

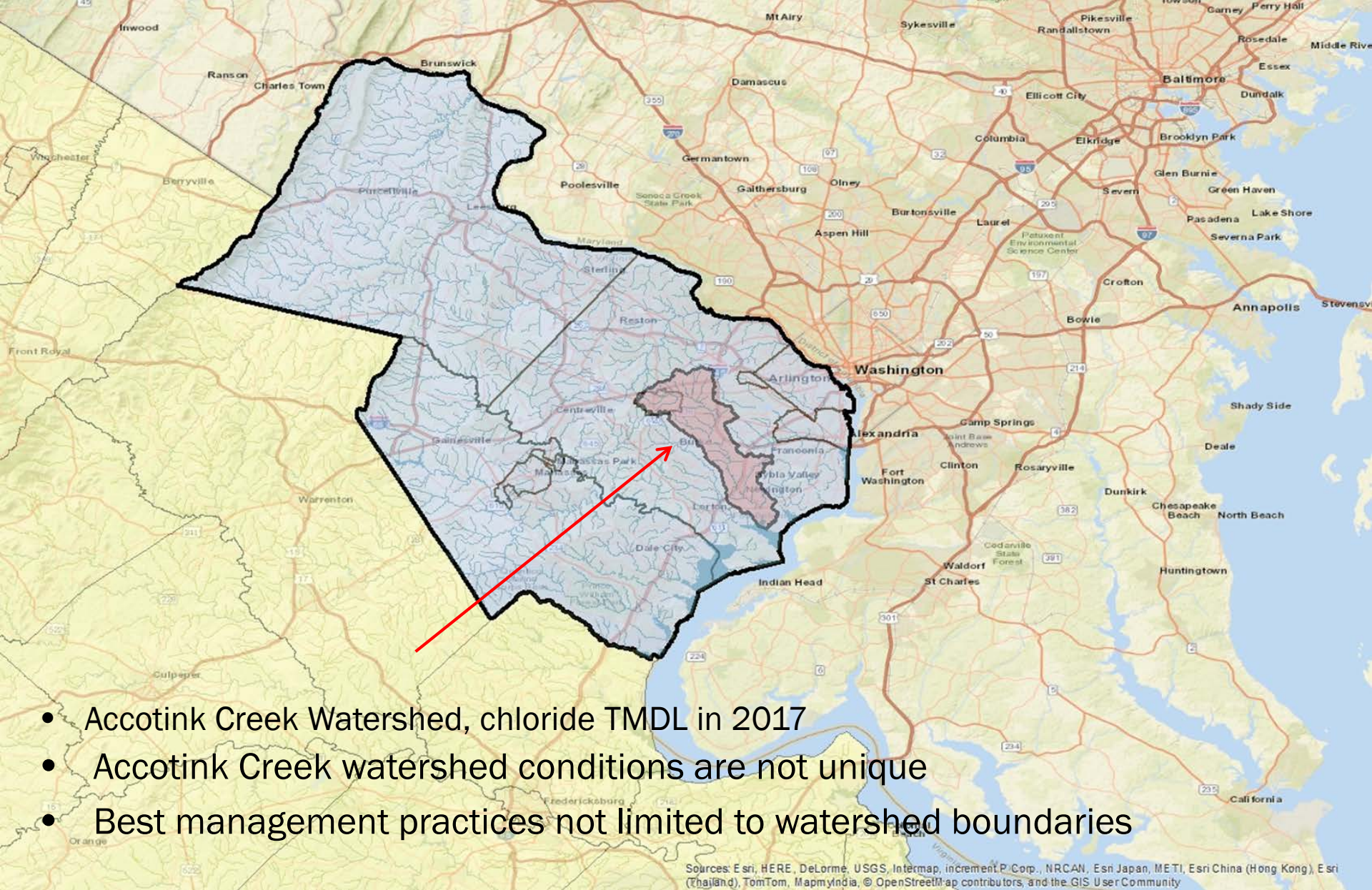
WINTER SALT MANAGEMENT EFFORTS

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Water Resources Technical Committee
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Metropolitan Washington
Council of Governments



- Accotink Creek Watershed, chloride TMDL in 2017
- Accotink Creek watershed conditions are not unique
- Best management practices not limited to watershed boundaries

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

VA Salt Management Strategy

SaMS Goal: Develop a Toolkit for Salt Management

- Traditional BMPs
- Non-traditional BMPs
- Monitoring
- Salt Tracking and Reporting
- Education & outreach



Salt Management Strategy Survey Overview

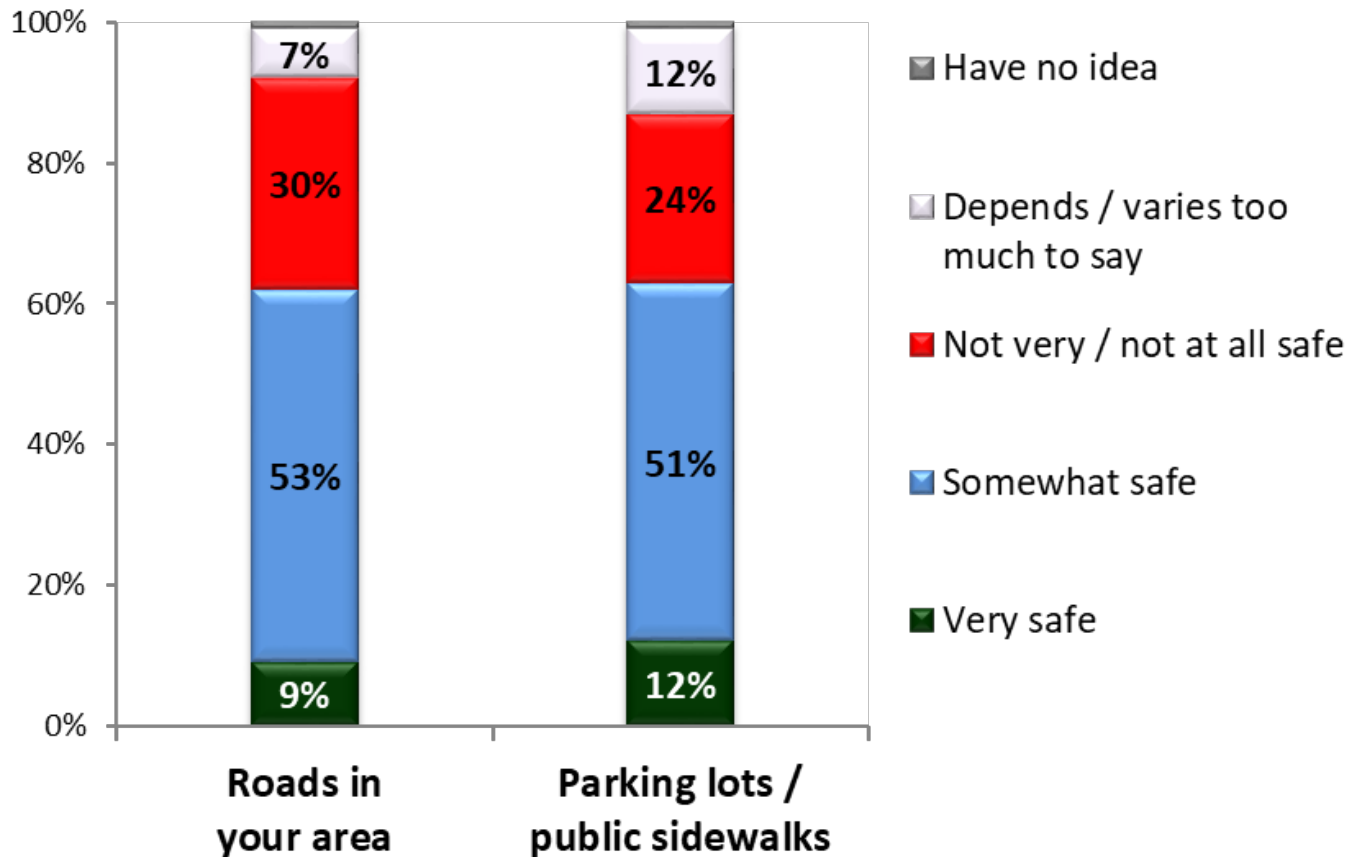
- Survey is piece of a SaMS toolkit, to be developed by Dec. 2020.
- Purpose: Establish baseline of salt beliefs, behaviors, and openness to change, to assist with Education & Outreach
- Survey funded by SaMS subgroup of local jurisdictions and water utilities.
- Amplitude Research developed survey, administered and compiled results.
- Survey issued to a panel of 500 online recipients in December 2019.

Which of the following best describes where you live?

	Frequency	Percent
Alexandria	57	11.4%
Arlington County	56	11.2%
Town of Clifton	2	0.4%
Town of Dumfries	7	1.4%
Fairfax (city of)	9	1.8%
Fairfax (county of)	186	37.2%
Falls Church	17	3.4%
Town of Haymarket	1	0.2%
Herndon	12	2.4%
Town of Leesburg	9	1.8%
Loudoun County	57	11.4%
Town of Lovettsville	3	0.6%
City of Manassas	8	1.6%
City of Manassas Park	1	0.2%
Prince William County	70	14.0%
Town of Round Hill	1	0.2%
Vienna	4	0.8%
Total	500	100.0%

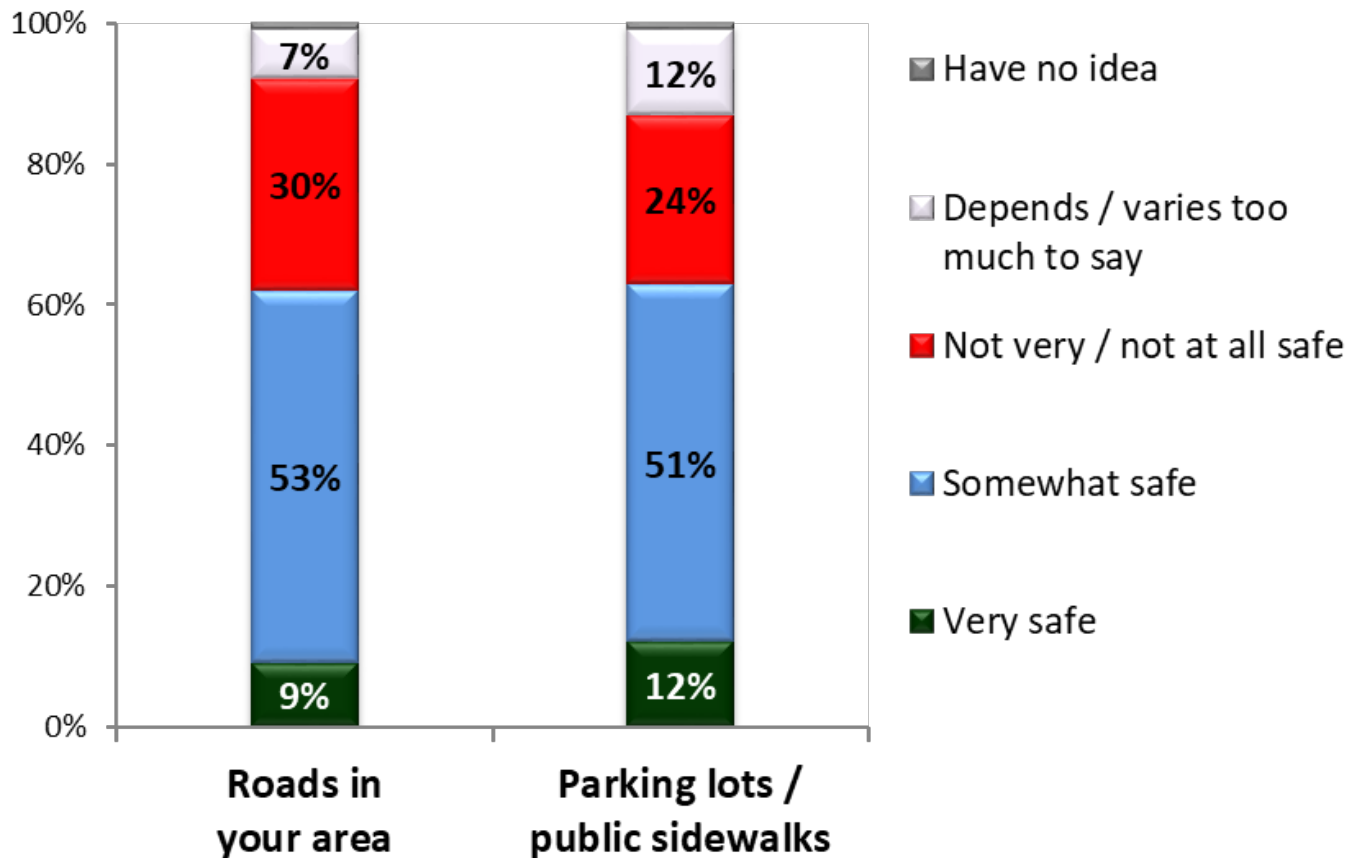
Survey Findings-Safety

During winter weather, how would you rate the safety of ...



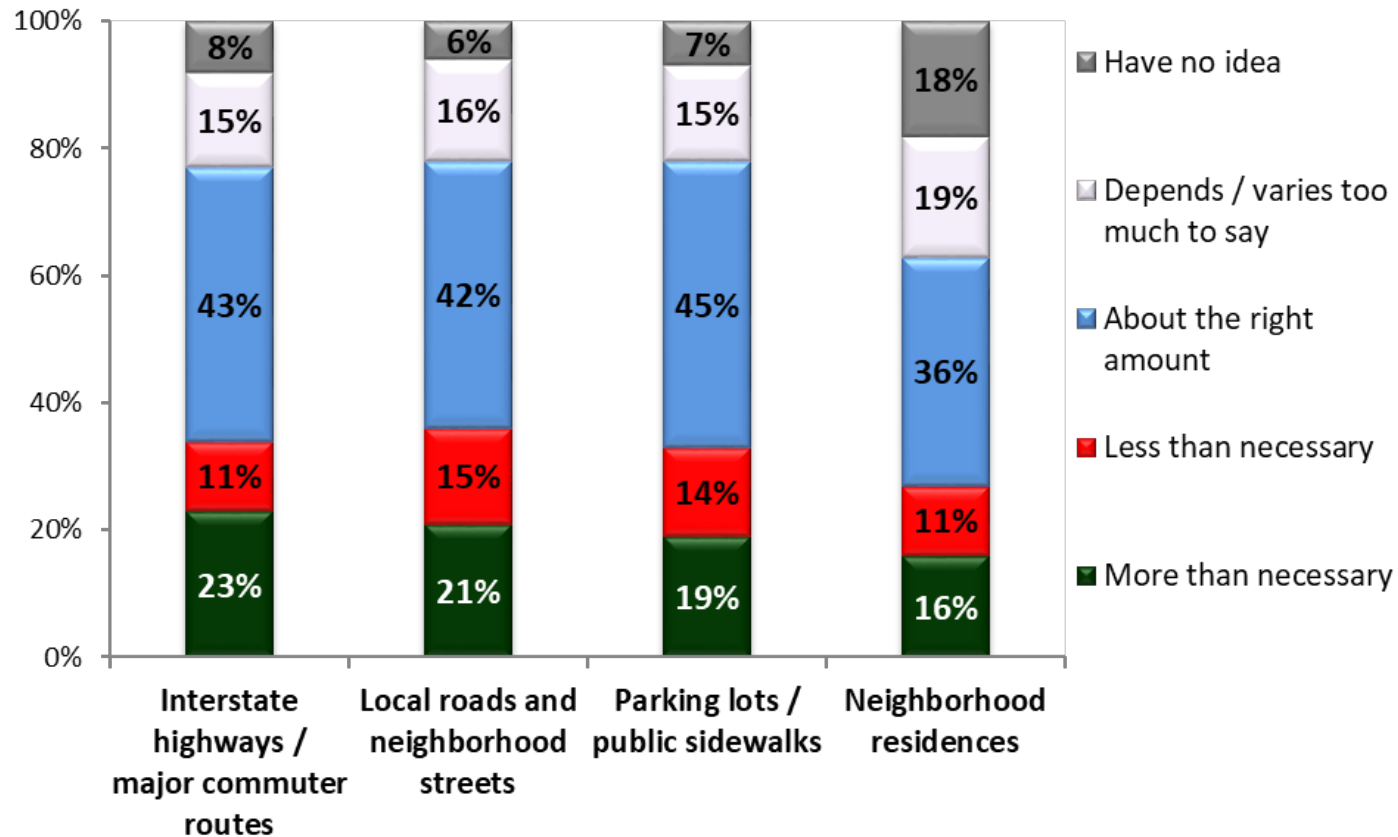
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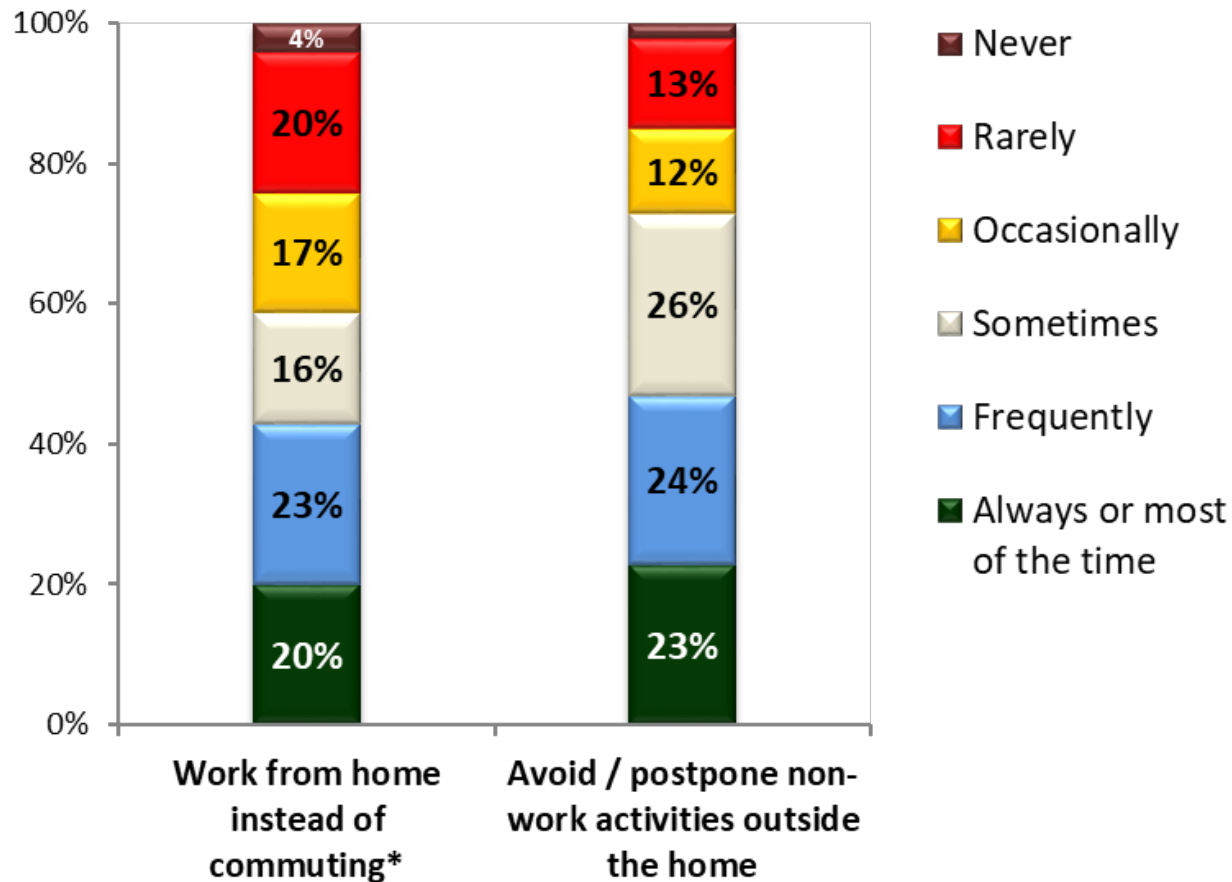
Survey Findings-Safety

Over the course of the winter, what are your thoughts about the amount of salt applied to ...



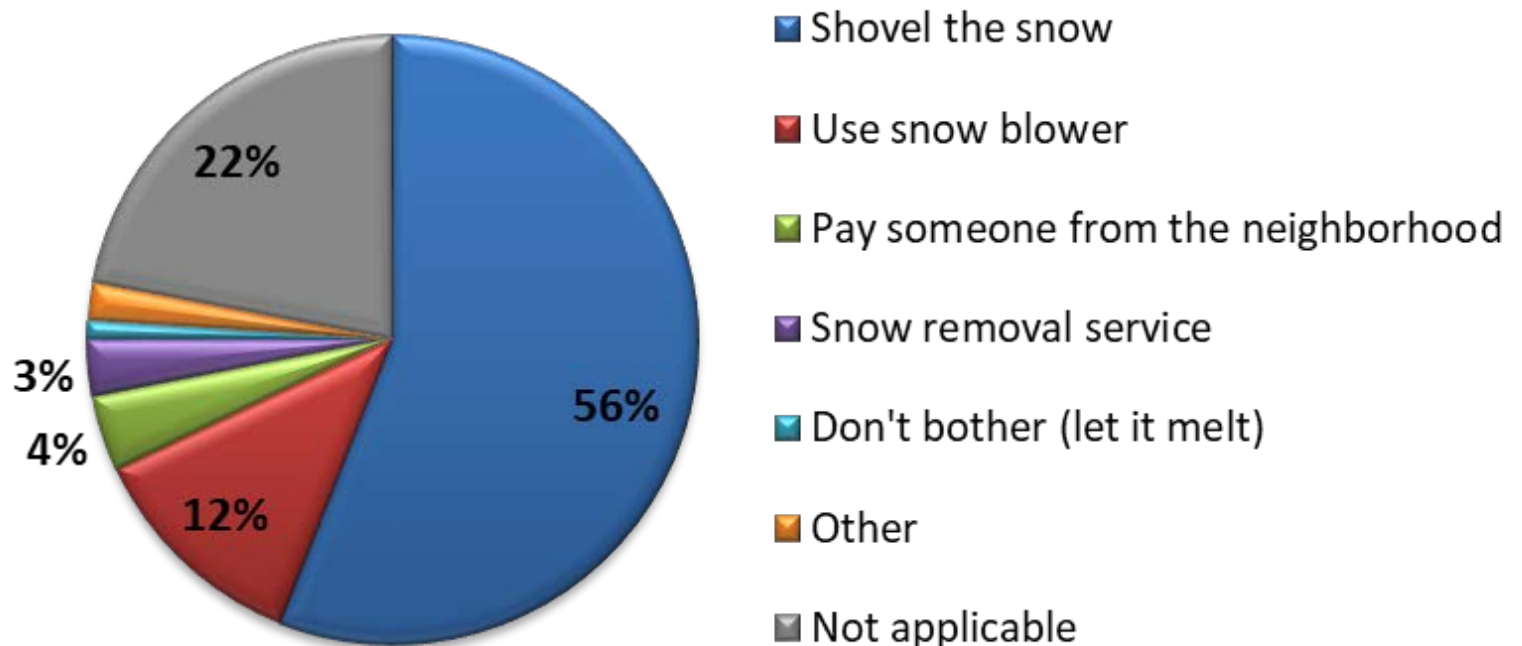
Survey Findings-Behaviors

During and shortly after a winter storm event, how often do you ...



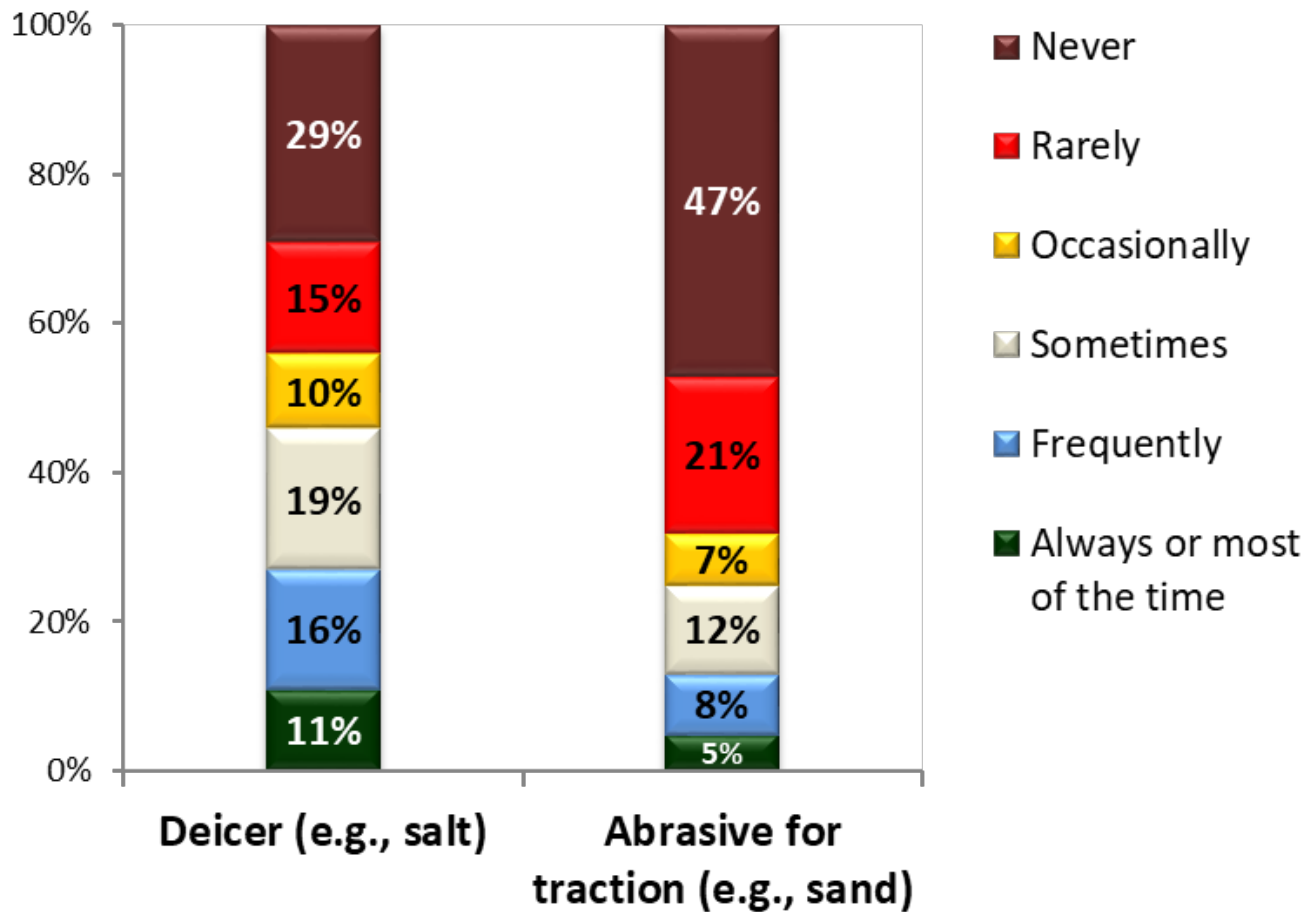
Survey Findings-Behaviors

Which of the following are you (or a family member) most likely to do when snow accumulates at your residence?



Survey Findings-Behaviors

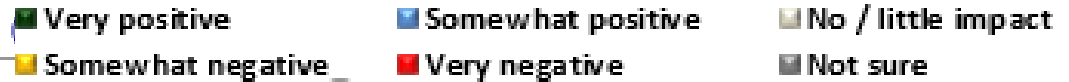
During snowy and icy conditions, how often do you apply ...



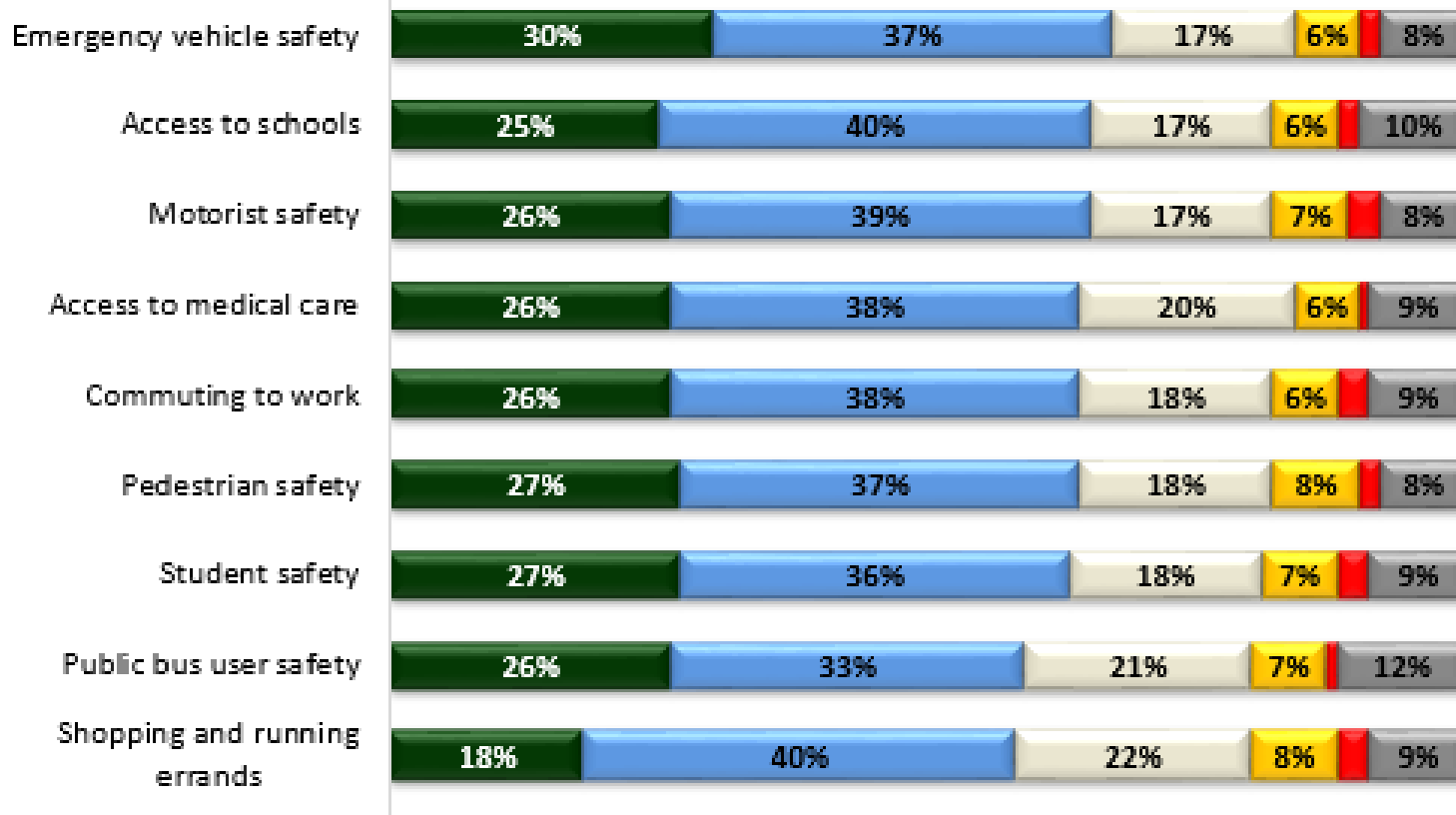
Survey Findings-Perceptions



Perceived Salt Impact

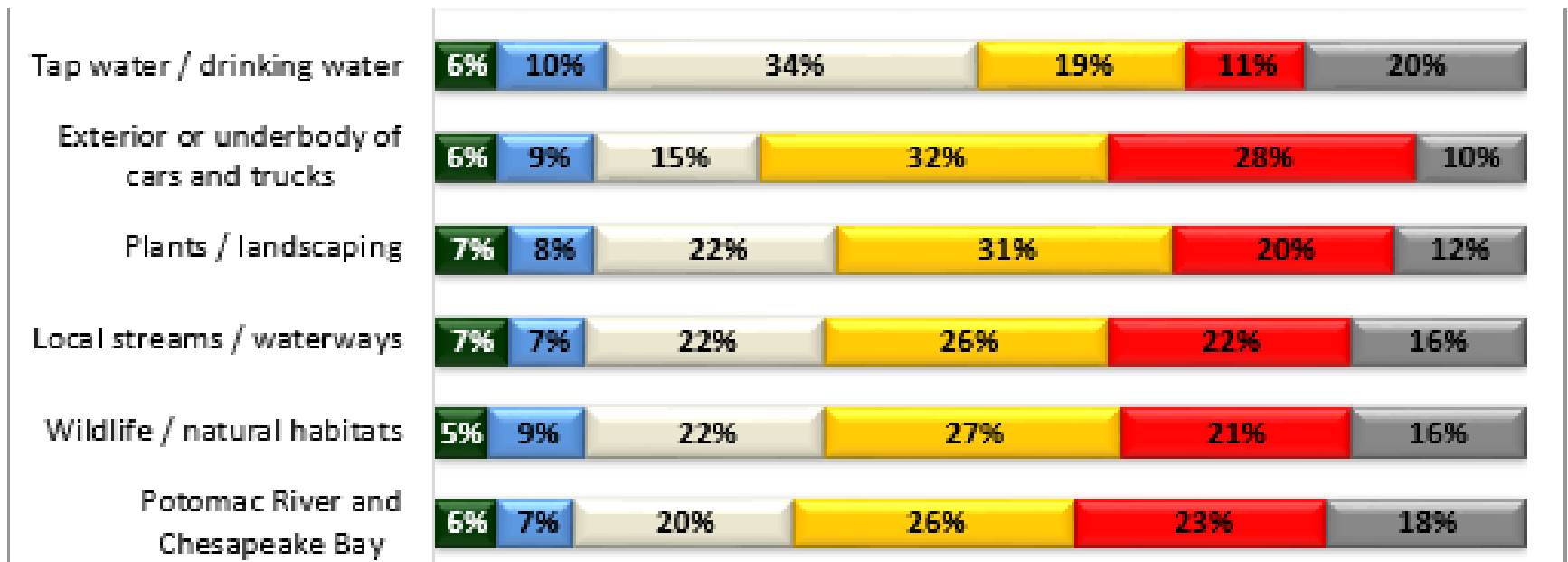


How would you rate the impact from using salt on the following?



Survey Findings-Perceptions

Perceived Salt Impact



Survey Findings-Openness to Change

For the sake of **tap water** or the **environment**,

- 46% would support reducing the amount of salt used on roads, in shopping centers, at places of work, and at other public places.
- 55% are open to reducing amount of salt at home.
- 35% would be willing to reduce vehicle travel if road salting were curbed.



Preliminary Conclusions

- 24% rarely or never telecommute during winter weather (i.e., 76% can?).
- There is a gap in knowledge about negative salt impacts, especially to tap water.
- There is an openness to changing behaviors.

For more on SaMS:

<https://www.deq.virginia.gov/sams.aspx>



Montgomery Co. Salt Wise” Initiative

- Montgomery County and WSSC Water have partnered on a “Salt Wise” homeowner outreach program.
- Information for avoiding over salting of driveways and sidewalks.
- A 12 oz. coffee mug covers a 20 ft. driveway or 10 sidewalk squares.
- MontgomeryCountyMD.gov/salt



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