



## GE2022 Oversight Audit Achievements

An independent Oversight Audit of the GE2022 election was conducted by the TrueLove316 Team of Data Scientists to determine how verifiable and integrous was the Maricopa County GE2022 Election Processing from Public Records Data .

### - End-to-end Chain of Custody Audit Developed

A) Reviewed and analyzed 3586 election artifacts inclusive of:

- tabulator tape logs
- precinct ballot reports
- system log files
- poll checkin data
- provisional voter lists
- cast vote record data

B) Relevant data from these artifacts were loaded into an integrated Data Warehousing Reporting model to generate data-backed answers to election system questions regarding accuracy and integrity.

- Broad-based set of audit data analytics reports developed across the Election Data systems

- Identified flaws in processing that may have contributed to irreparable harm in elections that were close.

B) Developed a perusable **Voting Center Audit repository by Voting Center** giving a 100% clear view of process and procedural adherence.

- Below is an example of a Voting Center End to End Audit, combining election center data and images of Tabulator Tape logs and other relevant source documentation.

#### **100% of the 223 GE2022 Election Voting Centers were audited**

while audit documentation was generated for 75% of those Election Voting Centers focusing on the Voting Centers showing the most issues.



## GE2022 Oversight Audit Achievements

2/7/2025

### PBR Audit Report for Dysart Community Center - 15203

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Group Heading	SORTO RD	Dataset	TabGroup	FacName	FacNumber
	1			Vote Center	
Exhibit 11 Reconciliation - PRR1512	2	PRR1512		DYSART COMMUNITY CENTER 15203	
Voting Center Data - Comparison of Exhibit 11 vs Data-backed Reconciliation	7	Dataset1	TabGroup	FacName	FacNumber
	8	Exhibit 11 Reconciliation	VC179	DYSART COMMUNITY CENTER	15203
	9	Dataset2	TabGroup	FacName	FacNumber
	10	Reconciliation with Data	VC179	DYSART COMMUNITY CENTER	15203
	12				
	19	Precinct Ballot Header - showing which Voting Center	Tabulator 1 and Tabulator 2 Counts	Door 3 / Spoiled Ballot Count	
Precinct Ballot Report Data	20				
	23		Results Report Tape - Ballots Cast	Results Report Tape - Ballots Cast	Tabulator A Signatures
	24		15203-A	15203-B	
Tabulator Tape Data - Ballots Cast	25				
	30				
Voting Center Tabulation Reports / Ballot Counts Processed by Serial No	31	SRC_Tabulator	FacName	SerialNo	MinTime
	32	15203 A	DYSART COMMUNITY CENTER	VAL21520003	Nov 8 2022 6:41AM
	32	15203_A	DYSART COMMUNITY CENTER	VAL21520003	Nov 8 2022 6:41AM
	32	15203 B	DYSART COMMUNITY CENTER	VAL21520096	Nov 8 2022 7:01AM
	32	15203 B	DYSART COMMUNITY CENTER	VAL21520096	Nov 8 2022 7:01AM



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ReportingSource	Checkins Comparison	VC Tabulated Ballots	Door3Count	Checkin Variance	BallotsCast	---
Source of Reporting for Official Results of Column C/D		Voter Check-ins	Election Day Ballots - Reported (Memory Cards)	Secure Ballot Box (Door 3) - Counted at Central Count	Variance	Total Election Day Ballots Included in Official Results
Memory Cards	428	418	10	0	428	
<b>Reporting Source</b>	<b>Exh11 Checkins</b>	<b>Exh11_ReportedBallots</b>	<b>Exh11_Door3Ballots</b>	<b>Exh11_Checkin Variance</b>	<b>Exh11_BallotsCast</b>	
Memory Cards	428	418	10	0	428	
ReportingSource_Verified	<b>Tearsheet_Checkins</b>	SLOG BallotTabCnt	Door3 (PBR if Counted,else Exh11)	<b>BallotsProcessed-Tearsheet_Checkins</b>	BallotsProcessed	<b>Ballots Processed vs Exh11_BallotsCast</b>
Memory Cards	787	418	16	-353	434	6
<b>Precinct Ballot Signatures</b>						
<b>Tabulator B Signatures</b>						
<b>MaxTime</b>	<b>BallotCnt</b>	<b>ReportTime</b>	<b>SerialNo Cnt</b>	<b>RptType</b>		
Nov 8 2022 7:23PM	148	Nov 8 2022 6:09AM	1	zero tape report		
Nov 8 2022 7:23PM	148	Nov 8 2022 8:38PM	1	results tape report		
Nov 8 2022 8:15PM	270	Nov 8 2022 6:07AM	1	zero tape report		
Nov 8 2022 8:15PM	270	Nov 8 2022 8:24PM	1	results tape report		
	418					

C) The **Voting Center End-to\_End Audit** development was done to validate and verify the accuracy of the Exhibit 11 Election Day Voting Center Audit reconciliation included in the response to a legislative subpoena issued by Kelly Townsend, the chair of the governmental affairs committee.

D) **Developed Canvass Results Report Audit methodology** - The attempted reconciliation of the Official Election Canvass Results to the underlying election data and artifacts led to the finding that the Official Canvass was off by 2178 Ballots cast. See the High Level charts below.



# GE2022 Oversight Audit Achievements



## GE2022 Canvass Audit – Overall Ballots Cast

### EMS Databases

Maricopa County Voter Registration Database = 1,560,126

AVID Statewide Database = 1,560,343

VM55 Final Voted File = 1,560,372

### Canvass Databases

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FINAL OFFICIAL RESULTS  
General Election  
Maricopa County  
November 8, 2022

Elector Group	Counting Group	Ballots	Voters	Registered Voters	Turnout
Total	EARLY VOTE	1,311,734	1,311,734		53.86%
	ELECTION DAY	248,070	248,070		10.19%
	PROVISIONAL	2,954	2,954		0.12%
	Total	1,562,758	1,562,758	2,435,397	64.17%

Registered Voters: 1,562,758 of 2,435,397 (64.17%)  
Ballots Cast: 1,562,758

Canvass Results (per Cast Vote Record Data) = 1,562,550

- There are 5 databases that show election results
- EMS Databases include 3 data sets (left column)
- Canvass Databases include 2 data sets (right column)
- Election results should be equal in all 5

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- Canvass data in 2 data sets (right column) show 2,178 more voters than the EMS databases in 3 data sets indicate (left column)
- Because these overall results cannot be linked to a Voter across the Election Management Systems (EMS) databases, the Canvass results appear to be overstated by 2178 Ballots.

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