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"THREE COUNTRIES.
ONE ENVIRONMENT."

Enhancing Access to Comparable Pollutant Data:
Innovative Mapping with *Google Maps*

PRTR Consultative Group Meeting
Montréal, Canada
December 5, 2007

Commission for Environmental Cooperation

What's next?

- **Update the CEC's PRTR mapping tool with 2005 data**

- **Explore methods to support *Taking Stock* with *Google Maps***
  - ➢ **"Map it" function for individual facilities**
  - ➢ **Choropleth & proportional symbol mapping**
  - ➢ **Heat mapping**

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Google

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Google Maps

e.g., "10 market st, san francisco" or "hotels near lax"

[Search Maps]

Search the map   Find businesses   Get directions

Search Results   My Maps

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Welcome to Google Maps

You can drag the map with your mouse, and double-click to zoom. Take a tour »

Search the map, e.g.
kansas city
10 market st, san francisco

Find businesses, e.g.
hotels near lax
pizza

Get directions, e.g.
jfk to 350 5th ave, new york
seattle to 98109

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Street View   Traffic   **Map**   Satellite   Terrain

Canada

500 mi
500 km

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"Map it" with Google Maps
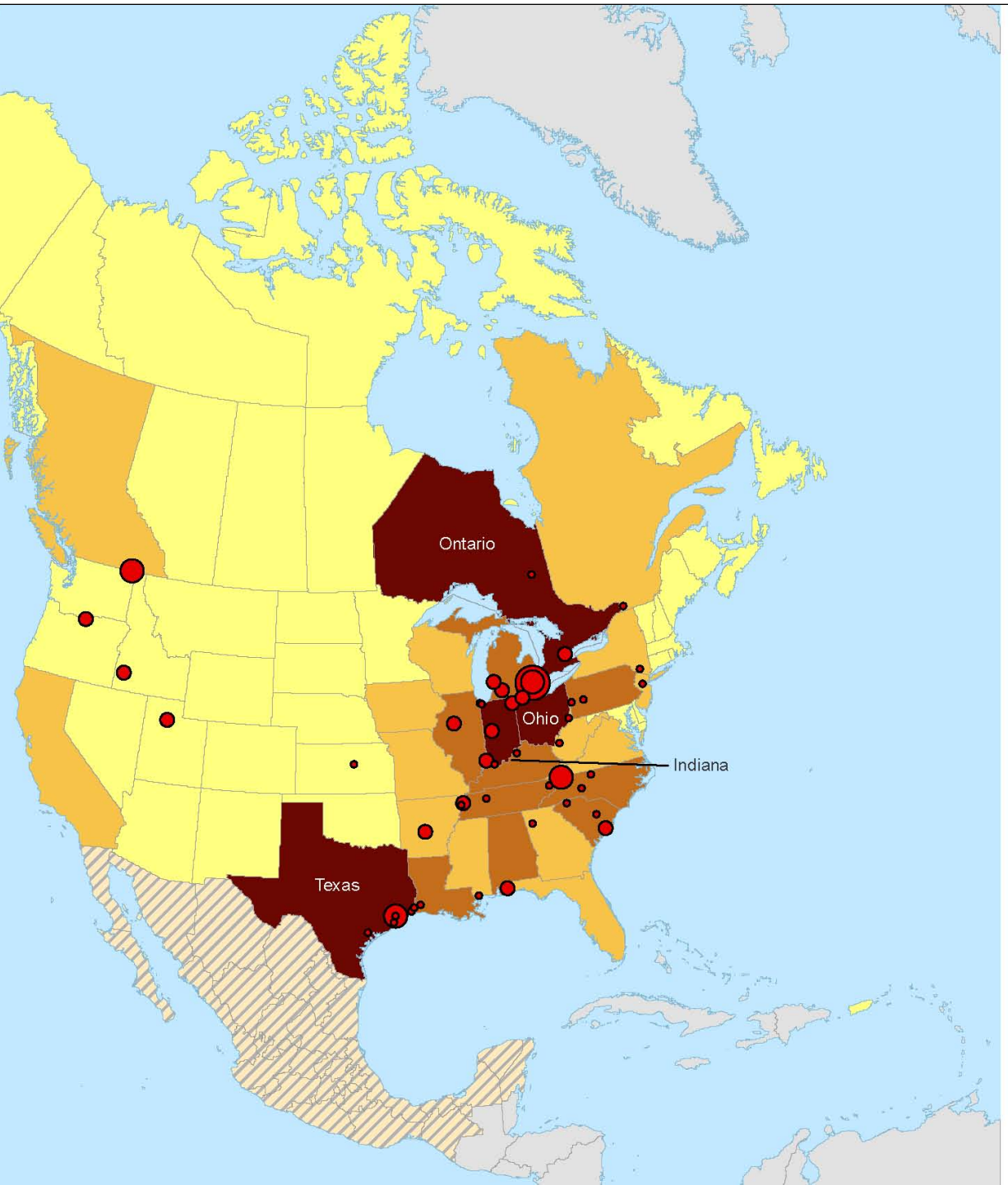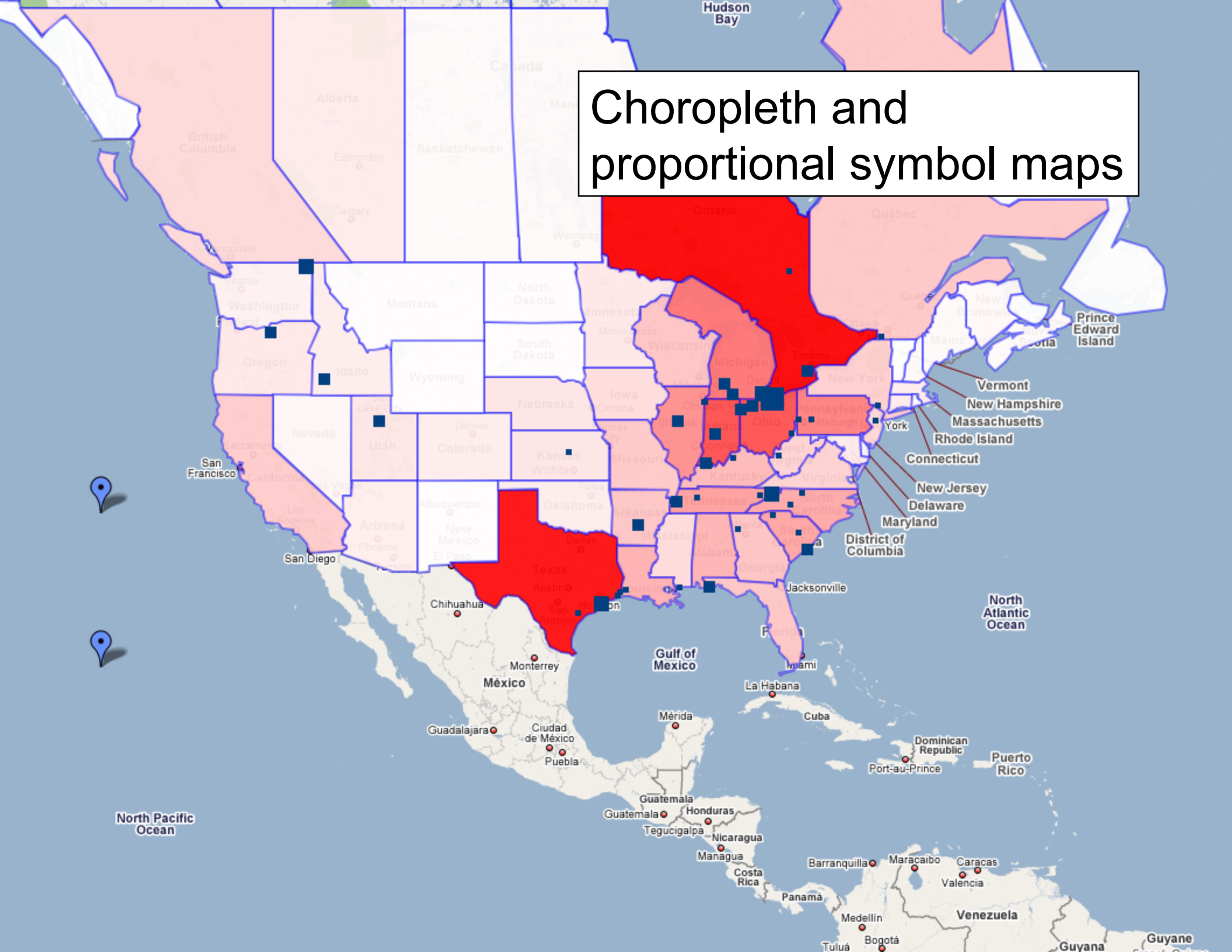
Facility's Total Releases and Transfers

⬤ > 80 million kg

● 20 to 25 million kg

• 10 to 20 million kg

· 6 to 10 million kg

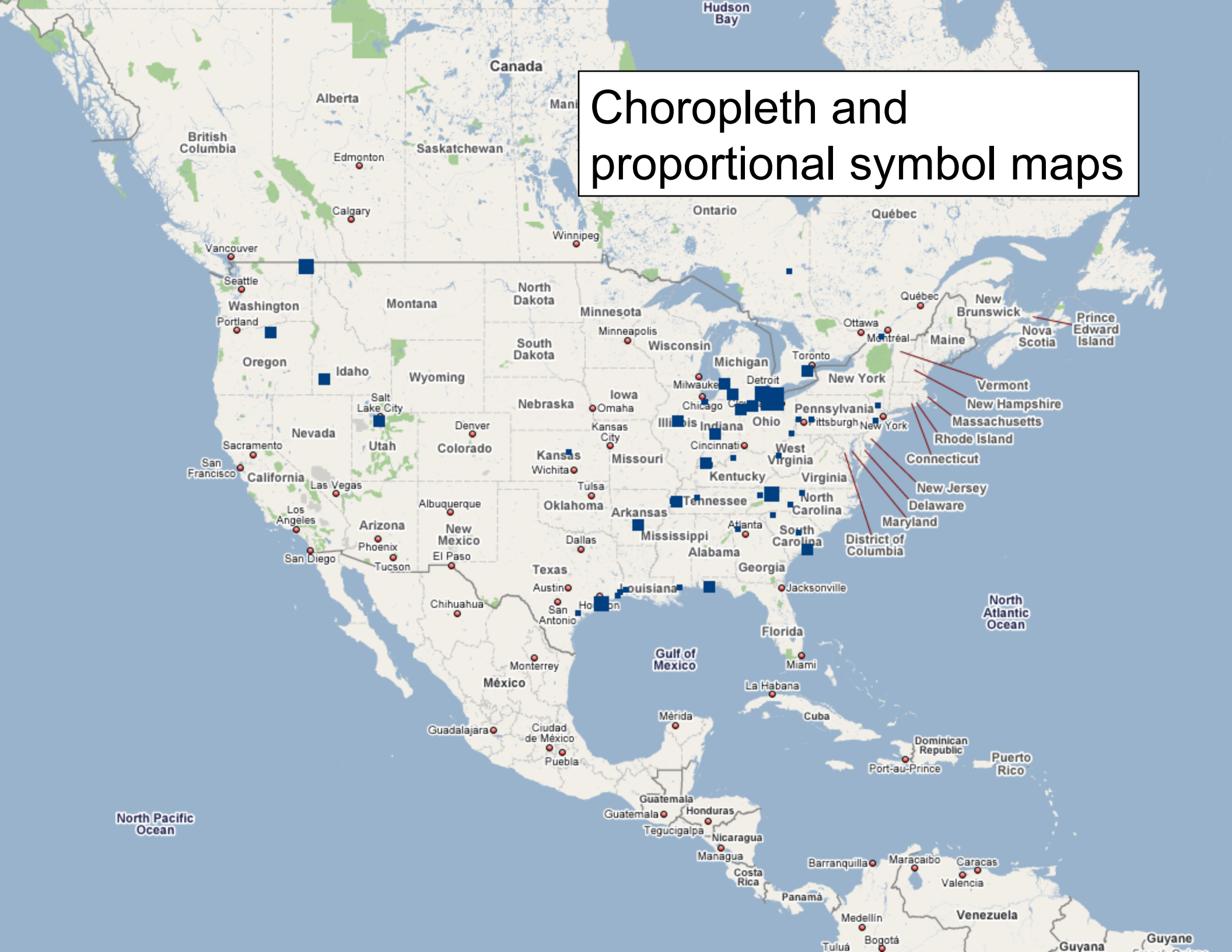State/Province's Total Releases and Transfers

■ 160 to 280 million kg

■ 70 to 160 million kg

■ 30 to 70 million kg

■ 0 to 30 million kg

▨ No data

Ontario

Ohio

Indiana

Texas

Hawaii (U.S.A.)
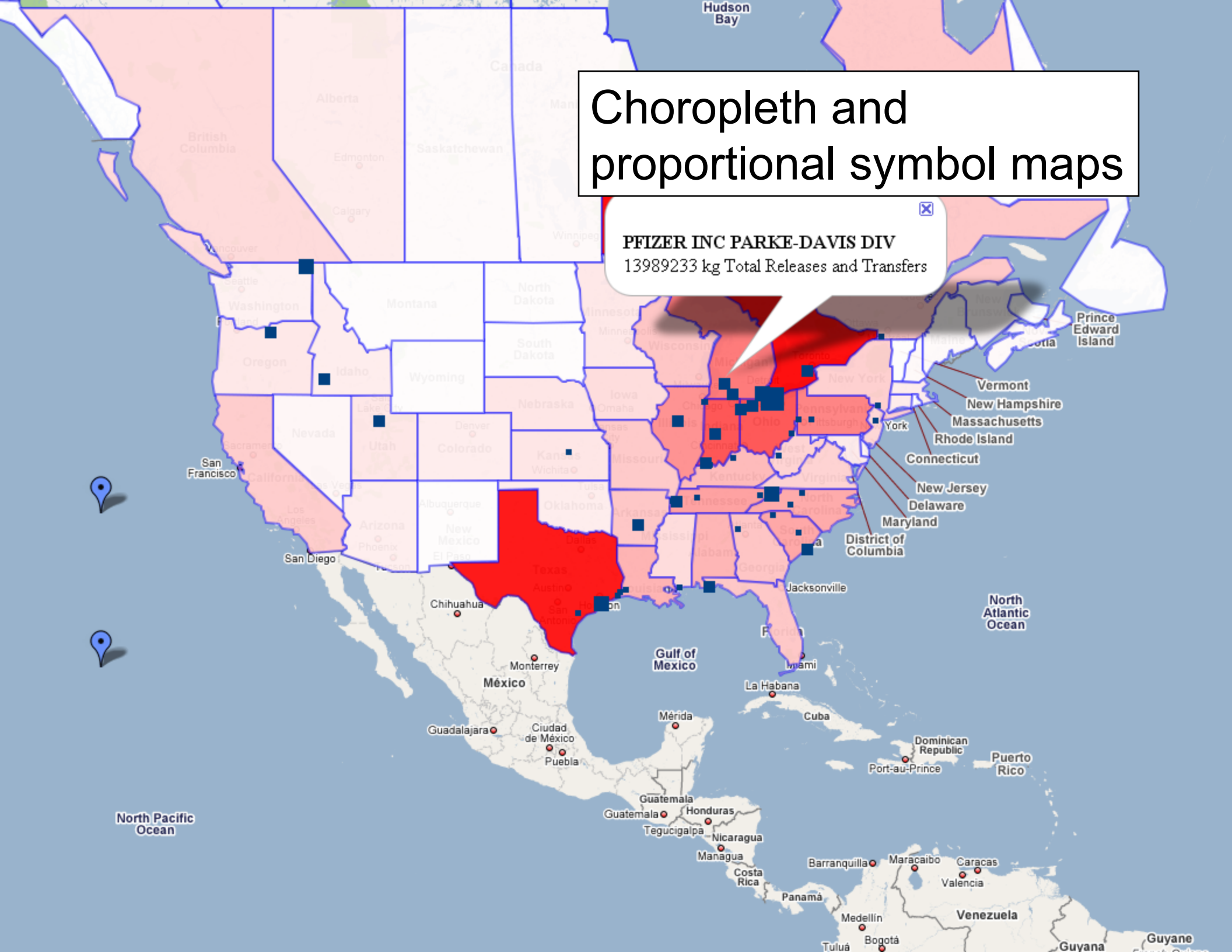
Choropleth and proportional symbol maps

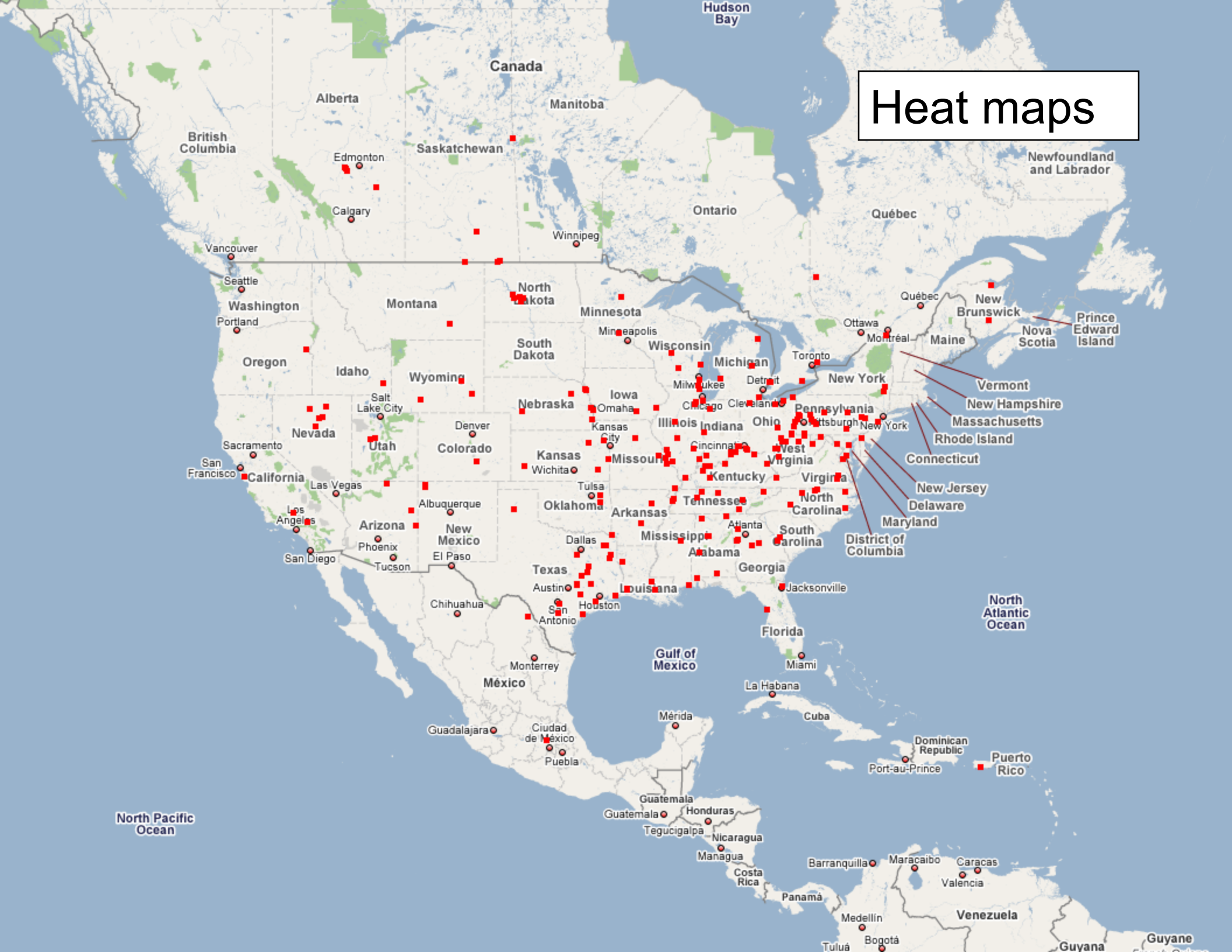Choropleth and proportional symbol maps

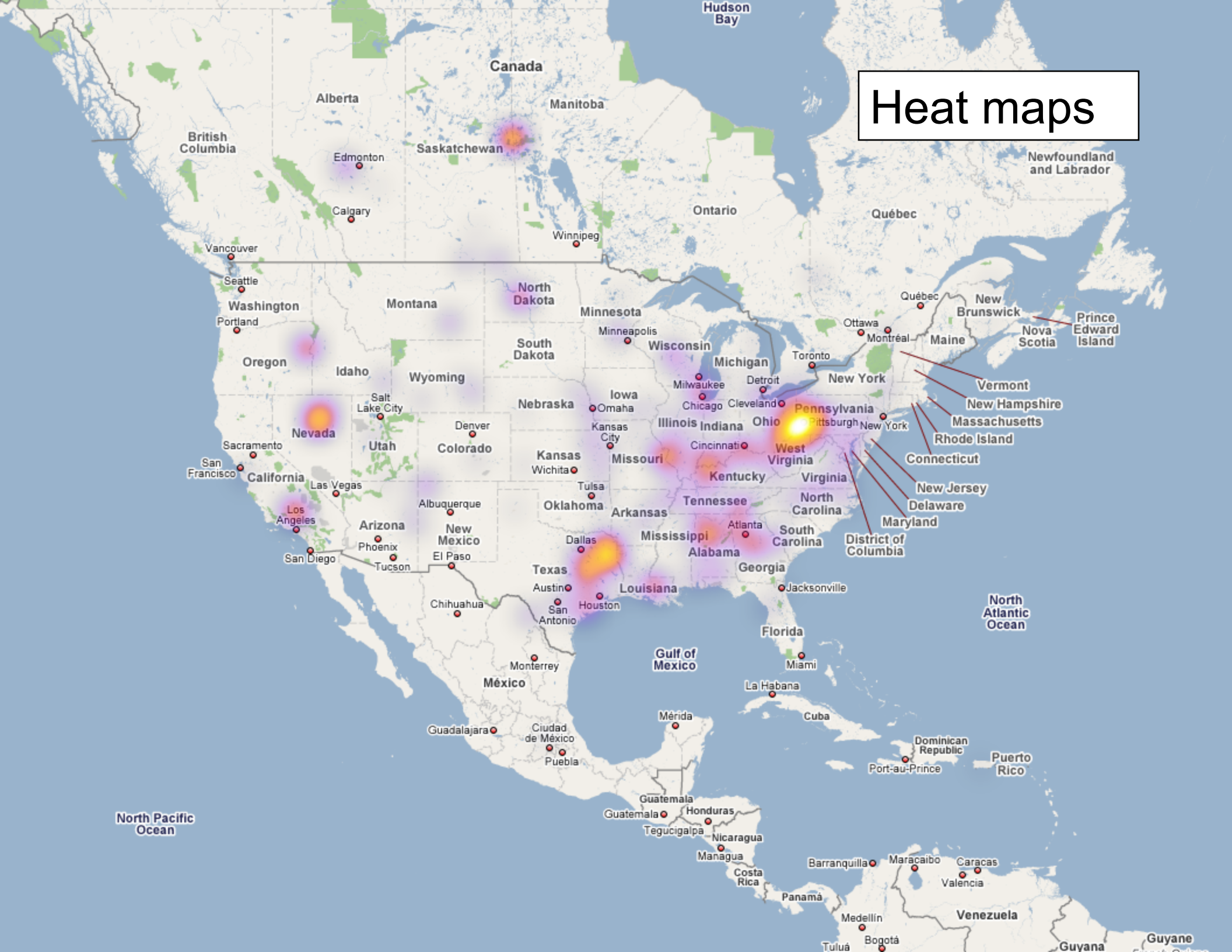Choropleth and proportional symbol maps

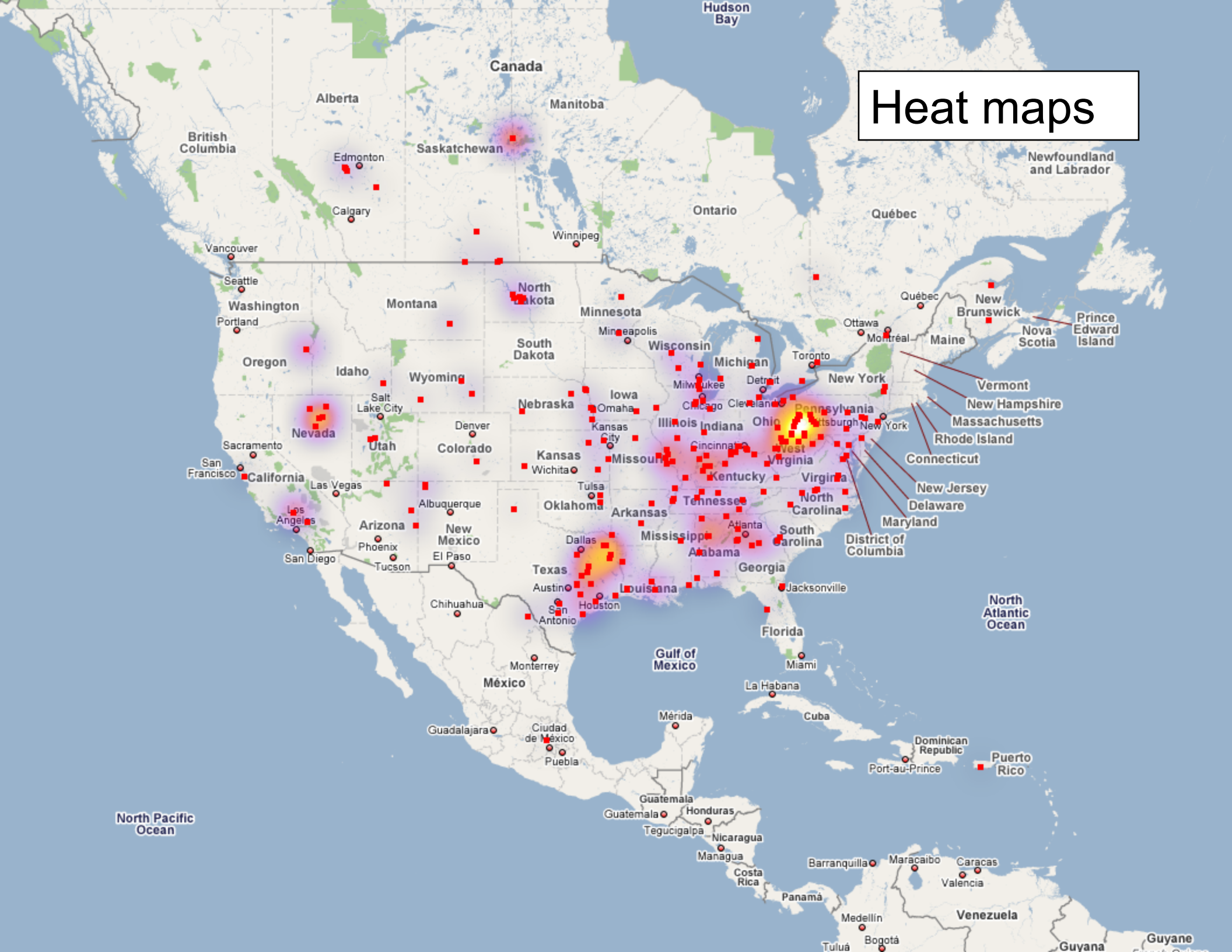PFIZER INC PARKE-DAVIS DIV
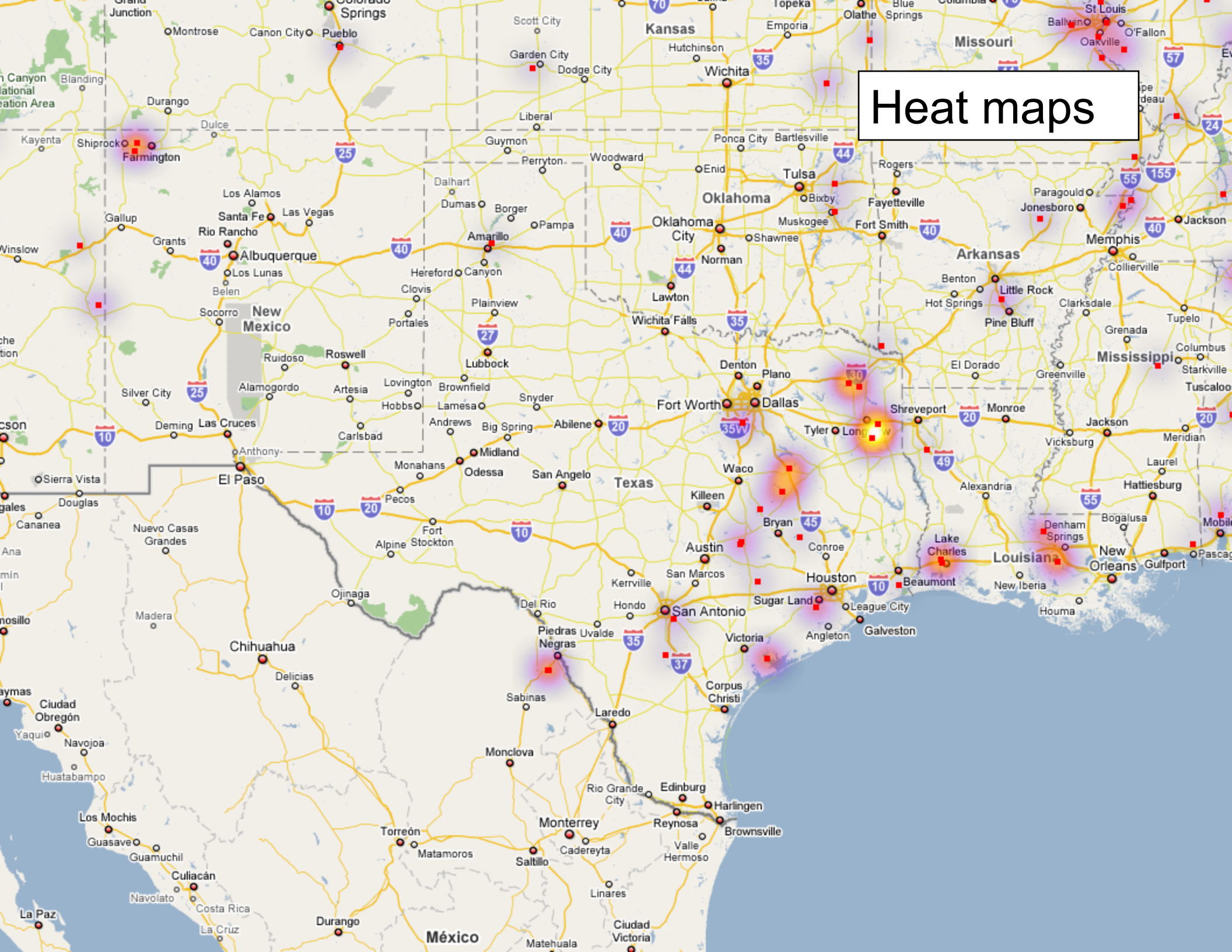13989233 kg Total Releases and Transfers

Heat maps
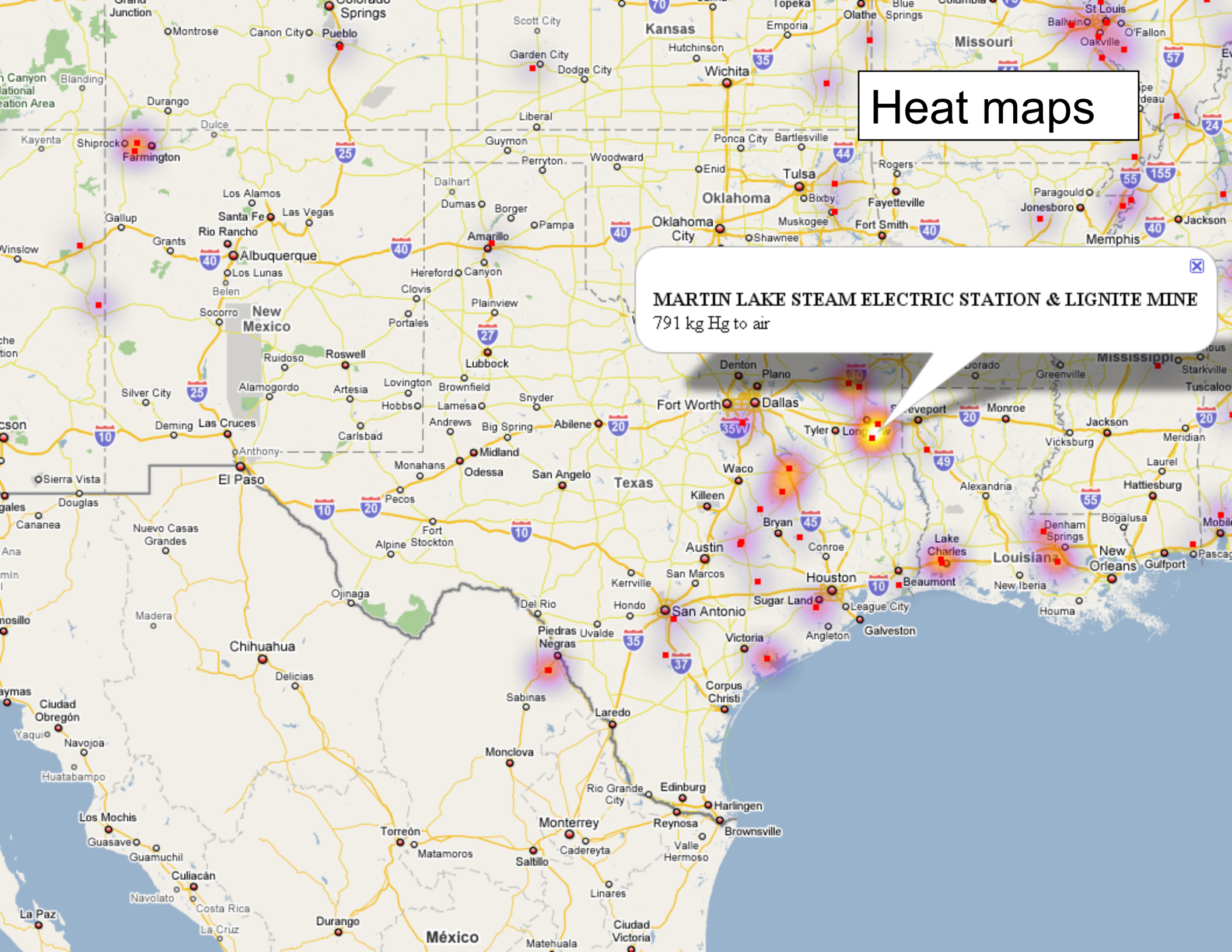
Heat maps

Heat maps

Heat maps

Heat maps

MARTIN LAKE STEAM ELECTRIC STATION & LIGNITE MINE
791 kg Hg to air

Other Possibilities

- **Interactive query-based mapping**
- **Mapping/modeling release fate and transport**
- **Mapping other sources**
- **Mapping ambient pollutant concentrations**
- **Mapping population characteristics**
- **Other "context"?**

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