



December 21, 2022

Debra Berry  
Wayne County Clerk  
3012 W Main St  
Richmond, IN 47374

Dear Clerk Berry,

On December 15, 2022, the VSTOP team successfully completed a post-election audit in Wayne County, Indiana, for the 2022 General Election. The VSTOP Team members who participated in person included Dr. Jay Bagga, VSTOP Co-Director; Dr. Chad Kinsella, VSTOP Co-Director; Liz Beatrice, VSTOP Program Manager; Rachael Alaniz, VSTOP Project Specialist; Duncan Klemm, VSTOP IT Specialist; and Alisa Grey, VSTOP Graduate Assistant. This activity was carried out by the VSTOP Team in collaboration with the Wayne County Team. The Wayne County Team members included Debra Berry, Wayne County Clerk of Courts; Tara Pegg, Director of Wayne County Voter Registration; Teresa Kirkman, Wayne County Deputy Clerk; Tina Johnson, Wayne County Deputy Clerk; Martha Jones, Wayne County Board of Elections Member; and Carol Smith, Elkhart County Chief Deputy of Elections.

The VSTOP Team would like to express its gratitude and appreciation to Clerk Berry, her team, and the Wayne 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 Berry 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: 94242854622193873208.

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. Wayne County uses the Hart InterCivic Verity 2.5 Optical Scan voting system. The post-election audit was carried out for the total of ballots cast during the Wayne County 2022 General Election.

In consultation with Wayne 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):

- State Senator District 27
- United States Representative District 6
- County Commissioner District 1

There were a total of 16,787 Election Day and Absentee Ballots. 188 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 66 ballots for State Senator District 27, 98 ballots for United States Representative District 6, and 24 ballots for County Commissioner District 1 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 her 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.

Handwritten signature of Jay Bagga in cursive.

Dr. Jay Bagga, VSTOP Co-Director

Handwritten signature of Chad Kinsella in cursive.

Dr. Chad Kinsella, VSTOP Co-Director



## Wayne County Post-Election Audit Procedure

**Election:** 2022 General Election

**Date(s) of Audit:** December 15, 2022

**Number of Registered Voters:** 43,288

**Total Number of Ballots Cast:** 16,787

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

**Seed Number:** 94242854622193873208

**Post-Election Audit Method:** Ballot Polling Risk-Limiting Audit

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

### Races Audited:

Race/Question	Outcome	Diluted Margin	Initial Sample of Ballots to be Audited	# Additional Ballots Required
State Senator District 27	Jeffrey S. Raatz*	10,776	58	8
	Ronald Itnyre	5,855		
United States Representative District 6	Greg Pence*	11,101	45	53
	Cynthia (Cinde) Wirth	5,493		
County Commissioner District 1	Brad Dwenger*	12,278	24	0
	Undervotes/Over votes	4,509		

Asterisk (\*) denotes the winner of each contest

## State Senate District 27<sup>1</sup>

### Initial Sample Size:

With the selected risk limit of 9%, the initial sample size for this contest was 58.

- Initial sample size

Contest information

Ballots cast in all contests:  Smallest margin (votes): 4,921. Diluted margin: 29.31%.

Contest 1. Contest name:

Winners:

Reported votes:

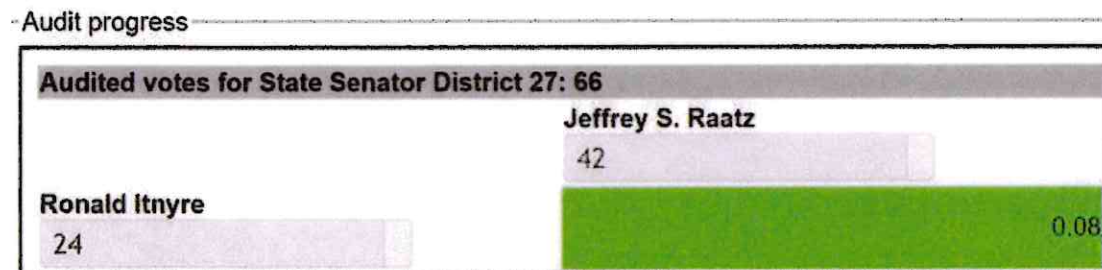
Candidate 1 Name:	<input type="text" value="Jeffrey S. Raatz"/>	Votes:	<input type="text" value="10776"/>
Candidate 2 Name:	<input type="text" value="Ronald Itnyre"/>	Votes:	<input type="text" value="5855"/>

Audit parameters

Risk limit:  Expected sample size: 58.

### Final Outcome:

With the initial sample size of 58 ballots, the risk limit of 9% was not met. The auditing team sampled an additional 8 ballots which yielded a risk limit of 8%, indicating 92% confidence that the audit confirmed the results of this contest.



<sup>1</sup> State Senate District 27 was an uncontested race.



## United States Representative District 6

### Sample Size:

With the selected risk limit of 9%, the initial sample size for this contest was 45.

#### Initial sample size

Contest information	
Ballots cast in all contests: 16787	Smallest margin (votes): 5,608. Diluted margin: 33.41%.
Contest 1. Contest name: United States Representative District 6	
Winners: 1	
Reported votes:	
Candidate 1 Name: Greg Pence	Votes: 11101
Candidate 2 Name: Cynthia (Cinde) Wirth	Votes: 5493
<input type="button" value="Add candidate to contest 1"/> <input type="button" value="Remove last candidate from contest 1"/>	
<input type="button" value="Add contest"/> <input type="button" value="Remove last contest"/>	
Audit parameters	
Risk limit: 9%	Expected sample size: 45.

### Final Outcome:

With the initial sample size of 45 ballots, the risk limit of 9% was not met. The auditing team sampled an additional 53 ballots, yielding a 2% risk limit, indicating 98% confidence that the audit confirmed the results of the contest.

#### Audit progress

<b>Audited votes for United States Representative District 6: 98</b>		
	Greg Pence	63
Cynthia (Cinde) Wirth	35	0.02

# County Commissioner District 1

## Sample Size:

With the selected risk limit of 9%, the initial sample size for this contest was 24.

Initial sample size

Contest information

Ballots cast in all contests: 16787      Smallest margin (votes): 7,769. Diluted margin: 46.28%.

Contest 1. Contest name:  
County Commissioner District 1

Winners: 1

Reported votes:

Candidate 1 Name:	Brad Dwenger	Votes:	12278
Candidate 2 Name:	Undervotes/Overvotes	Votes:	4509

Audit parameters

Risk limit: 9%      Expected sample size: 24.

## Final Outcome:

With the initial sample size of 24 ballots, the final outcome resulted in a 4% risk limit, which indicates 96% confidence that the audit confirmed the results of this contest. Further sampled ballots were not required for this audit.

