cheyenne County Sheriff - REP	2-9-7	"Michael L. Buchanan"			Audit Board Error
Cheyenne	Cheyenne County Treasurer - REP	2-9-7	"Gaila Mitchek"			Audit Board Error
Conejos	United States Senator - REP	2-50-6	"Joe O'Dea"	"Ron Hanks", "Joe O'Dea"		Audit Board Error
Conejos	Governor - REP	2-60-2	"Heidi Ganahl"	"Greg Lopez", "Heidi Ganahl"		Audit Board Error
Conejos	Secretary of State - REP	2-67-10	"Tina Peters"	"Tina Peters", "Mike O'Donnell", "Pam Anderson"		Audit Board Error
Costilla	Governor - REP	4-15-12	"Greg Lopez"	"Heidi Ganahl"		Audit Board Error
Dolores	Dolores County - United States Senator - REP	2-7-9		"Ron Hanks"	COUNTY_WIDE_CONTEST	Wrong Ballot
Dolores	Governor - REP	2-7-9		"Greg Lopez"		Wrong Ballot
Dolores	Representative to the 118th United States Congress - District 3 - REP	2-7-9	"Don Coram"	"Lauren Boebert"		Wrong Ballot
Dolores	Secretary of State - REP	2-7-9	"Pam Anderson"	"Tina Peters"		Wrong Ballot
Dolores	Dolores County Treasurer - REP	2-7-16	"Lenore Dianne Johnson"	"Taylor L Funk"	COUNTY_WIDE_CONTEST	Wrong Ballot
Dolores	Governor - REP	2-7-16	"Heidi Ganahl"	"Greg Lopez"		Wrong Ballot
Douglas	Douglas County Coroner - REP	1-PRI-0394-43		"Raeann Brown"		Audit Board Error
Douglas	Douglas County Surveyor - REP	1-PRI-0394-43		"Darrell E. Roberts"		Audit Board Error
Douglas	Douglas County Coroner - REP	1-PRI-0401-21		"Raeann Brown"		Audit Board Error
Douglas	Douglas County Surveyor - REP	1-PRI-0401-21		"Darrell E. Roberts"		Audit Board Error
Douglas	United States Senator - REP	1-PRI-0485-15	"Joe O'Dea"	"Ron Hanks"		Audit Board Error
Douglas	United States Senator - REP	1-PRI-0736-3	"Ron Hanks"	"Joe O'Dea"		Audit Board Error
Douglas	United States Senator - REP	1-PRI-0765-65	"Certified Write-in"			CDOS Instructions Deficiency
Douglas	United States Senator - REP	1-PRI-0805-96	"Joe O'Dea"			Voting System Limitation
Douglas	Douglas County Assessor - REP	1-PRI-0818-53		"Toby Damisch"		Audit Board Error
Douglas	Attorney General - REP	1-PRI-0853-55		"John Kellner"		Wrong Ballot
Douglas	Douglas County Assessor - REP	1-PRI-0853-55		"Toby Damisch"		Wrong Ballot
Douglas	Douglas County Clerk and Recorder - REP	1-PRI-0853-55	"Sheri Davis"	"Kory Nelson"		Wrong Ballot
Douglas	Douglas County Commissioner - District 1 - REP	1-PRI-0853-55		"Abe Laydon"		Wrong Ballot
Douglas	Douglas County Coroner - REP	1-PRI-0853-55		"Raeann Brown"		Wrong Ballot
Douglas	Douglas County Sheriff - REP	1-PRI-0853-55	"Lora Thomas"	"Holly Kluth"	COUNTY_WIDE_CONTEST	Wrong Ballot
Douglas	Douglas County Surveyor - REP	1-PRI-0853-55		"Darrell E. Roberts"		Wrong Ballot
Douglas	Douglas County Treasurer - REP	1-PRI-0853-55		"Dave Gill"		Wrong Ballot
Douglas	Regent of the University of Colorado - Congressional District 4 - REP	1-PRI-0853-55		"Frank McNulty"		Wrong Ballot
Douglas	Secretary of State - REP	1-PRI-0853-55	"Mike O'Donnell"	"Pam Anderson"		Wrong Ballot
Douglas	State Board of Education Member - At Large - REP	1-PRI-0853-55		"Dan Maloit"		Wrong Ballot
Douglas	State Representative - District 43 - REP	1-PRI-0853-55	"Robin Webb"	"Kurt Huffman"		Wrong Ballot
Douglas	State Senator - District 30 - REP	1-PRI-0853-55		"Kevin Van Winkle"		Wrong Ballot
Douglas	State Treasurer - REP	1-PRI-0853-55		"Lang Sias"		Wrong Ballot
Douglas	Douglas County Treasurer - REP	1-PRI-0869-58		"Dave Gill"		Ambiguous Voter Intent
Douglas	State Representative - District 44 - REP	1-PRI-0902-54	"Anthony Hartsook"	"Terry Dodd"		Audit Board Error
Douglas	Douglas County Commissioner - District 1 - REP	1-PRI-0927-73	"Abe Laydon"			Voting System Limitation
Douglas	Attorney General - REP	1-PRI-0969-73		"John Kellner"		Audit Board Error
El Paso	Representative to the 118th United States Congress - District 5 - REP	10-268-59	"Dave Williams"			Voting System Limitation
El Paso	United States Senator - REP	10-268-59	"Ron Hanks"			Voting System Limitation
Elbert	Attorney General - REP	1-165-8	"John Kellner"			Wrong Ballot
Elbert	Elbert County Assessor - REP	1-165-8	"Susan Murphy"			Wrong Ballot
Elbert	Elbert County Clerk and Recorder - REP	1-165-8	"Rhonda Braun"			Wrong Ballot
Elbert	Elbert County Commissioner District 2 - REP	1-165-8	"Dallas Schroeder"			Wrong Ballot

Elbert	Elbert County Treasurer - REP	1-165-8	"Sheryl (Sherry) Hewlett"			Wrong Ballot
Elbert	Regent of the University of Colorado - Congressional District 4 - REP	1-165-8	"Frank McNulty"			Wrong Ballot
Elbert	Secretary of State - REP	1-165-8	"Tina Peters"			Wrong Ballot
Elbert	State Board of Education Member - At Large - REP	1-165-8	"Dan Maloit"			Wrong Ballot
Elbert	State Representative - District 56 - REP	1-165-8	"Rod Bockenfeld"			Wrong Ballot
Elbert	State Senator - District 35 - REP	1-165-8	"Rod Pelton"			Wrong Ballot
Elbert	State Treasurer - REP	1-165-8	"Lang Sias"			Wrong Ballot
Garfield	Garfield County - United States Senator - REP	1-VBM-0071-47	"CertifiedWrite-in"		COUNTY_WIDE_CONTEST	CDOS Instructions Deficiency
Garfield	Garfield County - United States Senator - REP	1-VBM-0094-40	"CertifiedWrite-in"		COUNTY_WIDE_CONTEST	CDOS Instructions Deficiency
Mesa	Mesa County Sheriff - REP	11-446-55	"Bob Dalley"	"Todd Rowell"		Audit Board Error
Park	Park County Coroner - DEM	2-47-13		"Gwendolyn Kay Morgan"		Audit Board Error
Prowers	Attorney General - REP	2-51-23	"John Kellner"			Wrong Ballot
Prowers	Prowers County Assessor - REP	2-51-23	"Andy Wyatt"			Wrong Ballot
Prowers	Prowers County Commissioner District 2 - REP	2-51-23	"Ron Cook"			Wrong Ballot
Prowers	Prowers County Coroner - REP	2-51-23	"Thomas Dunagan"	"Jacqueline Parker"	COUNTY_WIDE_CONTEST	Wrong Ballot
Prowers	Prowers County Sheriff - REP	2-51-23	"Sam Zordel"			Wrong Ballot
Prowers	Prowers County Treasurer - REP	2-51-23	"Judy L. Wittman"			Wrong Ballot
Prowers	Regent of the University of Colorado - Congressional District 4 - REP	2-51-23	"Frank McNulty"			Wrong Ballot
Prowers	State Board of Education Member - At Large - REP	2-51-23	"Dan Maloit"			Wrong Ballot
Prowers	State Representative - District 47 - REP	2-51-23	"Ty Winter"			Wrong Ballot
Prowers	State Senator - District 35 - REP	2-51-23	"Rod Pelton"			Wrong Ballot
Prowers	State Treasurer - REP	2-51-23	"Lang Sias"			Wrong Ballot
Rio Blanco	Secretary of State - REP	2-51-19	"Mike O'Donnell"	"Pam Anderson"		Wrong Ballot
Rio Blanco	United States Senator - REP	2-51-19		"Joe O'Dea"		Wrong Ballot
Rio Blanco	Rio Blanco County Coroner - REP	2-51-9		"Laura L. Smith"		Audit Board Error
Saguache	Secretary of State - REP	2-46-10		"Pam Anderson"		Voter Mistake
Sedgwick	Governor - REP	2-18-15	"Heidi Ganahl"	"Greg Lopez", "Heidi Ganahl"		Audit Board Error
Washington	Attorney General - REP	1-53-21		"John Kellner"		Wrong Ballot
Washington	Regent of the University of Colorado - Congressional District 4 - REP	1-53-21		"Frank McNulty"		Wrong Ballot
Washington	Representative to the 118th United States Congress - District 4 - REP	1-53-21	"Robert Lewis"	"Ken Buck"		Wrong Ballot
Washington	Secretary of State - REP	1-53-21	"Tina Peters"	"Mike O'Donnell"		Wrong Ballot
Washington	State Board of Education Member - At Large - REP	1-53-21		"Dan Maloit"		Wrong Ballot
Washington	State Senator - District 1 - REP	1-53-21		"Byron Pelton"		Wrong Ballot
Washington	State Treasurer - REP	1-53-21		"Lang Sias"		Wrong Ballot
Yuma	Yuma County Commissioner - District 1 - REP	2-41-23	"Jamie Unger"	"Adam Gates"		Audit Board Error