What do local election officials need to carry out a Risk Limiting Audit?

Kammi Foote, Inyo County Clerk/Recorder & Registrar of voters
Inyo County, California

- **10,227** square miles
- **10,000** Registered Voters
- **Ninth** largest county in the Nation
- **Mt. Whitney** - highest point in the Continental US
- **Bad Water** - lowest point in Northern America
- **Five** Native American Reservations
- **Two** full-time equivalent election staffing positions
Inyo County’s RLA

- April 10, 2018 Special Parcel Tax Election
- Single question contest “Yes” and “No”
- All mailed ballot election
- 10 voting precincts
- 2/3 threshold to pass
Getting Organized

• Logs, logs, logs
• Storage containers and labels
• Rubber bands
• Sticky notes
• Dice
Ballot Manifest

The Seed

1989860534
10% risk limit

Dr. Philip Stark developed the tool to create the computation:
https://www.stat.berkeley.edu/~stark/Vote/auditTools.htm

The math behind the sample size calculation can be viewed online
Random Selection

• 1, 47, 101-1, 47
• 2, 65, 101-1, 65
• 3, 65, 101-1, 65
• 4, 70, 101-1, 70
• 5, 73, 101-1, 73
• 6, 80, 101-1, 80
• 7, 85, 101-1, 85
<table>
<thead>
<tr>
<th>Batch</th>
<th>Ballot</th>
<th>Precinct</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4</td>
<td>3-1-4 Mail Precinct 110MB</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
<td>3-1-5 Mail Precinct 110MB</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>3-1-6 Mail Precinct 110MB</td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>3-1-7 Mail Precinct 110MB</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>3-1-8 Mail Precinct 110MB</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>3-1-9 Mail Precinct 110MB</td>
</tr>
</tbody>
</table>
Conclusion

- Technology is your friend
- If Inyo County can do this, any county can!
- Cost effective
- You are not alone
Contact

Kammi Foote
Inyo County Registrar of Voters
kfoote@inyocounty.us
760-878-0224