

Northern Virginia Salt Management Strategy

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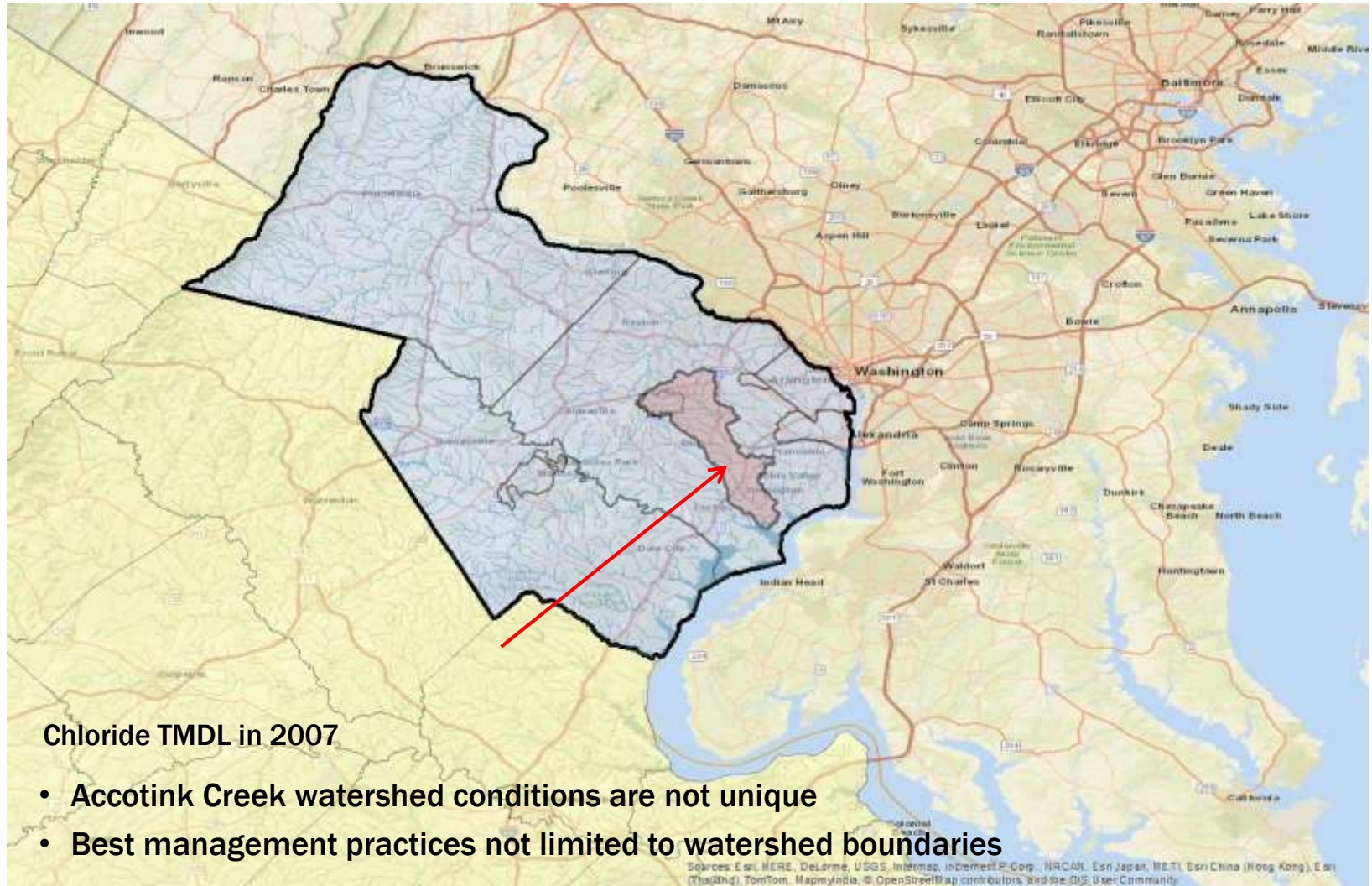
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Metropolitan Washington
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Accotink Creek Watershed, Northern VA



Salt Management Toolkit

Traditional BMPs

- Inventory operational short- and long-term BMPs to reduce salt, framed by their pros and cons
- Summarize salt application rate survey for public operations
- Recommend adaptive salt application rates to fit conditions

Non-traditional Practices

- Review alternative deicing compounds
- Summarize national operator certification and training programs
- Winter maintenance contract templates: Take aways: Fixed price may incentivize lower salt use (vs. time and materials). Accountability (basic tracking requirements)

Education & Outreach

- Will issue a survey this fall to establish a baseline of public awareness of salt use benefits and impacts.
- Draft education materials to pilot in a Fairfax Co. neighborhood



Monitoring

Recommendations

- Identify existing water quality data and gaps, existing monitoring programs and costs
- Assess long-term trends in water quality data to better understand the origin, fate and transport of deicing salts over the long-term.
- Measure the impact of salt use Best Management Practices (BMPs) on water quality, via a pilot area

Salt Tracking & Reporting

Develop example reporting forms w/ varied levels of detail/precision.

**Further coordination and funding are needed.

