

2008 NC Geospatial Data Archiving Project

Frequency of Capture of Geospatial Data

We are seeking feedback and advice on your experience with creating snapshots of geospatial data for your archives -- versions of vector/raster data and associated attributes for your permanent records collections.

Please take 10-15 minutes to answer up to 34 questions.

This research project, including a summary of all the responses, aims to address digital preservation in a partnership with the Library of Congress and other supportive collaborators. This survey is a follow-up to a similar study conducted in 2006.

For more information on how North Carolina is working on issues concerning digital geospatial information preservation, see <http://www.lib.ncsu.edu/ncgdap/partners.html>

PLEASE NOTE: This survey is NOT intended to address or include information about routine BACKUPS that overwrite data for purposes such as disaster recovery. We are interested in finding out about data being retained for historical or archival purposes.

BACKUPS periodically (nightly/ weekly) capture active datasets and are intended to provide a means to restore changing records that have been deleted or destroyed. The purpose of a back-up is to manage short term risk and address disaster recovery. Typically these snapshots are only retained for a few days or weeks before being overwritten by newer snapshots.

ARCHIVING data on the other hand involves the long term collection and maintenance of data snapshots retained permanently that can be utilized to help manage long term risk (i.e. regulatory/ legal requirements) while allowing ongoing access to authentic historical data for the purposes of analysis or cultural preservation.

Contact Info

* 1. Please fill out your contact info to help us keep track of respondents

Name:	<input type="text"/>
Organization:	<input type="text"/>
Address:	<input type="text"/>
Address 2:	<input type="text"/>
City/ Town:	<input type="text"/>
State:	<input type="text"/>
ZIP/ Postal Code:	<input type="text"/>
Email Address:	<input type="text"/>
Phone Number:	<input type="text"/>

Capturing Snapshots of Geospatial Data

Please answer all questions only as they relate to data snapshots created for long-term retention, exclusive of regular backups.

* 2. Do you create and retain periodic snapshots of any VECTOR datasets/ layers for long term retention/ archival purposes?

☐ Yes

☐ No

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Cadastral Data Questions

- * **3. How often do you make snapshots of PARCEL geometry for long term retention/ archival purposes? (choose frequency closest to your practice)**

☐ Annually

☐ Monthly

☐ Every 6 Months

☐ Weekly or Daily

☐ Quarterly

☐ Not Saved

Cadastral Continued

- * **4. In what formats do you save PARCEL geometry snapshots when archiving them? (check all that apply)**

☐ Shapefile

☐ Arc Interchange (e00)

☐ Other

☐ Geodatabase

☐ ASCII (i.e .txt)

☐ Not Sure

☐ Arc Coverage

☐ XML

- * **5. Is the archived PARCEL geometry stored in the same data format used for maintenance and analysis?**

☐ Yes

☐ No

☐ Not Sure

- * **6. Are PARCEL attributes (such as tax record information) saved with the PARCEL geometry data?**

☐ Yes, as attached attributes

☐ No

☐ Yes, in a separate table

☐ Not Sure

Street Centerline Questions

- * **7. How often do you make snapshots of STREET CENTERLINE geometry for long term retention/ archival purposes? (choose frequency closest to your practice)**

☐ Annually

☐ Monthly

☐ Every 6 Months

☐ Weekly or Daily

☐ Quarterly

☐ Not Saved

Street Centerline Continued

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* **8. In what formats do you save STREET CENTERLINE geometry snapshots when archiving them? (check all that apply)**

- | | | |
|---------------------------------------|--|-----------------------------------|
| <input type="checkbox"/> Shapefile | <input type="checkbox"/> Arc Interchange (e00) | <input type="checkbox"/> Other |
| <input type="checkbox"/> Geodatabase | <input type="checkbox"/> ASCII (i.e .txt) | <input type="checkbox"/> Not Sure |
| <input type="checkbox"/> Arc Coverage | <input type="checkbox"/> XML | |

* **9. Is the archived STREET CENTERLINE geometry stored in the same data format used for maintenance and analysis?**

- ☐ Yes
- ☐ No
- ☐ Not Sure

* **10. Are STREET attributes (i.e. street name) saved with the STREET CENTERLINE geometry?**

- | | |
|---|--------------------------------|
| <input type="radio"/> Yes, as attached attributes | <input type="radio"/> No |
| <input type="radio"/> Yes, in a separate table | <input type="radio"/> Not Sure |

Jurisdictional Boundary Data Questions

* **11. For which of the following JURISDICTIONAL BOUNDARY datasets do you create snapshots for long term retention/ archival purposes? (check all that apply)**

- | | |
|---|---|
| <input type="checkbox"/> County Boundaries | <input type="checkbox"/> Extraterritorial Jurisdictions |
| <input type="checkbox"/> Municipal Boundaries | <input type="checkbox"/> None |

Jurisdictional Boundaries Continued

* **12. How often do you make snapshots of JURISDICTIONAL BOUNDARY geometry for archival purposes? (choose frequency closest to your practice)**

- | | |
|---|---------------------------------------|
| <input type="radio"/> Any time an official boundary change occurs | <input type="radio"/> Monthly |
| <input type="radio"/> Annually | <input type="radio"/> Weekly or Daily |
| <input type="radio"/> Every 6 Months | <input type="radio"/> Not Sure |
| <input type="radio"/> Quarterly | |

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*** 13. In what formats do you save JURISDICTIONAL BOUNDARY geometry snapshots when archiving them? (check all that apply)**

- | | | |
|---------------------------------------|--|-----------------------------------|
| <input type="checkbox"/> Shapefile | <input type="checkbox"/> Arc Interchange (e00) | <input type="checkbox"/> Other |
| <input type="checkbox"/> Geodatabase | <input type="checkbox"/> ASCII (i.e .txt) | <input type="checkbox"/> Not Sure |
| <input type="checkbox"/> Arc Coverage | <input type="checkbox"/> XML | |

*** 14. Is the archived JURISDICTIONAL BOUNDARY geometry stored in the same data format used for maintenance and analysis?**

- ☐ Yes
- ☐ No
- ☐ Not Sure

Zoning Data Questions

*** 15. How often do you make snapshots of ZONING geometry for long term retention/archival purposes? (choose frequency closest to your practice)**

- | | |
|---|--|
| <input type="checkbox"/> Annually | <input type="checkbox"/> Weekly or Daily |
| <input type="checkbox"/> Every 6 Months | <input type="checkbox"/> Any time a zoning change occurs |
| <input type="checkbox"/> Quarterly | <input type="checkbox"/> Not Saved |
| <input type="checkbox"/> Monthly | |

Zoning Continued

*** 16. In what formats do you save ZONING geometry snapshots when archiving them? (check all that apply)**

- | | | |
|---------------------------------------|--|-----------------------------------|
| <input type="checkbox"/> Shapefile | <input type="checkbox"/> Arc Interchange (e00) | <input type="checkbox"/> Other |
| <input type="checkbox"/> Geodatabase | <input type="checkbox"/> ASCII (i.e .txt) | <input type="checkbox"/> Not Sure |
| <input type="checkbox"/> Arc Coverage | <input type="checkbox"/> XML | |

*** 17. Is the archived ZONING geometry stored in the same data format used for maintenance and analysis?**

- ☐ Yes
- ☐ No
- ☐ Not Sure

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* 18. Are ZONING attributes saved with ZONING geometry?

☐ Yes, as attached attributes

☐ No

☐ Yes, in a separate table

☐ Not Sure

Other Vector Layers/ Archive Timeframe

* 19. How often do you capture these additional VECTOR layers for your archives or long term retention? (check Not Applicable if you don't archive this layer)

	Monthly	Quarterly	Annually	Not Applicable
Address Points	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Airports & Airfields	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Election/ Voting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Elevation (Spot points, Contours)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emergency/911 (police/ fire stations/precincts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geodetic Control Points/ Networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hydrography/ Watershed boundaries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Land Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Railroad Lines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Schools (districts, locations, etc)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities (water/ sewer lines, etc)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other Vector Layers?(please specify)

* 20. How far back do your archive of vector data snapshots go?

☐ More than 5 years

☐ 1-2 years

☐ 3-5 years

☐ Less than 1 year

Raster/ Ortho/ Historical Maps

* 21. Which RASTER datasets do you archive? (check all that apply)

☐ Digital Orthophotos

☐ Satellite imagery

☐ Elevation (i.e. DEM)

☐ We don't archive raster data

☐ Land Cover

Other Raster layers? (please specify)

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*** 22. How are historic/ superseded digital ORTHOPHOTOS being stored? (check all that apply)**

- | | |
|--|---|
| <input type="checkbox"/> Tape | <input type="checkbox"/> Server or Online Storage |
| <input type="checkbox"/> CD | <input type="checkbox"/> Other |
| <input type="checkbox"/> DVD | <input type="checkbox"/> Not Stored |
| <input type="checkbox"/> External Hard Drive | |

*** 23. For what time period does your locality retain historic/ superseded DIGITAL ORTHOPHOTOS?**

- | | |
|------------------------------------|--|
| <input type="checkbox"/> 10+ years | <input type="checkbox"/> We just retain the last previous (superseded) copy and current orthos |
| <input type="checkbox"/> 5-9 Years | |
| <input type="checkbox"/> 2-4 Years | <input type="checkbox"/> We don't retain historic Orthophotos |

*** 24. Have you created digital versions of any of the following?**

- | | |
|--|---|
| <input type="checkbox"/> Historic hardcopy maps, scanned only | <input type="checkbox"/> Aerial photos, scanned and georeferenced |
| <input type="checkbox"/> Historic hardcopy maps, scanned and georeferenced | <input type="checkbox"/> None |
| <input type="checkbox"/> Aerial photos, scanned only | |

If YES, Please list any historic maps that have been digitized/ vectorized for analytical purposes.

Metadata/ Data Storage

*** 25. What METADATA types are saved with the snapshot data?**

- | | |
|---|-----------------------------------|
| <input type="checkbox"/> FGDC format | <input type="checkbox"/> None |
| <input type="checkbox"/> Locally defined metadata | <input type="checkbox"/> Not Sure |
| <input type="checkbox"/> NC OneMap metadata starter block | |

*** 26. Are updates made to the metadata record once the dataset is formally archived (to reflect the data's new status as "archived" and/ or describe any processing that may have taken place)? (choose one)**

- ☐ YES
- ☐ NO
- ☐ N/A (Not Sure)

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* **27. In what STORAGE environment are the archived (non-Ortho) snapshot data saved? (check all that apply)**

- | | | |
|-------------------------------|---|------------------------------|
| <input type="checkbox"/> Tape | <input type="checkbox"/> External Hard Drive | <input type="checkbox"/> N/A |
| <input type="checkbox"/> CD | <input type="checkbox"/> Server or Online Storage | |
| <input type="checkbox"/> DVD | <input type="checkbox"/> Other | |

* **28. Is data COMPRESSED prior to saving for archives?**

- ☐ YES
- ☐ NO
- ☐ N/A (Not Sure)

If YES, what tool/technique used (i.e, WinZip, RAR, etc)

* **29. Where physically, are the archive data stored?**

- | | |
|----------------------------------|--|
| <input type="checkbox"/> Onsite | <input type="checkbox"/> Both Onsite and Offsite |
| <input type="checkbox"/> Offsite | <input type="checkbox"/> N/A (Not Sure) |

Current Practices -- Use and Access

Uses of historic data and public access.

* **30. What local business RULES and/ or USES drive the long-term retention of geospatial data in your jurisdiction? (check all that apply)**

- | | | |
|--|--|--|
| <input type="checkbox"/> Information technology policy | <input type="checkbox"/> Legal or statutory purposes | <input type="checkbox"/> Cultural preservation |
| <input type="checkbox"/> Records retention policy | <input type="checkbox"/> Change analysis (landuse/land cover, population, etc) | <input type="checkbox"/> Other |
| <input type="checkbox"/> Tax administration rules | <input type="checkbox"/> Historic mapping | <input type="checkbox"/> N/A |

* **31. How would you best describe ACCESS to your data once it has been archived?**

- | | |
|---|--|
| <input type="checkbox"/> Online/ open public access | <input type="checkbox"/> Media not easily accessible (vault) |
| <input type="checkbox"/> Online/ restricted access | <input type="checkbox"/> N/A (Not Sure) |
| <input type="checkbox"/> Offline/ By request only | |

If multiple, please explain (i.e Orthos: online/ public, Parcel: by request)

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32. How are archived data being used in your county/ municipality?

The Last Page

Thank you for completing this survey.

When you hit "DONE" you will see results to date in a separate window.

As always, your help is much appreciated.

For more information on how North Carolina is working on issues concerning digital geospatial information preservation, see <http://www.lib.ncsu.edu/ncgdap/partners.html>

33. Please add any additional comments, clarifications or questions:

34. Would you like to participate in FORUMS concerning preservation of local geospatial data?

☐ Yes

☐ Not sure

☐ No