



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Office of Water Management

PA Groundwater Management Approaches to Areas in DRB

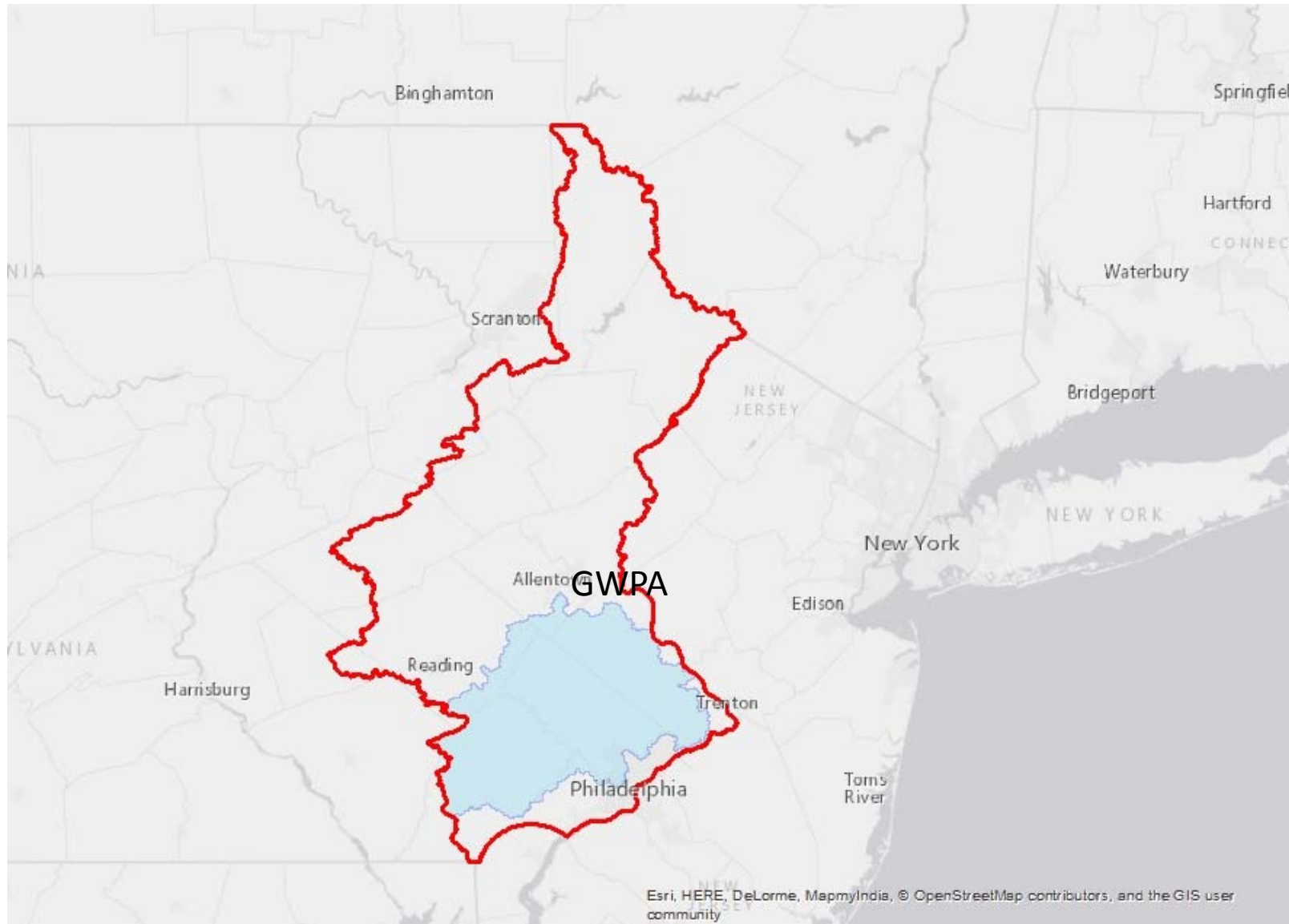
**DRBC Water Management Advisory
Committee**

Groundwater Management Workshop

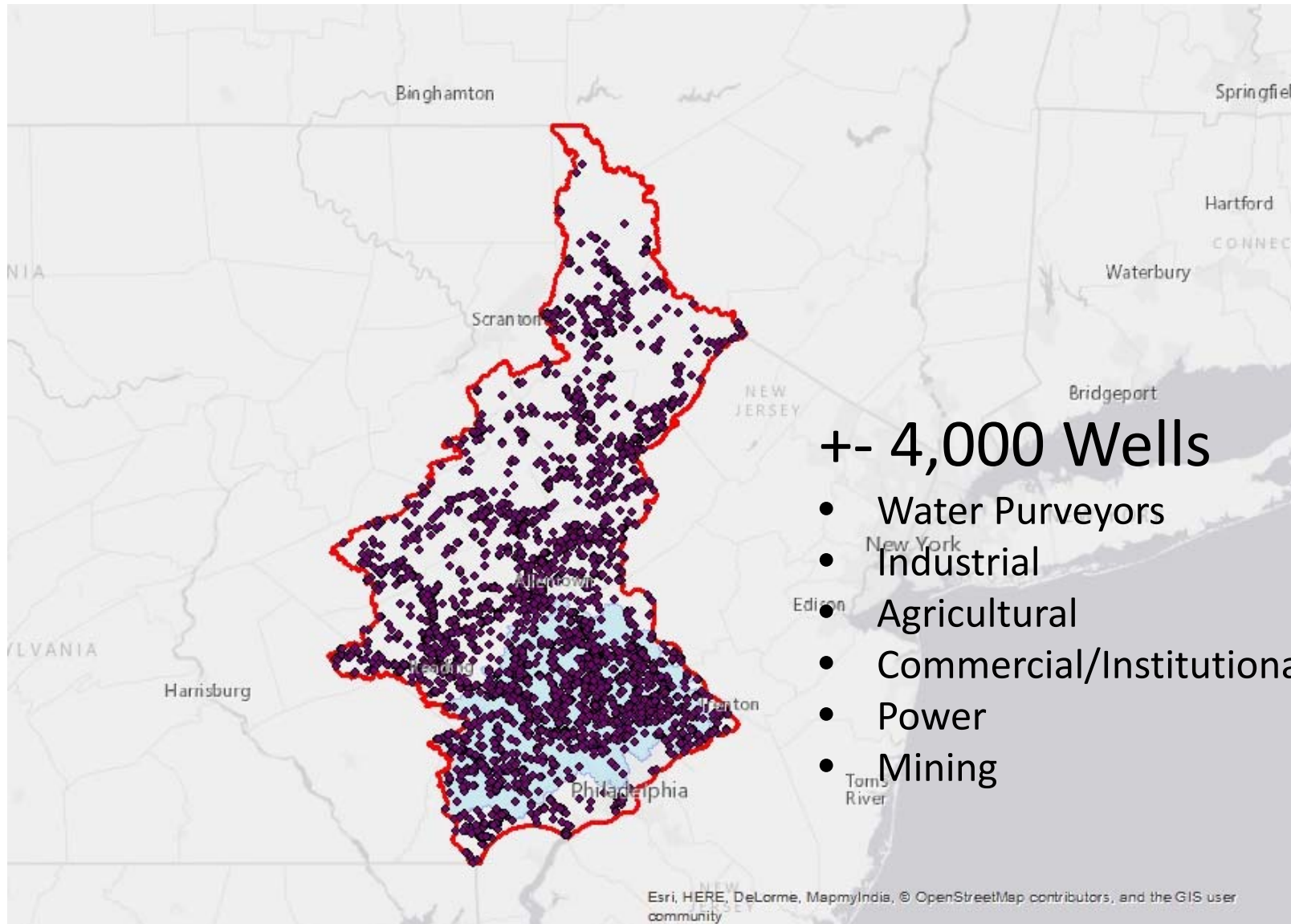
October 22, 2015

David Jostenski, PADEP

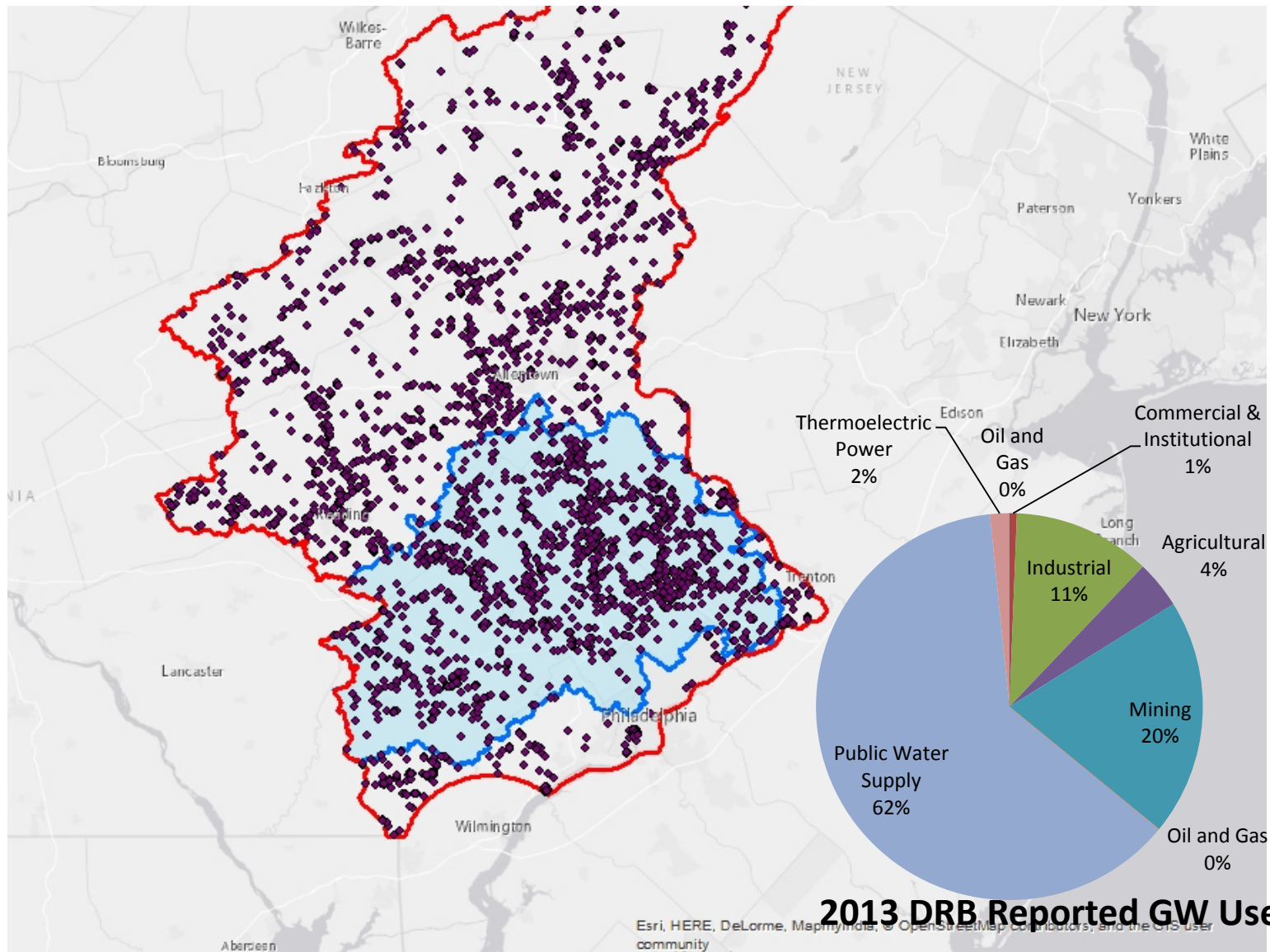
PA DRB and SE PA GWPA



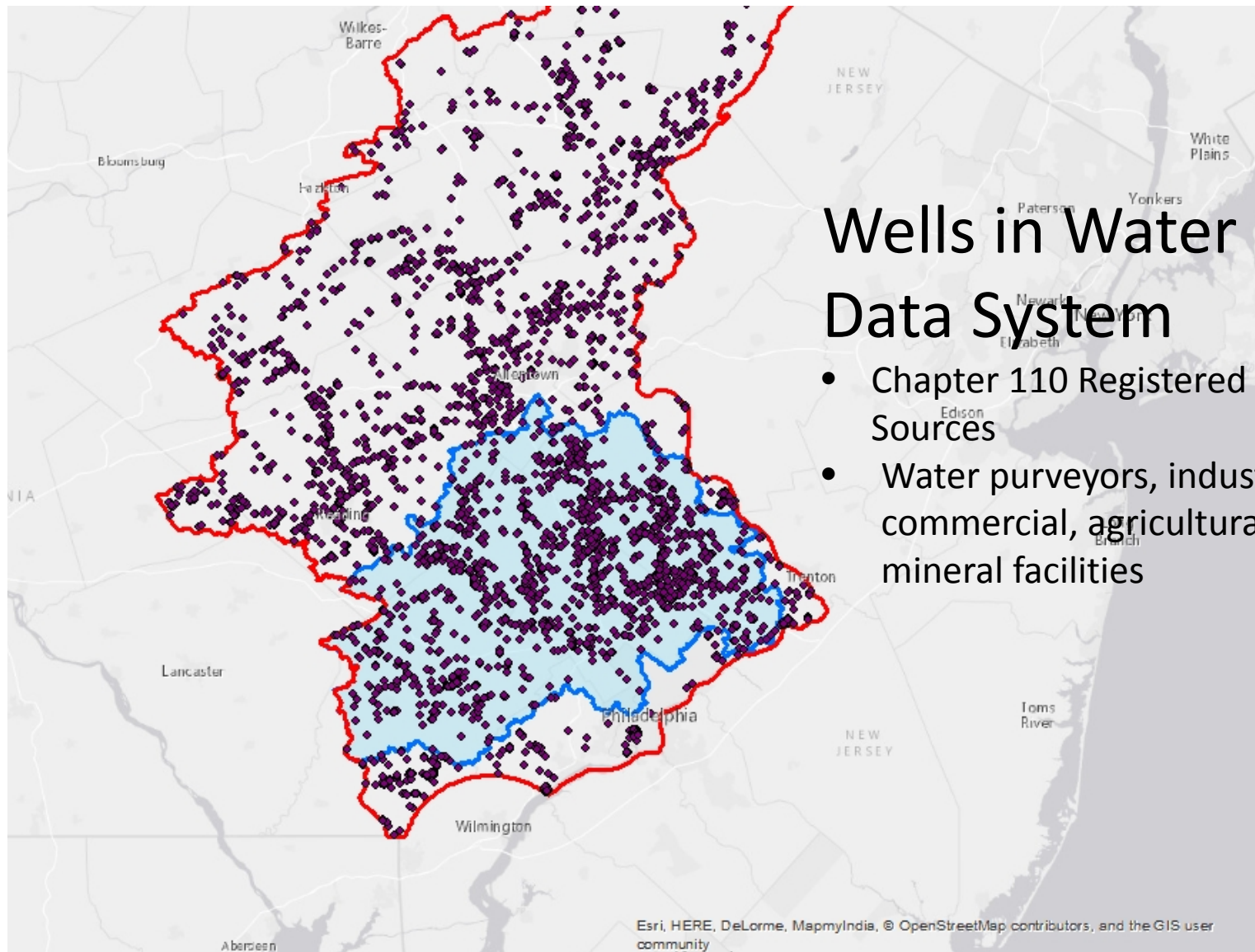
Groundwater Sources



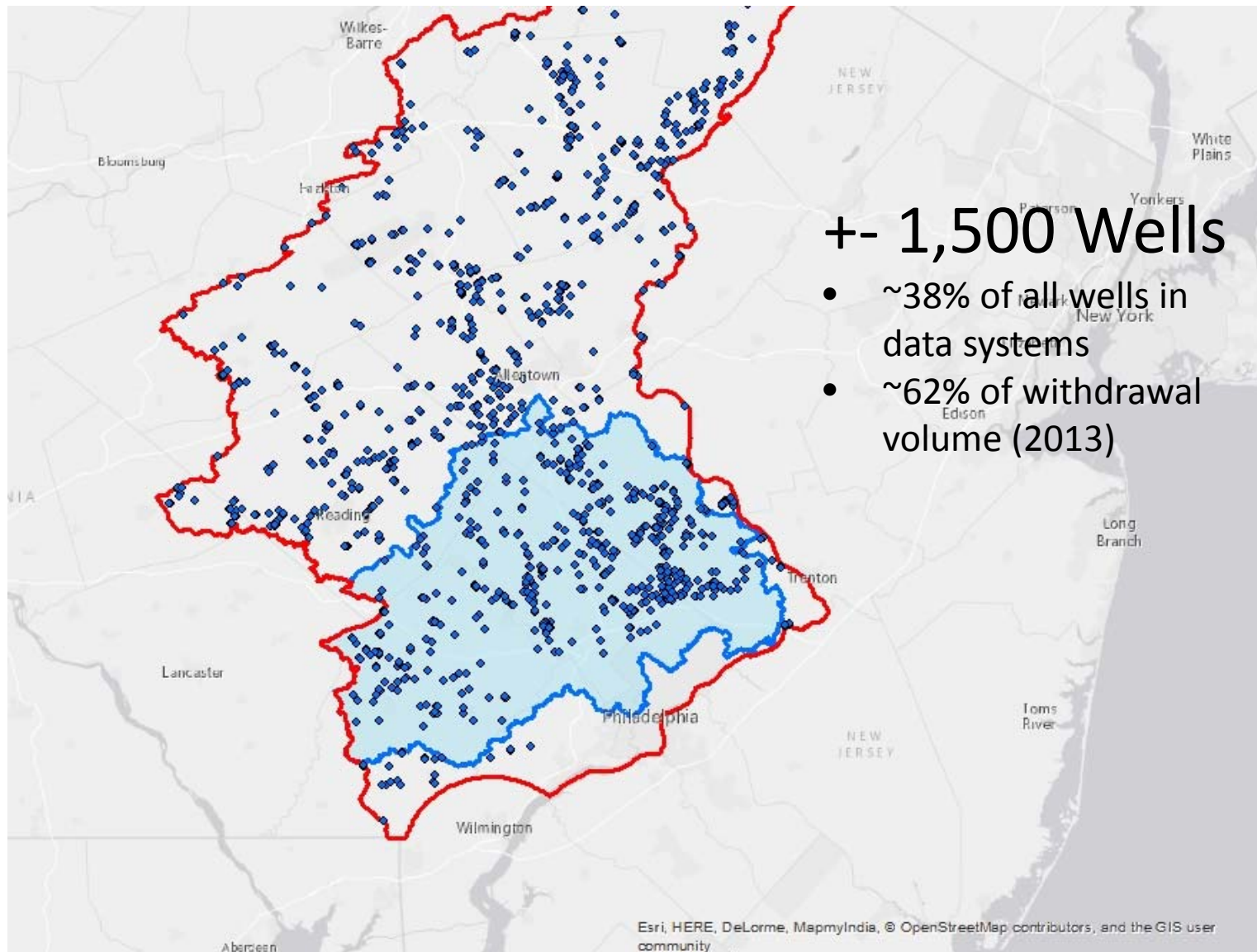
Groundwater Sources



Groundwater Sources



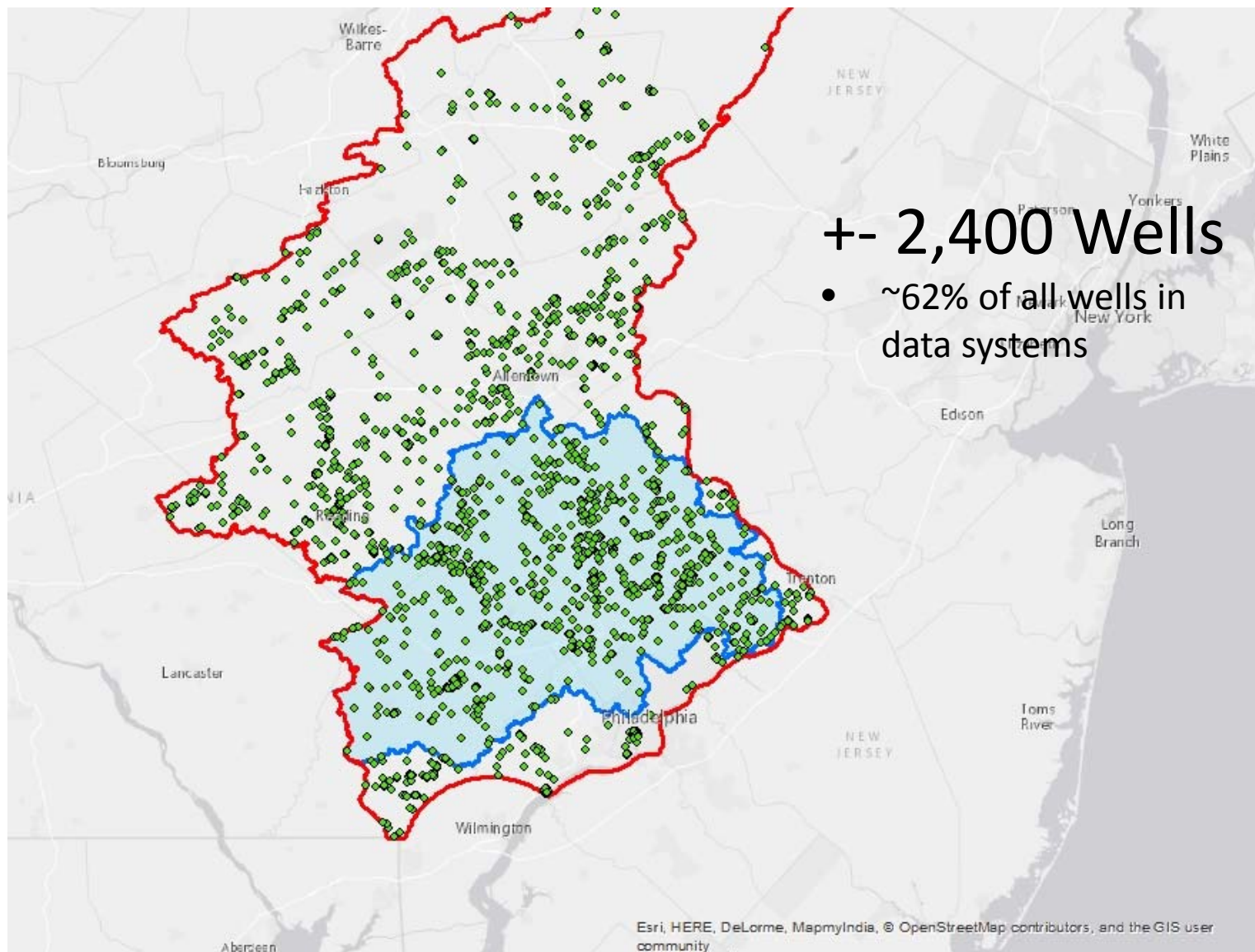
Water Purveyor Wells



+ - 1,500 Wells

- ~38% of all wells in data systems
- ~62% of withdrawal volume (2013)

Non Water Purveyor Wells



Regulatory Authority - wells

- Registration, reporting and record keeping under Chapter 110 Regulations
- All public water supply wells and those \geq 10,000 gpd other sectors
- Approval of water management plans for withdrawals from unconventional gas well operations

Regulatory Authorities - wells

Chapter 109 Safe Drinking Water

Public Water Supply Manual and
Chapter 109 Regulations

- Capacity
- Treatment
- Aquifer Testing
- WQ Monitoring

Drinking Water Source Protection

Source Water Assessment and
Protection Program (SWAP)

- Voluntary Water Protection
Plans

Water Well Drillers Licensing

- Department of Conservation and Natural Resources (DCNR) Program
- Well Drillers are licensed through an Act 610 registration of drillers and their rigs
- Well records submitted to database
- http://dcnr.state.pa.us/topogeo/groundwater/gw_privwells/index.htm

Regulatory Comparisons

PA DEP

- Registration/reporting from wells > 10,000 gpd
- No allocations
- Approvals of Unconventional gas operator water management plans (none so far in DRB)
- Chapter 109 Permitting of public water supply wells - may involve treatment
- No regulation over other sectors
- Voluntary source water protection
- Water well drillers licensing (DCNR)

DRBC

- Registrations and reporting via admin agreements with states
- Approval/allocations for sources > 100,000 gpd outside SEPA GWPA
- Approvals/allocations for wells >10,000 gpd in SEPA GWPA
- Basin withdrawal limits



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