

FHWA'S Cold In-Place Recycling

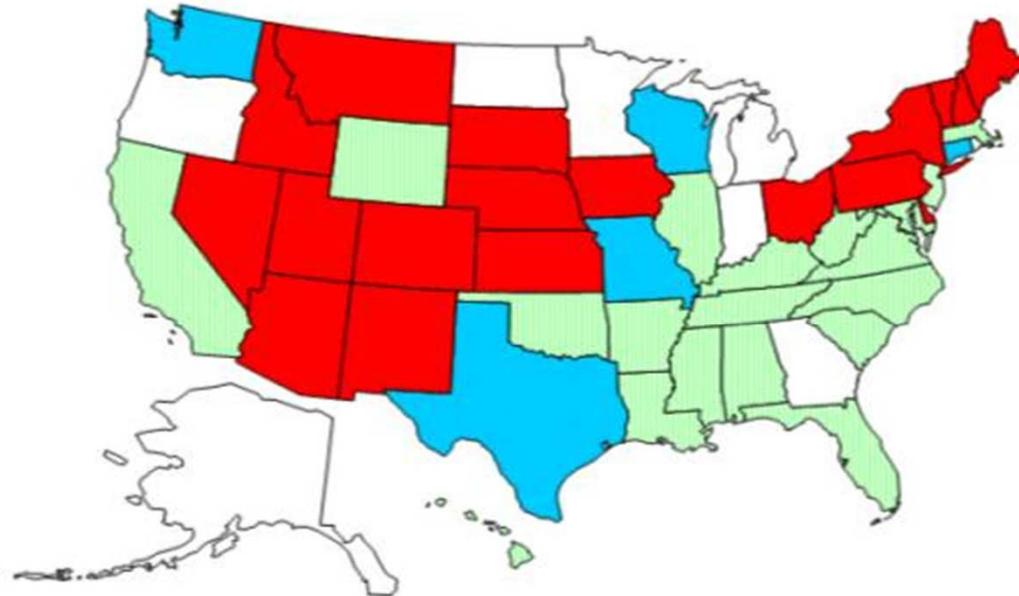
State of Practice – 2004

Updates on use 2009 & 2011

Cold In-place Recycling (CIR)

States Use of CIR

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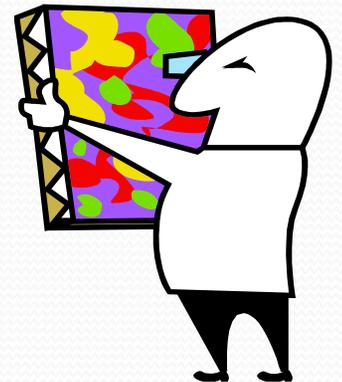


- Red - Use 4+ projects
- Blue - Low use - limited
- Green - No Use
- White - no response

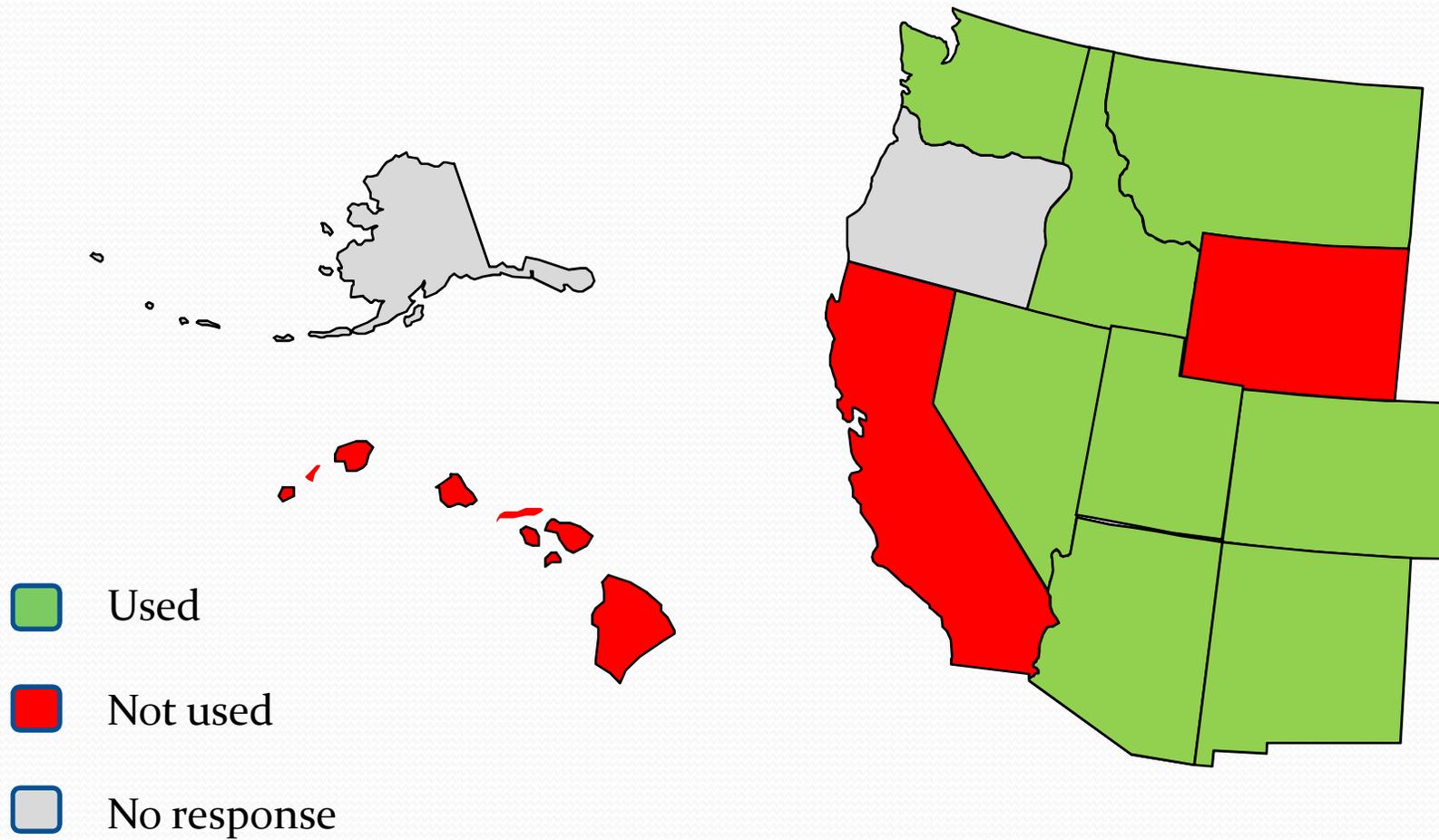
<http://www.fhwa.dot.gov/pavement/recycling/currentproj.cfm>

2004 Survey Purpose and Goals

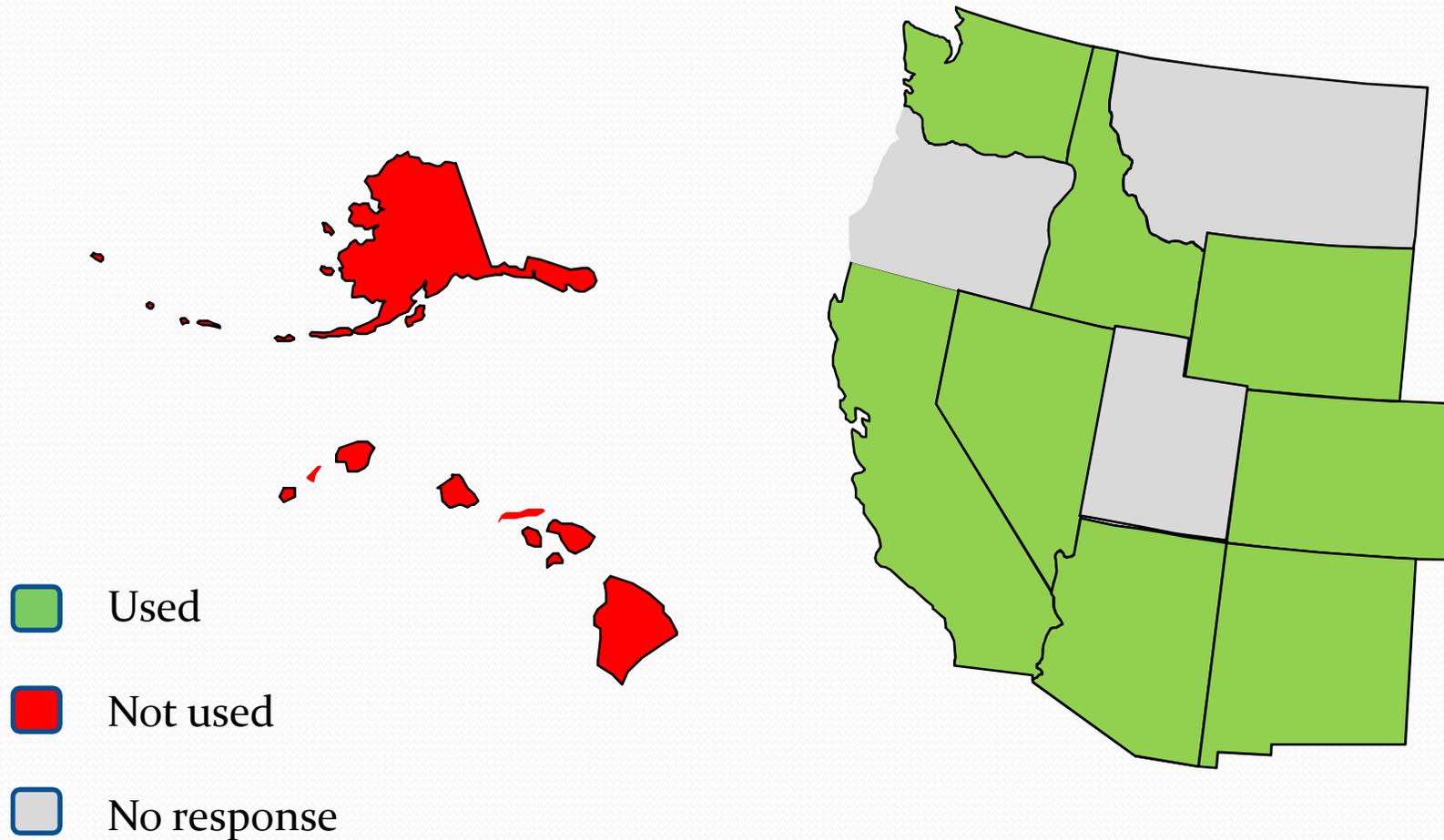
- Survey to learn extent of use
- Capture Best Practices
- Gathered details – what is needed to increase use?
 - Guidance for design and material testing – not standard
 - Performance of technology over time - LCA
 - Construction Inspection QA – needing improvement
 - Knowledge/experience
- Help our agency focus resources in future.
 - Conferences
 - Training



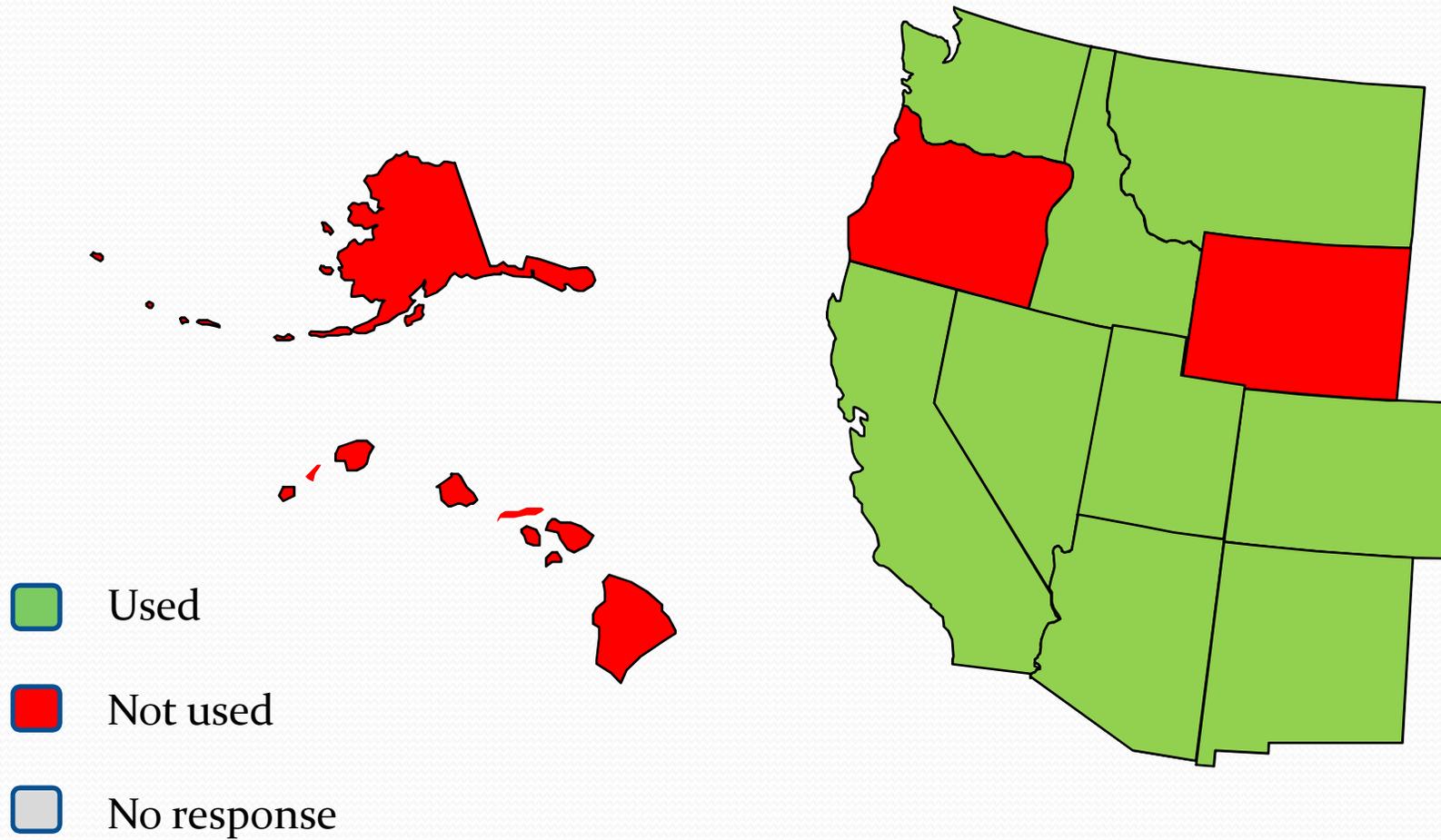
Western Region - 2004



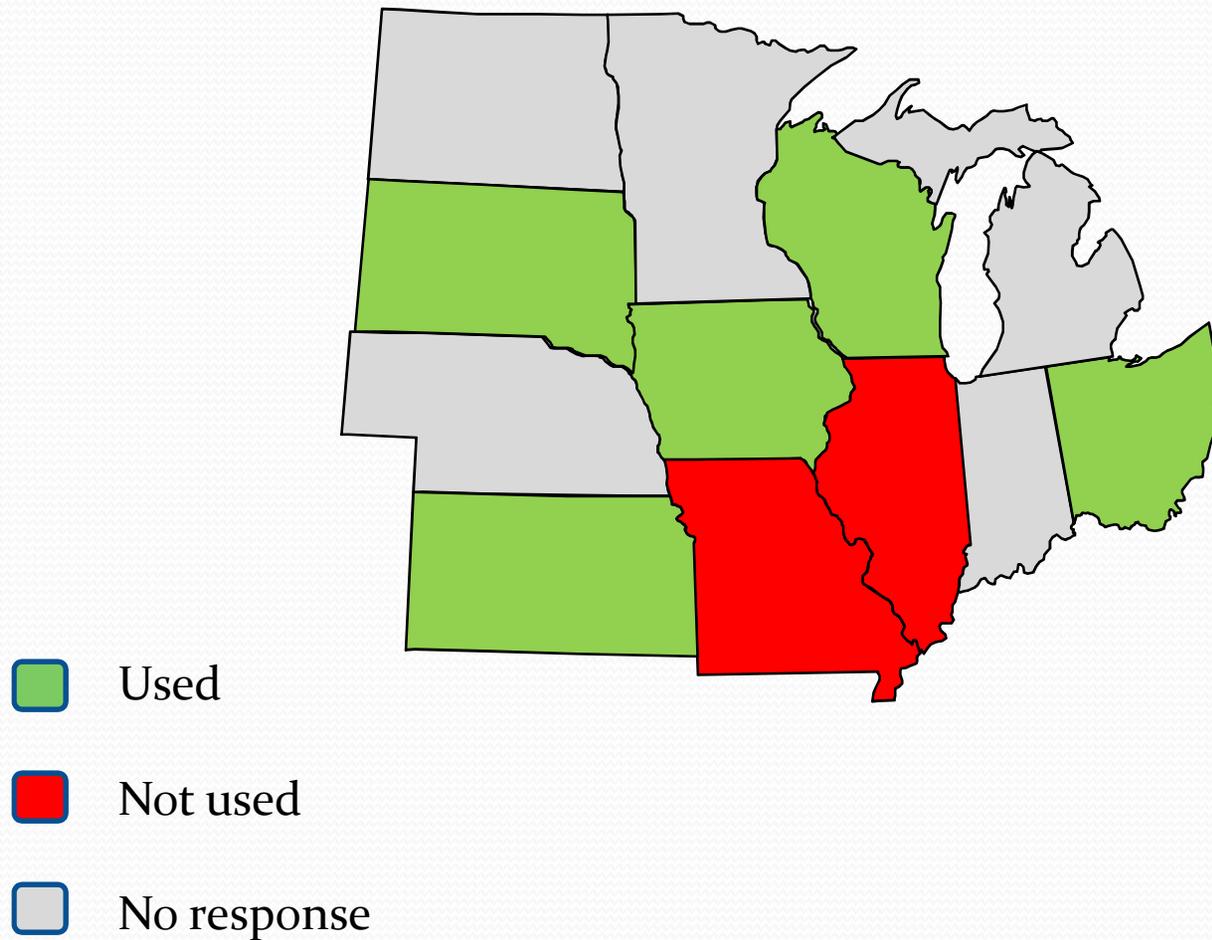
Western Region - 2009



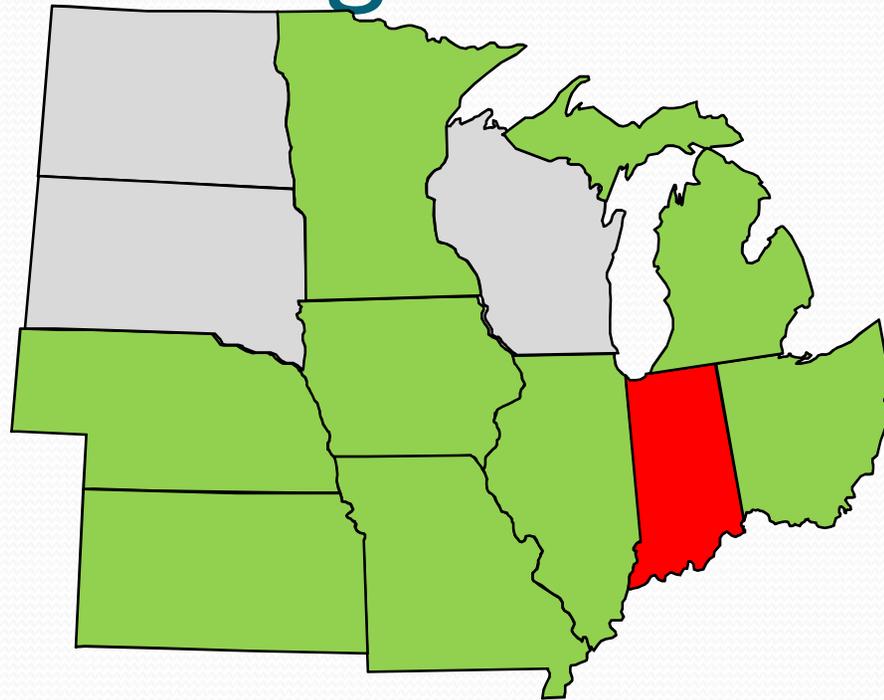
Western Region - 2011



Mid-West Region -2004



Mid-West Region -2009

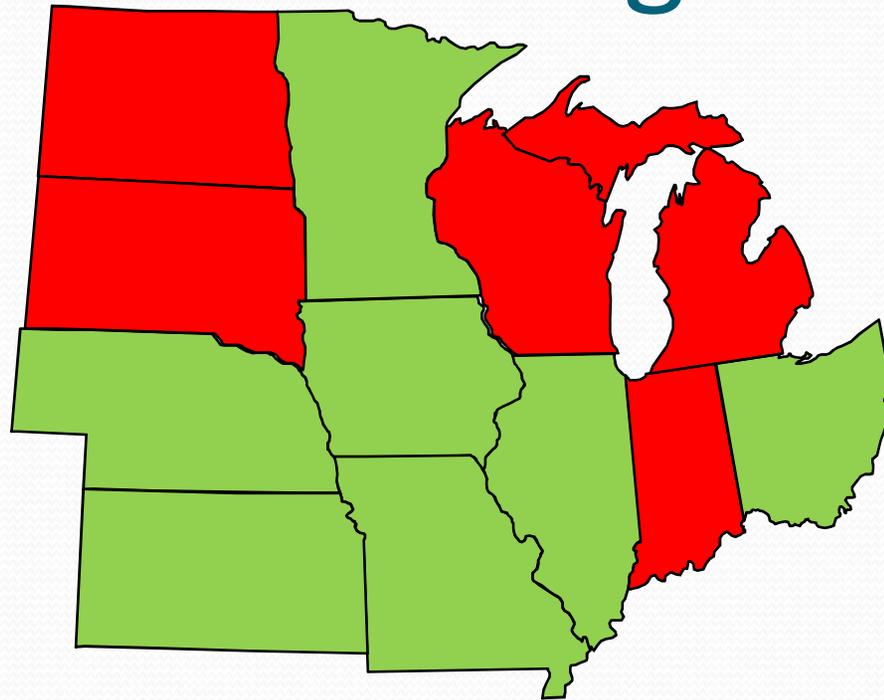


 Used

 Not used

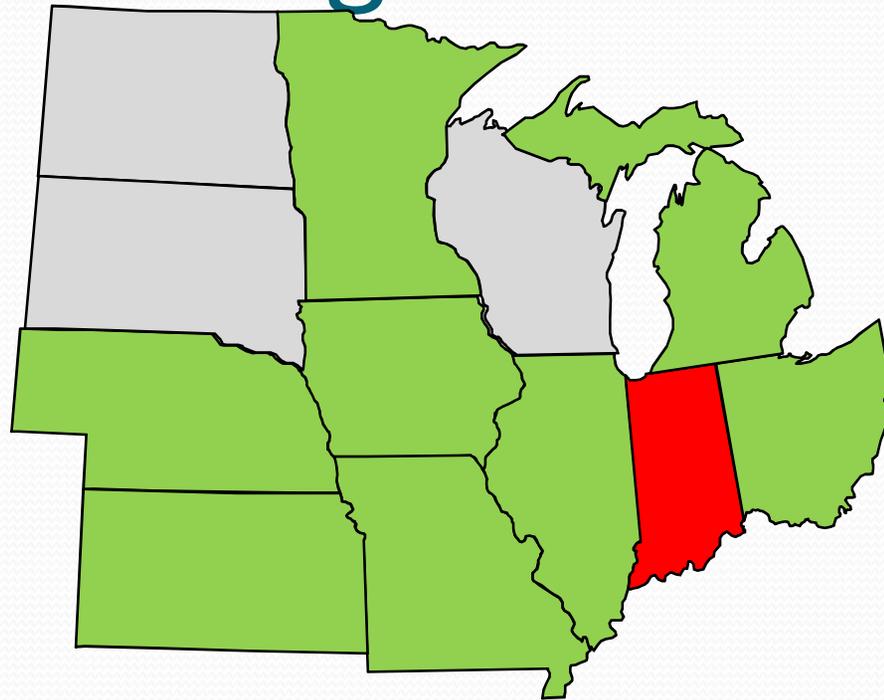
 No response

Mid-West Region -2011



- Used
- Not used
- No response

Mid-West Region -2009

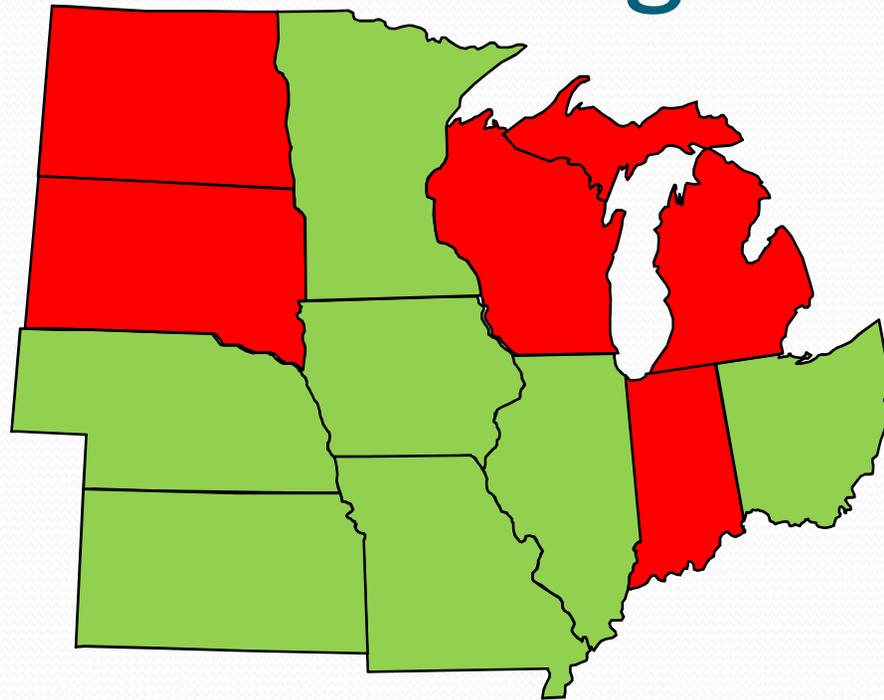


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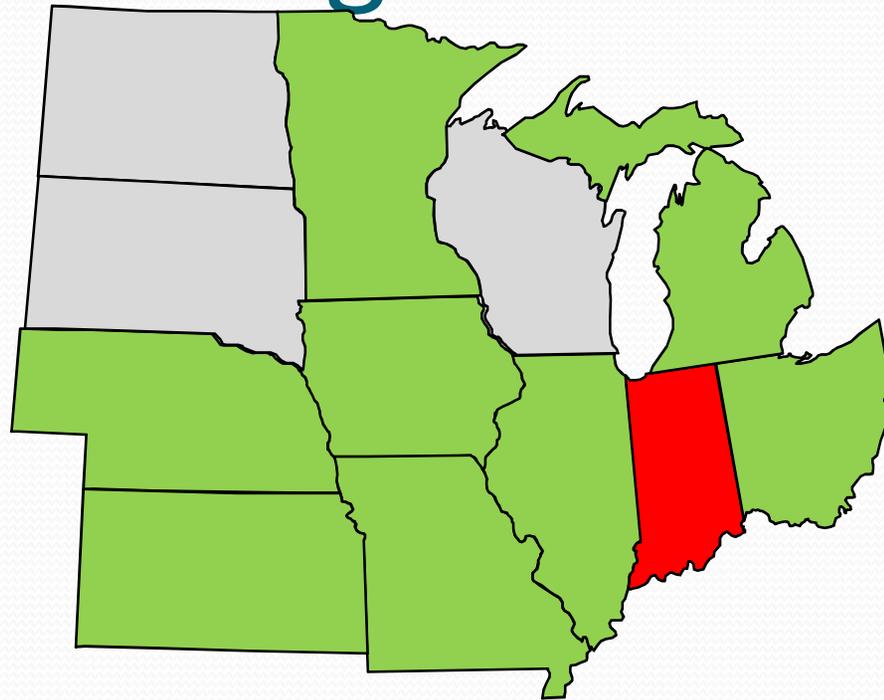
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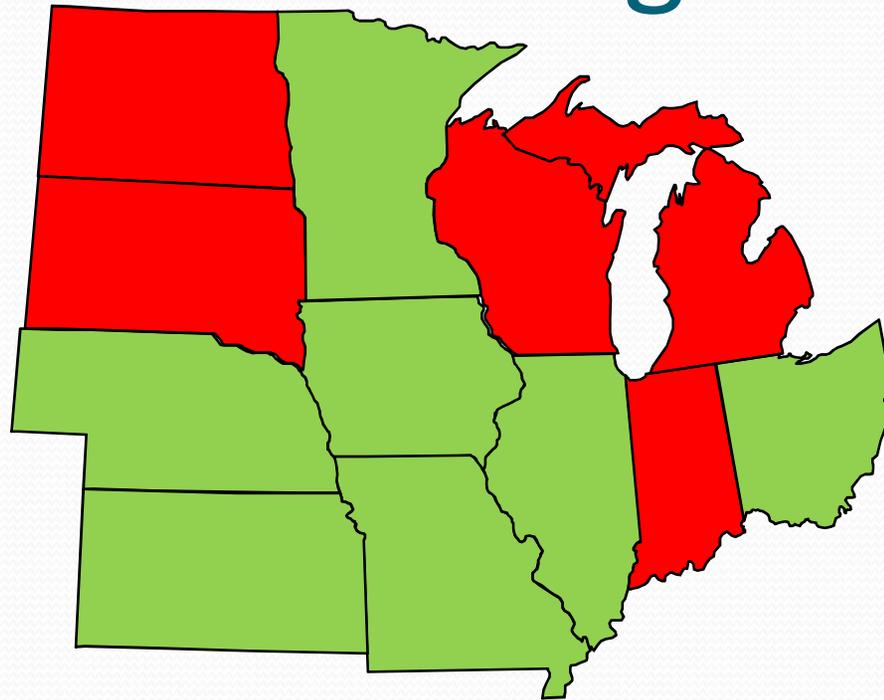


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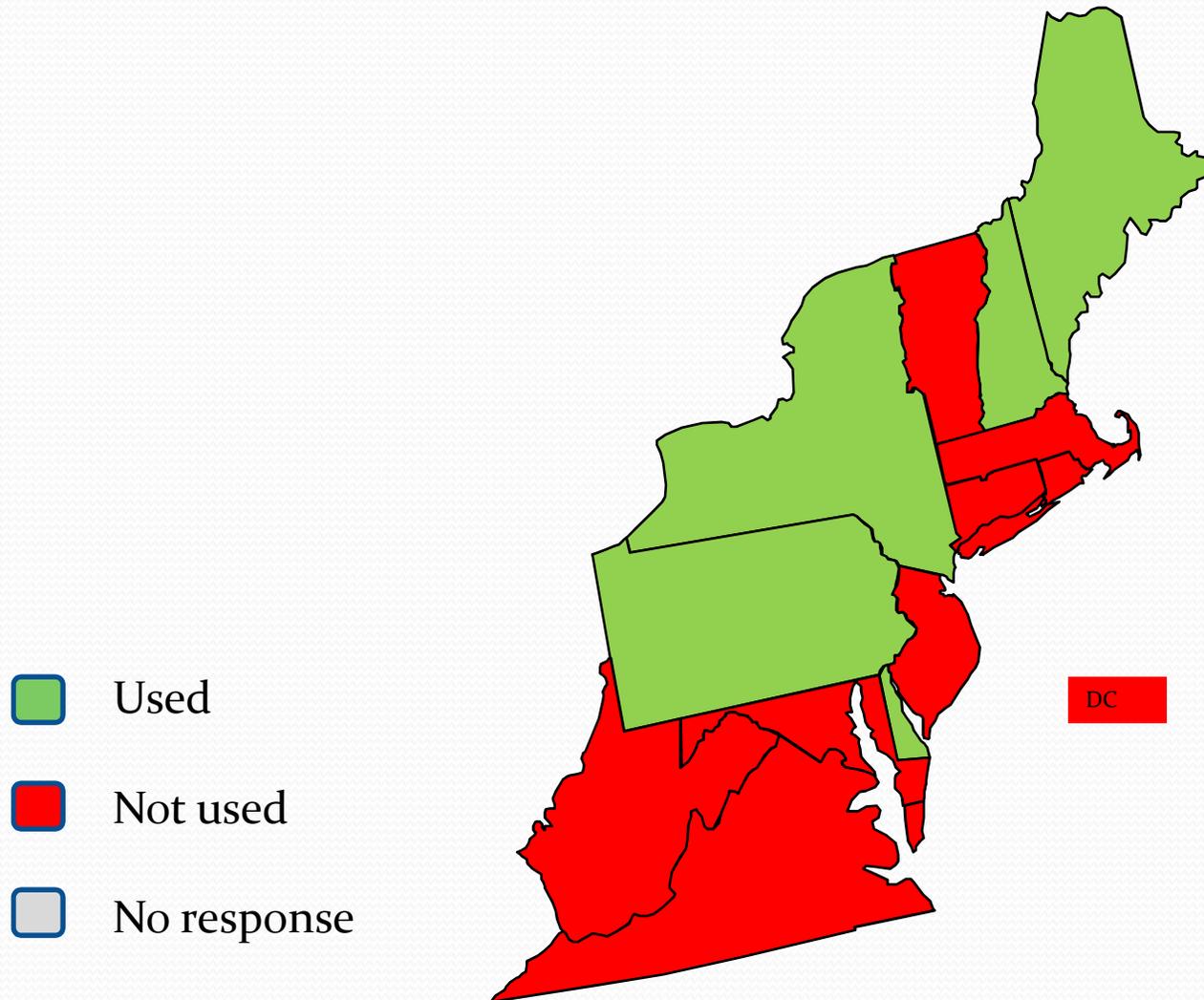
 No response

Mid-West Region -2011

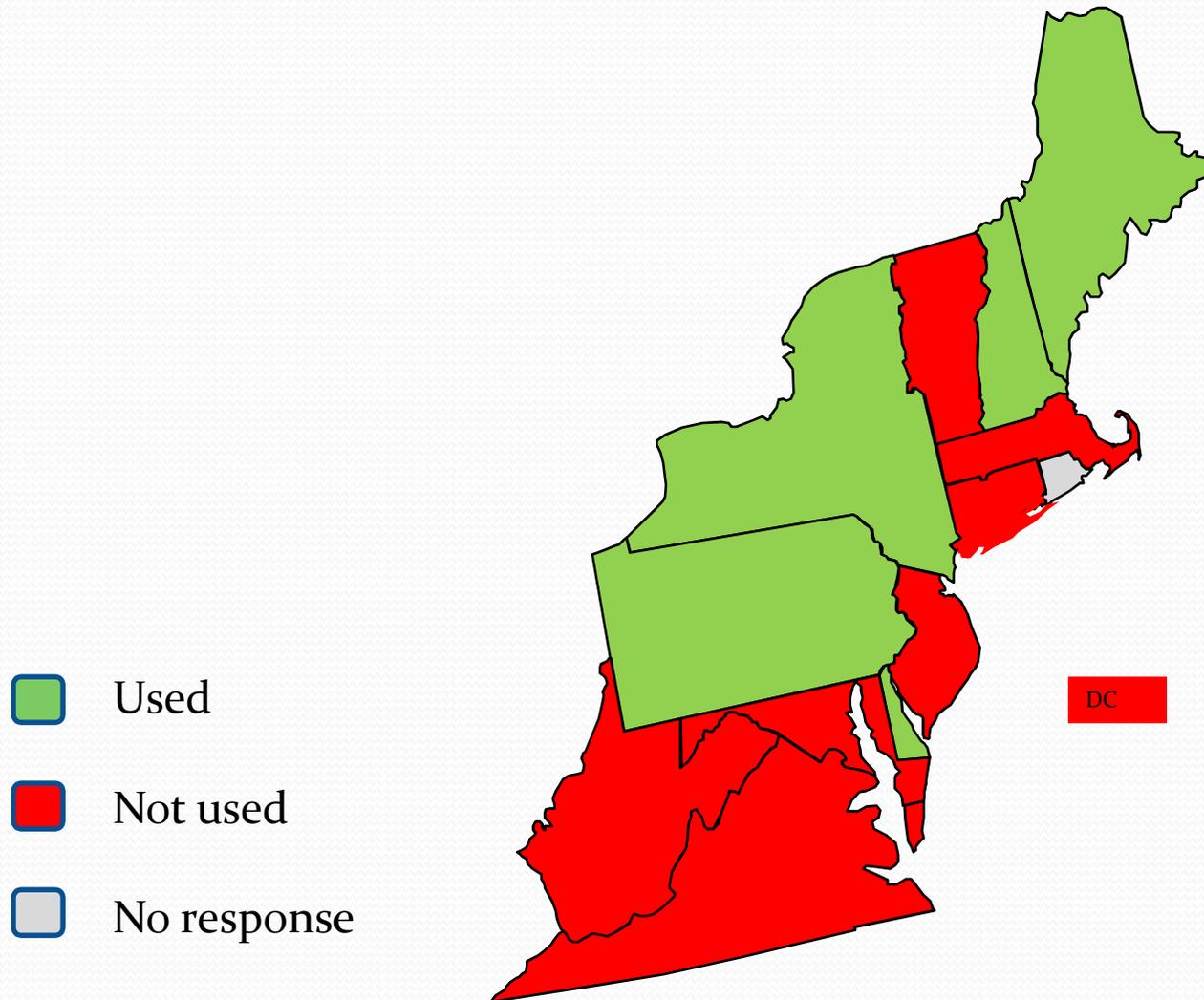


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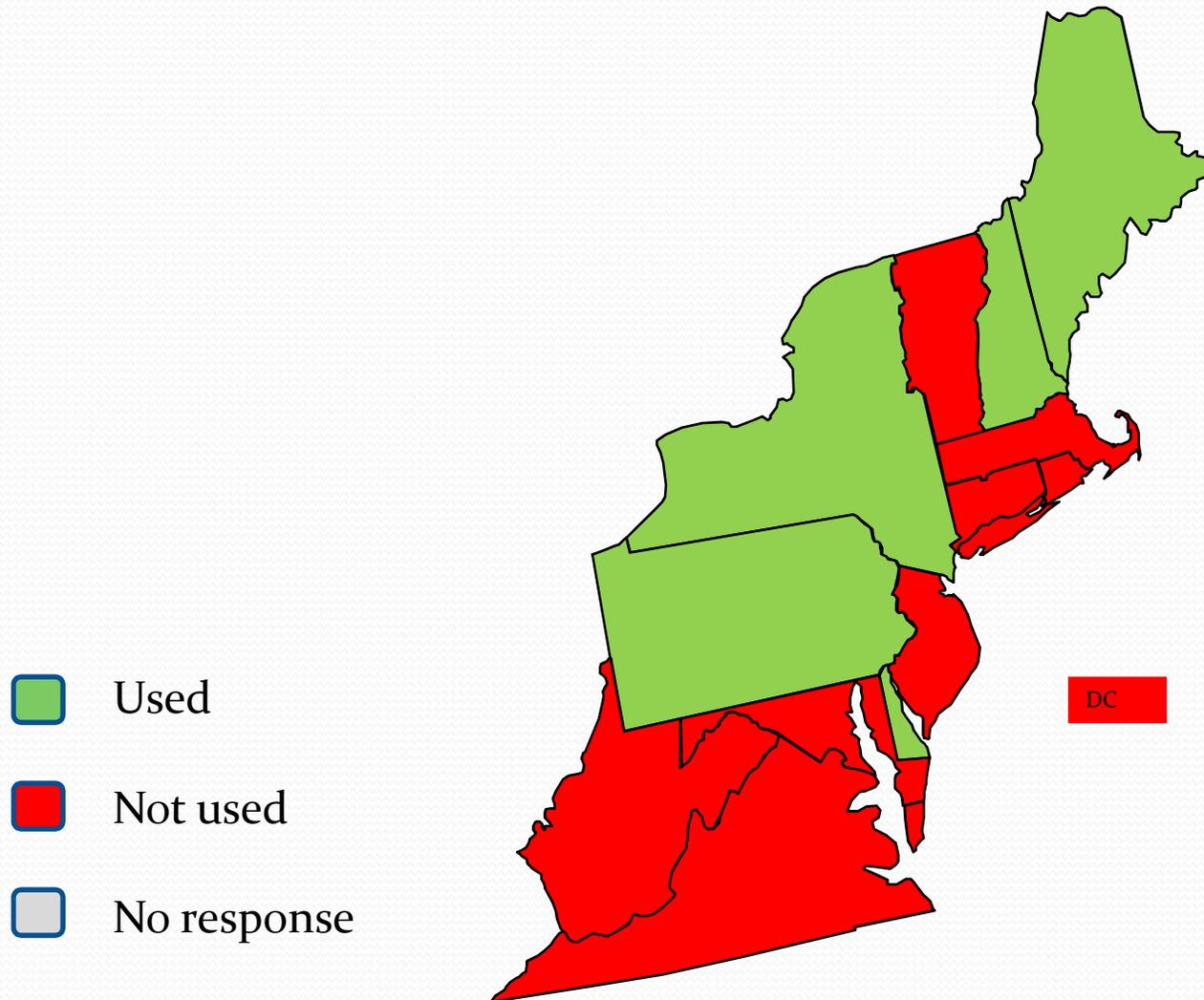
Mid-Atlantic Region - 2009



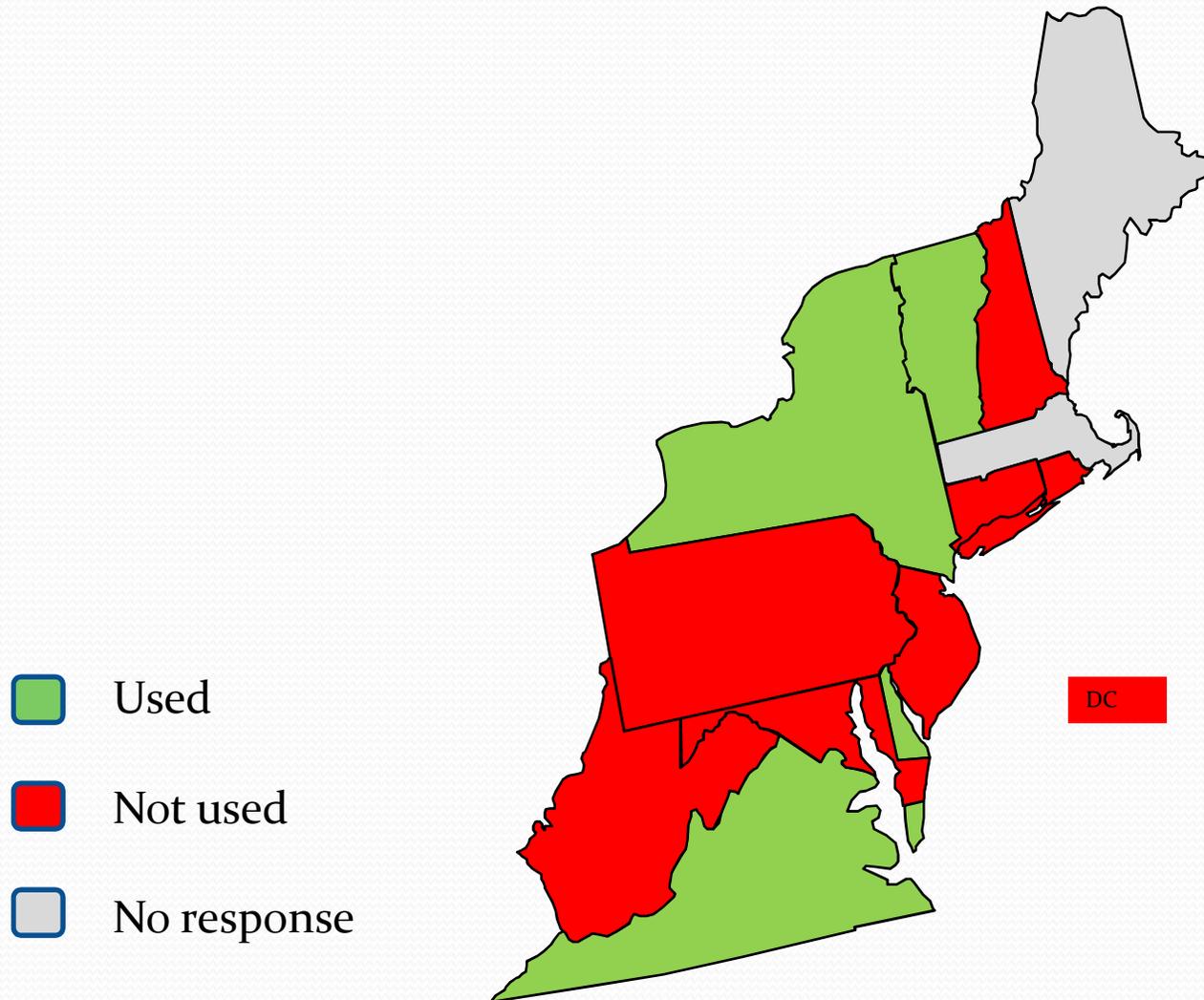
Mid-Atlantic Region - 2004



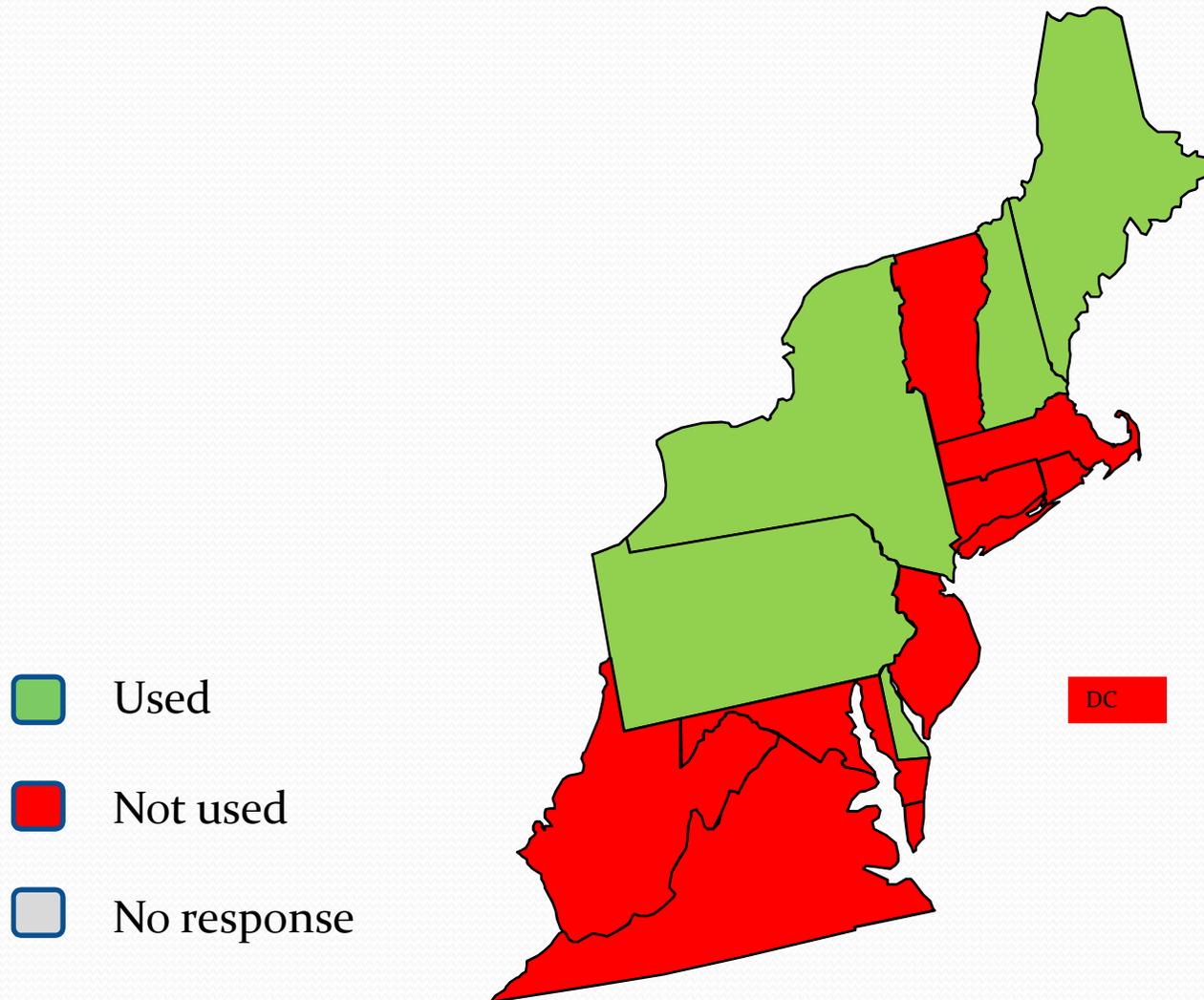
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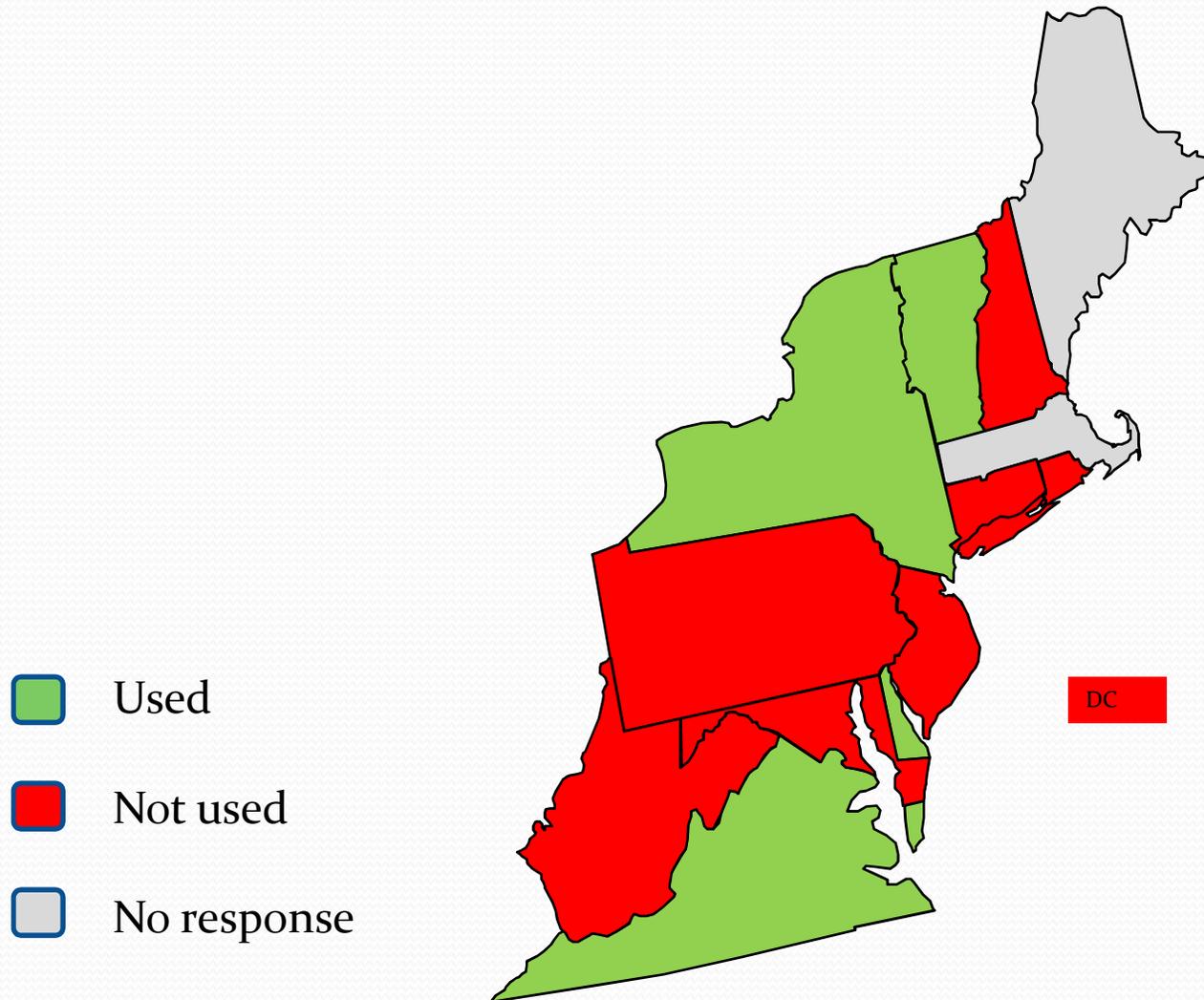
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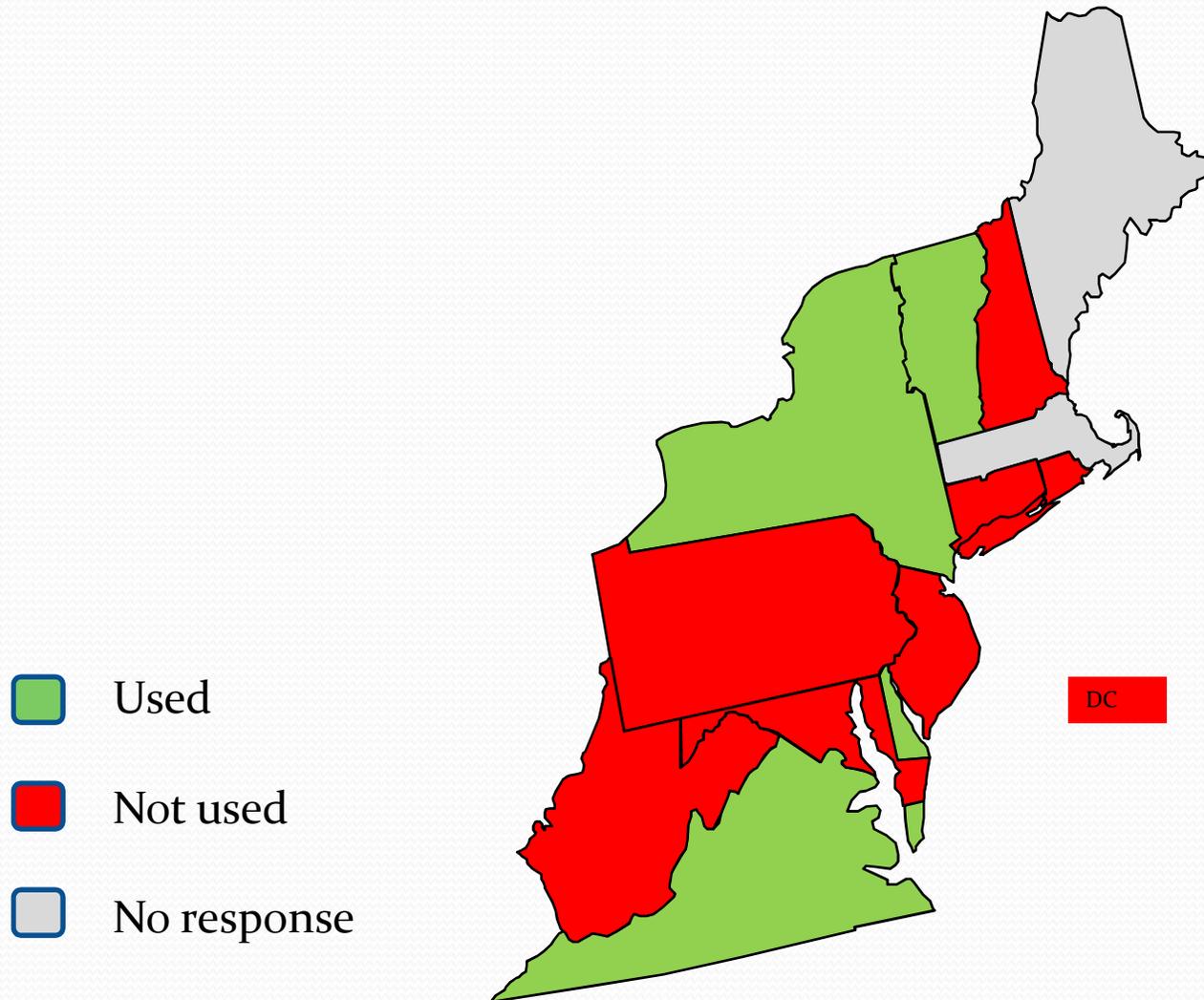
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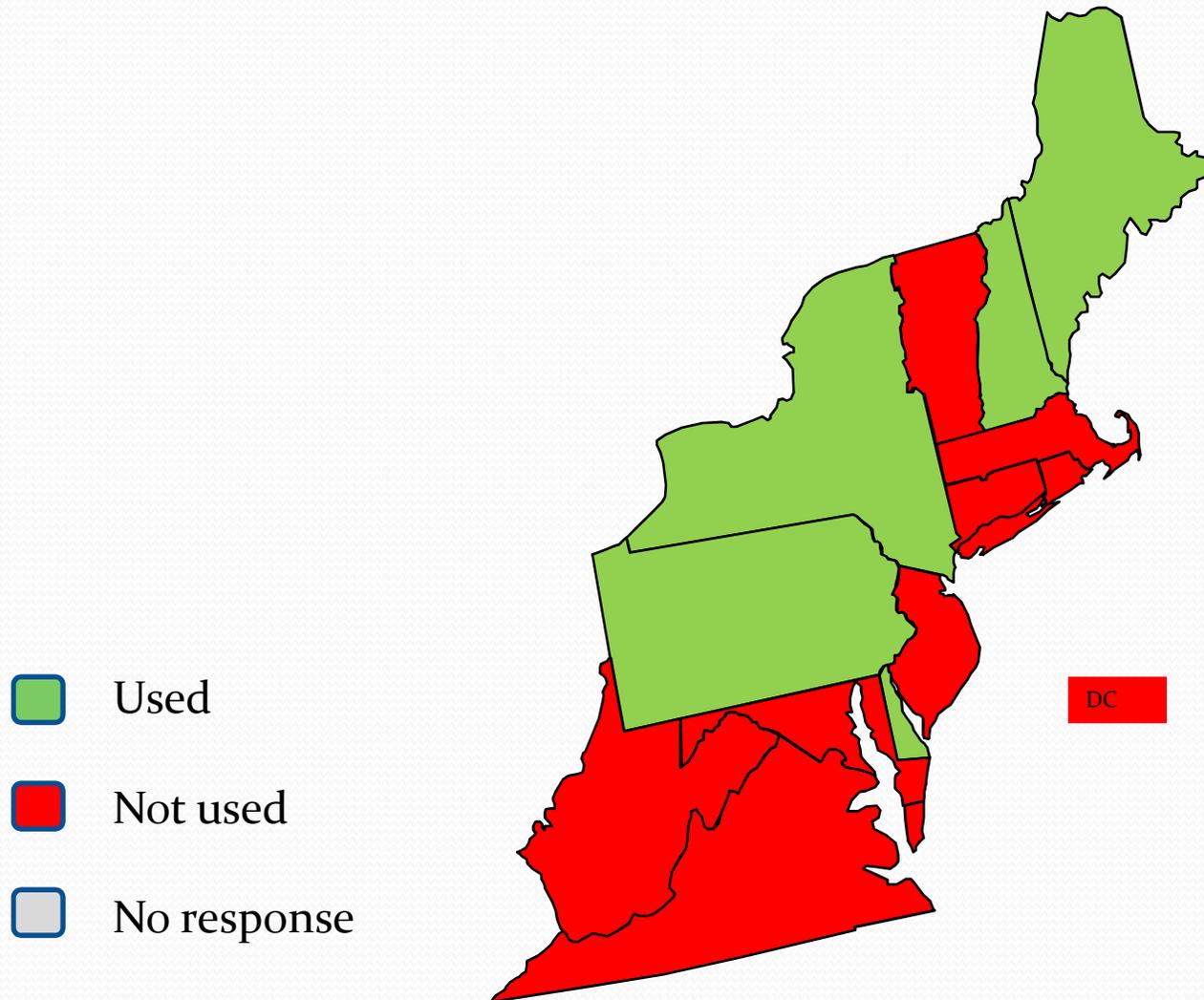
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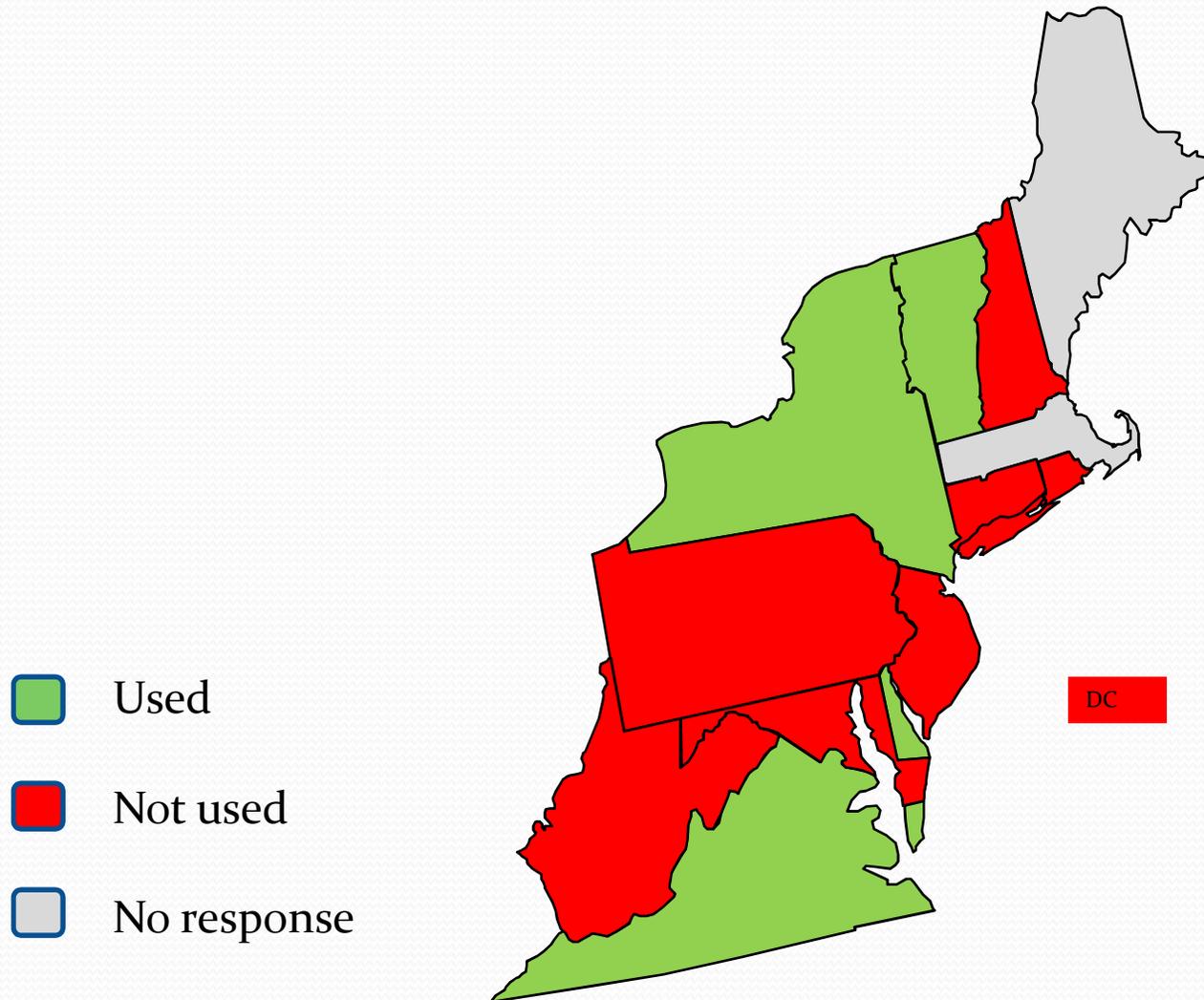
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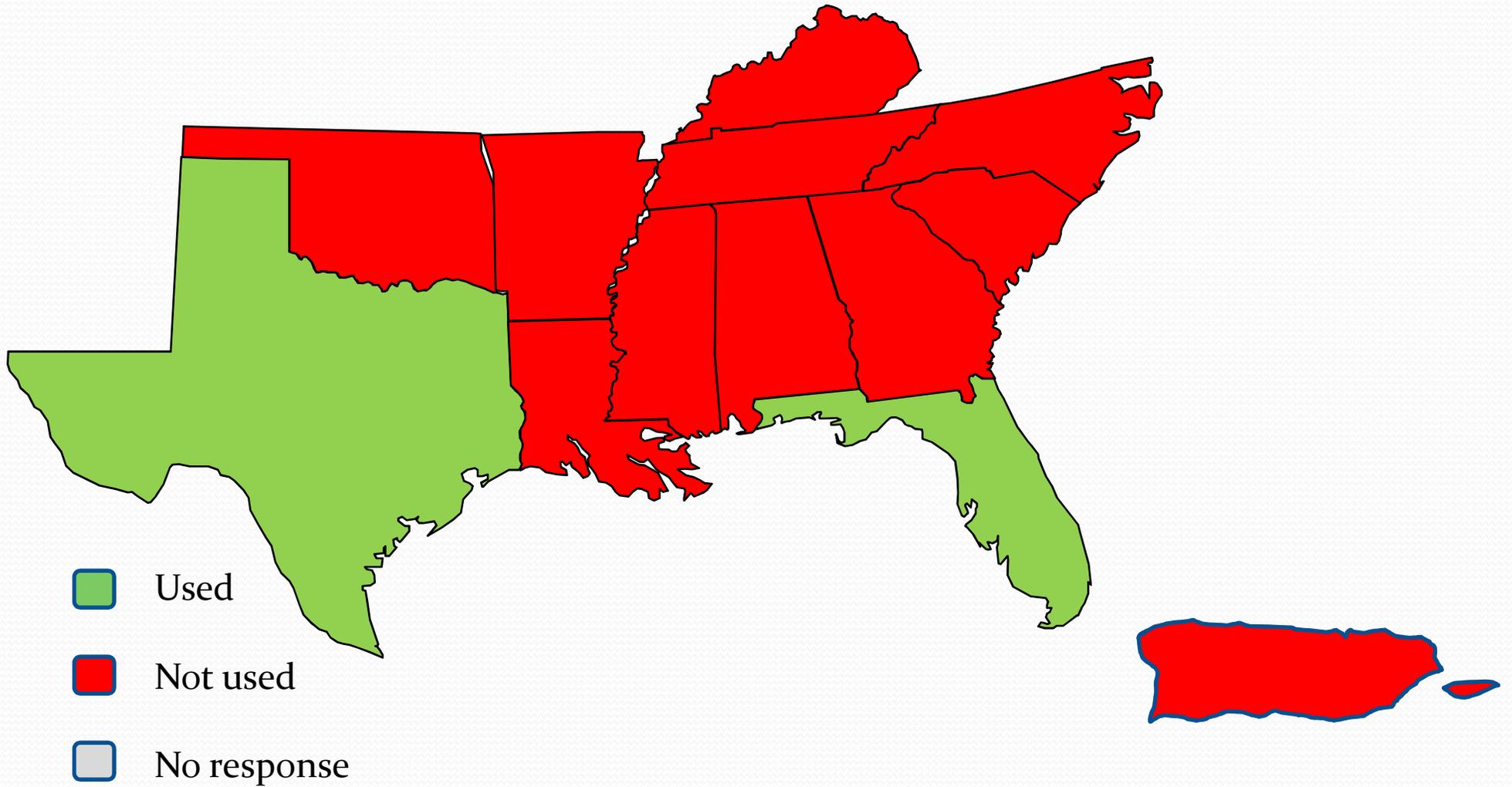
Mid-Atlantic Region - 2009



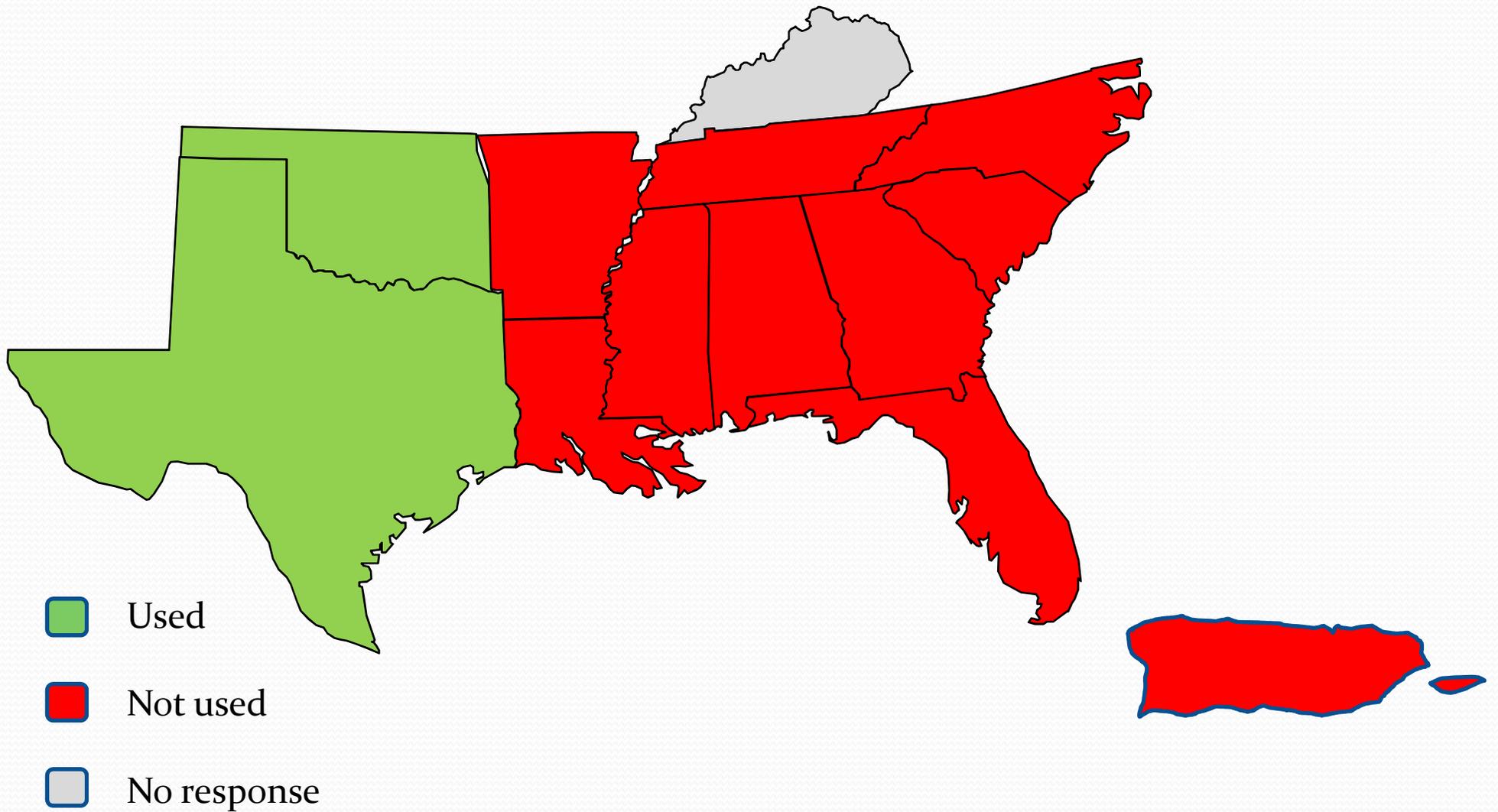
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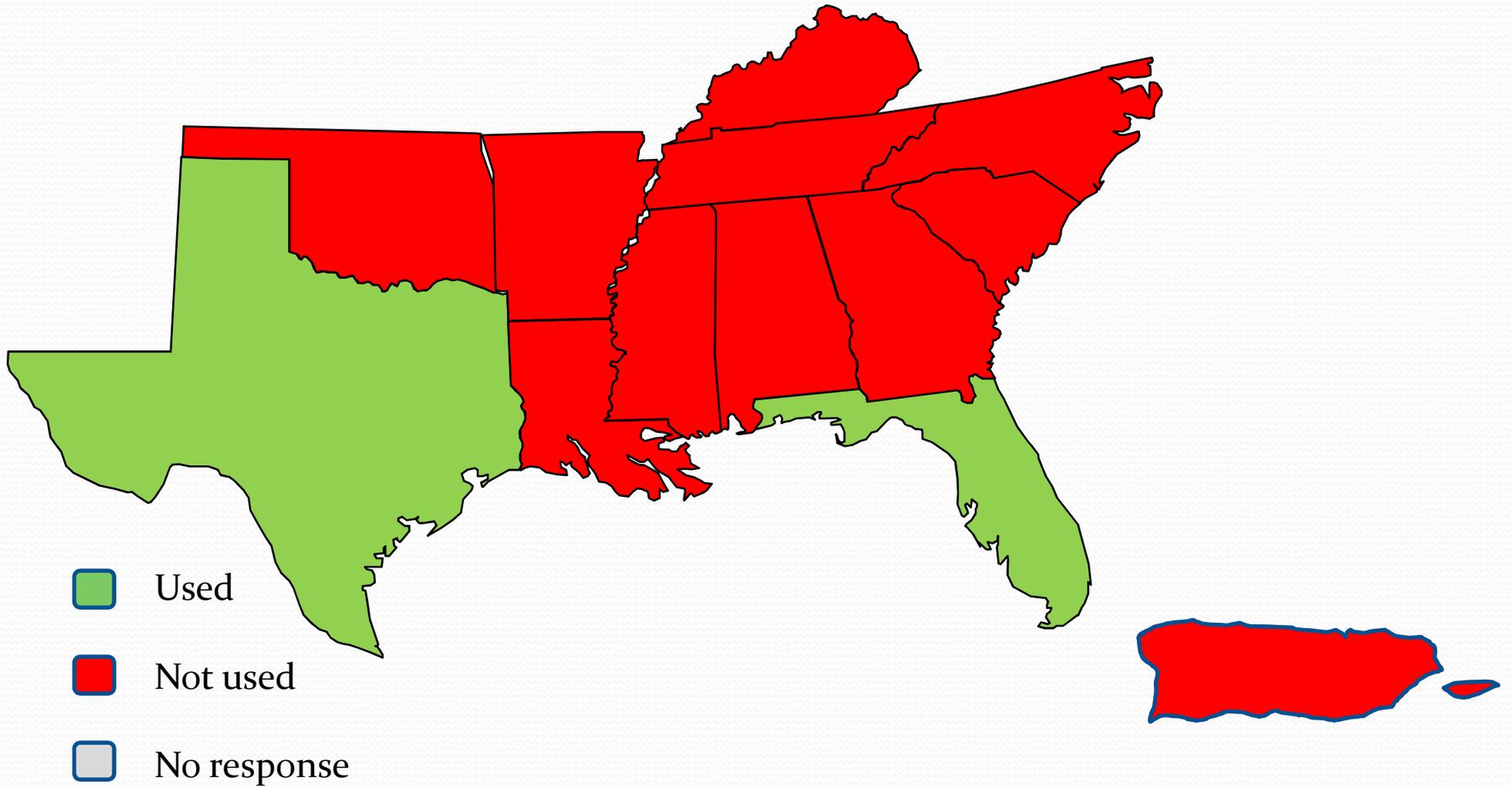
SE Region - 2004



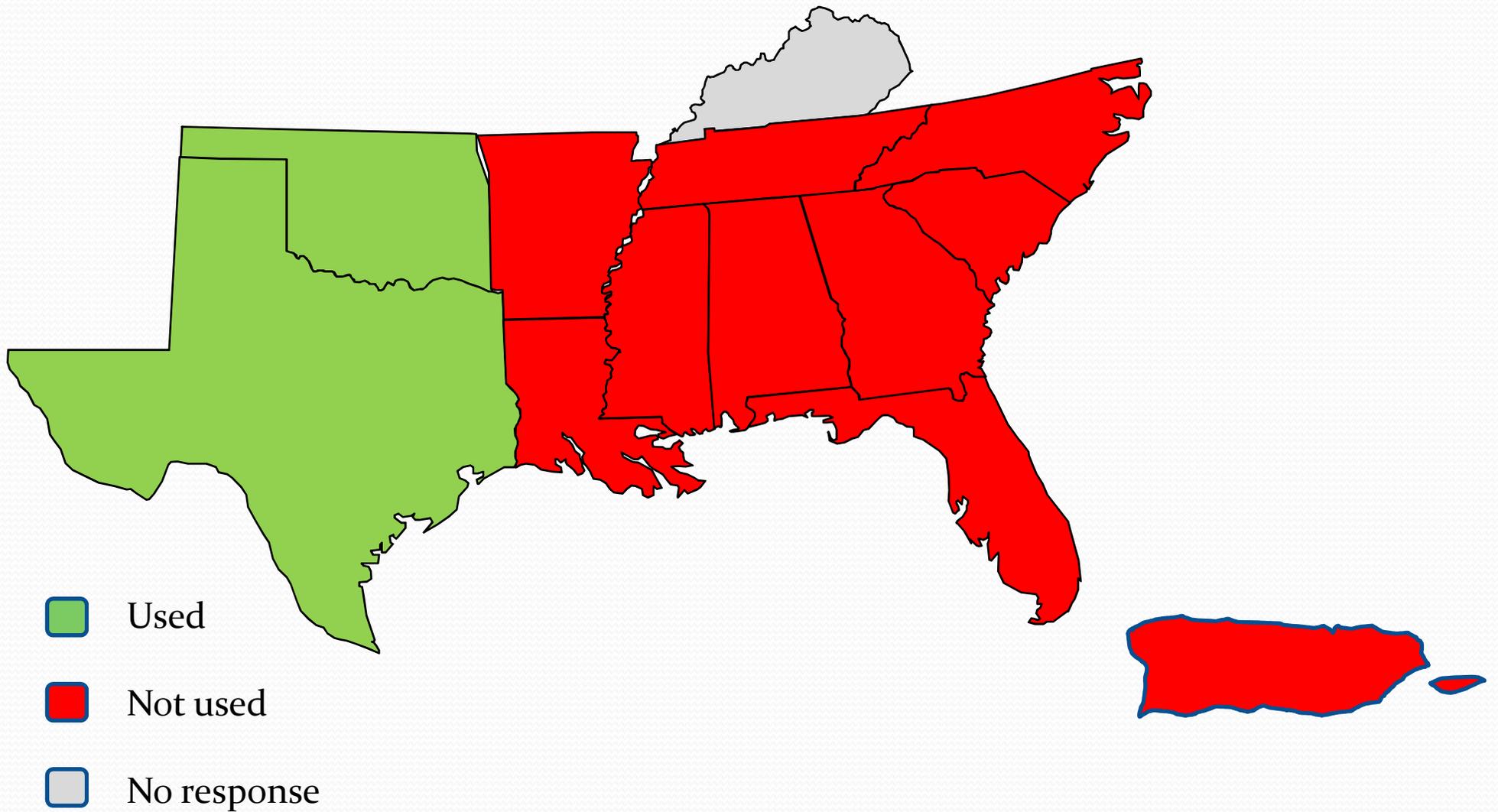
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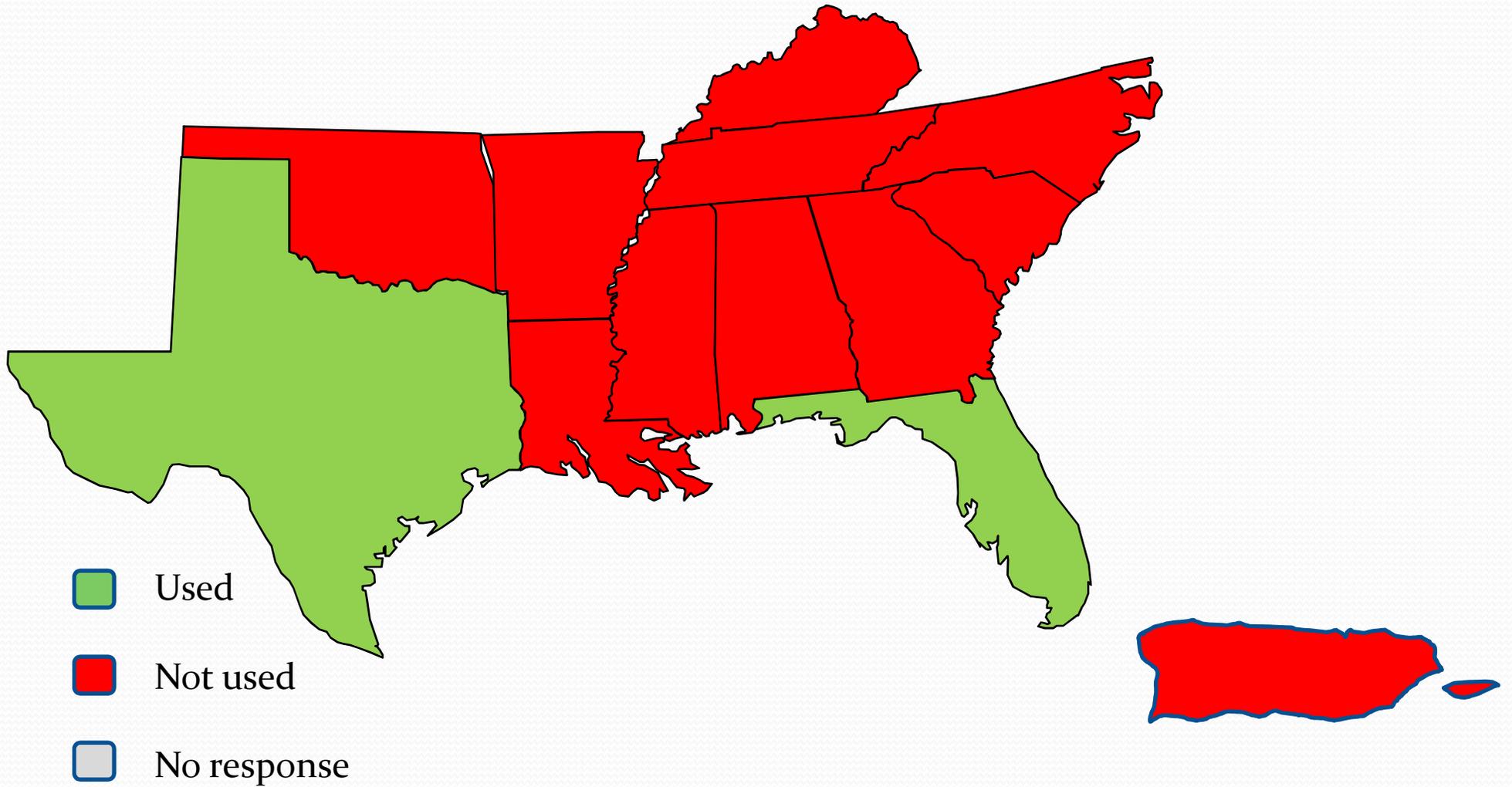
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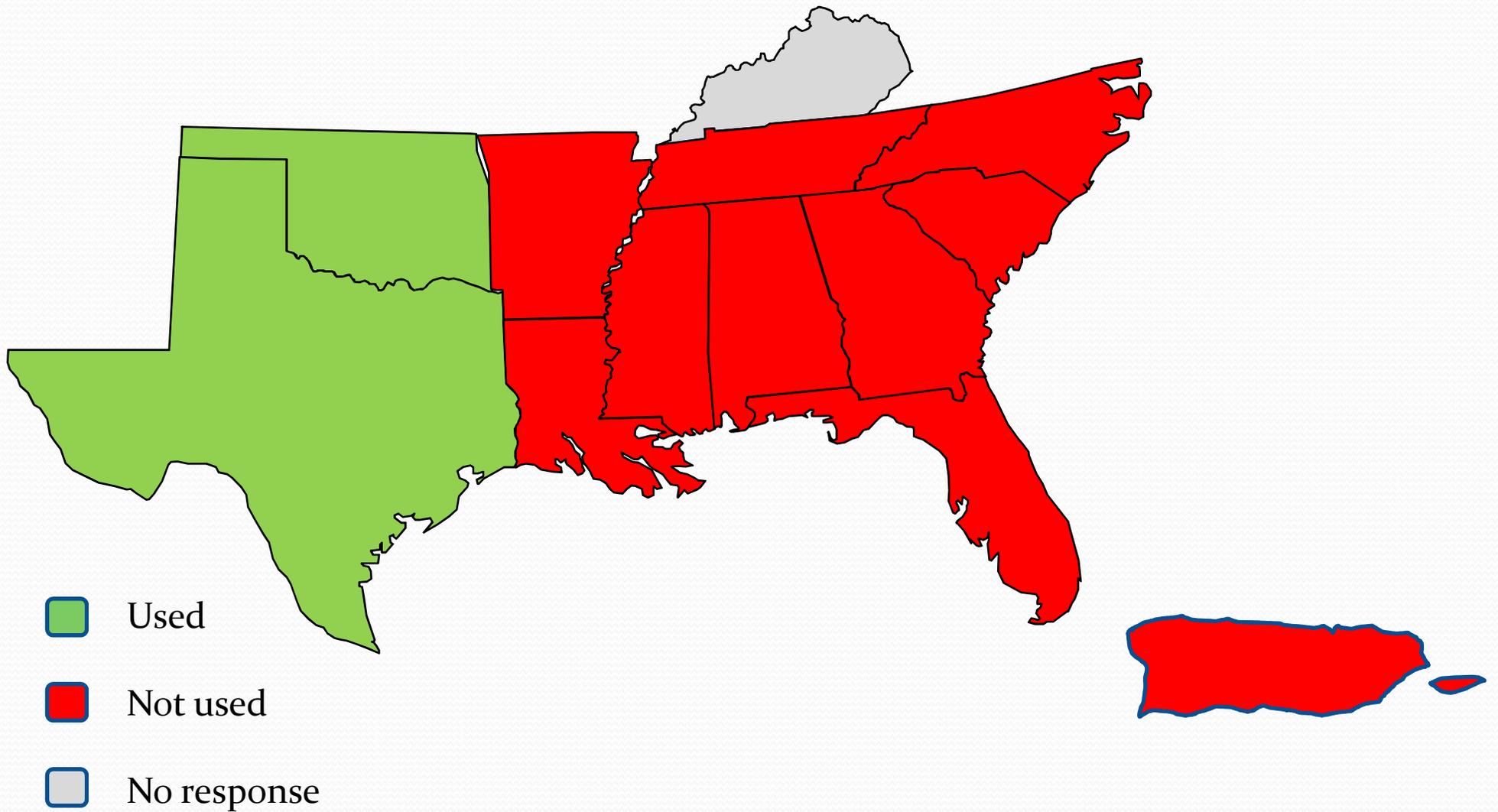
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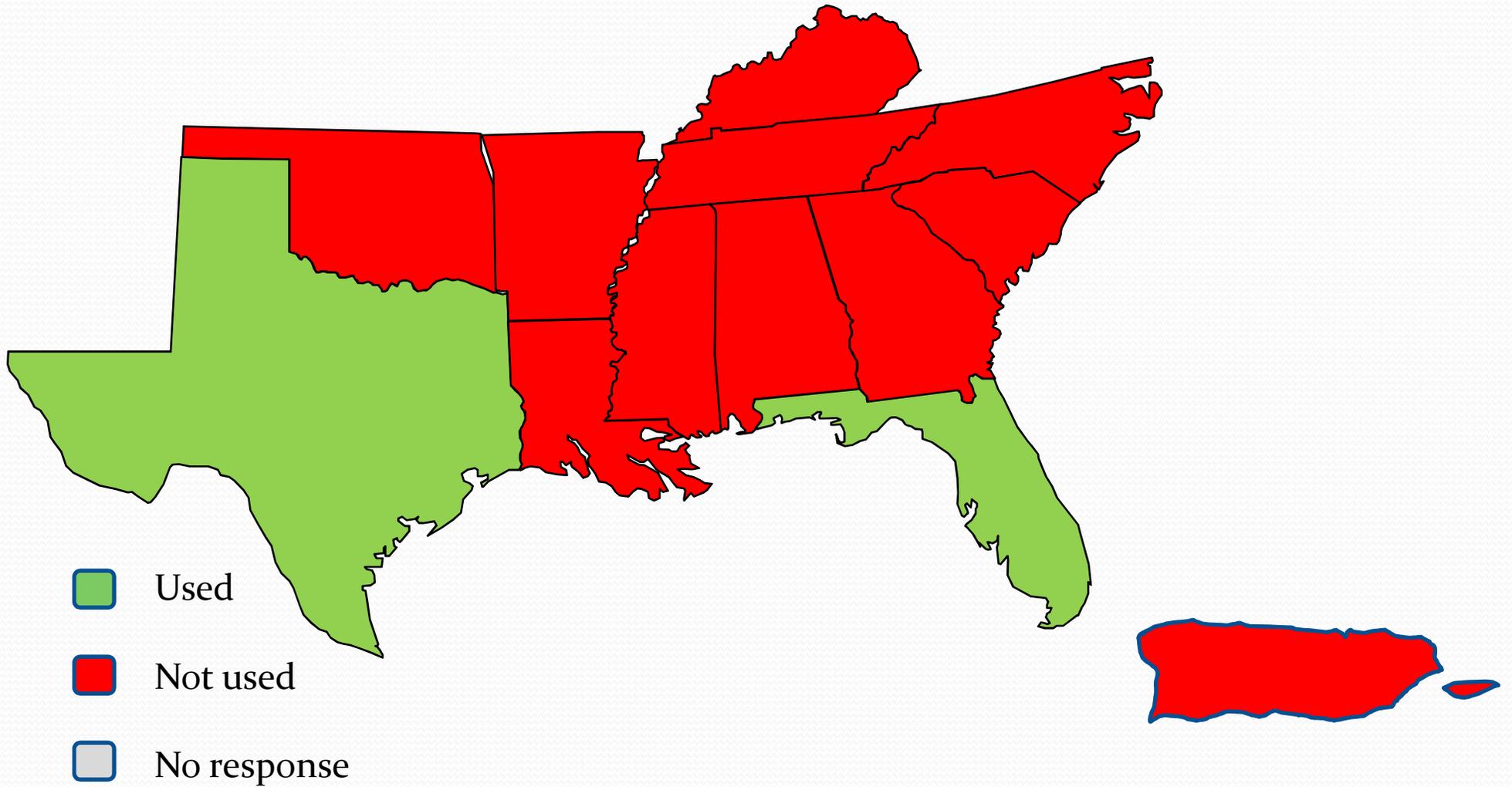
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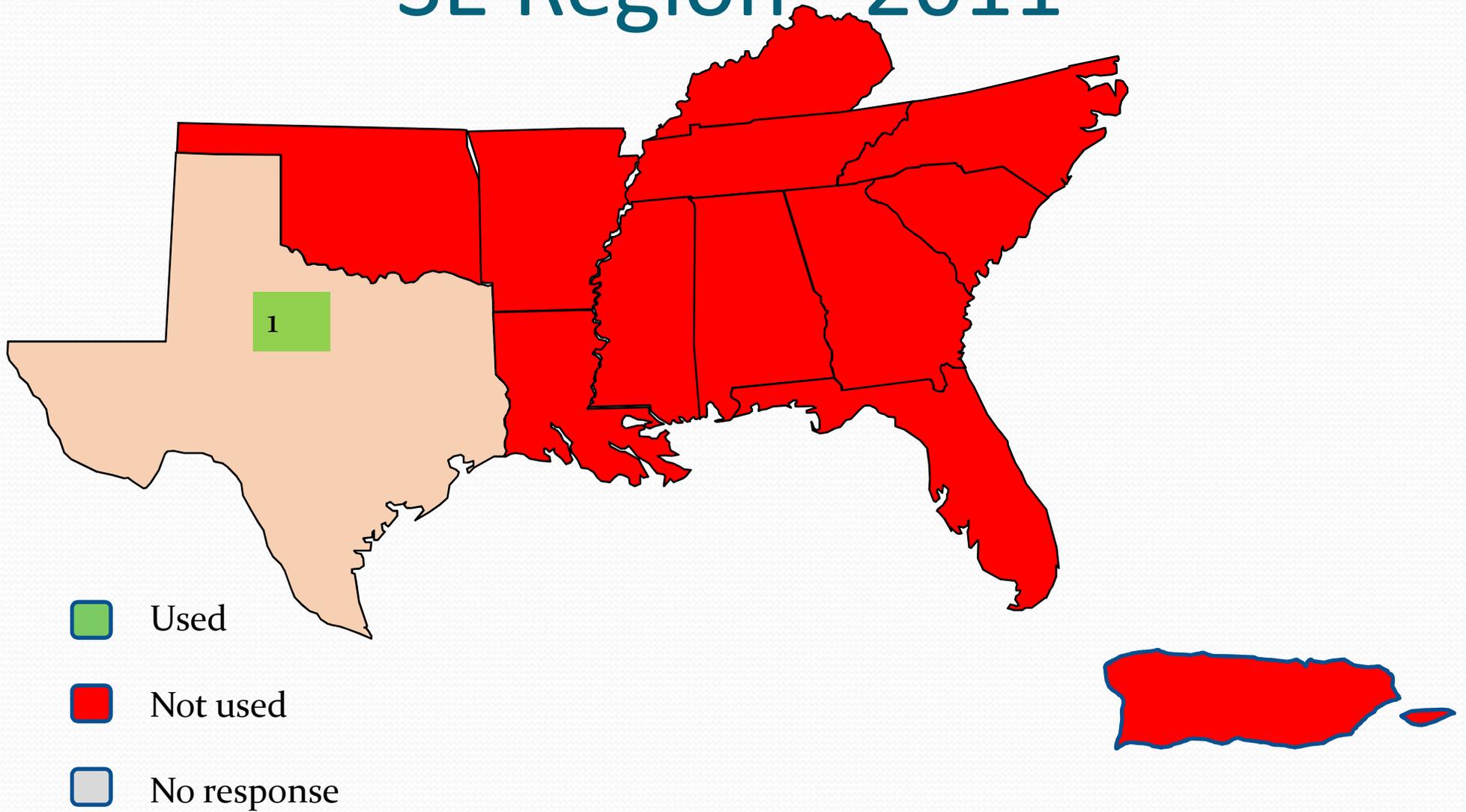
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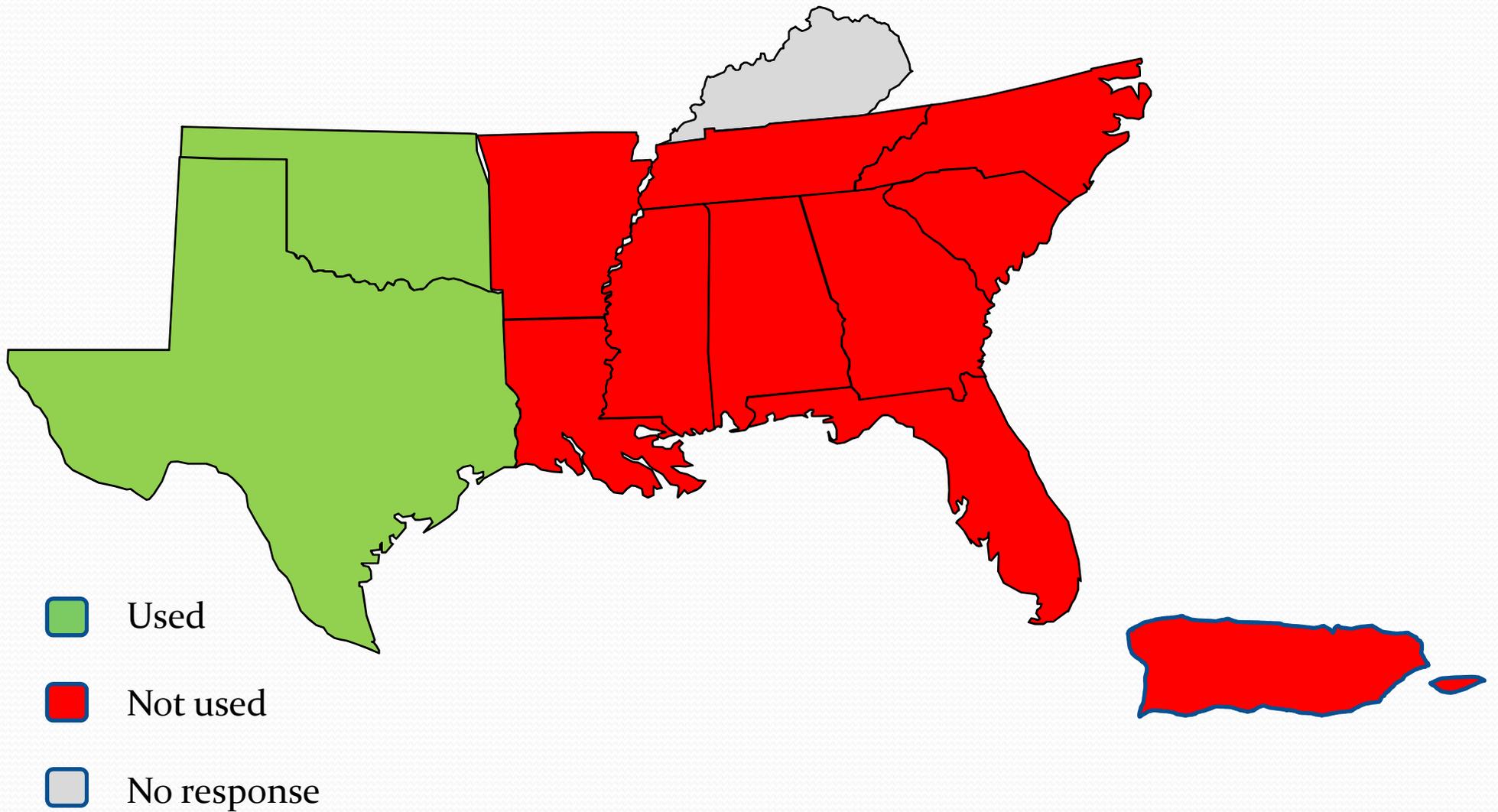
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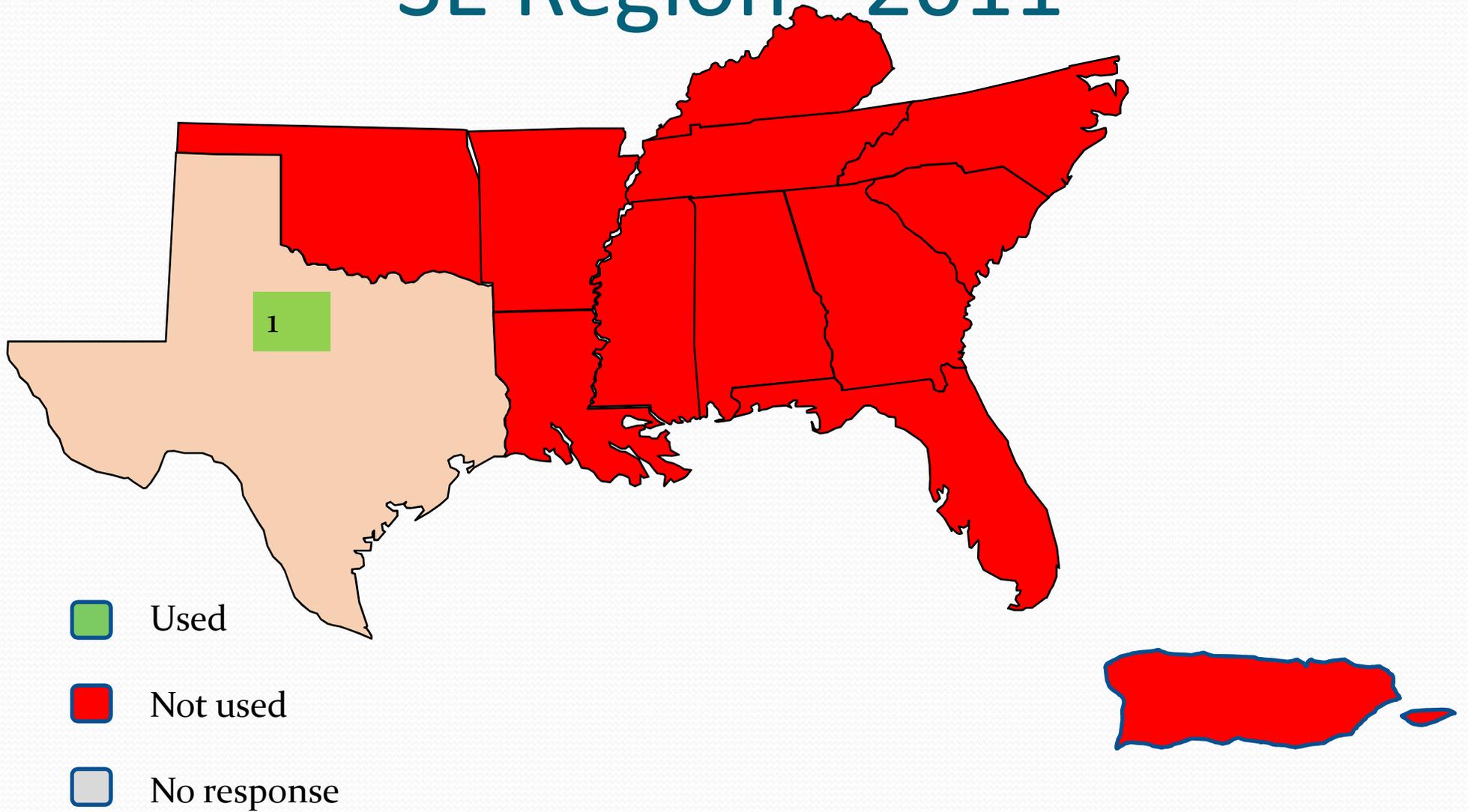
SE Region - 2011



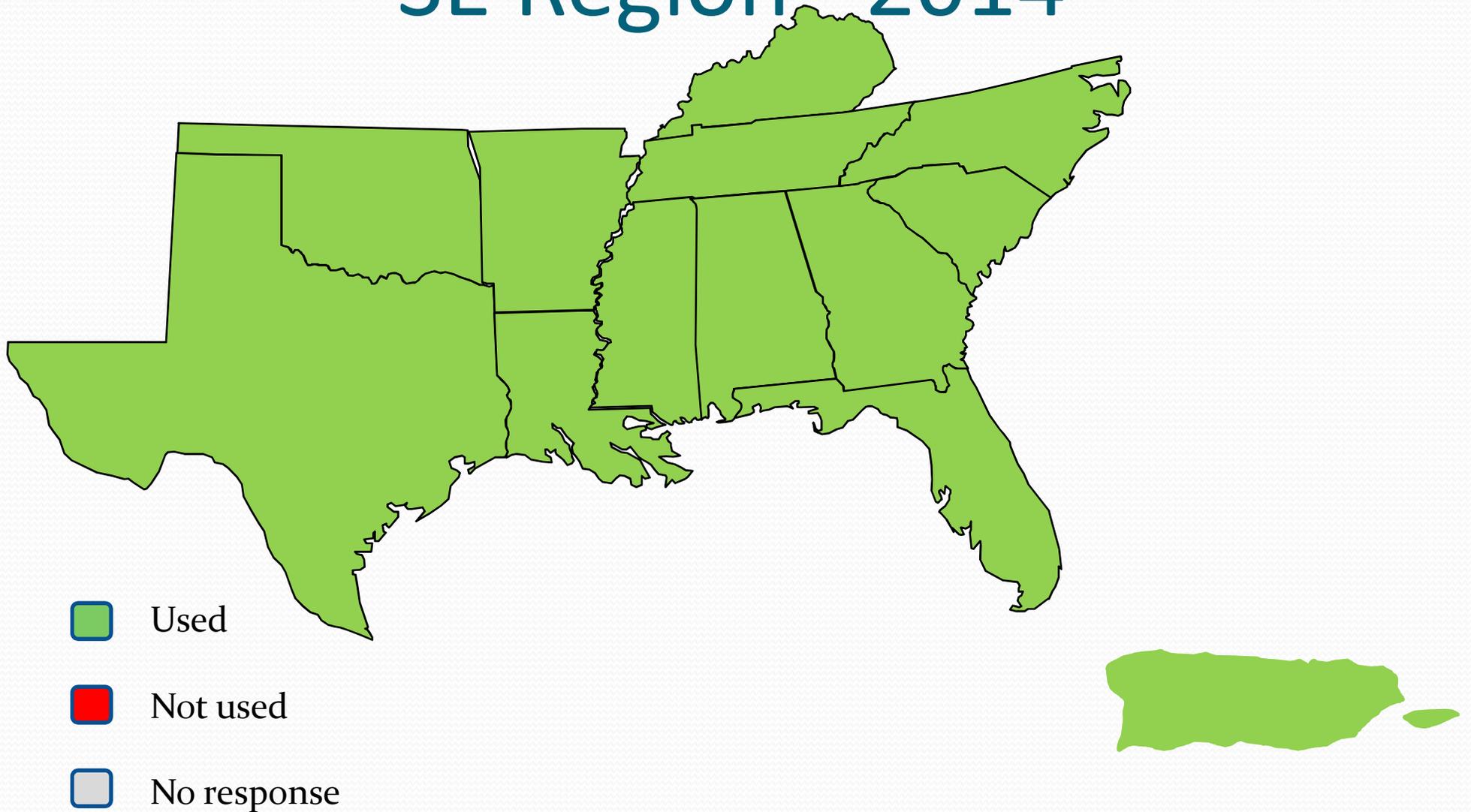
SE Region - 2009

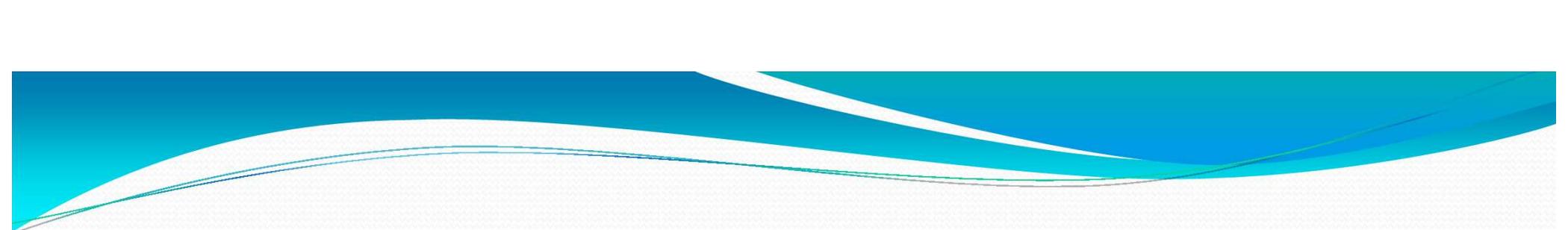


SE Region - 2011



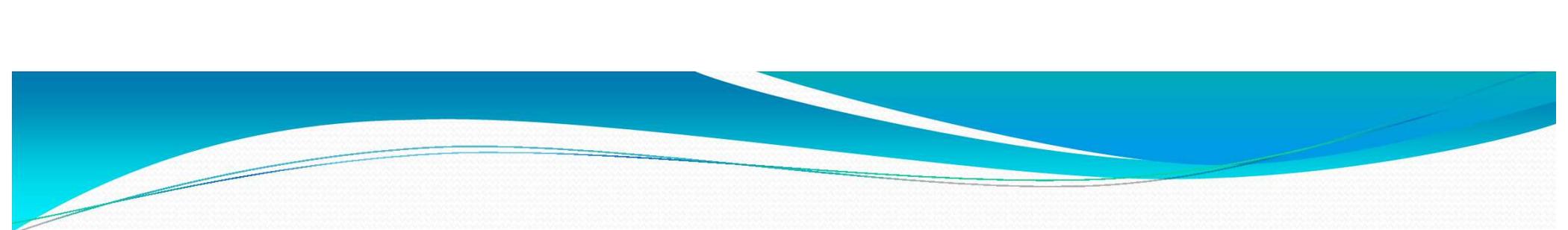
SE Region - 2014





Numbers for Numbers

- 2004
 - 19 used
 - 24 did not
 - 9 no response
- 2009
 - 22 used
 - 21 did not
 - 9 no response
- 2011
 - 23 used
 - 27 did not
 - 2 no response



Thank You for Attending

- FHWA's Cold In Place – State of Practice Review
- www.fhwa.dot.gov/pavement/recycling/cir/
- It works if you work it. A champion is needed.

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