

How Crowd-Sourced Data Changed Everything for the School Attendance Boundary Survey

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School Attendance Boundary Survey



- Collection goals
- Why school boundaries?
- How were the boundaries collected?

SABS Survey Details

- OMB clearance
- Survey team members
- Collection duration



- Project Management
 - Planning
 - OMB Clearance
 - Monitoring



- Scheduling
- Data collection
- Help Desk



- Technical support
- Database design & system management
- Data QA/QC
- Geodatabase finalization

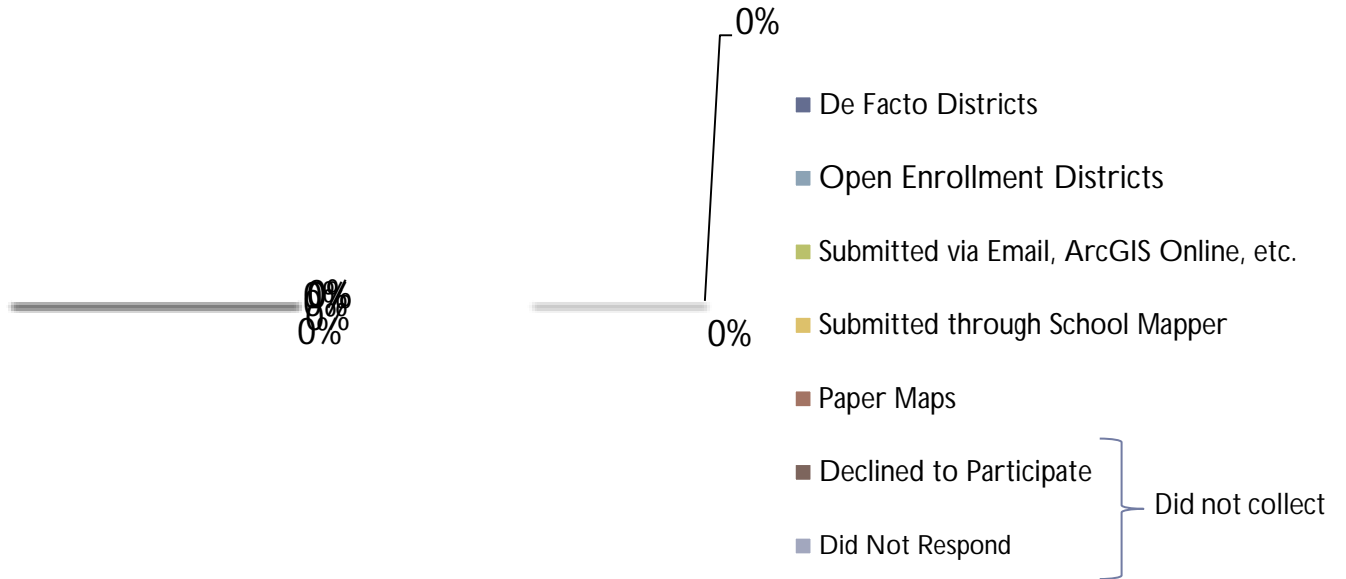


Survey Preparation

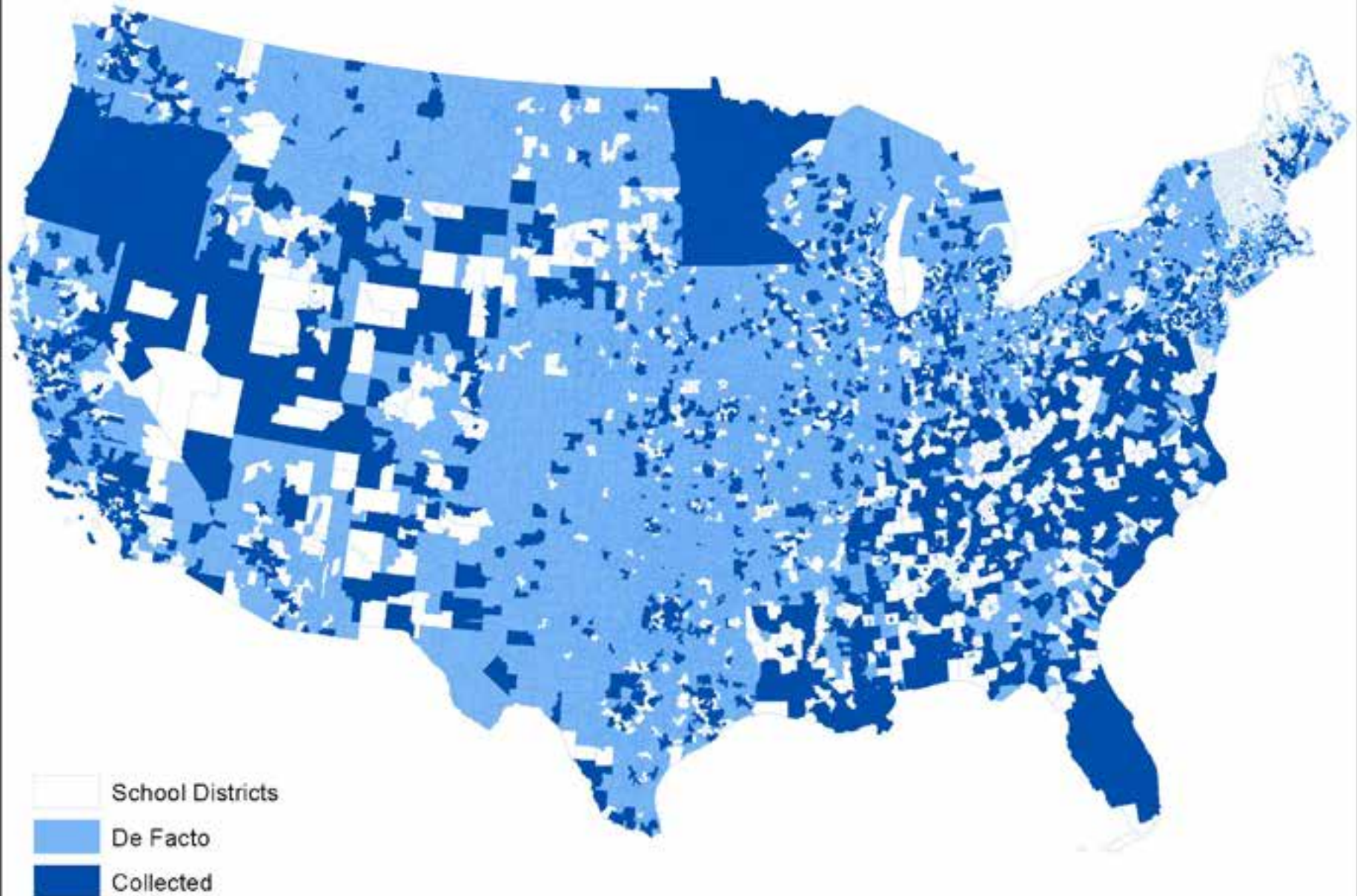
- } Usability testing is extremely important
- } Call Center staff training
- } Develop solid processing and QA/QC tools upfront
 - They will save you time, money, and produce better data in the long run



Collection Stats



Collected & De Facto School Districts



De Facto District Definition: Each grade is served by only one school.

Esri Components

- § ArcSDE 10.1 and 10.2 Geodatabase
 - § Centralized SQL Server database
 - § Data replication to SQL Server Express
- § ArcGIS Server 10.1 and Javascript API
 - § Data visualization
 - § Feature Editing
 - § Data dissemination
- § Python (Arcpy)
 - § Data QA/QC processing



Transition to Cloud Hosting



2008

- NCES Data Center (on-premises)

2012

- FGDC GeoCloud AWS Account

2013

- Hybrid Cloud/On Premises Hosting with NCES Data Center

2014

- AWS GovCloud

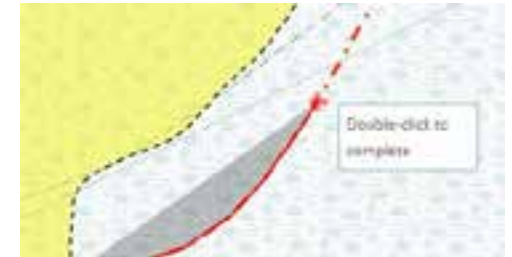
School Mapper Demo

User Technical Support

} FAQs, instructions, screenshots, canned email responses, help request form → Use them all!

} Supported browser versions:

- } Internet Explorer 9 and higher
- } Firefox 17 and higher
- } Chrome 23 and higher
- } Safari 5 and higher



} Screen sharing, screenshots not always possible

} Be prepared to accept all media types

Browsers Used By Schools

} Breakdown of browser versions used:

45%



29%



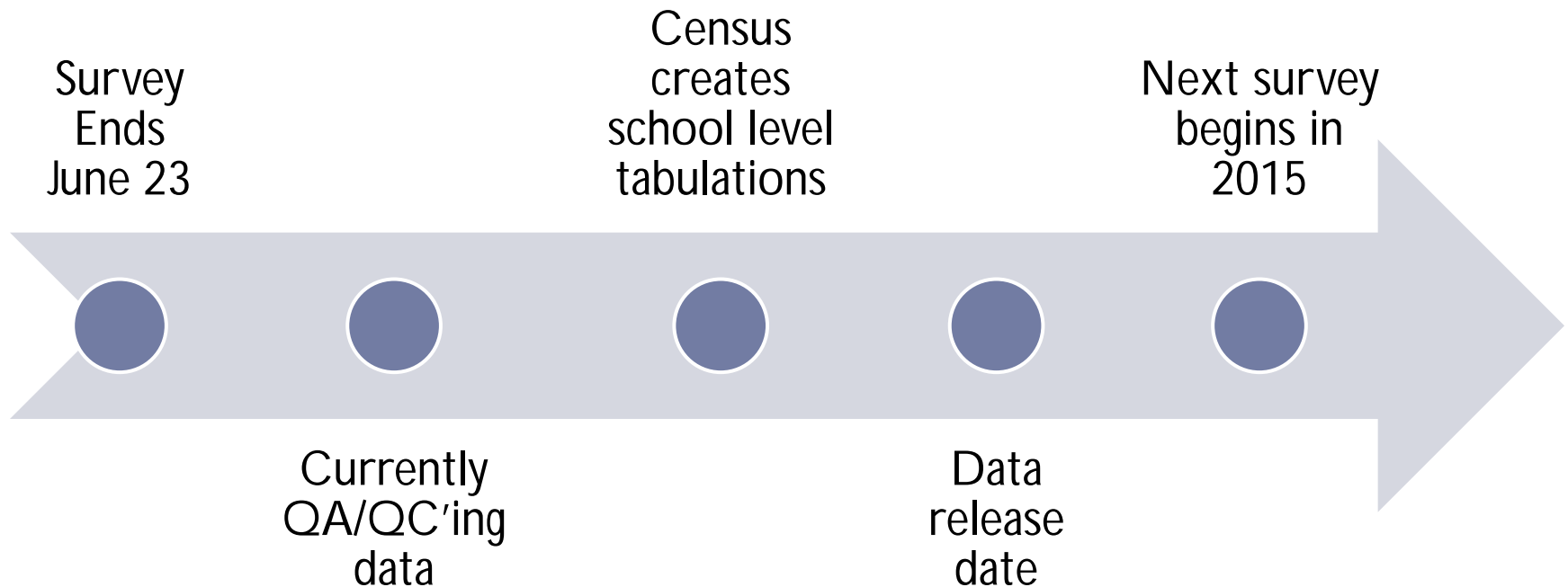
23%



3%



Next Steps



<http://nces.ed.gov/surveys/sdds/>

For More Information



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