VSTOP
Voting System Technical Oversight Program

January 13, 2023

Amy Kippenbrock
Dubois County Clerk
1 Courthouse Square
Jasper, IN 47546

Dear Clerk Kippenbrock,

On January 10, 2023, the VSTOP team successfully completed a post-election audit in Dubois County, Indiana, for the 2022 General Election. The VSTOP Team members who participated in person included Dr. Chad Kinsella, VSTOP Co-Director; Liz Beatrice, VSTOP Program Manager; and Rachael Alaniz, VSTOP Project Specialist. This activity was carried out by the VSTOP Team in collaboration with the Wayne County Team. The Wayne County Team members included Amy Kippenbrock, Dubois County Clerk; Audrey Kemler, Dubois County Deputy Clerk; Mary Beckman, Dubois County post-election audit volunteer; David Shelton, Knox County Clerk; Darrell Stephens, Spencer County Clerk; and Michael Harmon, Dubois County Voter Registration Clerk. Vendor representatives Steve Shamo, MicroVote General Manager, and Allen Vermillion, MicroVote Regional Manager were also present and assisted throughout the audit. The audit was observed by Sandra Hopf, Dubois County community member, and Matthew Crane of the Dubois County Free Press

The VSTOP Team would like to express its gratitude and appreciation to Clerk Kippenbrock, her team, and the Dubois County Election Board for hosting this post-election audit. Several preparatory meetings were conducted with the county in the weeks leading up to the post-election audit and Clerk Kippenbrock provided valuable information and data that was used to conduct the audit.

The post-election audit began with an introductory presentation to the county participants on the morning of the audit. This presentation included the generation of a 20-digit seed number, in collaboration with all county participants. The seed number produced is as follows: 59943383547949787798.

The VSTOP team would also like to take this opportunity to provide a brief description of the post-election audit conducted and the contests that were audited. Dubois County uses the MicroVote EMS 4.3 Direct-Record Electronic Voting System with Voter Verifiable Paper Audit Trails. The post-election audit was carried out for all Election Day and Walk-In Absentee ballots cast during the Dubois County 2022 General Election.

In consultation with Dubois County, the following three races were audited with an initial risk limit set at 9% (as the attached report shows, the actual risk limits attained were lower):

- Auditor of State
- Judge of the Superior Court
- County Commissioner District 2

There were a total of 13,532 Election Day and Absentee Ballots cast on voter-verifiable paper audit trails. 51 Election Day and Absentee ballots were sampled to reach the risk limit and verify the outcomes. Of this total, the audit team was required to sample 13 ballots for Auditor of State, 15 ballots for Superior Court Judge, and 23 ballots for County Commissioner District 2 to meet the risk limit. Specifics regarding the outcomes of each race are displayed by way of images provided by Dr. Philip Stark's Audit Tool used to conduct the post-election audit and can be found in Appendix A.

VSTOP acknowledges the Indiana Secretary of State and his office staff for their full support. At the end of all post-election audits for the 2022 General Election, a full report of the audit results will be prepared and submitted to the Indiana Secretary of State and each participating county.

Jay Bagga
Dr. Jay Bagga, VSTOP Co-Director

Chad Kinsella
Dr. Chad Kinsella, VSTOP Co-Director

Dubois County Post-Election Audit Procedure

Election: 2022 General Election

Date(s) of Audit: January 10, 2023

Number of Registered Voters: 30,429

Total Number of Ballots Cast: 14,023

Total Number of Ballots Cast on Voter-Verifiable Paper Audit Trails: 13,532

Stark's Risk-Limit: Initially set at 9%
(See below for the actual risk-limited achieved)

Seed Number: 59943383547949787798

Post-Election Audit Method: Ballot Comparison Risk-Limiting Audit

Post-Election Audit Tools used: The ballot comparison post-election audit tools have been designed by Dr. Philip Stark and are available at:
https://www.stat.berkeley.edu/~stark/Vote/auditTools.htm

Races Audited:

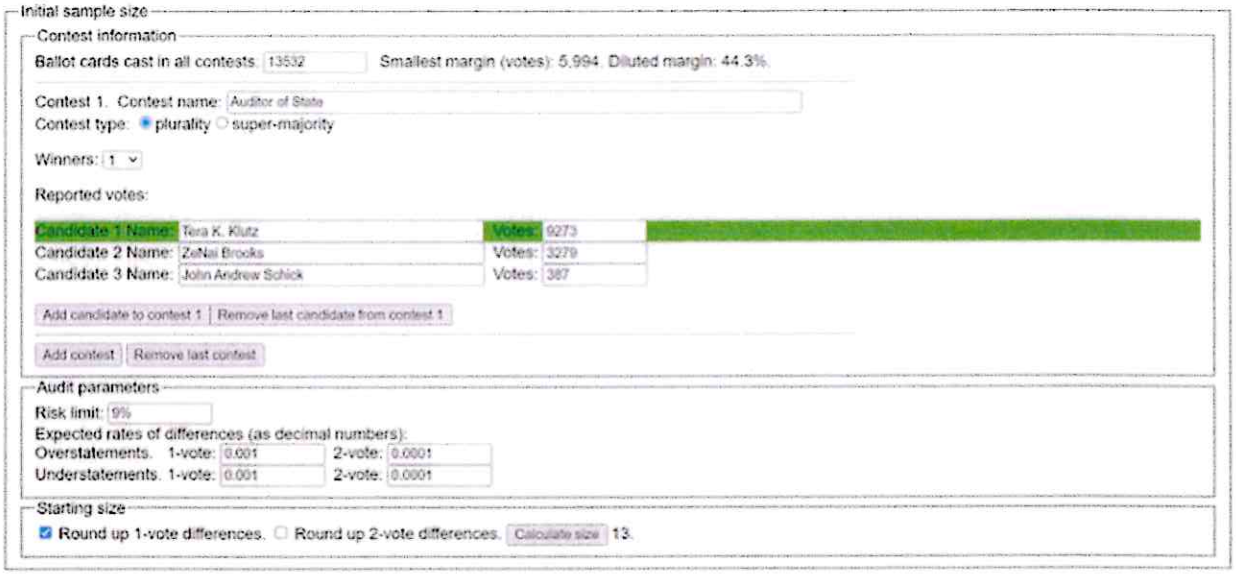
Dubois County Ballot Comparison Audit (ABS Walk-In & Election Day)			
Race/Question	**Outcome**		**Number of Ballots to be Audited***
Auditor of State	(R) Tera K. Klutz*	9273	13
	(D) ZeNai Brooks	3279	
	(L) John Andrew Schick	387	
	Undervotes	585	
	Total Ballots Cast	13532	
Judge of the Superior Court	(R) Anthony D. Quinn*	9255	15
	(D) John E. Birk	4023	
	Undervotes	246	
	Total Ballots Cast	13532	
County Commissioner District 2	(R) Serice Stenftenagel*	8267	23
	(D) Mary E. (Becky) Beckman	4921	
	Undervotes	336	
	Total Ballots Cast	13532	

Asterisk (*) denotes the winner of each contest

Auditor of State

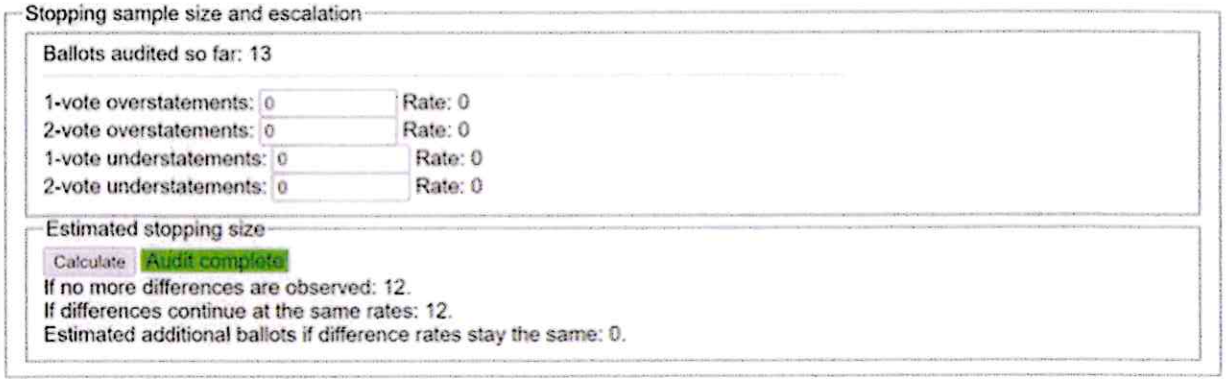
Sample Size:

With the selected risk limit of 9%, the initial sample size for this contest was 13.



Final Outcome:

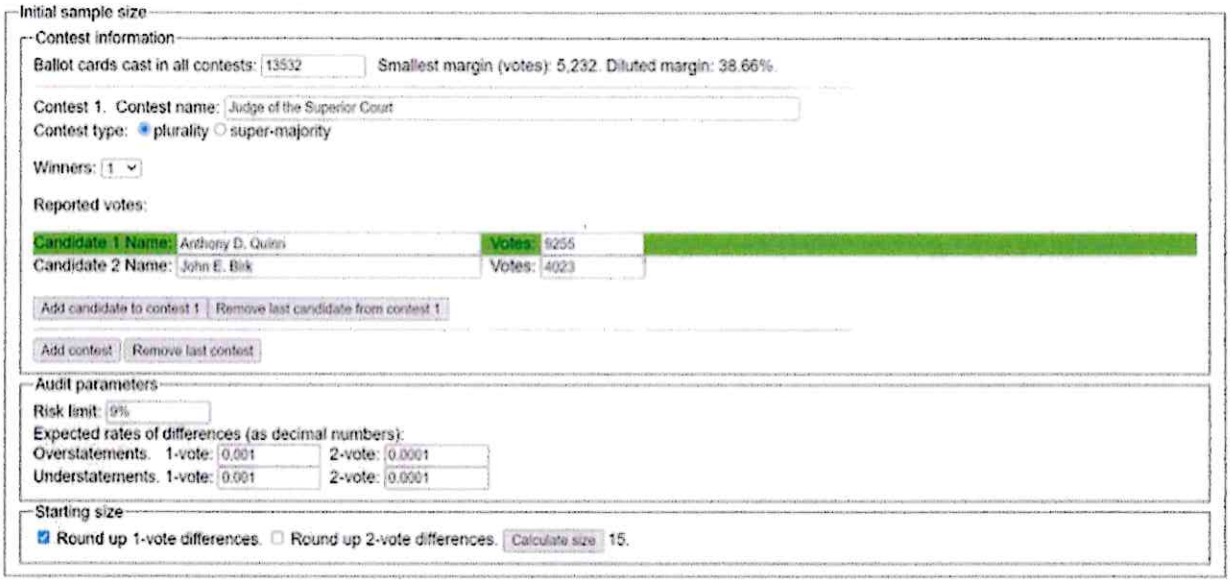
With the initial sample size of 13 ballots, the final outcome resulted in a 0% risk limit, which indicates 100% confidence that the audit confirmed the results of this contest. Further sampled ballots were not required for this audit.



Judge of the Superior Court

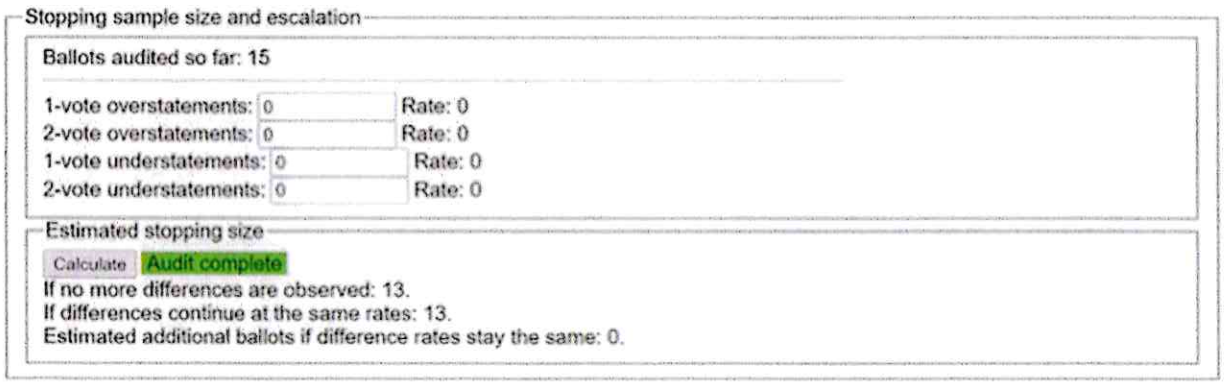
Sample Size:

With the selected risk limit of 9%, the initial sample size for this contest was 15.



Final Outcome:

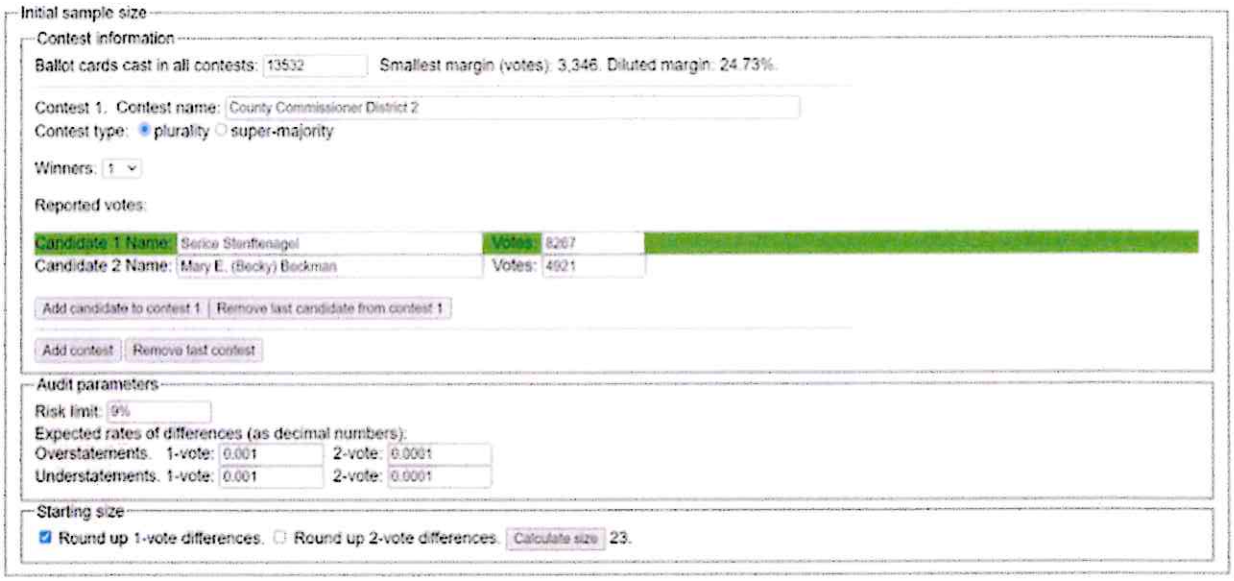
With the initial sample size of 15 ballots, the final outcome resulted in a 0% risk limit, which indicates 100% confidence that the audit confirmed the results of this contest. Further sampled ballots were not required for this audit.



County Commissioner District 2

Sample Size:

With the selected risk limit of 9%, the initial sample size for this contest was 23.



Final Outcome:

With the initial sample size of 23 ballots, the final outcome resulted in a 0% risk limit, which indicates 100% confidence that the audit confirmed the results of this contest. Further sampled ballots were not required for this audit.