

Source Water Protection Inventory Updates

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Background

- Last July, Newport News Waterworks approached HRPDC about improving the existing Source Water Assessment Program
- The existing Source Water Assessment Program contains erroneous and outdated information
- HRPDC has worked closely with the Newport News Waterworks to update the regional Source Water Assessment Program

Update Process

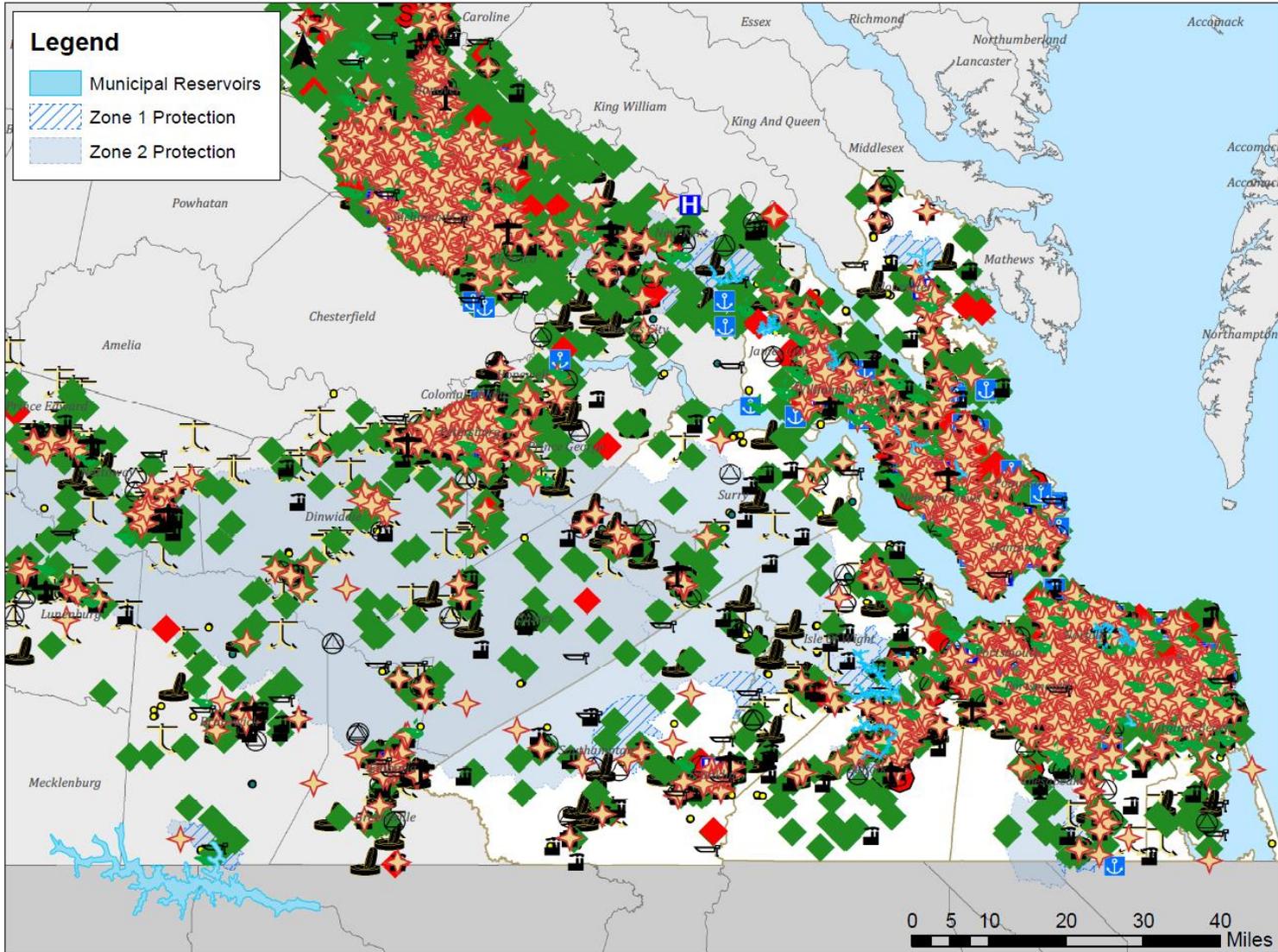


How have we improved the inventory of Potential Sources of Contamination (PSC)?

Improve

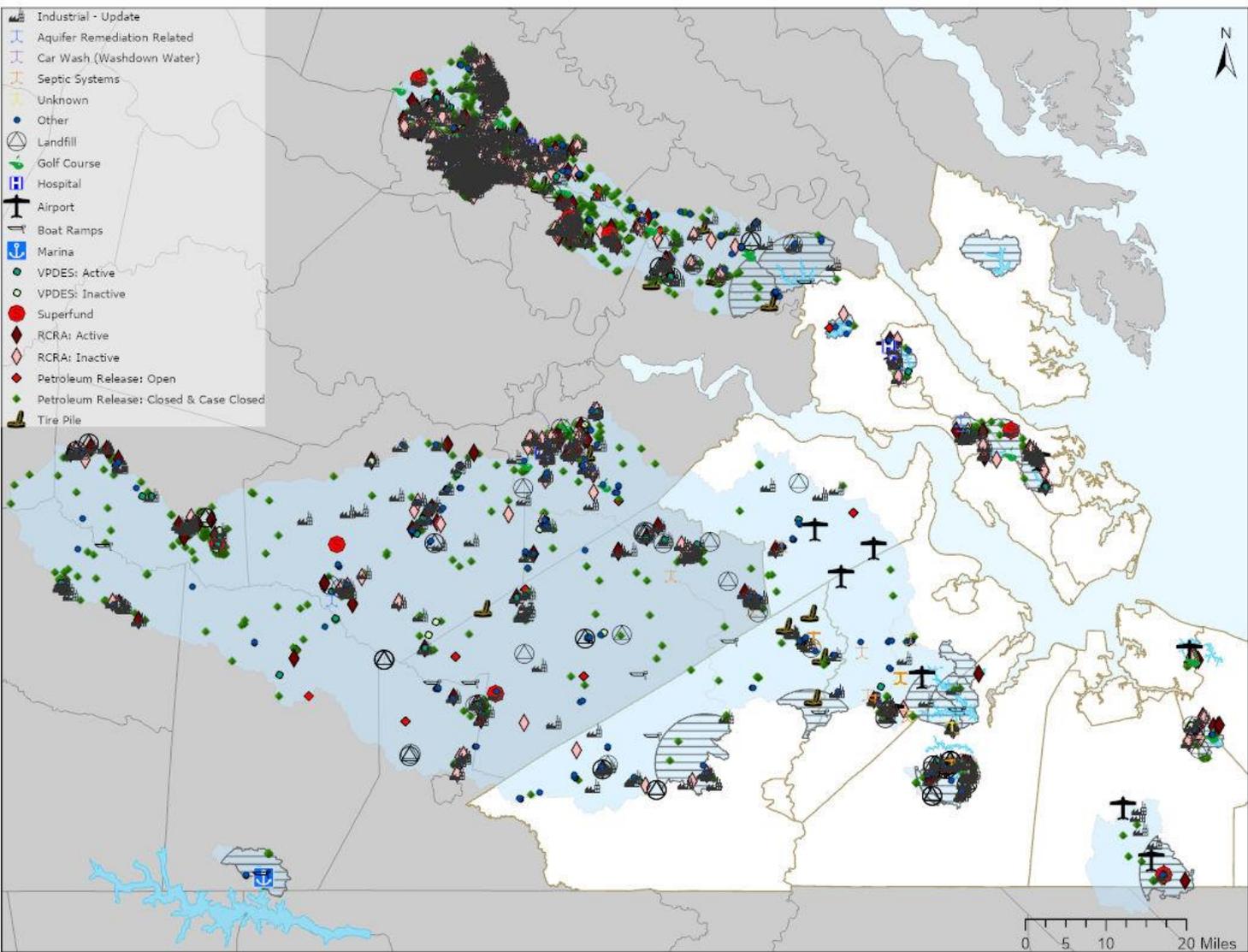
1. Updated the inventory with current data
2. Removed any PSC's that are outside the source water protection zone
3. Removed PSC's that are no longer active
4. Removed PSC's that are not associated with water pollution
5. Added PSC's that could be important

Why do we need to improve the PSC inventory?



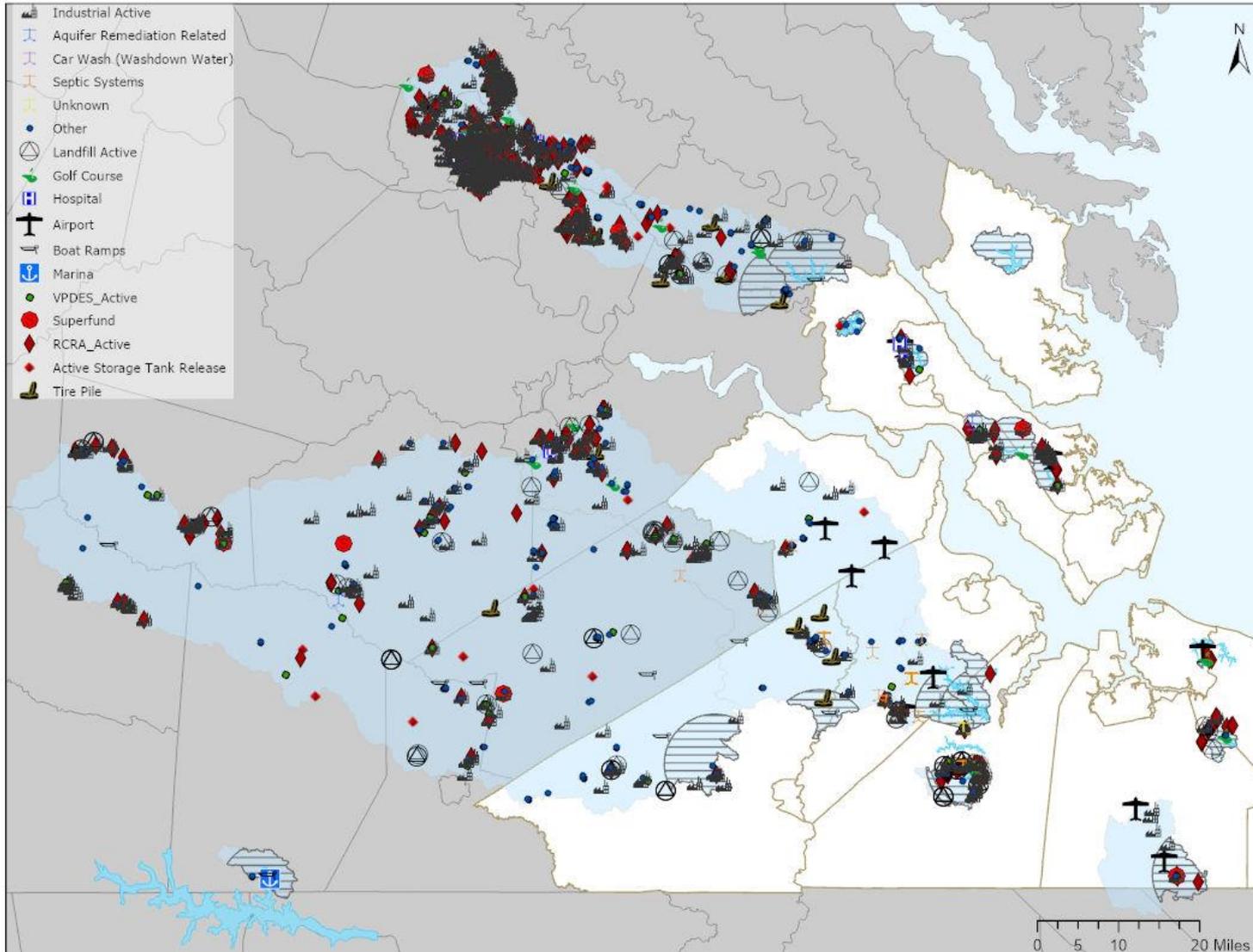
Updated and Removed PSCs outside of Source Water Protection Zones

PSC Count:
8,384



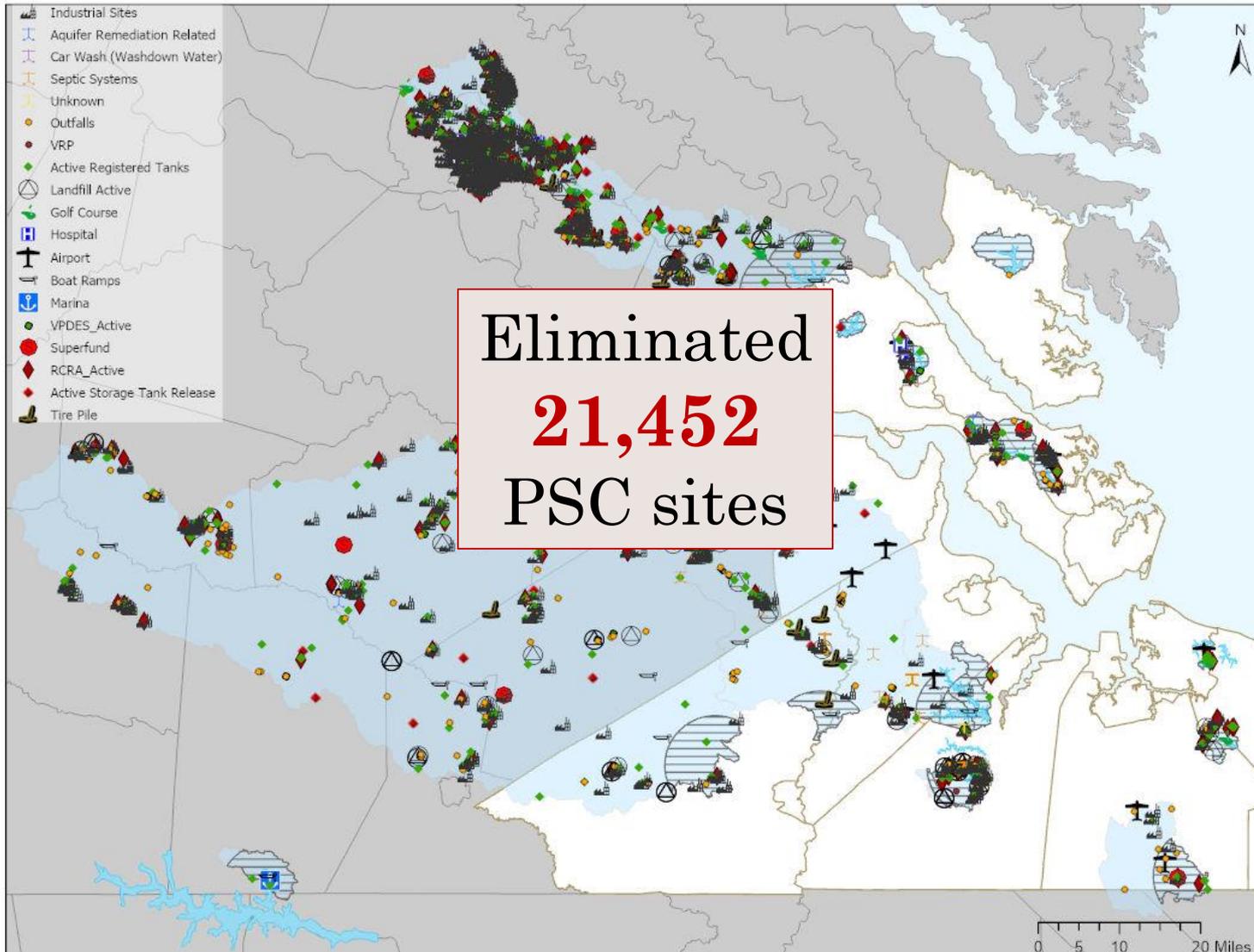
Removed inactive sites

PSC
Count:
2,646



Replaced the Other category with:

- Voluntary Remediation Program Sites
- VPDES Outfall Sites
- Active Registered Petroleum Tanks



Next Steps

- Picking a Methodology for Risk Analysis
 - How can we prioritize the remain 2,769 PSC's in the region?
- Who is involved?
 - DUC's, Waterworks Advisory Committee, DEQ, Mission H2O, VDH?
 - State Adopted Change?
 - Regional Effort?

Action Item:

Would anyone like to contribute to the next steps?

Remove items from Industrial Sites category that are not associated with water pollution

- **CEDS:** Virginia – Comprehensive Environmental Data System
- **ICIS:** Integrated Compliance Information System (Enforcement)
- **TRIS:** Toxics Release Inventory System
- **OSHA-OIS:** Occupational Safety and Health Administration Information System
- **TSCA:** Toxic Substances Control Act
- **BR:** Biennial Reporters
- **SFDW:** Safe Drinking Water Information System
- **NCDB:** National Compliance Database
- **SSTS:** Section Seven Tracking System (Pesticide Producers)
- **FFDOCKET:** Federal Facility Hazardous Waste Compliance Docket
- **RMP:** Risk Management Plan
- **NPDES:** National Pollutant Discharge Elimination System
- **AIRS/AFS:** Air Facility System
- **RCRAINFO:** Resource Conservation and Recovery Act Information System
- **AIR:** ICIS - AIR
- **EIS:** Emission Inventory System
- **E-GGRT:** Electronic Greenhouse Gas Reporting Tool (E-GGRT)
- **CEDRI:** Compliance and Emissions Data Reporting Interface
- **SEMS:** Superfund Enterprise Management System
- **RBLC:** Ract/Bact/Laer Clearinghouse (Air)
- **EGRID:** Emissions and Generation Resource Integrated Database
- **EIA-860:** Energy Information Administration-860 Database
- **LMOP:** Landfill Methane Outreach Program
- **BRAC:** Base Realignment and Closure

Updated PSC Categories

- RCRA
- Superfund
- Virginia Pollutant Discharge Elimination System (VPDES)
- Underground Injection Wells
- Industrial Sites
- Landfills
- Tire Piles
- Storage Tank Releases
- Airports
- Boat Ramps
- Golf Courses
- Hospitals
- Marinas
- Mines (none in the region)
- ~~Other~~
- VRP sites
- VPDES Outfalls
- Registered Petroleum Tanks

PSC's by the number

Layer	Original	Update	Active	Additional
Industrial	1,050	981	931	931
UIC	575	65	65	65
Other	1,759	736	736	-
Landfill	496	104	97	97
Golf Course	92	17	17	17
Hospital	66	17	17	17
Airport	17	11	11	11
Boat Ramps	42	11	11	11
Marina	68	2	2	2
VPDES	289	104	92	92
Superfund	54	11	11	11
RCRA	4,494	975	538	538
Storage Tank Releases	14,968	5,271	78	78
Tire Piles	251	15	15	15
Registered Tanks	-	-	-	479
Outfalls	-	-	-	351
VRP	-	-	-	29
SUBTOTAL	24,221	8,320	2,621	2,744